RECEIVED

JUN 18 2014

PUBLIC SERVICE COMMISSION

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

AN INVESTIGATION OF EXISTING AND FUTURE SERVICE OF BULLITT UTILITIES, INC.	))	CASE NO 2014-00163

ANSWERS OF BULLITT UTILITIES, INC., TO INFORMATION REQUESTS OF THE PUBLIC SERVICE COMMISION

Comes Bullitt Utilities, Inc. ("Bullitt Utilities"), and for its Answers to the Information Requests of the Public Service Commission, states as follows:

Information Request No. 1.

a. Provide a copy of each Notice of Violation ("NOV") that Bullitt Utilities has received from the Kentucky Division of Water ("DOW") since January 1, 2008.

Answer: See Tab 1.

b. For each NOV provided in response to Item 1(a), state the final action taken by the DOW on the NOV and all corrective action that Bullitt Utilities performed in response to the NOV.

Answer: See Tab 1.

Information Request No. 2.

Pursuant to 807 KAR 5:071, Section 6(3), Bullitt Utilities is required to maintain a record of all system interruptions. Provide a copy of this record log showing all system interruptions since January 1, 2008.

Answer: Bullitt Utilities has not had a system interruption precluding its customers from using its sewer service until the wastewater treatment plant failed on or about March 29, 2014. Bypasses and/or overflows have occurred in the Bullitt Utilities' system, and a copy of the Bypass/Overflow Notifications filed with the Division of Water are included in Tab 2.

Information Request No. 3.

a. Provide a copy of the procedures that Bullitt Utilities follows to inspect its sewage collection and treatment facilities.

Answer: See Tab 3.

b. Provide supporting documentation of the procedures provided in response to Item 3.a. above that shows the results of those inspections, including, but not limited to, the date of inspection, items inspected, findings, and any corrective actions identified.

Answer: See Tab 4.

Information Request No. 4.

State the name and address of each person or entity with whom Bullitt Utilities has contracted since January 1, 2008, to provide routine maintenance and operation services for its sewage collection and treatment facilities and the type of service provided. For each vendor identified, provide all written contracts regarding such services between Bullitt Utilities and the vendor.

Answer: Covered Bridge Utilities, Inc., P. O. Box 91588, Louisville, Kentucky 40291, has provided routine maintenance and operation services for the Hunters Hollow WWTP and collection system since January 1, 2008. See Tab 5.

Information Request No. 5.

Describe the role of Bullitt Utilities' management in the routine maintenance and operation of Bullitt Utilities' facilities.

Answer: The role of Bullitt Utilities' management in the routine maintenance and operation of Bullitt Utilities's facilities, which consists of the Hunters Hollow WWTP and collection system, is to employ a qualified and professional company to maintain and operate the facilities. In this case, Bullitt Utilities engaged Covered Bridge Utilities, Inc., a firm with many years of

experience in the maintenance and operation of wastewater treatment plants and collection systems. The role of Bullitt Utilities' management also includes oversight and direction to the operator relative to capital investments into maintenance, repairs, upgrades, and improvement to the collection system and the WWTP as well as financial, bookkeeping and accounting services.

Information Request No. 6.

State the current status of Bullitt Utilities' Kentucky Pollutant Discharge Elimination System ("KPDES") permit.

Answer: Bullitt Utilities is operating administratively under the KPDES permit that was issued to it on October 24, 2008, and which expired on November 30, 2013. In accordance with 401 KAR 5:060, Section 1(5)(c), the conditions of an expired permit shall continue in force until the effective date of a new permit if a complete and timely application has been submitted. Bullitt Utilities timely filed its application to renew this permit and this application has not yet been acted upon by the Division of Water.

Information Request No. 7.

Provide all correspondence within the past 24 months between Bullitt Utilities and DOW regarding Bullitt Utilities' KPDES permit.

Answer: See Tab 6.

Information Request No. 8.

Describe the manner in which Bullitt Utilities currently intends to provide permanent wastewater service to the customers in the Hunters Hollow Subdivision and include a description of all wastewater collection and treatment facilities within a five-mile radius of Hunters Hollow Subdivision.

Answer: Bullitt Utilities is currently investigating the following options to provide permanent

wastewater treatment service to the customers of the Hunters Hollow WWTP.

1) Construct and operate a new WWTP at the site of the former Hunters Hollow WWTP. Quotes of the cost to construct a new WWTP at this site have been requested and will be analyzed upon receipt. It is anticipated that an application for a certificate of convenience and necessity to construct a new WWTP at this location will be filed with the Public Service Commission upon the receipt of the requested quotes; 2) Construct a new WWTP at the site of the former Hunters Hollow WWTP, or at another conveniently located site, and convey it to the Bullitt County Sanitation District ("BCSD") for its operation of the WWTP. Bullitt Utilities and BCSD have had several discussions concerning this option, and these discussions are ongoing; and 3) Deliver the flow from the Hunters Hollow collection system through a connection to the Louisville and Jefferson County Metropolitan Sewer District for treatment by MSD. Discussions with MSD concerning this option are ongoing. Under this option, Bullitt Utilities may own and operate the collection system and any necessary pump stations.

The BCSD, MSD and the City of Hillview operate wastewater treatment plants and/or collection systems within a five mile radius of the Hunters Hollow Subdivision. MSD has an interceptor line within a five mile radius of the Hunters Hollow Subdivision.

Certification: The Responses of Bullitt Utilities set forth above are true and accurate to the best of my knowledge, information and belief.

_____

Chris Cogan

STATE OF _____

COUNTY OF _____

Subscribed and sworn to before me by Chris Cogan, this _____ day of June, 2014.

My commission expires:_____

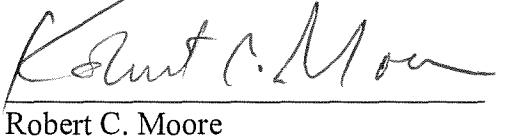
_____
Notary Public

Respectfully submitted,

Robert C. Moore
HAZELRIGG & COX, LLP
415 West Main Street, 1st Floor
P. O. Box 676
Frankfort, Kentucky 40602-0676
(502) 227-2271

CERTIFICATE OF SERVICE

I hereby certify that a true and correct copy of the foregoing was served by hand delivery on Jeff Derouen, Executive Director, Public Service Commission, 211 Sower Blvd., P.O. Box 615, Frankfort, Kentucky 40602 and David Edward Spenard and Jennifer Black Hans, Assistant Attorney General, 1024 Capital Center Drive, Suite 200, Frankfort, Kentucky 40601-8204, on this the 18th day of June, 2014.



Robert C. Moore

STEVEN L. BESHEAR
GOVERNOR

LEONARD K. PETERS
SECRETARY

ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION

Division of Water
9116 Leesgate Rd
Louisville, KY 40222-5084
www.kentucky.gov

April 23, 2009

Certified No. 7006 0810 0004 0137 3262
Return Receipt Requested

Mr. Martin G. Cogan
1706 Bardstown Rd
Louisville, KY 40205

Re: Notice of Violation
AI ID: 448
AI Name: Hunters Hollow Subd
Activity ID: ENV20090001
Permit No. KY0038610
Bullitt County, KY

Dear Mr. Martin G. Cogan:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Your cooperation and attention to this matter is appreciated. If you have any questions, please contact me at 502-429-7122

Sincerely,

Brad Trivette

Mr. Brad Trivette,
Environmental Inspector III
Division of Water

BT
Enclosure

COMMONWEALTH OF KENTUCKY
ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
Division of Water

NOTICE OF VIOLATION

To: Mr. Martin G. Cogan
1706 Bardstown Rd
Louisville, KY 40205

AI Name: Hunters Hollow Subd **AI ID:** 448 **Activity ID:** ENV20090001
County: Bullitt
Enforcement Case ID:
Date(s) Violation(s) Observed: 04/16/2009

This is to advise that you are in violation of the provisions cited below:

1 **Violation Description for Subject Item AIOO0000000448():**
Whenever, by reason of emergency or accident, a spill or discharge occurs which results in pollution of the waters of the Commonwealth, the Division of Water shall be notified by the most rapid means available. [401 KAR 5:015 Section 2]

Description of Non Compliance:
The stream was very grey and there was a strong smell of sewage. The stream vegetation was matted with sewage solids. The plant log book has several recent entries about belts being broken on the one and only aerator. The broken belts were replaced on the 15th. The lack of air is what caused the dark effluent to be discharged into the stream The air was on at the time of my investigation. The mixed liquor was still dark and the clarifier was very cloudy. The plants effluent was cloudy. The upstream conditions were very clear. This was not reported to the DOW.

The remedial measure(s), and date(s) to be completed by are as follows:
Report all spills and bypasses that result in pollution of the waters of the Commonwealth by the most rapid means available. Within 30 days of the receipt of this notice, the permittee/responsible party shall submit a plan of action and a schedule of implementation to the undersigned describing the necessary measures taken to address the non-compliance. Failure to comply with the remedial measures or repeated violations of this requirement may subject you and or your company to an immediate referral to the Division of Enforcement. [401 KAR 5:015 Section 2]

2 **Violation Description for Subject Item AIOO0000000448():**
Proper Operation and Maintenance. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control and related appurtenances which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls, and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit [401 KAR 5:065 Section 1(5)]

Description of Non Compliance:
Plant is operating on one aerator. The other aerator is in shop for repairs. Belts have been breaking on the one aerator. One log book entry indicates that replacement belts had to be obtained the following day. The plant would have been without air during that time.

The remedial measure(s), and date(s) to be completed by are as follows:
Always use proper operation and maintenance practices that will allow for compliance with the KPDES permit and prevent degradation to the Waters of the Commonwealth. Within 30 days of the receipt of this notice, the permittee/responsible party shall submit a plan of action and a schedule of implementation to the

undersigned describing the necessary measures taken to address the non-compliance. Failure to comply with the remedial measures or repeated violations of this requirement may subject you and or your company to an immediate referral to the Division of Enforcement. [401 KAR 5:065 Section 1(5)]

3 Violation Description for Subject Item AIOO00000000448():
There shall be no discharge that causes the surface waters of the Commonwealth to be aesthetically or otherwise degraded by substances that: (a) settle to form objectionable deposits; (b) float as debris, scum, oil, or other matter to form a nuisance; (c) produce objectionable color, odor, taste, turbidity, (d) injure, are chronically or acutely toxic to or produce adverse physiological or behavioral responses in humans, animals, fish and other aquatic life. [401 KAR 10:031 Section 2]

Description of Non Compliance:
The stream below the effluent discharge is very grey. The stream vegetation was matted with sewage solids.

The remedial measure(s), and date(s) to be completed by are as follows:
Cease all activity, which is contributing or has contributed to the pollution of the waters of the Commonwealth. Within 30 days of the receipt of this notice, the permittee/responsible party shall submit a plan of action and a schedule of implementation to the undersigned describing the necessary measures taken to address the non-compliance. Failure to comply with the remedial measures or repeated violations of this requirement may subject you and or your company to an immediate referral to the Division of Enforcement. [401 KAR 10:031 Section 2]

4 Violation Description for Subject Item AIOO00000000448():
No person shall, directly or indirectly, throw, drain, run or otherwise discharge into any of the waters of the Commonwealth, or cause, permit or suffer to be thrown, drained, run or otherwise discharged into such waters any pollutant, or any substance that shall cause or contribute to the pollution of the waters of the Commonwealth in contravention of the standards adopted by the cabinet or in contravention of any of the rules, regulations, permits, or orders of the cabinet or in contravention of any of the provisions of this chapter. [KRS 224.70-110]

Description of Non Compliance:
Pollutants have entered the waters of the Commonwealth, which violated standards & regulations of the Commonwealth. The stream below the effluent discharge is very grey. The stream vegetation was matted with sewage solids.

The remedial measure(s), and date(s) to be completed by are as follows:
Cease all activity, which is contributing or has contributed to the pollution of the waters of the Commonwealth. Within 30 days of the receipt of this notice, the permittee/responsible party shall submit a plan of action and a schedule of implementation to the undersigned describing the necessary measures taken to address the non-compliance. Failure to comply with the remedial measures or repeated violations of this requirement may subject you and or your company to an immediate referral to the Division of Enforcement. [KRS 224.70-110]

Violations of the above cited statute(s) and/or regulation(s) are subject to a civil penalty per day per violation. Violations carry civil penalties of up to $25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

If you have questions or need further information, write or call the undersigned:

Division of Water
Louisville Regional Office
9116 Leesgate Rd
Louisville, KY 40222-5084
502-429-7122 (8:00 AM – 4:30 PM)
Mr. Brad Trivette, Environmental Inspector III

Brad Trivette

Issued By: _____
Mr Brad Trivette, Environmental Inspector III
Date: April 23, 2009

Charles A. Roth

Issued By: _____
Mr Charlie Roth, Environmental Control Supervisor
Date: April 23, 2009

How Delivered: Certified Certified/Registered # 7006 0810 0004 0137 3262

1/25/10

STEVEN L. BESHEAR
GOVERNOR

LEONARD K. PETERS
SECRETARY

ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION

Division of Water
9116 Leesgate Rd
Louisville, KY 40222-5084
www.kentucky gov

January 25, 2010

Certified No. 7006 3450 0001 1407 5111
Return Receipt Requested

Mr. Martin G. Cogan
1706 Bardstown Rd
Louisville, KY 40205

Re: Notice of Violation
AI ID: 448
AI Name Hunters Hollow Subd
Activity ID: ENV20100001
Permit No. KY003861
Bullitt County, KY

Dear Mr. Cogan

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.
You are scheduled to attend a Regional Office Conference at the Louisville Regional Office on Thursday February 4, 2010 at 10:00 A M.

Your cooperation and attention to this matter is appreciated. If you have any questions, please contact me at 502-4297122.

Sincerely,

Brad Trivette

Mr. Brad Trivette,
Environmental Inspector III
Division of Water

Enclosure
CC Mr. Larry Smither, Covered Bridge Utilities, LLC.

COMMONWEALTH OF KENTUCKY
ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
Division of Water

NOTICE OF VIOLATION

To: Mr. Martin G. Cogan
1706 Bardstown Rd
Louisville, KY 40205

AI Name: Hunters Hollow Subd **AI ID:** 448 **Activity ID:** ENV20100001
County: Bullitt
Enforcement Case ID:
Date(s) Violation(s) Observed: 01/20/2010

This is to advise that you are in violation of the provisions cited below:

1 **Violation Description for Subject Item PORT0000000001Blue Lick Road Sewers(Hunters Hollow):** Whenever, by reason of emergency or accident, a spill or discharge occurs which results in pollution of the waters of the Commonwealth, the Division of Water shall be notified by the most rapid means available. [401 KAR 5:015 Section 2]

Description of Non Compliance:
Not all of the bypasses are reported within 24 hours. . The bypass report faxed to the Louisville Regional Office 1/13/10 claims that no stream cleanup is needed. This indicates that no sludge solids were lost to the stream. Sludge solids were observed by DOW on 1/15/10.

The remedial measure(s), and date(s) to be completed by are as follows:
Report all bypasses within 24 hours. Bypasses that may cause an environmental impact should be reported immediately but never later than 24 hours. You must attend a Regional Office Conference at the Division of Water, Louisville Regional Office, on Thursday February 4, 2010 at 10:00 A.M. [401 KAR 5:015 Section 2]

2 **Violation Description for Subject Item PORT0000000001Blue Lick Road Sewers(Hunters Hollow):** Proper Operation and Maintenance. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control and related appurtenances which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls, and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit. [401 KAR 5:065 Section 2(1)]

Description of Non Compliance:
The faculty is having many mechanical breakdowns which lead to partially treated waste being discharged. These repairs are frequent and are taking long to repair. More preventative maintenance needs to be done. Stream cleaning is being done after DOW request. They should be done as needed by the facility ASAP after a loss of solids the stream. The operator should be checking it daily. Only a small portion of the stream was cleaned before rains washed the sludge deposits away.

The remedial measure(s), and date(s) to be completed by are as follows:
Immediately implement proper operations, maintenance practices and procedures to ensure proper plant operations and permit compliance. The operations practices must include prompt response to stream cleaning when necessary. You must attend a Regional Office Conference at the Division of Water Louisville Regional Office, on Thursday February 4, 2010 at 10:00 A.M. [401 KAR 5:065 Section 2(1)]

3 Violation Description for Subject Item PORT0000000001Blue Lick Road Sewers(Hunters Hollow):
There shall be no discharge that causes the surface waters of the Commonwealth to be aesthetically or otherwise degraded by substances that: (a) settle to form objectionable deposits, (b) float as debris, scum, oil, or other matter to form a nuisance; (c) produce objectionable color, odor, taste, turbidity; (d) injure, are chronically or acutely toxic to or produce adverse physiological or behavioral responses in humans, animals, fish and other aquatic life. [401 KAR 10:031 Section 2] & [KRS 224 70-110]

Description of Non Compliance:
The stream was very dark. There were many areas where sludge solids had settled out in the stream. Sludge was observed as fast as 400 yards away near the Brooks road intersection across from the gas Station.

The remedial measure(s), and date(s) to be completed by are as follows:
Immediately stop degrading the Waters of the Commonwealth of Kentucky. You must attend a Regional Office Conference at the Division of Water, Louisville Regional Office, on Thursday February 4, 2010 at 10:00 A.M. [401 KAR 10 031 Section 2] & [KRS 224.70-110]

4 **Violation Description for Subject Item PORT0000000001Blue Lick Road Sewers(Hunters Hollow):**
Twenty-four (24) hour reporting. The permittee shall follow the provisions of 401 KAR 5:015 and shall orally report any noncompliance which may endanger health or the environment, within 24 hours from the time the permittee becomes aware of the circumstances. This report shall be in addition to and not in lieu of any other reporting requirement applicable to the noncompliance. [401 KAR 5:065 Section 2(1)]

Description of Non Compliance:
Some of the reports are within the 24 hour time frame Some are days later. The loss of sewage solids to the stream was never reported. Some attempts were made only after DOW request.

The remedial measure(s), and date(s) to be completed by are as follows:
Report all bypasses within 24 hours. Bypasses that may cause an environmental impact should be reported immediately but never later than 24 hours. You must attend a Regional Office Conference at the Division of Water, Louisville Regional Office, on Thursday February 4, 2010 at 10:00 A.M. [401 KAR 5:065 Section 2 (1)]

Violations of the above cited statute(s) and/or regulation(s) are subject to a civil penalty per day per violation. Violations carry civil penalties of up to $25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

If you have questions or need further information, write or call the undersigned:

Division of Water
Louisville Regional Office
9116 Leesgate Rd
Louisville, KY 40222-5084
502-429-7122 (8:00 AM – 4:30 PM)
Mr. Brad Trivette, Environmental Inspector III

Brad Trivette

Issued By:
Mr. Brad Trivette, Environmental Inspector III
Date: January 25, 2010

Issued By Charles A. Roth

Mr. Charlie Roth, Environmental Control Supervisor
Date: January 25, 2010

How Delivered: Certified Certified/Registered # 7006 3450 0001 1407 5111

LOUISVILLE REG OFFICE
DEP FOR ENVIRONMENTAL

Covered Bridge Utilities Inc.
P.O. Box 91588
Louisville, Kentucky 40291
502-241-4809 Fax 502-241-7943

2010 MAR 22 A 11: 25

March 19, 2010

Mr. Charlie Roth, Supervisor
Louisville Regional Office
Division of Water
9116 Leesgate Road
Louisville, KY 40222

Re: Regional Office Conference Summary
Hunters Hollow WWTP
KY0038610, AI 448
Bullitt County, Kentucky

Dear Mr. Roth:

It was requested that I, as the plant operator, respond to your office conference summary dated February 22, 2010. So the following are a summary of the actions taken and planned, to address those items listed in your letter:

1) It is our intent that the plant and collection system always receive the proper operation and attention that is necessary and required. There is and always has been, a log book in the building at the plant, for the operator to record his findings and actions during each and every visit to the facility. And I have instructed all personnel that works for me to be absolutely sure they enter their comments in this book during every visit.

2) It is certainly always our intention to meet the limits of the KPDES permit. We stay in close contact with Beckmar Labs, that perform the tests for Hunters Hollow, to make sure we are meeting the limits. If we find that we are out of limit on a particular parameter, we make corrections at the plant and request a retest to see if we are then meeting the limits.

3) It is my policy that all overflow/bypasses, at this facility or any of the facilities that we operate, are to be reported to the Division of Water. If this has not been done on an occasion or two, I apologize, and I will make every effort to see that this is complied with in the future.

4) The receiving stream for Hunters Hollow has been cleaned on a number of occasions in the past few months and I am confident that the inspector, Brad Trivette, has been aware of each and everyone one. Also, I have instructed the operator to do a routine inspection of the stream at least twice a week, or more often if he feels that it is necessary due to some problem at the plant.

5) In a meeting that we had on Wednesday the 17th it was decided that we would immediately solicit bids, from companies that have the necessary equipment, for an I/I study of this sewer system. We will give the contractors 90 days to view plans, look at the sewers and turn in a bid for said work. When the bids are all received, the owners of this utility will meet and make a determination of how and when to proceed with the study. This will be expensive so more than likely it will have to be done in phases. You will be kept informed as this goes forward.

I trust that the above comments will meet with your approval.

If you have questions or need additional information please let me know.

Sincerely,

Lawrence W. Smither

STEVEN L. BESHEAR
GOVERNOR

LEONARD K. PETERS
SECRETARY

ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF WATER
9116 LEESGATE ROAD
LOUISVILLE KY 40222-5004
www.kentucky.gov

March 22, 2010

Mr. Martin G. Cogan
1706 Bardstown Rd
Louisville, KY 40205

Re Notice of Violation
AI ID: 448
AI Name: Hunters Hollow Subd
Activity ID: ENV20100001
Permit No. KY0038610
Bullitt County, KY

Dear Mr. Martin G. Cogan:

On January 26, 2010, the Division of Water issued Hunters Hollow Subd a Notice of Violation (NOV). The Louisville Regional Office appreciates Hunters Hollow Subd's efforts to address the compliance issues raised by the NOV. The actions taken by Hunters Hollow Subd in response to the NOV are considered sufficient at this time with regard to the violations listed in the NOV. The Cabinet reserves its rights under KRS Chapter 224 and its administrative regulations to undertake such enforcement action hereafter as it deems appropriate, which may include consideration of the compliance issues addressed by the NOV If you have any questions, please feel free to contact me at 502-429-7122

Sincerely,

Charles A. Roth

Mr. Charles A. Roth
Supervisor
Louisville Regional Office

c: Mr. Larry Smither, Covered Bridge Utilities, Inc.

9/17/10

STEVEN L. BESHEAR
GOVERNOR

LEONARD K. PETERS
SECRETARY

ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
Division of Water
9116 Leesgate Rd
Louisville, KY 40222-5084
www.kentucky.gov

September 17, 2010

Certified No. 7008 1140 0003 3813 2874
Return Receipt Requested

Lawrence W Smither
PO Box 137
Crestwood (Oldham), KY 40014

Re: Notice of Violation
AI ID: 448
AI Name: Hunters Hollow Subd
Activity ID: ENV20100002
Permit No. KY0038610
Bullitt County, KY

Dear Mr. Smither:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Your cooperation and attention to this matter is appreciated. If you have any questions, please contact me at 502-429-7122.

Sincerely,

Brad Trivette

Mr. Brad Trivette,
Environmental Inspector III
Division of Water

Enclosure

COMMONWEALTH OF KENTUCKY
ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
Division of Water

NOTICE OF VIOLATION

To: Lawrence W Smither
PO Box 137
Crestwood (Oldham), KY 40014

AI Name: Hunters Hollow Subd **AI ID:** 448 **Activity ID:** ENV20100002
County: Bullitt
Enforcement Case ID:
Date(s) Violation(s) Observed: 08/30/2010

This is to advise that you are in violation of the provisions cited below:

1 **Violation Description for Subject Item GINS0000000001(KPDES Individual):**
Proper Operation and Maintenance. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control and related appurtenances which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls, and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit. [401 KAR 5:065 Section 2(1)]

Description of Non Compliance:
The facility is having to many instances of blowers being off due to mechanical problems like belts breaking and breakers kicking the blowers off allowing the plants effluent to get very dark.

The remedial measure(s), and date(s) to be completed by are as follows:
Use proper operations and maintenance procedures that will ensure compliance with the KPDES permit and all applicable Kentucky Administrative Regulations. This should include preventive maintenance and keeping backup supplies on hand. Submit a written response to this office of what corrective measures you will take to address these violations. The written response is **due by Oct. 18, 2010**. [401 KAR 5:065 Section 2(1)]

2 **Violation Description for Subject Item GINS0000000001(KPDES Individual):**
There shall be no discharge that causes the surface waters of the Commonwealth to be aesthetically or otherwise degraded by substances that: (a) settle to form objectionable deposits; (b) float as debris, scum, oil, or other matter to form a nuisance; (c) produce objectionable color, odor, taste, turbidity; (d) injure, are chronically or acutely toxic to or produce adverse physiological or behavioral responses in humans, animals, fish and other aquatic life. [401 KAR 10:031 Section 2] & [KRS 224.70-110]

Description of Non Compliance:
The effluent is still very cloudy. The stream is dark grey below the effluent discharge. I did not observe any sewer solids at this time.

The remedial measure(s), and date(s) to be completed by are as follows:
Use proper operations and maintenance procedures that will ensure prevention of causing degradation to the waters of the Commonwealth of Kentucky. Submit a written response to this office of what corrective measures you will take to address this violation. The written response is **due by Oct. 18, 2010**. [401 KAR 10:031 Section 2] & [KRS 224.70-110]

Violations of the above cited statute(s) and/or regulation(s) are subject to a civil penalty per day per violation. Violations carry civil penalties of up to $25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

If you have questions or need further information, write or call the undersigned:

Division of Water
Louisville Regional Office
9116 Leesgate Rd
Louisville, KY 40222-5084
502-429-7122 (8:00 AM – 4:30 PM)
Mr. Brad Trivette, Environmental Inspector III

Brad Trivette

Issued By: _____
Mr. Brad Trivette, Environmental Inspector III
Date: September 17, 2010

Charles A. Roth

Issued By: _____
Mr. Charlie Roth, Environmental Control Supervisor
Date: September 17, 2010

How Delivered: Certified Certified/Registered # 7008 1140 0003 3813 2874

Covered Bridge Utilities Inc.
P.O. Box 91588
Louisville, Kentucky 40291
502-238-3301 Fax 502-239-1797

October 22, 2010

Mr. Brad Trivette
Division of Water
Louisville Regional Office
9116 Leesgate Road
Louisville, KY 40222

2010 OCT 25 A 10:04
LOUISVILLE REGIONAL OFFICE
FOR ENVIRONMENTAL PROTECTION

Re: Notice of Violation
AI ID: 448
AI Name: Hunters Hollow WWTP
Activity ID: ENV20100002
Permit No. KY0038610
Bullitt County, KY

Dear Mr. Trivette:

I feel that it is unfortunate and unnecessary that a Notice of Violation was issued for the blower problems that we have had at the plant. Yes we have had a good many problems but never did we neglect the problems, delay the correction nor fail to report to the DOW the existence of the problem.

In the past 12 plus months, Mr. Carroll Cogan, president of Bullitt Utilities, Inc., dba Hunters Hollow has spent many thousands of dollars on this plant making repairs, adding new equipment and cleaning the receiving stream. Never has he told us to delay or not to repair or replace an item that was needing attention.

Now to address the issue at hand about the blowers, the following list of repairs or additions have been completed:

- One (1) new Sutorbilt Model 7M blower has been purchased and installed.
- One (1) new 30 H.P. motor purchased and installed.
- The control building, where the blowers are located, has been completely rewired electrically.
- We have had the electrical contractor back on at least two separate and additional occasions to recheck the electrical service to the blowers and the controls.
- The #2 blower control panel has been rebuilt.
- A pressure gauge has been installed in the blower discharge piping.

- Both blower/motor assemblies have been realigned to insure that they are running true.
- Installed a new sheave on the #2 blower. We found that the sheave on this blower was cracked and that was tearing up the belts.
- All diffuser drops have been pulled, disassembled, piping and diffusers cleaned, reassembled and reinstalled. (This was done to help reduce the amount of backpressure on the blowers and to maximize the flow of air to the aeration tank.)

I trust that you will agree, after seeing this list, that we have made a sincere effort to resolve this issue. Of course, you can never eliminate having problems with mechanical and electrical equipment but I do feel that our blower problems in the future should be minimal. However often they may occur we will always address them promptly and give proper notification to the DOW.

In addition, we had the receiving stream cleaned this week by Bullitt County Septic Tank Service. The work was performed on the 20th and 21st.

I hope that this will meet with your approval.

If you have questions or need additional information please let me know.

Sincerely,

Lawrence W. Smither

STEVEN L. BESHEAR
GOVERNOR

LEONARD K. PETERS
SECRETARY

ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF WATER
9116 LEESGATE ROAD
LOUISVILLE KY 40222-5004
www.kentuckv.aov

November 9, 2010

Lawrence W Smither
PO Box 137
Crestwood (Oldham), KY 40014

Re: Notice of Violation
AI ID: 448
AI Name: Hunters Hollow Subd
Activity ID: ENV20100002
Permit No. KY0038610
Bullitt County, KY

Dear Mr Smither:

On September 17, 2010, the Division of Water issued Hunters Hollow Subd a Notice of Violation (NOV). The Louisville Regional Office appreciates Hunters Hollow Subd's efforts to address the compliance issues raised by the NOV. The actions taken by Hunters Hollow Subd in response to the NOV are considered sufficient at this time with regard to the violations listed in the NOV. The Cabinet reserves its rights under KRS Chapter 224 and its administrative regulations to undertake such enforcement action hereafter as it deems appropriate, which may include consideration of the compliance issues addressed by the NOV. If you have any questions, please feel free to contact me at 502-429-7122

Sincerely,

Brad Trivette

Mr. Brad Trivette
Environmental Inspector III

c.
Main File

ENERGY AND ENVIRONMENT CABINET

Steven L. Beshear
Governor

Department for Environmental Protection
Division of Water
9116 Leesgate Road
Louisville, Kentucky 40222
Phone: (502) 429-7122
Fax: (502) 429-7125
www.water.ky.gov

Leonard K. Peters
Secretary

R. Bruce Scott
Commissioner

February 22, 2010

Mr. Martin G. Cogan
1706 Bardstown Road
Louisville, KY 40205

RE: Regional Office Conference Summary
Hunters Hollow WWTP
KY003861, AI 448
Bullitt County, Kentucky

Dear Mr. Cogan:

It was a pleasure meeting with you and Mr. Smither at the Louisville Regional Office on Tuesday February 16, 2010. Brad Trivette and I were pleased with the discussion regarding concerns relating to the Hunters Hollow Wastewater Treatment Plant. Below is a summary the topics discussed and actions to be taken:

1) On January 25, 2010, a Notice of Violation was issued for failure to properly report a bypass resulting in a loss of solids to the stream. Some reports were received by the Division of Water, however they did not indicated the loss of sludge requiring a stream cleanup. It was not until the DOW inspector visited the site and requested a cleanup that this action was undertaken.
2) On January 25, 2010 a Notice of Violation was issued for Operation and Maintenance issues resulting in a loss of solids to the stream. Information provided by Hunters Hollow indicated that this plant was undergoing multiple O&M problems during this time which contributed to the violations. There was agreement that in addition to the routine maintenance concerns at this plant there is a recognized Inflow and Infiltration (I/I) component that needs to be addressed. Hunters Hollow has performed some I/I work at this time.
3) On January 25, 2010 a Notice of Violation was issued for degradation of the waters of the Commonwealth as a result of the loss of solids from the Hunters Hollow WWTP to the receiving stream.

Actions:

1) Properly operate and maintain the wastewater treatment plant and collections system. Document all daily actions performed at this facility in the facility log book.
2) Meet all KPDES permit limits and comply with all permit conditions.
3) Properly report all overflows/bypasses to the Division of Water. Those that may endanger health of environment should be reported immediately but must be reported within 24 hours.

4) Immediately perform stream cleanup for any activity resulting in stream degradation. Monitor stream conditions on a regular basis and document in facility log book.
5) Perform an I/I study to determine the cause(s) of wet weather inflow and infiltration into the system contributing to overflows and bypasses at this facility. Implement corrective measures from this study to address I/I issues.
6) By **Wednesday, March 17, 2010** submit to the Louisville Regional Office, DOW a written summary of actions taken and planned to address all topics discussed and to ensure compliance with all applicable KPDES permit conditions and Kentucky Administrative Regulations.

I appreciate your time concerning these issues. If you have any questions, please contact Brad Trivette or me at 502-429-7122.

Sincerely,

Charles A. Roth

Charles A. Roth, Supervisor
Louisville Regional Office
Division of Water

CC: Mr. Larry Smither, Camden Environmental Services Co. Inc.

3/24/11

STEVEN L. BESHEAR
GOVERNOR

LEONARD K. PETERS
SECRETARY

ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
Division of Water
9116 Leesgate Rd
Louisville, KY 40222-5084
www.kentucky.gov

March 24, 2011

Certified No. 7008 1140 0003 3813 3147
Return Receipt Requested

Mr. Martin G. Cogan
1706 Bardstown Rd
Louisville, KY 40205

Re Notice of Violation
AI ID: 448
AI Name: Hunters Hollow Subd
Activity ID: ENV20110001
Permit No. KY0038610
Bullitt County, KY

Dear Mr Cogan

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility during an investigation conducted on 3/17/11. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines. Please be aware that due to continued violations this facility will be referred to the Division of Enforcement for additional remedial measures.

Your cooperation and attention to this matter is appreciated. If you have any questions, please contact me at 502-429-7122.

Sincerely,

Brad Trivette

Mr. Brad Trivette, Environmental Inspector III
Division of Water

Enclosure

COMMONWEALTH OF KENTUCKY
ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
Division of Water

NOTICE OF VIOLATION

To: Mr. Martin G. Cogan
1706 Bardstown Rd
Louisville, KY 40205

AI Name: Hunters Hollow Subd **AI ID:** 448 **Activity ID:** ENV20110001
Discovery ID: CIV20110001 **County:** Bullitt
Enforcement Case ID:
Date(s) Violation(s) Observed: 03/17/2011

This is to advise that you are in violation of the provisions cited below:

1 **Violation Description for Subject Item AIOO00000000448():**
Part II Standard Conditions for KPDES Permit. Whenever by reason of emergency or accident a spill or discharge occurs from a sewage system or from a container or pipeline used to transport or store substances which would result in or contribute to the pollution of the waters, the person in charge of such activity shall immediately notify the Division of Water by the most rapid means available at 1-800-928-2380. [401 KAR 5:015 Section 2]

Description of Non Compliance:
The facility was losing sewer solids and the very dark effluent was discoloring the stream.
The Facility did not notify the Division of Water.

The remedial measure(s), and date(s) to be completed by are as follows:
Immediately report all facility upsets that cause degradation to the waters of the Commonwealth of Kentucky. Report must be made within 24 hours of the event. Additional remedial measures may be determined by the Division of Enforcement [401 KAR 5:015 Section 2]

2 **Violation Description for Subject Item AIOO00000000448():**
Proper Operation and Maintenance. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control and related appurtenances which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls, and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit. [401 KAR 5:065 Section 2(1)] as in [40 C.F.R. 122.41(e)].

Description of Non Compliance:
The facility is not being properly operated and maintained as required The facility was losing sewer solids and the very dark effluent was discoloring the stream. Aeration basin was very dark indicating septic conditions. Clarifier also was very dark/cloudy and was losing sludge solids. According to facility logbook, the air to aeration basin was turned off on 3/8 and 3/9 2011 due to heavy rains. The air was not turned back on until 3/17/2011. The logbook states that from the 8th to the 16th "air off due to high flow".

The collection system obviously has a significant inflow and infiltration problem.

The remedial measure(s), and date(s) to be completed by are as follows:
Immediately remove the sewer solids from the stream.
The permittee must, at all times, properly operate & maintain the facility. With proper approval(s) from the Division of Water, upgrade/update the facility in order to meet the regulatory requirements and facility permit conditions. **By April 25, 2011**, the permittee shall submit a written notification to the undersigned

that the permittee complies with all requirements of its permit. The written notice shall include stream cleaning dates and receipts. Additional remedial measures may be determined by the Division of Enforcement. [401 KAR 5:065 Section 2(1)]

3 **Violation Description for Subject Item AIOO00000000448():**
No person shall directly, or indirectly, throw, drain, run or otherwise discharge into any of the waters of the Commonwealth, or cause, permit or suffer to be thrown, drained, run otherwise discharged into such waters any pollutant, or any substance that shall cause or contribute to the pollution of the waters of the commonwealth in contravention of the standards adopted by the cabinet or in contravention of any of the rules, regulations, permits, or orders of the cabinet or in contravention of any of the provisions of this chapter. [KRS 224.70-110].

Description of Non Compliance:
Pollutants have entered and contributed to the pollution of the waters of the Commonwealth.

The facility was losing sewer solids to the stream and the very dark effluent was also discoloring the stream.

The remedial measure(s), and date(s) to be completed by are as follows:
Immediately cease all activity, which is contributing or has contributed to the pollution of the waters of the Commonwealth. Immediately remove the sewer solids from the stream. **By April 25, 2011**, the permittee/responsible party shall submit a plan of action and a schedule of implementation to the undersigned describing the necessary measures taken to address the non-compliance Additional remedial measures may be determined by the Division of Enforcement. [KRS 224 70-110]

4 **Violation Description for Subject Item AIOO00000000448():**
Surface waters shall not be aesthetically or otherwise degraded. [401 KAR 10:031 Section 2].

Description of Non Compliance:
The waters of the Commonwealth have been degraded Pollutants have entered and contributed to the pollution of the waters of the Commonwealth.

The facility was losing sewer solids to the stream and the very dark effluent was also discoloring the stream.

The remedial measure(s), and date(s) to be completed by are as follows:
Immediately cease all discharges that are aesthetically or otherwise degrading the waters of the Commonwealth. Immediately remove the sewer solids from the stream The effluent must be brought into compliance so as to eliminate stream degradation. **By April 25, 2011**, the permittee/responsible party shall submit a plan of action and a schedule of implementation to the undersigned describing the necessary measures taken to address the non-compliance Additional remedial measures may be determined by the Division of Enforcement [401 KAR 10:031 Section 2]

Violations of the above cited statute(s) and/or regulation(s) are subject to a civil penalty per day per violation Violations carry civil penalties of up to $25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

If you have questions or need further information, write or call the undersigned:

Division of Water
Louisville Regional Office
9116 Leesgate Rd
Louisville, KY 40222-5084
502-429-7122 (8:00 AM – 4:30 PM)
Mr. Brad Trivette, Environmental Inspector III

Issued By: Brad Trivette

Mr. Brad Trivette, Environmental Inspector III
Date: March 24, 2011

Issued By: Charles A. Roth

Mr. Charlie Roth, Environmental Control Supervisor
Date: March 24, 2011

How Delivered: Certified Certified/Registered # 7008 1140 0003 3813 3147

STEVEN L. BESHEAR
GOVERNOR

LEONARD K. PETERS
SECRETARY

ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF ENFORCEMENT
300 FAIR OAKS LANE
FRANKFORT KENTUCKY 40601
www.kentucky.gov

June 2, 2011

CERTIFIED MAIL No. 7010 0780 0001 1439 4557
Return Receipt Requested

Bullitt Utilities
Attention: Mr. Martin G. Cogan
1706 Bardstown Road
Louisville, KY 40205

Re: Administrative Conference

AI Name	Hunters Hollow Subd
AI No.	448
Case No.	110134
Activity No.	ERF20110001
Facility ID:	KY0038610
County	Bullitt

Dear Mr. Cogan:

An Administrative Conference between the Hunter's Hollow Subdivision WWTP and the Division of Enforcement is scheduled for June 30, 2011, beginning at 10:30 a.m. Eastern Time. The meeting will be held at the Division of Enforcement, 300 Fair Oaks Lane, Frankfort, Kentucky 40601. The purpose of the Administrative Conference will be to discuss the numerous violations that were cited against the above noted facility from 2009 to the present.

Please find the enclosed map to assist you in locating the conference. When you arrive at 300 Fair Oaks Lane, enter the front of the building and ask for Greg Wilson. The receptionist will contact me and I will escort you to the conference room. Since the Administrative Conference is informal, legal representation is not required. If you feel a legal representative is needed, please contact me at least five (5) working days prior to the meeting

If you are unable to resolve your case in the Division of Enforcement, it may be necessary to refer your case for formal legal action. Should you have any questions regarding this correspondence, please contact me at (502) 564- 2150 extension 168 or greg.wilson@ky.gov.

Respectfully,

J. Greg Wilson
Environmental Enforcement Specialist III
Division of Enforcement

Enclosure

STEVEN L. BESHEAR
GOVERNOR

LEONARD K. PETERS
SECRETARY

ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF ENFORCEMENT
300 FAIR OAKS LANE
FRANKFORT KENTUCKY 40601
www.kentucky.gov

June 2, 2011

CERTIFIED MAIL No. 7010 0780 0001 1439 4205
Return Receipt Requested

Mr. Lawrence W. Smither
P.O. Box 137
Crestwood, KY 40014

Re: Administrative Conference
Case No. 110134
AI Name Hunters Hollow Subd
AI No. 448
Activity No. ERF20110001
Facility ID: KY0038610
County Bullitt

Dear Mr. Smither:

An Administrative Conference between the Hunter's Hollow Subdivision WWTP and the Division of Enforcement is scheduled for June 30, 2011, beginning at 10:30 a.m. Eastern Time. The meeting will be held at the Division of Enforcement, 300 Fair Oaks Lane, Frankfort, Kentucky 40601. The purpose of the Administrative Conference will be to discuss the violations that have been cited against this facility from 2009 through the present.

Please find the enclosed map to assist you in locating the conference. When you arrive at 300 Fair Oaks Lane, enter the front of the building and ask for Greg Wilson. The receptionist will contact me and I will escort you to the conference room. Since the Administrative Conference is informal, legal representation is not required. If you feel a legal representative is needed, please contact me at least five (5) working days prior to the meeting.

If you are unable to resolve your case in the Division of Enforcement, it may be necessary to refer your case for formal legal action. Should you have any questions regarding this correspondence, please contact me at (502) 564- 2150 extension 168 or greg.wilson@ky.gov.

Respectfully,

J. Greg Wilson
Environmental Enforcement Specialist III
Division of Enforcement

Enclosure

12/12/11

STEVEN L. BESHEAR
GOVERNOR

LEONARD K. PETERS
SECRETARY

ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
Division of Water
9116 Leesgate Rd
Louisville, KY 40222-5084
www.kentucky.gov

December 1, 2011

Certified No. 7008 1140 0003 3813 3352
Return Receipt Requested

Mr. Carol Cogan
9505 Williamsburg Plaza
Suite 200
Louisville, KY 40222

Re: Notice of Violation
AI ID: 448
AI Name: Hunters Hollow Subd
Activity ID: ENV20110002
Permit No. KY0038610
Bullitt County, KY

Dear Mr. Cogan:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility as the result of an investigation conducted on 11/1/2011. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines. You must **immediately** remove all of the settled sewer solids from the stream. All visible sewer solids must be removed. Copies of the stream cleaning work and bills should be included with your written response to this office.

Your cooperation and attention to this matter is appreciated. If you have any questions, please contact me at 502-429-7122.

Sincerely,

Brad Trivette

Mr. Brad Trivette,
Environmental Inspector III
Division of Water

Enclosure

COMMONWEALTH OF KENTUCKY
ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
Division of Water

NOTICE OF VIOLATION

Mr. Carol Cogan
9505 Williamsburg Plaza
Suite 200
Louisville, KY 40222

Louisville, KY 40205

AI Name: Hunters Hollow Subd **AI ID:** 448 **Activity ID:** ENV20110002
Discovery ID: CIV20110002 **County:** Bullitt
Enforcement Case ID:
Date(s) Violation(s) Observed: 11/01/2011

This is to advise that you are in violation of the provisions cited below:

1 **Violation Description for Subject Item AIOO00000000448():**
Whenever, by reason of emergency or accident, a spill or discharge occurs which results in pollution of the waters of the Commonwealth, the Division of Water shall be notified by the most rapid means available. [401 KAR 5:015 Section 2].

Description of Non Compliance:
The responsible party/permittee has failed to report the spill or discharge to the Division of Water as required. The log book indicates the air at the plant was off prior to 10/29/11 and it was turned back on the 29th. Later that day the plant started losing solids The air was turned off again and remained off through 11/1/11. No notification was made of these events.
There was a Notification made via fax. on 11/4/11. It made no mention of the 10-29-11 to 11-1-11 bypasses of treatment, losing of solids to the stream, or the streams black septic condition.

The remedial measure(s), and date(s) to be completed by are as follows:
All future spills/bypasses, which would result in or contribute to the pollution of the waters, must be reported to the Division of Water by the most rapid means available. **Immediately** remove all of the settled sewer solids from the stream Additional requirements and or penalties may be determined by the Division of Enforcement. [401 KAR 5:015 Section 2]

2 **Violation Description for Subject Item AIOO00000000448():**
Proper Operation and Maintenance. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control and related appurtenances which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls, and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit. [40 CFR 122.41(e)]. [401 KAR 5:065 Section 2(1)]

Description of Non Compliance:
The facility is not being properly operated and maintained as required The facility appears to have severe inflow and infiltration issues. There are far too many events where the air is turned off at the plant during wet weather because the plant can't handle the flow The time the plant goes without air while the flow is very high can last for several days. Today the air was off due to high flow. The effluent was very cloudy. The stream is very dark with heavy solids being deposited.

The remedial measure(s), and date(s) to be completed by are as follows:
The permittee must, at all times, properly operate & maintain the facility. With proper approval(s) from the Division of Water, upgrade/update the facility in order to meet the regulatory requirements and facility permit conditions. **Within thirty (30) days of the receipt of this notice**, the permittee shall submit a written notification to the undersigned that the permittee complies with all requirements of its permit. **Immediately** remove all of the settled sewer solids from the stream. Additional requirements and or penalties may be determined by the Division of Enforcement. [401 KAR 5:065 Section 2(1)]

3 **Violation Description for Subject Item AIOO0000000448():**
No person shall directly, or indirectly, throw, drain, run or otherwise discharge into any of the waters of the Commonwealth, or cause, permit or suffer to be thrown, drained, run otherwise discharged into such waters any pollutant, or any substance that shall cause or contribute to the pollution of the waters of the commonwealth in contravention of the standards adopted by the cabinet or in contravention of any of the rules, regulations, permits, or orders of the cabinet or in contravention of any of the provisions of this chapter. [KRS 224.70-110].

Description of Non Compliance:
Pollutants have entered and contributed to the pollution of the waters of the Commonwealth.
The stream is very dark There are heavy sewer solids entering the stream.

The remedial measure(s), and date(s) to be completed by are as follows:
Immediately cease all activity, which is contributing or has contributed to the pollution of the waters of the Commonwealth. **Within thirty (30) days of the receipt of this notice**, the permittee/responsible party shall submit a plan of action and a schedule of implementation to the undersigned describing the necessary measures taken to address the non-compliance. **Immediately** remove all of the settled sewer solids from the stream. Additional requirements and or penalties may be determined by the Division of Enforcement [KRS 224.70-110]

4 **Violation Description for Subject Item AIOO0000000448():**
Surface waters shall not be aesthetically or otherwise degraded. [401 KAR 10.031 Section 2].

Description of Non Compliance:
The waters of the Commonwealth have been degraded. Pollutants have entered and contributed to the pollution of the waters of the Commonwealth.

The stream is very dark. There are heavy sewer solids entering the stream.

The remedial measure(s), and date(s) to be completed by are as follows:
Immediately cease all discharges that are aesthetically or otherwise degrading the waters of the Commonwealth. The effluent must be brought into compliance so as to eliminate stream degradation. **Within thirty (30) days of the receipt of this notice**, the permittee/responsible party shall submit a plan of action and a schedule of implementation to the undersigned describing the necessary measures taken to address the non-compliance. **Immediately** remove all of the settled sewer solids from the stream. Additional requirements and or penalties may be determined by the Division of Enforcement. [401 KAR 10:031 Section 2]

Violations of the above cited statute(s) and/or regulation(s) are subject to a civil penalty per day per violation. Violations carry civil penalties of up to $25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

If you have questions or need further information, write or call the undersigned:

Division of Water
Louisville Regional Office
9116 Leesgate Rd
Louisville, KY 40222-5084
502-429-7122 (8:00 AM – 4:30 PM)
Mr. Brad Trivette, Inspector III

Brad Trivette

Issued By: _____
Mr. Brad Trivette, Environmental Inspector III
Date: December 12, 2011

Charles A. Roth

Issued By: _____
Mr. Charlie Roth, Environmental Control Supervisor
Date: December 12, 2011

How Delivered: Certified Certified/Registered # 7008 1140 0003 3813 3352

2/21/12

STEVEN L. BESHEAR
GOVERNOR

LEONARD K. PETERS
SECRETARY

ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
Division of Water
9116 Leesgate Rd
Louisville, KY 40222-5084
www.kentucky.gov

February 21, 2012

Certified No. 7010 1060 0000 9371 7057
Return Receipt Requested

Carroll Cogan
9505 Williamsburg Plaza
Suite 200
Louisville, KY 40222

Re: Notice of Violation
AI ID: 448
AI Name: Hunters Hollow Subd
Activity ID: ENV20120001
Permit No. KY0038610
Bullitt County, KY

Dear Mr. Cogan.

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility on 1/31/12. The violation is for an overflow at the Big Wood Ct. pump station. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Your cooperation and attention to this matter is appreciated. If you have any questions, please contact me at 502-429-7122.

Sincerely,

Brad Trivette

Mr. Brad Trivette,
Environmental Inspector III
Division of Water

Enclosure

COMMONWEALTH OF KENTUCKY
ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
Division of Water

NOTICE OF VIOLATION

To: Carroll Cogan
9505 Williamsburg Plaza
Suite 200
Louisville, KY 40222

AI Name: Hunters Hollow Subd **AI ID:** 448 **Activity ID:** ENV20120001
Discovery ID: CIV20120001 **County:** Bullitt
Enforcement Case ID:
Date(s) Violation(s) Observed: 01/31/2012

This is to advise that you are in violation of the provisions cited below:

1 **Violation Description for Subject Item AIOO0000000448():**
Whenever, by reason of emergency or accident, a spill or discharge occurs which results in pollution of the waters of the Commonwealth, the Division of Water shall be notified by the most rapid means available. [401 KAR 5:015 Section 2]

Description of Non Compliance:
The responsible party/permittee has failed to report the spill or discharge to the Division of Water as required. The overflow was reported several days late. The incident was reported by a citizen on 1/23/12. The responsible party reported to the Louisville Division of Water office via fax dated 2/4/12.

The remedial measure(s), and date(s) to be completed by are as follows:
All future spills/bypasses, which would result in or contribute to the pollution of the waters, must be reported to the Division of Water by the most rapid means available. Additional remedial measures and penalties may be assessed by the Division of Enforcement. [401 KAR 5:015 Section 2]

2 **Violation Description for Subject Item AIOO0000000448():**
Proper Operation and Maintenance. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control and related appurtenances which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls, and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit. [401 KAR 5:065 Section 2(1)] as in [40 CFR 122.41(e)].

Description of Non Compliance:
The facility is not being properly operated and maintained as required. Excessive I &I has resulted in an overflow at the pump station located on Big Wood Court.
Once the overflow had stopped the surrounding grounds were not properly cleaned up. There was paper debris left behind in the ditch. The sewage was being pumped from the pump station to the ditch. Sewage was also pumped directly into the yard of the property owner behind the pump station. The citizen's yard was not cleaned up at all. The area near the fence was covered with sewage waste.
The discharge hose was allowed to get under the privacy fence discharging onto the complainant's property. The home owner stated that this has happened several times. The area under his privacy fence was being eroded by the pumping.
The complainant states that he has made the owners and operators of the pump station aware of the situation several times with no response

The remedial measure(s), and date(s) to be completed by are as follows:
The permittee must, at all times, properly operate & maintain the facility.
Immediately stop all sewage discharges onto private property.
Upgrade/update the facility in order to meet the regulatory requirements and facility permit conditions thirty (30) days of the receipt of this notice, the permittee shall submit a written notification to the undersigned that the permittee complies with all requirements of its permit. Additional remedial measures and penalties may be assessed by the Division of Enforcement. [401 KAR 5:065 Section 2(1)]

3 **Violation Description for Subject Item AIOO00000000448():**
No person shall directly, or indirectly, throw, drain, run or otherwise discharge into any of the waters of the Commonwealth, or cause, permit or suffer to be thrown, drained, run otherwise discharged into such waters any pollutant, or any substance that shall cause or contribute to the pollution of the waters of the commonwealth in contravention of the standards adopted by the cabinet or in contravention of any of the rules, regulations, permits, or orders of the cabinet or in contravention of any of the provisions of this chapter. [KRS 224.70-110]

Description of Non Compliance:
Pollutants have entered and contributed to the pollution of the waters of the Commonwealth. Raw sewage was pumped into a drainage ditch which goes to Mud Run Creek.

The remedial measure(s), and date(s) to be completed by are as follows:
Immediately cease all discharges that are aesthetically or otherwise degrading the waters of the Commonwealth. The effluent must be brought into compliance so as to eliminate stream degradation. Within thirty (30) days of the receipt of this notice, the permittee/responsible party shall submit a plan of action and a schedule of implementation to the undersigned describing the necessary measures taken to address the non-compliance. Additional remedial measures and penalties may be assessed by the Division of Enforcement. [KRS 224 70-110]

4 **Violation Description for Subject Item AIOO00000000448():**
Surface waters shall not be aesthetically or otherwise degraded. [401 KAR 10:031 Section 2]

Description of Non Compliance:
Pollutants have entered and contributed to the pollution of the waters of the Commonwealth. Raw sewage was pumped into a drainage ditch which goes to Mud Run Creek.

The remedial measure(s), and date(s) to be completed by are as follows:
Immediately cease all discharges that are aesthetically or otherwise degrading the waters of the Commonwealth. The effluent must be brought into compliance so as to eliminate stream degradation. Within thirty (30) days of the receipt of this notice, the permittee/responsible party shall submit a plan of action and a schedule of implementation to the undersigned describing the necessary measures taken to address the non-compliance. Additional remedial measures and penalties may be assessed by the Division of Enforcement. [401 KAR 10 031 Section 2]

Violations of the above cited statute(s) and/or regulation(s) are subject to a civil penalty per day per violation. Violations carry civil penalties of up to $25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

If you have questions or need further information, write or call the undersigned:

Division of Water
Louisville Regional Office
9116 Leesgate Rd
Louisville, KY 40222-5084
502-429-7122 (8:00 AM – 4:30 PM)

Issued By: _____
Mr. Brad Trivette, Environmental Inspector III
Date: February 21, 2012

Issued By: _____
Mr. Charles Roth, Environmental Control Supervisor
Date: February 21, 2012

How Delivered: Certified Certified/Registered # 7010 1060 0000 9371 7057

STEVEN L. BESHEAR
GOVERNOR

LEONARD K. PETERS
SECRETARY

ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF WATER
9116 LEESGATE ROAD
LOUISVILLE KY 40222-5004
www.kentuckv.aov

March 27, 2013

Mr. Carroll Cogan
9505 Williamsburg Plaza
Suite 200
Louisville, Ky. 40222

Re: Notice of Violation
AI ID: 448
AI Name: Hunters Hollow Subd
Activity ID: ENV20120001
Permit No. KY0038610
Bullitt County, KY

Dear Mr Cogan:

On February 22, 2012, the Division of Water issued Hunters Hollow Subd a Notice of Violation (NOV). The Louisville Regional Office appreciates Hunters Hollow Subd's efforts to address the compliance issues raised by the NOV. The actions taken by Hunters Hollow Subd in response to the NOV are considered sufficient at this time with regard to the violations listed in the NOV. The Cabinet reserves its rights under KRS Chapter 224 and its administrative regulations to undertake such enforcement action hereafter as it deems appropriate, which may include consideration of the compliance issues addressed by the NOV. If you have any questions, please feel free to contact me at 502-429-7122.

Sincerely,

Brad Trivette

Mr. Brad Trivette
Inspector III

c: Regional Office
Main File

STEVEN L. BESHEAR
GOVERNOR

LEONARD K. PETERS
SECRETARY

ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF ENFORCEMENT
300 FAIR OAKS LANE
FRANKFORT KENTUCKY 40601
www.kentucky.gov

June 27, 2012

CERTIFIED MAIL No. 7011 2000 0001 4515 4827
Return Receipt Requested

Lawrence W. Smither
PO Box 91588
Louisville, KY 40218

Re: AI No. Multiple
AI Name Hunters Hollow Subd; Coolbrook Subd; & Airview Utilities LLC.
Case No. Multiple
Facility ID: Multiple
County Multiple

Dear Mr. Smither:

An Administrative Conference between you and the Division of Enforcement is scheduled for July 26, 2012, beginning at 2:00pm Eastern Time. The meeting will be held at the Division of Enforcement, 300 Fair Oaks Lane, Frankfort, Kentucky 40601. The purpose of the Administrative Conference will be to discuss the violations that were cited.

Please find the enclosed map to assist you in locating the conference. When you arrive at 300 Fair Oaks Lane, enter the front of the building and ask for Philip Kejzlar. The receptionist will contact me and I will escort you to the conference room. Since the Administrative Conference is informal, legal representation is not required. If you feel a legal representative is needed, please contact me at least five (5) working days prior to the meeting.

If you are unable to resolve your case in the Division of Enforcement, it may be necessary to refer your case for formal legal action. Should you have any questions regarding this correspondence, please contact me at (502) 564- 2150 extension 3604.

Respectfully,

Philip Kejzlar
Environmental Enforcement Specialist III
Division of Enforcement

Enclosure

Bullitt Utilities, Inc.
dba Hunters Hollow WWTP
P.O. Box 91588
Louisville, Kentucky 40291
502-241-4809

AUG - 7 2012

July 31, 2012

Mr. Jeffrey Schuhmann
Mr. Philip Kejzlar ✓
300 Fair Oaks Lane
Frankfort, KY 40601

Re: Hunters Hollow WWTP
KY0038610

Dear Sirs:

During the conference on July 26, 2012, you asked me what improvements had been made in the Hunters Hollow sewer system in the last 12 months. From memory I told you what I could recall. I can now be more specific after pulling the records from the file for this plant. I will now list the improvements in chronological order as follows:

1) 5/27/11 – Installed new chain on the submersible lift pumps in the #1 lift station.

2) 6/28/11 – Disassembled cleaned and repaired the air lift sludge eturn.

3) 7/18/11 – Repaired the electrical pump control panel at the #1 lift station.

4) 8/9/11 – Cleaned sludge out of the receiving stream.

5) 8/18/11 – Picked up and installed a new submersible lift pump in the #1 lift station.

6) 8/30/11 – Made wiring repairs and wire trough repairs at the treatment plant. These were for the influent pumps.

7) 9/1/11 – Fabricated and installed a new ¼" plate steel lid on the influent lift station at the plant.

8) 9/3/11 – Installed new sheaves and belts on the #2 blower at the plant.

9) 9/3/11 - Cleaned sludge out of the receiving stream.

10) 10/4/11 -- Installed a new pressure relief valve for the plant blower/motor assemblies.

11) 10/4/11 -- Installed a new float switch in the wet well at the plant influent pump station.

12) 10/13/11 – Installed new wafer check valves on both of the influent pumps at the plant.

13) 10/18/11 – Rewired the #1 blower/motor assembly control panel.

14) 11/12/11 – Repaired the air supply pipe to the air lift sludge return.

15) 11/22/11 – Installed a new Sutorbilt Model 7M blower in the treatment plant building.

16) 12/7/11 – Installed a new silencer in the main air header from the blower/motor assemblies.

17) 1/25/12 – Installed a new anchoring system for the pump discharge at the #2 lift station.

18) 2/1/12 – Installed a new submersible sewage pump in the #1 lift station.

19) 3/16/12 – Installed a new float switch in the wet well at the #1 lift station.

20) 3/26/12 – Made major repairs to the pump control panel at the #1 lift station.

21) 3/29/12 – Replaced wiring in the control panel for the #2 blower at the treatment plant.

22) 6/25/12 – Replaced burnt wires in the control building at the plant.

23) 7/18/12 – Installed new sheaves, bushings and belts on both blower/motor assemblies at the plant. This was done so both blowers could run together and provide more CFM's to the plant.

24) 7/25/12 – Fabricated and installed all new diffuser drops in the aeration tank at the treatment plant.

Mr. Carroll Cogan ,owner, has contracted with Martin Pipeline Inspection to start with the first phase of the video inspection of the sewers in Hunters Hollow. This of course is

being done to locate sources of I & I. They have been given the approval to proceed. So work should start very soon.

In addition to the items listed, numerous trips were made to the treatment plant and lift stations after severe thunder storms, high winds, etc., to check the proper operation of the equipment or to reset items that may have been kicked out.

Note: In June of 2011 we started a preventative maintenance program. On the first of each month our service technician does the P.M. on all of the equipment. This of course is being done to prolong the life of all mechanical and electrical equipment.

After reading this, I trust you will agree that we have made an earnest effort to do what is right and keep the plant and lift stations in good operational order. Please keep this in mind when you are preparing the list of remedial measures.

If you need additional information please let me know.

Sincerely,

Lawrence W. Smither, agent

7/24/12

STEVEN L. BESHEAR
GOVERNOR

LEONARD K. PETERS
SECRETARY

ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
Division of Water
9116 Leesgate Rd
Louisville, KY 40222-5084
www.kentucky.gov

July 24, 2012

Certified No. 7010 1060 0000 9371 7149
Return Receipt Requested

Mr. Carroll Cogan
9505 Williamsburg Plaza
Suite 200
Louisville, Ky. 40222

Re: Notice of Violation
AI ID: 448
AI Name: Hunters Hollow Subd
Activity ID: ENV20120002
Permit No. KY0038610
Bullitt County, KY

Dear Mr. Cogan:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility on 7/18/12. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Your cooperation and attention to this matter is appreciated. If you have any questions, please contact me at 502-429-7122

Sincerely,

Brad Trivette

Mr. Brad Trivette,
Environmental Inspector III
Division of Water

Enclosure

COMMONWEALTH OF KENTUCKY
ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
Division of Water

NOTICE OF VIOLATION

To: Carroll Cogan
9505 Williamsburg Plaza
Suite 200
Louisville, Ky. 40222

AI Name: Hunters Hollow Subd **AI ID:** 448 **Activity ID:** ENV20120002
Discovery ID: CIN20120001 **County:** Bullitt
Enforcement Case ID:
Date(s) Violation(s) Observed: 07/18/2012

This is to advise that you are in violation of the provisions cited below:

1 **Violation Description for Subject Item AIOO0000000448():**
The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. [40 C.F.R. 122.41(l)6)]. [401 KAR 5:065 Section 2(1)]

Description of Non Compliance:
The facility has failed to report spills, bypasses and/or non-compliance as required by 401 KAR 5:065 Section 2(1).
There is some sludge in the stream now. It was not reported.

The facility did report turning off the plant blowers On 7/18/12 10:30 PM to 7/19/12 8:35 a.m. The report did not indicate any solids losses to the stream and claimed no clean up necessary.

The remedial measure(s), and date(s) to be completed by are as follows:
The permittee must report spills, bypasses and non-compliance as required by 401 KAR 5:065 Section 2(1).
You must submit a written plan detailing what corrective actions you will take to meet all of the regulatory and permit requirements. The written response is due in this office by no later than August 25th, 2012
Any permit non-compliance shall constitute a violation of the Clean Water Act and KRS 224, among which shall be the following remedies: Enforcement action, permit revocation, revocation and reissuance, or modification; or denial of permit renewal application. Additional remedial measures and or penalties may be determined by the Division of Enforcement. [401 KAR 5.065 Section 2(1)]

2 **Violation Description for Subject Item AIOO0000000448():**
Whenever, by reason of emergency or accident, a spill or discharge occurs which results in pollution of the waters of the Commonwealth, the Division of Water shall be notified by the most rapid means available. [401 KAR 5:015 Section 2]

Description of Non Compliance:
The responsible party/permittee has failed to report the spill or discharge to the Division of Water as required. There is some sludge in the stream now. Is was not reported. The facility did report turning off the plant blowers On 7/18/12 10:30 PM to 7/19/12 8:35 a.m. The report did not indicate any solids losses to the stream and claimed no clean up necessary

The remedial measure(s), and date(s) to be completed by are as follows:
All future spills/bypasses, which would result in or contribute to the pollution of the waters, must be reported to the Division of Water by the most rapid means available Additional remedial measures and or penalties may be determined by the Division of Enforcement. [401 KAR 5:015 Section 2]

3 **Violation Description for Subject Item AIOO0000000448():**
Proper Operation and Maintenance The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control and related appurtenances which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls, and appropriate quality assurance procedures This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit. [40 CFR 122.41(e)]. [401 KAR 5:065 Section 2(1)]

Description of Non Compliance:
The facility is not being properly operated and maintained as required From June 2011 to May of 2012 there were 29 permit parameter exceeds violations.
There is sludge in the stream at this time

The digester was very dark and odorous.

The remedial measure(s), and date(s) to be completed by are as follows:
The permittee must, at all times, properly operate & maintain the facility. With proper approval(s) from the Division of Water, upgrade/update the facility in order to meet the regulatory requirements and facility permit conditions. You must submit a written plan detailing what corrective actions you will take to meet all of the regulatory and permit requirements. The written response is due in this office by no later than August 25th, 2012. Additional remedial measures and or penalties may be determined by the Division of Enforcement.
[401 KAR 5:065 Section 2(1)]

4 **Violation Description for Subject Item AIOO0000000448():**
All wastewater treatment plants shall have a disinfection process which meets the following requirements: An ultraviolet disinfection system designed to treat the anticipated peak hourly flow; a chlorination system with a flow or demand proportional feed system. The chlorine contact tank shall have a minimum detention time of thirty (30) minutes based on the average flow, or fifteen (15) minutes based on the peak hourly flow, whichever requires the larger tank size. Wastewater treatment plants shall also have a dechlorination system with a flow or demand proportional feed system if necessary to meet the effluent limits; or a chlorination system with a manually controlled feed system and a flow equalization basin designed to eliminate the diurnal flow variations. Tablet type chlorination equipment shall not be used in an intermediate or large WWTP. [401 KAR 5:005 Section 11]

Description of Non Compliance:
The facility has failed to properly maintain and / or operate the disinfection unit. There were two e-coli violations during the period of June 2011 to May 2012.

The remedial measure(s), and date(s) to be completed by are as follows:
The permittee must immediately maintain and operate the disinfection unit to allow for compliance with permit conditions. You must submit a written plan detailing what corrective actions you will take to meet all of the regulatory and permit requirements. The written response is due in this office by no later than August 25th, 2012. Additional remedial measures and or penalties may be determined by the Division of Enforcement.
. [401 KAR 5:005 Section 11]

5 **Violation Description for Subject Item AIOO0000000448():**
The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Clean Water Act and KRS 224 and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. [40 C.F.R. 122.41(a)]. [401 KAR 5:065 Section 2(1)]

Description of Non Compliance:
The facility has failed to comply with the effluent limitations contained in the permit. From the period of June 2011 to May 2012 there were 29 permit parameter violations. There are violations in the following parameters: NH3, TSS, BOD, E. Coli. TRC, and Phosphorous

The remedial measure(s), and date(s) to be completed by are as follows:
The permittee must comply with effluent limitations and all conditions of the KPDES permit. You must submit a written plan detailing what corrective actions you will take to meet all of the regulatory and permit requirements. The written response is due in this office by no later than August 25th, 2012.
Additional remedial measures and or penalties may be determined by the Division of Enforcement.
. [401 KAR 5:065 Section 2(1)]

6 **Violation Description for Subject Item AIOO00000000448():**
No person shall directly, or indirectly, throw, drain, run or otherwise discharge into any of the waters of the Commonwealth, or cause, permit or suffer to be thrown, drained, run otherwise discharged into such waters any pollutant, or any substance that shall cause or contribute to the pollution of the waters of the commonwealth in contravention of the standards adopted by the cabinet or in contravention of any of the rules, regulations, permits, or orders of the cabinet or in contravention of any of the provisions of this chapter. [KRS 224.70-110]

Description of Non Compliance:
Pollutants have entered and contributed to the pollution of the waters of the Commonwealth.

There are several pockets of settled sludge solids in the stream below the effluent outfall. There is a zone of darkened water near the bank below the effluent.

The remedial measure(s), and date(s) to be completed by are as follows:
Immediately cease all activity, which is contributing or has contributed to the pollution of the waters of the Commonwealth. You must submit a written plan detailing what corrective actions you will take to meet all of the regulatory and permit requirements. The written response is due in this office by no later than August 25th, 2012.
Additional remedial measures and or penalties may be determined by the Division of Enforcement.
. [KRS 224 70-110]

7 **Violation Description for Subject Item AIOO00000000448():**
Surface waters shall not be aesthetically or otherwise degraded. [401 KAR 10:031 Section 2]

Description of Non Compliance:
The waters of the Commonwealth have been degraded There are several pockets of settled sludge solids in the stream below the effluent outfall. There is a zone of darkened water near the bank below the effluent.

The remedial measure(s), and date(s) to be completed by are as follows:
Immediately cease all discharges that are aesthetically or otherwise degrading the waters of the Commonwealth. The effluent must be brought into compliance so as to eliminate stream degradation. You must submit a written plan detailing what corrective actions you will take to meet all of the regulatory and permit requirements. The written response is due in this office by no later than August 25th, 2012.
Additional remedial measures and or penalties may be determined by the Division of Enforcement.
. [401 KAR 10:031 Section 2]

Violations of the above cited statute(s) and/or regulation(s) are subject to a civil penalty per day per violation. Violations carry civil penalties of up to $25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

If you have questions or need further information, write or call the undersigned

Division of Water
Louisville Regional Office
9116 Leesgate Rd
Louisville, KY 40222-5084
502-429-7122 (8:00 AM – 4:30 PM)
Mr. Brad Trivette, Environmental Inspector III

Brad Trivette

Issued By: _____
Mr. Brad Trivette Environmental Inspector III
Date: July 24, 2012

How Delivered: Certified. Certified/Registered # 7010 1060 0000 9371 7149

HAZELRIGG & COX, LLP
ATTORNEYS AT LAW
415 WEST MAIN STREET, SUITE 1
P.O. BOX 676
FRANKFORT, KENTUCKY 40602-0676

JOHN B. BAUGHMAN
ROBERT C. MOORE
THOMAS J. HELLMANN

DYKE L. HAZELRIGG (1881-1970)
LOUIS COX (1907-1971)

FAX: (502) 875-7158
TELEPHONE: (502) 227-2271

September 14, 2012

Via Hand Delivery
Mr. Philip Kejzlar
Department of Environmental Protection
Division of Enforcement
300 Fair Oaks Lane
Frankfort, KY 40601

Re: Case No. DOW100134
Activity No. ERF20110001
Permit No. KY0038610
AI No. 338
AI Name: Hunters Hollow Subdivision WWTP
Bullitt County

Dear Mr. Kejzlar:

Your letter of August 1, 2012, to Carroll Cogan indicated that Hunters Hollow "shall be required to pay a civil penalty of $15,000". Hunters Hollow requests that the civil penalty be reduced to $5,000 and probated based upon the completion of the work set forth in the Corrective Action Plan (submitted by separate letter) and the completion of the I&I study within approximately one hundred and eighty (180) days. The I&I study will be performed by Martins Pipeline in phases. Martins Pipeline has been requested to begin the first phase, which should begin in the next several weeks, with each succeeding phase to begin upon the completion of the prior phase. The I&I study is expected to cost approximately thirty thousand dollars ($30,000).

As is reflected in Attachment A, in 2011 and 2012, Hunters Hollow has spent in excess of $22,000 in purchasing new pumps for the Hunters Hollow system (See invoices issued by Camden Environmental Sales, Inc., and Quality Electric Motors), in excess of $12,747 in purchasing new blowers and related equipment (See invoices issued by Republic Pneumatics) and in excess of $4,600 in purchasing new diffuser drops (See invoice issued by Covered Bridge Utilities). During this same time frame, Hunters Hollow also spent in excess of $14,000 in sludge removal (See invoices of Okolona Septic Tank Service, Headden Septic and Environmental Services and Bullitt Septic Service: Attachment B), and in excess of $15,000 in cleaning sludge that was discharged to the receiving stream (See invoices issued by Nu-Way Rental and Sales and Bullitt Septic Service: Attachment B). The extraordinary sludge removal expenses were caused by the I&I into the Hunters Hollow collection system. Of course, the above described extraordinary expenses were in addition to the normal operating and maintenance costs incurred by Hunters Hollow.

In light of the fact that Hunters Hollow is moving forward with the costly I&I study and has spent in excess of $38,000 in paying for new pumps, blowers and related equipment and diffuser drops, Hunters Hollow does not believe the $15,000 penalty is appropriate. This is particularly true where Hunters Hollow has spent almost $30,000 in removal of sludge and will be spending approximately $30,000 to pay for the I&I study.

Because Hunters Hollow has limited financial resources, its resources should be used to make repairs and upgrades to the WWTP and collection system and to pay the cost of the I&I study. The requirement to pay a civil penalty in the amount of $15,000 would be counterproductive. The payment of a civil penalty would make it more difficult for Hunters Hollow to make any needed upgrades to its WWTP and collection system, to properly operate and maintain the system and to obtain the needed I&I study. Of course, the probating of the penalty would enable your office to ensure that the I&I study is completed in a timely manner.

Please note that inquiries have been made to the Bullitt County Sanitation District to see if it is interested in the ownership of Hunters Hollow system. At this time, it is not interested. I would also point out that I&I issues are not unique to Hunters Hollow, as the Louisville and Jefferson County Metropolitan Sewer District, the City of Lexington and the City of Frankfort, as well as the vast majority of owners of municipal sewer systems, are also dealing with I&I issues. It is my understanding that the cost of making repairs and upgrades to these systems has been taken into consideration in imposing fines, despite the fact that cities and urban county governments can raise rates or obtain funds through the issuance of bonds without the supervision of the PSC. Of course, Hunters Hollow does not have this ability. Again, Hunters Hollow believes that the issuance of a civil penalty would work to the detriment of the operation of its WWTP and collection system, instead of its improvement.

Thank you for your attention to this matter.

Yours truly,

Robert C. Moore

/RCM
Attachments

HAZELRIGG & COX, LLP
ATTORNEYS AT LAW
415 WEST MAIN STREET, SUITE 1
P.O. BOX 676
FRANKFORT, KENTUCKY 40602-0676

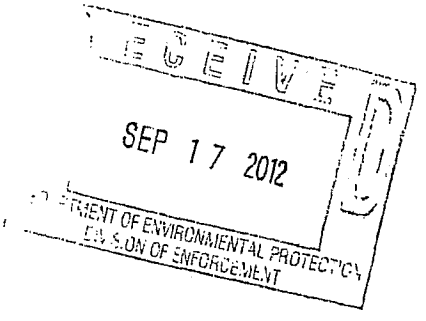
JOHN B. BAUGHMAN
ROBERT C. MOORE
THOMAS J. HELLMANN

DYKE L. HAZELRIGG (1881-1970)
LOUIS COX (1907-1971)

FAX: (502) 875-7158
TELEPHONE: (502) 227-2271

September 14, 2012

Via Hand Delivery
Mr. Philip Kejzlar
Department of Environmental Protection
Division of Enforcement
300 Fair Oaks Lane
Frankfort, KY 40601



Re: Case No: DOW 110134
Activity No. ERF20110001
Permit No. KY0038610
AI No. 448
AI Name: Hunters Hollow Subdivision
Bullitt County

Dear Mr. Kejzlar:

The following information is provided in response to your post conference letter dated August 1, 2012. The remedial measures and conditions will be addressed in the order set forth in your letter.

Reporting of Spills, Bypass Discharges, Upset Condition Discharges or the Release of Substances from the Facility: It has been the practice of Hunters Hollow and the operator, Covered Bridge Utilities, Inc., to report all spills, bypasses and upsets as required by the cited Kentucky regulations and statute. Bypasses and discharges are reported using a DOW Bypass Report, copy attached. The report is completed and sent by facsimile to the DOW at 502-564-5043 within 24 hours of the occurrence. The end report is sent within 5 days of the conclusion of the spill, bypass or upset. This has been the reporting method used for a number of years and the DOW appears to have been satisfied with this method. This reporting method provides a paper trail and DOW personnel have indicated that this method is the preferred method. This method also complies with the requirements of 401 KAR 5:015, which encourages written reports.

Please let me know if you believe that initial reports must be reported by telephone. Additionally, let me add that Hunters Hollow is working to provide e-notification within the next thirty (30) days.

Operation and Maintenance of WWTP: Covered Bridge Utilities, as the contract operator, visits the referenced facility and its remote lift stations seven (7) days a

week. In addition, Larry Smither personally makes periodic visits to the plant. The operator of record is Shane Goldsmith and he is a certified class II operator in the State of Kentucky. Mr. Smither is also a class II operator in Kentucky. During each and every visit to the WWTP, the date, time and everything that was done during the visit, as well as a description of the condition of the WWTP plant and its effluent, is entered into the log book kept at the plant. An inspection report sheet is also kept at the WWTP for the operator to enter the plant test results as well as the daily flow readings.

Corrective Action Plan: Hunters Hollow would like to emphasize that it is making a constant daily effort to operate this WWTP in compliance with the applicable regulations and its KPDES permit. As indicated above, the operator is at the WWTP seven (7) days a week, checking equipment, performing in-plant tests, making process control adjustments, cleaning, making repairs that can be made by the operator and calling in a technician to perform other repairs.

Hunters Hollow would also like to bring to your attention all the repairs and improvements that have been made in the system in the last 12 months. Enclosed for your review is a copy of the letter dated July 31, 2012, that was previously sent to you listing these repairs and improvements. A review of this list of improvements and upgrades should confirm that Hunters Hollow is committed to providing a properly operated and maintained facility. At present all equipment at the treatment plant and the two lift stations are in good operational order. But with any system its age, things can change when least expected. If the need arises the issue will be dealt with immediately.

In addressing the issue of infiltration/inflow ("I&I"), Hunters Hollow has received bids to perform a video survey of the sewers in the Hunters Hollow sewer system in order to locate the sources of the I&I. Based on cash flow, Hunters Hollow will be authorizing the video survey to be done in phases. The contractor, Martins Pipeline, has been requested to begin the I&I study, and will start the first phase in the next couple of weeks.

The first phase of the survey will include a good part of the original first phase of the Hunters Hollow development. This first phase of the video survey should take approximately two (2) weeks to complete. When complete, the findings will be reviewed and repairs made, if needed, or the contractor will proceed to the next phase of the survey right away. Because this is the oldest section of the collection system, the contractor may locate some breaks, separations, etc., that when repaired, would eliminate a substantial amount of I&I into the collection system.

When making the monthly progress reports as required by your August 1, 2012, letter, Hunters Hollow will keep you informed of its progress and the next step or steps taken, and the dates of same.

I hope that you will find this response to be complete, and please contact me if you need any additional information concerning this WWTP and collection system.

Yours truly,

Robert C. Moore

/RCM
Attachments

Covered Bridge Utilities, Inc.
P.O. Box 91588
Louisville, Kentucky 40291
502-241-4809

December 11, 2012

DEC 14 2012

Mr. Philip Kejzlar
Department of Environmental Protection
Division of Enforcement
300 Fair Oaks Lane
Frankfort, KY 40601

Re:

December Progress Report
Case No: DOW 110134
Activity No. ERF20110001
Permit No. KY0038610
AI No. 448
AI Name: Hunters Hollow Subdivision
Bullitt County

Dear Mr. Kejzlar:

I will start this report by saying that Bullitt Utilities dba Hunters Hollow continues a daily, diligent effort to properly operate its facilities and keep it in compliance with its KPDES permit. Covered Bridge Utilities, Inc., continues to be the company that operates and maintains the treatment plant and the lift stations. The personnel with Covered Bridge make a constant, daily effort to carry out its responsibilities in a consistent, professional manor.

To update you on the progress made on those items that were in the Corrective Action Plan, it is a follows:

1. Martin's Pipeline Inspection, located in Paris, Kentucky, was the company that was contracted to perform the first phase of the video survey in the Hunters Hollow subdivision. Due to their work load, they were not able to start on this project until the first week of October and could not stay on it until they could

complete this first phase of the survey. They worked in Hunters Hollow one or two days a week and did complete the survey in the middle of November.

I have received copies of their very detailed written report and the CD that actually shows the video of the sewer mains. I have not had time yet to review the entire report but I am working on it. It does show areas, that when repaired, would certainly help reduce some of the I/I.

Within the next couple of weeks I will meet with Mr. Carroll Cogan, owner of this utility, to get from him how he wants to proceed with repairs and or additional video survey work. I should be able to report this to you in the next progress report.

If you have questions or need additional information please let me know. Please keep in mind that this is the first progress report and maybe it doesn't include everything that you feel that it should.

Sincerely,

Lawrence W. Smither

STEVEN L. BESHEAR
GOVERNOR

LEONARD K. PETERS
SECRETARY

ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF WATER
9116 LEESGATE ROAD
LOUISVILLE KY 40222-5004
www.kentucky.gov

March 27, 2013

Mr. Carroll Cogan
9505 Williamsburg Plaza
Suite 200
Louisville, Ky. 40222

Re: Notice of Violation
AI ID: 448
AI Name: Hunters Hollow Subd
Activity ID: ENV20120002
Permit No. KY0038610
Bullitt County, KY

Dear Mr. Cogan:

On July 25, 2012, the Division of Water issued Hunters Hollow Subd a Notice of Violation (NOV). The Louisville Regional Office appreciates Hunters Hollow Subd's efforts to address the compliance issues raised by the NOV The actions taken by Hunters Hollow Subd in response to the NOV are considered sufficient at this time with regard to the violations listed in the NOV. The Cabinet reserves its rights under KRS Chapter 224 and its administrative regulations to undertake such enforcement action hereafter as it deems appropriate, which may include consideration of the compliance issues addressed by the NOV. If you have any questions, please feel free to contact me at 502-429-7122

Sincerely,

Brad Trivette

Mr. Brad Trivette
Inspector III

c: Regional Office
Main File

7/2/13

STEVEN L. BESHEAR
GOVERNOR

LEONARD K. PETERS
SECRETARY

ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
Division of Water
9116 Leesgate Rd
Louisville, KY 40222-5084
www.kentucky.gov

July 2, 2013

Certified No 7005 0390 0003 0864 0384
Return Receipt Requested

Bullitt Utilities Inc.
Larry Smither
P O. Box 91588
Louisville, KY. 40291

Re: Notice of Violation
AI ID: 448
AI Name Hunters Hollow Subd
Activity ID: ENV20130001
Permit No. KY0038610
Bullitt County, KY

Dear Mr. Smither:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility on 6/5/13 Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Your cooperation and attention to this matter is appreciated. If you have any questions, please contact me at 502-429-7122.

Sincerely,

Brad Trivette

Mr. Brad Trivette,
Environmental Inspector III
Division of Water

Enclosure

COMMONWEALTH OF KENTUCKY
ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
Division of Water

NOTICE OF VIOLATION

To: Bullitt Utilities Inc.
Larry Smither
P.O. Box 91588
Louisville, KY. 40291

AI Name: Hunters Hollow Subd **AI ID:** 448 **Activity ID:** ENV20130001
Discovery ID: CIV20130001 **County:** Bullitt
Enforcement Case ID:
Date(s) Violation(s) Observed: 06/05/2013

This is to advise that you are in violation of the provisions cited below:

1 **Violation Description for Subject Item AIOO0000000448():**
The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. [401 KAR 5:065 Section 2(1)] as in [40 C.F.R. 122.41(l)6)].

Description of Non Compliance:
The facility has failed to report spills, bypasses and/or non-compliance as required by 401 KAR 5:065 Section 2(1).

The remedial measure(s), and date(s) to be completed by are as follows:
The permittee must report spills, bypasses and non-compliance as required by 401 KAR 5:065 Section 2(1). Within thirty (30) days of the receipt of this notice, the permittee shall submit a written notification to the undersigned that the permittee complies with all requirements of its permit. Any permit non-compliance shall constitute a violation of the Clean Water Act and KRS 224, among which shall be the following remedies: Enforcement action, permit revocation, revocation and reissuance, or modification; or denial of permit renewal application. Failure to comply with the remedial measures or repeated violations of this requirement may subject you and or your company to an immediate referral to the Division of Enforcement. [401 KAR 5:065 Section 2(1)]

2 **Violation Description for Subject Item AIOO0000000448():**
Whenever, by reason of emergency or accident, a spill or discharge occurs which results in pollution of the waters of the Commonwealth, the Division of Water shall be notified by the most rapid means available. [401 KAR 5:015 Section 2]

Description of Non Compliance:
The responsible party/permittee has failed to report the spill or discharge to the Division of Water as required.

The remedial measure(s), and date(s) to be completed by are as follows:
All future spills/bypasses, which would result in or contribute to the pollution of the waters, must be reported to the Division of Water by the most rapid means available. Failure to comply with the remedial measures or repeated violations of this requirement may subject you and/or your company to an immediate

referral to the Division of Enforcement. [401 KAR 5:015 Section 2]

3 **Violation Description for Subject Item AIOO00000000448():**
Proper Operation and Maintenance. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control and related appurtenances which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls, and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit. [401 KAR 5:065 Section 2(1)] [40 CFR 122.41(e)]

Description of Non Compliance:
The facility is not being properly operated and maintained as required. The plant is still having issues with losing sewer solids to the stream. Self monitoring and prompt effective cleaning of the stream continues to be a problem.
The request to have the stream cleaned had to be made by the Division of Water Inspector once again.

The remedial measure(s), and date(s) to be completed by are as follows:
Immediately remove all settled sewer solids from the stream. This should be done whenever the sewer plant losing excessive solids to the stream.
The permittee must, at all times, properly operate & maintain the facility. With proper approval(s) from the Division of Water, upgrade/update the facility in order to meet the regulatory requirements and facility permit conditions. Within thirty (30) days of the receipt of this notice, the permittee shall submit a written notification to the undersigned that the permittee complies with all requirements of its permit. The written notification should contain documentation of the stream cleaning. The documentation needs to include a receipt from the Septic Co , dates and cost of the stream cleaning. Failure to comply with the remedial measures or repeated violations of this requirement may subject you and/or your company to an immediate referral to the Division of Enforcement. [401 KAR 5:065 Section 2(1)]

4 **Violation Description for Subject Item AIOO00000000448():**
No person shall directly, or indirectly, throw, drain, run or otherwise discharge into any of the waters of the Commonwealth, or cause, permit or suffer to be thrown, drained, run otherwise discharged into such waters any pollutant, or any substance that shall cause or contribute to the pollution of the waters of the commonwealth in contravention of the standards adopted by the cabinet or in contravention of any of the rules, regulations, permits, or orders of the cabinet or in contravention of any of the provisions of this chapter. [KRS 224.70-110]

Description of Non Compliance:
Pollutants have entered and contributed to the pollution of the waters of the Commonwealth.
There were 1-2 inch sludge deposits in the receiving stream before the junction with the other stream.
There were also heavy sludge deposits in the main stream.

The remedial measure(s), and date(s) to be completed by are as follows:
Immediately cease all activity, which is contributing or has contributed to the pollution of the waters of the Commonwealth. Within thirty (30) days of the receipt of this notice, the permittee/responsible party shall submit a plan of action and a schedule of implementation to the undersigned describing the necessary measures taken to address the non-compliance Failure to comply with the remedial measures or repeated violations of this requirement may subject you and or your company to an immediate referral to the Division of Enforcement. [KRS 224 70-110]

5 **Violation Description for Subject Item AIOO00000000448():**
Surface waters shall not be aesthetically or otherwise degraded [401 KAR 10:031 Section 2]

Description of Non Compliance:
The waters of the Commonwealth have been degraded Pollutants have entered and contributed to the pollution of the waters of the Commonwealth.
There were 1-2 inch sludge deposits in the receiving stream before the junction with the other stream.

There were also heavy sludge deposits in the main stream.

The remedial measure(s), and date(s) to be completed by are as follows:
Immediately cease all discharges that are aesthetically or otherwise degrading the waters of the Commonwealth. The effluent must be brought into compliance so as to eliminate stream degradation. Within thirty (30) days of the receipt of this notice, the permittee/responsible party shall submit a plan of action and a schedule of implementation to the undersigned describing the necessary measures taken to address the non-compliance. Failure to comply with the remedial measures or repeated violations of this requirement may subject you and or your company to an immediate referral to the Division of Enforcement. [401 KAR 10.031 Section 2]

Violations of the above cited statute(s) and/or regulation(s) are subject to a civil penalty per day per violation. Violations carry civil penalties of up to $25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

If you have questions or need further information, write or call the undersigned:

Division of Water
Louisville Regional Office
9116 Leesgate Rd
Louisville, KY 40222-5084
502-429-7122 (8:00 AM – 4:30 PM)
Mr. Brad Trivette, Environmental Inspector III

Brad Trivette

Issued By: _____
Mr. Brad Trivette,
Date: July 2, 2013 Environmental Inspector III

Charles A. Roth

Issued By: _____
Mr. Charles Roth, Environmental Control Supervisor
Date: July 2, 2013

How Delivered: Certified Certified/Registered # 7005 0390 0003 0864 0384

10/12/12

STEVEN L. BESHEAR
GOVERNOR

LEONARD K. PETERS
SECRETARY

ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
Division of Water
9116 Leesgate Rd
Louisville, KY 40222-5084
www.kentucky.gov

November 12, 2013

Certified No. 7011 1150 0001 2003 3946
Return Receipt Requested

Covered Bridge Utilities
Lawrence W Smither, Manager
PO Box 137
Crestwood (Oldham), KY 40014

Re Notice of Violation
AI ID: 448
AI Name: Hunters Hollow Subd
Activity ID: ENV20130002
Permit No. KY0038610
Bullitt County, KY

Dear Mr. Smither:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility on 10/25/13. This investigation was performed in response to a citizens complaint.

Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Your cooperation and attention to this matter is appreciated. If you have any questions, please contact me at 502-429-7122.

Sincerely,

Brad Trivette

Mr. Brad Trivette,
Environmental Inspector III
Division of Water

Enclosure

COMMONWEALTH OF KENTUCKY
ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
Division of Water

NOTICE OF VIOLATION

To Covered Bridge Utilities
Lawrence W Smither, Manager
PO Box 137
Crestwood (Oldham), KY 40014

AI Name: Hunters Hollow Subd **AI ID:** 448 **Activity ID:** ENV20130002
Discovery ID: CIV20130002 **County:** Bullitt
Enforcement Case ID:
Date(s) Violation(s) Observed: 10/25/2013

This is to advise that you are in violation of the provisions cited below:

1 **Violation Description for Subject Item AIOO00000000448():**
The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. 401 KAR 5:065 Section 2(1)] as in [40 C.F.R. 122.41(l)(6)].

Description of Non Compliance:
The facility has failed to report spills, bypasses and/or non-compliance as required by 401 KAR 5:065 Section 2(1). There was a report of an overflow of raw sewage on 10/ 10/13. The report did not mention the loss of large amounts of sludge solids. Indications are the sewer sludge is from another incident that was not reported.

The remedial measure(s), and date(s) to be completed by are as follows:
The permittee must report spills, bypasses and non-compliance as required by 401 KAR 5:065 Section 2(1). Within thirty (30) days of the receipt of this notice, the permittee shall submit a written notification to the undersigned that the permittee complies with all requirements of its permit. Any permit non-compliance shall constitute a violation of the Clean Water Act and KRS 224, among which shall be the following remedies: Enforcement action, permit revocation, revocation and reissuance, or modification, or denial of permit renewal application. Failure to comply with the remedial measures or repeated violations of this requirement may subject you and or your company to an immediate referral to the Division of Enforcement. [401 KAR 5:065 Section 2(1)]

2 **Violation Description for Subject Item AIOO00000000448():**
Whenever, by reason of emergency or accident, a spill or discharge occurs which results in pollution of the waters of the Commonwealth, the Division of Water shall be notified by the most rapid means available. [401 KAR 5:015 Section 2]

Description of Non Compliance:
The responsible party/permittee has failed to report the spill or discharge to the Division of Water as required. The facility has failed to report spills, bypasses and/or non-compliance as required by 401 KAR 5:065 Section 2(1). There was a report of an overflow of raw sewage on 10/ 10/13. The report did not mention the loss of sewer sludge. Indications are the sewer sludge is from another incident that was not reported.

The remedial measure(s), and date(s) to be completed by are as follows:
All future spills/bypasses, which would result in or contribute to the pollution of the waters, must be reported to the Division of Water by the most rapid means available. Failure to comply with the remedial measures or repeated violations of this requirement may subject you and/or your company to an immediate referral to the Division of Enforcement. [401 KAR 5:015 Section 2]

3 **Violation Description for Subject Item AIOO0000000448():**
Proper Operation and Maintenance. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control and related appurtenances which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls, and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit. [401 KAR 5:065 Section 2(1)] as in [40 CFR 122.41(e)].

Description of Non Compliance:
The facility is not being properly operated and maintained as required. The stream is full of aging sewer solids for several 100 yards. All the way past the Blue Lick Rd bridge. If any efforts have been made to remove sewer waste from the stream they have been very inadequate.

The remedial measure(s), and date(s) to be completed by are as follows:
The permittee must, at all times, properly operate & maintain the facility. With proper approval(s) from the Division of Water, upgrade/update the facility in order to meet the regulatory requirements and facility permit conditions. Within thirty (30) days of the receipt of this notice, the permittee shall submit a written notification to the undersigned that the permittee complies with all requirements of its permit. Failure to comply with the remedial measures or repeated violations of this requirement may subject you and/or your company to an immediate referral to the Division of Enforcement. [401 KAR 5:065 Section 2(1)]

4 **Violation Description for Subject Item AIOO0000000448():**
No person shall directly, or indirectly, throw, drain, run or otherwise discharge into any of the waters of the Commonwealth, or cause, permit or suffer to be thrown, drained, run otherwise discarged into such waters any pollutant, or any substance that shall cause or contribute to the pollution of the waters of the commonwealth in contravention of the standards adopted by the cabinet or in contravention of any of the rules, regulations, permits, or orders of the cabinet or in contravention of any of the provisions of this chapter. [KRS 224.70-110]

Description of Non Compliance:
Pollutants have entered and contributed to the pollution of the waters of the Commonwealth. The stream is full of aging sewer solids for several 100 yards. All the way past the Blue Lick Rd. bridge.

The remedial measure(s), and date(s) to be completed by are as follows:
Immediately cease all activity, which is contributing or has contributed to the pollution of the waters of the Commonwealth. Within thirty (30) days of the receipt of this notice, the permittee/responsible party shall submit a plan of action and a schedule of implementation to the undersigned describing the necessary measures taken to address the non-compliance. Failure to comply with the remedial measures or repeated violations of this requirement may subject you and or your company to an immediate referral to the Division of Enforcement. [KRS 224.70-110]

5 **Violation Description for Subject Item AIOO0000000448():**
Surface waters shall not be aesthetically or otherwise degraded. [401 KAR 10:031 Section 2]

Description of Non Compliance:
The waters of the Commonwealth have been degraded. The stream is full of aging sewer solids for several 100 yards. All the way past the Blue Lick Rd. bridge.

The remedial measure(s), and date(s) to be completed by are as follows:
Immediately cease all discharges that are aesthetically or otherwise degrading the waters of the

Commonwealth. The effluent must be brought into compliance so as to eliminate stream degradation. Within thirty (30) days of the receipt of this notice, the permittee/responsible party shall submit a plan of action and a schedule of implementation to the undersigned describing the necessary measures taken to address the non-compliance Failure to comply with the remedial measures or repeated violations of this requirement may subject you and or your company to an immediate referral to the Division of Enforcement. [401 KAR 10:031 Section 2]

Violations of the above cited statute(s) and/or regulation(s) are subject to a civil penalty per day per violation. Violations carry civil penalties of up to $25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

If you have questions or need further information, write or call the undersigned:

Division of Water
Louisville Regional Office
9116 Leesgate Rd
Louisville, KY 40222-5084
502-429-7122 (8:00 AM – 4:30 PM)
Mr Brad Trivette Environmental Inspector III

Brad Trivette

Issued By: _____
Mr. Brad Trivette, Environmental Inspector III
Date: November 12, 2013

Charles A. Roth

Issued By _____
Mr. Charles Roth, Environmental Control Supervisor
Date: November 12, 2013

How Delivered: Certified Certified/Registered # 7011 1150 0001 2003 3946

4/2/14

STEVEN L. BESHEAR
GOVERNOR

LEONARD K. PETERS
SECRETARY

ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION

Division of Water
9116 Leesgate Rd
Louisville, KY 40222-5084
www kentucky.gov

April 2, 2014

Certified No. 7011 1150 0001 2003 4059
Return Receipt Requested

Carroll Cogan
Bullitt Utilities, Inc. dba Hunters Hollow
P. O. Box 91588
Louisville, KY 40291

Re: Notice of Violation
AI ID: 448
AI Name: Hunters Hollow Subd
Activity ID: ENV20140001
Permit No. KY0038610
Bullitt County, KY

Dear Mr. Cogan:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility on Saturday March 29, 2014. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Be aware that the response to this Notice of Violation is due by **April 9, 2014.**

Your cooperation and attention to this matter is appreciated. If you have any questions, please contact me at 502 429-7122.

Sincerely,

Charles A. Roth

Mr. Charlie Roth,
Environmental Control Supervisor
Division of Water

Enclosure

COMMONWEALTH OF KENTUCKY
ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
Division of Water

NOTICE OF VIOLATION

To: Carroll Cogan
Bullitt Utilities, Inc. dba Hunters Hollow
P. O. Box 91588
Louisville, KY 40291

AI Name: Hunters Hollow Subd **AI ID:** 448 **Activity ID:** ENV20140001
Discovery ID: CIV20140001 **County:** Bullitt
Enforcement Case ID:
Date(s) Violation(s) Observed: 03/29/2014

This is to advise that you are in violation of the provisions cited below:

1 **Violation Description for Subject Item AIOO00000000448():**
Applicability. (1) A facility that receives an influent that is biochemically degradable and discharges into waters of the Commonwealth shall provide a minimum of secondary treatment to that influent prior to its discharge. (2) A facility subject to treatment requirements established in 401 KAR 5:080, Section 2 shall be exempt from the requirements of this administrative regulation. [401 KAR 5:045 Section 1]

Description of Non Compliance:
Failure to provide secondary treatment to an influent that is biochemically degradable and discharges into waters of the Commonwealth. A catastrophic failure of the treatment facility components has resulted in the loss of all treatment capability.

The remedial measure(s), and date(s) to be completed by are as follows:
A minimum of secondary treatment shall be provided as quickly as possible. A corrective action plan shall be submitted to the undersigned **by April 9, 2014** detailing the actions taken to comply with this requirement. [401 KAR 5:045 Section 1]

2 **Violation Description for Subject Item AIOO00000000448():**
Proper Operation and Maintenance. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control and related appurtenances which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls, and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit. [401 KAR 5:065 Section 2(1)] as in [40 CFR 122.41(e)].

Description of Non Compliance:
The facility is not being properly operated and maintained as required. The lack of proper operation and maintenance of an aging facility known to be greater than 30 years old, has contributed to the collapse of the structure resulting in the loss of all treatment capability.

The remedial measure(s), and date(s) to be completed by are as follows:
The permittee must, at all times, properly operate & maintain the facility. With proper approval(s) from the Division of Water, upgrade/update the facility in order to meet the regulatory requirements and facility permit conditions. **By April 9, 2014**, the permittee shall submit a written notification to the undersigned that the permittee complies with all requirements of its permit. Failure to comply with the remedial measures or repeated violations of this requirement may subject you and/or your company to an immediate referral to the Division of Enforcement. [401 KAR 5:065 Section 2(1)]

3 Violation Description for Subject Item AIOO00000000448():
No person shall directly, or indirectly, throw, drain, run or otherwise discharge into any of the waters of the Commonwealth, or cause, permit or suffer to be thrown, drained, run otherwise discharged into such waters any pollutant, or any substance that shall cause or contribute to the pollution of the waters of the commonwealth in contravention of the standards adopted by the cabinet or in contravention of any of the rules, regulations, permits, or orders of the cabinet or in contravention of any of the provisions of this chapter. [KRS 224.70-110]

Description of Non Compliance:
Pollutants have entered and contributed to the pollution of the waters of the Commonwealth. A catastrophic failure of the treatment facility has caused untreated sewage to be discharged to an unnamed tributary to Brooks Run.

The remedial measure(s), and date(s) to be completed by are as follows:
Immediately cease all activity, which is contributing or has contributed to the pollution of the waters of the Commonwealth. **By April 9, 2014,** the permittee/responsible party shall submit a plan of action and a schedule of implementation to the undersigned describing the necessary measures taken to address the non-compliance. Failure to comply with the remedial measures or repeated violations of this requirement may subject you and or your company to an immediate referral to the Division of Enforcement. [KRS 224.70-110]

4 Violation Description for Subject Item AIOO00000000448():
Surface waters shall not be aesthetically or otherwise degraded. [401 KAR 10:031 Section 2]

Description of Non Compliance:
The waters of the Commonwealth have been degraded. A catastrophic failure of the treatment facility has caused untreated sewage to be discharged to an unnamed tributary to Brooks Run.

The remedial measure(s), and date(s) to be completed by are as follows:
Immediately cease all discharges that are aesthetically or otherwise degrading the waters of the Commonwealth. The effluent must be brought into compliance so as to eliminate stream degradation. **By April 9, 2014** the permittee/responsible party shall submit a plan of action and a schedule of implementation to the undersigned describing the necessary measures taken to address the non-compliance. Failure to comply with the remedial measures or repeated violations of this requirement may subject you and or your company to an immediate referral to the Division of Enforcement. [401 KAR 10:031 Section 2]

5 Violation Description for Subject Item AIOO00000000448():
The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Clean Water Act and KRS 224 and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. [401 KAR 5:065 Section 2] as in [40 C.F.R. 122.41(a)].

Description of Non Compliance:
The facility has failed to comply with the terms of the permit. A catastrophic failure of the treatment facility has caused untreated sewage to be discharged to an unnamed tributary to Brooks Run. The lack of proper operation and maintenance of an aging facility known to be greater than 30 years old, has contributed to the collapse of the structure resulting in the loss of all treatment capability. Thereby rendering the facility incapable of meeting all permit conditions and limitations.

The remedial measure(s), and date(s) to be completed by are as follows:
Comply with all conditions of the KPDES permit. Upon commencement of a discharge from the temporary treatment facility, the permittee must collect samples in regard to KPDES permit conditions. For the weeks of April 7 and April 14, 2014 the sample frequency shall be twice per week. Starting with the week of April 21, 2014 sampling shall be conducted in accordance with the KPDES permit requirements. All sample results shall be submitted to the undersigned at the Louisville Regional Office immediately upon receipt. In addition, all KPDES monitoring results shall continue to be submitted in accordance with the permit requirements. **By April 9, 2014** the permittee shall submit to the undersigned a long term action

plan detailing the actions to be taken and a schedule of completion, to have a permanent solution for the proper treatment of wastewater at this site. Failure to comply with the remedial measures or repeated violations of this requirement may subject you and/or your company to an immediate referral to the Division of Enforcement. [401 KAR 5:065 Section 2]

Violations of the above cited statute(s) and/or regulation(s) are subject to a civil penalty per day per violation. Violations carry civil penalties of up to $25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

If you have questions or need further information, write or call the undersigned:

Division of Water
Louisville Regional Office
9116 Leesgate Rd
Louisville, KY 40222-5084
502 425-4543 (8:00 AM – 4:30 PM)
Mr. Charlie Roth, Environmental Control Supervisor

Issued By: Charles A. Roth

Mr. Charlie Roth, Environmental Control Supervisor
Date: April 2, 2014

How Delivered: Hand Delivered and Certified Mail Certified/Registered # 7011 1150 0001 2003 4059

STEVEN L. BESHEAR
GOVERNOR

LEONARD K. PETERS
SECRETARY

ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF WATER
9116 LEESGATE ROAD
LOUISVILLE KY 40222-5004
www.kentucky.gov

April 17, 2014

Via email to RMoore@hazelcox.com
Mr. Robert Moore
Hazelrigg & Cox, LLP
Attorneys at Law
415 West Main Street, Suite 1
P.O. Box 676
Frankfort, KY 40602-0676

Re: Notice of Violation
AI ID: 448
AI Name: Hunters Hollow Subd
Activity ID: ENV20140001
Permit No. KY0038610
Bullitt County, KY

Dear Mr. Moore:

On April 2, 2014, the Division of Water issued Hunters Hollow Subd a Notice of Violation (NOV). On April 15, 2014 the Division received the response to this NOV and a Corrective Action Plan. At this time the Division feels the need to schedule a meeting to discuss the corrective action measures presented in this response.

This meeting has been scheduled for Monday April 21, 2014 at 1:30pm at Division of Water, 200 Fair Oaks Lane, 4th Floor, Frankfort, KY in Conference Room 204A.

If you have any questions, please feel free to contact me at 502-429-7122.

Sincerely,

E-Signed by Charles Roth
VERIFY authenticity with ApproveIt

Charles A. Roth
Environmental Control Supervisor
Division of Water

C: Bullitt Utilities, Inc.

HAZELRIGG & COX, LLP
ATTORNEYS AT LAW
415 WEST MAIN STREET, SUITE 1
P.O. BOX 676
FRANKFORT, KENTUCKY 40602-0676

JOHN B. BAUGHMAN
ROBERT C. MOORE
MARK R. BRENGELMAN

DYKE L. HAZELRIGG (1891-1970)
LOUIS COX (1907-1971)

FAX (502) 875-7155
TELEPHONE (502) 227-2271

April 15, 2014

Via Facsimile: 502-429-7125
Charles Roth
Commonwealth of Kentucky
Division of Water
9116 Leesgate Road
Louisville, Kentucky 40222

Re: Bullitt Utilities, Inc. D/B/A Hunters Hollow ("Bullitt Utilities")
Response to Notice of Violation ("NOV") issued on April 2, 2014 and
Corrective Action Plan

Dear Mr. Roth:

The following is the response to the above-referenced NOV and contains Bullitt Utilities' Corrective Action Plan:

1. As the Division of Water has been informed, on March 29, 2014, the Hunters Hollow Wastewater Treatment Plant ("WWTP") suffered a catastrophic failure of the treatment facility components. The immediate corrective action taken in response to this failure was the installation of a temporary WWTP by Pecco, Inc., at the site of the Hunters Hollow WWTP on April 1 and 2, 2014. The Pecco temporary WWTP began treatment of wastewater on April 2, 2014, at approximately 6:00 p.m., and has been in operation since that time. The temporary WWTP had a design capacity of 160,000 gpd, but the capacity has since been modified to treat slightly in excess of 200,000 gpd. The normal flow from the Hunters Hollow collection system is between 180,000 gpd and 200,000 gpd. Accordingly, Bullitt Utilities has taken action to stop the discharge of untreated wastewater during normal conditions. Additionally, lime was spread on the soil impacted by the release, and the pumping of pockets of sludge from the tributary to Brooks Run was completed by Okolona Septic Service on March 31, 2014.

Bullitt Utilities is currently discussing the purchase of a 300,000 gpd WWTP that is owned by the Bullitt County Sanitation District ("BCSD"). This above-ground package treatment plant, after installation, would treat the flow from the Hunters Hollow collection system. Bullitt Utilities will keep you advised of the status of these discussions. Bullitt Utilities has retained Chris Crumpton with Bluestone Engineers PLLC to provide the engineering services needed to analyze the design of the 300,000 gpd to confirm that it will provide the needed treatment capacity and capability and the steps required to install same.

Bullitt Utilities is also working with the BCSD to pump approximately 60,000 gpd from the Hunters Hollow collection system into a BCSD lift station for treatment by the BCSD's Willabrook WWTP and BCSD Plant No. 3. The connection into the lift station has been made, but the pump in the lift station failed and will take approximately one week to replace.

Bullitt Utilities is also working with the BCSD to determine the most efficient long term solution to the issues raised by the failure of the Hunters Hollow WWTP. Options under review include the construction of the above-described 300,000 gpd and/or the redirection of the flow from the Hunters Hollow collection system into the BCSD's system. These discussions are ongoing.

2. Bullitt Utilities states that, prior to its failure, the Hunters Hollow WWTP was being properly operated and maintained by an operator licensed by the Commonwealth of Kentucky that has substantial experience in the operation and maintenance of wastewater treatment plants. This operation and maintenance is not believed to have caused or contributed to the failure of the Hunters Hollow WWTP, and Bullitt Utilities disputes the assertion in the NOV to the contrary.

The immediate corrective action taken in response to this failure was the installation of a temporary WWTP by Pecco, Inc., at the site of the Hunters Hollow WWTP on April 1 and 2, 2014. The Pecco temporary WWTP began treatment of wastewater on April 2, 2014, at approximately 6:00 p.m., and has been in operation since that time. The temporary WWTP had a design capacity of 160,000 , but the capacity has since been modified to treat slightly in excess of 200,000 gpd. The normal flow from the Hunters Hollow collection system is between 180,000 gpd and 200,000 gpd 180,000 gpd. The Pecco temporary WWTP is being manned on a 24 hour a day basis to ensure that it is operating properly. The operation of the temporary WWTP is also reviewed by an operator licensed by the Commonwealth of Kentucky that has substantial experience in the operation and maintenance of wastewater treatment plants.

Bullitt Utilities is currently discussing the purchase of a 300,000 gpd WWTP that is owned by the Bullitt County Sanitation District ("BCSD"). This above-ground package treatment plant would treat the flow from the Hunters Hollow collection system. Bullitt Utilities will keep you advised of the status of these discussions. Bullitt Utilities has retained Chris Crumpton with Bluestone Engineers PLLC to provide the engineering services needed to analyze the design of the 300,000 gpd to confirm that it will provide the needed treatment capacity and capability and the steps required to install same.

Bullitt Utilities is also working with the BCSD to pump approximately 60,000 gpd from the Hunters Hollow collection system into a BCSD lift station for treatment by the BCSD's Willabrook WWTP and BCSD Plant No. 3. The connection into the lift station has been made, but the pump in the lift station failed and will take approximately one week to replace.

Bullitt Utilities is also working with the BCSD to determine the most efficient long term solution to the issues raised by the failure of the Hunters Hollow WWTP. Options under review include the construction of the above-described 300,000 gpd and/or the redirection of the flow from the Hunters Hollow collection system into the BCSD's system. These discussions are ongoing.

3. The immediate corrective action taken in response to this failure was the installation of a temporary WWTP by Pecco, Inc., at the site of the Hunters Hollow WWTP on April 1 and 2, 2014. The Pecco temporary WWTP began treatment of wastewater on April 2, 2014, at approximately 6:00 p.m., and has been in operation since that time. The temporary WWTP had a

design capacity of 160,000 , but the capacity has since been modified to treat slightly in excess of 200,000 gpd. The normal flow from the Hunters Hollow collection system is between 180,000 gpd and 200,000 gpd. Accordingly, Bullitt Utilities has taken action to stop the discharge of untreated wastewater during normal conditions. Additionally, lime was spread on the soil impacted by the release, and the pumping of pockets of sludge from the tributary to Brooks Run was completed by Okolona Septic Service on March 31, 2014.

Bullitt Utilities is currently discussing the purchase of a 300,000 gpd WWTP that is owned by the Bullitt County Sanitation District ("BCSD"). This above-ground package treatment plant would treat the flow from the Hunters Hollow collection system. Bullitt Utilities will keep you advised of the status of these discussions. Bullitt Utilities has retained Chris Crumpton with Bluestone Engineers PLLC to provide the engineering services needed to analyze the design of the 300,000 gpd to confirm that it will provide the needed treatment capacity and capability and the steps required to install same.

Bullitt Utilities is also working with the BCSD to pump approximately 60,000 gpd from the Hunters Hollow collection system into a BCSD lift station for treatment by the BCSD's Willabrook WWTP and the BCSD Plant No. 3. The connection into the lift station had been made, but the pump in the lift station failed and will take approximately one week to replace.

Bullitt Utilities is also working with the BCSD to determine the most efficient long term solution to the issues raised by the failure of the Hunters Hollow WWTP. Options under review include the construction of the above-described 300,000 gpd and/or the redirection of the flow from the Hunters Hollow collection system into the BCSD's system. These discussions are ongoing.

Bullitt Utilities will provide a schedule to implement the permanent solution to the failure of the Hunters Hollow WWTP after the solution has been determined.

4. The immediate corrective action taken in response to this failure was the installation of a temporary WWTP by Pecco, Inc., at the site of the Hunters Hollow WWTP on April 1 and 2, 2014. The Pecco temporary WWTP began treatment of wastewater on April 2, 2014, at approximately 6:00 p.m., and has been in operation since that time. The temporary WWTP had a design capacity of 160,000 , but the capacity has since been modified to treat slightly in excess of 200,000 gpd. The normal flow from the Hunters Hollow collection system is between 180,000 gpd and 200,000 gpd. Accordingly, Bullitt Utilities has taken action to stop the discharge of untreated wastewater during normal conditions. Additionally, lime was spread on the soil impacted by the release, and the pumping of pockets of sludge from the tributary to Brooks Run was completed by Okolona Septic Service on March 31, 2014.

Bullitt Utilities is currently discussing the purchase of a 300,000 gpd WWTP that is owned by the Bullitt County Sanitation District ("BCSD"). This above-ground package treatment plant would treat the flow from the Hunters Hollow collection system. Bullitt Utilities will keep you advised of the status of these discussions.

Bullitt Utilities is also working with the BCSD to pump approximately 60,000 gpd from the Hunters Hollow collection system into a BCSD lift station for treatment by the BCSD's Willabrook WWTP and BCSD Plant No. 3. The connection into the lift station has been made, but the pump in the lift station failed and will take approximately one week to replace.

Bullitt Utilities is also working with the BCSD to determine the most efficient long term solution to the issues raised by the failure of the Hunters Hollow WWTP. Options under review include the construction of the above-described 300,000 gpd and/or the redirection of the flow from the Hunters Hollow collection system into the BCSD's system. These discussions are ongoing.

Bullitt Utilities will collect samples for analysis as set forth in its KPDES permit on a two-times per week basis. To the extent possible, starting with the week of April 21, 2014, sampling shall be conducted in accordance with the KPDES permit requirements. Sample results will be submitted to the Louisville Regional Office upon receipt, and in accordance with the KPDES permit requirements.

Bullitt Utilities will provide a schedule to implement the permanent solution to the failure of the Hunters Hollow WWTP after the solution has been determined.

5. Bullitt Utilities states that, prior to its failure, the Hunters Hollow WWTP was being properly operated and maintained by an operator licensed by the Commonwealth of Kentucky that has substantial experience in the operation and maintenance of wastewater treatment plants. This operation and maintenance is not believed to have caused or contributed to the failure of the Hunters Hollow WWTP, and Bullitt Utilities disputes the assertion in the NOV to the contrary.

The immediate corrective action taken in response to this failure was the installation of a temporary WWTP by Pecco, Inc., at the site of the Hunters Hollow WWTP on April 1 and 2, 2014. The Pecco temporary WWTP began treatment of wastewater on April 2, 2014, at approximately 6:00 p.m., and has been in operation since that time. The temporary WWTP had a design capacity of 160,000 , but the capacity has since been modified to treat slightly in excess of 200,000 gpd. The normal flow from the Hunters Hollow collection system is between 180,000 gpd and 200,000 gpd.

Bullitt Utilities is currently discussing the purchase of a 300,000 gpd WWTP that is owned by the Bullitt County Sanitation District ("BCSD"). This above-ground package treatment plant would treat the flow from the Hunters Hollow collection system. Bullitt Utilities will keep you advised of the status of these discussions.

Bullitt Utilities is also working with the BCSD to pump approximately 60,000 gpd from the Hunters Hollow collection system into a BCSD lift station for treatment by the BCSD's Willabrook WWTP and the BCSD Plant No. 3. The connection into the lift station had been made, but the pump in the lift station failed and will take approximately one week to replace.

Bullitt Utilities is also working with the BCSD to determine the most efficient long term solution to the issues raised by the failure of the Hunters Hollow WWTP. Options under review include

the construction of the above-described 300,000 gpd and/or the redirection of the flow from the Hunters Hollow collection system into the BCSD's system. These discussions are ongoing. Bullitt Utilities will collect samples for analysis as set forth in its KPDES permit on a two-times per week basis. To the extent possible, starting with the week of April 21, 2014, sampling shall be conducted in accordance with the KPDES permit requirements. Sample results will be submitted to the Louisville Regional Office upon receipt, and in accordance with the KPDES permit requirements. The results of the sampling conducted the week of April 7, 2014, have not yet been received, and Bullitt Utilities is working to comply with the requirements of its KPDES permit.

Bullitt Utilities will provide a schedule to implement the permanent solution to the failure of the Hunters Hollow WWTP after the solution has been determined.

Please contact me at your earliest convenience should you wish to discuss this response and Corrective Action Plan or have any questions concerning same.

Yours truly,

Robert C. Moore

RCM
cc: Bullitt Utilities, Inc.

HAZELRIGG & COX, LLP
ATTORNEYS AT LAW
415 WEST MAIN STREET, SUITE 1
P.O. BOX 676
FRANKFORT, KENTUCKY 40602-0676

JOHN E. BAUGHMAN
ROBERT C. MOORE
MARK R. BRENGELMAN

DYER L. HAZELRIGG (1881-1970)
LOUIS COX (1907-1971)

FAX: (502) 875-7158
TELEPHONE: (502) 227-2271

April 25, 2014

Via Facsimile: 502-429-7125
Charles Roth
Commonwealth of Kentucky
Division of Water
9116 Leesgate Road
Louisville, Kentucky 40222

Re: Bullitt Utilities, Inc. D/B/A Hunters Hollow ("Bullitt Utilities")
Response to Notice of Violation ("NOV") issued on April 2, 2014 and
Corrective Action Plan

Dear Mr. Roth:

Pursuant to the discussions at our meeting on Monday, April 21, 2014, I am providing you with an update to the response to the above-referenced NOV:

1. The temporary WWTP by Pecco, Inc., is continuing to treat slightly in excess of 200,000 gpd of flow from the Hunters Hollow collection system. Samples of the discharge from the temporary WWTP have been collected, and Beckmar Laboratories advised on this date that the results of the sampling are under review and I should be able to provide you a copy of the sampling results on Monday, April 28, 2014.

Bullitt Utilities has inspected the 300,000 gpd WWTP that is owned by the Bullitt County Sanitation District ("BCSD"), and is also making inquiries in the industry to determine if there are other WWTP's available for purchase for use at this site. Bullitt Utilities will be engaging in further discussions with BCSD the week of April 28, 2014, concerning both a short term and long term resolution of this issue, and will advise you of the results of these discussions.

Bullitt Utilities continues to work with the BCSD to pump approximately 60,000 gpd from the Hunters Hollow collection system into a BCSD lift station for treatment by the BCSD's Willabrook WWTP and BCSD Plant No. 3. The BCSD advised as late as April 25, 2014, that it is in the process of determining the proper size pump to be used in this pump station, and once that determination has been made, will obtain the pump and install same so that the diversion of this flow can be made. The BCSD has been advised by letter that Bullitt Utilities is willing to provide any needed assistance in helping to determine the proper size pump and other requirements of the pump, locating the pump or even in purchasing the pump.

Please contact me at your earliest convenience should you wish to discuss this update, or have any questions concerning same.

Yours truly,

Robert C. Moore

RCM
cc: Bullitt Utilities, Inc.

5/16/14

STEVEN L. BESHEAR
GOVERNOR

LEONARD K. PETERS
SECRETARY

ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
Division of Water
9116 Leesgate Rd
Louisville, KY 40222-5084
www.kentucky.gov

May 16, 2014

Certified No. 7011 1150 0001 2003 4097
Return Receipt Requested

Carroll Cogan
Bullitt Utilities, Inc.
P. O. Box 91588
Louisville, KY 40291

Re: Notice of Violation
AI ID: 448
AI Name: Hunters Hollow Subd
Activity ID: ENV20140002
Permit No. KY0038610
Bullitt County, KY

Dear Mr. Cogan:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility on 5/8/14. Also enclosed is the inspection report for 5/6/14. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines. Please take note of the following requirement, immediately stop the discharge of all raw untreated sewage to the waters of the Commonwealth of Kentucky. Immediately remove all visible settled sewer solids from the receiving streams. Check the streams on a daily basis for visible sewer solids.

Your cooperation and attention to this matter is appreciated. If you have any questions, please contact me at 502-429-7122.

Sincerely,

Brad Trivette

Brad Trivette,
Environmental Inspector III
Division of Water

Enclosures

COMMONWEALTH OF KENTUCKY
ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
Division of Water

NOTICE OF VIOLATION

To: Carroll Cogan
Bullitt Utilities, Inc.
P. O. Box 91588
Louisville, KY 40291

AI Name: Hunters Hollow Subd **AI ID:** 448 **Activity ID:** ENV20140002
Discovery ID: CIN20140012 **County:** Bullitt
Enforcement Case ID: 05/08/8014 CR
Date(s) Violation(s) Observed: 04/30/2014

This is to advise that you are in violation of the provisions cited below:

1 **Violation Description for Subject Item AIOO00000000448():**
Proper Operation and Maintenance. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control and related appurtenances which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls, and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit. [401 KAR 5:065 Section 2(1)] as in [40 C.F.R. 122.41(e)].

Description of Non Compliance:
The facility is not being properly operated and maintained as required. The temporary treatment plant is only capable of treating part of the total wet weather flow. At the time of this inspection there was raw sewage from the plants influent pipe being discharged onto the ground were it ran into the stream. The stream is accumulating visible settled sewage solids on the stream bed and near the stream bank. Now that the weather is warming up, the stream and the sewer plant is becoming quite odorous.

The remedial measure(s), and date(s) to be completed by are as follows:
The permittee must, at all times, properly operate & maintain the facility. With proper approval(s) from the Division of Water, upgrade/update the facility in order to meet the regulatory requirements and facility permit conditions. Immediately stop the discharge of all raw untreated sewage to the waters of the Commonwealth of Kentucky. Immediately remove all visible settled sewer solids from the receiving streams Within thirty (30) days of the receipt of this notice, the permittee shall submit a written notification to the undersigned that the permittee complies with all requirements of its permit. Failure to comply with the remedial measures or repeated violations of this requirement may subject you and/or your company to penalties and or other actions to be determined by the Division of Enforcement. [401 KAR 5:065 Section 2(1)]

2 **Violation Description for Subject Item AIOO00000000448():**
All wastewater treatment plants shall have a disinfection process which meets the following requirements: An ultraviolet disinfection system designed to treat the anticipated peak hourly flow; a chlorination system with a flow or demand proportional feed system. The chlorine contact tank shall have a minimum detention time of thirty (30) minutes based on the average flow, or fifteen (15) minutes based on the peak hourly flow, whichever requires the larger tank size. Wastewater treatment plants shall also have a dechlorination system with a flow or demand proportional feed system if necessary to meet the effluent limits; or a chlorination system with a manually controlled feed system and a flow equalization basin designed to eliminate the diurnal flow variations. Tablet type chlorination equipment shall not be used in

an intermediate or large WWTP. [401 KAR 5:005 Section 11].

Description of Non Compliance:
The facility has failed to properly maintain and / or operate the disinfection unit. The temporary system has a chlorination and dechlorination system set up, however the E. coli results continue to show values above the permit limits.

The remedial measure(s), and date(s) to be completed by are as follows:
The permittee must immediately maintain and operate the disinfection unit to allow for compliance with permit conditions. Within thirty (30) days of the receipt of this notice, the permittee shall submit a written notification to the undersigned that the permittee complies with all requirements of its permit. Failure to comply with the remedial measures or repeated violations of this requirement may subject you and/or your company to penalties and or other actions to be determined by the Division of Enforcement. [401 KAR 5:005 Section 11]

3 **Violation Description for Subject Item AIOO00000004480:**
No person shall directly, or indirectly, throw, drain, run or otherwise discharge into any of the waters of the Commonwealth, or cause, permit or suffer to be thrown, drained, run otherwise discharged into such waters any pollutant, or any substance that shall cause or contribute to the pollution of the waters of the commonwealth in contravention of the standards adopted by the cabinet or in contravention of any of the rules, regulations, permits, or orders of the cabinet or in contravention of any of the provisions of this chapter. [KRS 224.70-110].

Description of Non Compliance:
Pollutants have entered and contributed to the pollution of the waters of the Commonwealth. The temporary treatment plant is only capable of treating part of the total wet weather flow. At the time of this inspection there was raw sewage from the plants influent pipe being discharged onto the ground were it ran into the stream.
The temporary emergency plant is producing a very clear final effluent. The stream is starting to slow down now and the muddy water is clearing. The stream is accumulating visible settled sewage solids on the stream bed and near the stream bank...

The remedial measure(s), and date(s) to be completed by are as follows:
Immediately cease all activity, which is contributing or has contributed to the pollution of the waters of the Commonwealth. Immediately stop the discharge of all raw untreated sewage to the waters of the Commonwealth of Kentucky. Immediately remove all visible settled sewer solids from the receiving streams Within thirty (30) days of the receipt of this notice, the permittee/responsible party shall submit a plan of action and a schedule of implementation to the undersigned describing the necessary measures taken to address the non-compliance. Failure to comply with the remedial measures or repeated violations of this requirement may subject you and/or your company to penalties and or other actions to be determined by the Division of Enforcement. [KRS 224.70-110]

4 **Violation Description for Subject Item AIOO00000004480:**
Surface waters shall not be aesthetically or otherwise degraded. [401 KAR 10:031 Section 2].

Description of Non Compliance:
The waters of the Commonwealth have been degraded...The temporary treatment plant is only capable of treating part of the total wet weather flow. At the time of this inspection there was raw sewage from the plants influent pipe being discharged onto the ground were it ran into the stream.
The temporary emergency plant is producing a very clear final effluent. The stream is starting to slow down now and the muddy water is clearing. Sludge solids are now becoming visible on the stream bottom and near the banks.

The remedial measure(s), and date(s) to be completed by are as follows:
. Immediately stop the discharge of all raw untreated sewage to the waters of the Commonwealth of Kentucky. Immediately remove all visible settled sewer solids from the receiving streams The effluent must be brought into compliance so as to eliminate stream degradation. Within thirty (30) days of the receipt of

this notice, the permittee/responsible party shall submit a plan of action and a schedule of implementation to the undersigned describing the necessary measures taken to address the non-compliance. Failure to comply with the remedial measures or repeated violations of this requirement may subject you and/or your company to penalties and or other actions to be determined by the Division of Enforcement. [401 KAR 10:031 Section 2]

Violations of the above cited statute(s) and/or regulation(s) are subject to a civil penalty per day per violation. Violations carry civil penalties of up to $25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

If you have questions or need further information, write or call the undersigned:

Division of Water
Louisville Regional Office
9116 Leesgate Rd
Louisville, KY 40222-5084
502-429-7122 (8:00 AM – 4:30 PM)
Brad Trivette, Environmental Inspector III

Brad Trivette

Issued By: _____
Mr. Brad Trivette, Environmental Inspector III
Date: May 16, 2014

Charles A. Roth

Issued By: _____
Mr. Charles Roth, Environmental Control Supervisor
Date: May 16, 2014

How Delivered: Cert. Certified/Registered # 7011 1150 0001 2003 4097

HAZELRIGG & COX, LLP
ATTORNEYS AT LAW
415 WEST MAIN STREET, SUITE 1
P.O. BOX 676
FRANKFORT, KENTUCKY 40602-0676

JOHN B. BAUGHMAN
ROBERT C. MOORE
MARK R. BRENGELMAN

DYKE L. HAZELRIGG (1881-1970)
LOUIS COX (1907-1971)

FAX: (502) 875-7158
TELEPHONE: (502) 227-2271

May 23, 2014

Via Electronic Mail and Facsimile: 502-429-7125
Charles Roth
Commonwealth of Kentucky
Division of Water
9116 Leesgate Road
Louisville, Kentucky 40222

Re: Bullitt Utilities, Inc. D/B/A Hunters Hollow ("Bullitt Utilities")
Preliminary Response to Notice of Violation ("NOV") issued on May 16, 2014

Dear Mr. Roth:

The following is a preliminary response to the above-referenced NOV. A more comprehensive response to the NOV will be provided at a later date that contains the requested plan of action and schedule of implementation.

The NOV directs Bullitt Utilities to immediately stop the discharge of all raw untreated sewage and to remove all visible settled sewer solids from the receiving stream. The Pecco temporary WWTP has continued to operate to treat the flow from the Hunters Hollow collection system, however due to the capacity of this WWTP, untreated wastewater has been bypassed into the receiving stream. As discussed during the May 19, 2014, meeting with Jeff Cummins, Daniel Cleveland, Brad Trivette, Tom Gabbard, Philip Kejzlar and Justin Schul, Bullitt Utilities has contracted with Veolia Water ("Veolia") for the installation of a mobile Actiflo trailer to treat the Hunters Hollow flow ("WWTP"). The information provided by Veolia indicates that this WWTP has the capacity to treat all of the flow from the Hunters Hollow collection system, and its discharge should be in compliance with the applicable KPDES requirements.

Bullitt Utilities anticipates that the Veolia WWTP will be delivered to the former site of the Hunters Hollow WWTP the week of May 26, 2014, and begin operations thereafter. The supplies that are needed to operate the Veolia WWTP are also to be delivered to the site the week of May 26, 2014. The Division of Water will be notified when this WWTP is delivered to the site and placed into operation, should you want to review its installation. Pursuant to our discussions at the May 19, 2014, meeting, two water samples per week will be collected from the discharge of this WWTP during the first two weeks of its operation.

With respect to removing the settled sewer solids from the receiving stream, Bullitt County Septic cleaned the settled solids from the receiving stream, most recently on Monday, May 19, 2014. Hedden Septic Tank Service has been requested to do some additional cleaning of the receiving stream the week of May 26, 2014. After the Veolia WWTP is in operation, the stream will be inspected and additional cleaning performed, if necessary.

Bullitt Utilities also performed some general housekeeping at the site the week of May 19, 2014, including beginning cutting up equipment from the failed plant that will be removed in the near future.

Please contact me at your earliest convenience should you wish to discuss this preliminary response.

Yours truly,

Robert C. Moore

RCM
cc: Bullitt Utilities, Inc.
Jeff Cummins - via electronic mail
Daniel Cleveland - via electronic mail

PIPE EYES, LLC

PE-06142013-528-1

Hunters Hollow Subdivision

Video Inspection of 6-12" Sanitary Sewers

Prepared for

Bullitt Utilities INC
P.O Box 91588
Louisville, KY 40291

Pipe Eyes, LLC
2393 Alumni Drive, Suite 100
Lexington KY 40517
859.266.3200 Office 859.269.7200 Fax

1. Notification: Pipe Eyes LLC will submit a Video Inspection Report ("Report") to Customer, documenting its investigation. Submission of the Report will be the only responsibility of Pipe Eyes with regard to its investigation. Under no circumstances will Pipe Eyes have any duty to warn, notify or take any other actions whatsoever concerning any hazard or danger which may be discovered by Pipe Eyes or indicated by its Report, including but not limited to, notification concerning dangers which may be associated with gas lines penetrating sewer or storm sewer pipelines. Customer agrees that it has the sole duty to warn, notify or take remedial action concerning any hazards or dangers indicated or documented in the Report. Customer agrees that it will promptly take any and all actions necessary, reasonable or appropriate to make safe any hazardous or dangerous condition(s) indicated by its Report and will promptly notify and warn any persons or entities of any known dangers, which are necessary, reasonable or prudent.

2. Data: The Report generated and submitted to Customer by Pipe Eyes is uninterpreted data. Pipe Eyes takes no responsibility for analyzing or

Project Information

Project Name:	Project Number:	Date:
Hunters Hollow Subdivision		6/13/2013

Contractor	**Pipe Eyes**
Responsible:	**Bobby Chesnut**
Department:	
Street:	**145 Smith Lane**
City:	**Louisville KY 40229**
Telephone:	**(502)955*5288**
Fax:	**(502)955-5413**
Mobile:	**(859)983-3873**
EMail:	**www.pipeeyesllc.com**

Client	**Bullit Utilities INC**
Responsible:	**Larry Smither**
Department:	
Street:	**P.O Box 91588**
City:	**Louisville 40291**
Telephone:	**(502) 693-8634**
Fax:	
Mobile:	
EMail:	

Notes:

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
(502)955*5288

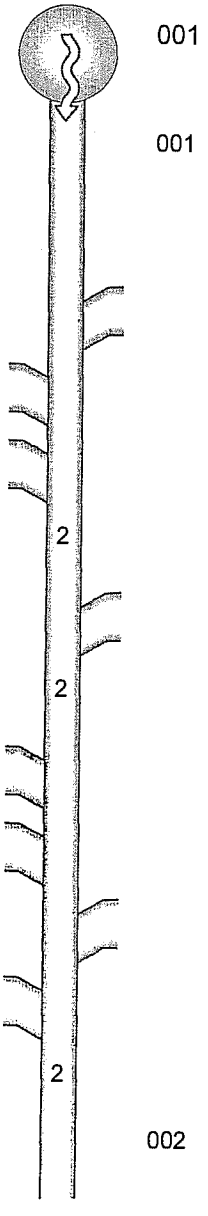
PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
001_002	Hillview	Angelina	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
001			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
002	295.9		8	8		

SPR	N/A	MPR	54	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	2		
QSR	N/A	QMR	2D00	Work Order	Purpose: Capital Improvement Program As...

OPR	Surveyed By	Direction	Date	Media label
54	Bunch	Downstream	20130614	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
2		Jetting	09:24	Dry
Date Cleaned			End Time	Additional Info
20130613			09:41	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
8.5 ft.	Tap Factory Made
49.8 ft.	Tap Factory Made
105.9 ft.	Tap Factory Made
105.9 ft.	Deposits Attached Grease
122.6 ft.	Tap Factory Made
165.1 ft.	Deposits Attached Grease - S01
173.8 ft.	Tap Factory Made
230.1 ft.	Tap Factory Made
256.7 ft.	Tap Factory Made
288.2 ft.	Tap Factory Made
295.9 ft.	Deposits Attached Grease - F01
295.9 ft.	Access Point Manhole

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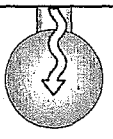
PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
001_002	Hillview	Angelina	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
001			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
002	295.9		8	8		

SPR	N/A	MPR	54	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	2	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	2D00		

OPR	Surveyed By	Direction	Date	Media label
54	Bunch	Downstream	20130614	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
2		Jetting	09:24	Dry
Date Cleaned			End Time	Additional Info
20130613			09:41	



002

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PIPE EYES

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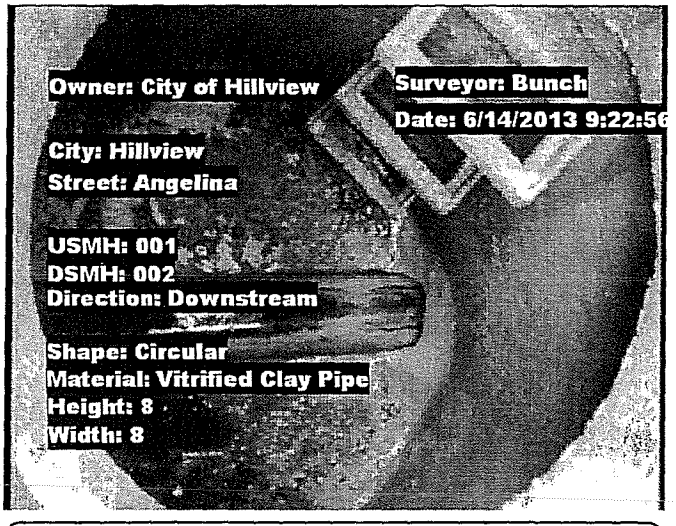
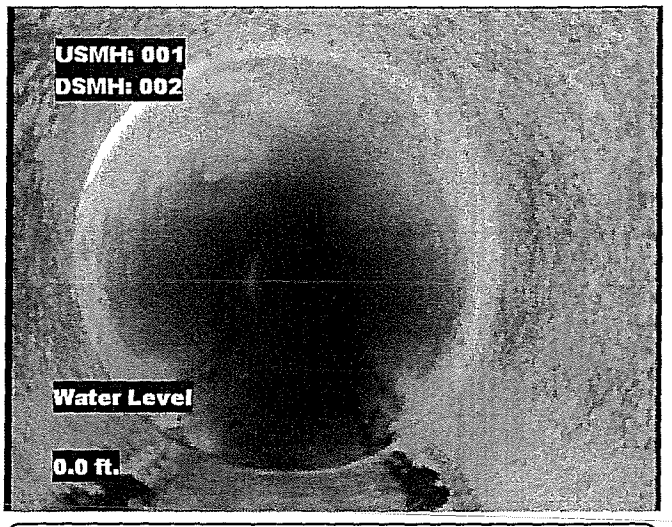
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
001_002	Hillview	Angelina	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
001			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
002	295.9		8	8		

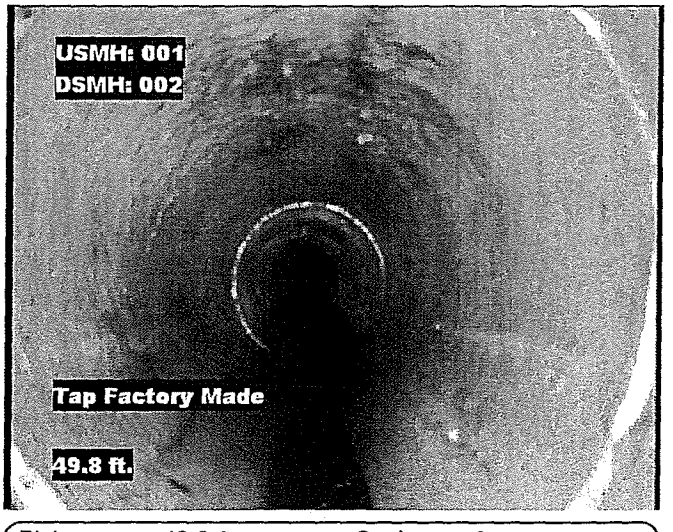


Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	001		



Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		

Distance:	8.5 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	49.8 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		

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PIPE EYES

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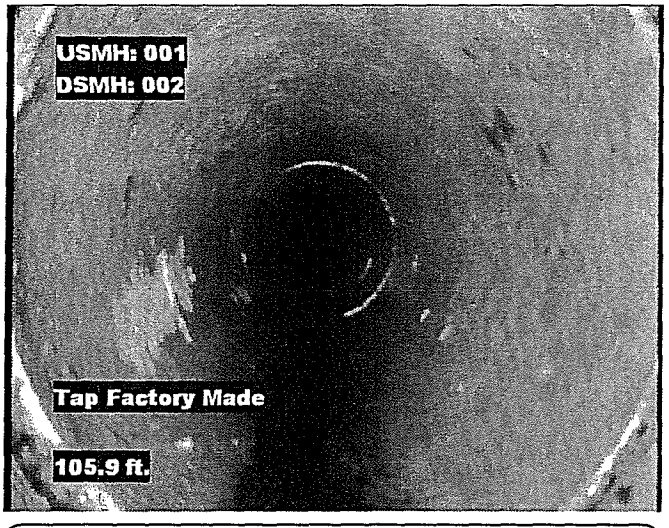
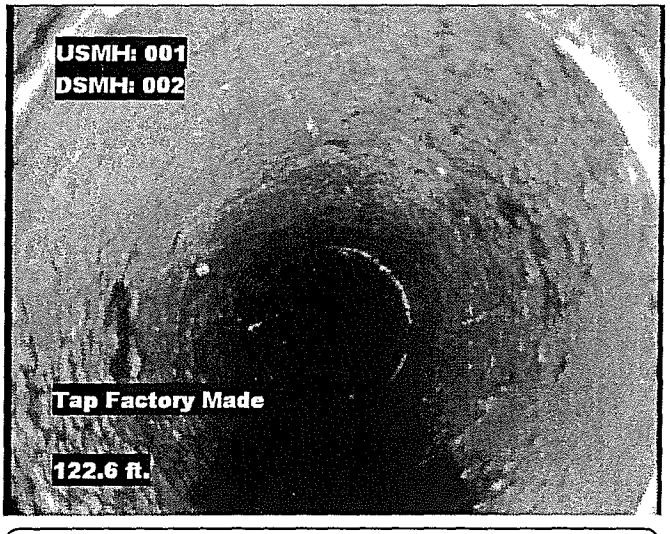
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
001_002	Hillview	Angelina	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
001			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
002	295.9		8	8		

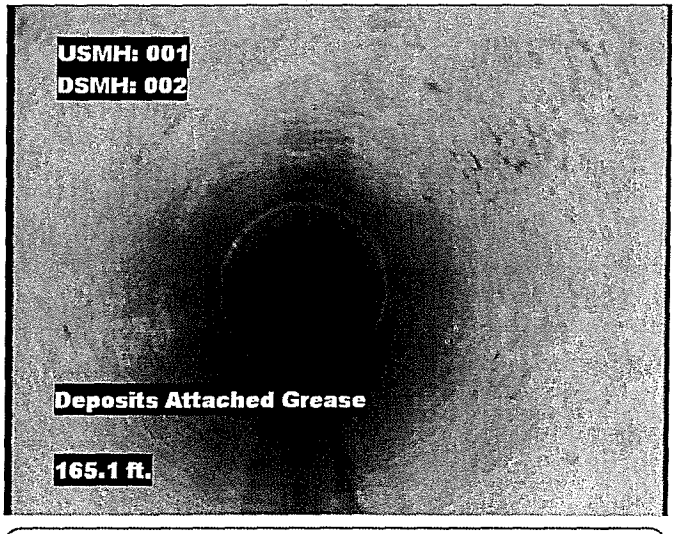


Distance: 105.9 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

Distance: 105.9 ft. Grade: 2
Condition: Deposits Attached Grease
Remarks: N/A



Distance: 122.6 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 165.1 ft. Grade: 2
Condition: Deposits Attached Grease
Remarks: N/A

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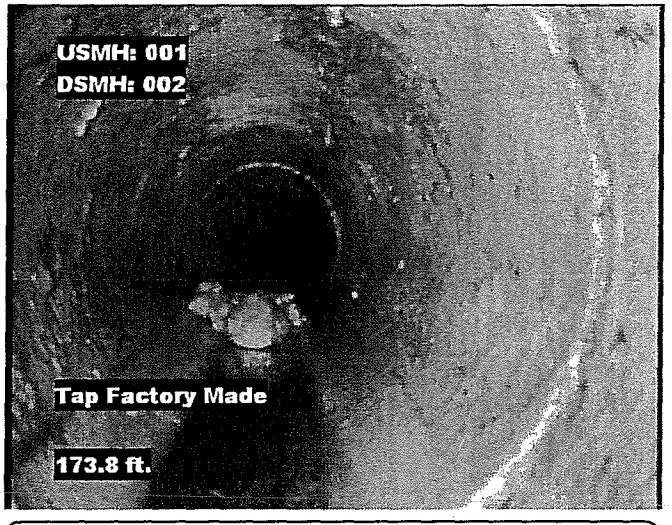
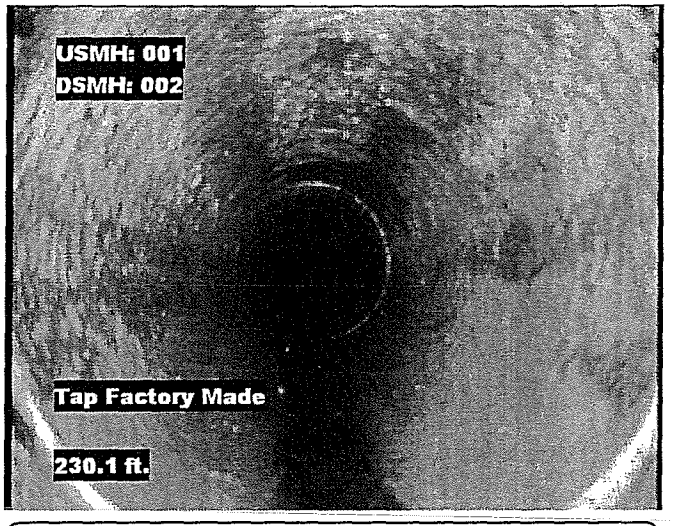
PIPE EYES

Image Report 4/Page

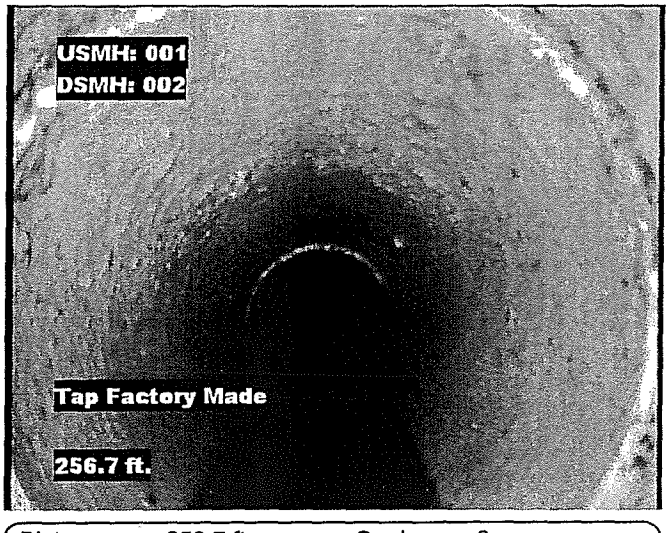
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
001_002	Hillview	Angelina	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
001			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
002	295.9		8	8		



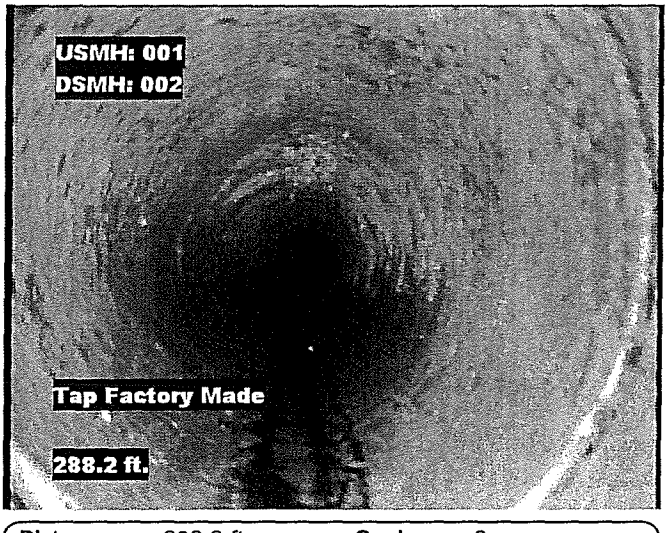
Distance: 173.8 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 230.1 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 256.7 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 288.2 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A

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PIPE EYES

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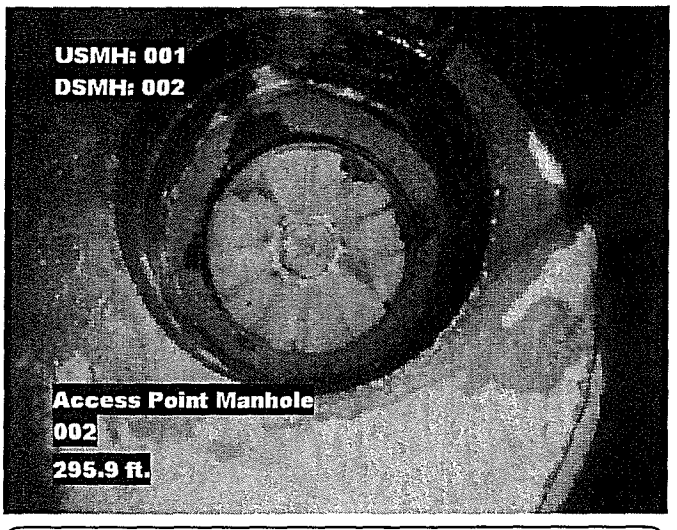
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
001_002	Hillview	Angelina	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
001			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
002	295.9		8	8		

Distance: 295.9 ft. **Grade:** 2
Condition: Deposits Attached Grease
Remarks: N/A



Distance: 295.9 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 002

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
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PIPE EYES

Defect Listing Plot

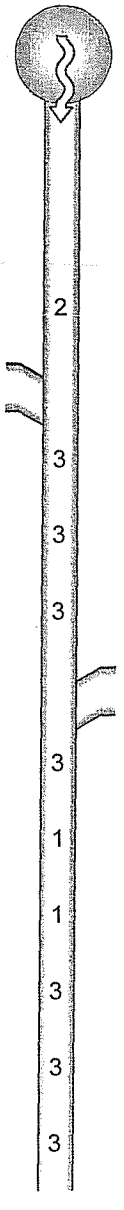
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
002_006	Hillview	Angelina	Vitrified Clay Pipe		Light High...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
002			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
006	297.2		8	8		

SPR	4	MPR	60	PO Number	Customer: City of Hillview
SPRI	2	MPRI	2.7	Work Order	Purpose: Capital Improvement Program As...
QSR	2200	QMR	3B22		

OPR	Surveyed By	Direction	Date	Media label
64	Bunch	Downstream	20130614	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather
2.7		Jetting	09:51	Dry

Date Cleaned	End Time	Additional Info
20130613	10:14	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
4.1 ft.	Fracture Circumferential
53.8 ft.	Tap Factory Made
109.0 ft.	Roots Medium Joint
114.0 ft.	Roots Medium Joint - S01
124.9 ft.	Roots Medium Joint - F01
128.7 ft.	Tap Factory Made
128.7 ft.	Roots Medium Joint
129.9 ft.	Roots Fine Joint
132.0 ft.	Roots Fine Joint
146.6 ft.	Roots Medium Joint
151.6 ft.	Roots Medium Joint - S02
172.1 ft.	Roots Medium Joint

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
(502)955*5288

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
002_006	Hillview	Angelina	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
002			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
006	297.2		8	8		

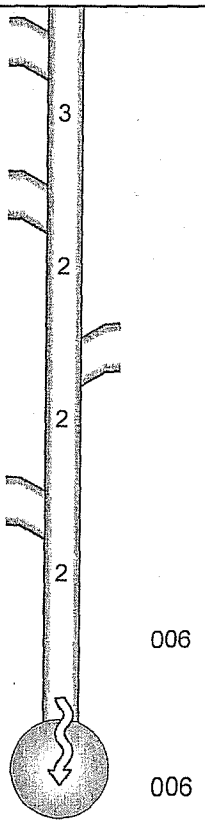
SPR	4	MPR	60	PO Number	Customer: City of Hillview
SPRI	2	MPRI	2.7	Work Order	Purpose: Capital Improvement Program As...
QSR	2200	QMR	3B22		

OPR	Surveyed By	Direction	Date	Media label
64	Bunch	Downstream	20130614	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather
2.7		Jetting	09:51	Dry

Date Cleaned	End Time	Additional Info
20130613	10:14	

172.1 ft.	Tap Factory Made
212.5 ft.	Roots Medium Joint - F02
233.0 ft.	Tap Factory Made
252.0 ft.	Crack Longitudinal
254.7 ft.	Tap Factory Made Active
286.1 ft.	Deposits Attached Grease - S03
291.4 ft.	Tap Factory Made
297.2 ft.	Deposits Attached Grease - F03
297.2 ft.	Access Point Manhole



Pipe Eyes
145 Smith Lane
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PIPE EYES

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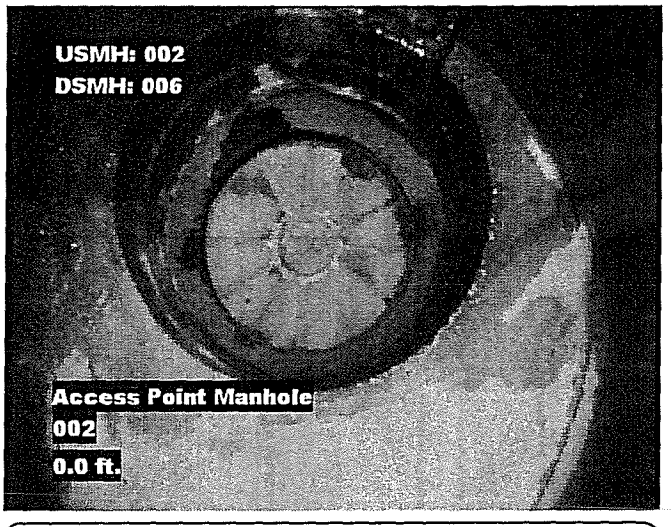
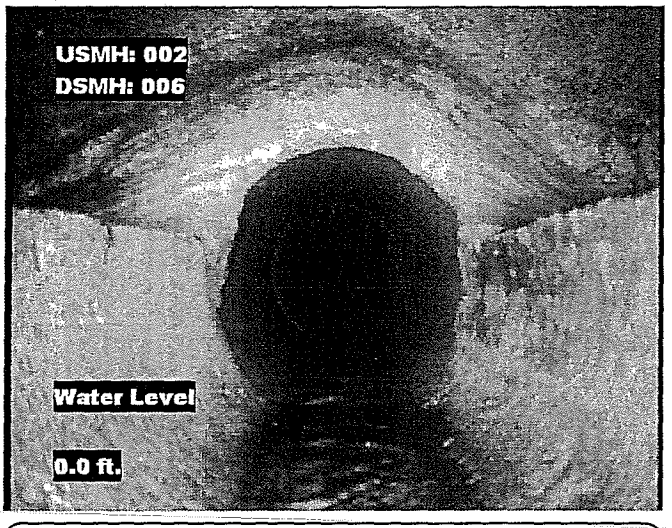
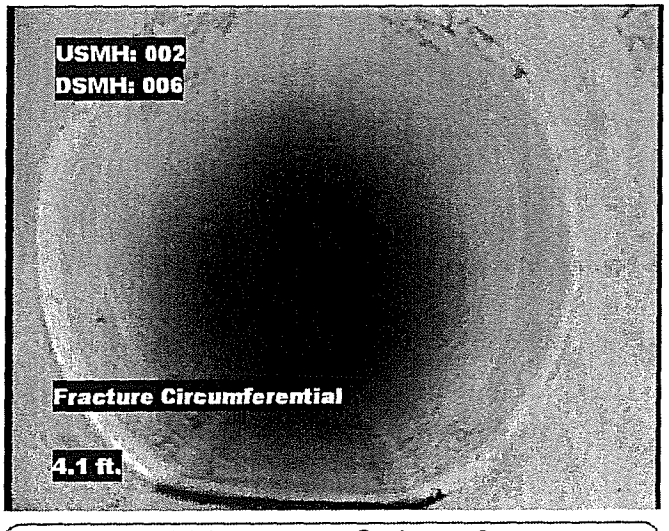
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
002_006	Hillview	Angelina	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
002			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
006	297.2		8	8		



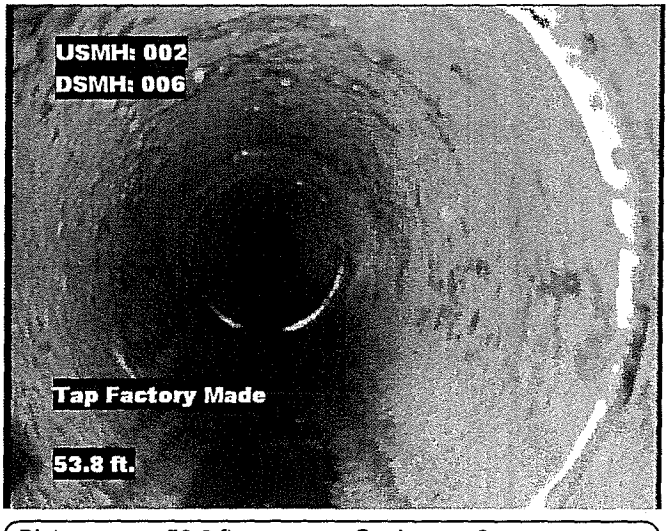
Distance: 0.0 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 002



Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A



Distance: 4.1 ft. **Grade:** 2
Condition: Fracture Circumferential
Remarks: N/A



Distance: 53.8 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A

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Louisville KY 40229 Kentucky 40229
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PIPE EYES

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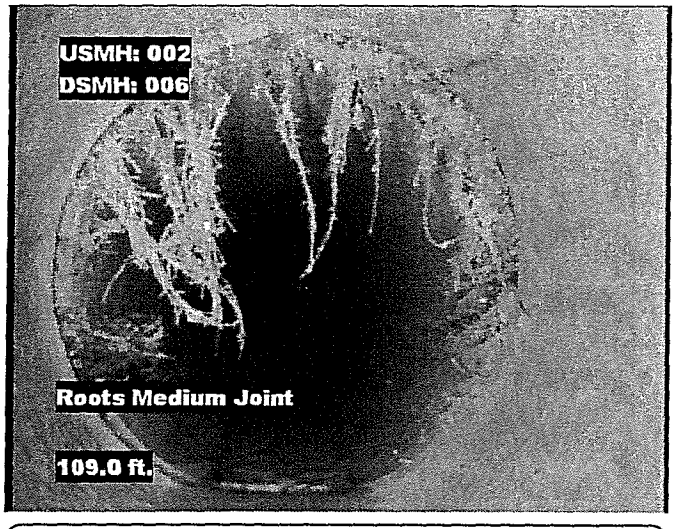
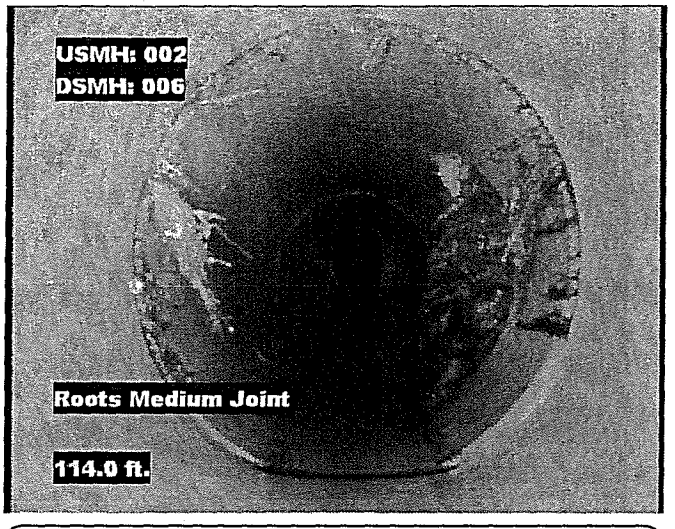
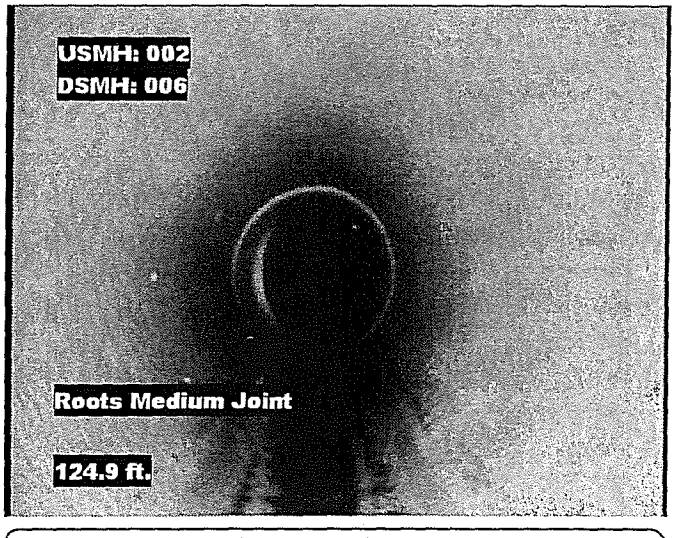
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
002_006	Hillview	Angelina	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
002			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
006	297.2		8	8		



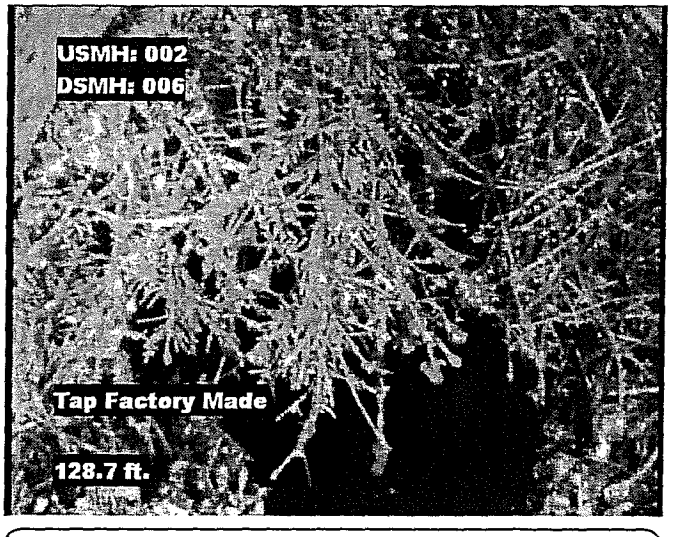
Distance: 109.0 ft. **Grade:** 3
Condition: Roots Medium Joint
Remarks: N/A



Distance: 114.0 ft. **Grade:** 3
Condition: Roots Medium Joint
Remarks: N/A



Distance: 124.9 ft. **Grade:** 3
Condition: Roots Medium Joint
Remarks: N/A



Distance: 128.7 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A

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PIPE EYES

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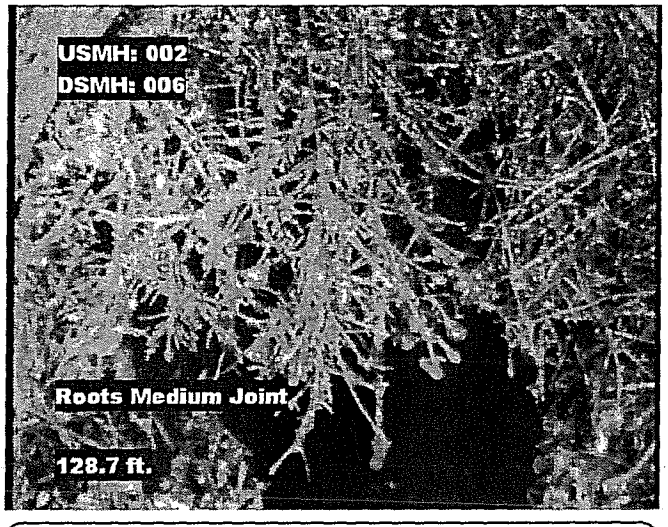
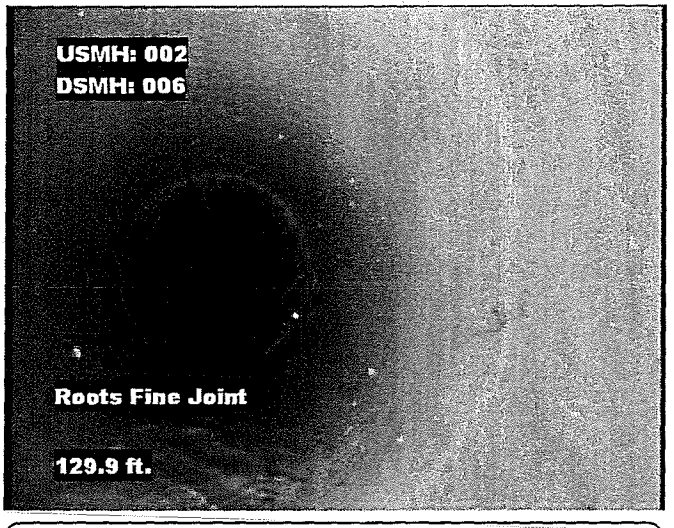
Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
002_006	Hillview	Angelina	Vitrified Clay Pipe	Light High...	Sanitary

Upstream MH	Total Length	Year Laid	Shape	Location Details
002			Circular	

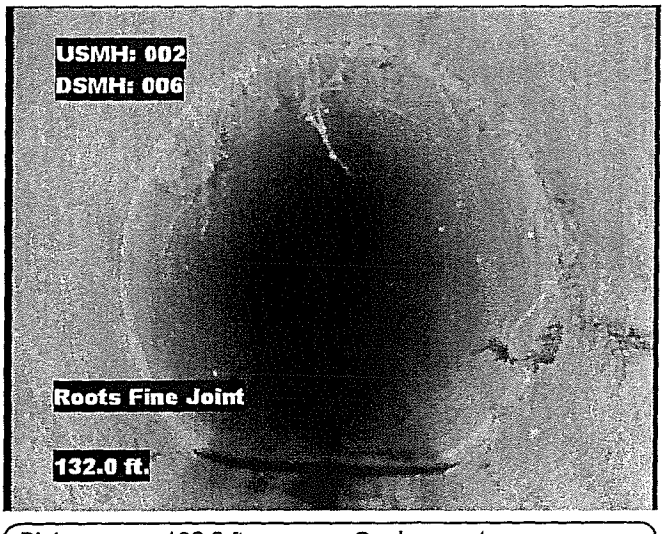
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
006	297.2		8	8		



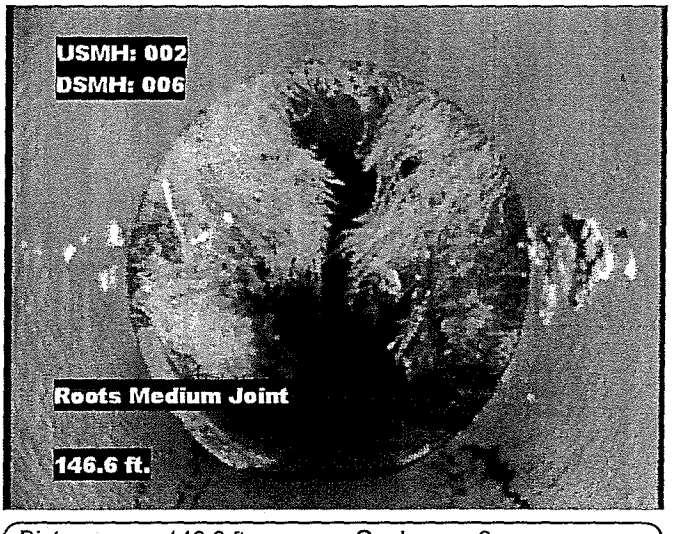
Distance: 128.7 ft. **Grade:** 3
Condition: Roots Medium Joint
Remarks: N/A



Distance: 129.9 ft. **Grade:** 1
Condition: Roots Fine Joint
Remarks: N/A



Distance: 132.0 ft. **Grade:** 1
Condition: Roots Fine Joint
Remarks: N/A



Distance: 146.6 ft. **Grade:** 3
Condition: Roots Medium Joint
Remarks: N/A

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PIPE EYES

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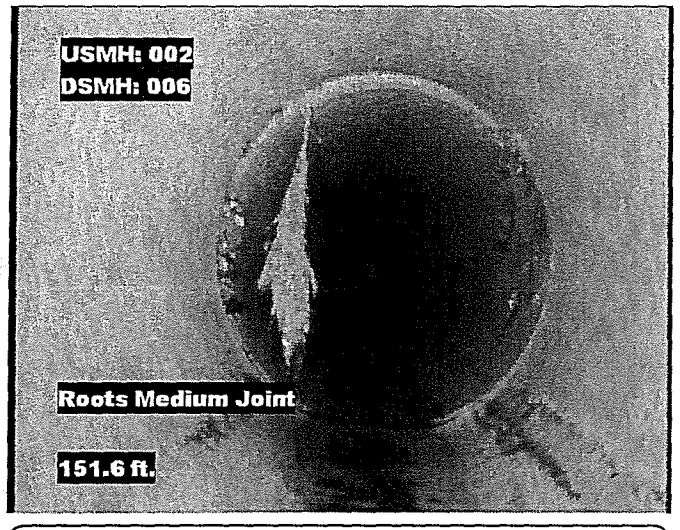
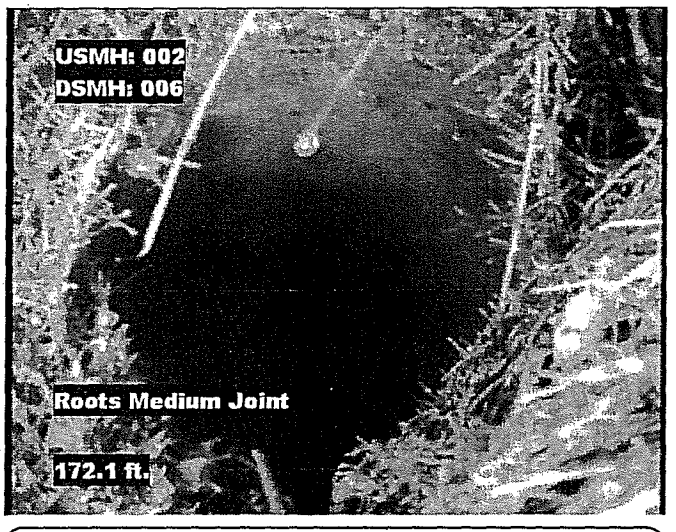
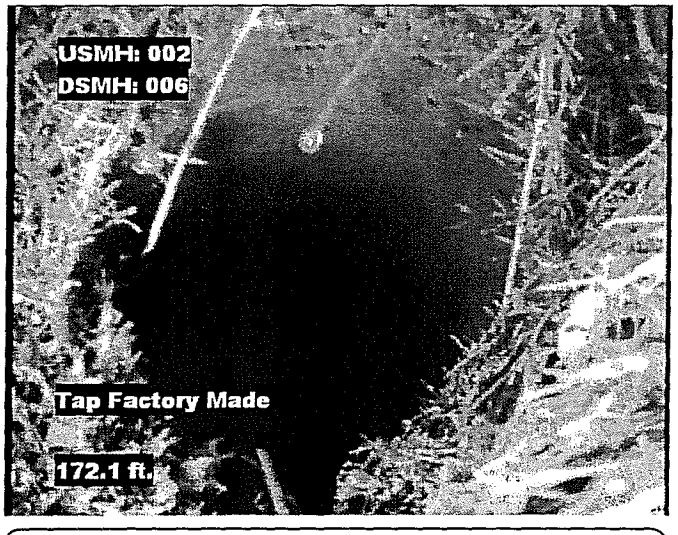
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
002_006	Hillview	Angelina	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
002			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
006	297.2		8	8		



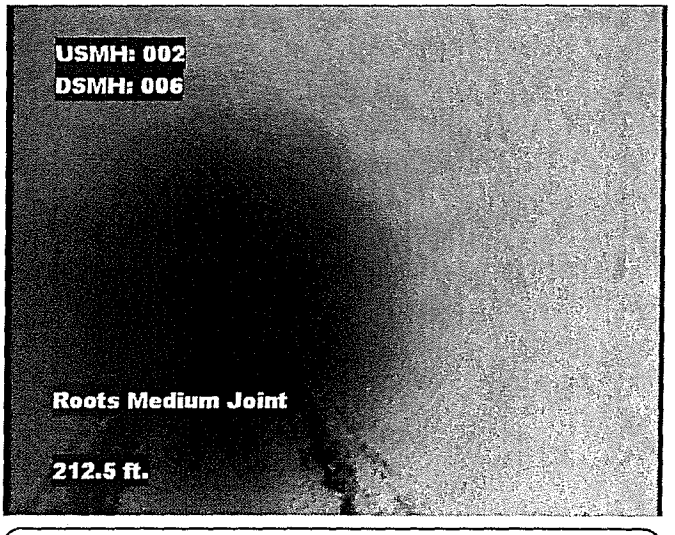
Distance: 151.6 ft. Grade: 3
Condition: Roots Medium Joint
Remarks: N/A



Distance: 172.1 ft. Grade: 3
Condition: Roots Medium Joint
Remarks: N/A



Distance: 172.1 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 212.5 ft. Grade: 3
Condition: Roots Medium Joint
Remarks: N/A

Pipe Eyes
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PIPE EYES

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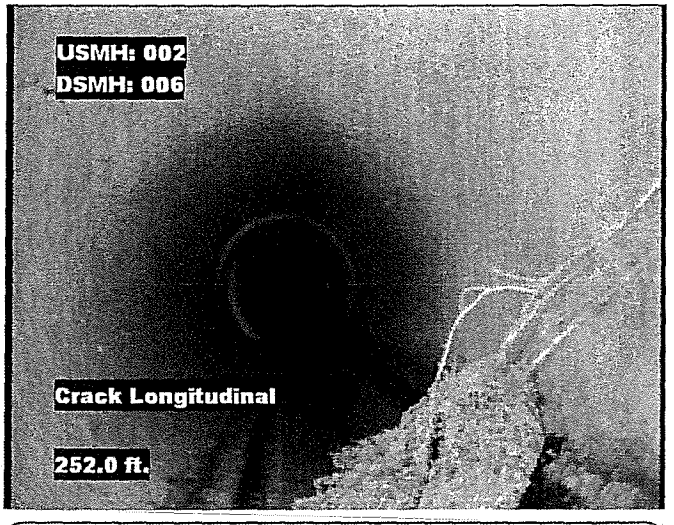
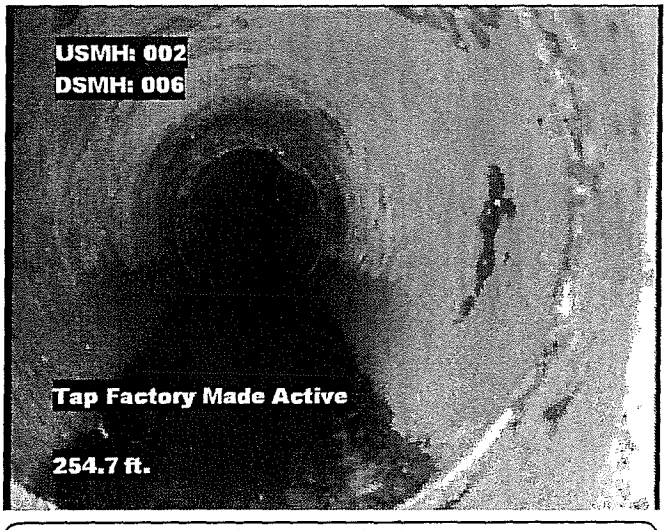
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
002_006	Hillview	Angelina	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
002			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
006	297.2		8	8		

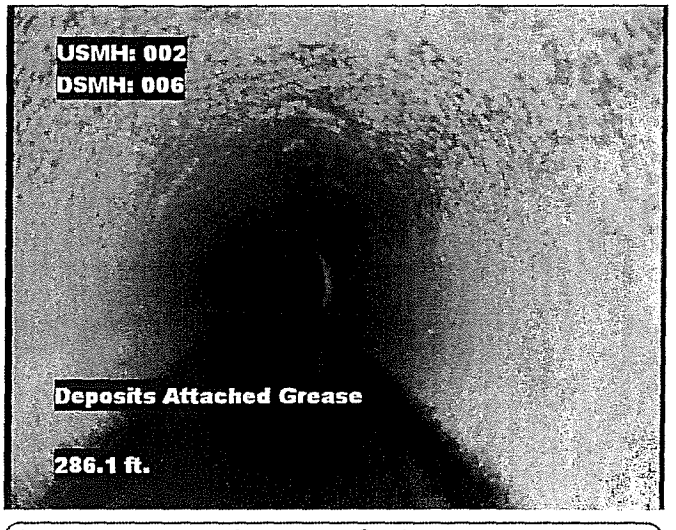
Distance: 233.0 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 252.0 ft. Grade: 2
Condition: Crack Longitudinal
Remarks: N/A



Distance: 254.7 ft. Grade: 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 286.1 ft. Grade: 2
Condition: Deposits Attached Grease
Remarks: N/A

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PIPE EYES

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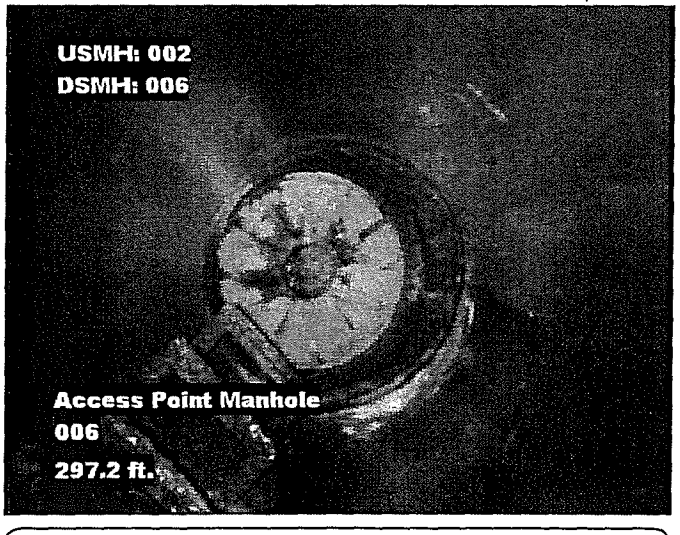
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
002_006	Hillview	Angelina	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
002			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
006	297.2		8	8		

Distance:	291.4 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		

Distance:	297.2 ft.	Grade:	2
Condition:	Deposits Attached Grease		
Remarks:	N/A		



Distance:	297.2 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	006		

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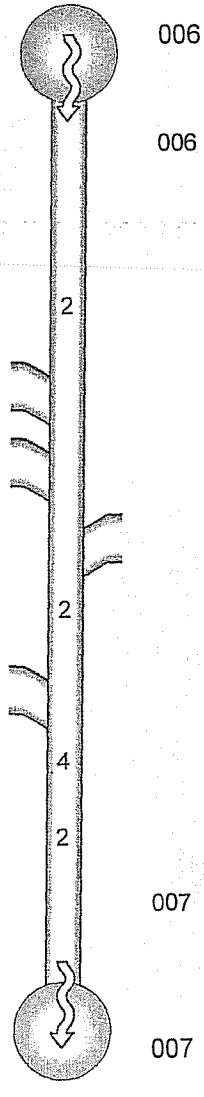
Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
006_007	Hillview	Angelina	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
006			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
007	177.3		8	8		

SPR 2	MPR 14	PO Number		Customer	
SPRI 2	MPRI 2.3			City of Hillview	
QSR 2100	QMR 4125	Work Order		Purpose	
				Capital Improvement Program As...	
OPR	Surveyed By	Direction	Date	Media label	
16	Bunch	Downstream	20130614	1	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
2.3		Jetting	10:22	Dry	
Date Cleaned			End Time	Additional Info	
20130613			10:30		



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
6.4 ft.	Crack Longitudinal
54.8 ft.	Tap Factory Made
111.0 ft.	Tap Factory Made
117.9 ft.	Tap Factory Made
154.5 ft.	Deposits Attached Grease - S01
173.7 ft.	Tap Factory Made
173.7 ft.	Deposits Settled Compacted
177.3 ft.	Deposits Attached Grease - F01
177.3 ft.	Access Point Manhole

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PIPE EYES

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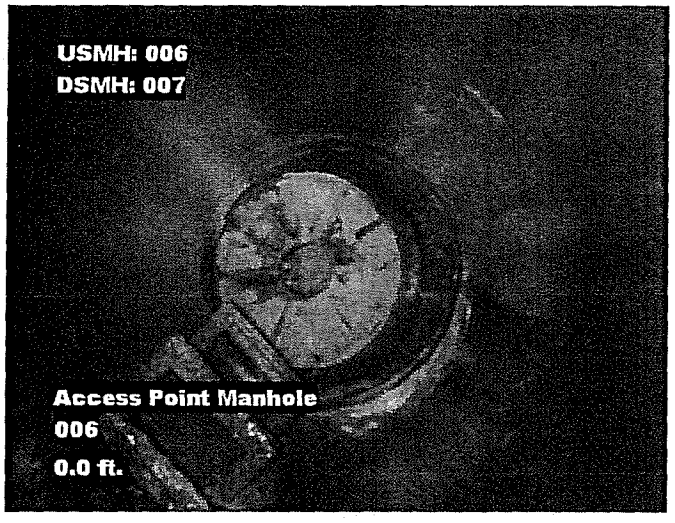
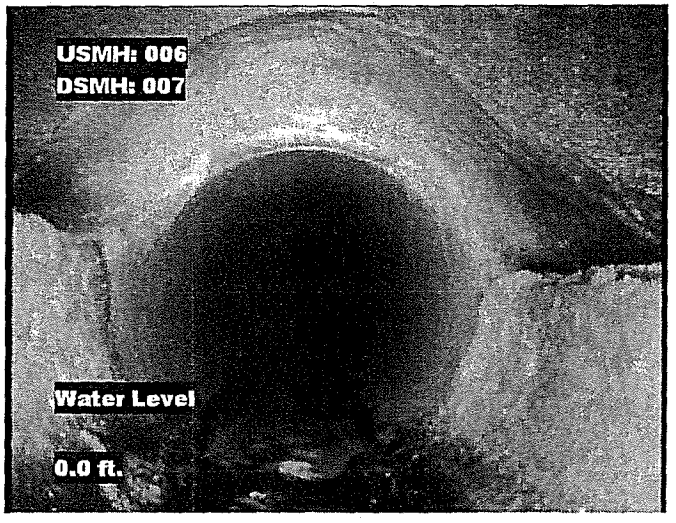
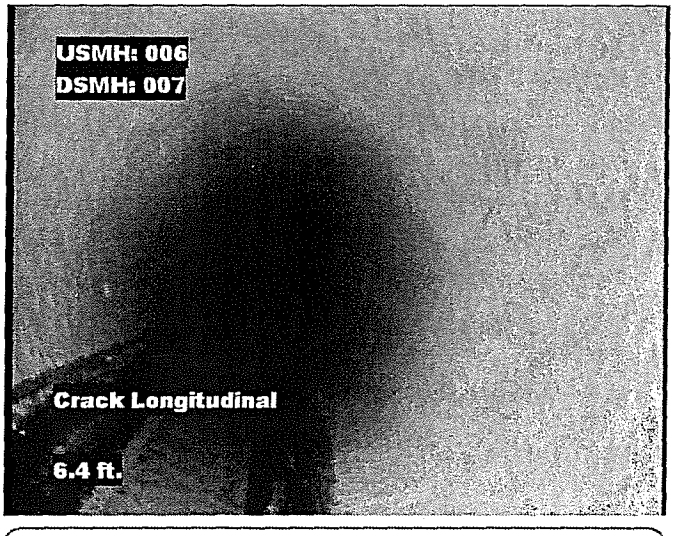
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
006_007	Hillview	Angelina	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
006			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
007	177.3		8	8		



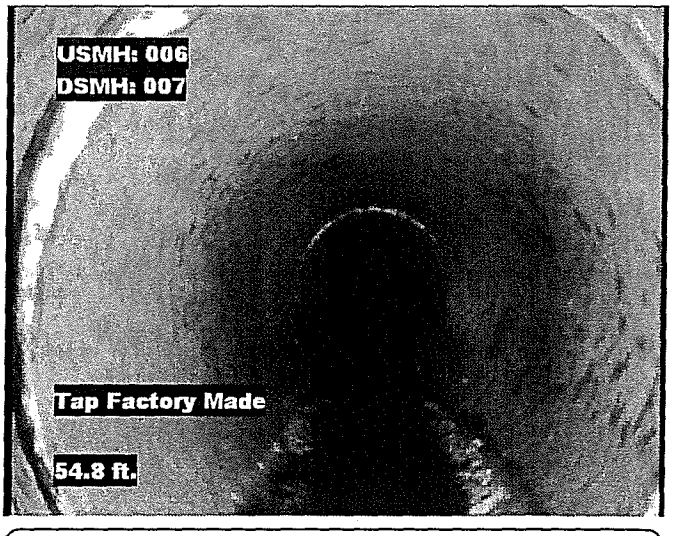
Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	006		



Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	6.4 ft.	Grade:	2
Condition:	Crack Longitudinal		
Remarks:	N/A		



Distance:	54.8 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		

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PIPE EYES

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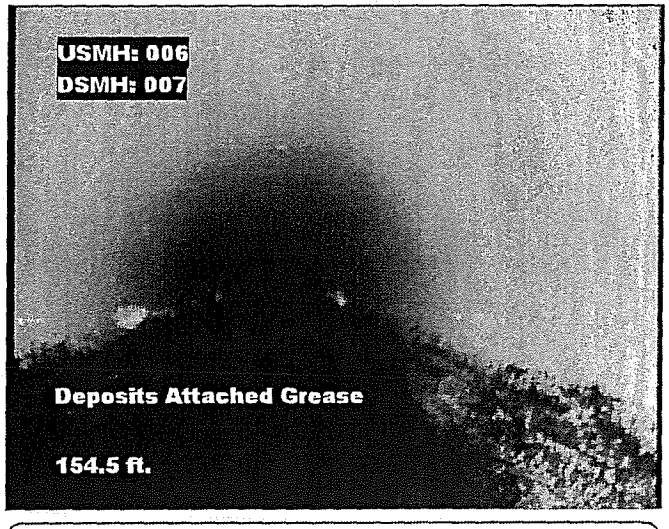
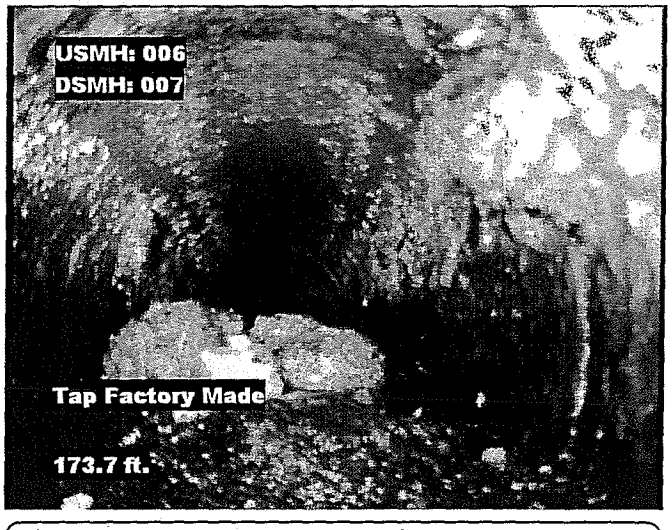
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
006_007	Hillview	Angelina	Vitrified Clay Pipe		Light High...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
006			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
007	177.3		8	8		

Distance: 111.0 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

Distance: 117.9 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 154.5 ft. Grade: 2
Condition: Deposits Attached Grease
Remarks: N/A



Distance: 173.7 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

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PIPE EYES

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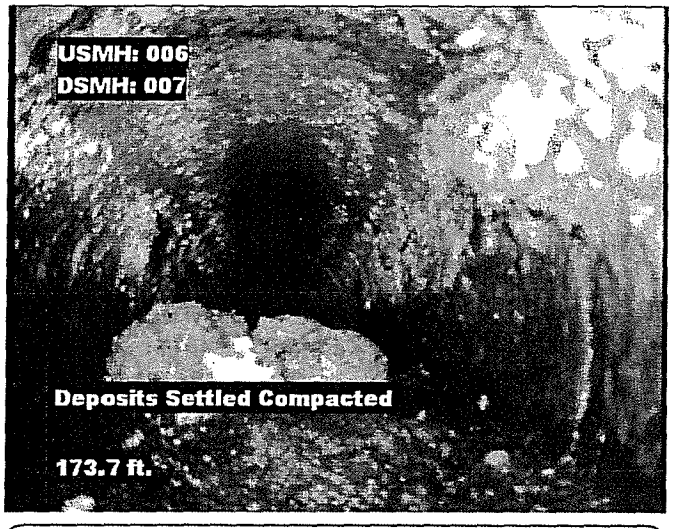
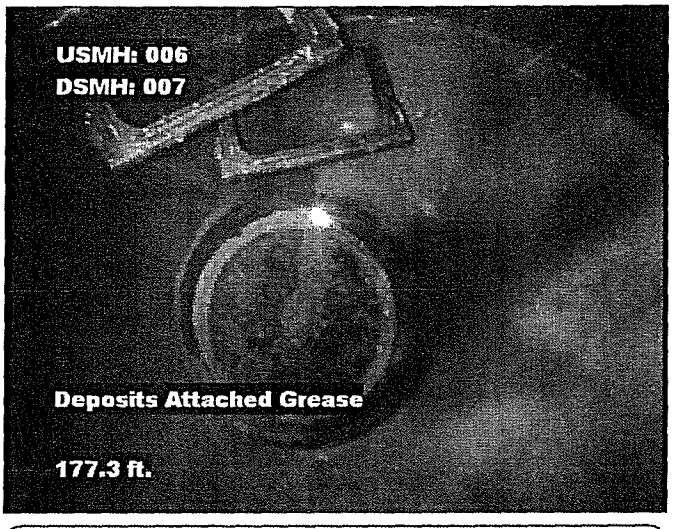
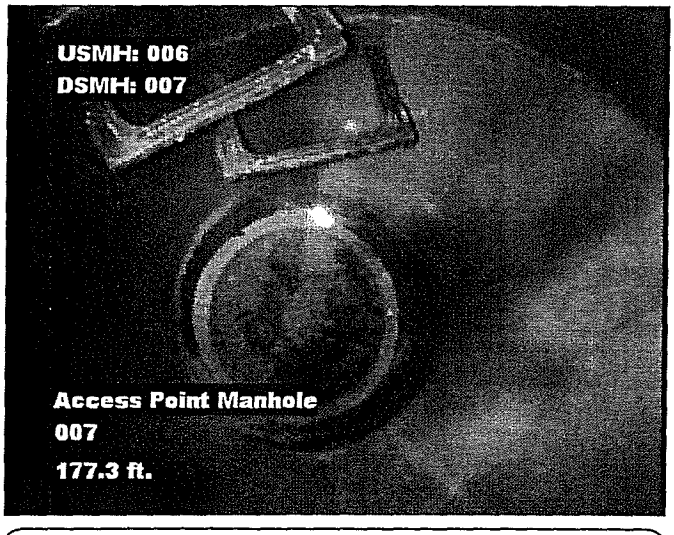
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
006_007	Hillview	Angelina	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
006			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
007	177.3		8	8		



Distance: 173.7 ft. **Grade:** 4
Condition: Deposits Settled Compacted
Remarks: N/A



Distance: 177.3 ft. **Grade:** 2
Condition: Deposits Attached Grease
Remarks: N/A



Distance: 177.3 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 007

Pipe Eyes
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PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
009_008	Hillview	Cannon Ct	PolyVinyl Chloride	Light High...	Sanitar

Upstream MH	Total Length	Year Laid	Shape	Location Details
009			Circular	

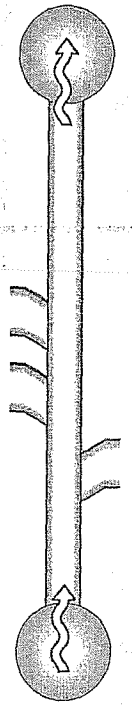
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
008	161.2		10	10	

SPR	N/A	MPR	N/A	PO Number	Customer
SPRI	N/A	MPRI	N/A		City of Hillview
QSR	N/A	QMR	N/A	Work Order	Purpose: Capital Improvement Program As...

OPR	Surveyed By	Direction	Date	Media label
N/A	Bunch	Upstream	20130614	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather
N/A		Jetting	11:12	Dry

Date Cleaned	End Time	Additional Info
20130613	11:20	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
146.5 ft.	Tap Factory Made
149.5 ft.	Tap Factory Made
157.3 ft.	Tap Factory Made
161.2 ft.	Access Point Manhole

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PIPE EYES

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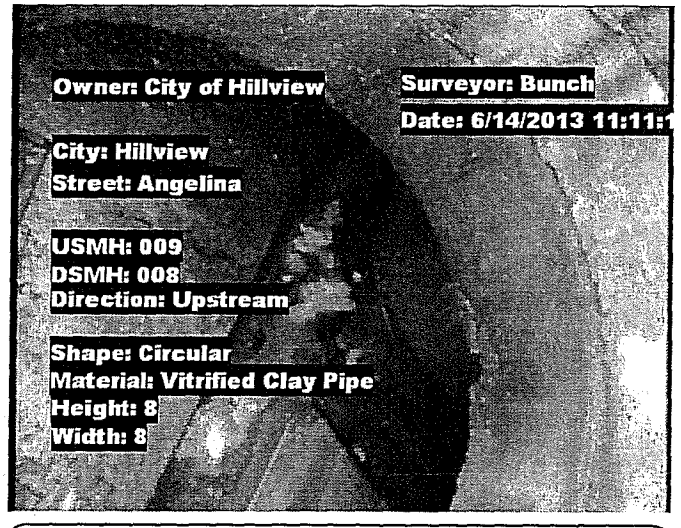
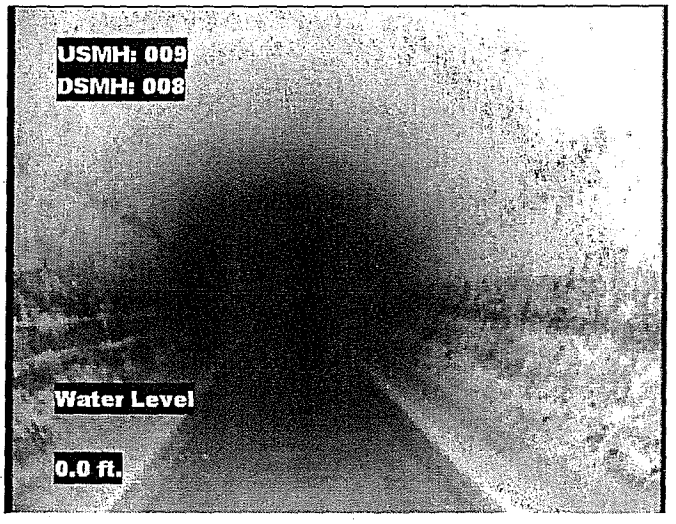
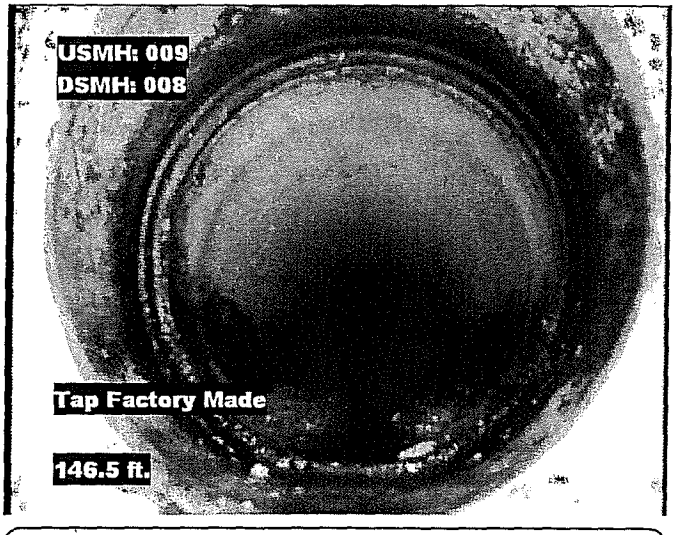
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
009_008	Hillview	Cannon Ct	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
009			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
008	161.2		10	10		



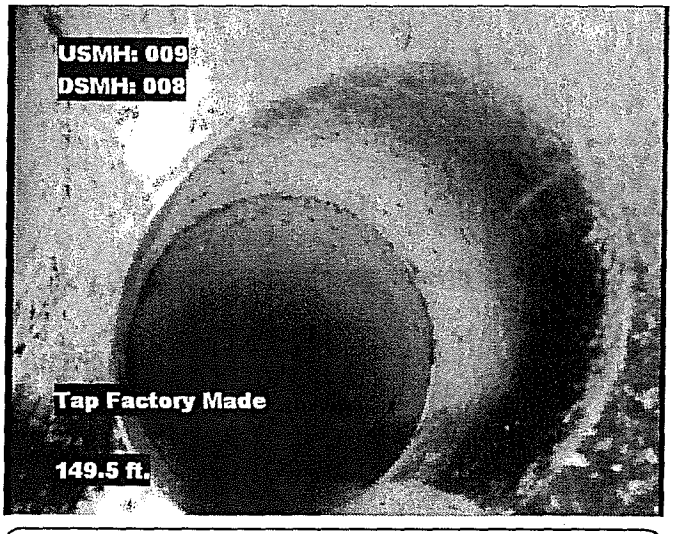
Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	008		



Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	146.5 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	149.5 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		

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PIPE EYES

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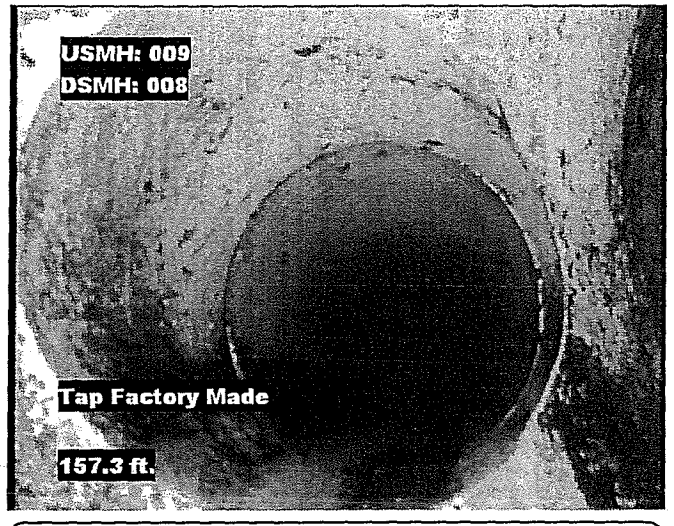
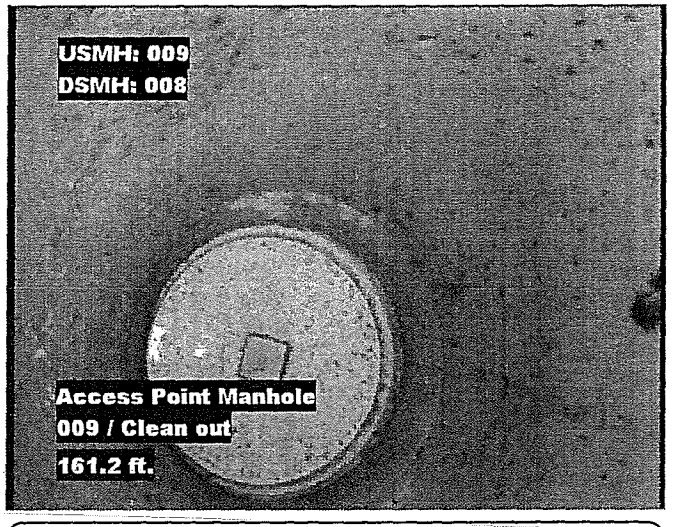
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
009_008	Hillview	Cannon Ct	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
009			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
008	161.2		10	10		



Distance: 157.3 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 161.2 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 009 / Clean out

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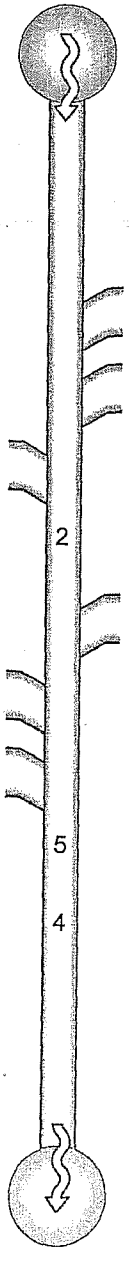
Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
008_010	Hillview	Cannon Ct	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
008			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
010	258.7		10	10		

SPR	5	MPR	6	PO Number	Customer: City of Hillview
SPRI	5	MPRI	3	Work Order	Purpose: Capital Improvement Program As...
QSR	5100	QMR	4121		

OPR	Surveyed By	Direction	Date	Media label
11	Bunch	Downstream	20130614	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
3.7		Jetting	11:25	Dry
Date Cleaned			End Time	Additional Info
20130613			11:47	



0.0 ft.	Access Point Manhole	
0.0 ft.	Water Level	
8.1 ft.	Tap Factory Made	
58.2 ft.	Tap Factory Made	
60.1 ft.	Tap Factory Made	
69.6 ft.	Obstacle Intruding Thru Wall	Water line threw pipe
126.9 ft.	Tap Factory Made	
128.3 ft.	Tap Factory Made	
151.7 ft.	Tap Factory Made	
248.0 ft.	Hole Soil Visible	
248.0 ft.	Infiltration Runner	
248.0 ft.	General Observation	Pipe Appears to be broke due to gas line
258.7 ft.	Access Point Manhole	

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PIPE EYES

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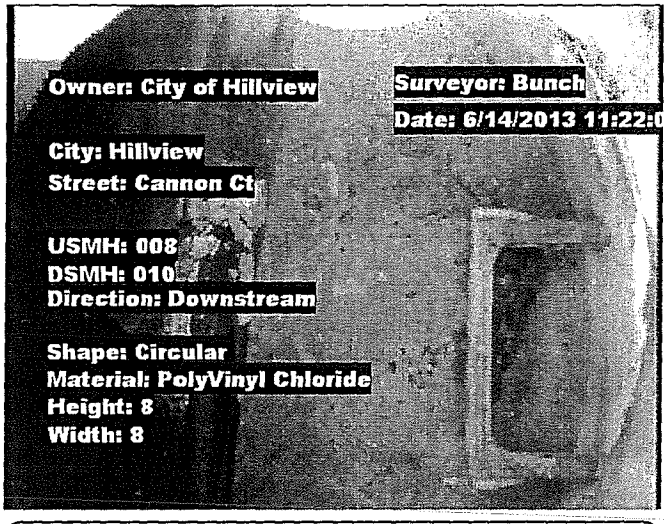
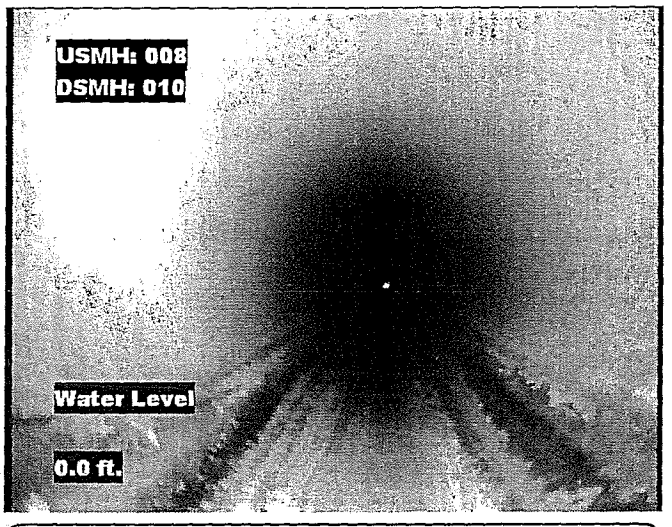
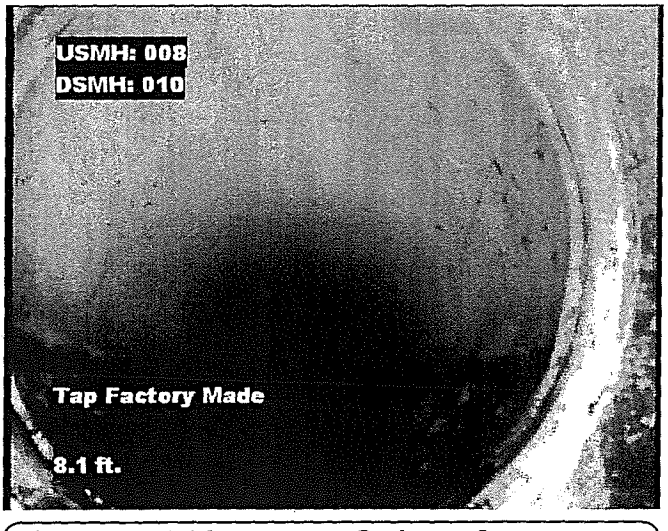
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
008_010	Hillview	Cannon Ct	PolyVinyl Chloride		Light High...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
008			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
010	258.7		10	10		



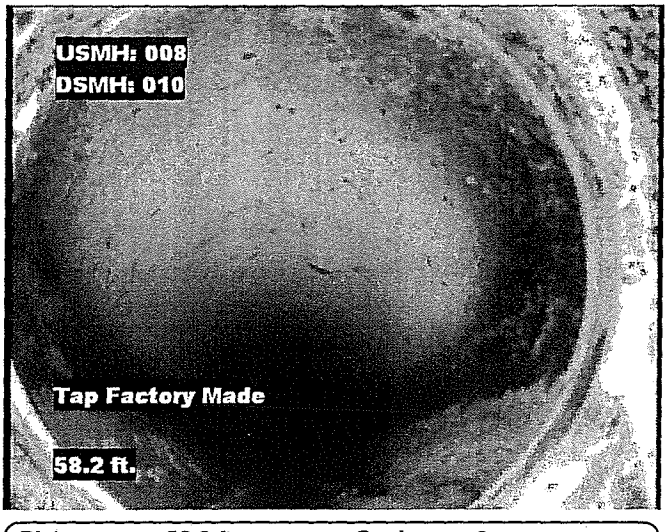
Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	008		



Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	8.1 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	58.2 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		

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PIPE EYES

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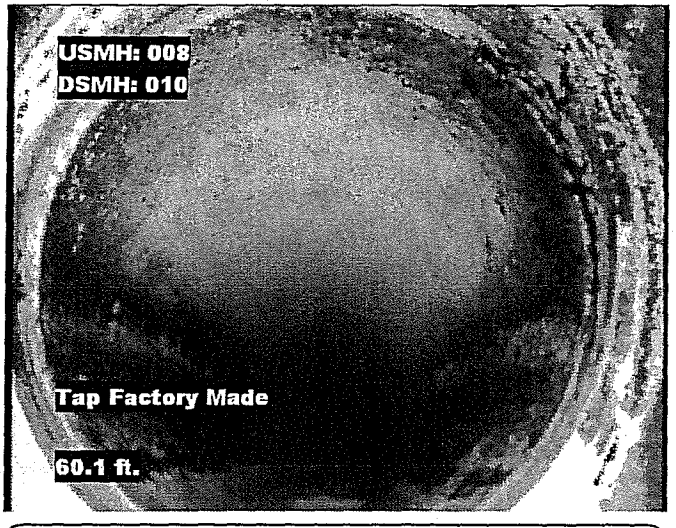
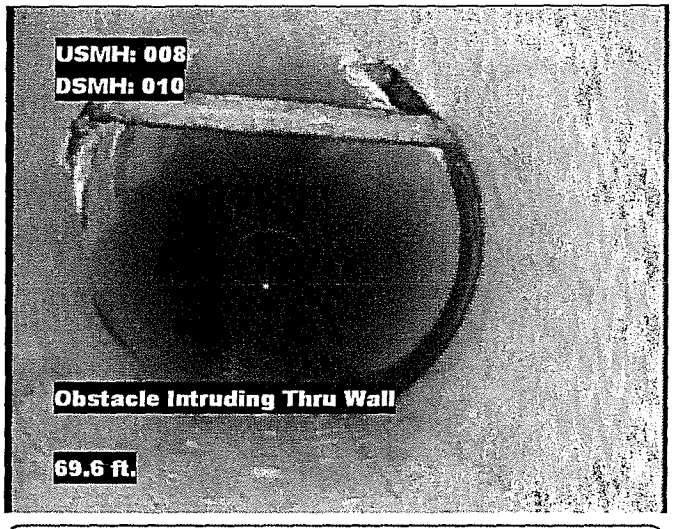
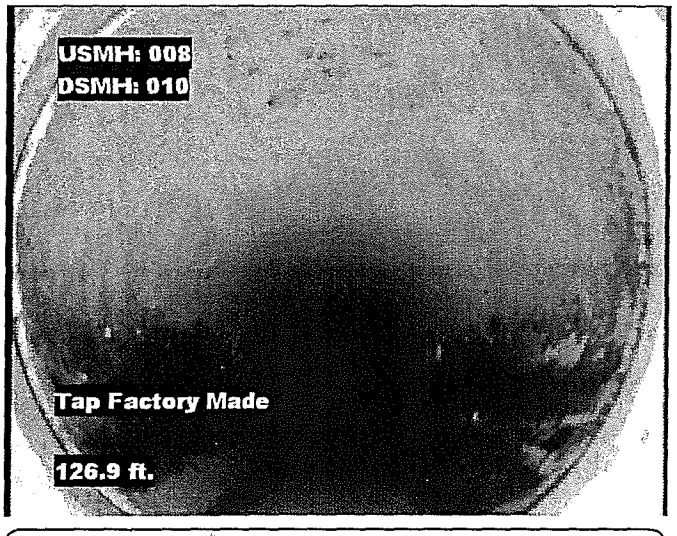
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
008_010	Hillview	Cannon Ct	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
008			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
010	258.7		10	10		



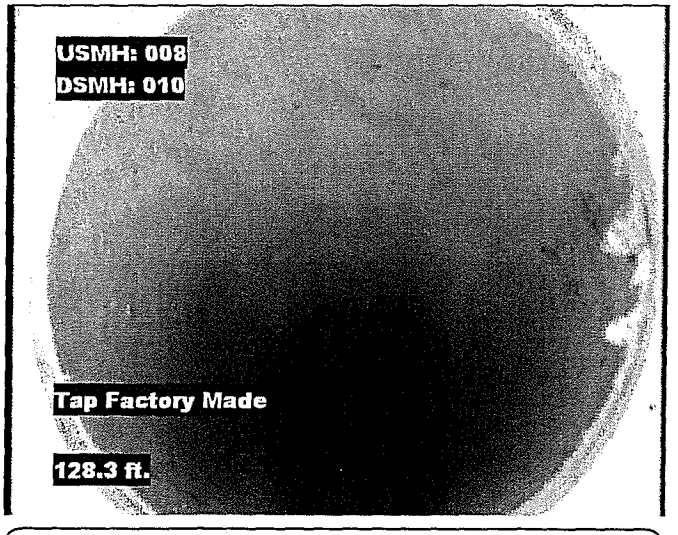
Distance: 60.1 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 69.6 ft. **Grade:** 2
Condition: Obstacle Intruding Thru Wall
Remarks: Water line threw pipe



Distance: 126.9 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 128.3 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A

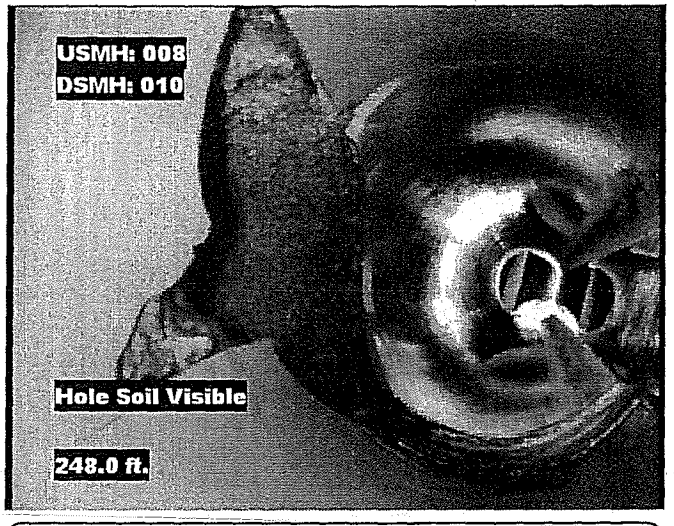
Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
(502)955*5288

PIPE EYES

Image Report 4/Page

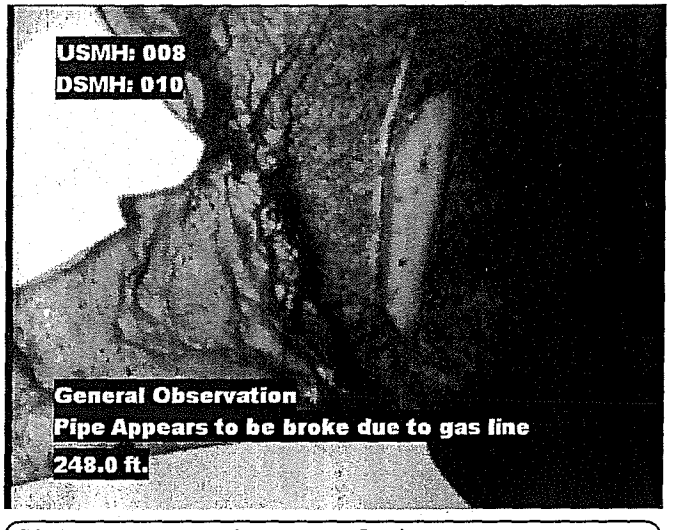
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
008_010	Hillview	Cannon Ct	PolyVinyl Chloride		Light High...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
008			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
010	258.7		10	10		

Distance: 151.7 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 248.0 ft. Grade: 5
Condition: Hole Soil Visible
Remarks: N/A

Distance: 248.0 ft. Grade: 4
Condition: Infiltration Runner
Remarks: N/A



Distance: 248.0 ft. Grade: 0
Condition: General Observation
Remarks: Pipe Appears to be broke due to gas line

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PIPE EYES

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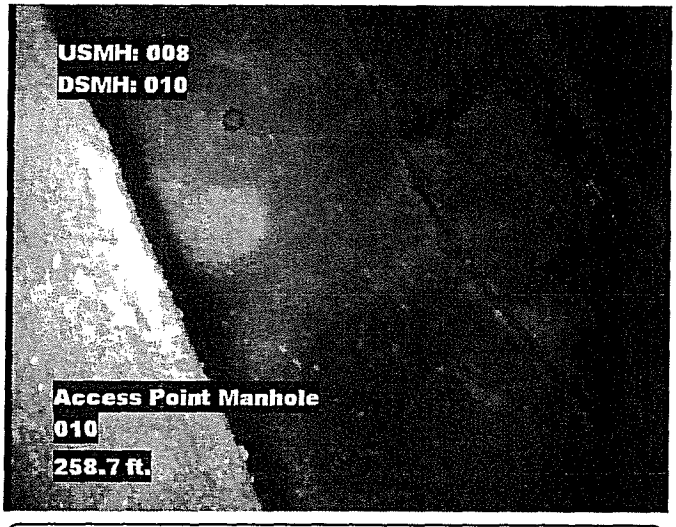
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
008_010	Hillview	Cannon Ct	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
008			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
010	258.7		10	10		



Distance: 258.7 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 010

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
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PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
011_010	Hillview	Arbor Tracee	PolyVinyl Chloride	Light High...	Sanitary

Upstream MH	Total Length	Year Laid	Shape	Location Details
011			Circular	

DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
010	220.5		10	10		

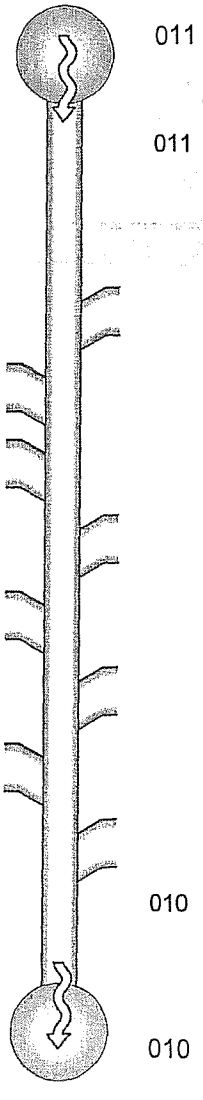
SPR	N/A	MPR	N/A	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	N/A	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	N/A		

OPR	Surveyed By	Direction	Date	Media label
N/A	Bunch	Downstream	20130614	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather
N/A		Jetting	12:05	Dry

Date Cleaned	End Time	Additional Info
20130613	12:16	

0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
5.9 ft.	Tap Factory Made
9.0 ft.	Tap Factory Made
47.7 ft.	Tap Factory Made
50.6 ft.	Tap Factory Made
75.2 ft.	Tap Factory Made
105.6 ft.	Tap Factory Made
131.7 ft.	Tap Factory Made
167.8 ft.	Tap Factory Made
220.5 ft.	Access Point Manhole



Pipe Eyes
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Louisville KY 40229 Kentucky 40229
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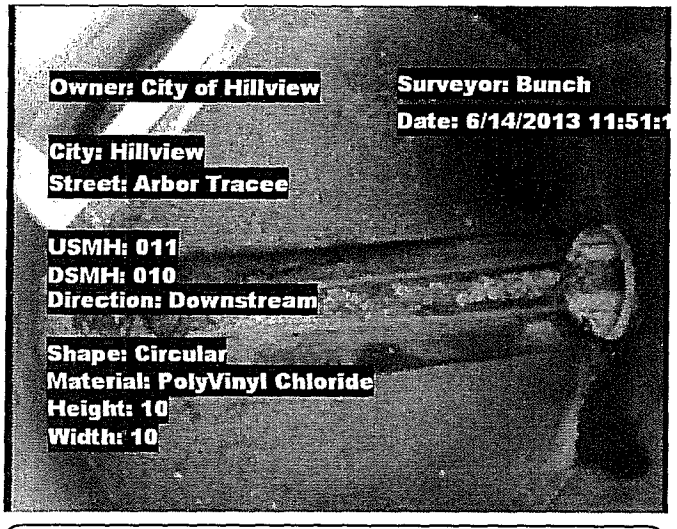
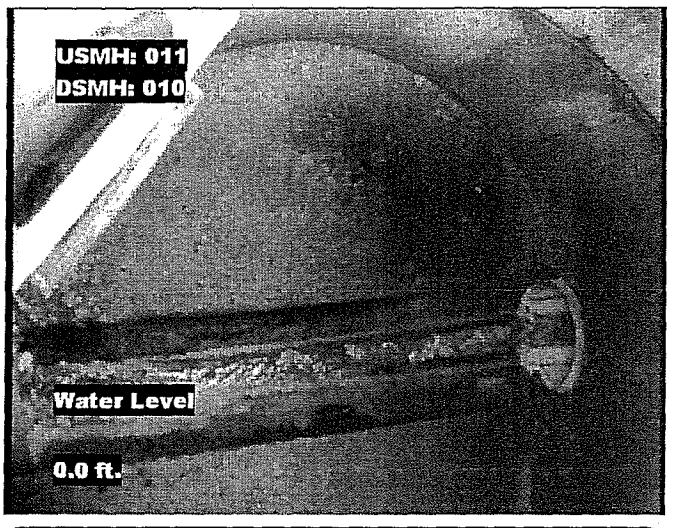
PIPE EYES

Image Report 4/Page

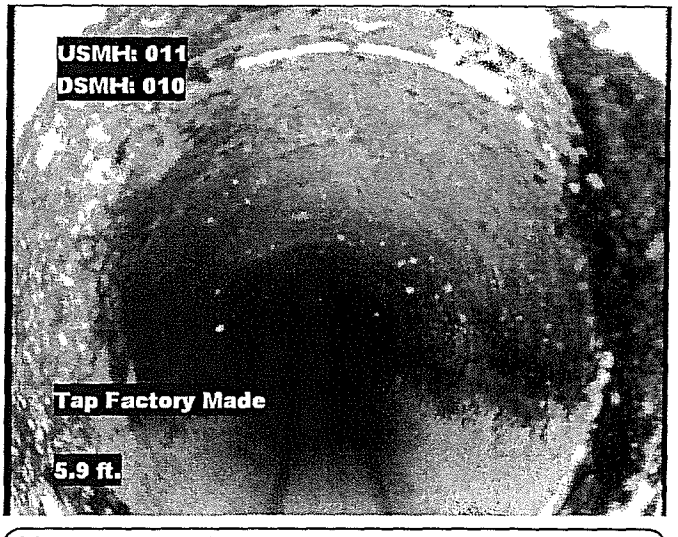
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
011_010	Hillview	Arbor Tracee	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
011			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
010	220.5		10	10		



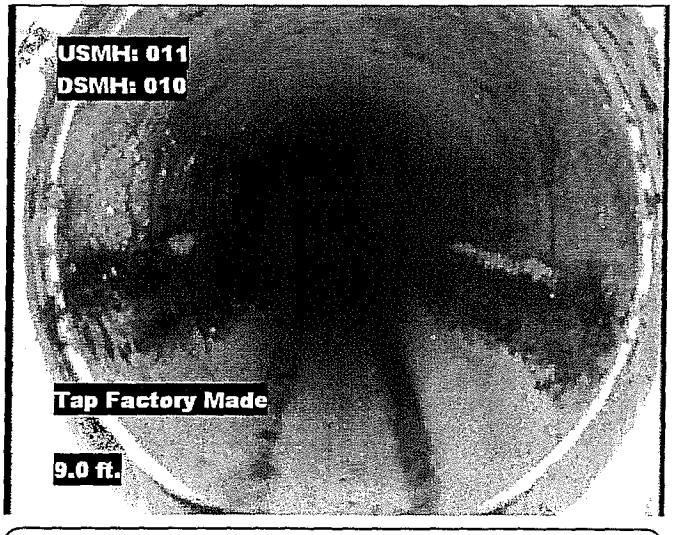
Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	011		



Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	5.9 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	9.0 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		

Pipe Eyes
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Louisville KY 40229 Kentucky 40229
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PIPE EYES

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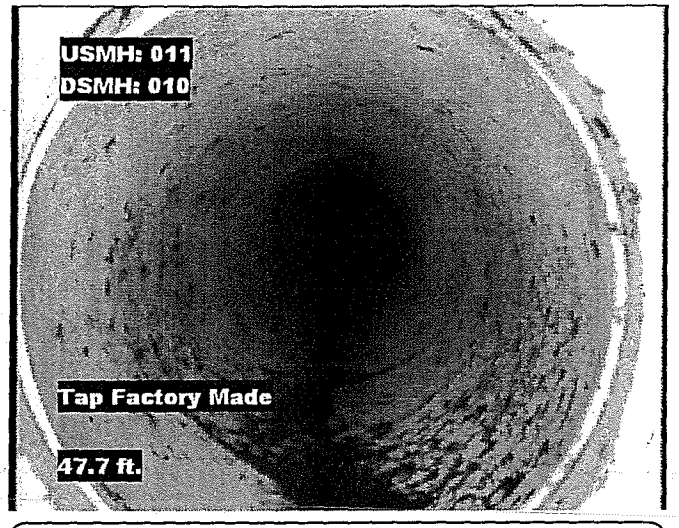
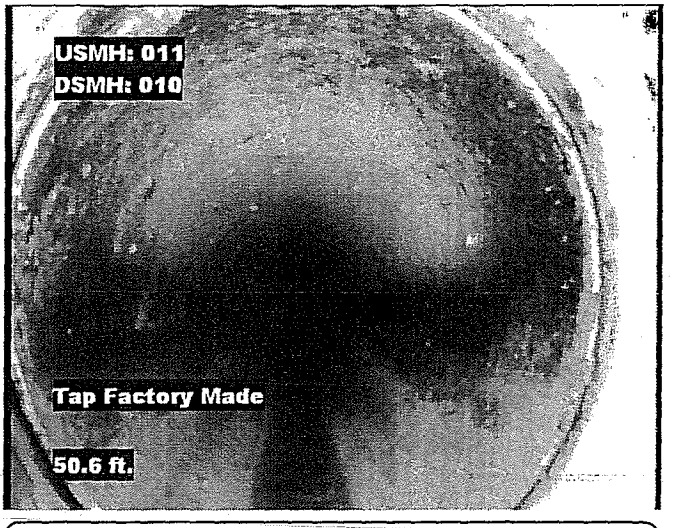
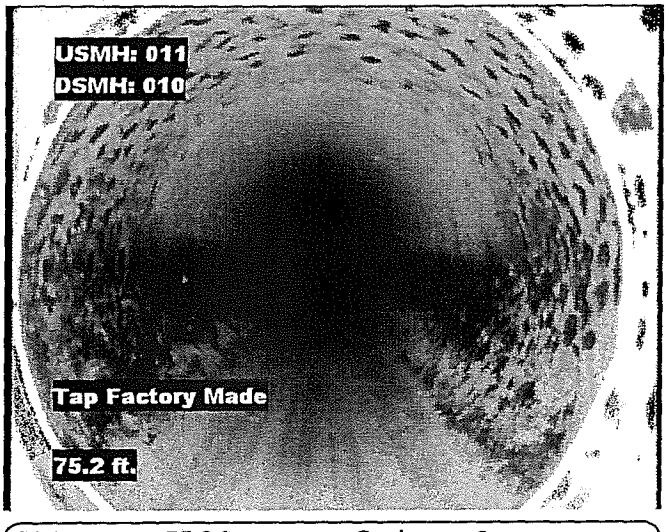
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
011_010	Hillview	Arbor Tracee	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
011			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
010	220.5		10	10		



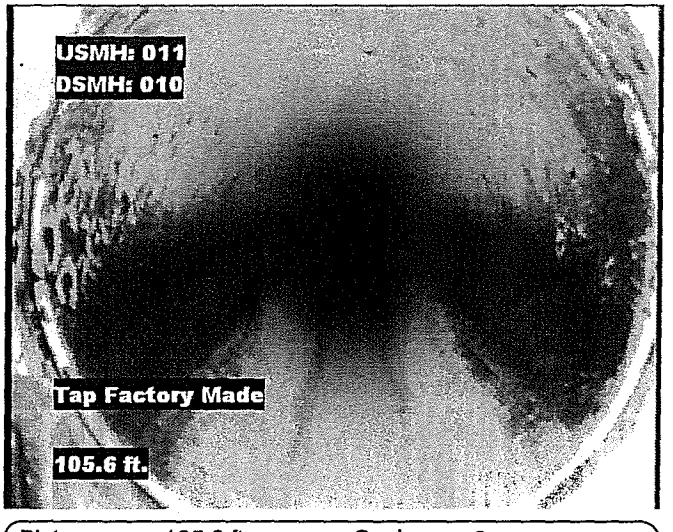
Distance: 47.7 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 50.6 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 75.2 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 105.6 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

Pipe Eyes
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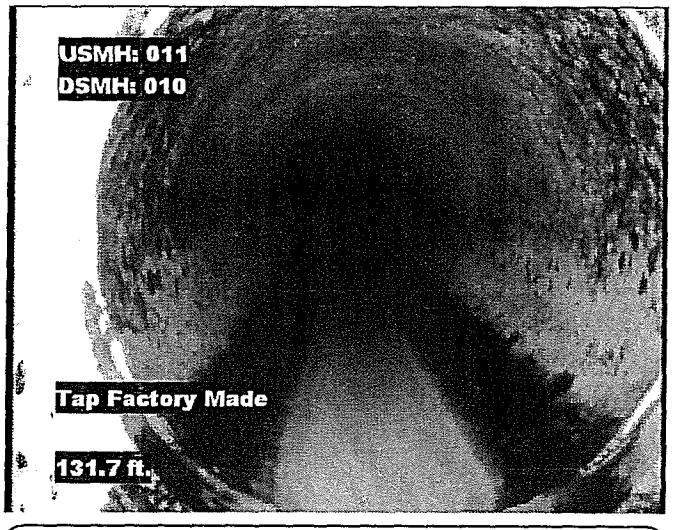
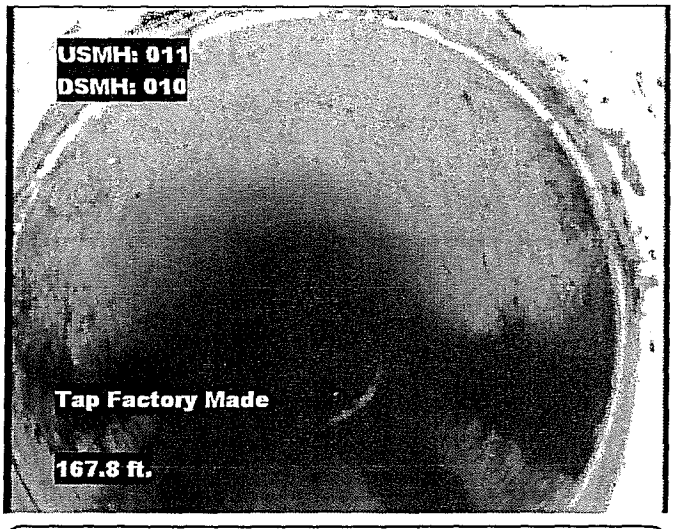
PIPE EYES

Image Report 4/Page

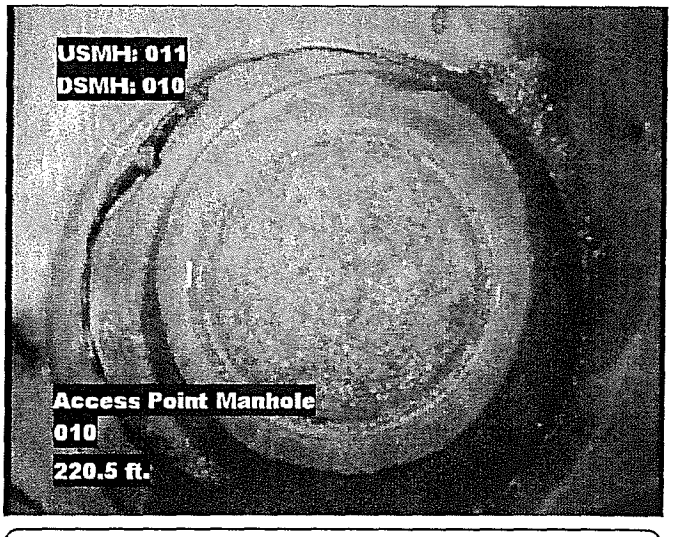
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
011_010	Hillview	Arbor Tracee	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
011			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
010	220.5		10	10		



Distance: 131.7 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 167.8 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 220.5 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 010

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PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
010_012	Hillview	Arbor Tracee	PolyVinyl Chloride	Light High...	Sanitar

Upstream MH	Total Length	Year Laid	Shape	Location Details
010			Circular	

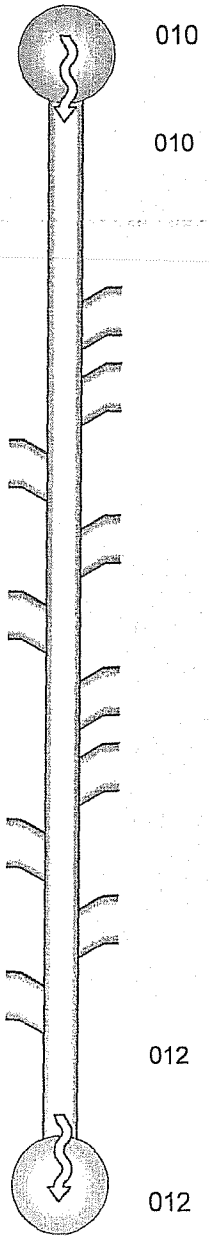
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
012	359.3		10	10		

SPR	N/A	MPR	N/A	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	N/A	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	N/A		

OPR	Surveyed By	Direction	Date	Media label
N/A	Bunch	Downstream	20130614	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A		Jetting	12:18	Dry	

Date Cleaned	End Time	Additional Info
20130613	12:49	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
8.7 ft.	Tap Factory Made
62.3 ft.	Tap Factory Made
90.9 ft.	Tap Factory Made
120.6 ft.	Tap Factory Made
174.4 ft.	Tap Factory Made
181.8 ft.	Tap Factory Made
240.4 ft.	Tap Factory Made
246.8 ft.	Tap Factory Made
301.2 ft.	Tap Factory Made
320.5 ft.	Tap Factory Made
359.3 ft.	Access Point Manhole

Pipe Eyes
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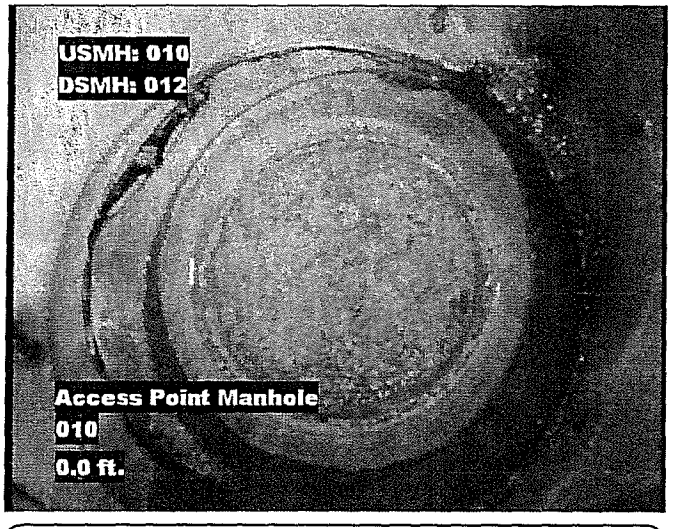
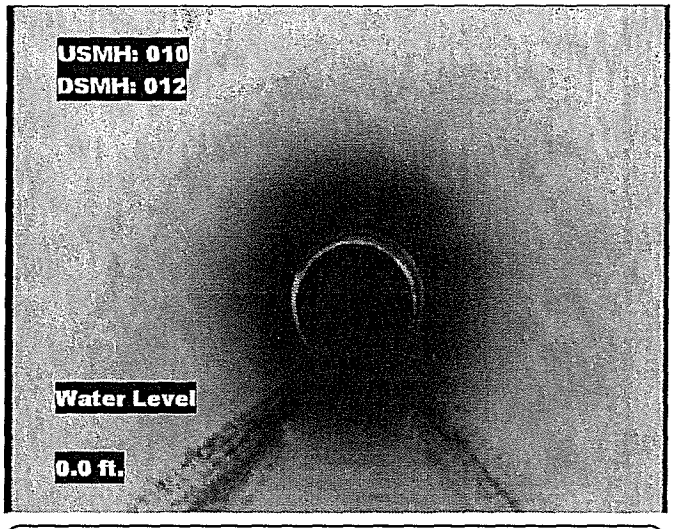
PIPE EYES

Image Report 4/Page

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
010_012	Hillview	Arbor Tracee	PolyVinyl Chloride	Light High...	Sanitary
Upstream MH	**Total Length**	**Year Laid**	**Shape**	**Location Details**	
010			Circular		
DS Manhole	**Length surveyed**	**Year Renewed**	**Height / Width**	**Pipe Joint...**	
012	359.3		10 / 10		

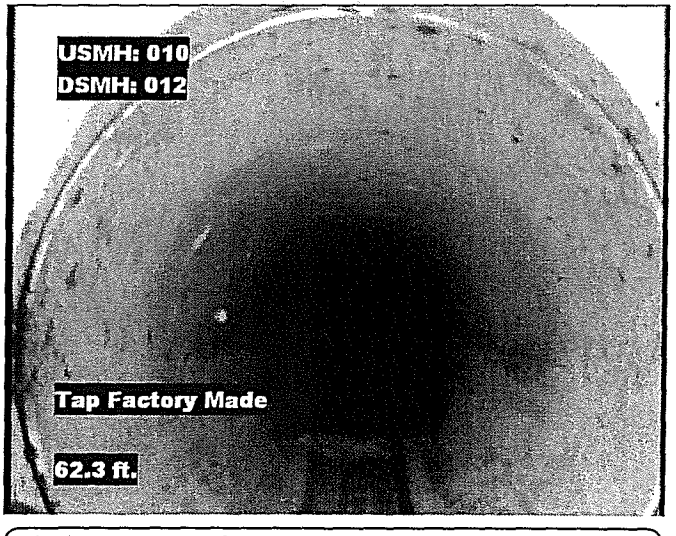


Distance: 0.0 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 010



Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 8.7 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 62.3 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
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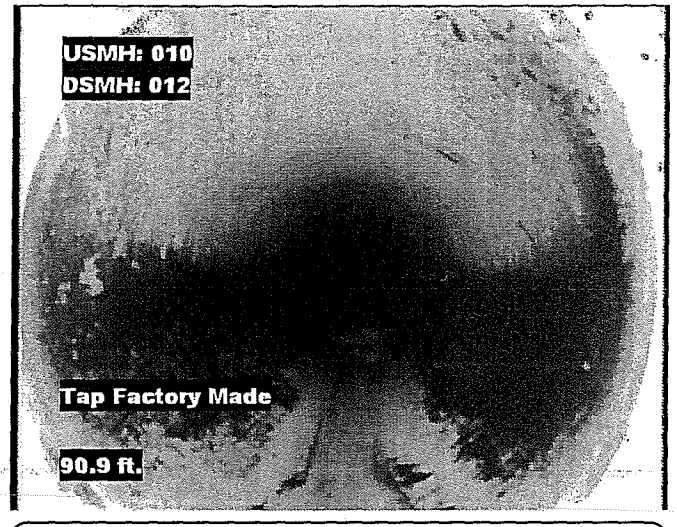
PIPE EYES

Image Report 4/Page

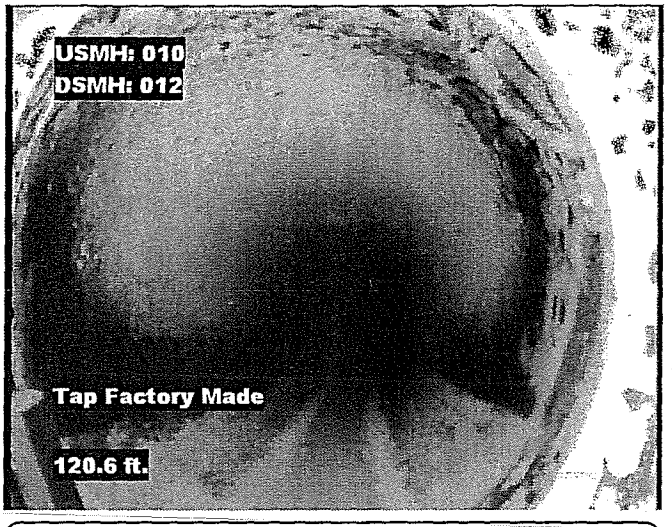
Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
010_012	Hillview	Arbor Tracee	PolyVinyl Chloride	Light High...	Sanitary

Upstream MH	Total Length	Year Laid	Shape	Location Details
010			Circular	

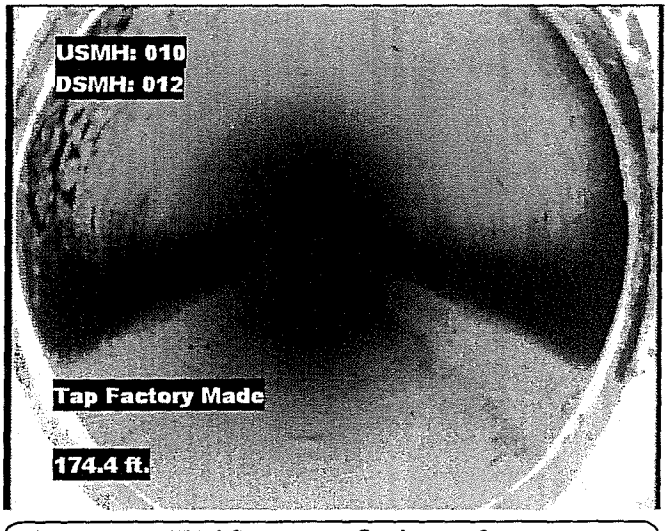
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
012	359.3		10	10		



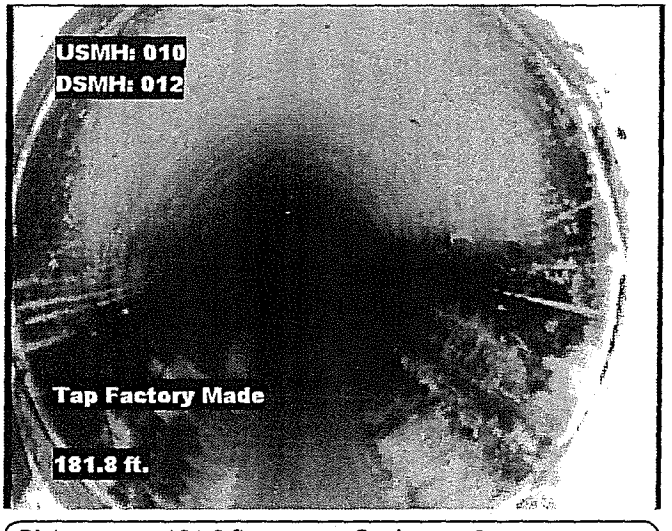
Distance: 90.9 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 120.6 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 174.4 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 181.8 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A

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PIPE EYES

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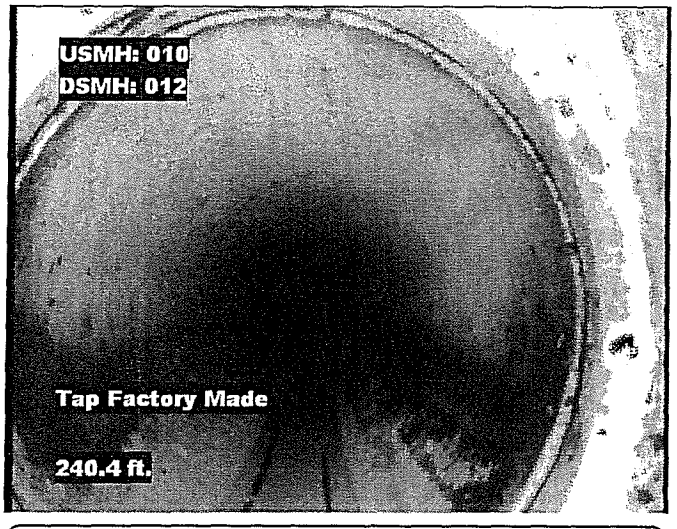
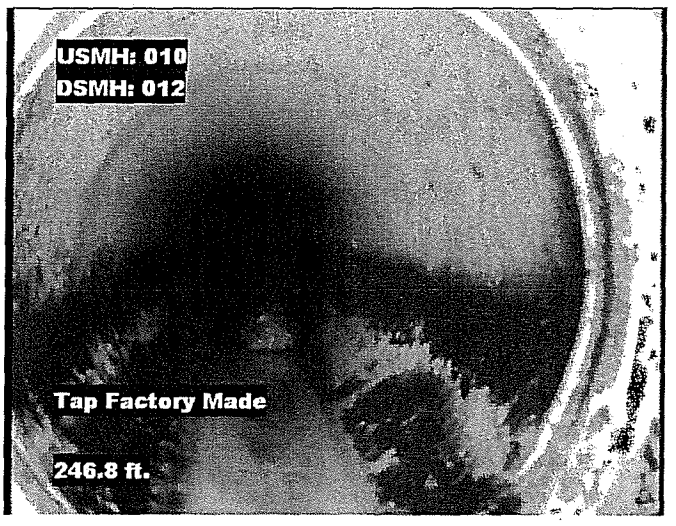
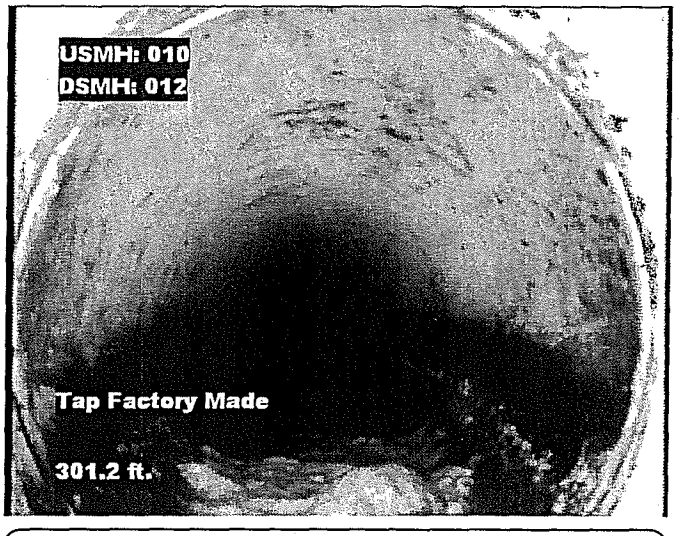
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
010_012	Hillview	Arbor Tracee	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
010			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
012	359.3		10	10		



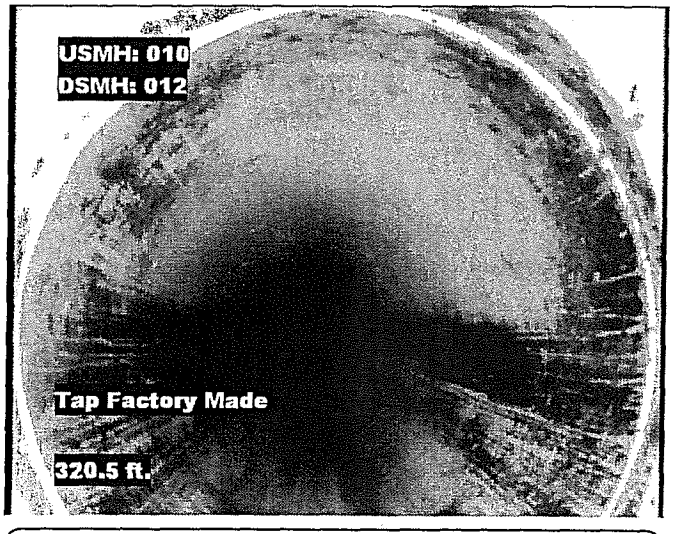
Distance: 240.4 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 246.8 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 301.2 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 320.5 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

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PIPE EYES

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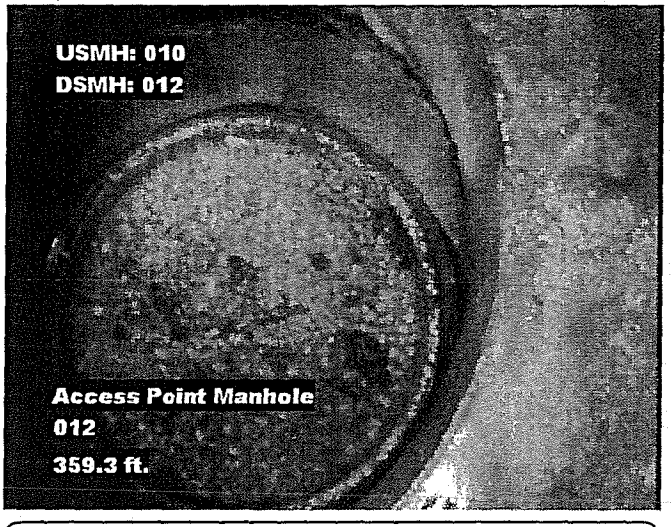
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
010_012	Hillview	Arbor Tracee	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
010			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
012	359.3		10	10		



Distance:	359.3 ft.	**Grade:**	0
Condition:	Access Point Manhole		
Remarks:	012		

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PIPE EYES

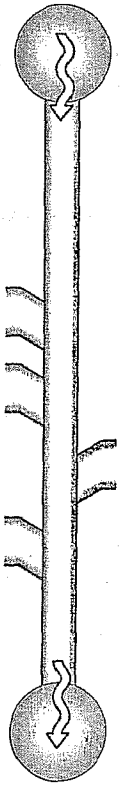
Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
012_013	Hillview	Arbor Tracee	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
012			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
013	149.5		10	10		

SPR	N/A	MPR	N/A	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	N/A	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	N/A		

OPR	Surveyed By	Direction	Date	Media label
N/A	Bunch	Downstream	20130614	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
N/A		Jetting	13:21	Dry
Date Cleaned			End Time	Additional Info
20130613			13:35	

0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
11.3 ft.	Tap Factory Made
27.8 ft.	Tap Factory Made
118.2 ft.	Tap Factory Made
120.9 ft.	Tap Factory Made
149.5 ft.	Access Point Manhole



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PIPE EYES

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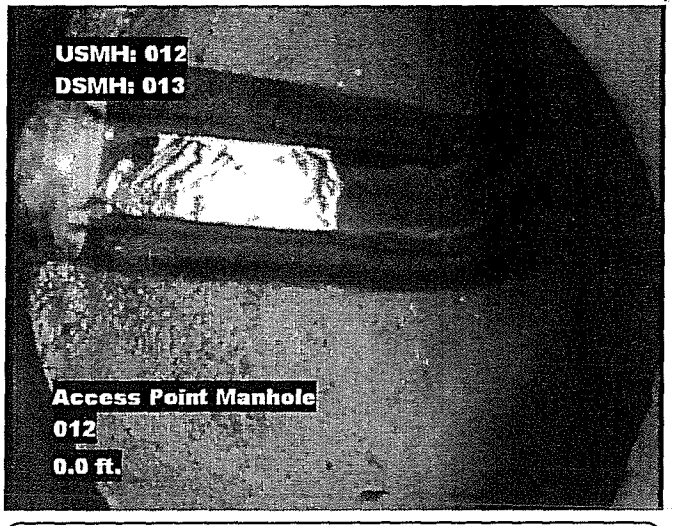
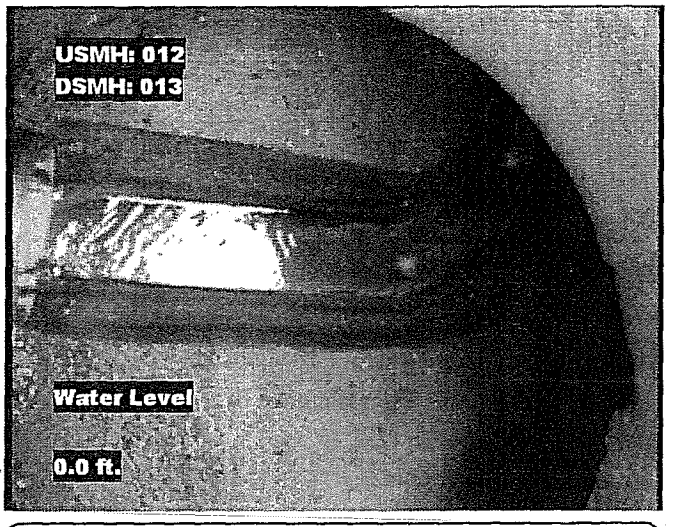
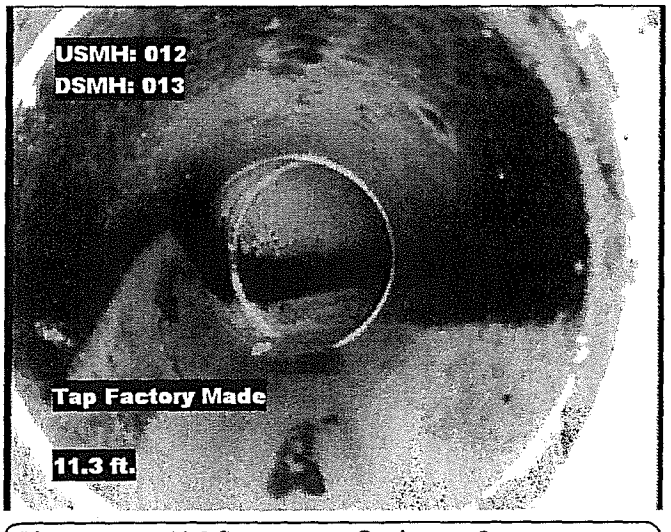
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
012_013	Hillview	Arbor Tracee	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
012			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
013	149.5		10	10		



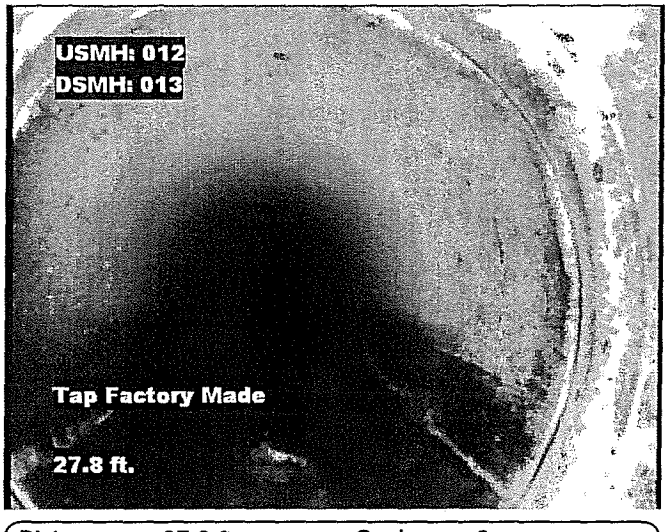
Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: 012



Distance: 0.0 ft. Grade: 0
Condition: Water Level
Remarks: N/A



Distance: 11.3 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 27.8 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
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PIPE EYES

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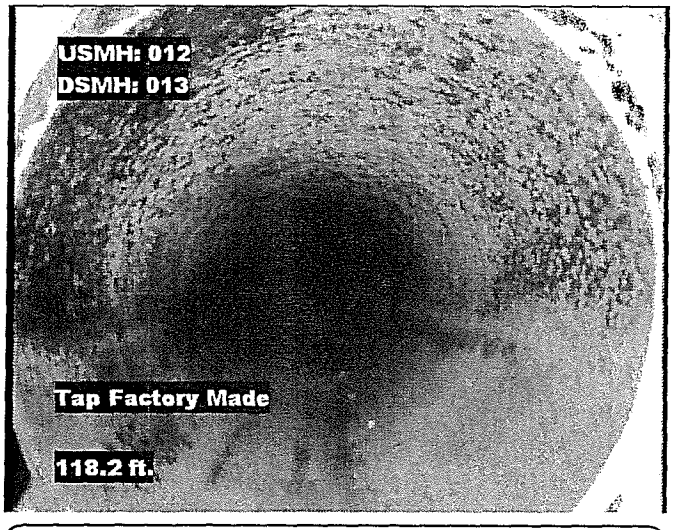
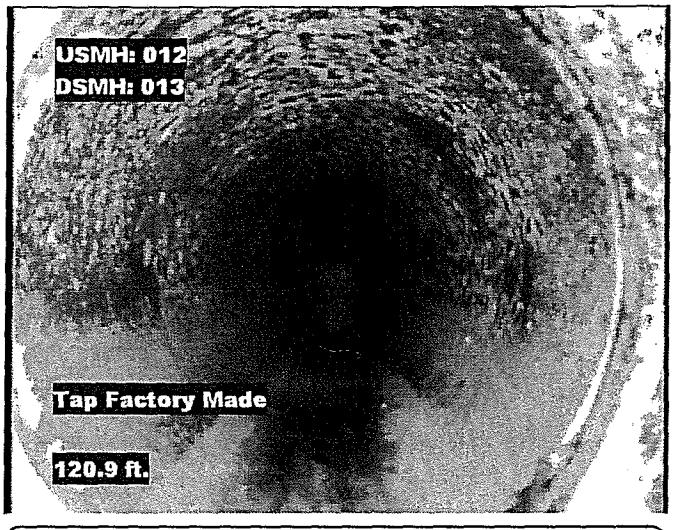
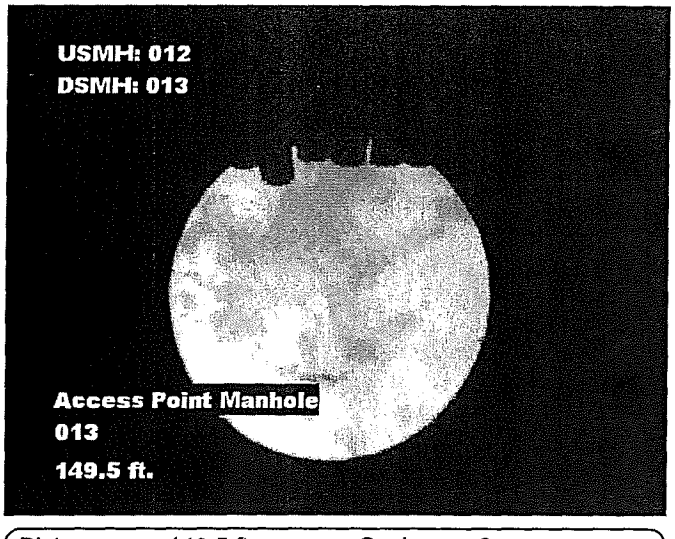
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
012_013	Hillview	Arbor Tracee	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
012			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
013	149.5		10	10		



Distance: 118.2 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 120.9 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 149.5 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 013

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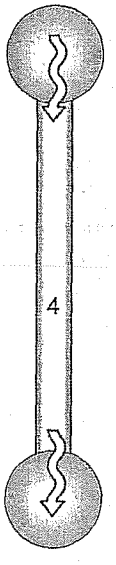
Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
013_014	Hillview	Arbor Tracee	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
013			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
014	117.5		10	10		

SPR	N/A	MPR	4	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	4	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	4100		

OPR	Surveyed By	Direction	Date	Media label
4	Bunch	Downstream	20130614	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
4		Jetting	13:41	Dry
Date Cleaned			End Time	Additional Info
20130613			13:46	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
117.5 ft.	Roots Medium Barrel
117.5 ft.	Access Point Manhole

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PIPE EYES

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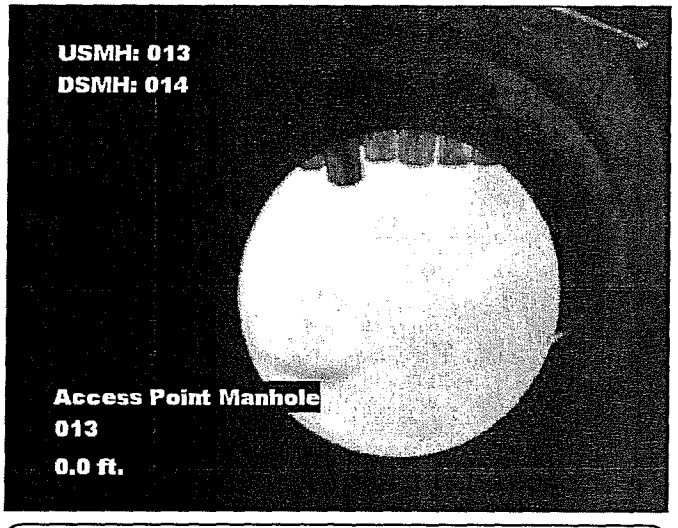
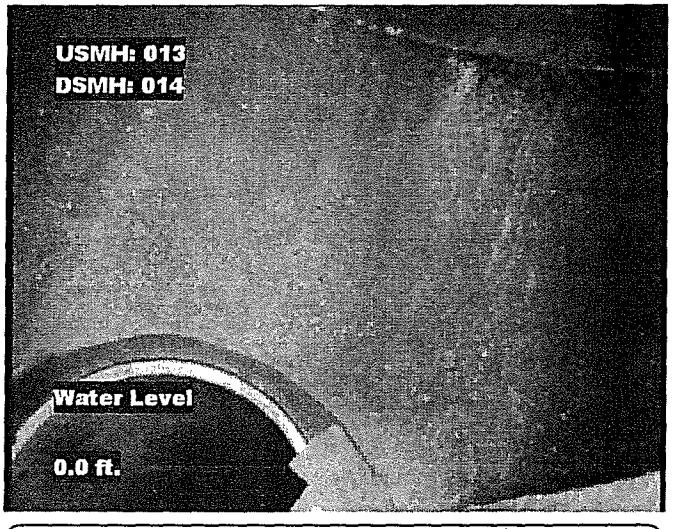
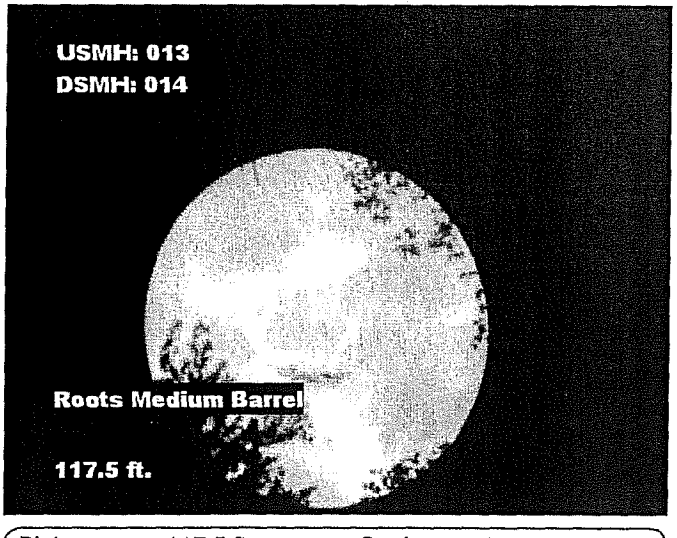
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
013_014	Hillview	Arbor Tracee	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
013			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
014	117.5		10	10		



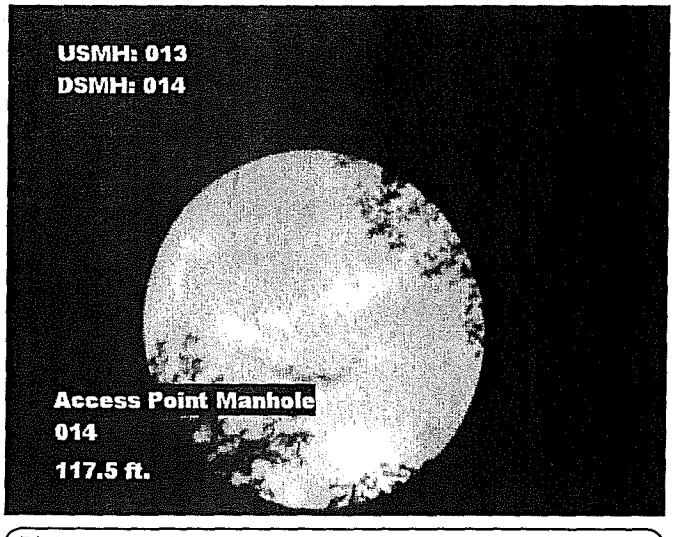
Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	013		



Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	117.5 ft.	Grade:	4
Condition:	Roots Medium Barrel		
Remarks:	N/A		



Distance:	117.5 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	014		

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PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
014_007	Hillview	Arbor Tracee	PolyVinyl Chloride	Easement/R...	Sanitar

Upstream MH	Total Length	Year Laid	Shape	Location Details
014			Circular	

DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
007	182		10	10		

SPR	N/A	MPR	N/A	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	N/A	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	N/A		

OPR	Surveyed By	Direction	Date	Media label
N/A	Bunch	Downstream	20130614	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A		Jetting	13:51	Dry	

Date Cleaned	End Time	Additional Info
20130613	13:59	

0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
1.6 ft.	Tap Break-In Active
182.0 ft.	Access Point Manhole

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PIPE EYES

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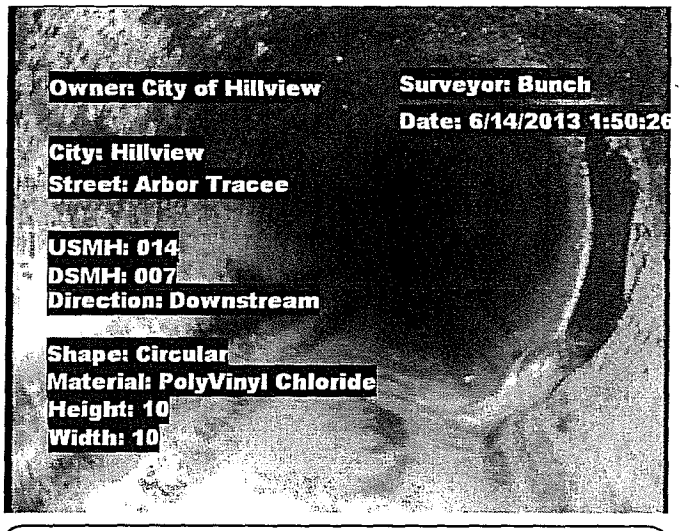
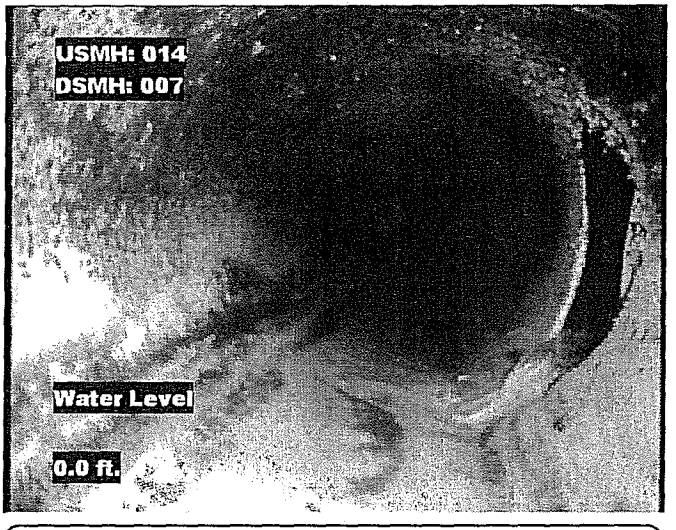
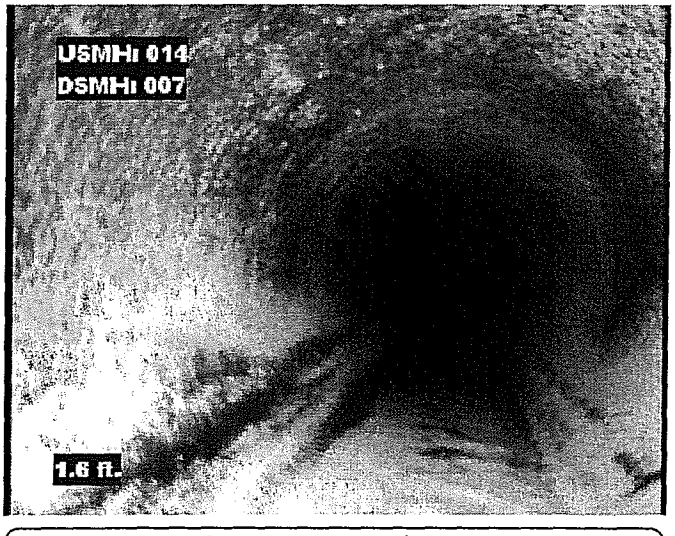
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
014_007	Hillview	Arbor Tracee	PolyVinyl Chloride		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
014			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
007	182		10	10		



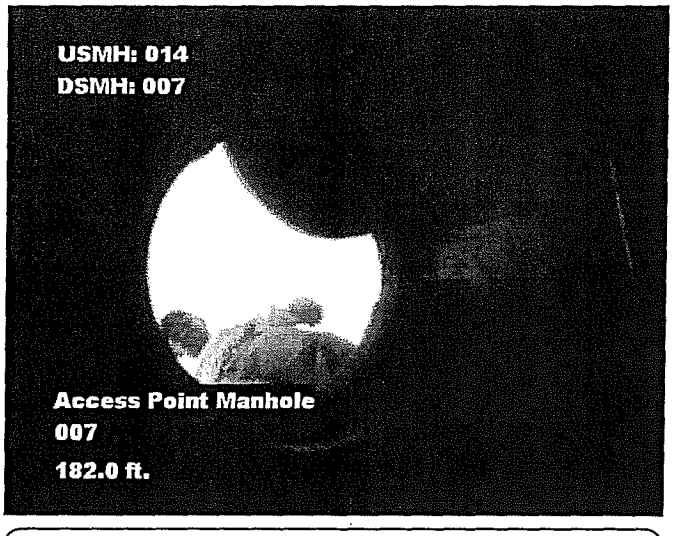
Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	014		



Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	1.6 ft.	Grade:	0
Condition:	Tap Break-In Active		
Remarks:	N/A		



Distance:	182.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	007		

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Louisville KY 40229 Kentucky 40229
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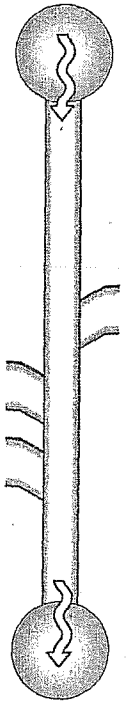
PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
007_015	Hillview	Angelina	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
007			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
015	120.7		8	8		

SPR	N/A	MPR	N/A	PO Number	Customer
SPRI	N/A	MPRI	N/A		City of Hillview
QSR	N/A	QMR	N/A	Work Order	Purpose
					Capital Improvement Program As...

OPR	Surveyed By	Direction	Date	Media label
N/A	Bunch	Downstream	20130614	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
N/A		Jetting	14:41	Dry
Date Cleaned			End Time	Additional Info
20130613			14:54	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
61.1 ft.	Tap Factory Made
65.2 ft.	Tap Factory Made
118.5 ft.	Tap Factory Made
120.7 ft.	Access Point Manhole

PIPE EYES

Pipe Eyes
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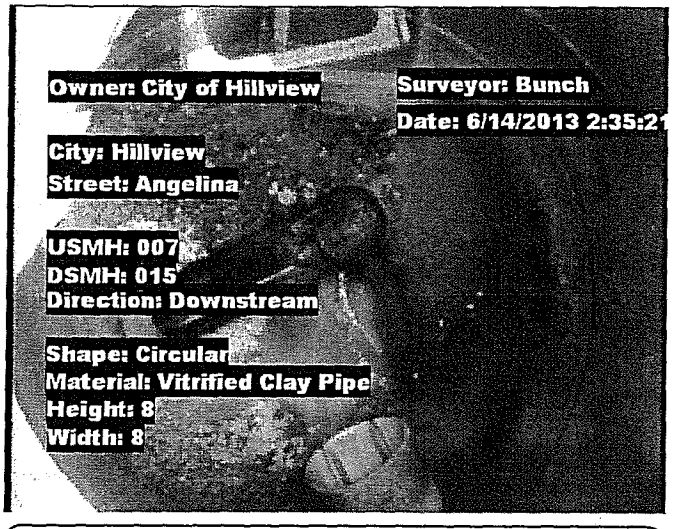
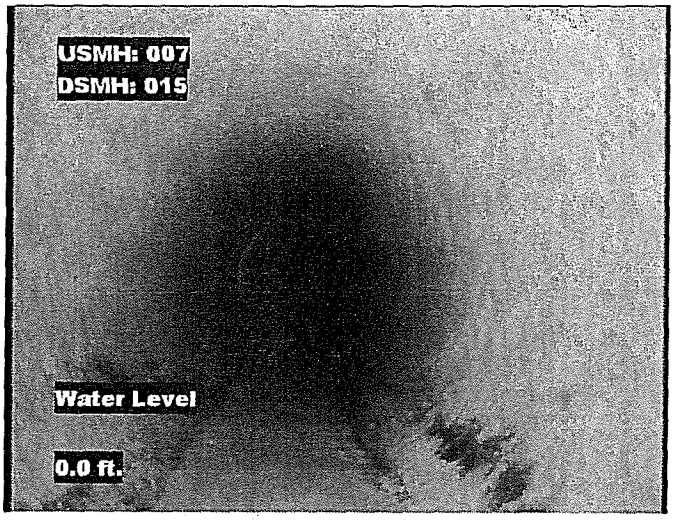
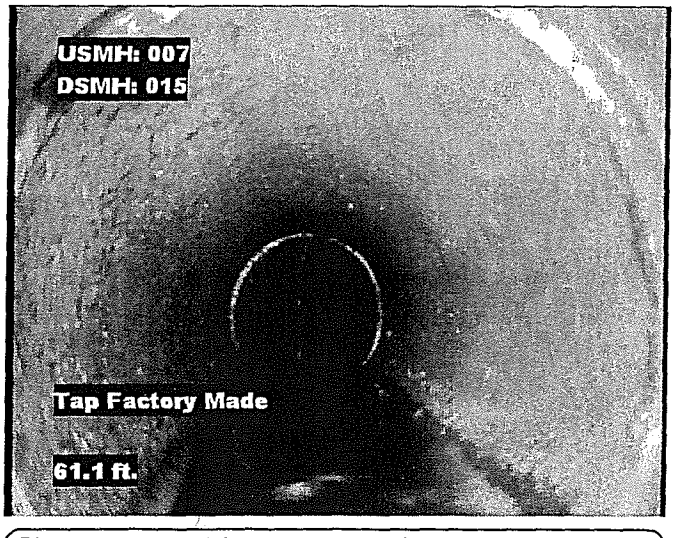
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
007_015	Hillview	Angelina	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
007			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
015	120.7		8	8		



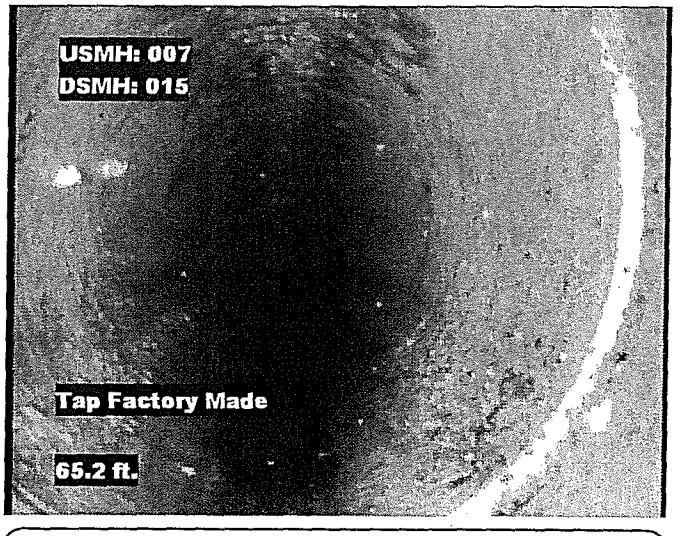
Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	007		



Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	61.1 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	65.2 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		

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PIPE EYES

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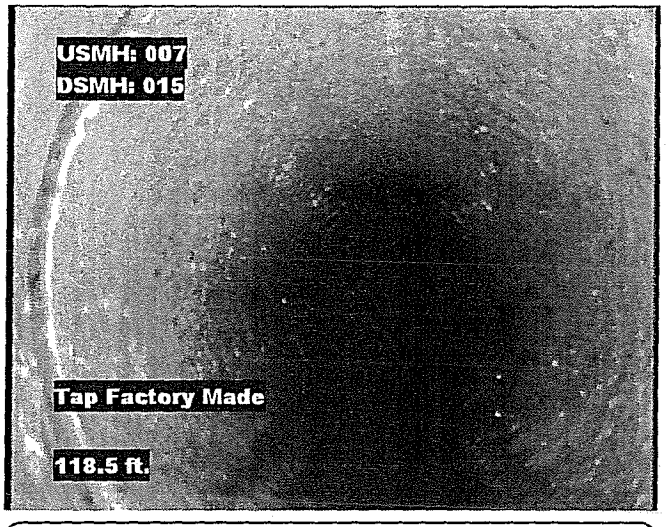
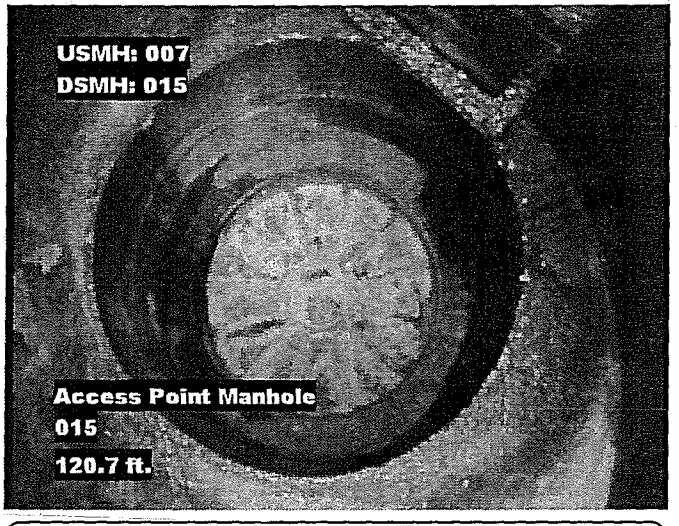
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
007_015	Hillview	Angelina	Vitrified Clay Pipe		Light High...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
007			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
015	120.7		8	8		



Distance: 118.5 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 120.7 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 015

Pipe Eyes
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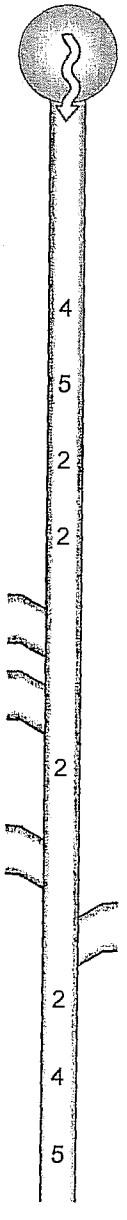
PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
015_016	Hillview	Angelina	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
015			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
016	279.1		8	8		

SPR	18	MPR	82	PO Number	Customer: City of Hillview
SPRI	3.6	MPRI	2.1	Work Order	Purpose: Capital Improvement Program As...
QSR	5241	QMR	412F		

OPR	Surveyed By	Direction	Date	Media label
100	Bunch	Downstream	20130614	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
2.2		Jetting	14:58	Dry
Date Cleaned			End Time	Additional Info
20130613			15:16	



0.0 ft.	Access Point Manhole	015
0.0 ft.	Water Level	015
7.2 ft.	Roots Ball Joint	
25.1 ft.	Hole Soil Visible	Due to water line
25.1 ft.	Obstacle Intruding Thru Wall	Water line through pipe
26.0 ft.	Fracture Circumferential	
27.8 ft.	Tap Factory Made	
83.9 ft.	Tap Factory Made	
90.4 ft.	Deposits Attached Grease - S01	
149.7 ft.	Tap Factory Made	
156.9 ft.	Tap Factory Made	
192.4 ft.	Fracture Circumferential	
193.8 ft.	Fracture Multiple	
195.2 ft.	Hole Soil Visible	

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Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
015_016	Hillview	Angelina	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
015			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
016	279.1		8	8		

SPR	18	MPR	82	PO Number	Customer: City of Hillview
SPRI	3.6	MPRI	2.1	Work Order	Purpose: Capital Improvement Program As...
QSR	5241	QMR	412F		

OPR	Surveyed By	Direction	Date	Media label
100	Bunch	Downstream	20130614	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
2.2		Jetting	14:58	Dry
Date Cleaned			End Time	Additional Info
20130613			15:16	

208.0 ft. Tap Factory Made

210.0 ft. Tap Factory Made

266.3 ft. Tap Factory Made

279.1 ft. Access Point Manhole

279.1 ft. Deposits Attached Grease - F01

Pipe Eyes
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PIPE EYES

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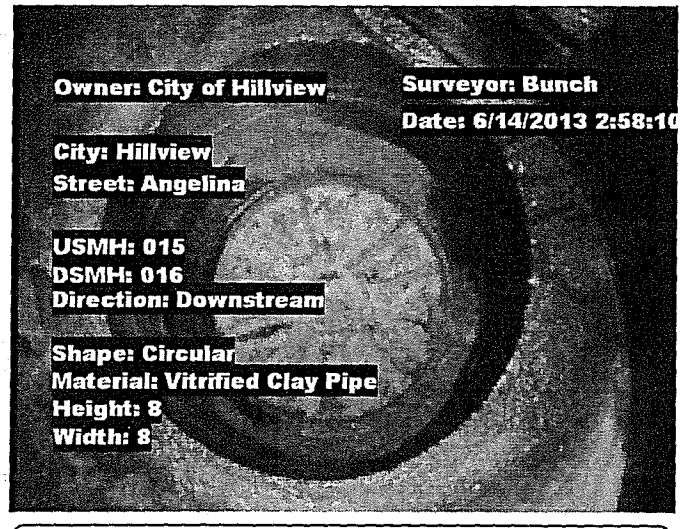
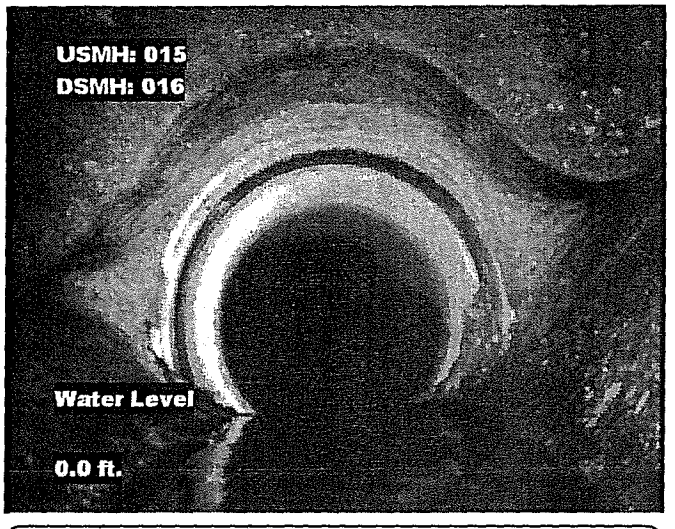
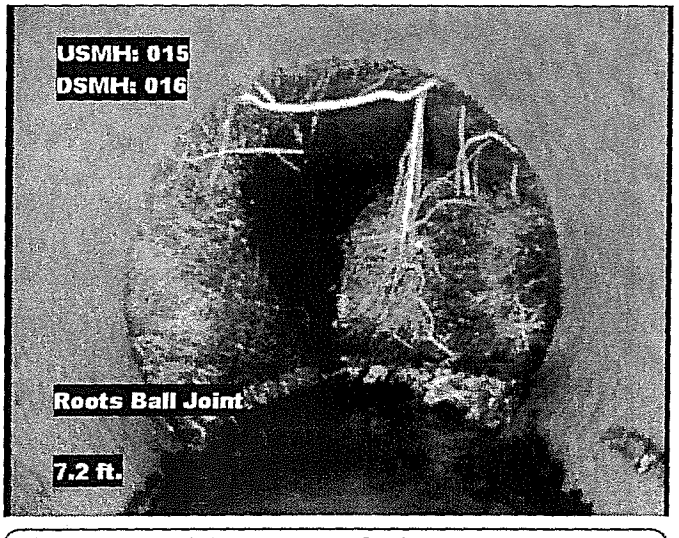
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
015_016	Hillview	Angelina	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
015			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
016	279.1		8	8		



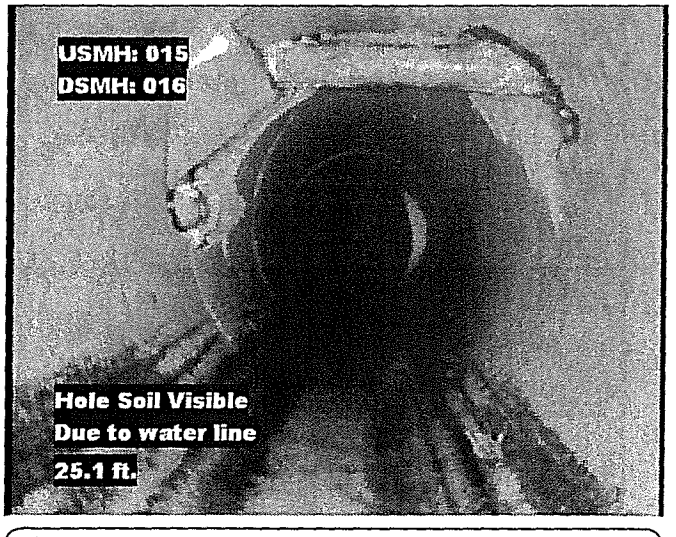
Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	015		



Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	7.2 ft.	Grade:	4
Condition:	Roots Ball Joint		
Remarks:	N/A		



Distance:	25.1 ft.	Grade:	5
Condition:	Hole Soil Visible		
Remarks:	Due to water line		

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PIPE EYES

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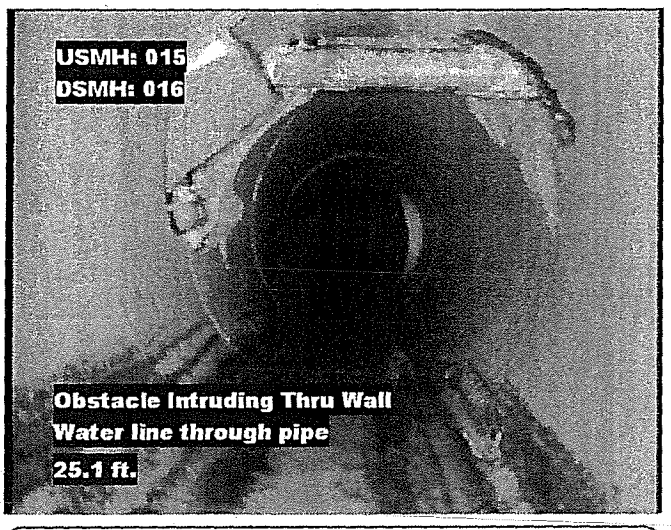
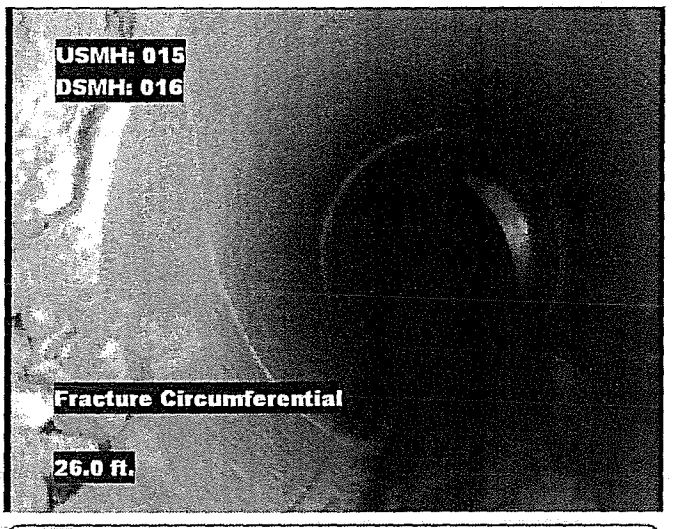
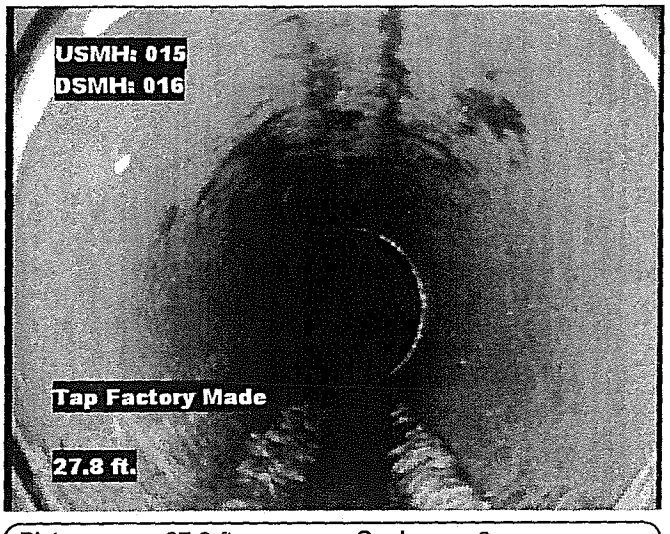
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
015_016	Hillview	Angelina	Vitrified Clay Pipe		Light High...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
015			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
016	279.1		8	8		



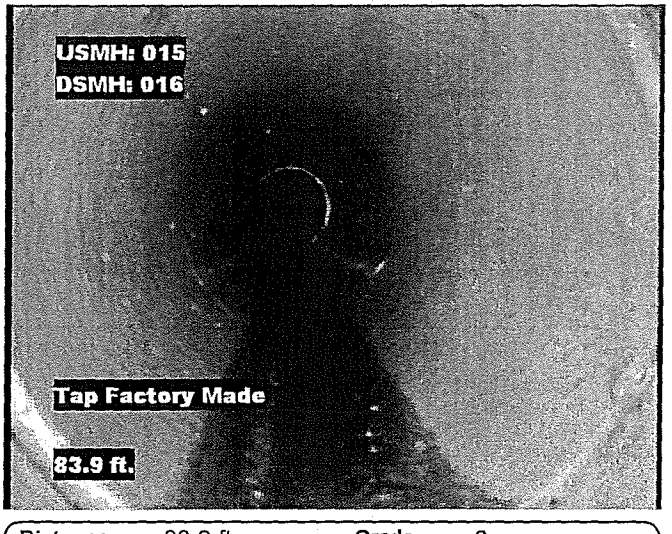
Distance: 25.1 ft. **Grade:** 2
Condition: Obstacle Intruding Thru Wall
Remarks: Water line through pipe



Distance: 26.0 ft. **Grade:** 2
Condition: Fracture Circumferential
Remarks: N/A



Distance: 27.8 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 83.9 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A

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PIPE EYES

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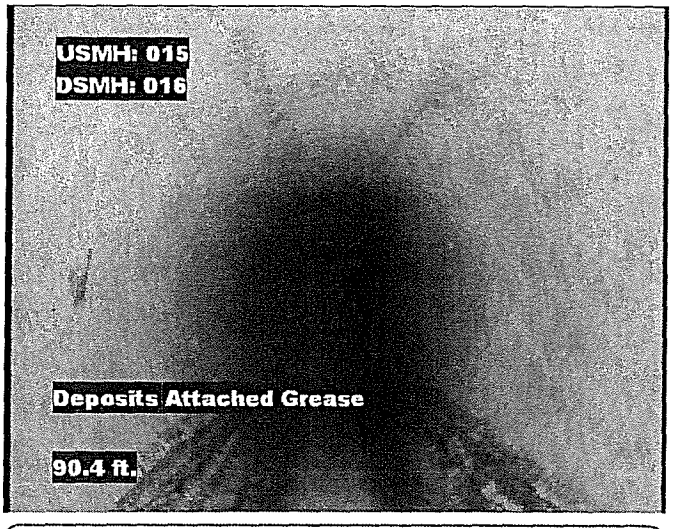
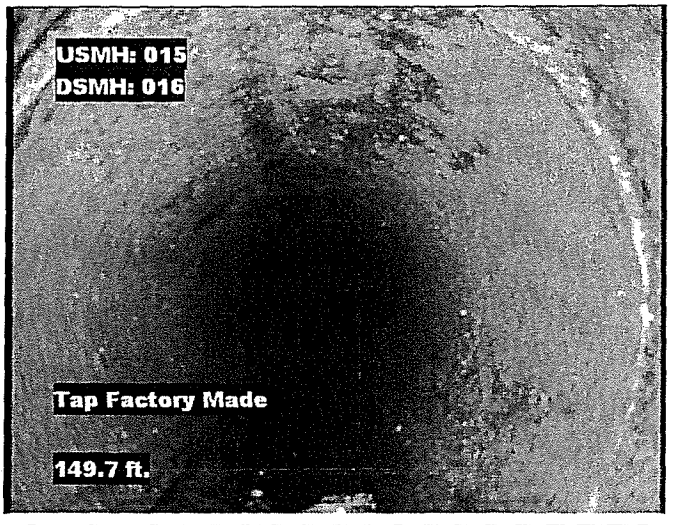
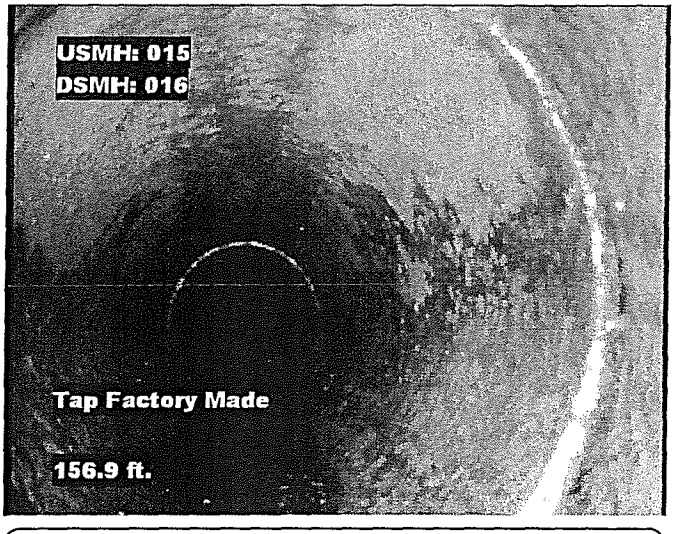
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
015_016	Hillview	Angelina	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
015			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
016	279.1		8	8		



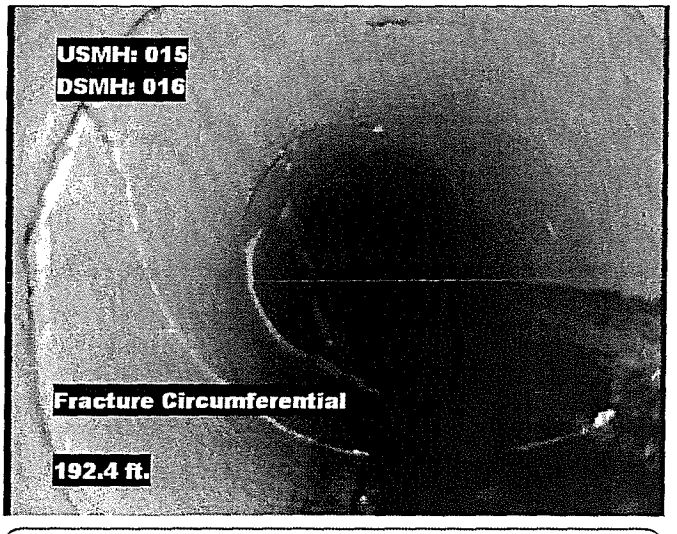
Distance: 90.4 ft. **Grade:** 2
Condition: Deposits Attached Grease
Remarks: N/A



Distance: 149.7 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 156.9 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 192.4 ft. **Grade:** 2
Condition: Fracture Circumferential
Remarks: N/A

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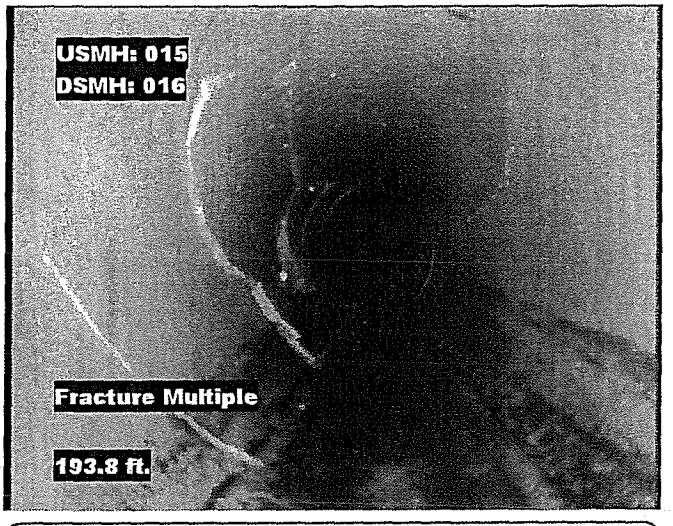
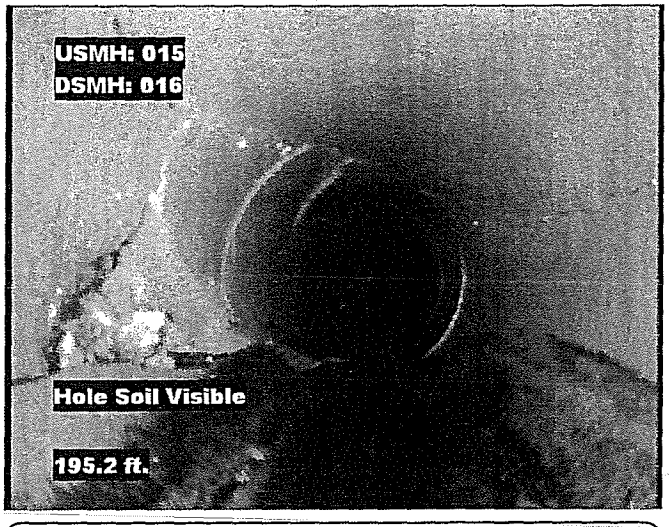
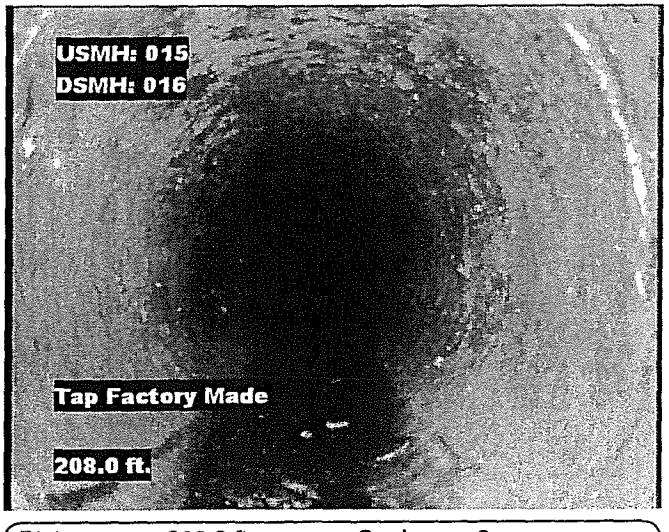
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
015_016	Hillview	Angelina	Vitrified Clay Pipe		Light High...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
015			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
016	279.1		8	8		



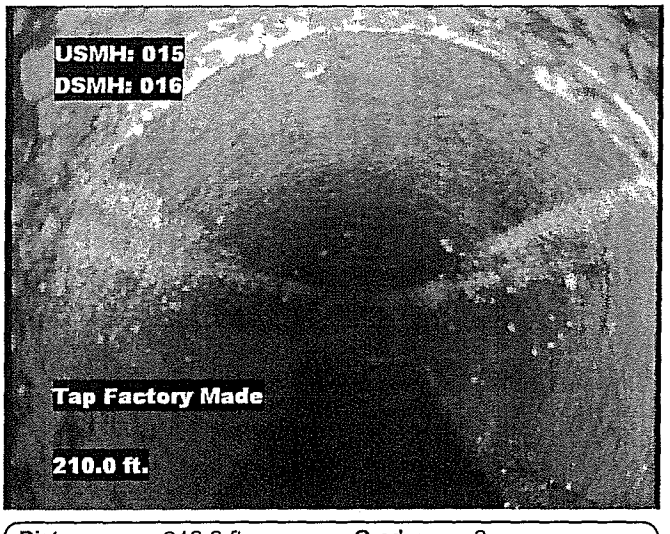
Distance: 193.8 ft. Grade: 4
Condition: Fracture Multiple
Remarks: N/A



Distance: 195.2 ft. Grade: 5
Condition: Hole Soil Visible
Remarks: N/A



Distance: 208.0 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 210.0 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

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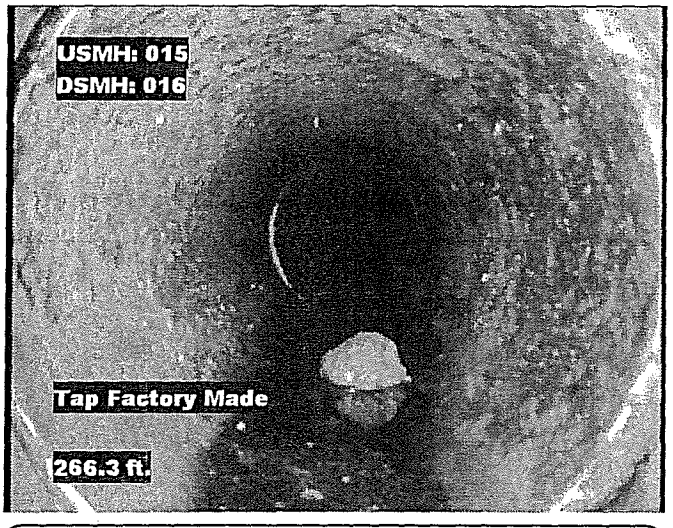
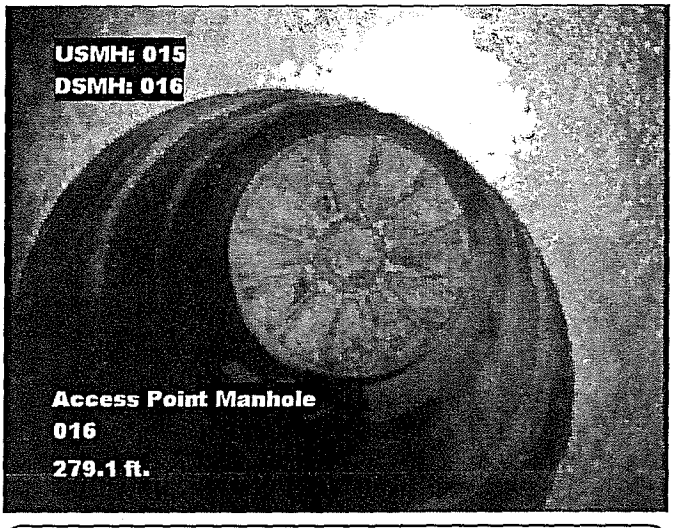
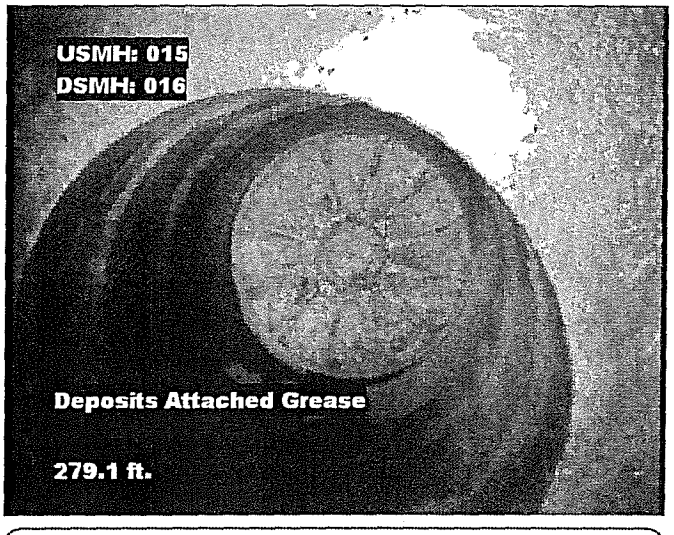
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
015_016	Hillview	Angelina	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
015			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
016	279.1		8	8		



Distance:	266.3 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	279.1 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	016		



Distance:	279.1 ft.	Grade:	2
Condition:	Deposits Attached Grease		
Remarks:	N/A		

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PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
016_017	Hillview	Angelina	Vitrified Clay Pipe	Light High...	Sanitar

Upstream MH	Total Length	Year Laid	Shape	Location Details
016			Circular	

DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
017	168.1		8	8		

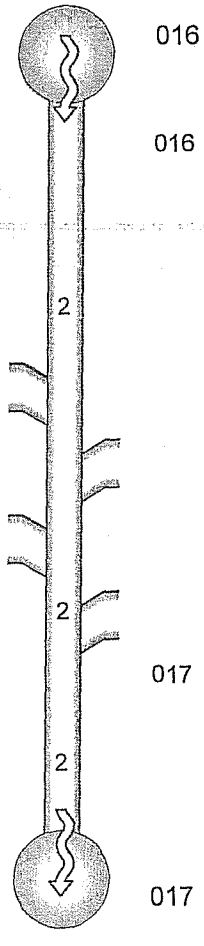
SPR	N/A	MPR	66	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	2	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	2E00		

OPR	Surveyed By	Direction	Date	Media label
66	Bunch	Downstream	20130614	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
2		Jetting	15:30	Dry	

Date Cleaned	End Time	Additional Info
20130613	15:45	

0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
8.3 ft.	Deposits Attached Grease - S01
29.1 ft.	Tap Factory Made
60.4 ft.	Tap Factory Made Capped
62.5 ft.	Tap Factory Made Capped
65.5 ft.	Tap Break-In Capped
168.1 ft.	Access Point Manhole
168.1 ft.	Deposits Attached Grease - F01



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PIPE EYES

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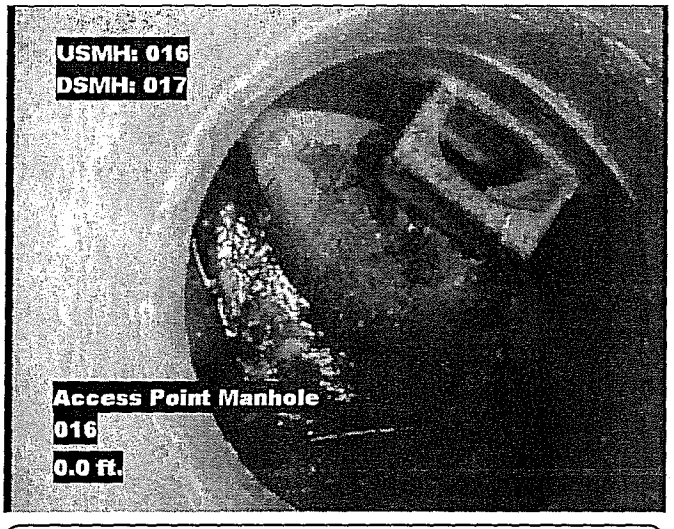
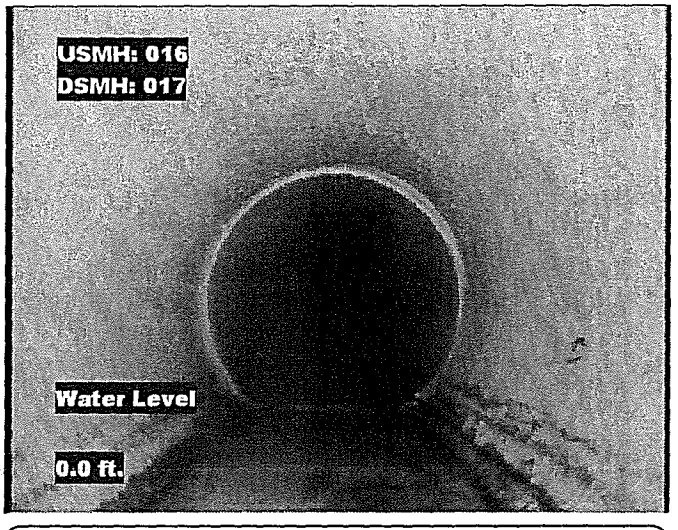
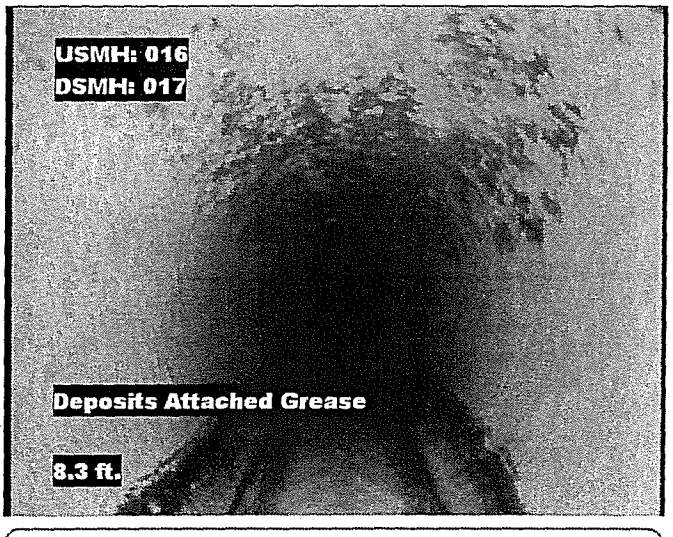
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
016_017	Hillview	Angelina	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
016			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
017	168.1		8	8		



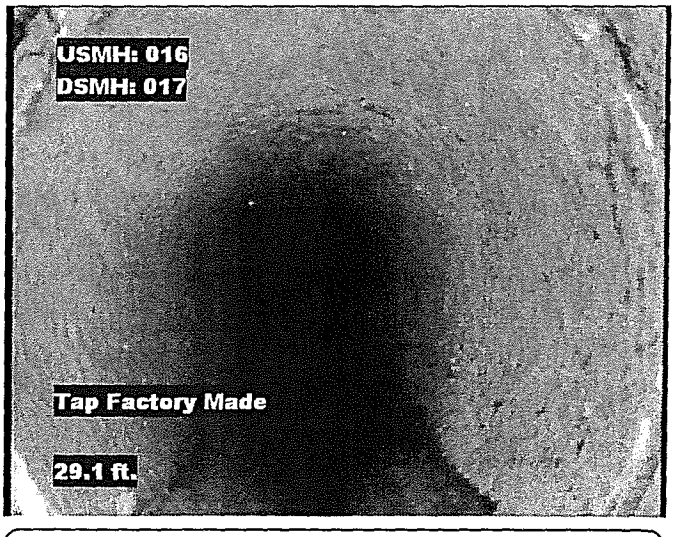
Distance:	0.0 ft.	**Grade:**	0
Condition:	Access Point Manhole		
Remarks:	016		



Distance:	0.0 ft.	**Grade:**	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	8.3 ft.	**Grade:**	2
Condition:	Deposits Attached Grease		
Remarks:	N/A		



Distance:	29.1 ft.	**Grade:**	0
Condition:	Tap Factory Made		
Remarks:	N/A		

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PIPE EYES

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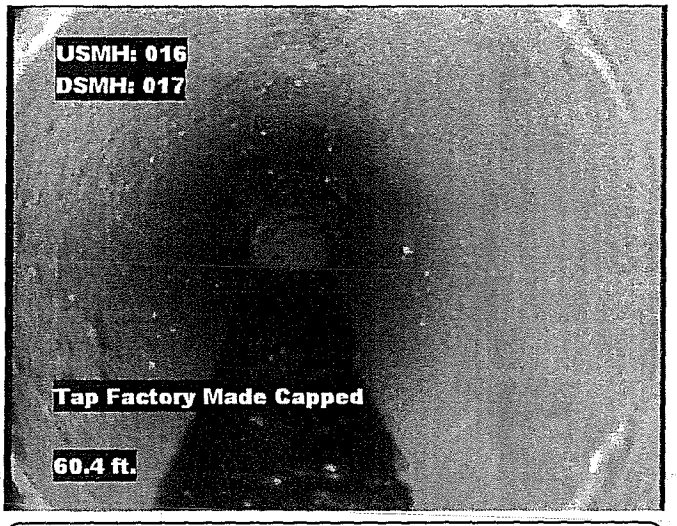
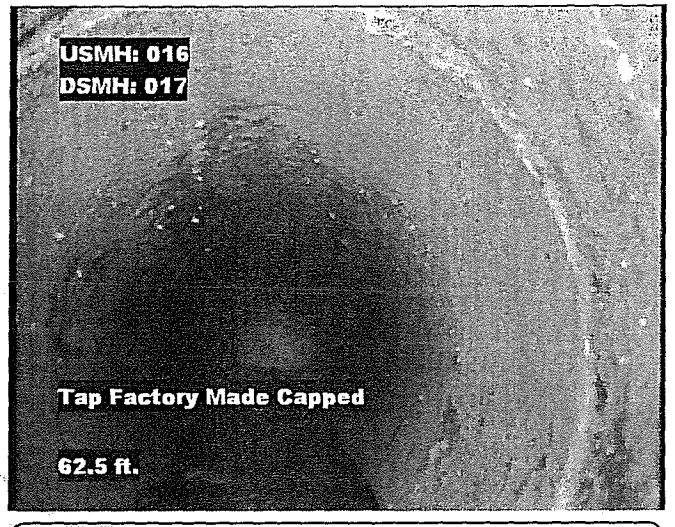
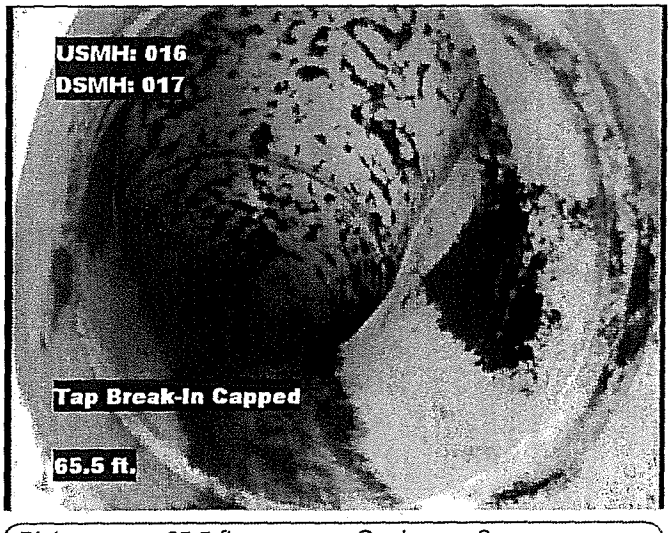
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
016_017	Hillview	Angelina	Vitrified Clay Pipe		Light High...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
016			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
017	168.1		8	8		



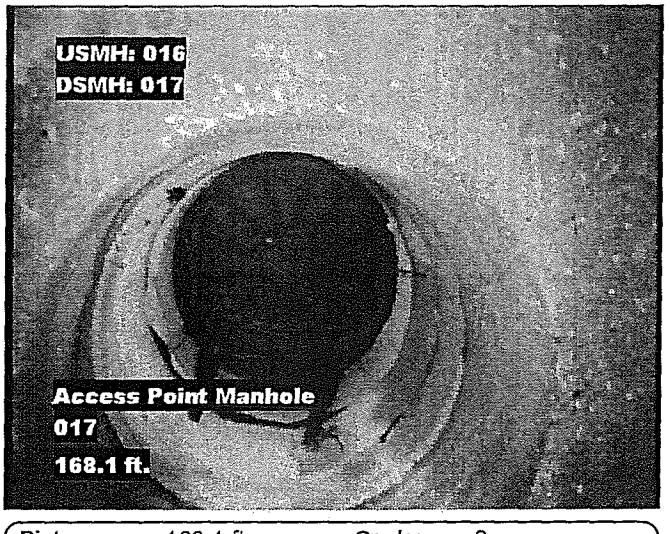
Distance: 60.4 ft. Grade: 0
Condition: Tap Factory Made Capped
Remarks: N/A



Distance: 62.5 ft. Grade: 0
Condition: Tap Factory Made Capped
Remarks: N/A



Distance: 65.5 ft. Grade: 2
Condition: Tap Break-In Capped
Remarks: N/A



Distance: 168.1 ft. Grade: 0
Condition: Access Point Manhole
Remarks: 017

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PIPE EYES

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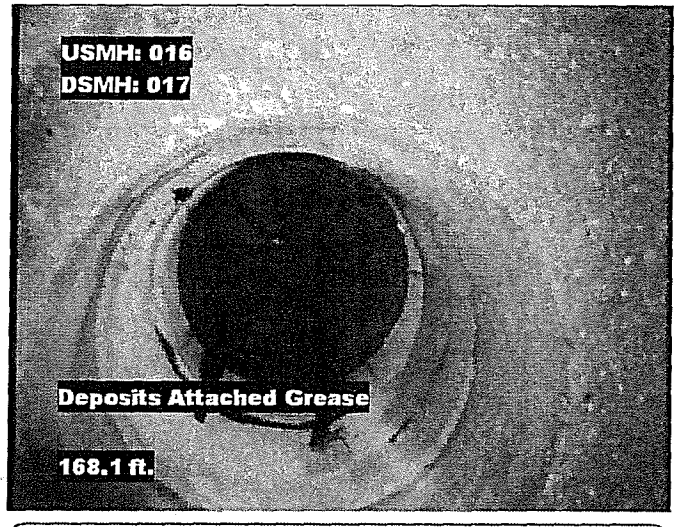
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
016_017	Hillview	Angelina	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
016			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
017	168.1		8	8		



Distance: 168.1 ft. **Grade:** 2
Condition: Deposits Attached Grease
Remarks: N/A

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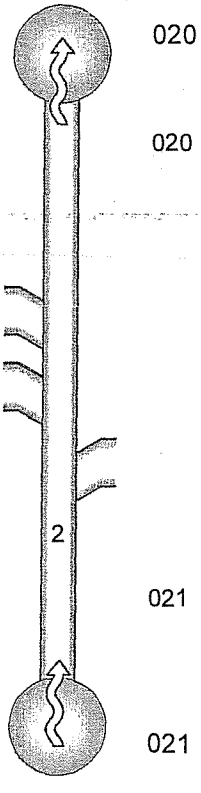
Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
021_020	Hillview	Terry Blvd	PolyVinyl Chloride		Light High...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
021			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
020	398.4		8	8		

SPR	N/A	MPR	2	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	2	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	2100		

OPR	Surveyed By	Direction	Date	Media label
2	Bunch	Upstream	20130614	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
2		Jetting	16:14	Dry
Date Cleaned			End Time	Additional Info
20130613			16:30	

0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
18.9 ft.	Tap Break-In
107.0 ft.	Tap Factory Made
264.1 ft.	Tap Break-In
302.9 ft.	Water Level Sag
398.4 ft.	Access Point Manhole



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PIPE EYES

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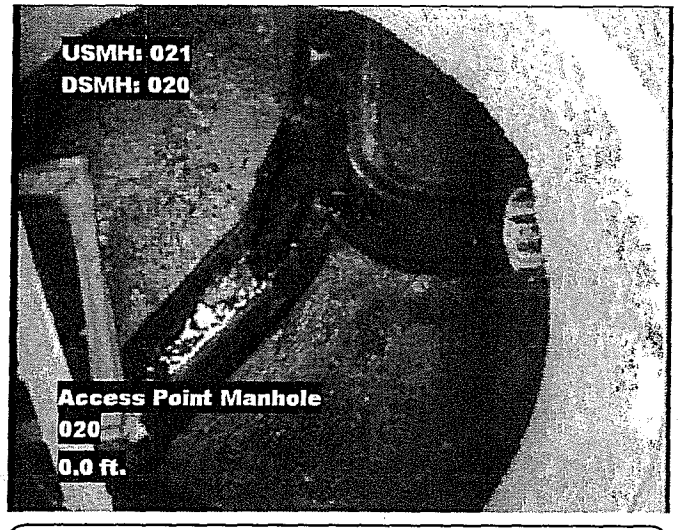
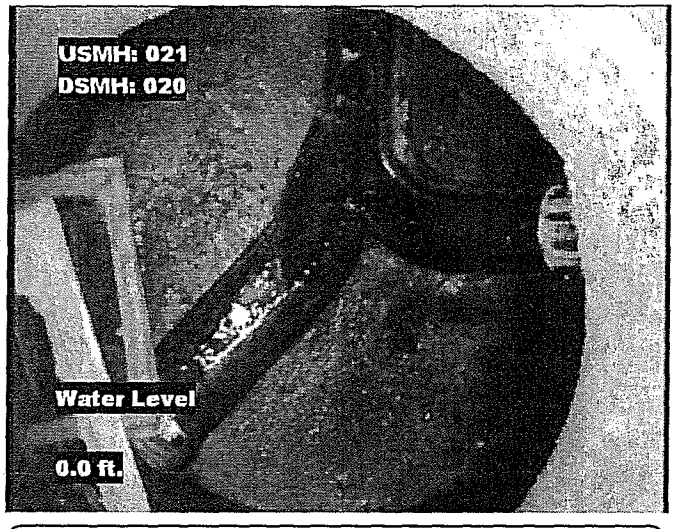
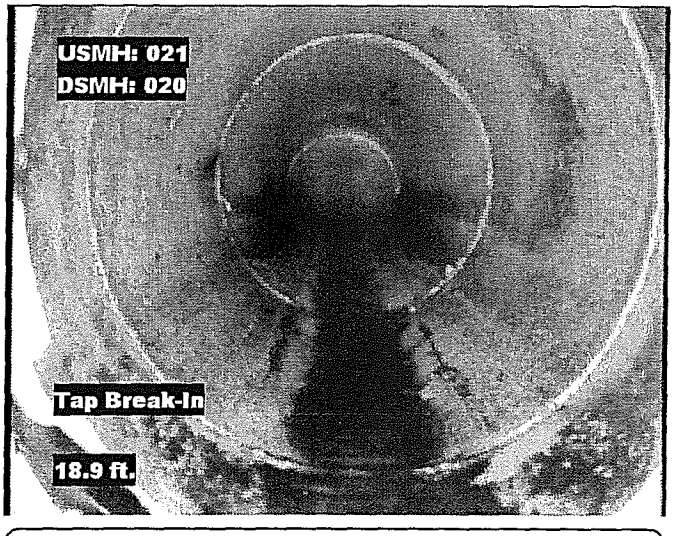
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
021_020	Hillview	Terry Blvd	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
021			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
020	398.4		8	8		



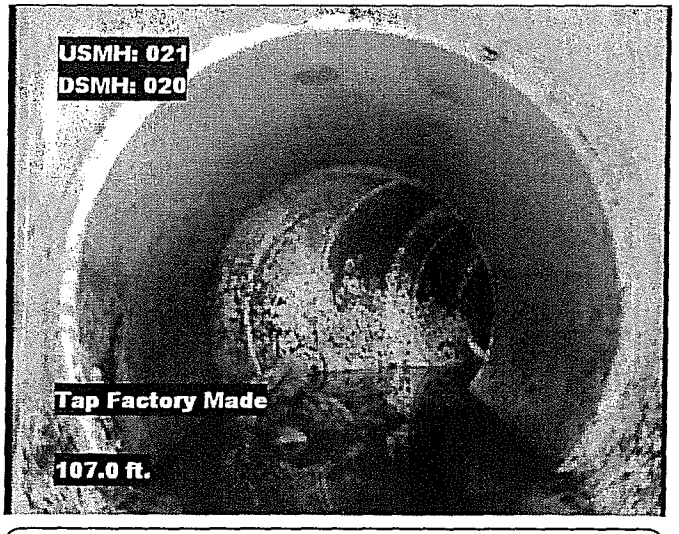
Distance: 0.0 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 020



Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A



Distance: 18.9 ft. **Grade:** 0
Condition: Tap Break-In
Remarks: N/A



Distance: 107.0 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A

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PIPE EYES

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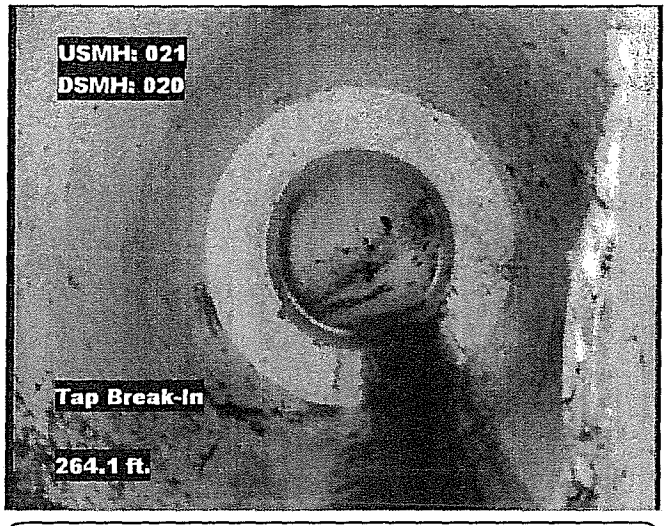
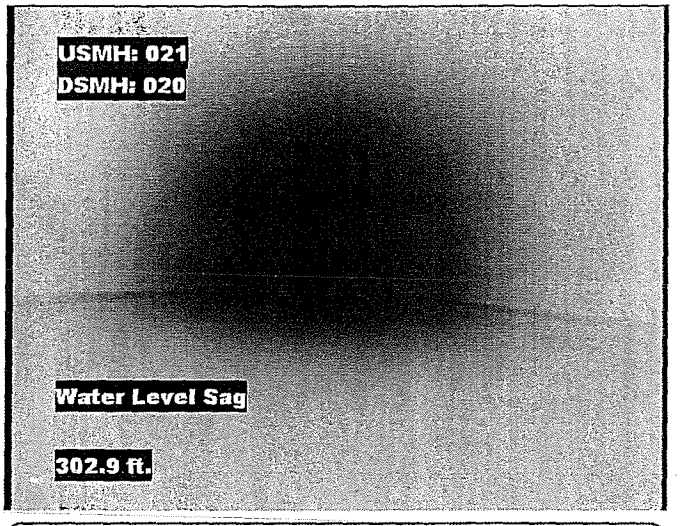
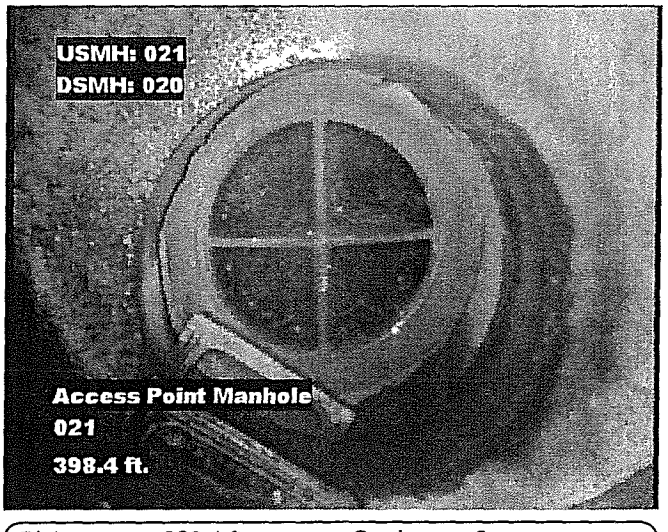
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
021_020	Hillview	Terry Blvd	PolyVinyl Chloride		Light High...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
021			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
020	398.4		8	8		



Distance:	264.1 ft.	Grade:	0
Condition:	Tap Break-In		
Remarks:	N/A		



Distance:	302.9 ft.	Grade:	2
Condition:	Water Level Sag		
Remarks:	N/A		



Distance:	398.4 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	021		

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PIPE EYES

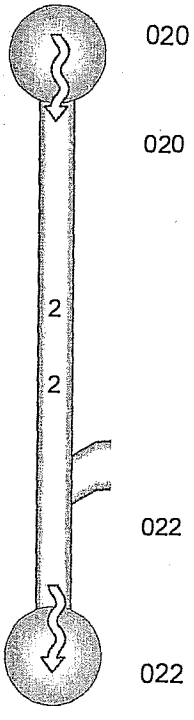
Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
020_022	Hillview	Terry Blvd	PolyVinyl Chloride		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
020			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
022	312.4		8	8		

SPR	N/A	MPR	2	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	2	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	2100		

OPR	Surveyed By	Direction	Date	Media label
2	Bunch	Downstream	20130615	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
2		Jetting	07:09	Dry
Date Cleaned			End Time	Additional Info
20130614			07:22	

0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
17.9 ft.	Water Level Sag - S01
23.7 ft.	Water Level Sag - F01
42.7 ft.	Tap Factory Made
312.4 ft.	Access Point Manhole



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PIPE EYES

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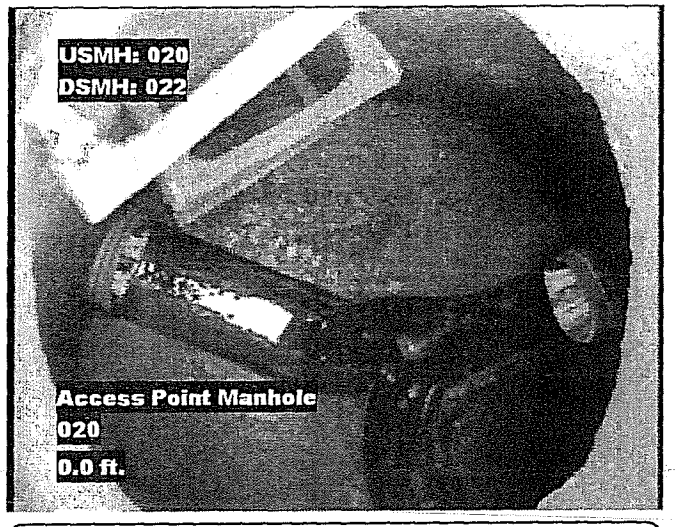
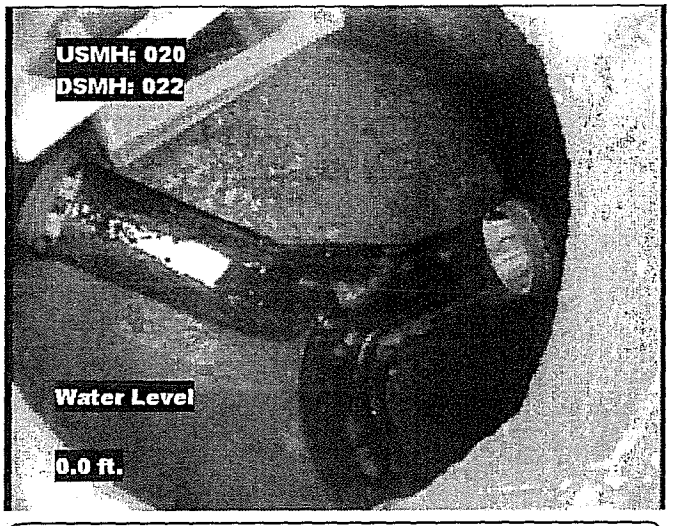
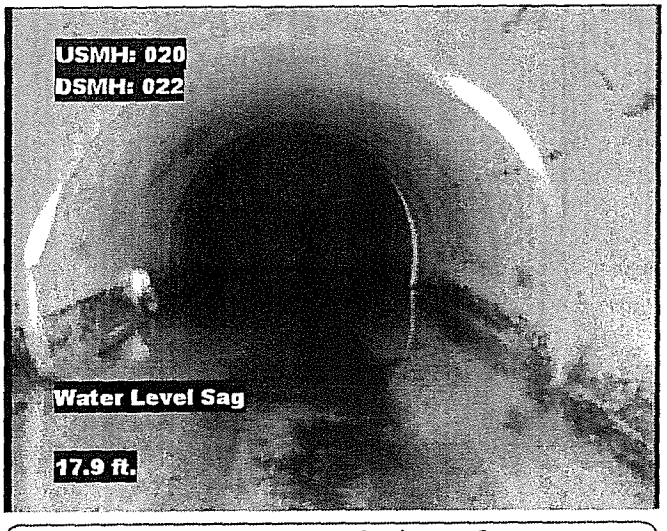
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
020_022	Hillview	Terry Blvd	PolyVinyl Chloride		Easement/R...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
020			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
022	312.4		8	8		



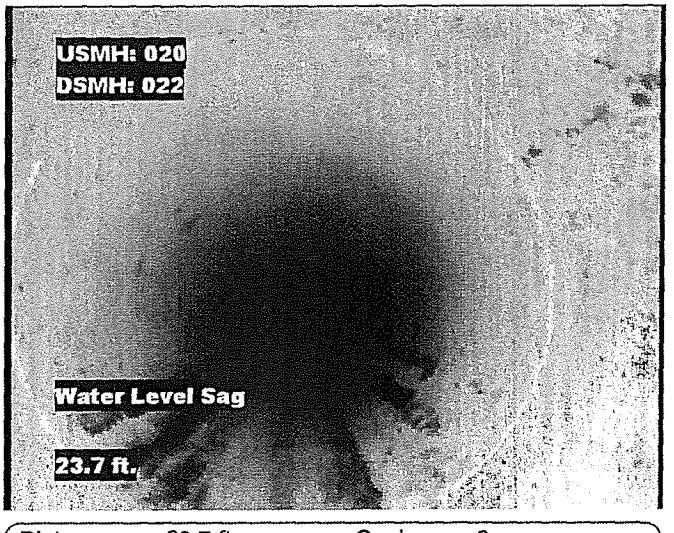
Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: 020



Distance: 0.0 ft. Grade: 0
Condition: Water Level
Remarks: N/A



Distance: 17.9 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



Distance: 23.7 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A

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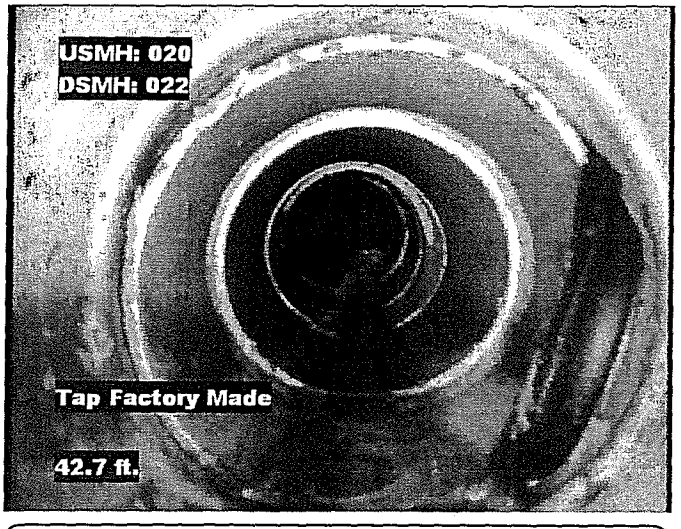
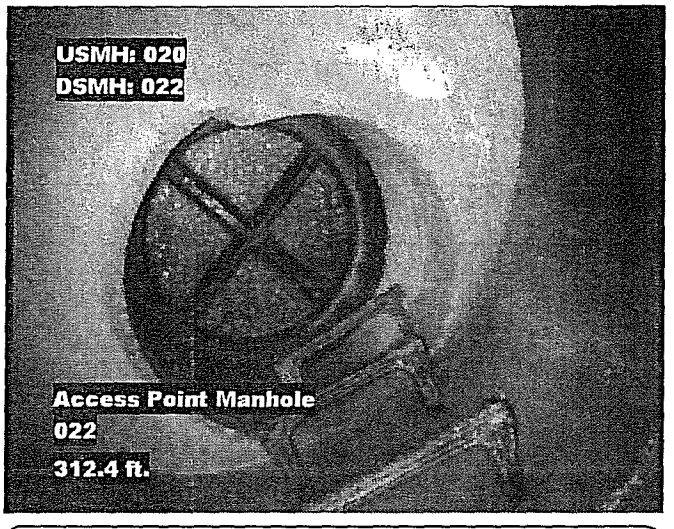
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
020_022	Hillview	Terry Blvd	PolyVinyl Chloride		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
020			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
022	312.4		8	8		



Distance: 42.7 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 312.4 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 022

Pipe Eyes
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PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
022_023	Hillview	Terry Blvd	PolyVinyl Chloride	Easement/R...	Sanitary

Upstream MH	Total Length	Year Laid	Shape	Location Details
022			Circular	

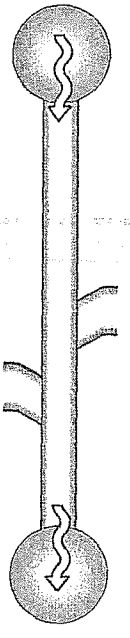
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
023	395.7		8	8		

SPR	N/A	MPR	N/A	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	N/A	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	N/A		

OPR	Surveyed By	Direction	Date	Media label
N/A	Bunch	Downstream	20130615	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A		Jetting	07:25	Dry	

Date Cleaned	End Time	Additional Info
20130614	07:41	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
18.9 ft.	Tap Break-In Active
201.8 ft.	Tap Break-In Active
395.7 ft.	Access Point Manhole

PIPE EYES

Pipe Eyes
145 Smith Lane
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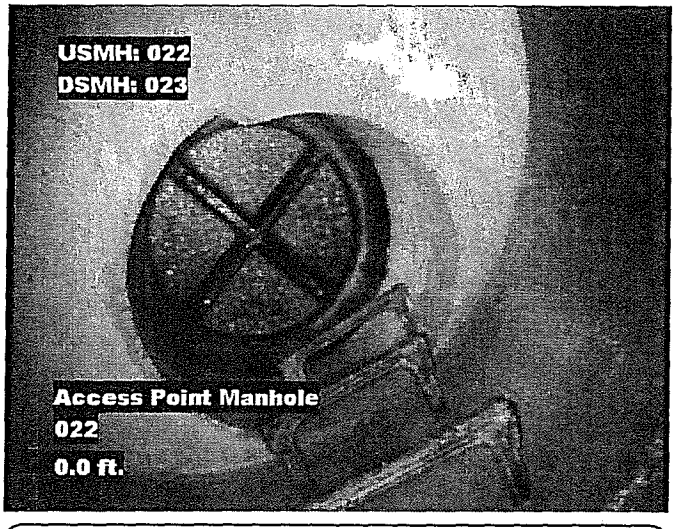
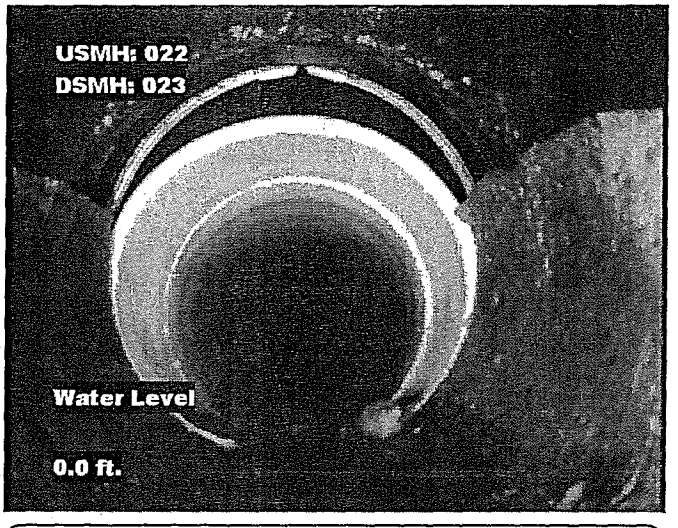
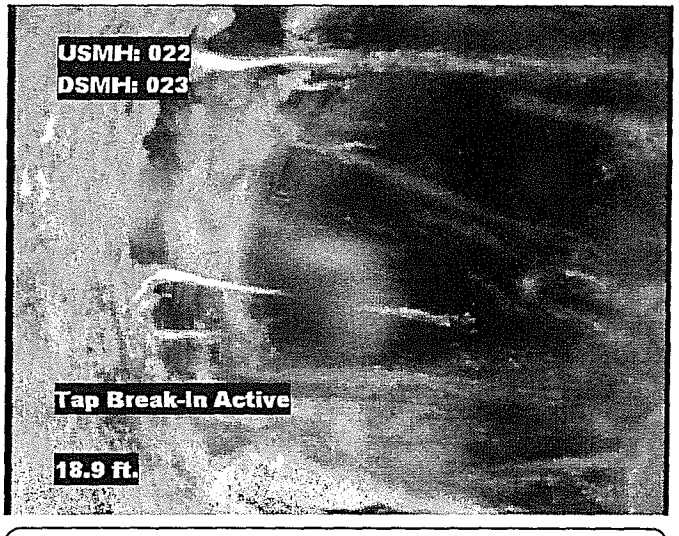
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
022_023	Hillview	Terry Blvd	PolyVinyl Chloride		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
022			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
023	395.7		8	8		



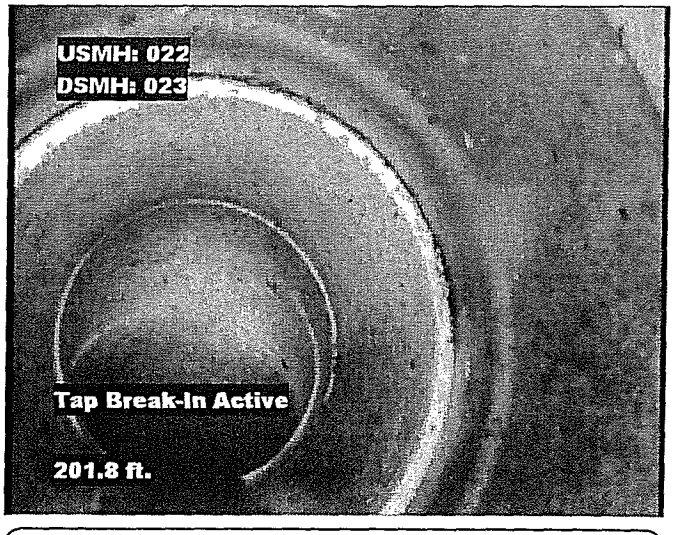
Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	022		



Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	18.9 ft.	Grade:	0
Condition:	Tap Break-In Active		
Remarks:	N/A		



Distance:	201.8 ft.	Grade:	0
Condition:	Tap Break-In Active		
Remarks:	N/A		

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PIPE EYES

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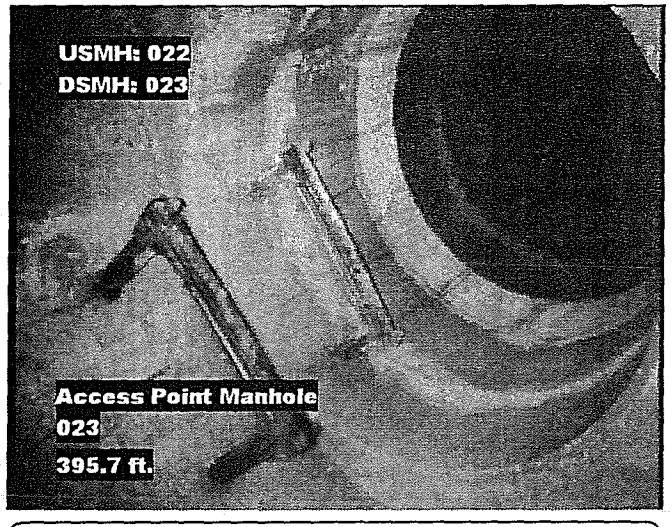
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
022_023	Hillview	Terry Blvd	PolyVinyl Chloride		Easement/R...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
022			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
023	395.7		8	8		



Distance:	395.7 ft.	**Grade:**	0
Condition:	Access Point Manhole		
Remarks:	023		

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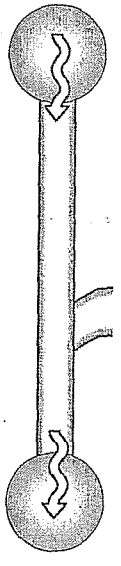
PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
023_019	Hillview	Terry Blvd	PolyVinyl Chloride		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
023			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
019	338.4		8	8		

SPR	N/A	MPR	N/A	PO Number	Customer
SPRI	N/A	MPRI	N/A		City of Hillview
QSR	N/A	QMR	N/A	Work Order	Purpose
					Capital Improvement Program As...

OPR	Surveyed By	Direction	Date	Media label
N/A	Bunch	Downstream	20130615	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
N/A		Jetting	08:04	Dry
Date Cleaned			End Time	Additional Info
20130614			08:16	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
312.6 ft.	Tap Factory Made
338.4 ft.	Access Point Manhole

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PIPE EYES

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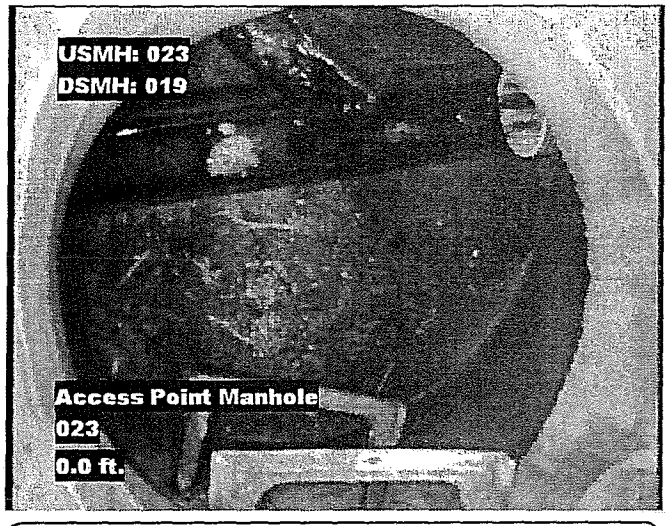
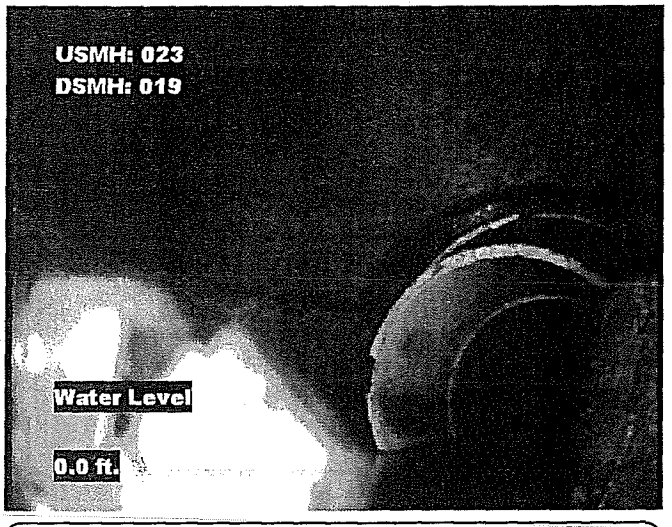
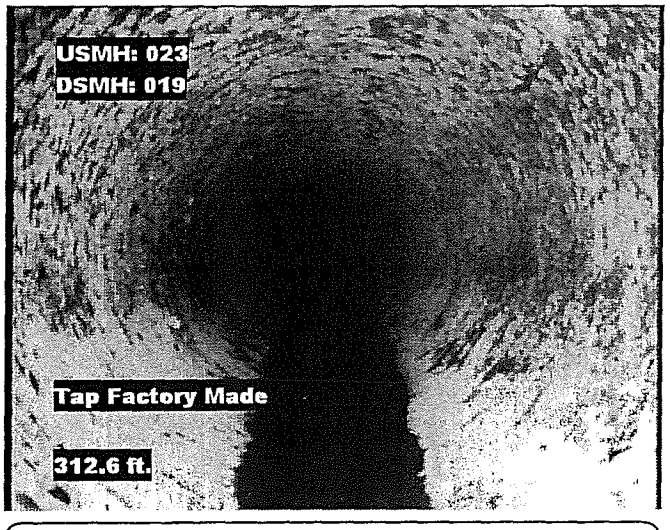
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
023_019	Hillview	Terry Blvd	PolyVinyl Chloride		Easement/R...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
023			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
019	338.4		8	8		



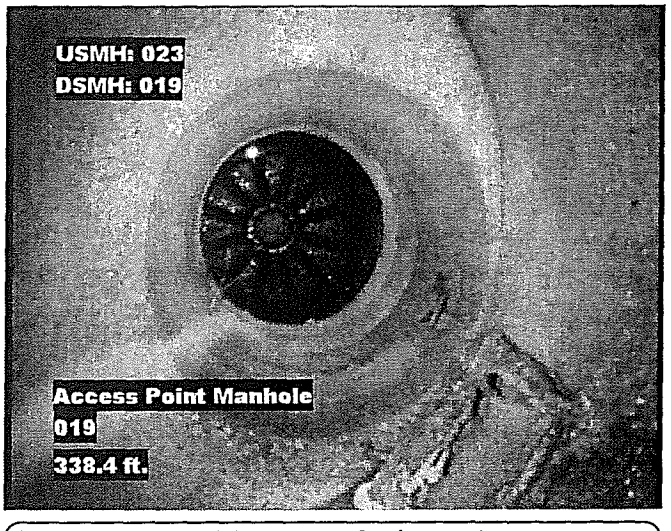
Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: 023



Distance: 0.0 ft. Grade: 0
Condition: Water Level
Remarks: N/A



Distance: 312.6 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 338.4 ft. Grade: 0
Condition: Access Point Manhole
Remarks: 019

Pipe Eyes
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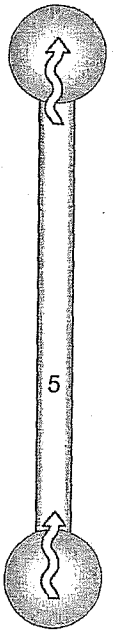
PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
024_026	Hillview	Bigoak Dr	PolyVinyl Chloride		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
024			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
026	188.3		8	8		

SPR	5	MPR	N/A	PO Number	Customer: City of Hillview
SPRI	5	MPRI	N/A	Work Order	Purpose: Capital Improvement Program As...
QSR	5100	QMR	N/A		

OPR	Surveyed By	Direction	Date	Media label
5	Bunch	Upstream	20130615	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
5		Jetting	08:41	Dry
Date Cleaned			End Time	Additional Info
20130613			08:56	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
157.5 ft.	Infiltration Stain
157.5 ft.	Hole Void Visible
188.3 ft.	Access Point Manhole

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PIPE EYES

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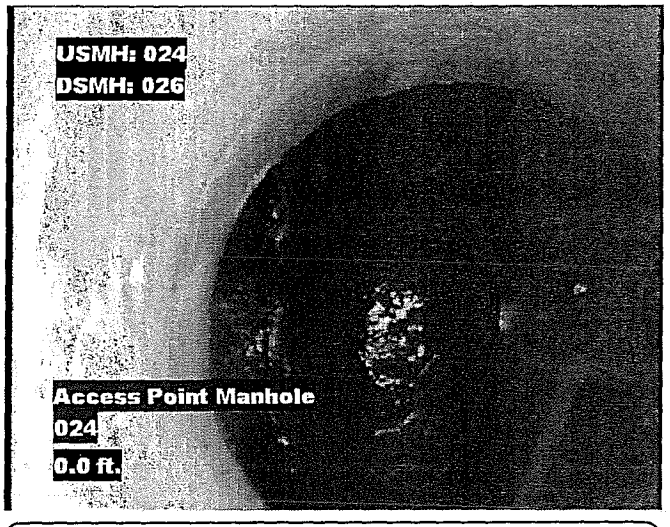
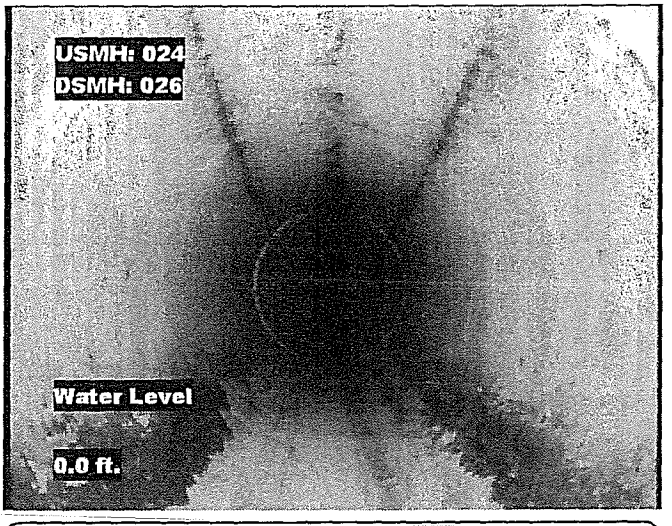
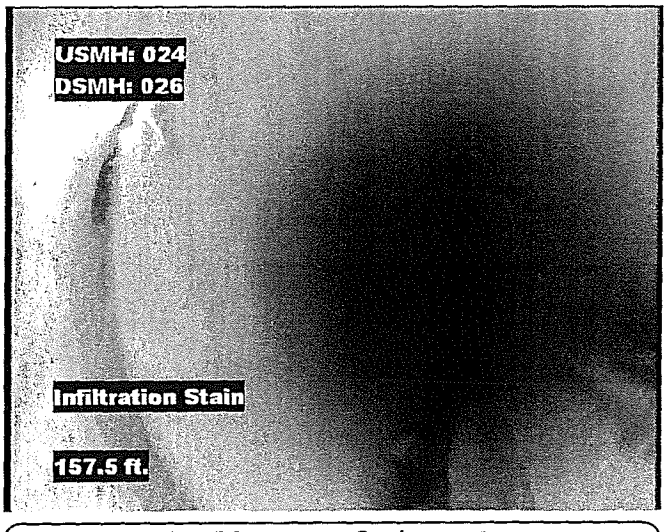
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
024_026	Hillview	Bigoak Dr	PolyVinyl Chloride		Easement/R...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
024			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
026	188.3		8	8		



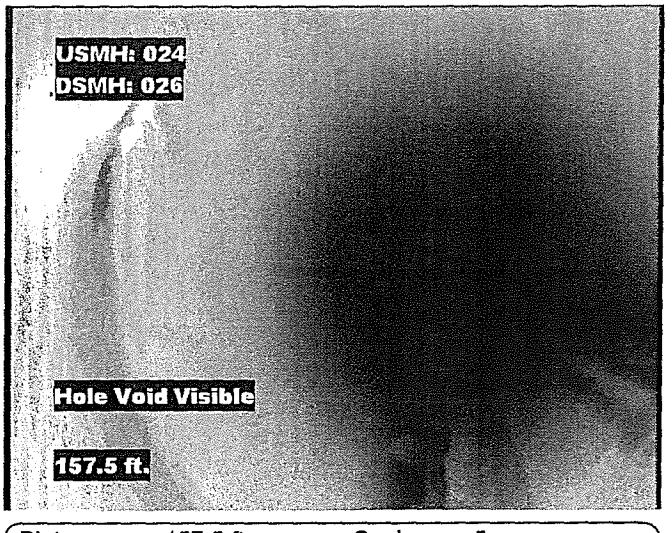
Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: 026



Distance: 0.0 ft. Grade: 0
Condition: Water Level
Remarks: N/A



Distance: 157.5 ft. Grade: 0
Condition: Infiltration Stain
Remarks: N/A



Distance: 157.5 ft. Grade: 5
Condition: Hole Void Visible
Remarks: N/A

Pipe Eyes
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PIPE EYES

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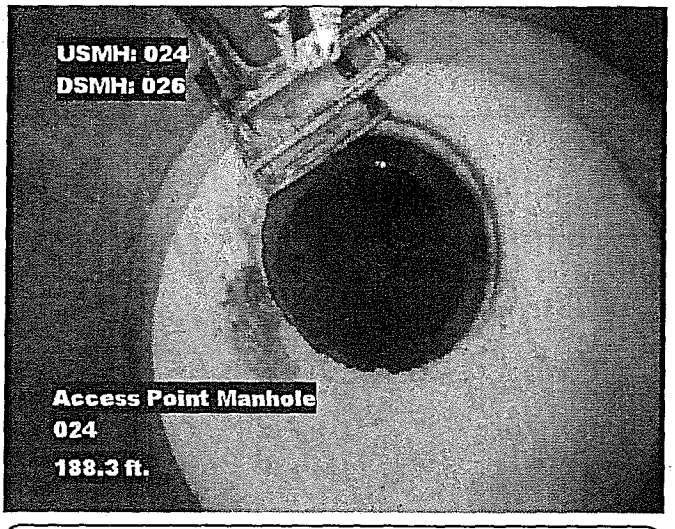
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
024_026	Hillview	Bigoak Dr	PolyVinyl Chloride		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
024			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
026	188.3		8	8		



Distance:	188.3 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	024		

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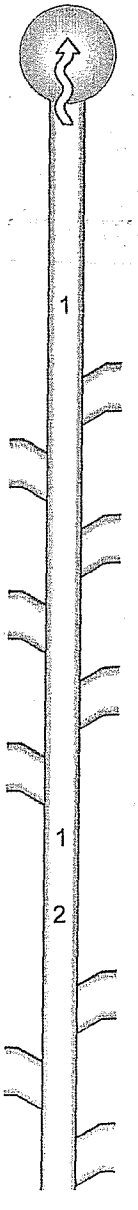
PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
025_026	Hillview	Bigoak Dr	Vitrified Clay Pipe		Easement/R...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
025			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
026	357		8	8		

SPR	N/A	MPR	40	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	1.9	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	2B12		

OPR	Surveyed By	Direction	Date	Media label
40	Bunch	Upstream	20130615	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
1.9		Jetting	09:00	Dry
Date Cleaned			End Time	Additional Info
20130614			09:33	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
21.3 ft.	Roots Fine Joint
63.9 ft.	Tap Factory Made
66.0 ft.	Tap Factory Made
148.4 ft.	Tap Factory Made
150.6 ft.	Tap Factory Made
206.0 ft.	Tap Factory Made
207.9 ft.	Tap Factory Made
257.3 ft.	Roots Fine Joint
263.2 ft.	Deposits Attached Grease - S01
270.5 ft.	Tap Factory Made
272.6 ft.	Tap Factory Made
323.3 ft.	Tap Factory Made

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Defect Listing Plot

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
025_026	Hillview	Bigoak Dr	Vitrified Clay Pipe	Easement/R...	Sanitary

Upstream MH	Total Length	Year Laid	Shape	Location Details
025			Circular	

DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
026	357		8	8		

SPR	N/A	MPR	40	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	1.9	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	2B12		

OPR	Surveyed By	Direction	Date	Media label
40	Bunch	Upstream	20130615	1

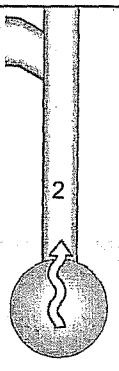
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
1.9		Jetting	09:00	Dry	

Date Cleaned	End Time	Additional Info
20130614	09:33	

325.1 ft. Tap Factory Made

357.0 ft. Access Point Manhole

357.0 ft. Deposits Attached Grease - F01



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PIPE EYES

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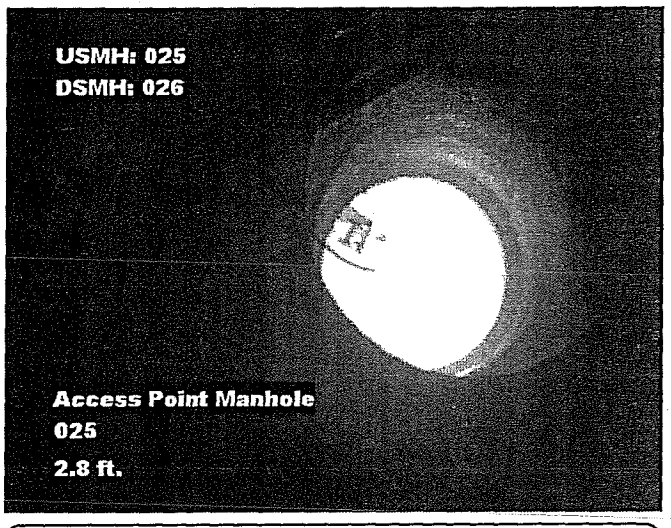
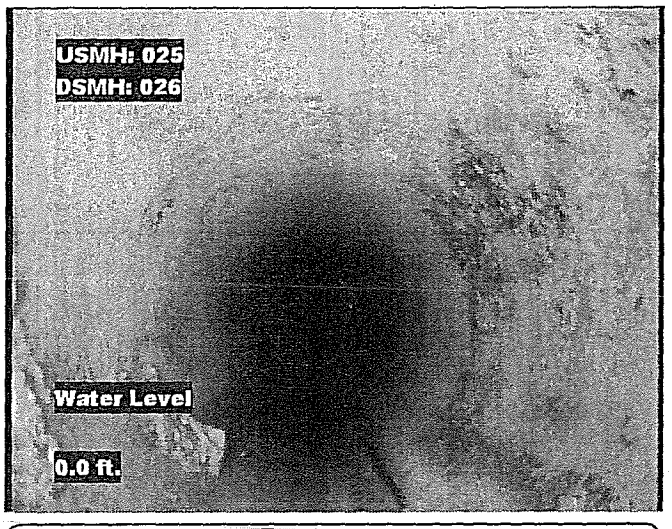
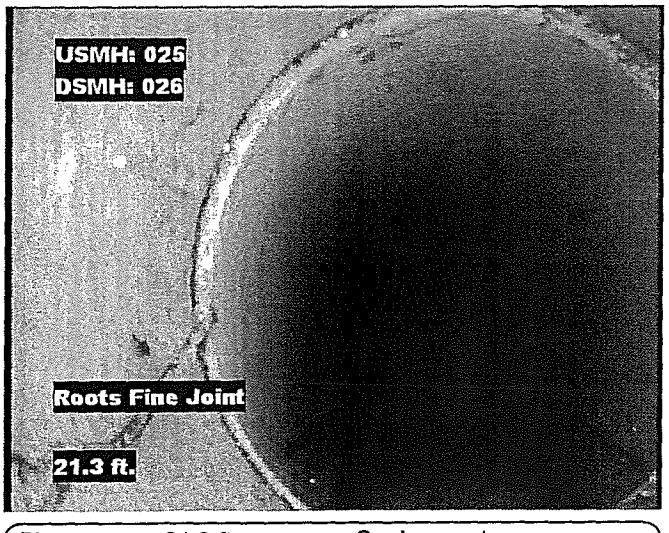
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
025_026	Hillview	Bigoak Dr	Vitrified Clay Pipe		Easement/R...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
025			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
026	357		8	8		



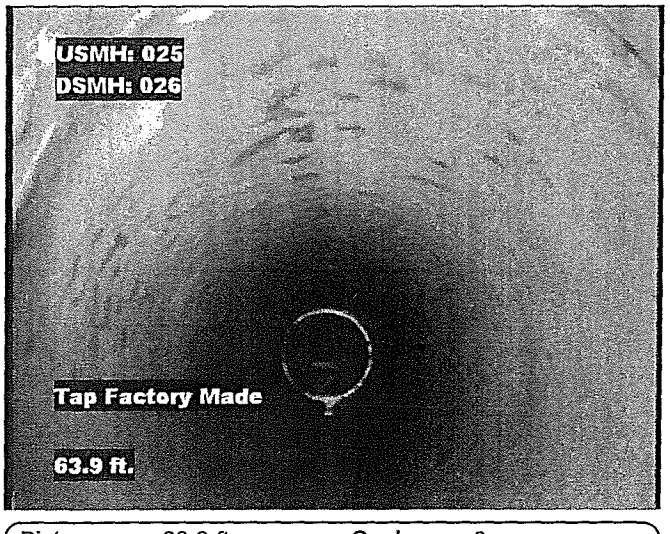
Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	026		



Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	21.3 ft.	Grade:	1
Condition:	Roots Fine Joint		
Remarks:	N/A		



Distance:	63.9 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		

PIPE EYES

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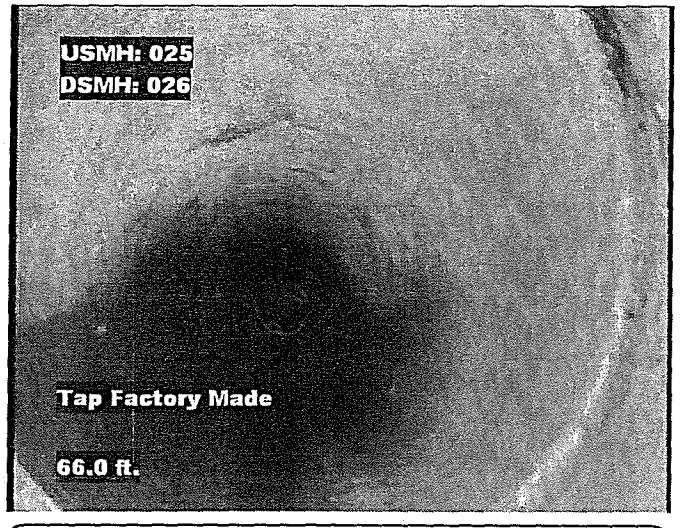
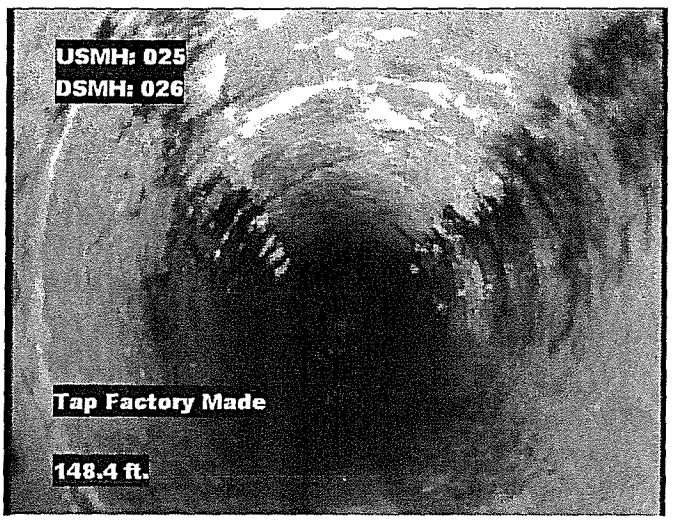
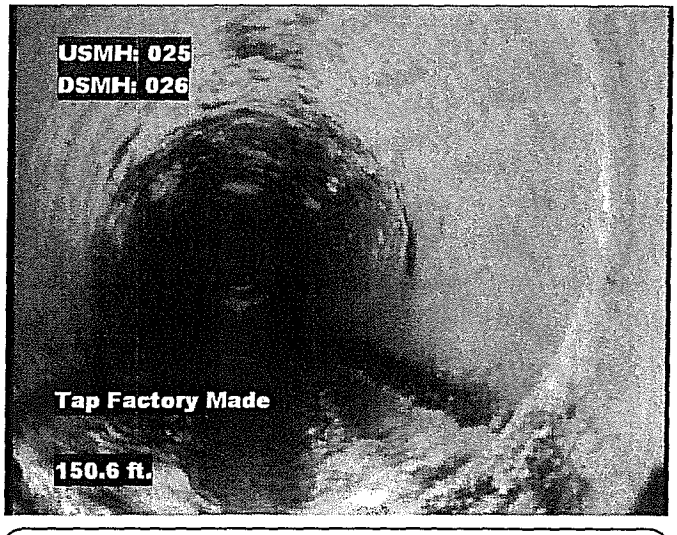
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
025_026	Hillview	Bigoak Dr	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
025			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
026	357		8	8		



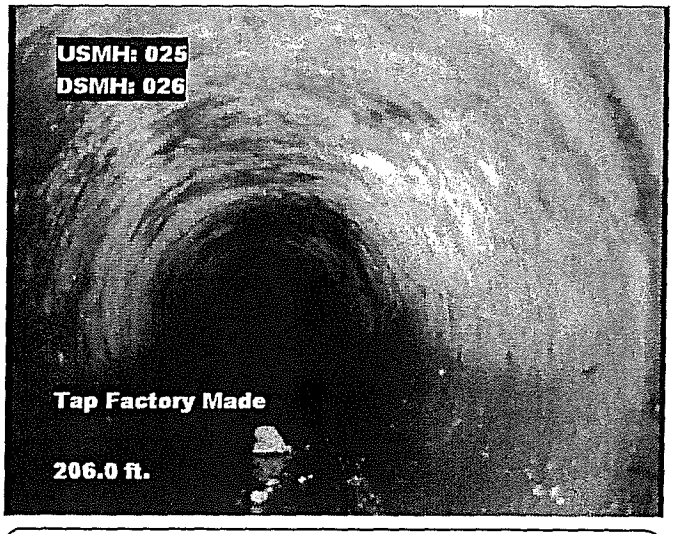
Distance: 66.0 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 148.4 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 150.6 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 206.0 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

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PIPE EYES

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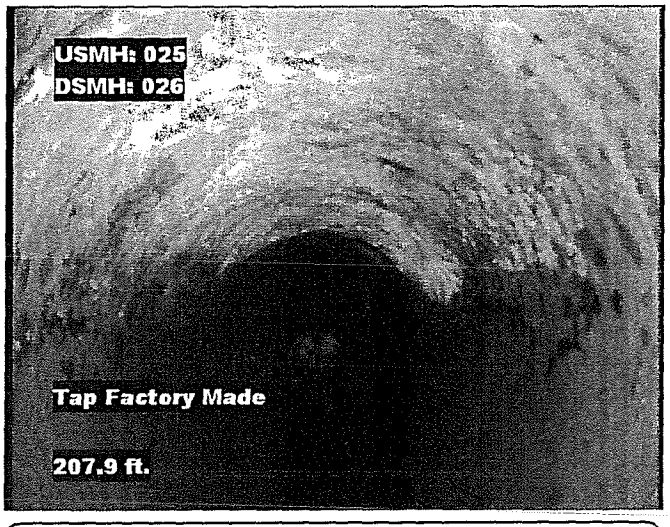
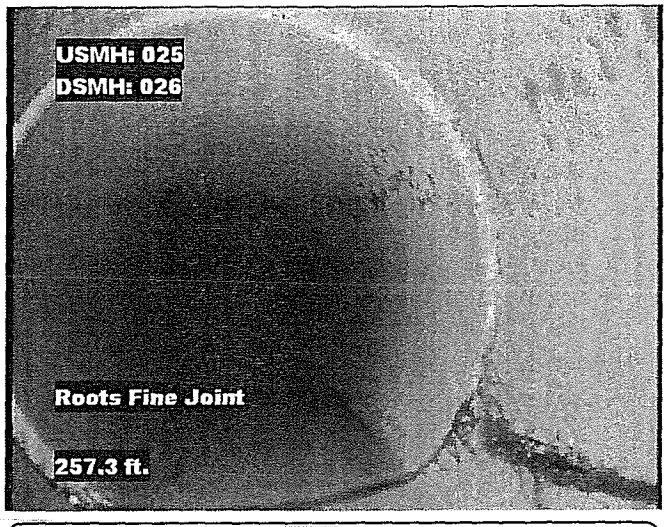
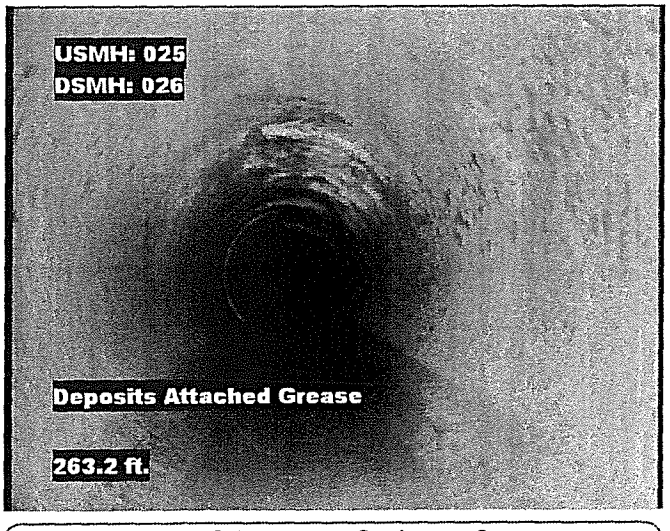
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
025_026	Hillview	Bigoak Dr	Vitrified Clay Pipe		Easement/R...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
025			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
026	357		8	8		



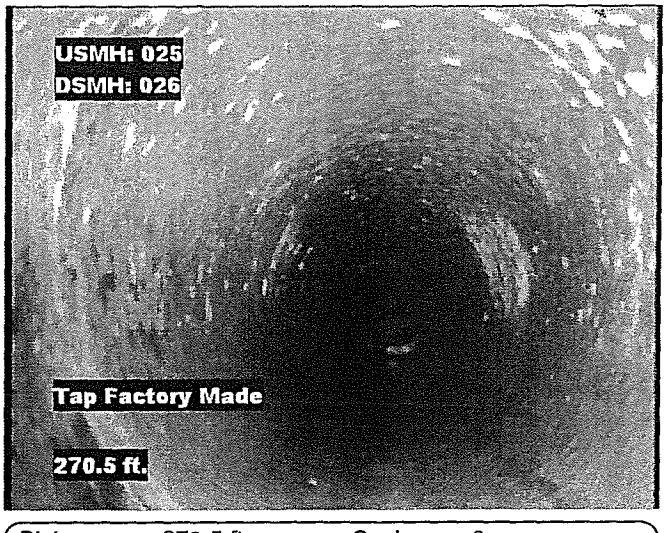
Distance: 207.9 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 257.3 ft. Grade: 1
Condition: Roots Fine Joint
Remarks: N/A



Distance: 263.2 ft. Grade: 2
Condition: Deposits Attached Grease
Remarks: N/A



Distance: 270.5 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

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PIPE EYES

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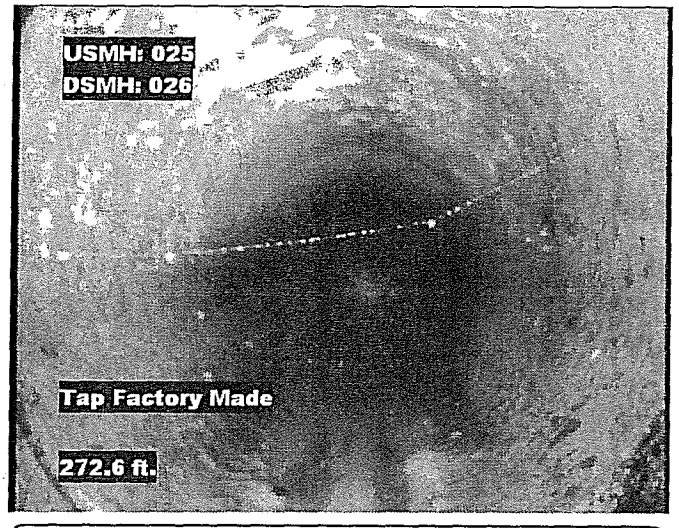
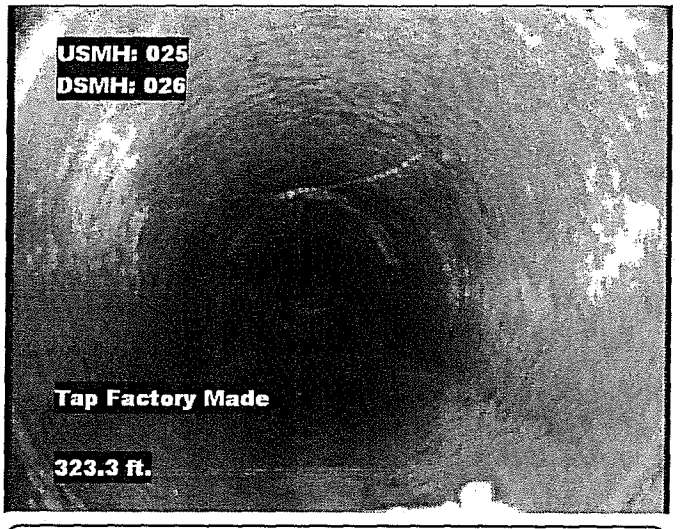
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
025_026	Hillview	Bigoak Dr	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
025			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
026	357		8	8		

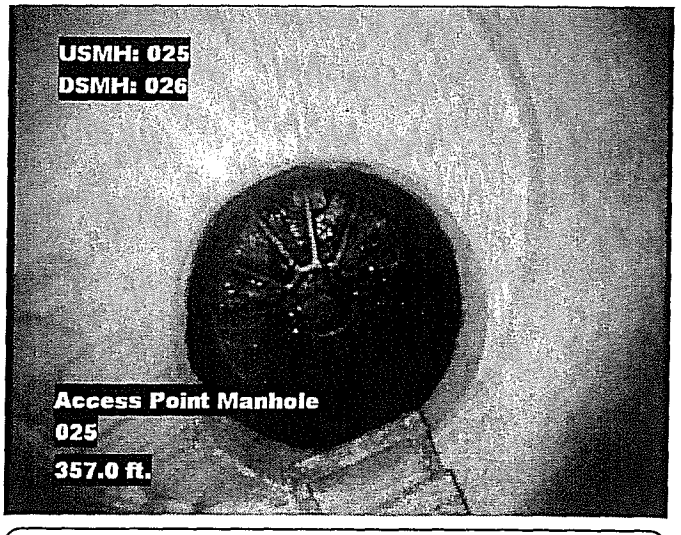


Distance: 272.6 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 323.3 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

Distance: 325.1 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 357.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: 025

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PIPE EYES

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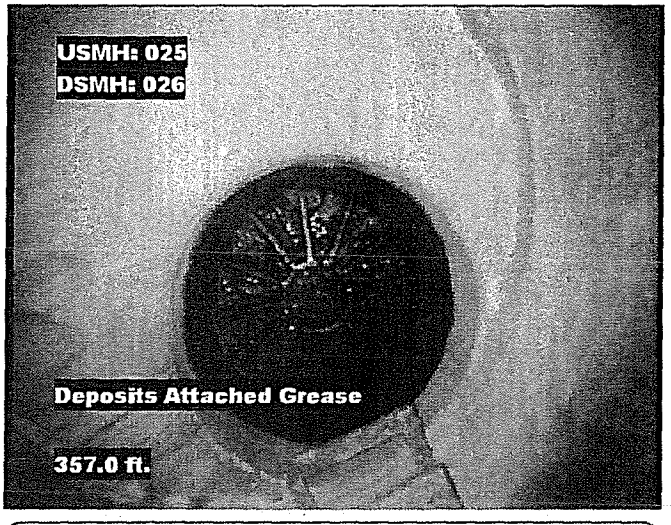
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
025_026	Hillview	Bigoak Dr	Vitrified Clay Pipe		Easement/R...	Sanita.
Upstream MH	Total Length	Year Laid	Shape		Location Details	
025			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
026	357		8	8		



Distance: 357.0 ft. **Grade:** 2
Condition: Deposits Attached Grease
Remarks: N/A

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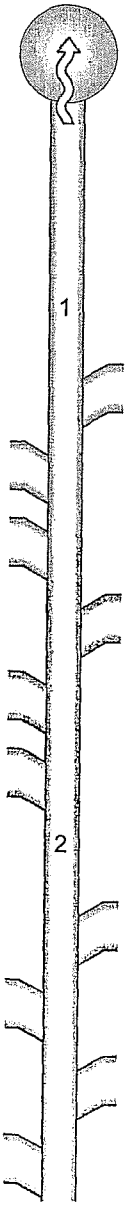
PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
027_025	Hillview	Bigoak Dr	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
027			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
025	239.9		8	8		

SPR	4	MPR	6	PO Number	Customer: City of Hillview
SPRI	1.3	MPRI	1.5	Work Order	Purpose: Capital Improvement Program As...
QSR	2112	QMR	3113		

OPR	Surveyed By	Direction	Date	Media label
10	Bunch	Upstream	20130615	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
1.4		Jetting	09:38	Dry
Date Cleaned			End Time	Additional Info
20130614			09:54	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
4.8 ft.	Crack Circumferential
32.9 ft.	Tap Factory Made
34.9 ft.	Tap Factory Made
87.3 ft.	Tap Break-In
107.3 ft.	Tap Factory Made
109.4 ft.	Tap Factory Made Capped
147.2 ft.	Tap Break-In
154.1 ft.	Crack Longitudinal
160.4 ft.	Tap Factory Made
162.3 ft.	Tap Factory Made Capped
203.5 ft.	Tap Factory Made
205.8 ft.	Tap Factory Made

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Defect Listing Plot

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
027_025	Hillview	Bigoak Dr	Vitrified Clay Pipe	Easement/R...	Sanita.

Upstream MH	Total Length	Year Laid	Shape	Location Details
027			Circular	

DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
025	239.9		8	8		

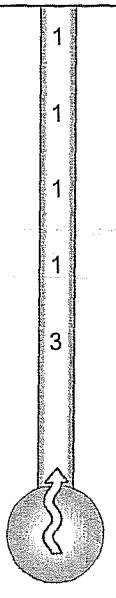
SPR	4	MPR	6	PO Number	Customer
SPRI	1.3	MPRI	1.5		City of Hillview
QSR	2112	QMR	3113	Work Order	Purpose: Capital Improvement Program As...

OPR	Surveyed By	Direction	Date	Media label
10	Bunch	Upstream	20130615	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
1.4		Jetting	09:38	Dry	

Date Cleaned	End Time	Additional Info
20130614	09:54	

211.2 ft.	Roots Fine Joint	1
211.2 ft.	Roots Fine Joint	1
235.7 ft.	Crack Circumferential	1
235.7 ft.	Roots Fine Joint	1
235.7 ft.	Roots Medium Joint	3
239.9 ft.	Access Point Manhole	



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PIPE EYES

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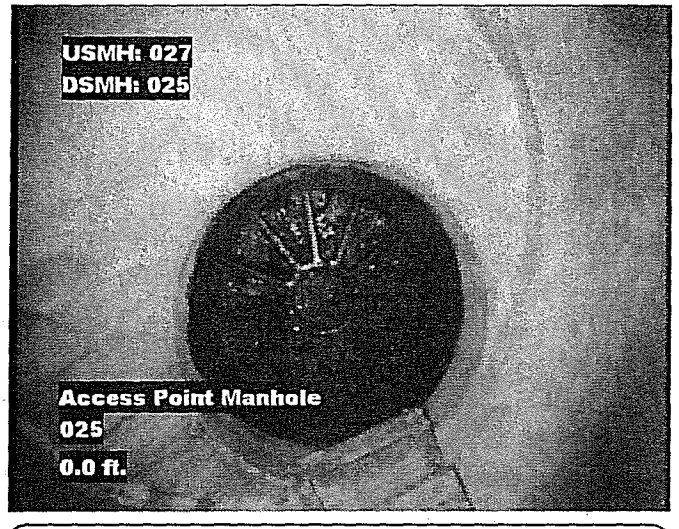
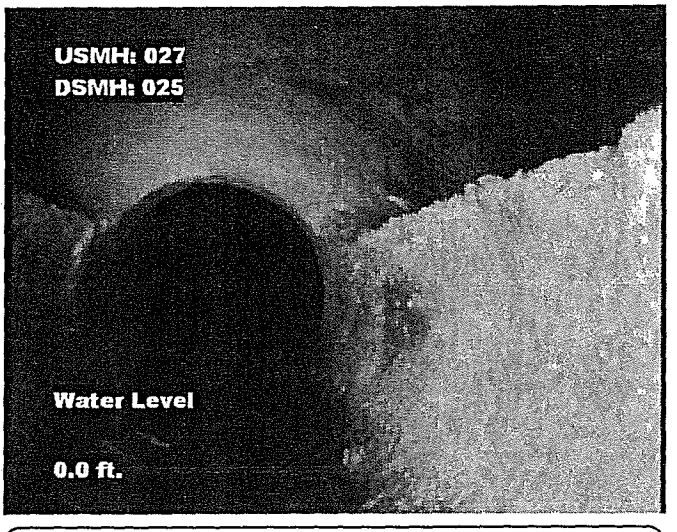
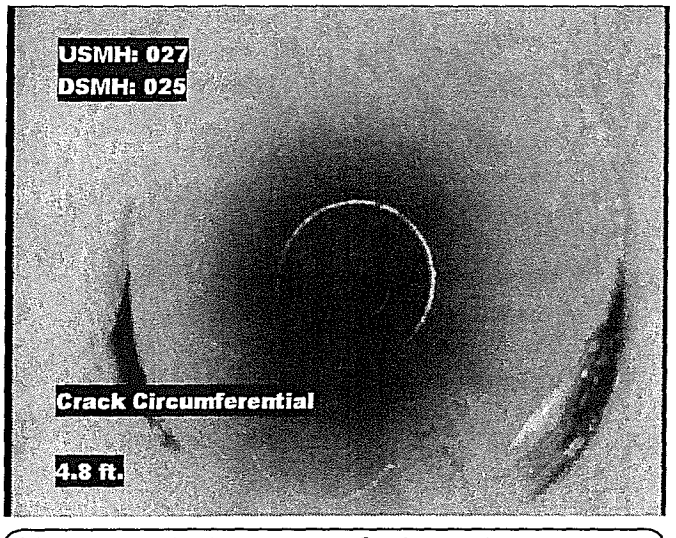
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
027_025	Hillview	Bigoak Dr	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
027			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
025	239.9		8	8		



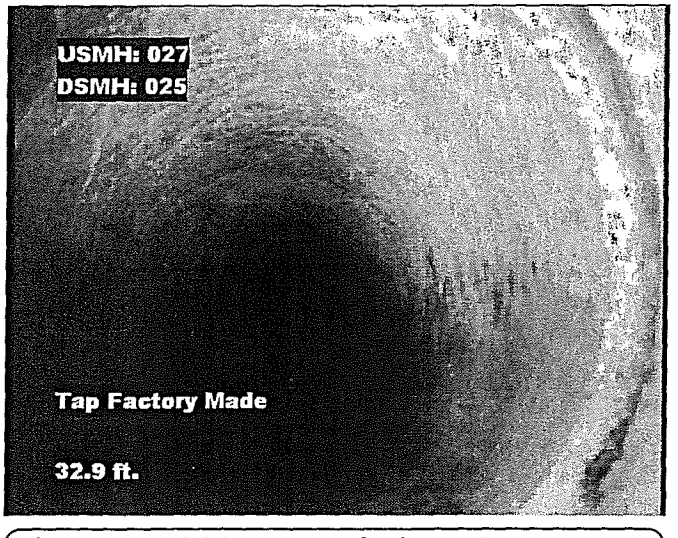
Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	025		



Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	4.8 ft.	Grade:	1
Condition:	Crack Circumferential		
Remarks:	N/A		



Distance:	32.9 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		

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PIPE EYES

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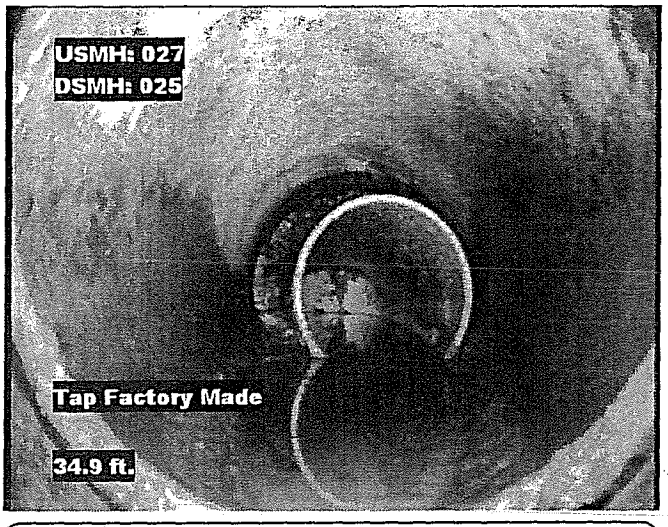
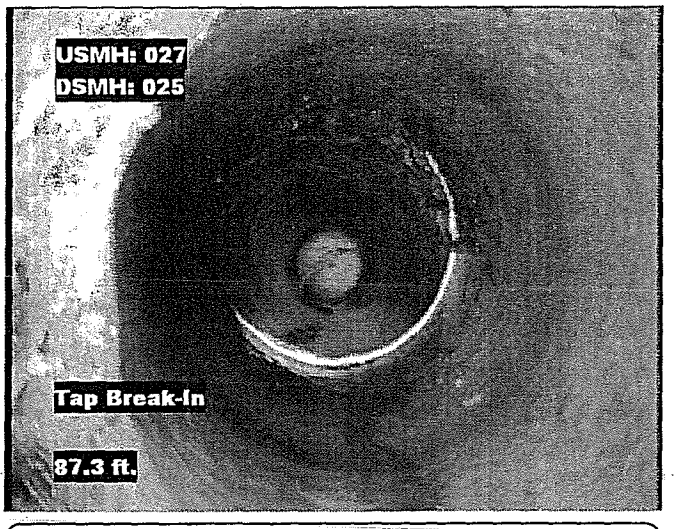
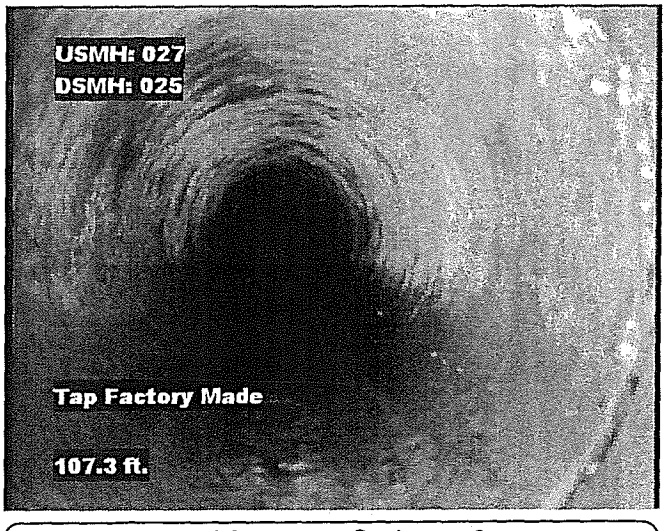
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
027_025	Hillview	Bigoak Dr	Vitrified Clay Pipe		Easement/R...	Sanita
Upstream MH	Total Length	Year Laid	Shape		Location Details	
027			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
025	239.9		8	8		



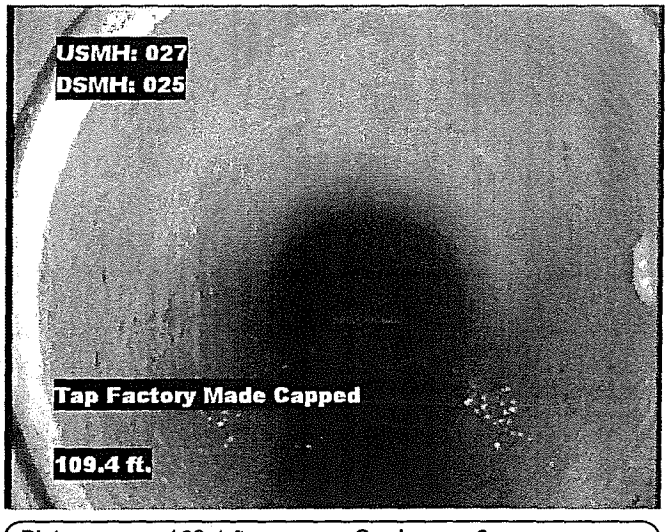
Distance: 34.9 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 87.3 ft. Grade: 0
Condition: Tap Break-In
Remarks: N/A



Distance: 107.3 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 109.4 ft. Grade: 0
Condition: Tap Factory Made Capped
Remarks: N/A

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PIPE EYES

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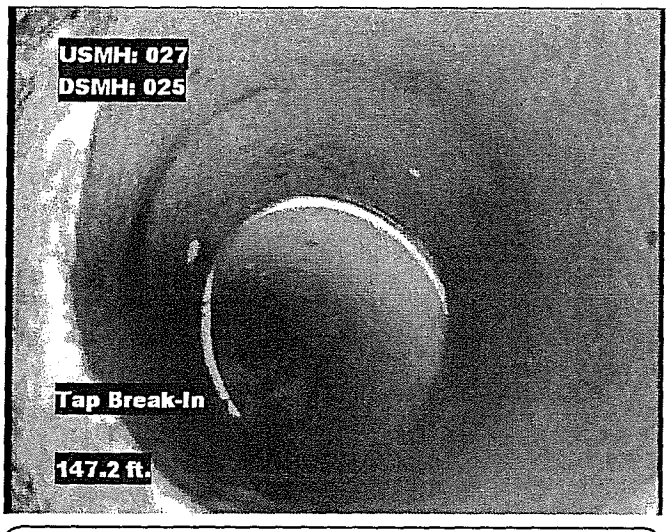
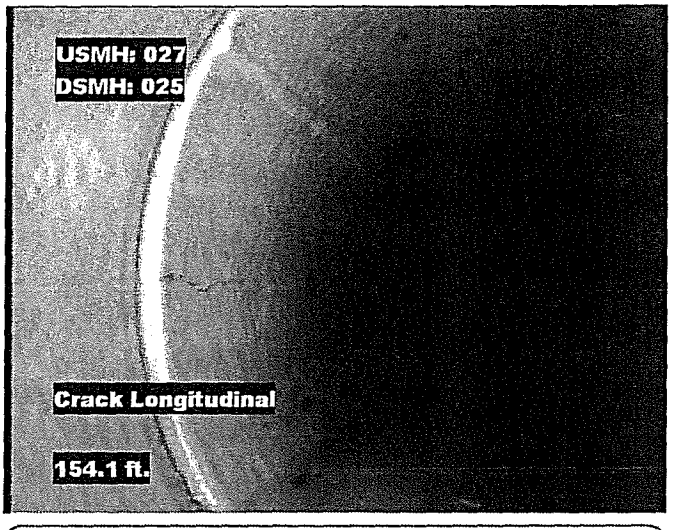
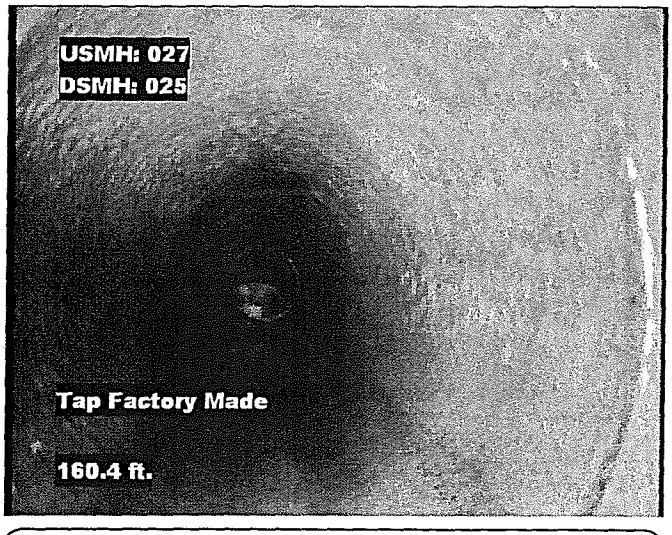
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
027_025	Hillview	Bigoak Dr	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
027			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
025	239.9		8	8		



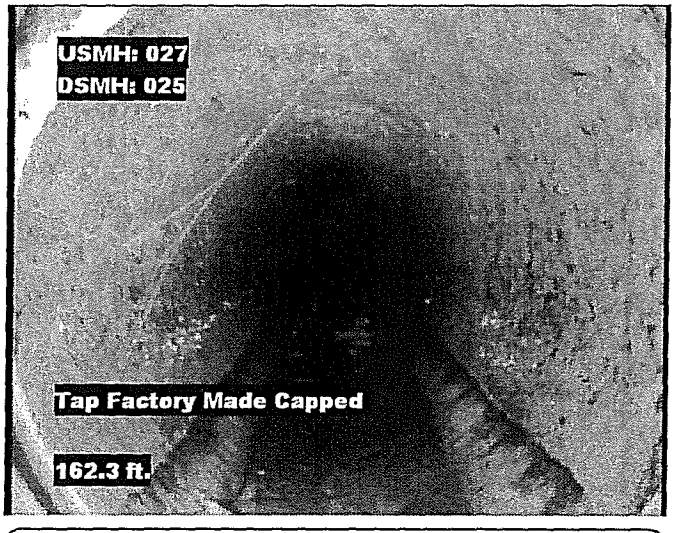
Distance: 147.2 ft. Grade: 0
Condition: Tap Break-In
Remarks: N/A



Distance: 154.1 ft. Grade: 2
Condition: Crack Longitudinal
Remarks: N/A



Distance: 160.4 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 162.3 ft. Grade: 0
Condition: Tap Factory Made Capped
Remarks: N/A

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PIPE EYES

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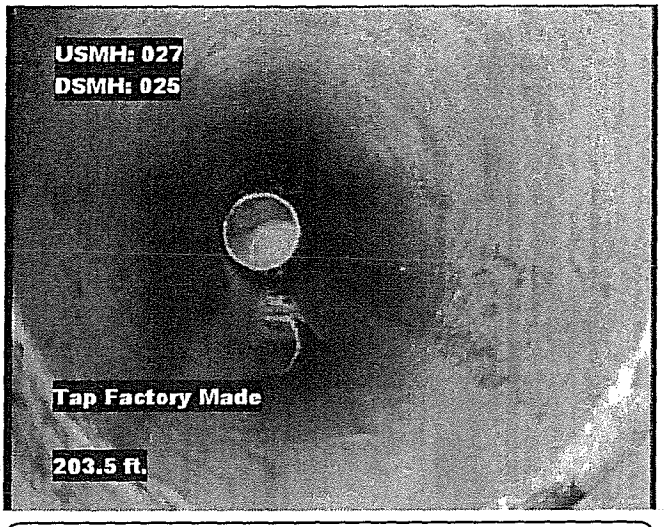
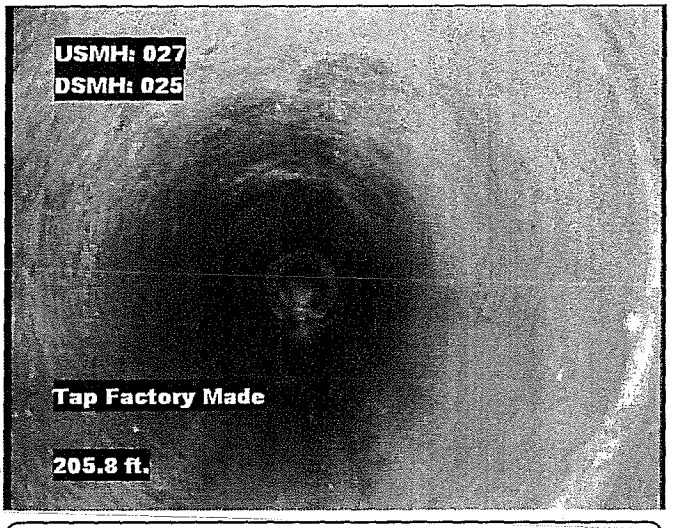
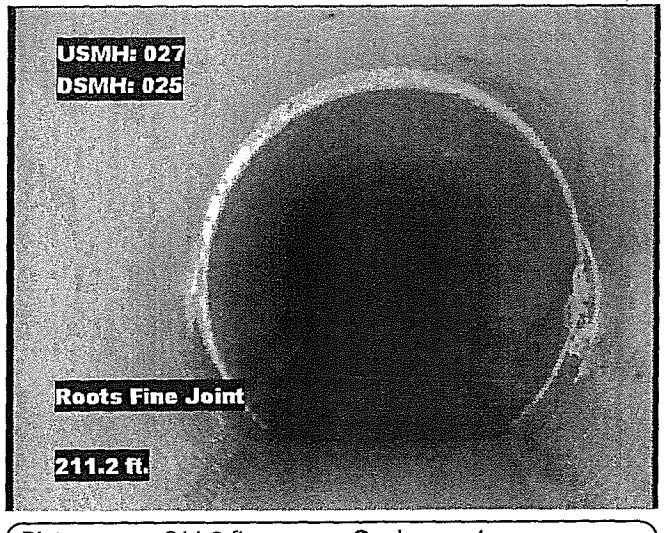
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
027_025	Hillview	Bigoak Dr	Vitrified Clay Pipe		Easement/R...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
027			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
025	239.9		8	8		



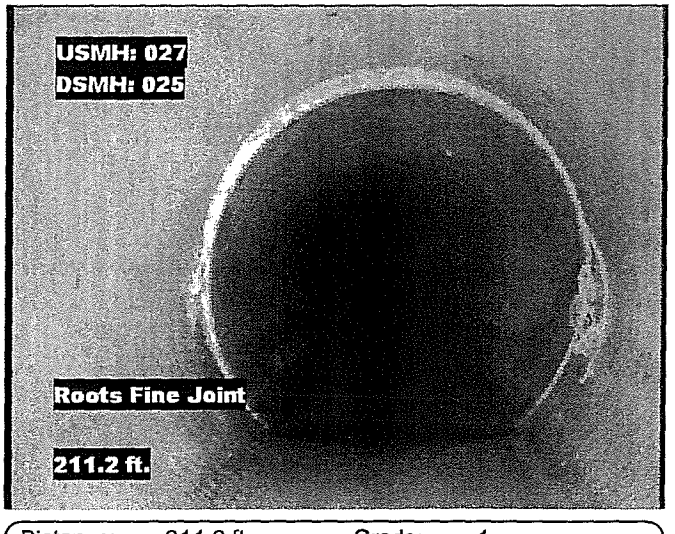
Distance: 203.5 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 205.8 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 211.2 ft. Grade: 1
Condition: Roots Fine Joint
Remarks: N/A



Distance: 211.2 ft. Grade: 1
Condition: Roots Fine Joint
Remarks: N/A

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PIPE EYES

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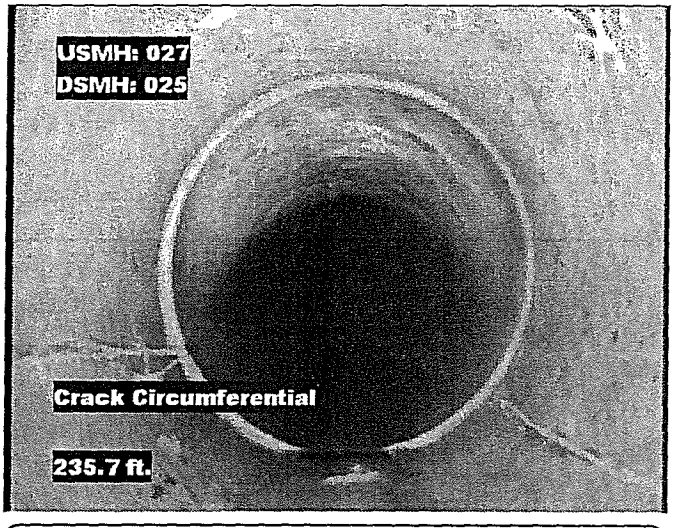
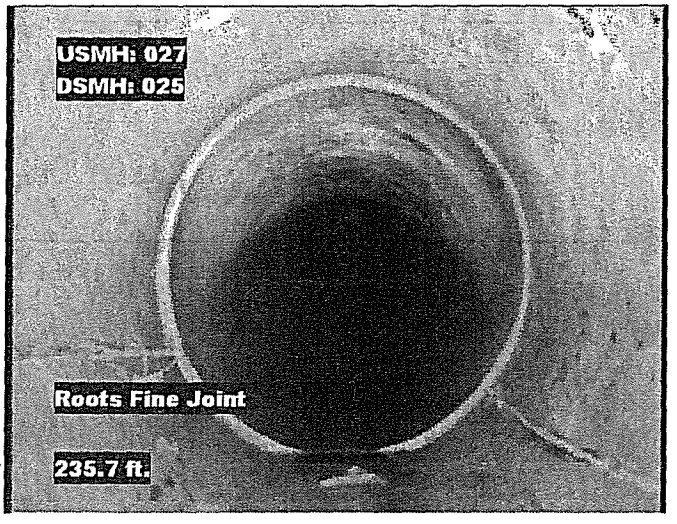
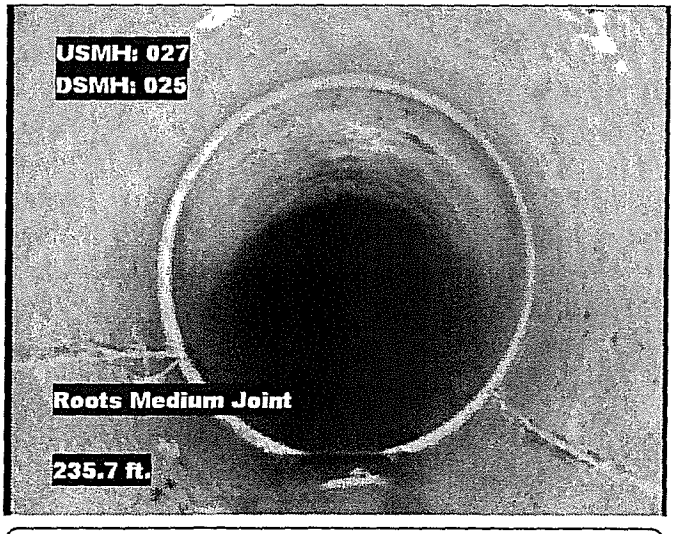
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
027_025	Hillview	Bigoak Dr	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
027			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
025	239.9		8	8		



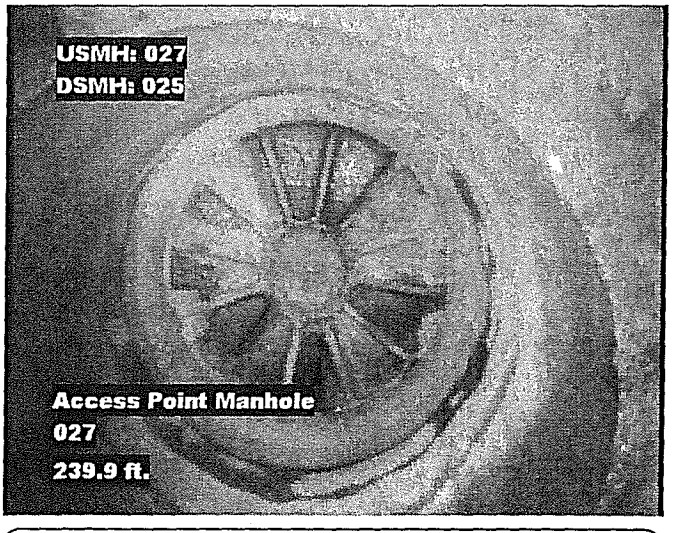
Distance: 235.7 ft. **Grade:** 1
Condition: Crack Circumferential
Remarks: N/A



Distance: 235.7 ft. **Grade:** 1
Condition: Roots Fine Joint
Remarks: N/A



Distance: 235.7 ft. **Grade:** 3
Condition: Roots Medium Joint
Remarks: N/A



Distance: 239.9 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 027

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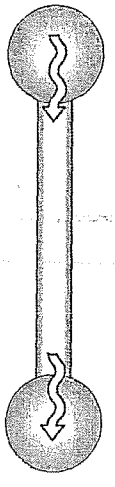
Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
026_028	Hillview	Bigoak Dr	Vitrified Clay Pipe		Easement/R...	Sanitai
Upstream MH	Total Length	Year Laid	Shape		Location Details	
026			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
028	156.6		8	8		

SPR	N/A	MPR	N/A	PO Number	Customer
SPRI	N/A	MPRI	N/A		City of Hillview
QSR	N/A	QMR	N/A	Work Order	Purpose
					Capital Improvement Program As...

OPR	Surveyed By	Direction	Date	Media label
N/A	Bunch	Downstream	20130615	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
N/A		Jetting	10:12	Dry
Date Cleaned			End Time	Additional Info
20130614			10:43	



0.0 ft. Access Point Manhole

0.0 ft. Water Level

156.6 ft. Access Point Manhole

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PIPE EYES

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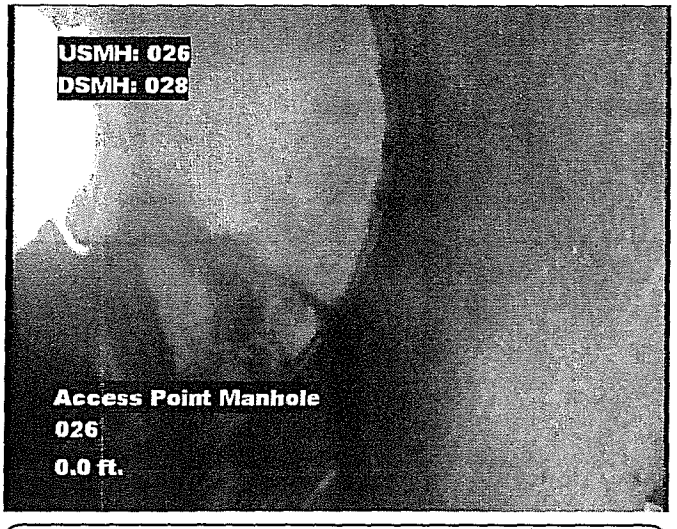
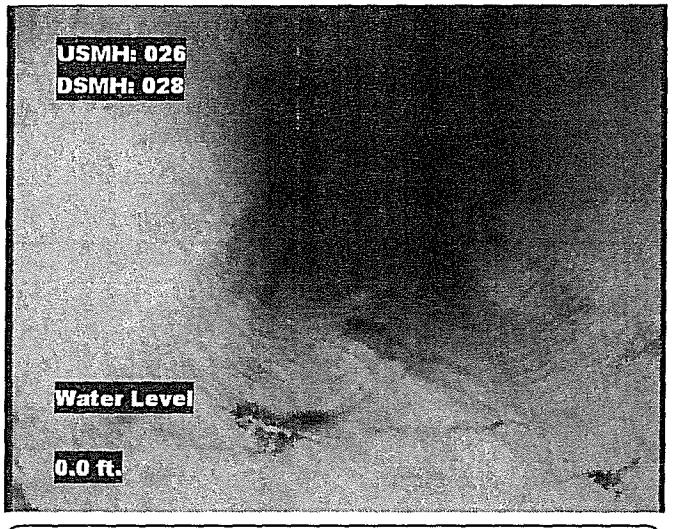
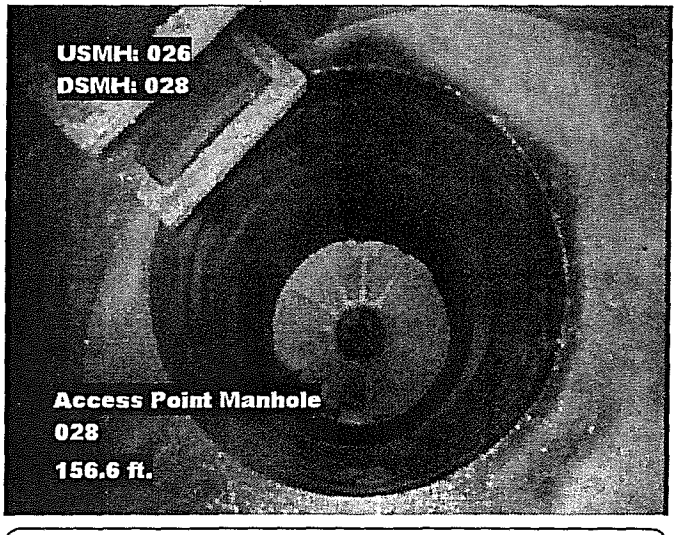
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
026_028	Hillview	Bigoak Dr	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
026			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
028	156.6		8	8		



Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: 026



Distance: 0.0 ft. Grade: 0
Condition: Water Level
Remarks: N/A



Distance: 156.6 ft. Grade: 0
Condition: Access Point Manhole
Remarks: 028

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Defect Listing Plot

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
028_029	Hillview	Bigoak Dr	Vitrified Clay Pipe	Easement/R...	Sanita

Upstream MH	Total Length	Year Laid	Shape	Location Details
028			Circular	

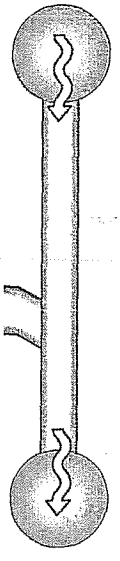
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
029	112.8		8	8		

SPR	N/A	MPR	N/A	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	N/A	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	N/A		

OPR	Surveyed By	Direction	Date	Media label
N/A	Bunch	Downstream	20130615	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A		Jetting	10:45	Dry	

Date Cleaned	End Time	Additional Info
20130614	10:49	



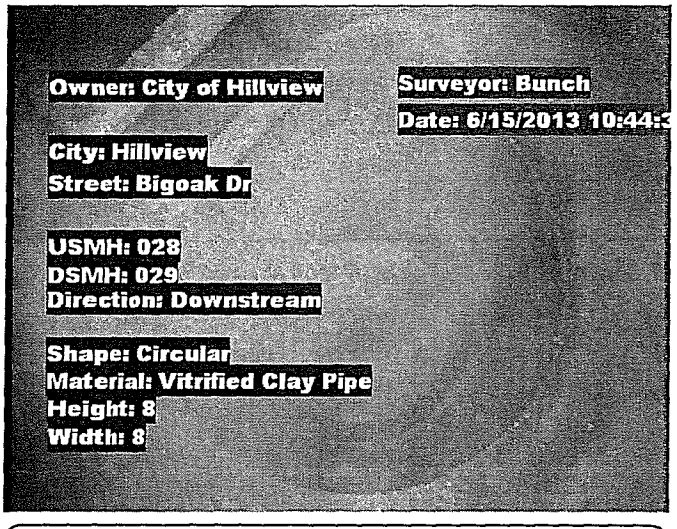
0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
95.5 ft.	Tap Factory Made
112.8 ft.	Access Point Manhole

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
(502)955*5288

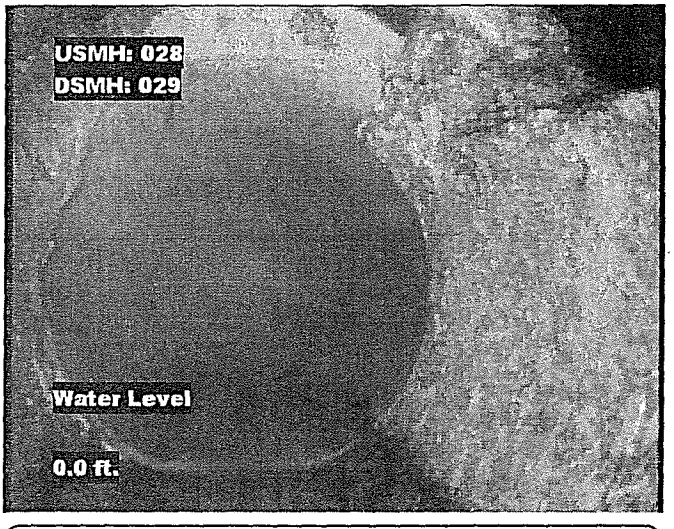
PIPE EYES

Image Report 4/Page

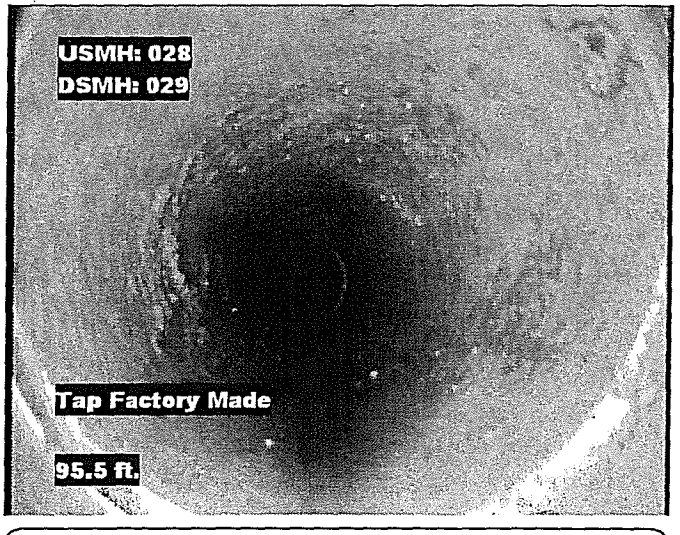
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
028_029	Hillview	Bigoak Dr	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
028			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
029	112.8		8	8		



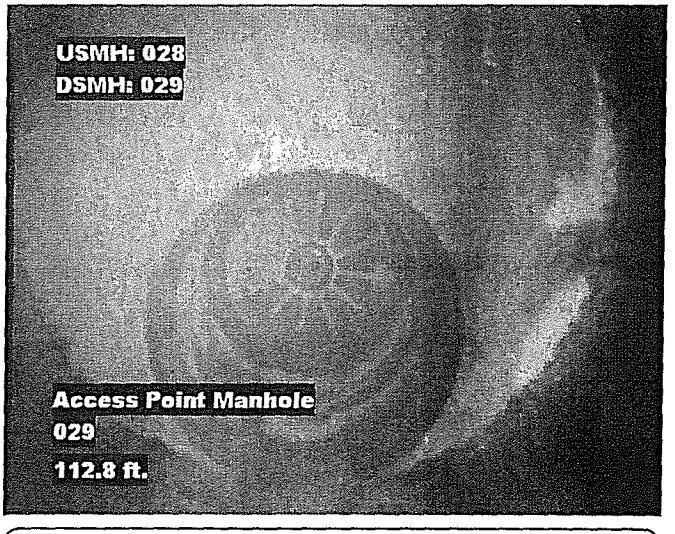
Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	028		



Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	95.5 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	112.8 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	029		

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PIPE EYES

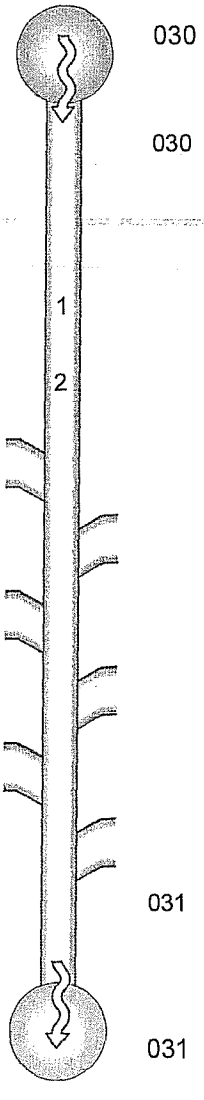
Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
030_031	Hillview	Bigoak Dr	Vitrified Clay Pipe		Easement/R...	Sanita
Upstream MH	Total Length	Year Laid	Shape		Location Details	
030			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
031	249.1		8	8		

SPR	1	MPR	2	PO Number	Customer
SPRI	1	MPRI	2		City of Hillview
QSR	1100	QMR	2100	Work Order	Purpose
					Capital Improvement Program As...

OPR	Surveyed By	Direction	Date	Media label
3	Bunch	Downstream	20130615	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
1.5		Jetting	11:05	Dry
Date Cleaned			End Time	Additional Info
20130614			11:42	

0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
4.0 ft.	Crack Circumferential
41.4 ft.	Deposits Attached Grease
88.1 ft.	Tap Factory Made
90.1 ft.	Tap Factory Made
161.3 ft.	Tap Factory Made
163.2 ft.	Tap Factory Made Active
219.4 ft.	Tap Factory Made
221.3 ft.	Tap Factory Made
249.1 ft.	Access Point Manhole



Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
(502)955*5288

PIPE EYES

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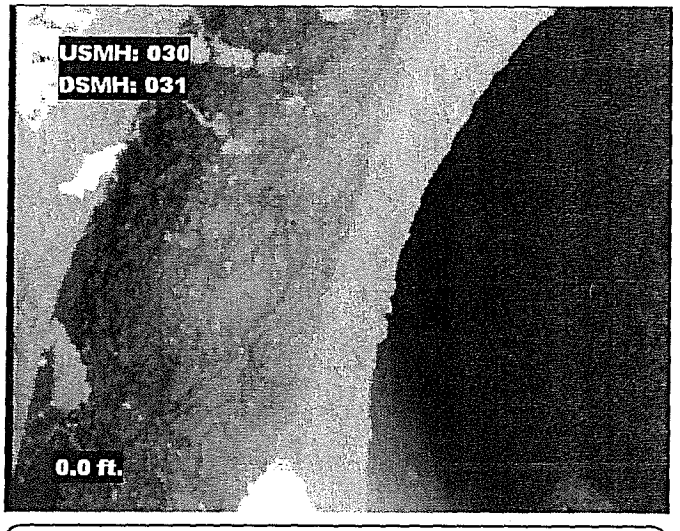
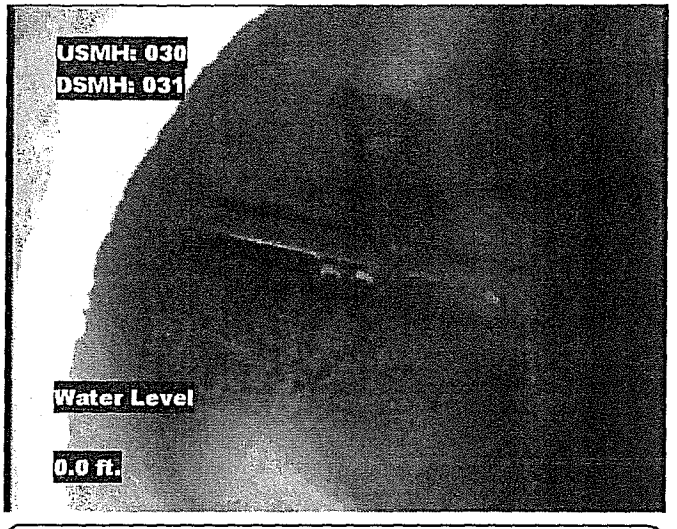
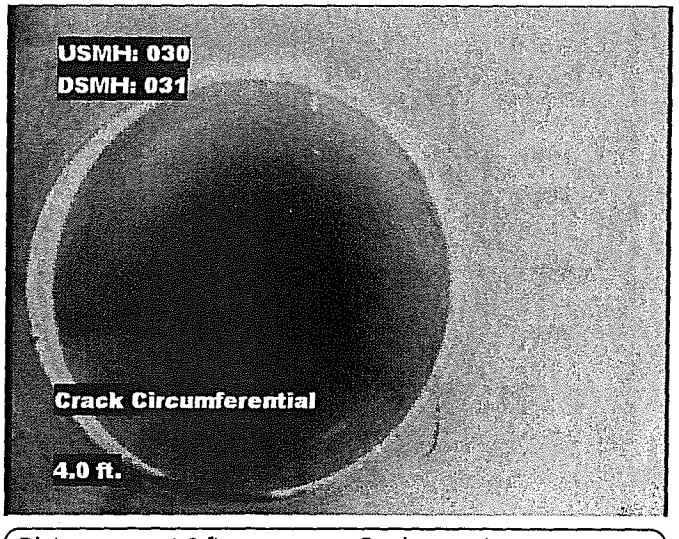
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
030_031	Hillview	Bigoak Dr	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
030			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
031	249.1		8	8		



Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: 030



Distance: 0.0 ft. Grade: 0
Condition: Water Level
Remarks: N/A



Distance: 4.0 ft. Grade: 1
Condition: Crack Circumferential
Remarks: N/A

Distance: 41.4 ft. Grade: 2
Condition: Deposits Attached Grease
Remarks: N/A

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
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PIPE EYES

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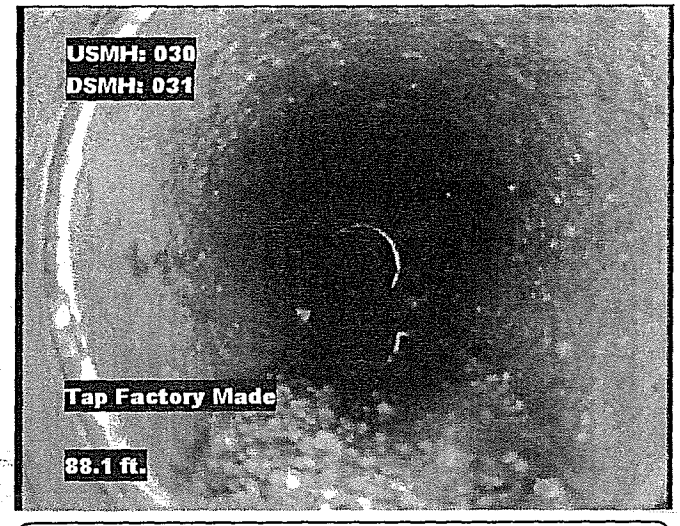
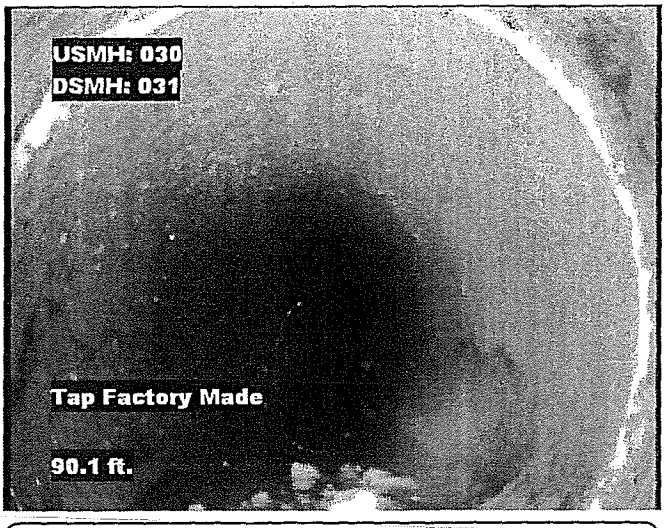
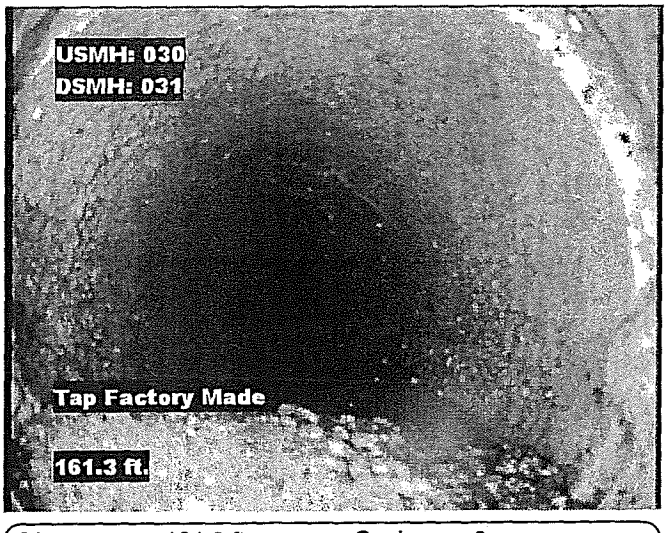
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
030_031	Hillview	Bigoak Dr	Vitrified Clay Pipe		Easement/R...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
030			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
031	249.1		8	8		



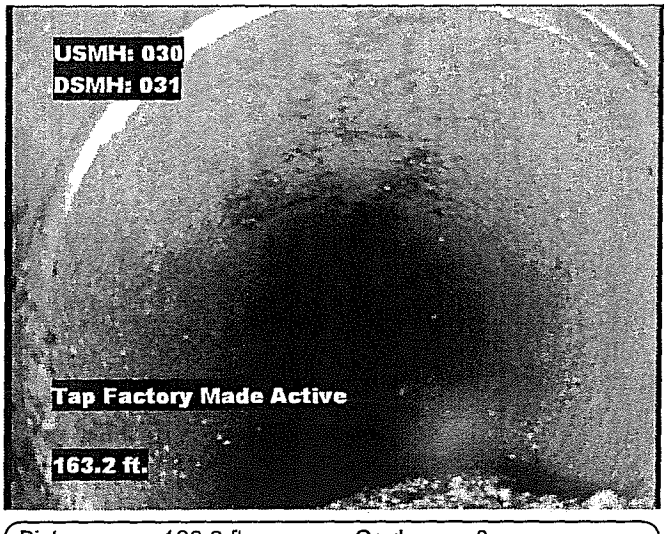
Distance: 88.1 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 90.1 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 161.3 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 163.2 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A

Pipe Eyes
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Louisville KY 40229 Kentucky 40229
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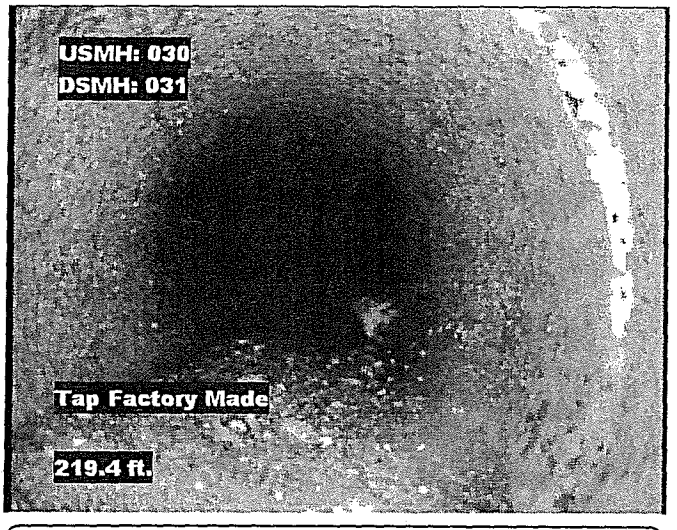
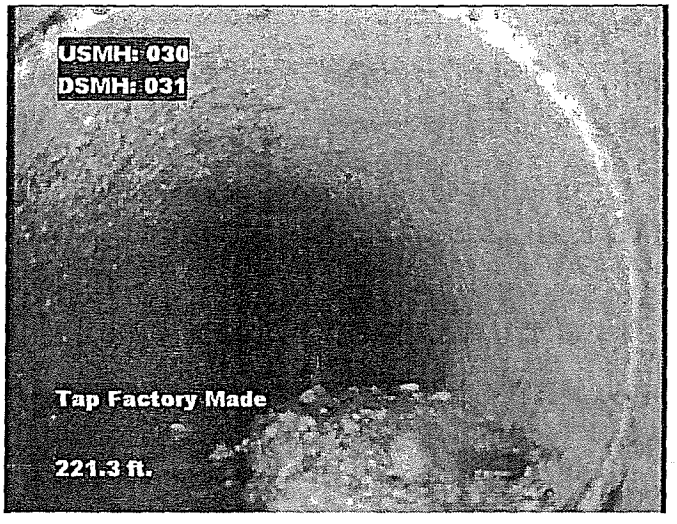
PIPE EYES

Image Report 4/Page

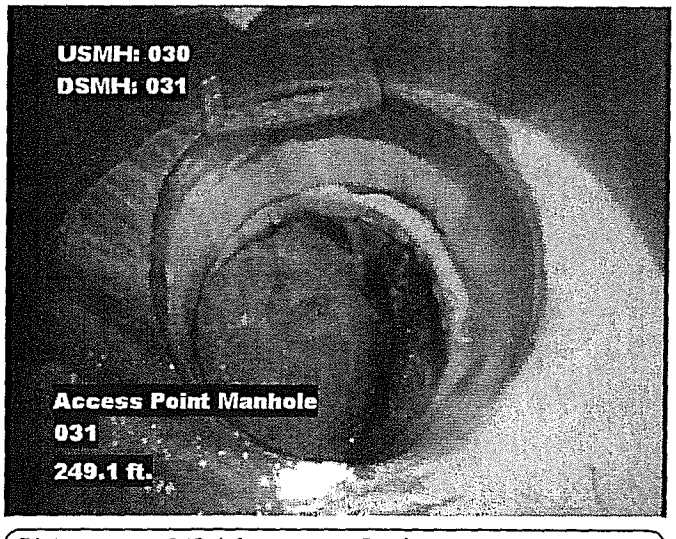
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
030_031	Hillview	Bigoak Dr	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
030			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
031	249.1		8	8		



Distance:	219.4 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	221.3 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	249.1 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	031		

Pipe Eyes
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PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use•
031_0029	Hillview	Bigoak Dr	Vitrified Clay Pipe	Easement/R...	Sanitai

Upstream MH	Total Length	Year Laid	Shape	Location Details
031			Circular	

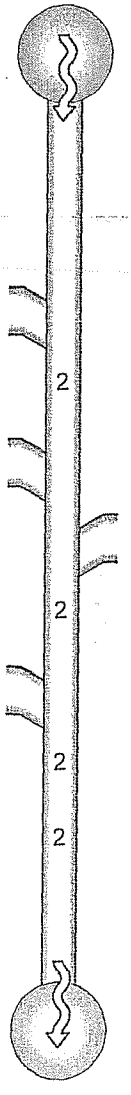
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
029	298.2		8	8		

SPR	N/A	MPR	48	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	2	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	2C00		

OPR	Surveyed By	Direction	Date	Media label
48	Bunch	Downstream	20130615	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
2		Jetting	11:44	Dry	

Date Cleaned	End Time	Additional Info
20130614	11:57	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
33.8 ft.	Tap Factory Made
86.3 ft.	Deposits Attached Grease - S01
94.0 ft.	Tap Factory Made
101.0 ft.	Tap Factory Made
108.8 ft.	Deposits Attached Grease - F01
152.2 ft.	Tap Factory Made
200.6 ft.	Deposits Attached Grease - S02
298.2 ft.	Deposits Attached Grease - F02
298.2 ft.	Access Point Manhole

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PIPE EYES

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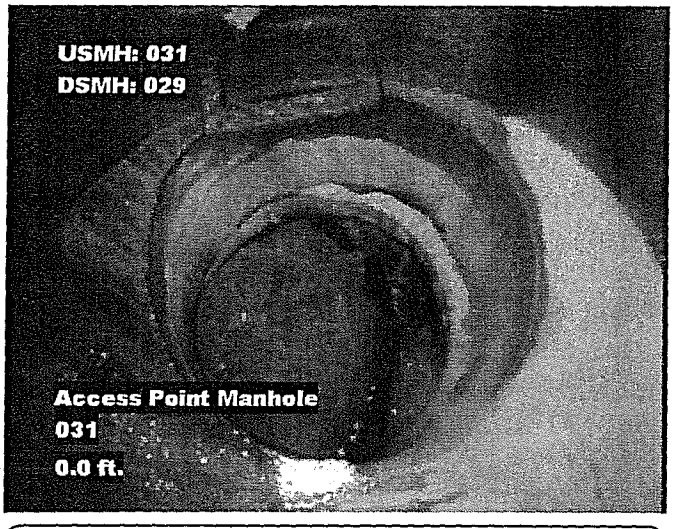
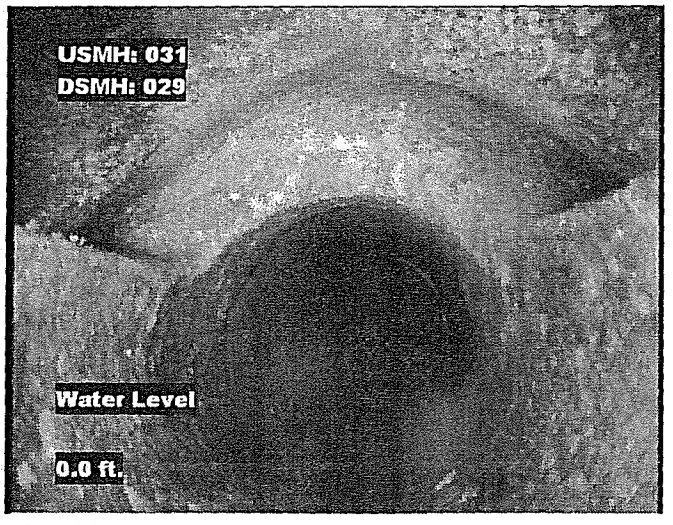
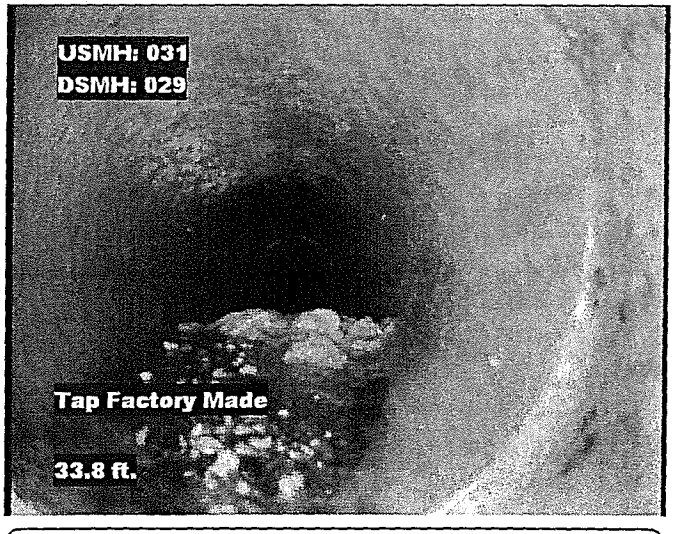
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
031_0029	Hillview	Bigoak Dr	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
031			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
029	298.2		8	8		



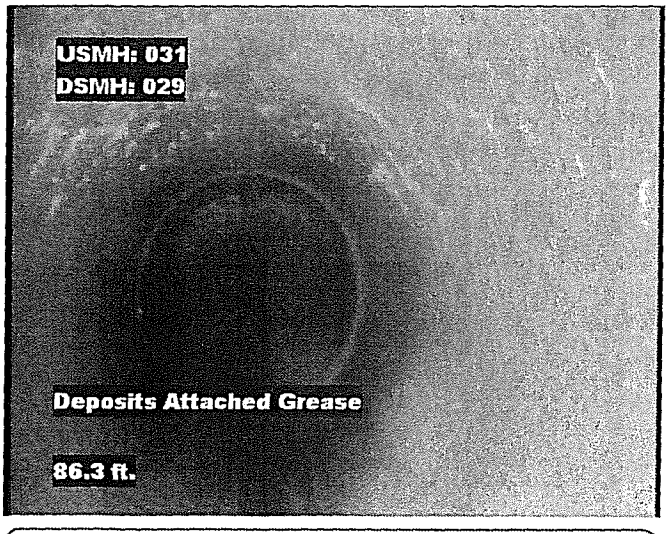
Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	031		



Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	33.8 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	86.3 ft.	Grade:	2
Condition:	Deposits Attached Grease		
Remarks:	N/A		

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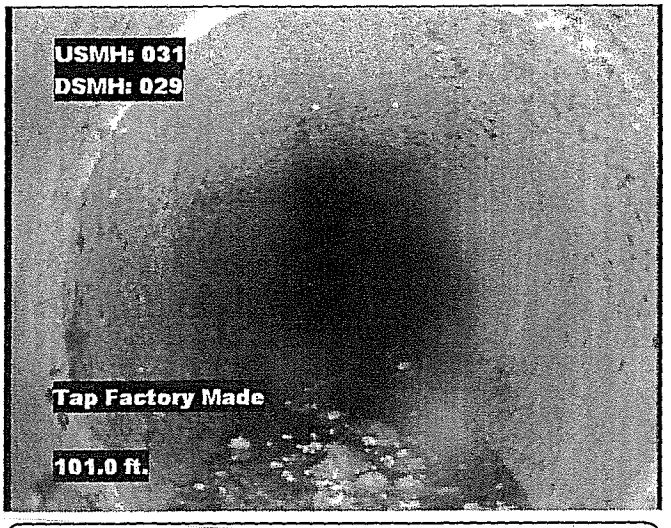
PIPE EYES

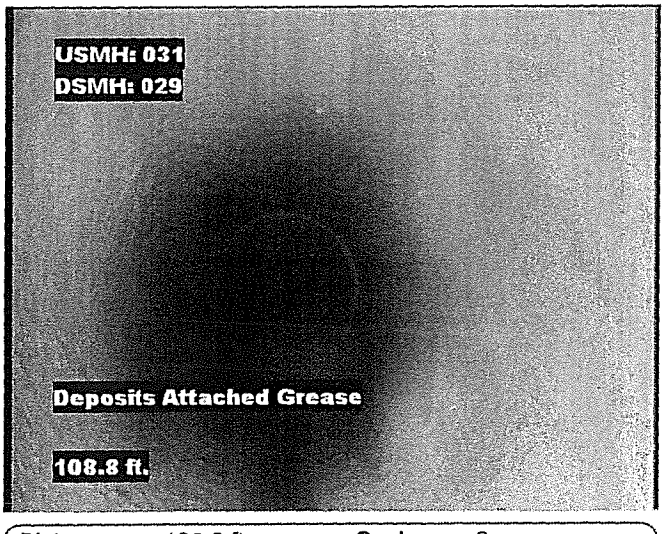
Image Report 4/Page

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
031_0029	Hillview	Bigoak Dr	Vitrified Clay Pipe		Easement/R...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
031			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
029	298.2		8	8		

Distance: 94.0 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 101.0 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 108.8 ft. Grade: 2
Condition: Deposits Attached Grease
Remarks: N/A

Distance: 152.2 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

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145 Smith Lane
Louisville KY 40229 Kentucky 40229
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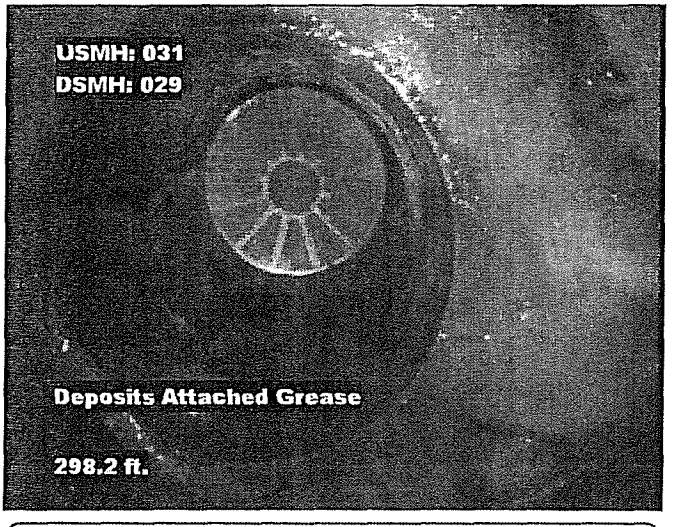
PIPE EYES

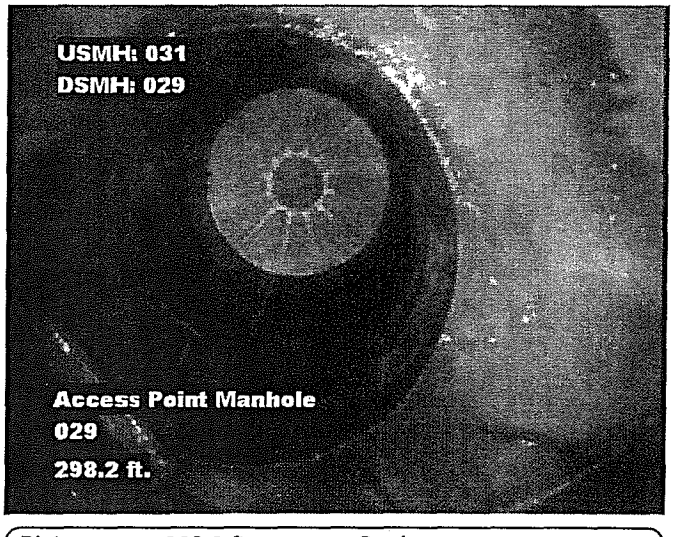
Image Report 4/Page

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
031_0029	Hillview	Bigoak Dr	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
031			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
029	298.2		8	8		

Distance:	200.6 ft.	Grade:	2
Condition:	Deposits Attached Grease		
Remarks:	N/A		



Distance:	298.2 ft.	Grade:	2
Condition:	Deposits Attached Grease		
Remarks:	N/A		



Distance:	298.2 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	029		

PIPE EYES, LLC

PE-06142013-528-1

Hunters Hollow Subdivision 2

Video Inspection of 6-12" Sanitary Sewers

Prepared for

Bullitt Utilities INC
P.O Box 91588
Louisville, KY 40291

Pipe Eyes, LLC
2393 Alumni Drive, Suite 100
Lexington KY 40517
859.266.3200 Office 859.269.7200 Fax

1. Notification: Pipe Eyes LLC will submit a Video Inspection Report ("Report") to Customer, documenting its investigation. Submission of the Report will be the only responsibility of Pipe Eyes with regard to its investigation. Under no circumstances will Pipe Eyes have any duty to warn, notify or take any other actions whatsoever concerning any hazard or danger which may be discovered by Pipe Eyes or indicated by its Report, including but not limited to, notification concerning dangers which may be associated with gas lines penetrating sewer or storm sewer pipelines. Customer agrees that it has the sole duty to warn, notify or take remedial action concerning any hazards or dangers indicated or documented in the Report. Customer agrees that it will promptly take any and all actions necessary, reasonable or appropriate to make safe any hazardous or dangerous condition(s) indicated by its Report and will promptly notify and warn any persons or entities of any known dangers, which are necessary, reasonable or prudent.

2. Data: The Report generated and submitted to Customer by Pipe Eyes is uninterpreted data. Pipe Eyes takes no responsibility for analyzing or

interpreting any of this data with respect to any potential danger, which may or may not be identifiable from its Report. The sole purpose of the Report is to provide raw data to Customer so that it may determine potential areas of blockage, leakage, seepage, and/or any hazards or dangers, so that the Customer may make its own determination as to the appropriate course of action to remedy such conditions.

3. Indemnification: Customer shall indemnify, defend and hold harmless Pipe Eyes LLC and its members, managers, officers, employees, agents and representatives from and against any claims, demands, liabilities, losses, damages, actions, causes of action, judgments, costs and expenses of any kind or character including, without limitation, reasonable attorneys' fees, for injuries or death to persons and/or damage to property arising out of, resulting from or in any way incident to any hazardous or dangerous condition existing in Customer's pipelines or identified or identifiable in its Report(s).

Project Information

Project Name:	Project Number:	Date:
Hunters Hollow Subdivision 2		6/14/2013

Contractor	**Pipe Eyes**
Responsible:	**Bobby Chesnut**
Department:	
Street:	**145 Smith Lane**
City:	**Louisville KY 40229**
Telephone:	**(502)955*5288**
Fax:	**(502)955-5413**
Mobile:	**(859)983-3873**
EMail:	**www.pipeeyesllc.com**

Client	**Bullit Utilities INC**
Responsible:	**Larry Smither**
Department:	
Street:	**P.O Box 91588**
City:	**Louisville 40291**
Telephone:	**(502) 693-8634**
Fax:	
Mobile:	
EMail:	

Notes:

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
(502)955*5288

Project Summary

Project Name:	Hunters Hollow Subdivision 2							
US MH	DS MH	Pipe ID	Date	Street	Material	Size	Total	Insp
003	004	003_004	7/1/2013	Cadenza	Vitrified Clay Pipe	8	0	335.8
004	075	004_075	7/2/2013	Easement	Vitrified Clay Pipe	8	0	168.9
017	018	017_018	7/1/2013	Cadenza	Vitrified Clay Pipe	8	0	0
029	044	029_044	6/17/2013	Bigoak	Vitrified Clay Pipe	8	0	340.8
032	033	032_033	6/15/2013	Cadenza	Vitrified Clay Pipe	8	0	347.9
033	034	033_034	6/15/2013	Cadenza	Vitrified Clay Pipe	8	0	376.3
034	035	034_035	6/15/2013	Cadenza	Vitrified Clay Pipe	8	0	261.3
035	041	035_041	6/17/2013	Carrissa Ct	Vitrified Clay Pipe	8	0	28.8
036	037	036_037	6/17/2013	Fawn Ct	Vitrified Clay Pipe	8	0	270.6
037	034	037_034	6/17/2013	Fawn Ct	Vitrified Clay Pipe	8	0	161
038	039	038_039	6/17/2013	Bigwood Way	Vitrified Clay Pipe	8	0	385.3
039	040	039_040	6/17/2013	Bigwood Way	Vitrified Clay Pipe	8	0	390.7
040	048	040_048	6/17/2013	Bigoak	Vitrified Clay Pipe	8	0	397.8
041	029	041_029	6/17/2013	Carrissa Ct	Vitrified Clay Pipe	8	0	299.9
043	042	043_035	6/17/2013	Carrissa Ct	Vitrified Clay Pipe	8	0	262.4
044	045	044_045	6/17/2013	Bigoak	Vitrified Clay Pipe	8	0	148.4
045	046	045_046	6/17/2013	Bigoak	Vitrified Clay Pipe	8	0	41
046	048	046_048	6/17/2013	Bigoak	Vitrified Clay Pipe	8	0	133.6
047	046	047_046	6/17/2013	Bally Castle	Vitrified Clay Pipe	8	0	254.6
048	051	048_051	6/18/2013	Easement	Vitrified Clay Pipe	8	0	227
049	050	049_050	6/17/2013	Bigoak	Vitrified Clay Pipe	8	0	288.4
050	051	050_051	6/17/2013	Bigoak	Vitrified Clay Pipe	8	0	159
051	060	051_060	6/18/2013	Easement	Vitrified Clay Pipe	8	0	83.1
052	053	052_053	6/18/2013	Blue Lick Rd	PolyVinyl Chloride	8	0	385.2
053	052	053_054	6/18/2013	Blue Lick Rd	PolyVinyl Chloride	8	0	100.4
054	055	054_055	6/18/2013	Blue Lick Rd	PolyVinyl Chloride	8	0	396.8
055	056	055_056	6/18/2013	Blue Lick Rd	PolyVinyl Chloride	8	0	392.5
057	058	057_058	6/18/2013	Terry Rd	PolyVinyl Chloride	8	0	315.6
058	059	058_059	6/18/2013	Terry Rd	PolyVinyl Chloride	8	0	82.4
059	061	059_061	6/18/2013	Easement	Vitrified Clay Pipe	8	0	31
060	061	061_060	6/18/2013	Easement	Vitrified Clay Pipe	8	0	224.9
061	062	061_062	6/18/2013	Easement	Vitrified Clay Pipe	8	0	270.1
062	063	062_063	6/19/2013	Carter Ave	PolyVinyl Chloride	8	0	322.3
063	064	063_064	6/19/2013	Carter Ave	PolyVinyl Chloride	8	0	237.5
064	065	064_065	6/19/2013	Carter Ave	PolyVinyl Chloride	8	0	158.2
066	067	066_067	6/19/2013	Earlywood Way	PolyVinyl Chloride	8	0	240.7
067	070	067_070	6/19/2013	Earlywood Way	Vitrified Clay Pipe	8	0	169.2
068	066	068_066	6/19/2013	Earlywood Way	PolyVinyl Chloride	8	0	157.7
069	068	069_068	6/19/2013	Earlywood Way	PolyVinyl Chloride	8	0	293.5
071	070	071_070	6/19/2013	Earlywood Way	Vitrified Clay Pipe	8	0	0
071	070	071_070	6/19/2013	Earlywood Way	Vitrified Clay Pipe	8	0	374
073	072	073_072	6/19/2013	Earlywood Way	Vitrified Clay Pipe	8	0	236.2
078	076	078_076	7/1/2013	Cadenza	Vitrified Clay Pipe	8	0	305.7
079	077	079_077	7/1/2013	Cadenza	Vitrified Clay Pipe	8	0	170.2
082	074	082_074	7/2/2013	Easement	Vitrified Clay Pipe	8	0	6
Stub	047	Stub_047	6/17/2013	Bally Castle	Vitrified Clay Pipe	8	0	67.8

Pipe Size: 8 Total Ln.: 0 Inspected Ln.: 10301.3

PIPE EYES

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
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Project Summary

US MH	DS MH	Pipe ID	Date	Street	Material	Size	Total	Insp
017	018	017_018	7/2/2013	Easement	Vitrified Clay Pipe	10	0	231.9
018	019	018_019	7/2/2013	Easement	Vitrified Clay Pipe	10	0	149.1
070	072	070_072	6/19/2013	Earlywood Way	Vitrified Clay Pipe	10	0	127.3
072	074	072_074	7/1/2013	Earlywood Way	Vitrified Clay Pipe	10	0	235.9
074	075	074_075	7/1/2013	Earlywood Way	Vitrified Clay Pipe	10	0	244.8
075	076	075_076	7/1/2013	Earlywood Way	Vitrified Clay Pipe	10	0	294.1
076	077	076_077	7/1/2013	Earlywood Way	Vitrified Clay Pipe	10	0	310.4
077	017	077_017	7/1/2013	Earlywood Way	Vitrified Clay Pipe	10	0	256.7

Pipe Size: 10 **Total Ln.:** 0 **Inspected Ln.:** 1850.2

US MH	DS MH	Pipe ID	Date	Street	Material	Size	Total	Insp
019	080	019_080	7/2/2013	Easement	Vitrified Clay Pipe	12	0	0

Pipe Size: 12 **Total Ln.:** 0 **Inspected Ln.:** 0

Project Total Ln.: 0.0 **Project Inspected Ln.: 12151.5**

Pipe Eyes
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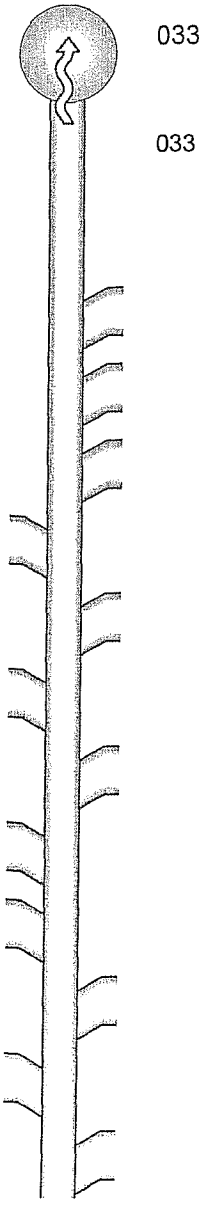
PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
032_033	Hillview	Cadenza	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
032			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
033	347.9		8	8		

SPR	N/A	MPR	N/A	PO Number	Customer
SPRI	N/A	MPRI	N/A		City of Hillview
QSR	N/A	QMR	N/A	Work Order	Purpose
					Capital Improvement Program As...

OPR	Surveyed By	Direction	Date	Media label
N/A	Bunch	Upstream	20130615	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
N/A		Jetting	12:58	Dry
Date Cleaned			End Time	Additional Info
20130614			13:14	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
13.0 ft.	Tap Factory Made
59.0 ft.	Tap Factory Made
115.5 ft.	Tap Factory Made
117.6 ft.	Tap Factory Made
173.6 ft.	Tap Factory Made
175.5 ft.	Tap Factory Made
236.4 ft.	Tap Factory Made
238.6 ft.	Tap Factory Made
295.0 ft.	Tap Factory Made
306.8 ft.	Tap Factory Made
338.4 ft.	Tap Factory Made
340.4 ft.	Tap Factory Made

Pipe Eyes
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Defect Listing Plot

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
032_033	Hillview	Cadenza	Vitrified Clay Pipe	Light High...	Sanitary

Upstream MH	Total Length	Year Laid	Shape	Location Details
032			Circular	

DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
033	347.9		8	8		

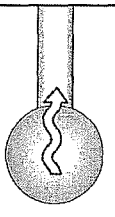
SPR	N/A	MPR	N/A	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	N/A	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	N/A		

OPR	Surveyed By	Direction	Date	Media label
N/A	Bunch	Upstream	20130615	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A		Jetting	12:58	Dry	

Date Cleaned	End Time	Additional Info
20130614	13:14	

347.9 ft. Access Point Manhole



Pipe Eyes
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PIPE EYES

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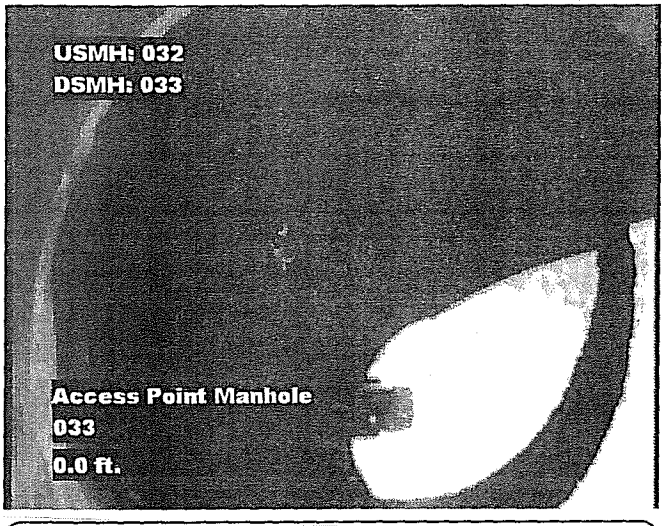
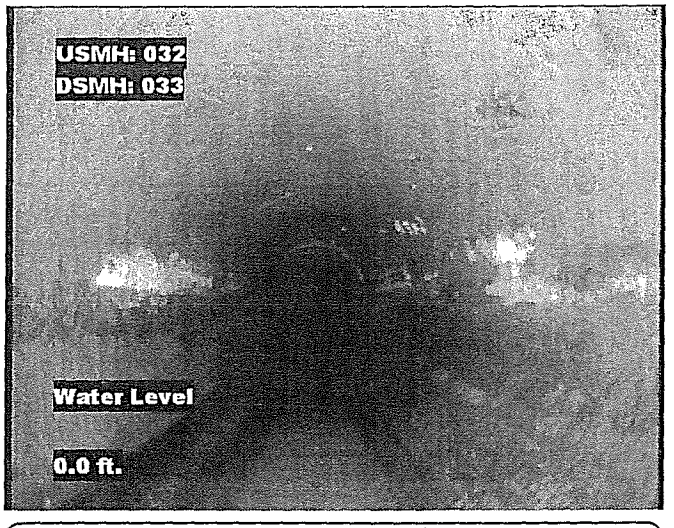
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
032_033	Hillview	Cadenza	Vitrified Clay Pipe		Light High...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
032			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
033	347.9		8	8		

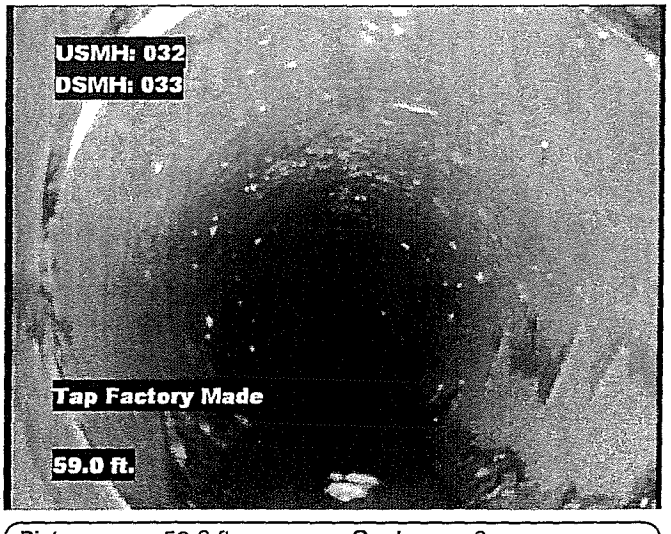


Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: 033



Distance: 0.0 ft. Grade: 0
Condition: Water Level
Remarks: N/A

Distance: 13.0 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 59.0 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

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PIPE EYES

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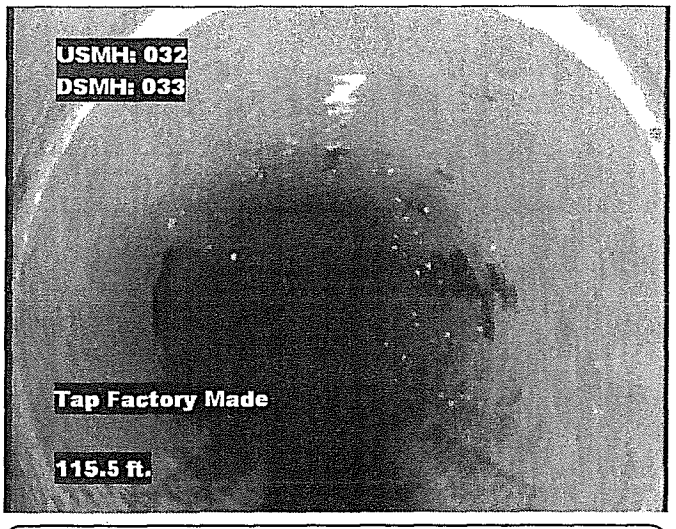
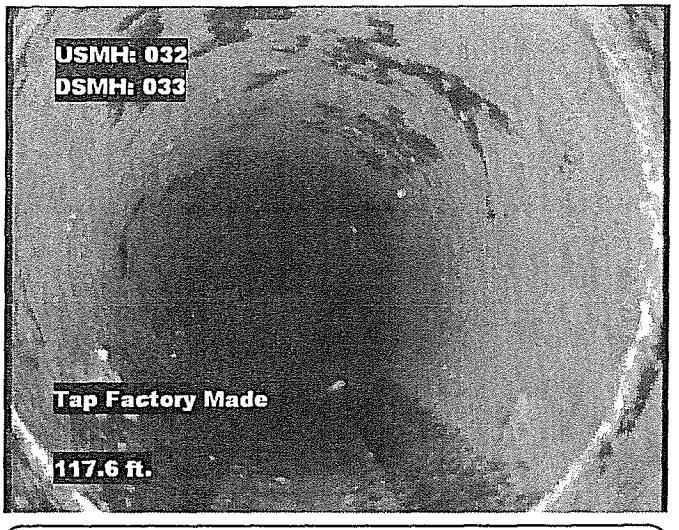
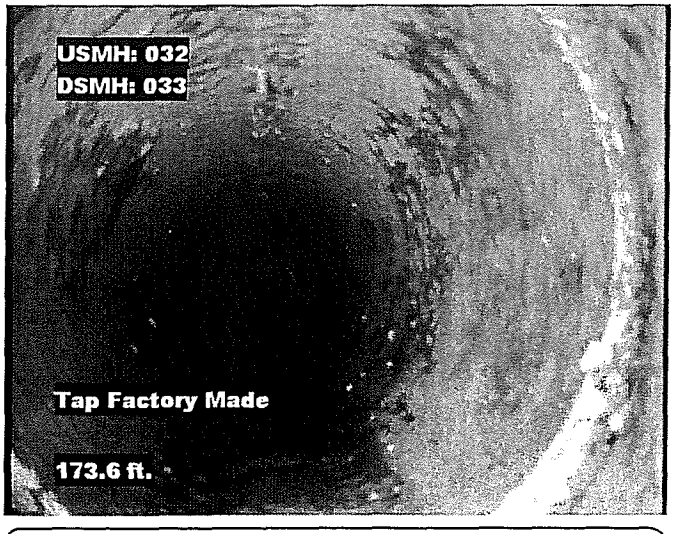
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
032_033	Hillview	Cadenza	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
032			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
033	347.9		8	8		



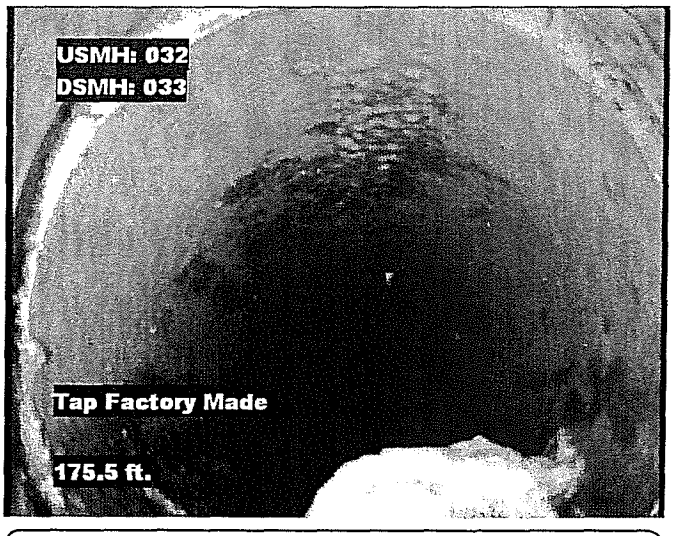
Distance: 115.5 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 117.6 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 173.6 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 175.5 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

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PIPE EYES

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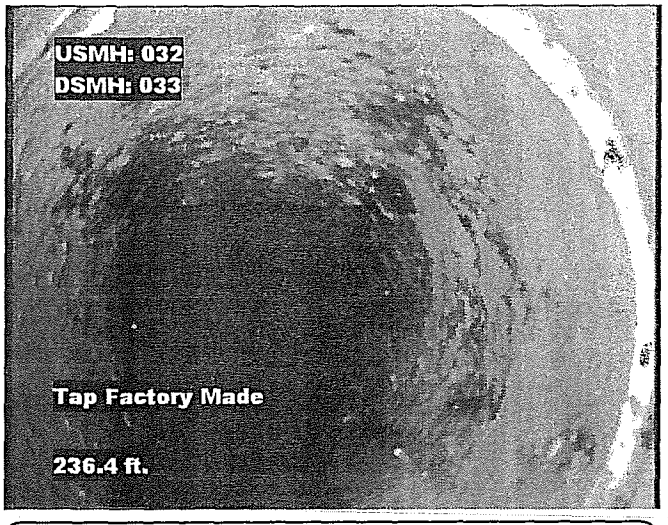
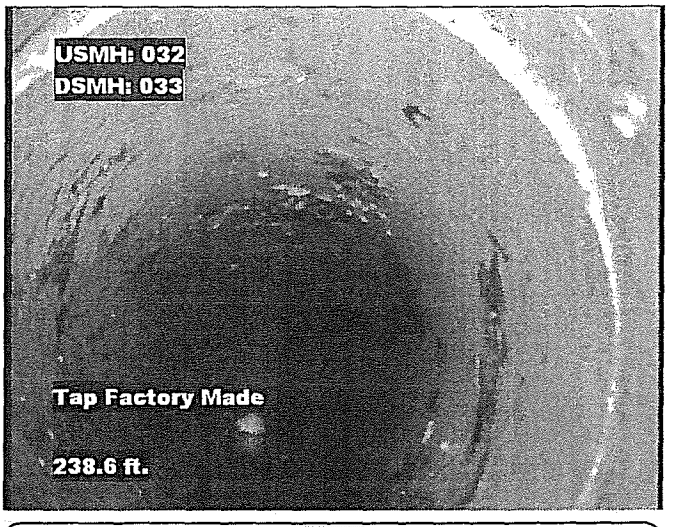
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
032_033	Hillview	Cadenza	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
032			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
033	347.9		8	8		

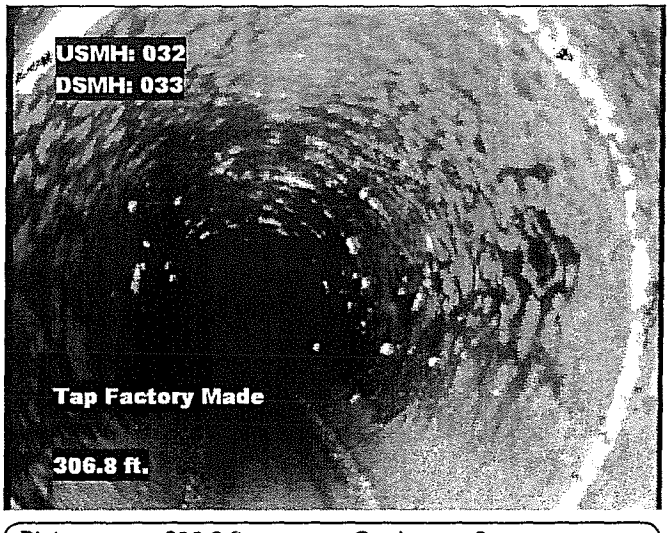


Distance: 236.4 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 238.6 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

Distance: 295.0 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 306.8 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

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PIPE EYES

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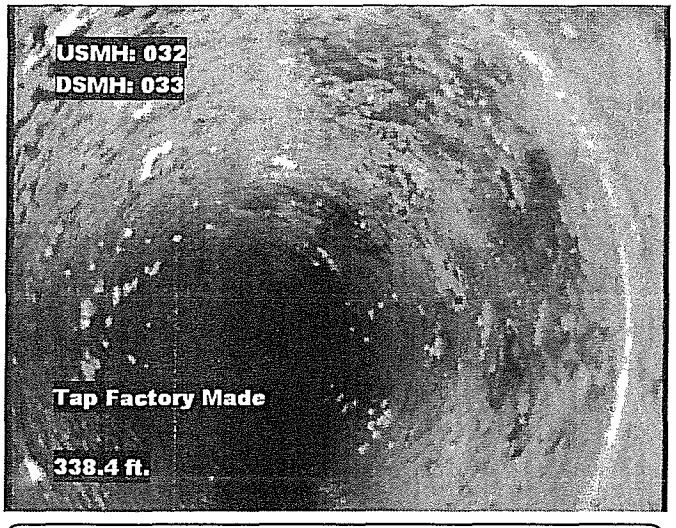
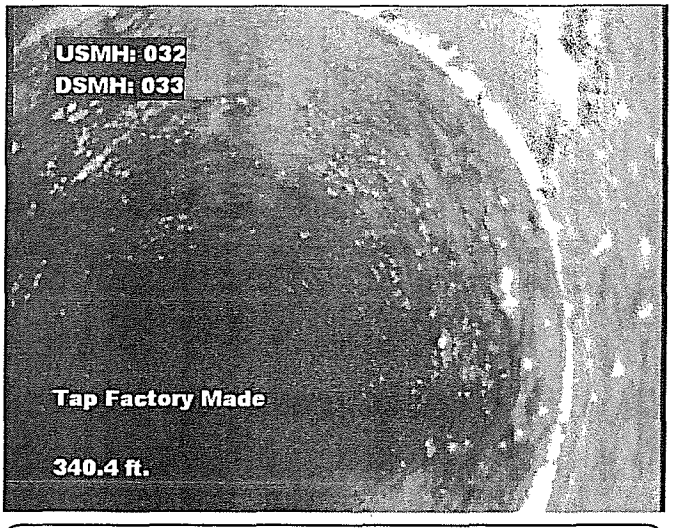
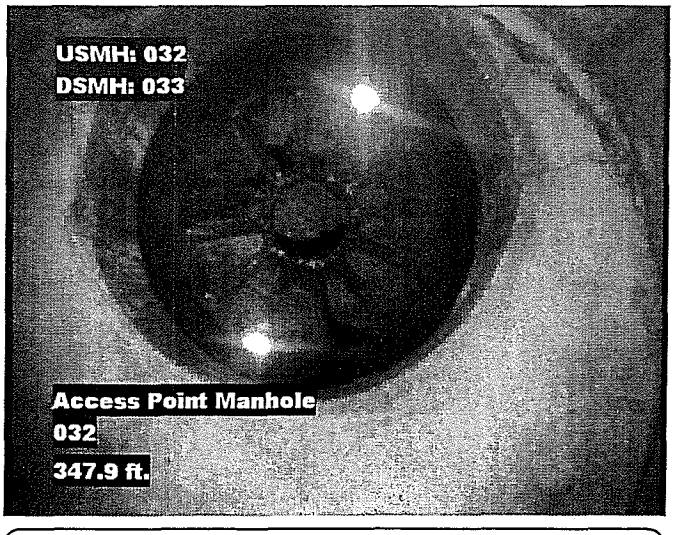
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
032_033	Hillview	Cadenza	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
032			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
033	347.9		8	8		



Distance: 338.4 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 340.4 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 347.9 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 032

Pipe Eyes
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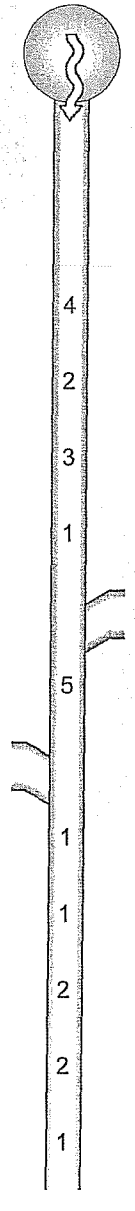
PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
033_034	Hillview	Cadenza	Vitrified Clay Pipe		Light High...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
033			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
034	376.3		8	8		

SPR	13	MPR	35	PO Number	Customer: City of Hillview
SPRI	2.6	MPRI	1.5	Work Order	Purpose: Capital Improvement Program As...
QSR	5141	QMR	5141		

OPR	Surveyed By	Direction	Date	Media label
48	Bunch	Downstream	20130615	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
1.7		Jetting	13:21	Dry
Date Cleaned			End Time	Additional Info
20130614			13:45	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
5.0 ft.	Fracture Multiple
5.0 ft.	Roots Fine Barrell
8.9 ft.	Fracture Longitudinal
19.1 ft.	Roots Fine Joint - S01
49.4 ft.	Tap Factory Made
49.4 ft.	Deposits Attached Grease
51.6 ft.	Tap Factory Made
81.8 ft.	Roots Fine Joint - F01
87.5 ft.	Roots Fine Joint
87.5 ft.	Water Level Sag - S02
97.7 ft.	Water Level Sag - F02
136.6 ft.	Roots Fine Joint

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PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
033_034	Hillview	Cadenza	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
033			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
034	376.3		8	8		

SPR	13	MPR	35	PO Number	Customer: City of Hillview
SPRI	2.6	MPRI	1.5	Work Order	Purpose: Capital Improvement Program As...
QSR	5141	QMR	5141		

OPR	Surveyed By	Direction	Date	Media label
48	Bunch	Downstream	20130615	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
1.7		Jetting	13:21	Dry
Date Cleaned			End Time	Additional Info
20130614			13:45	

137.3 ft.	Tap Factory Made		
137.3 ft.	Roots Medium Joint	3	
148.7 ft.	Roots Fine Joint	1	
151.2 ft.	Repair Point Pipe Replaced - S03		Point repair
152.5 ft.	Tap Factory Made		
153.8 ft.	Joint Offset Medium	1	
153.8 ft.	Repair Point Pipe Replaced - F03		Point repair
157.7 ft.	Hole Soil Visible	5	
198.5 ft.	Tap Factory Made		
198.5 ft.	Roots Ball Connection	4	
235.1 ft.	Tap Factory Made		
257.0 ft.	Tap Factory Made		
293.0 ft.	Roots Fine Joint	1	
318.3 ft.	Tap Factory Made		
364.6 ft.	Tap Factory Made		
376.3 ft.	Access Point Manhole		034

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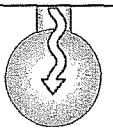
Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
033_034	Hillview	Cadenza	Vitrified Clay Pipe		Light High...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
033			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
034	376.3		8	8		

SPR 13	MPR 35	PO Number		Customer	City of Hillview
SPRI 2.6	MPRI 1.5	Work Order		Purpose	Capital Improvement Program As...
QSR 5141	QMR 5141				
OPR	Surveyed By	Direction	Date		Media label
48	Bunch	Downstream	20130615		1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
1.7		Jetting	13:21	Dry	
Date Cleaned			End Time	Additional Info	
20130614			13:45		



034

Pipe Eyes
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PIPE EYES

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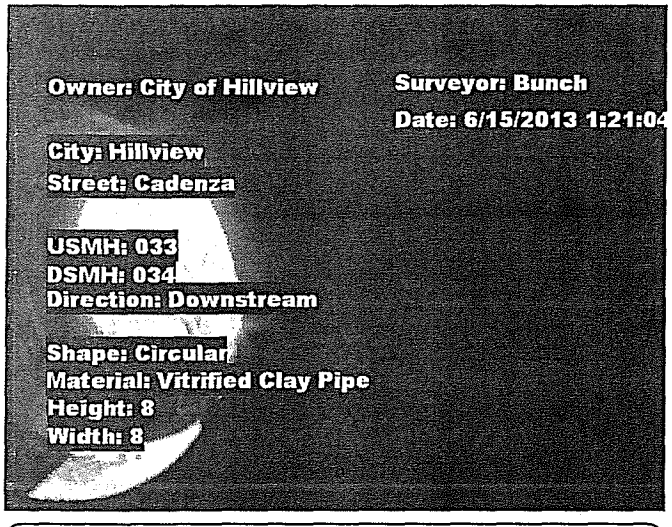
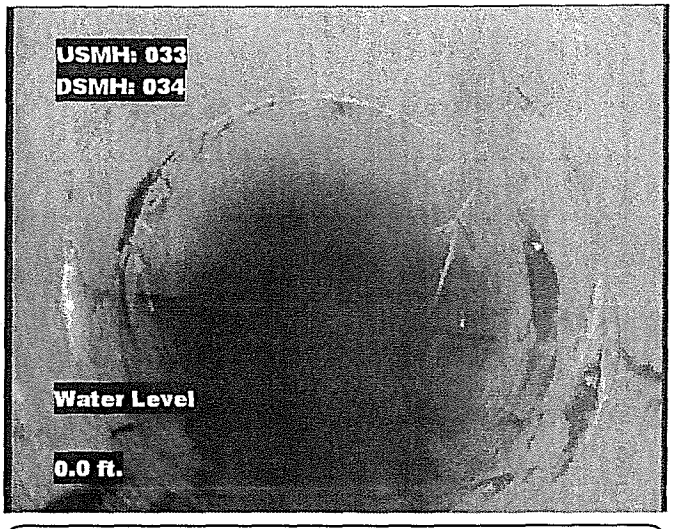
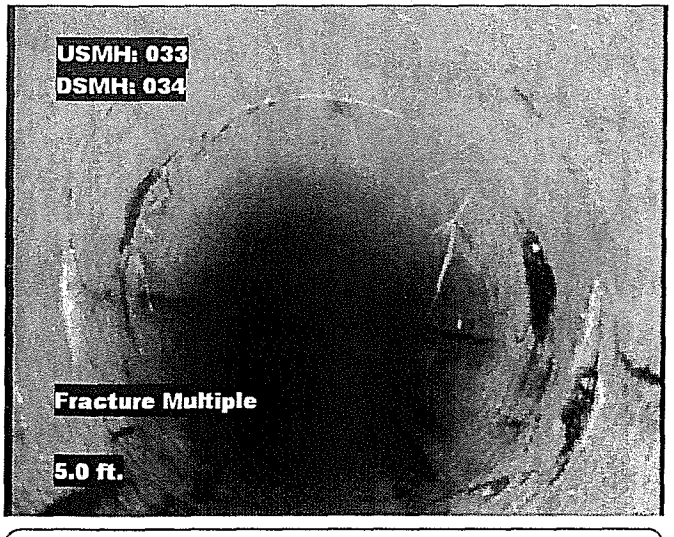
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
033_034	Hillview	Cadenza	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
033			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
034	376.3		8	8		



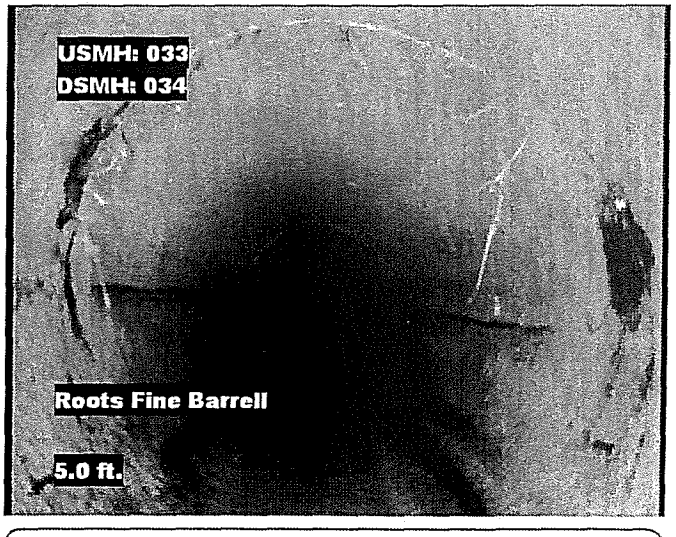
Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	033		



Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	5.0 ft.	Grade:	4
Condition:	Fracture Multiple		
Remarks:	N/A		



Distance:	5.0 ft.	Grade:	2
Condition:	Roots Fine Barrell		
Remarks:	N/A		

PIPE EYES

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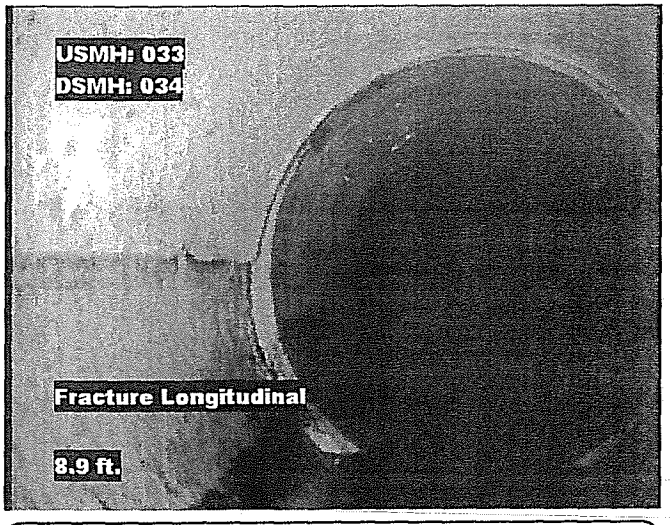
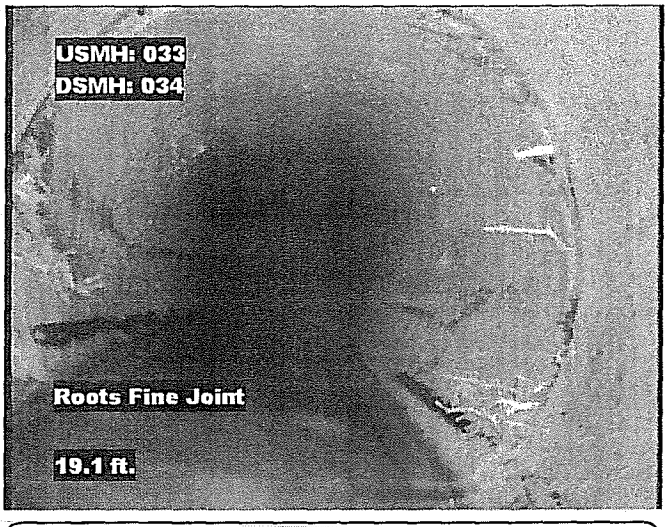
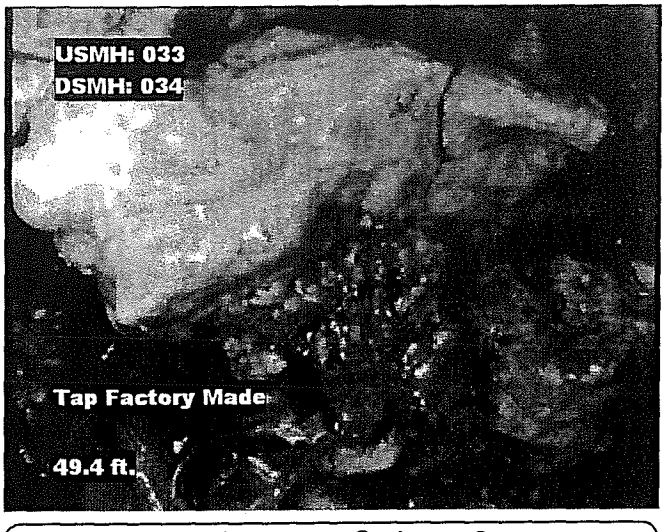
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
033_034	Hillview	Cadenza	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
033			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
034	376.3		8	8		



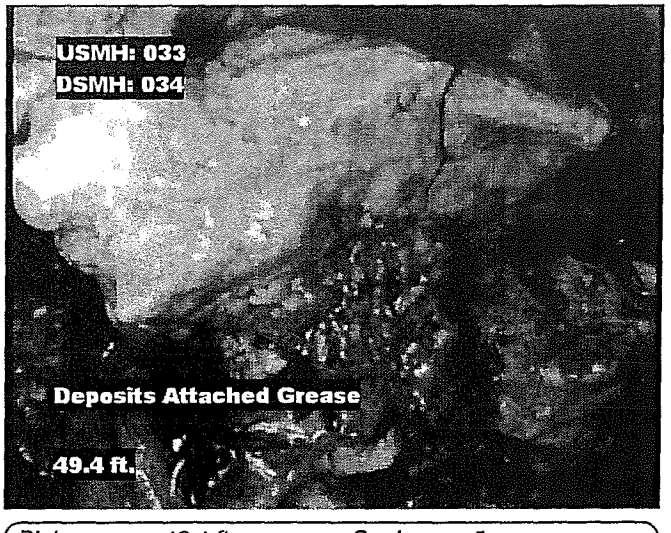
Distance: 8.9 ft. Grade: 3
Condition: Fracture Longitudinal
Remarks: N/A



Distance: 19.1 ft. Grade: 1
Condition: Roots Fine Joint
Remarks: N/A



Distance: 49.4 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 49.4 ft. Grade: 5
Condition: Deposits Attached Grease
Remarks: N/A

Pipe Eyes
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PIPE EYES

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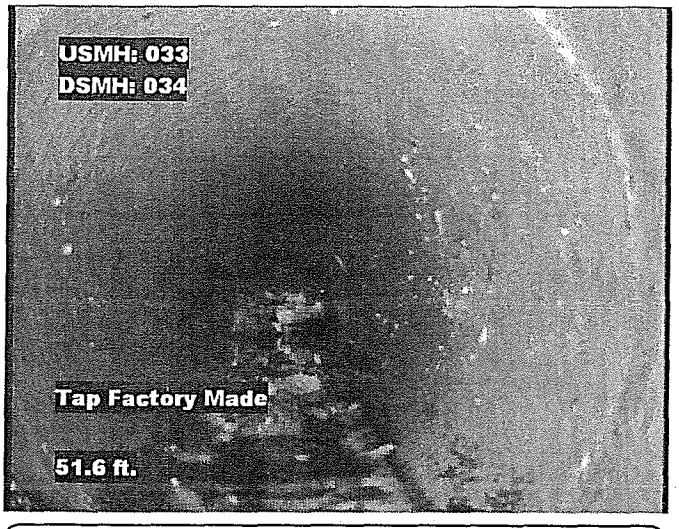
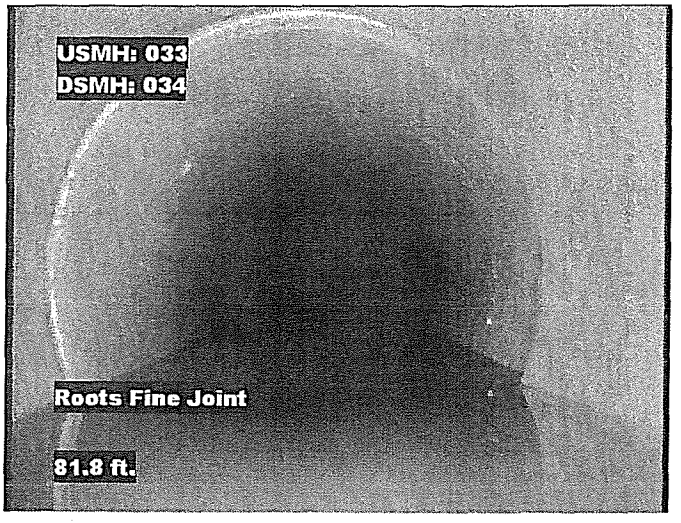
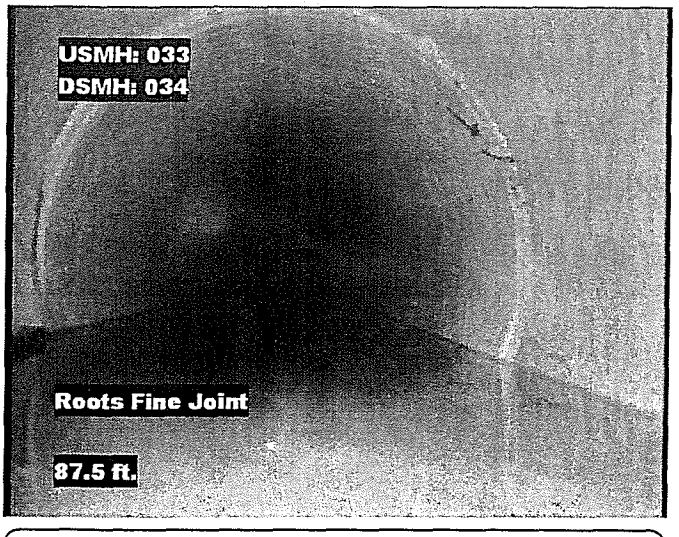
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
033_034	Hillview	Cadenza	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
033			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
034	376.3		8	8		



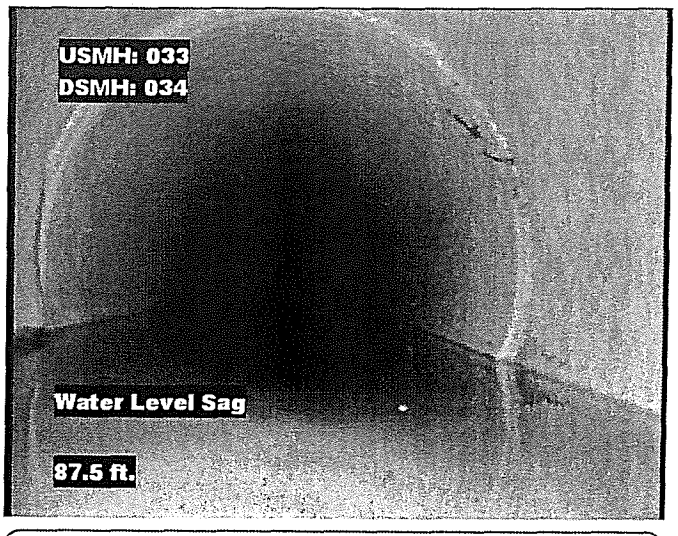
Distance: 51.6 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 81.8 ft. **Grade:** 1
Condition: Roots Fine Joint
Remarks: N/A



Distance: 87.5 ft. **Grade:** 1
Condition: Roots Fine Joint
Remarks: N/A



Distance: 87.5 ft. **Grade:** 2
Condition: Water Level Sag
Remarks: N/A

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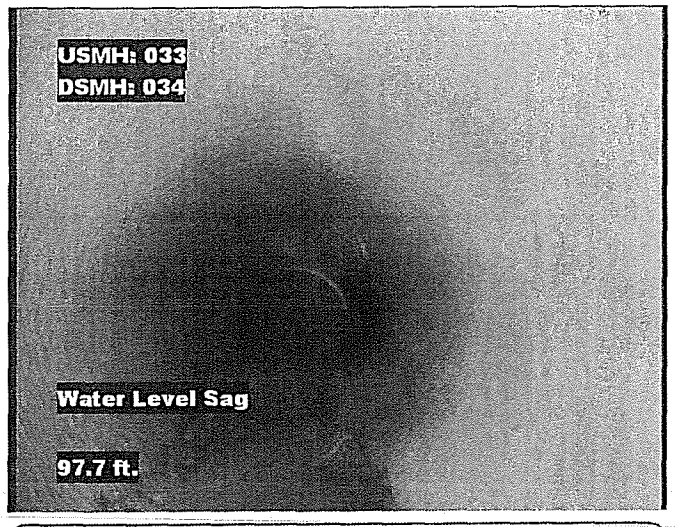
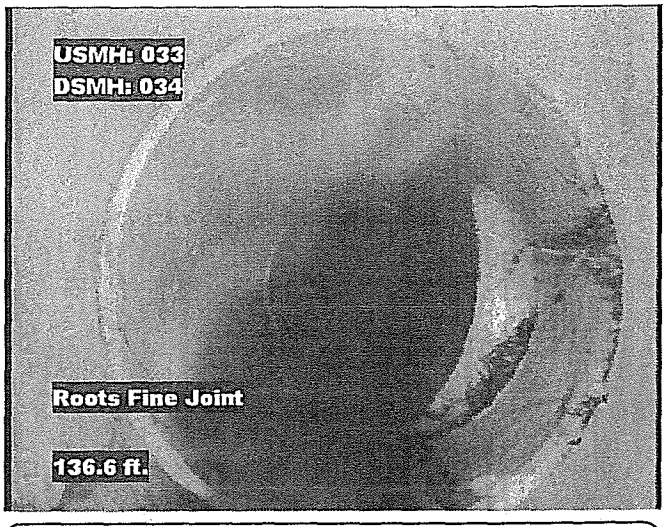
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
033_034	Hillview	Cadenza	Vitrified Clay Pipe		Light High...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
033			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
034	376.3		8	8		

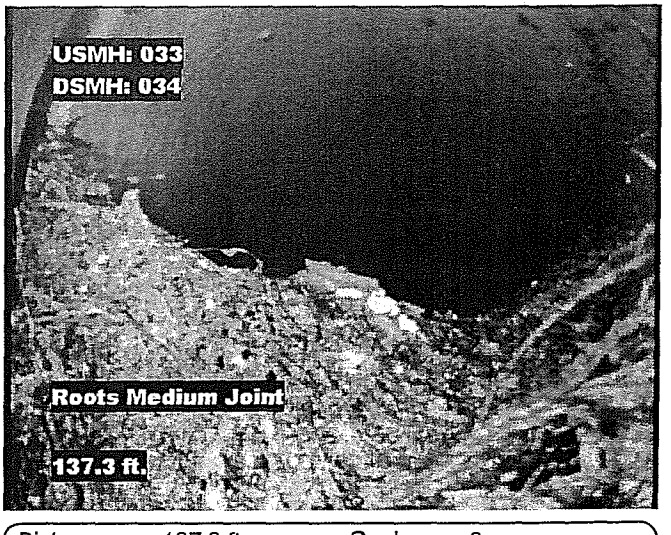


Distance: 97.7 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



Distance: 136.6 ft. Grade: 1
Condition: Roots Fine Joint
Remarks: N/A

Distance: 137.3 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 137.3 ft. Grade: 3
Condition: Roots Medium Joint
Remarks: N/A

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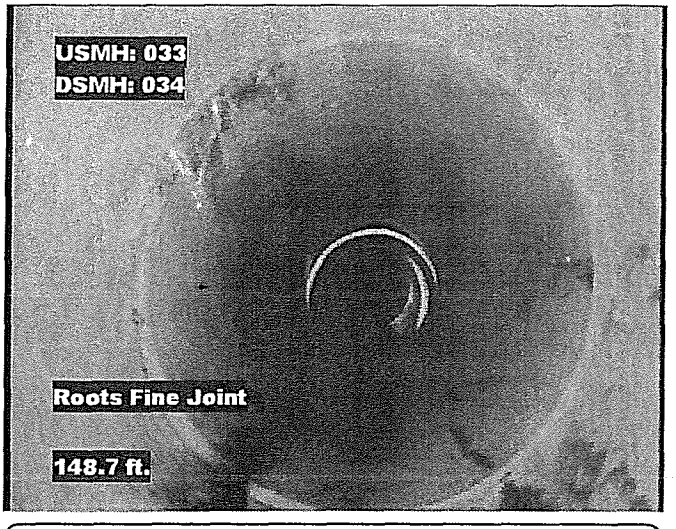
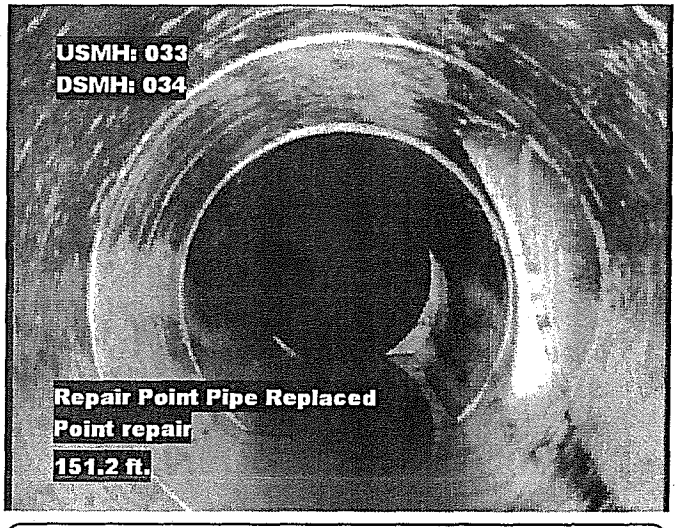
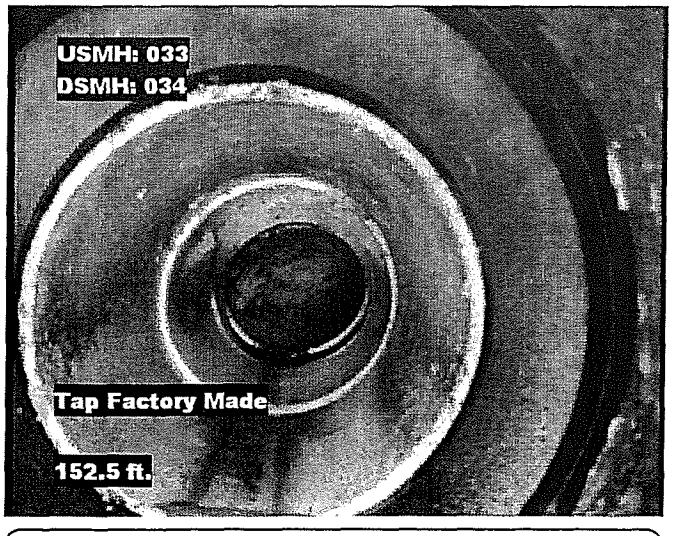
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
033_034	Hillview	Cadenza	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
033			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
034	376.3		8	8		



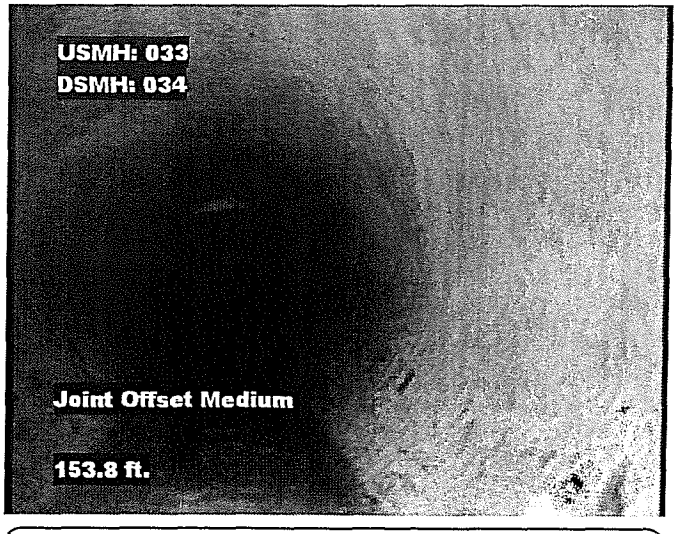
Distance: 148.7 ft. Grade: 1
Condition: Roots Fine Joint
Remarks: N/A



Distance: 151.2 ft. Grade: 0
Condition: Repair Point Pipe Replaced
Remarks: Point repair



Distance: 152.5 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 153.8 ft. Grade: 1
Condition: Joint Offset Medium
Remarks: N/A

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PIPE EYES

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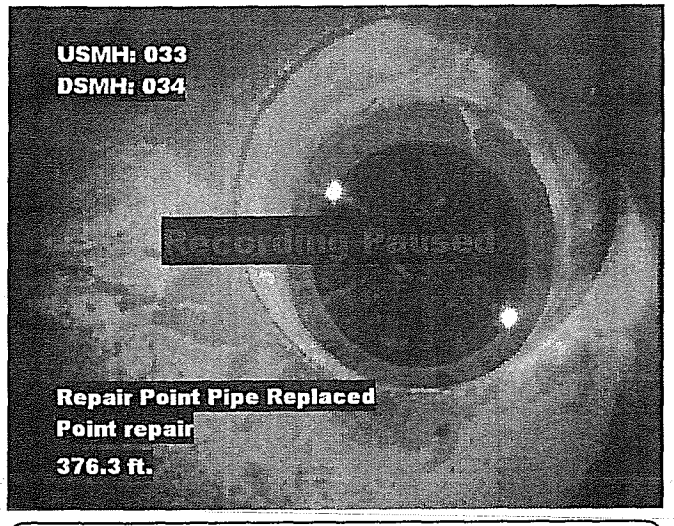
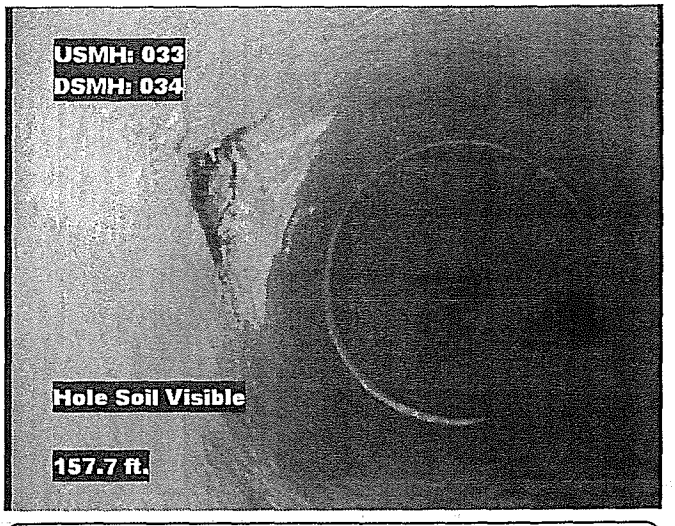
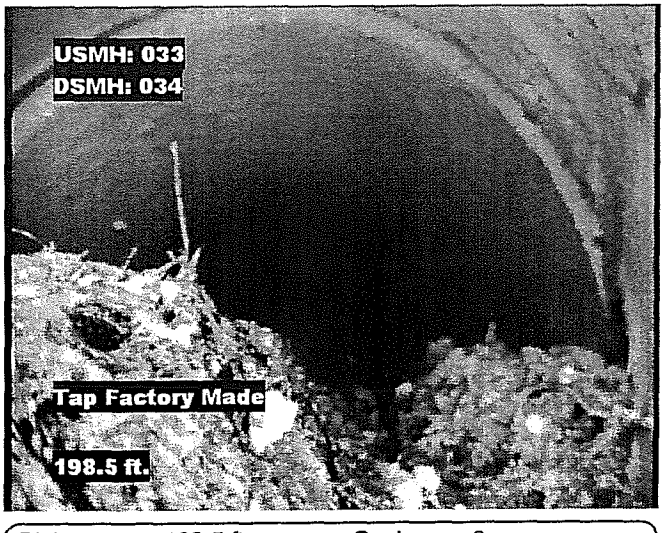
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
033_034	Hillview	Cadenza	Vitrified Clay Pipe		Light High...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
033			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
034	376.3		8	8		



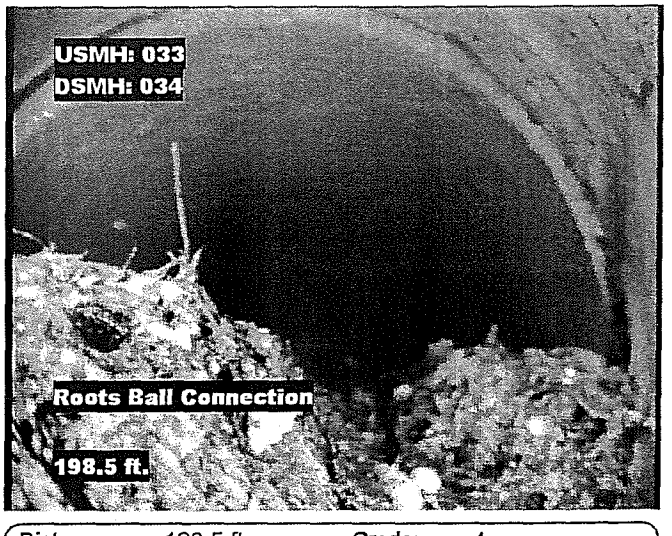
Distance: 153.8 ft. Grade: 0
Condition: Repair Point Pipe Replaced
Remarks: Point repair



Distance: 157.7 ft. Grade: 5
Condition: Hole Soil Visible
Remarks: N/A



Distance: 198.5 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 198.5 ft. Grade: 4
Condition: Roots Ball Connection
Remarks: N/A

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PIPE EYES

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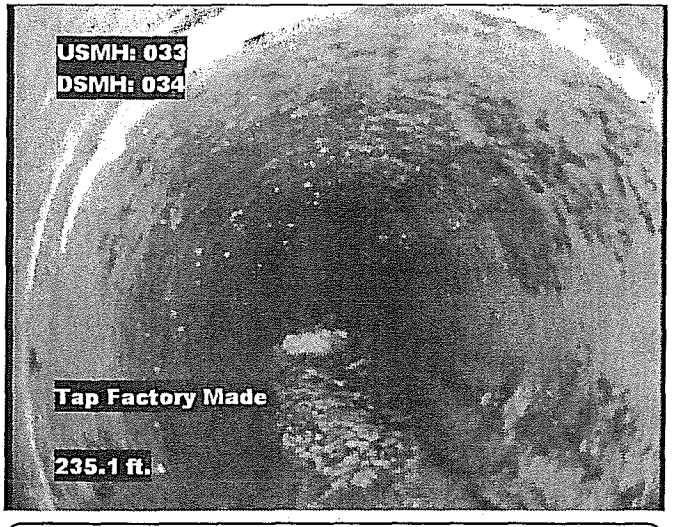
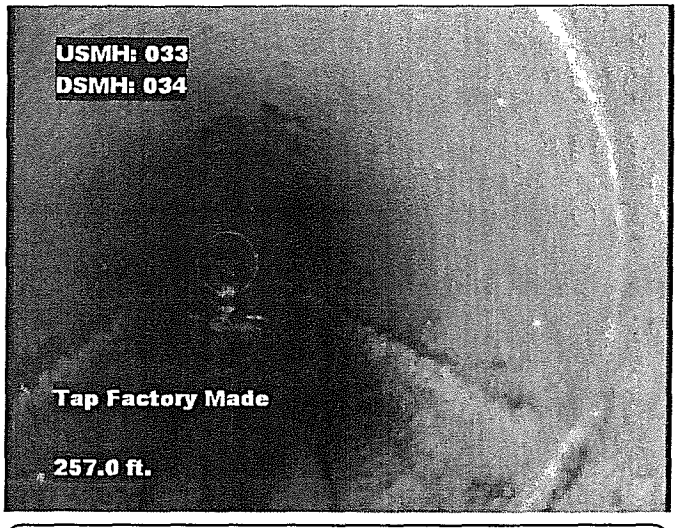
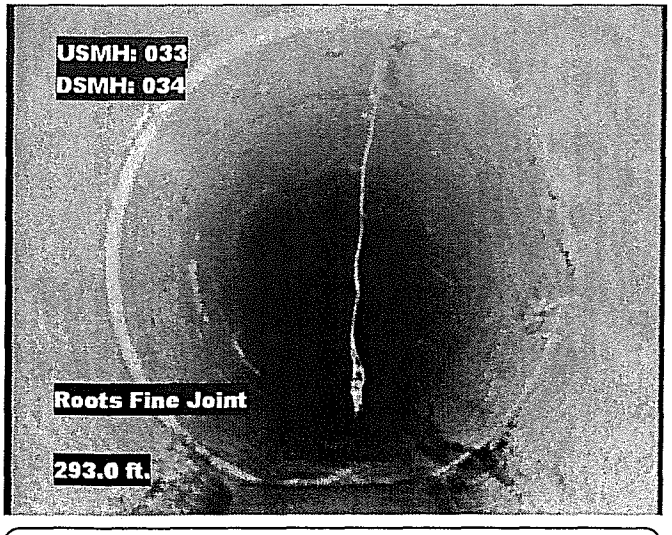
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
033_034	Hillview	Cadenza	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
033			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
034	376.3		8	8		



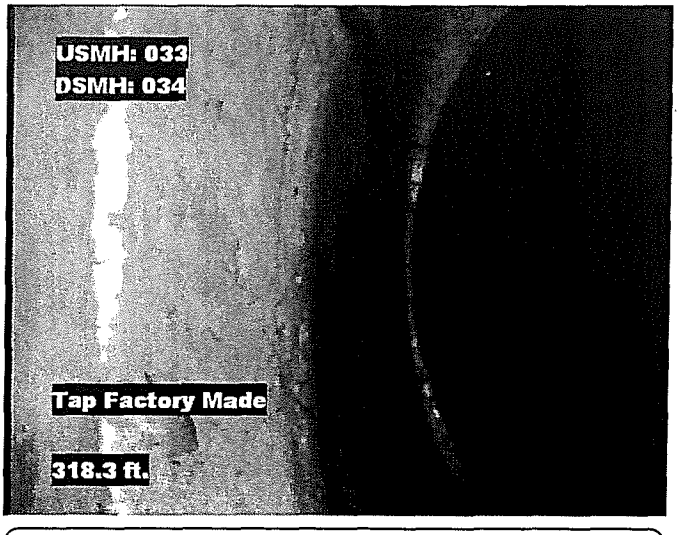
Distance: 235.1 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 257.0 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 293.0 ft. Grade: 1
Condition: Roots Fine Joint
Remarks: N/A



Distance: 318.3 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

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PIPE EYES

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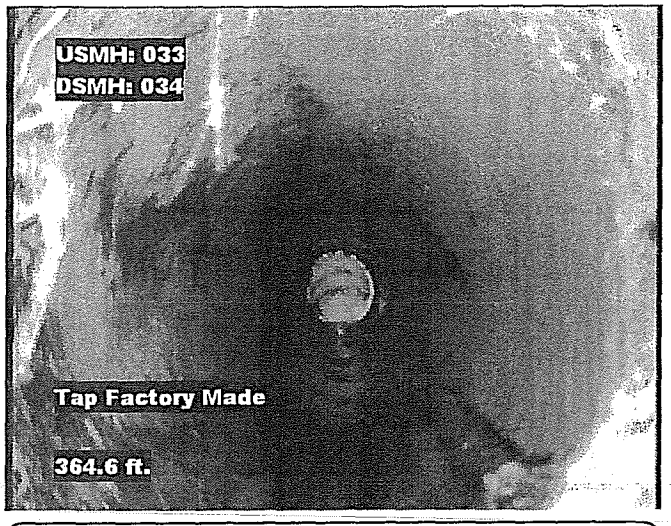
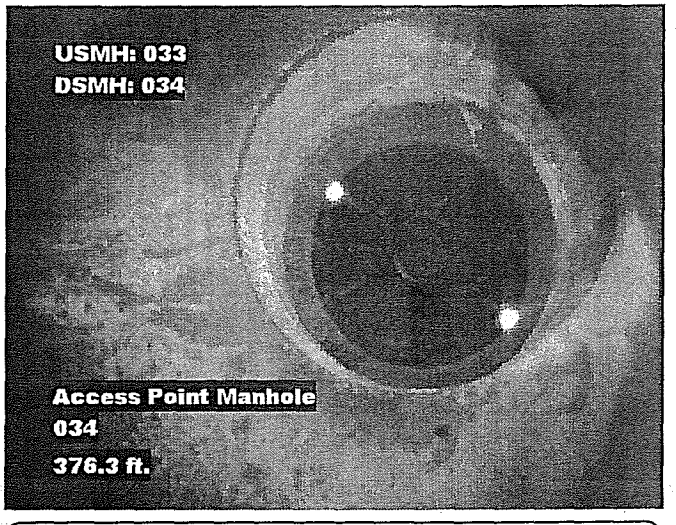
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
033_034	Hillview	Cadenza	Vitrified Clay Pipe		Light High...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
033			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
034	376.3		8	8		



Distance: 364.6 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 376.3 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 034

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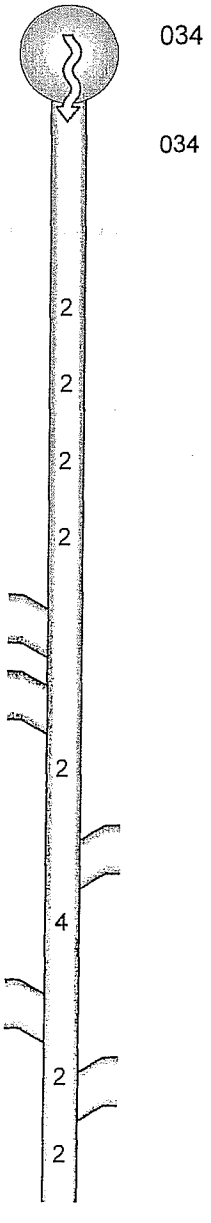
PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
034_035	Hillview	Cadenza	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
034			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
035	261.3		8	8		

SPR	2	MPR	36	PO Number	Customer: City of Hillview
SPRI	2	MPRI	2.1	Work Order	Purpose: Capital Improvement Program As...
QSR	2100	QMR	412B		

OPR	Surveyed By	Direction	Date	Media label
38	Bunch	Downstream	20130615	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
2.1		Jetting	13:58	Dry
Date Cleaned			End Time	Additional Info
20130614			14:09	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
4.4 ft.	Fracture Circumferential
4.4 ft.	Roots Fine Barrell
50.4 ft.	Water Level Sag - S01
57.9 ft.	Water Level Sag - F01
62.8 ft.	Tap Factory Made Active
118.6 ft.	Tap Factory Made
171.2 ft.	Water Level Sag - S02
188.7 ft.	Tap Factory Made
190.9 ft.	Infiltration Runner
190.9 ft.	Tap Factory Made
222.3 ft.	Tap Break-In Intruding
222.3 ft.	Water Level Sag - F02

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PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
034_035	Hillview	Cadenza	Vitrified Clay Pipe		Light High...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
034			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
035	261.3		8	8		

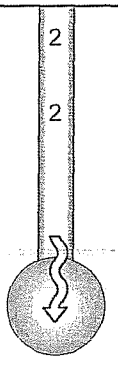
SPR	2	MPR	36	PO Number	Customer: City of Hillview
SPRI	2	MPRI	2.1	Work Order	Purpose: Capital Improvement Program As...
QSR	2100	QMR	412B		

OPR	Surveyed By	Direction	Date	Media label
38	Bunch	Downstream	20130615	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
2.1		Jetting	13:58	Dry
Date Cleaned			End Time	Additional Info
20130614			14:09	

234.4 ft. Water Level Sag - S03

246.2 ft. Water Level Sag - F03

261.3 ft. Access Point Manhole



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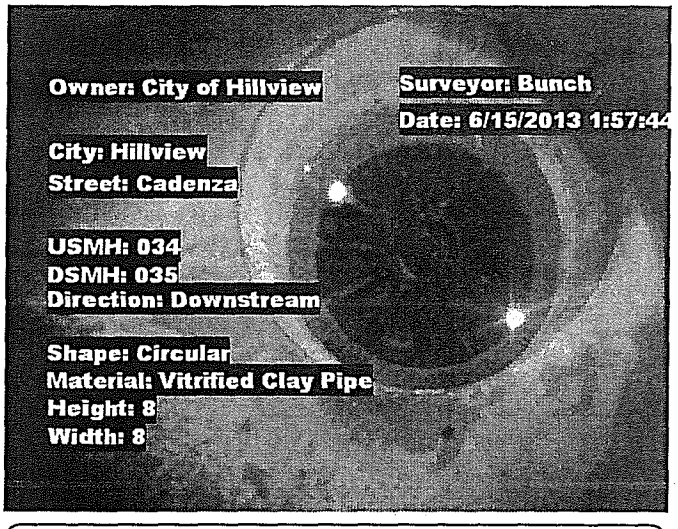
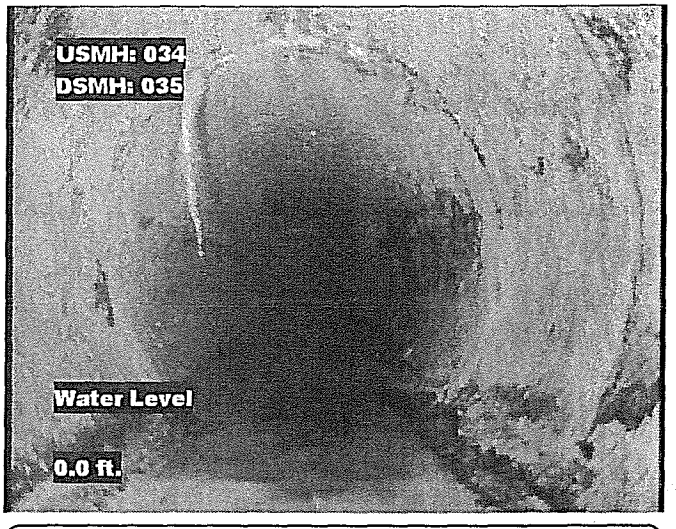
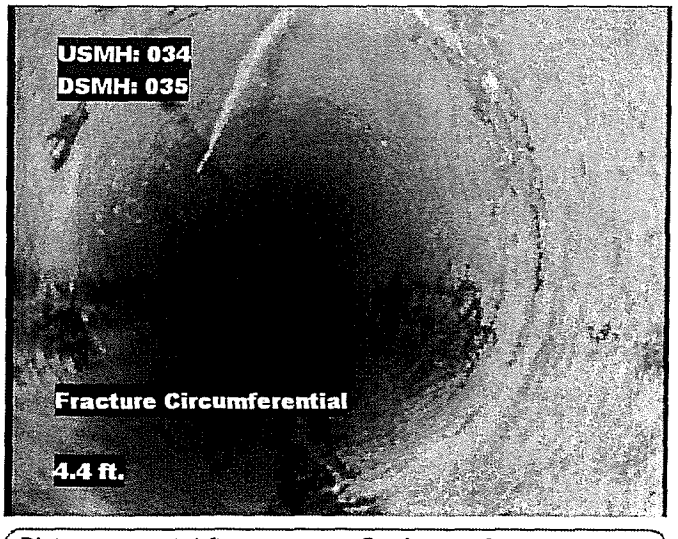
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
034_035	Hillview	Cadenza	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
034			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
035	261.3		8	8		



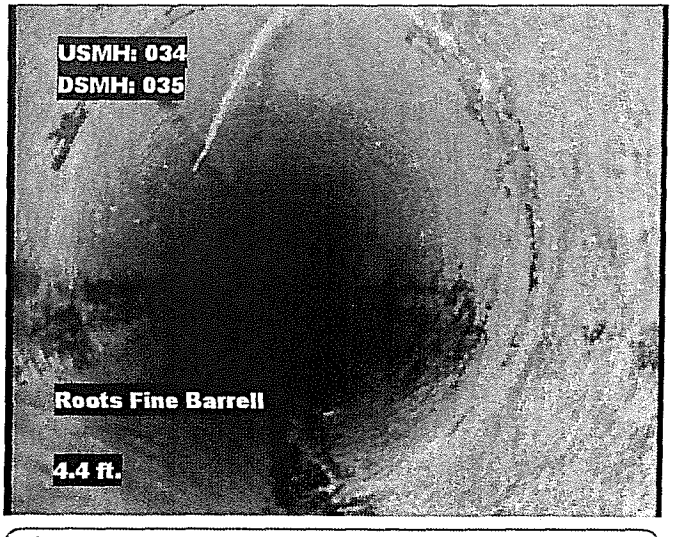
Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	034		



Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	4.4 ft.	Grade:	2
Condition:	Fracture Circumferential		
Remarks:	N/A		



Distance:	4.4 ft.	Grade:	2
Condition:	Roots Fine Barrell		
Remarks:	N/A		

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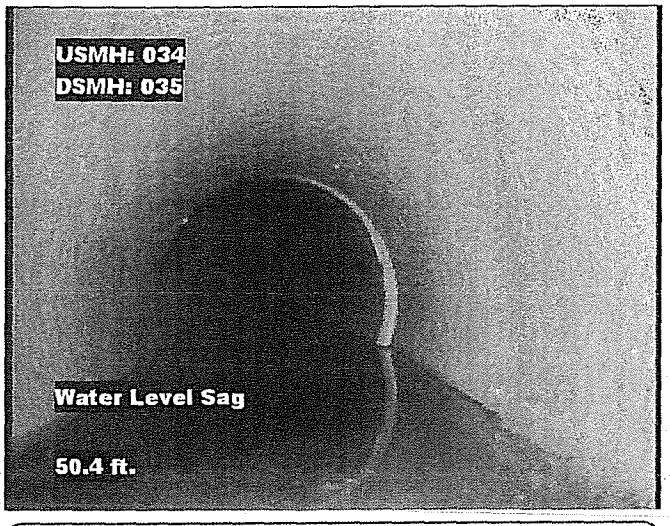
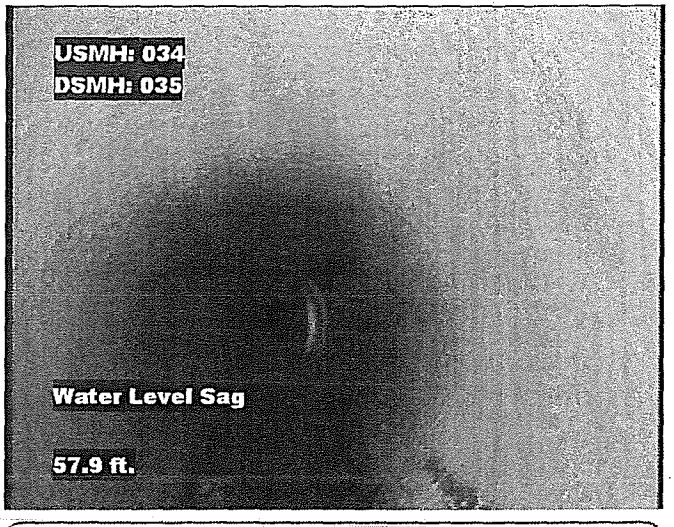
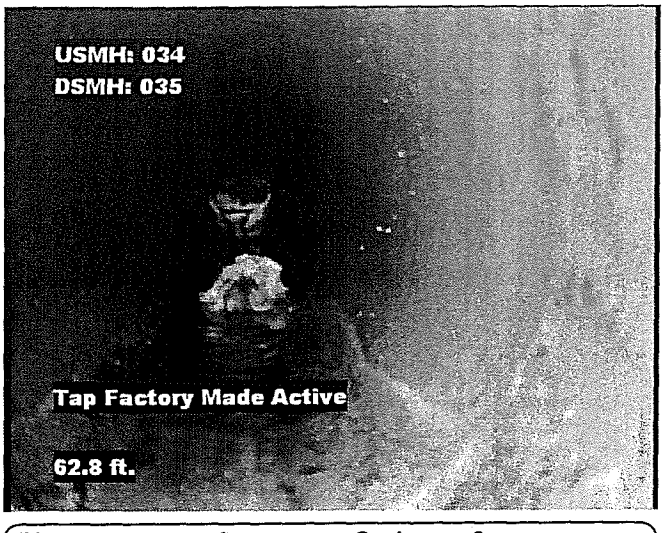
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
034_035	Hillview	Cadenza	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
034			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
035	261.3		8	8		



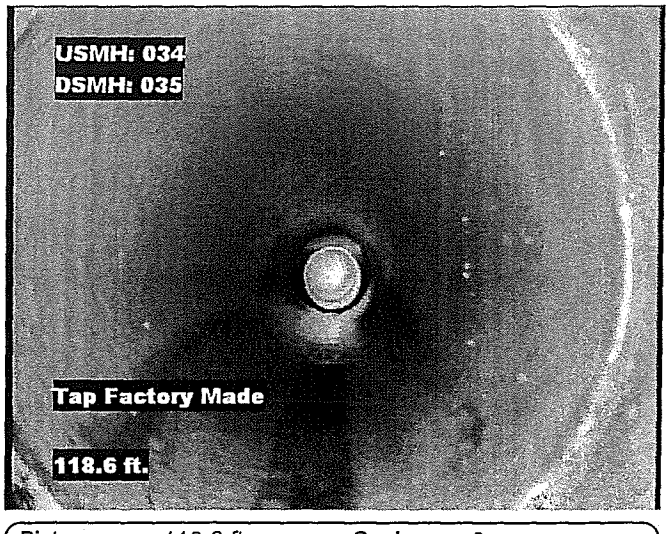
Distance: 50.4 ft. **Grade:** 2
Condition: Water Level Sag
Remarks: N/A



Distance: 57.9 ft. **Grade:** 2
Condition: Water Level Sag
Remarks: N/A



Distance: 62.8 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 118.6 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A

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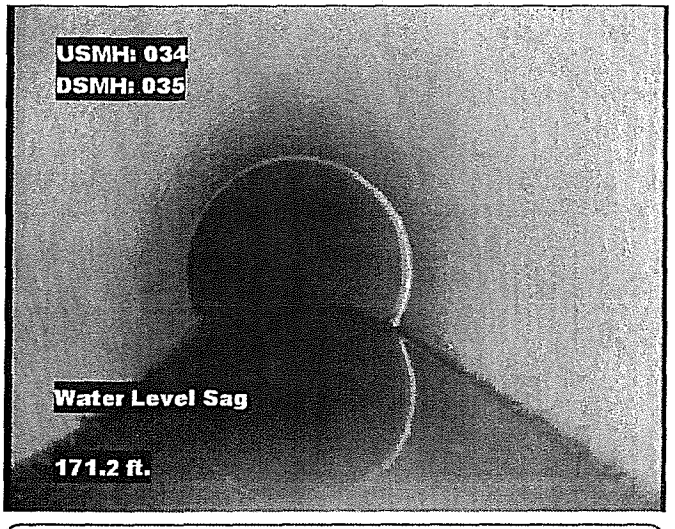
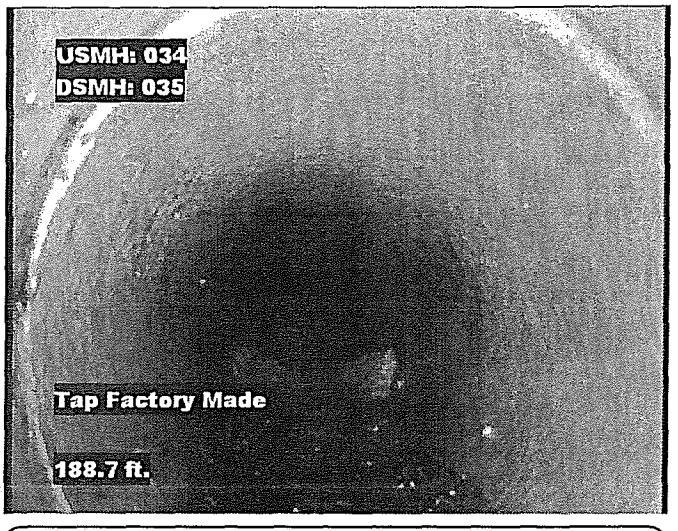
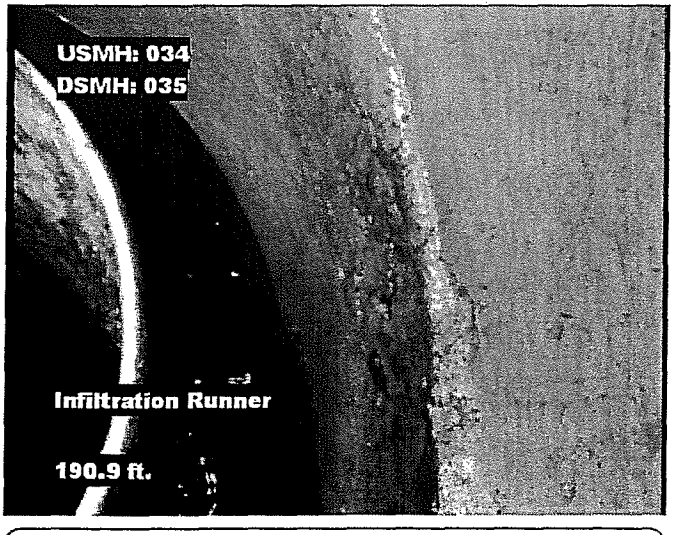
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
034_035	Hillview	Cadenza	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
034			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
035	261.3		8	8		



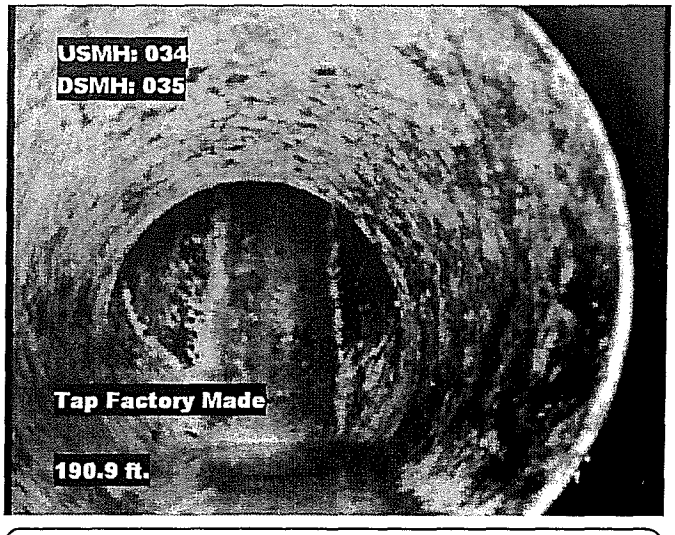
Distance: 171.2 ft. **Grade:** 2
Condition: Water Level Sag
Remarks: N/A



Distance: 188.7 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 190.9 ft. **Grade:** 4
Condition: Infiltration Runner
Remarks: N/A



Distance: 190.9 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A

Pipe Eyes
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PIPE EYES

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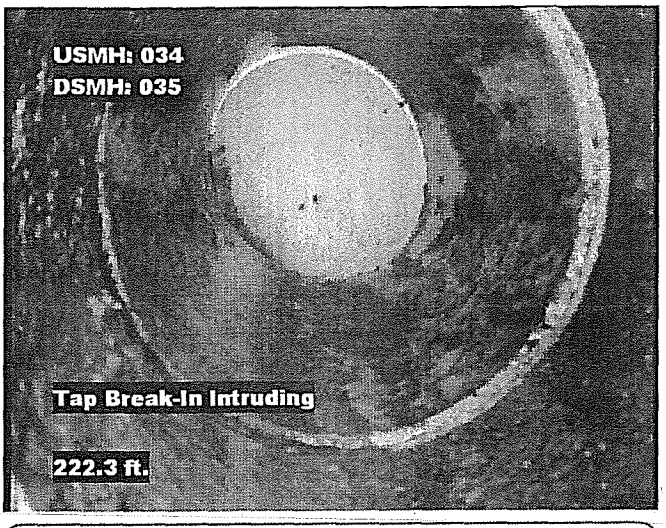
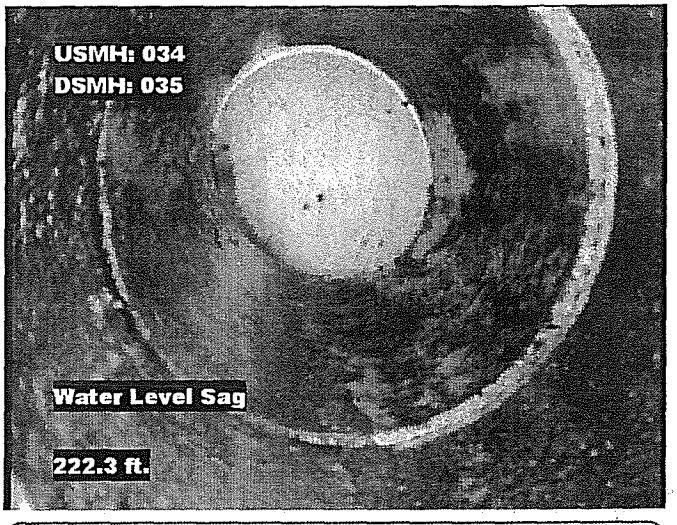
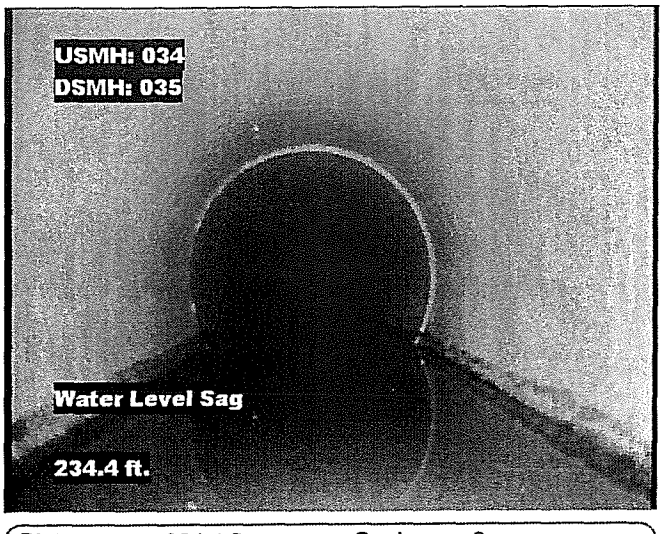
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
034_035	Hillview	Cadenza	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
034			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
035	261.3		8	8		



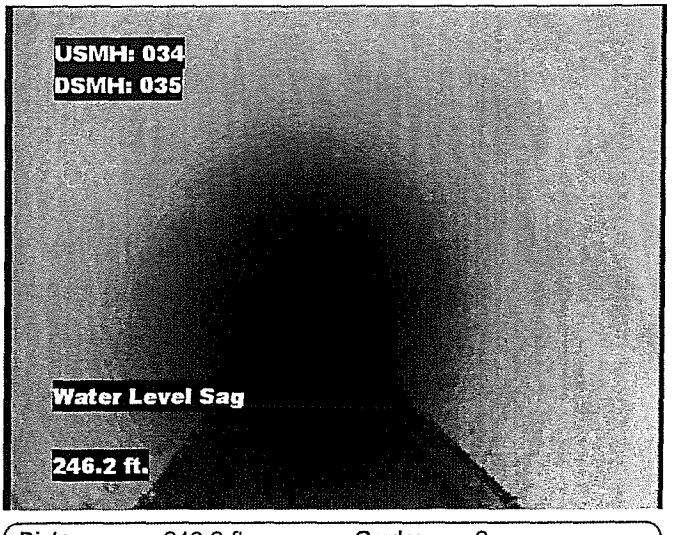
Distance: 222.3 ft. **Grade:** 2
Condition: Tap Break-In Intruding
Remarks: N/A



Distance: 222.3 ft. **Grade:** 2
Condition: Water Level Sag
Remarks: N/A



Distance: 234.4 ft. **Grade:** 2
Condition: Water Level Sag
Remarks: N/A



Distance: 246.2 ft. **Grade:** 2
Condition: Water Level Sag
Remarks: N/A

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PIPE EYES

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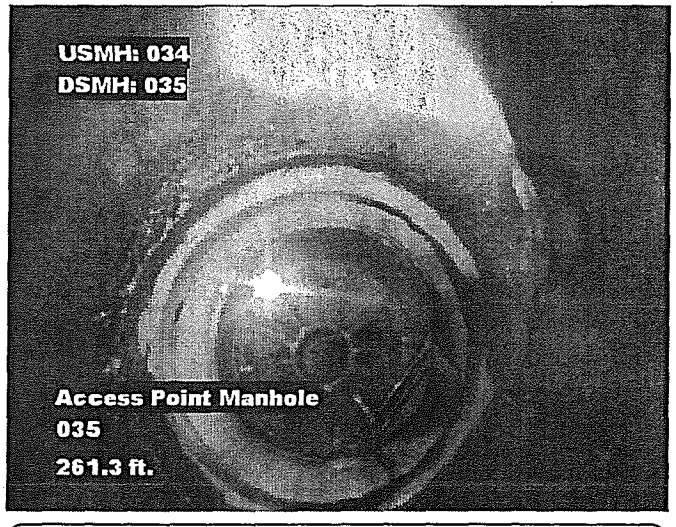
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
034_035	Hillview	Cadenza	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
034			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
035	261.3		8	8		



Distance: 261.3 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 035

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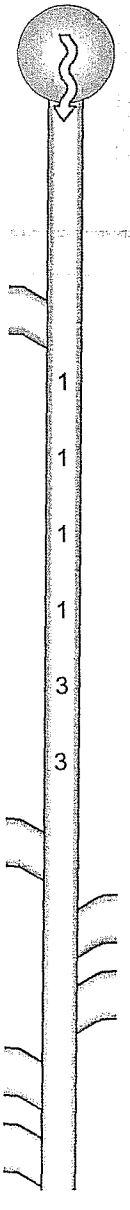
PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
036_037	Hillview	Fawn Ct	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
036			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
037	270.6		8	8		

SPR	3	MPR	21	PO Number	Customer: City of Hillview
SPRI	3	MPRI	1.8	Work Order	Purpose: Capital Improvement Program As...
QSR	3100	QMR	3127		

OPR	Surveyed By	Direction	Date	Media label
24	Bunch	Downstream	20130617	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
1.8		Jetting	07:03	Dry
Date Cleaned			End Time	Additional Info
20130614			07:24	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
31.9 ft.	Tap Factory Made
31.9 ft.	Roots Fine Connection
35.9 ft.	Roots Fine Joint
35.9 ft.	Roots Fine Joint
40.8 ft.	Roots Fine Joint
41.4 ft.	Roots Medium Joint
86.9 ft.	Fracture Longitudinal
92.5 ft.	Tap Factory Made
95.0 ft.	Tap Factory Made
156.1 ft.	Tap Factory Made
158.1 ft.	Tap Factory Made
209.9 ft.	Tap Factory Made

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PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
036_037	Hillview	Fawn Ct	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
036			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
037	270.6		8	8		

SPR	3	MPR	21	PO Number	Customer: City of Hillview
SPRI	3	MPRI	1.8	Work Order	Purpose: Capital Improvement Program As...
QSR	3100	QMR	3127		

OPR	Surveyed By	Direction	Date	Media label
24	Bunch	Downstream	20130617	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
1.8		Jetting	07:03	Dry
Date Cleaned			End Time	Additional Info
20130614			07:24	

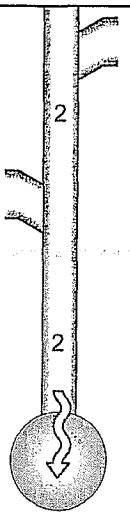
211.5 ft. Tap Factory Made Capped

235.4 ft. Water Level Sag - S01

263.1 ft. Tap Factory Made

270.6 ft. Access Point Manhole

270.6 ft. Water Level Sag - F01



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PIPE EYES

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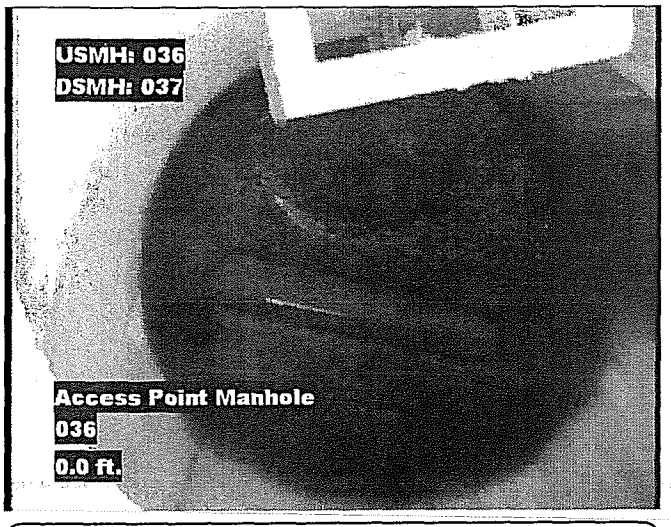
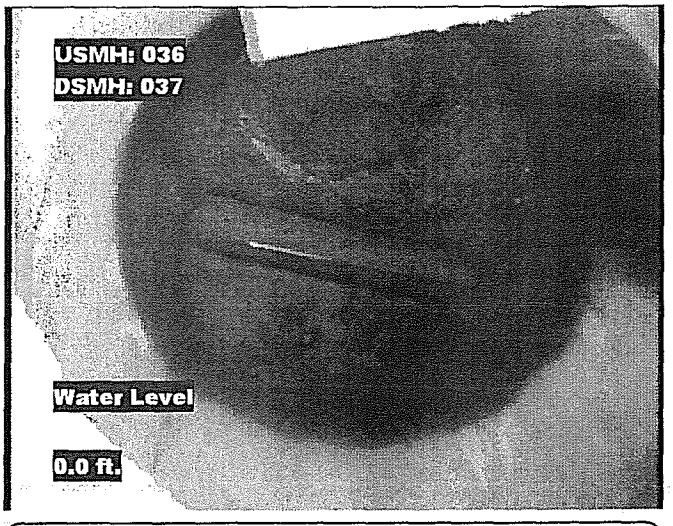
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
036_037	Hillview	Fawn Ct	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
036			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
037	270.6		8	8		

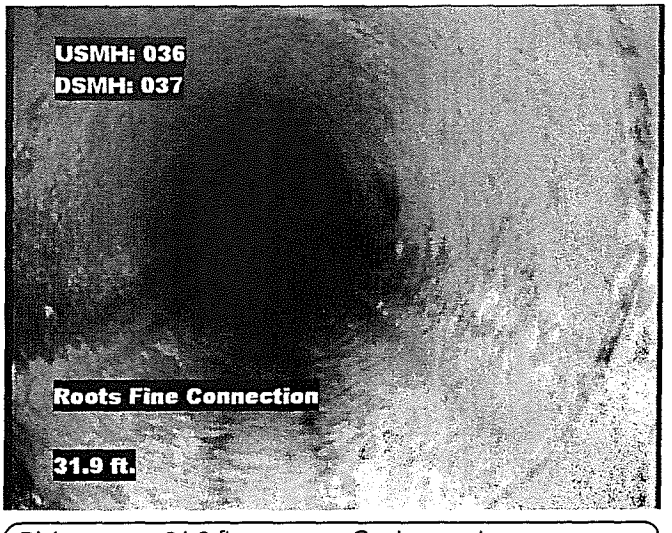


Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: 036



Distance: 0.0 ft. Grade: 0
Condition: Water Level
Remarks: N/A

Distance: 31.9 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 31.9 ft. Grade: 1
Condition: Roots Fine Connection
Remarks: N/A

PIPE EYES

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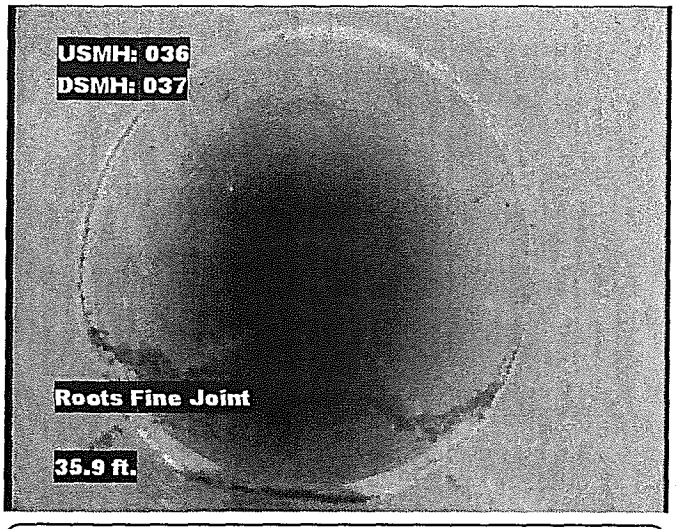
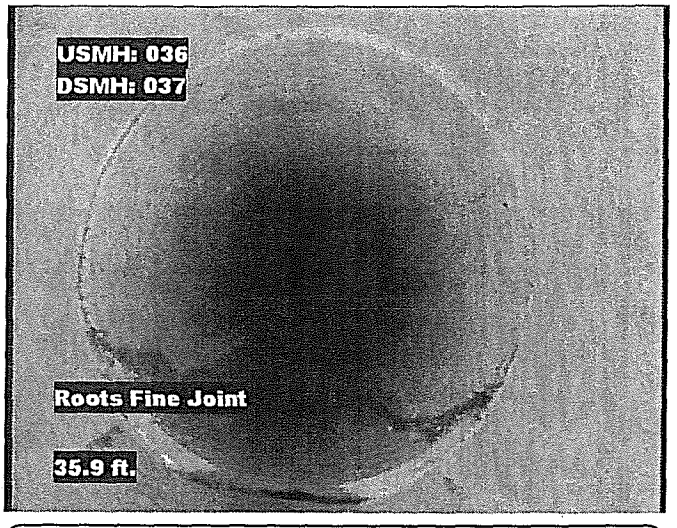
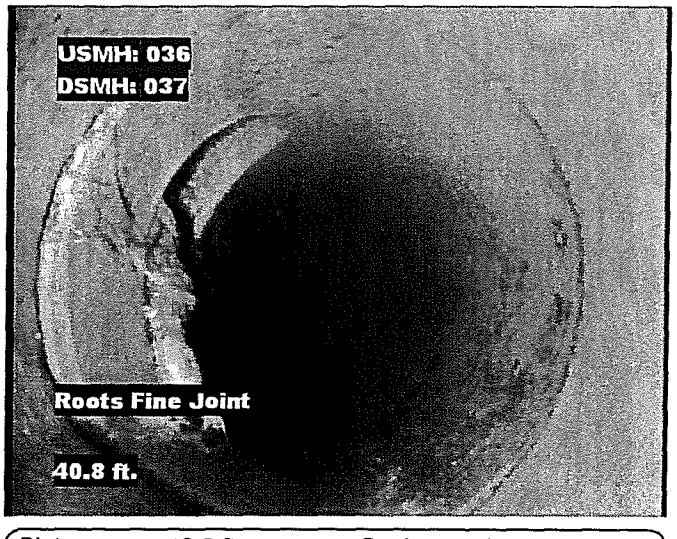
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
036_037	Hillview	Fawn Ct	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
036			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
037	270.6		8	8		



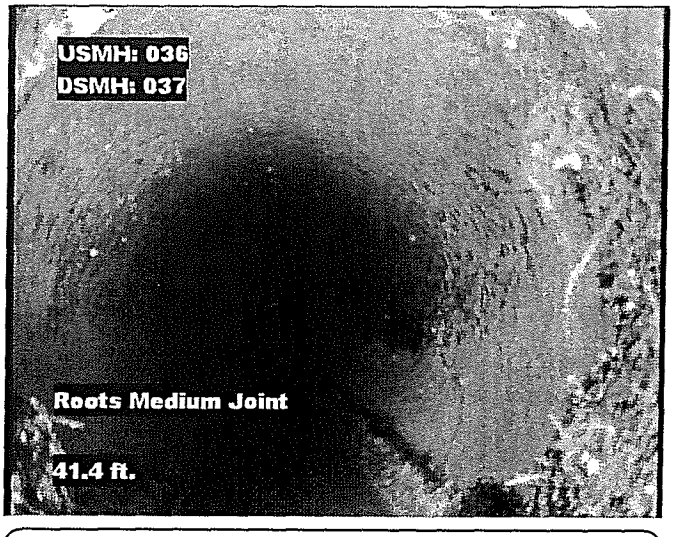
Distance: 35.9 ft. Grade: 1
Condition: Roots Fine Joint
Remarks: N/A



Distance: 35.9 ft. Grade: 1
Condition: Roots Fine Joint
Remarks: N/A



Distance: 40.8 ft. Grade: 1
Condition: Roots Fine Joint
Remarks: N/A



Distance: 41.4 ft. Grade: 3
Condition: Roots Medium Joint
Remarks: N/A

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PIPE EYES

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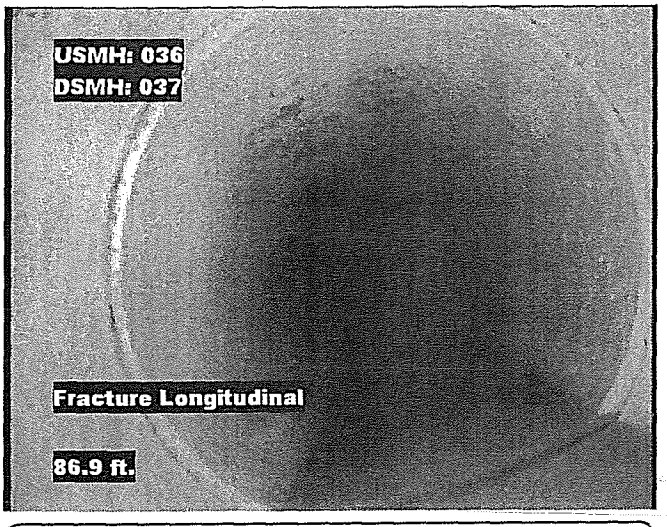
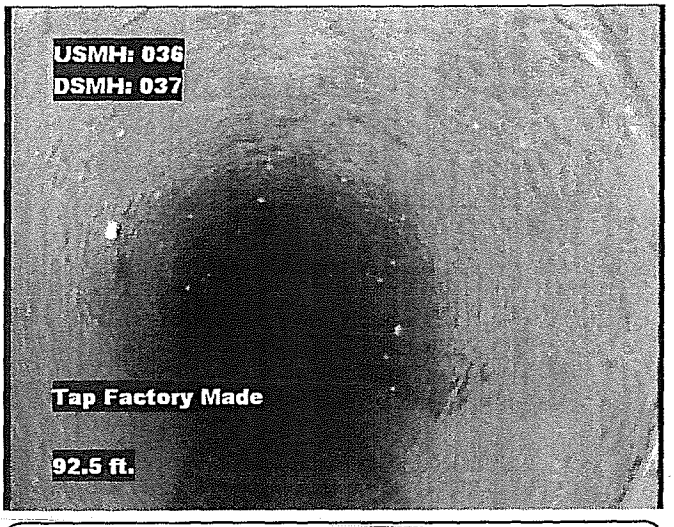
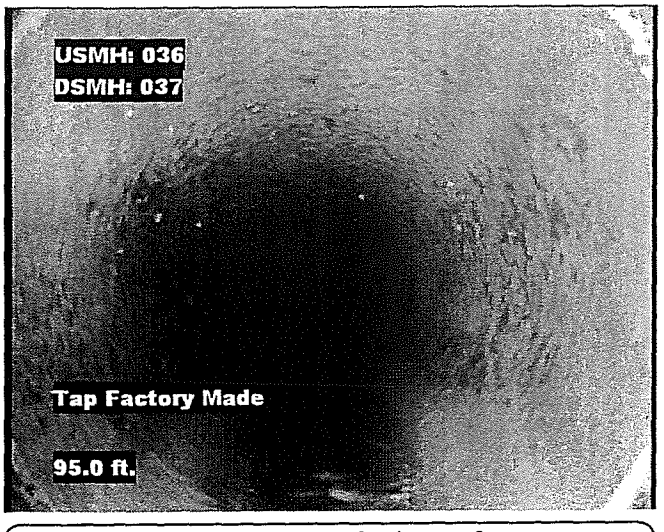
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
036_037	Hillview	Fawn Ct	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
036			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
037	270.6		8	8		



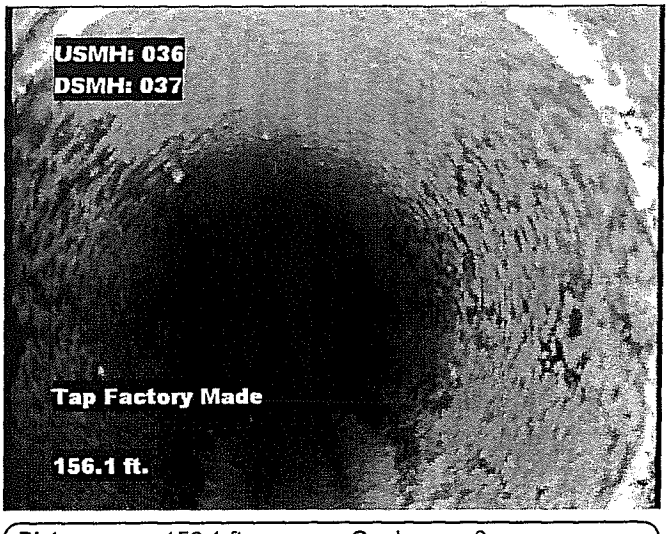
Distance: 86.9 ft. Grade: 3
Condition: Fracture Longitudinal
Remarks: N/A



Distance: 92.5 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 95.0 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 156.1 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

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PIPE EYES

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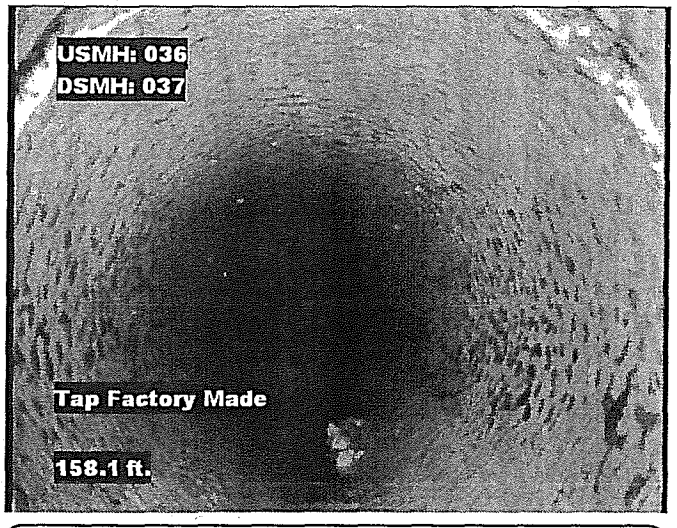
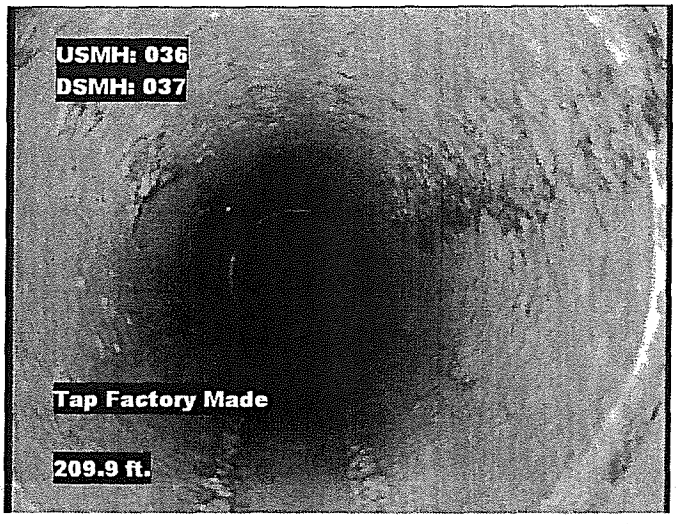
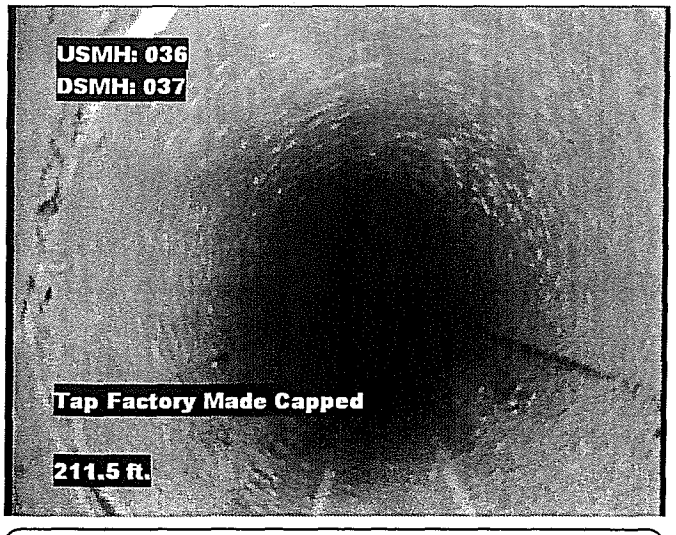
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
036_037	Hillview	Fawn Ct	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
036			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
037	270.6		8	8		



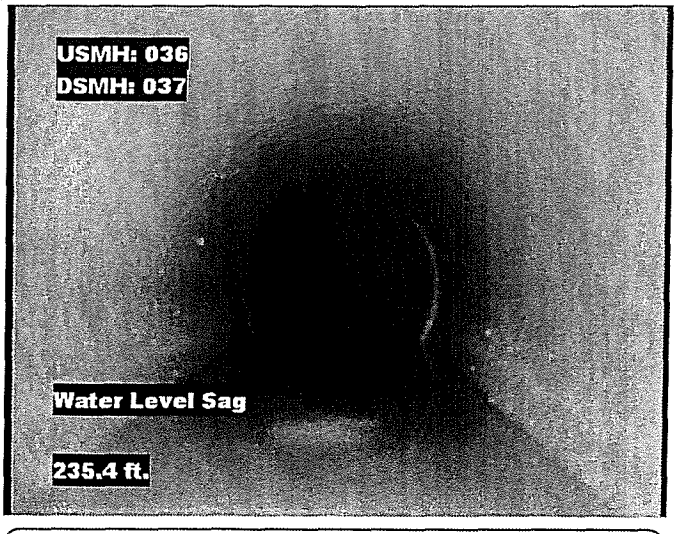
Distance:	158.1 ft.	**Grade:**	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	209.9 ft.	**Grade:**	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	211.5 ft.	**Grade:**	0
Condition:	Tap Factory Made Capped		
Remarks:	N/A		



Distance:	235.4 ft.	**Grade:**	2
Condition:	Water Level Sag		
Remarks:	N/A		

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PIPE EYES

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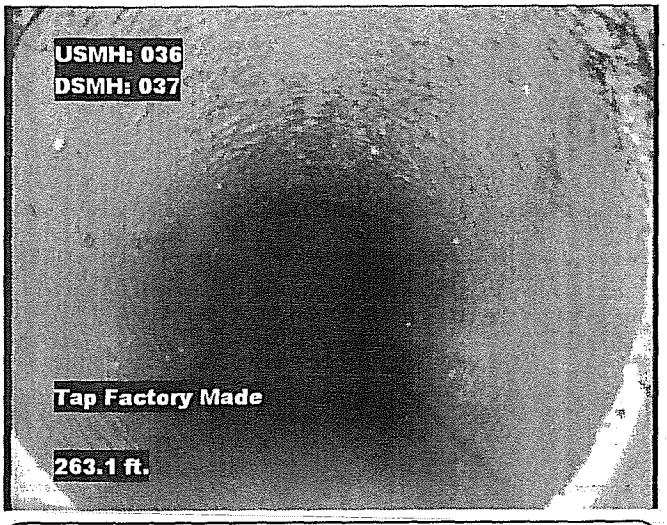
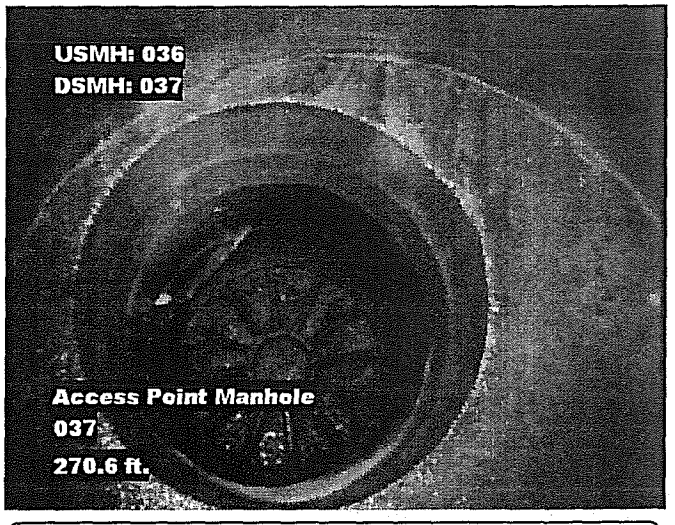
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
036_037	Hillview	Fawn Ct	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
036			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
037	270.6		8	8		



Distance: 263.1 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 270.6 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 037

Distance: 270.6 ft. **Grade:** 2
Condition: Water Level Sag
Remarks: N/A

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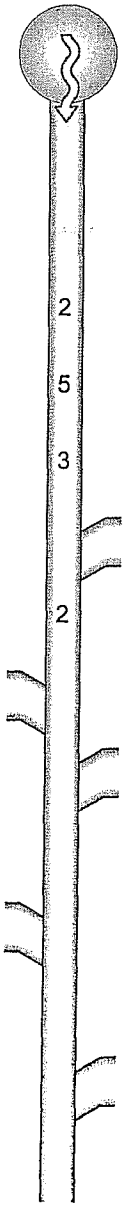
PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
037_034	Hillview	Fawn Ct	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
037			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
034	161		8	8		

SPR	5	MPR	49	PO Number	Customer: City of Hillview
SPRI	2.5	MPRI	2.1	Work Order	Purpose: Capital Improvement Program As...
QSR	3121	QMR	512C		

OPR	Surveyed By	Direction	Date	Media label
54	Bunch	Downstream	20130617	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
2.2		Jetting	07:27	Dry
Date Cleaned			End Time	Additional Info
20130614			07:40	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
6.0 ft.	Fracture Circumferential
6.0 ft.	Infiltration Gusher
6.0 ft.	Fracture Longitudinal
21.3 ft.	Tap Factory Made
50.7 ft.	Water Level Sag - S01
73.1 ft.	Tap Factory Made
75.2 ft.	Tap Factory Made Capped
110.3 ft.	Material Change
112.8 ft.	Tap Factory Made
113.3 ft.	Material Change
115.2 ft.	Tap Break-In
161.0 ft.	Access Point Manhole

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PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
037_034	Hillview	Fawn Ct	Vitrified Clay Pipe	Light High...	Sanitary

Upstream MH	Total Length	Year Laid	Shape	Location Details
037			Circular	

DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
034	161		8	8	

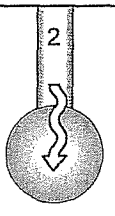
SPR 5	MPR 49	PO Number	Customer: City of Hillview
SPRI 2.5	MPRI 2.1	Work Order	Purpose: Capital Improvement Program As...
QSR 3121	QMR 512C		

OPR	Surveyed By	Direction	Date	Media label
54	Bunch	Downstream	20130617	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather
2.2		Jetting	07:27	Dry

Date Cleaned	End Time	Additional Info
20130614	07:40	

161.0 ft. Water Level Sag - F01



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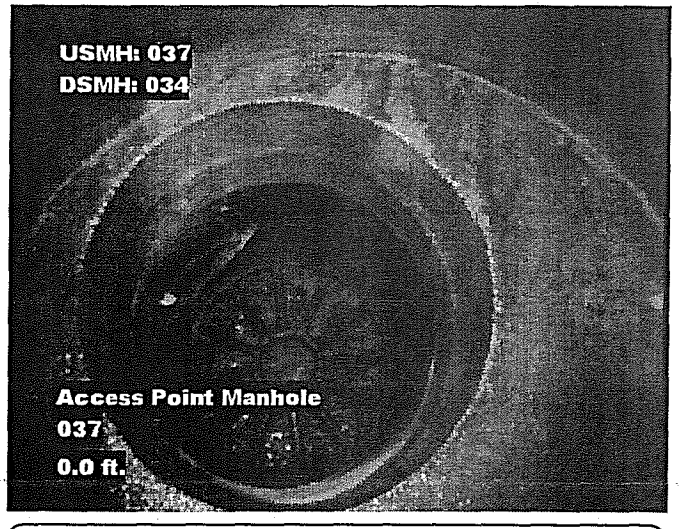
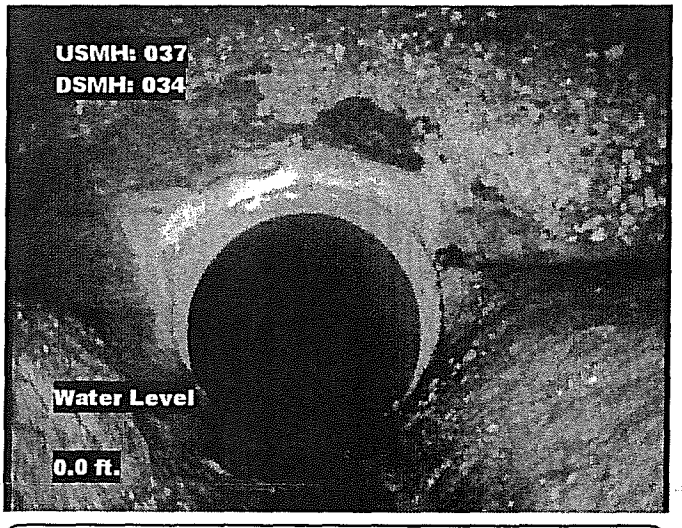
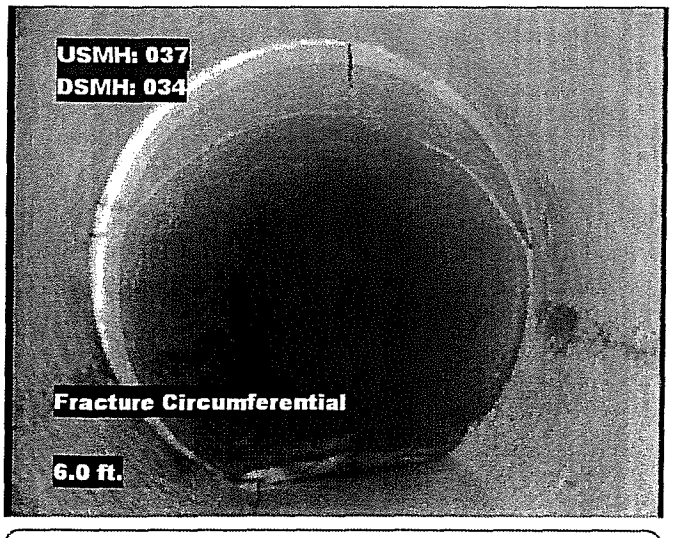
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
037_034	Hillview	Fawn Ct	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
037			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
034	161		8	8		



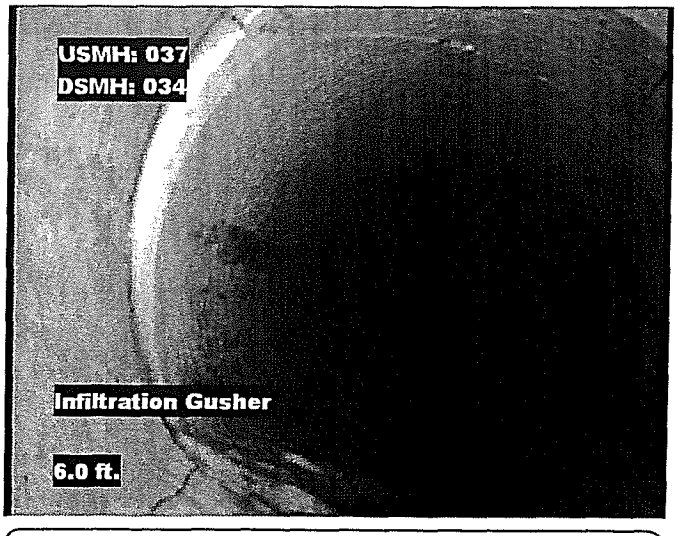
Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	037		



Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	6.0 ft.	Grade:	2
Condition:	Fracture Circumferential		
Remarks:	N/A		



Distance:	6.0 ft.	Grade:	5
Condition:	Infiltration Gusher		
Remarks:	N/A		

PIPE EYES

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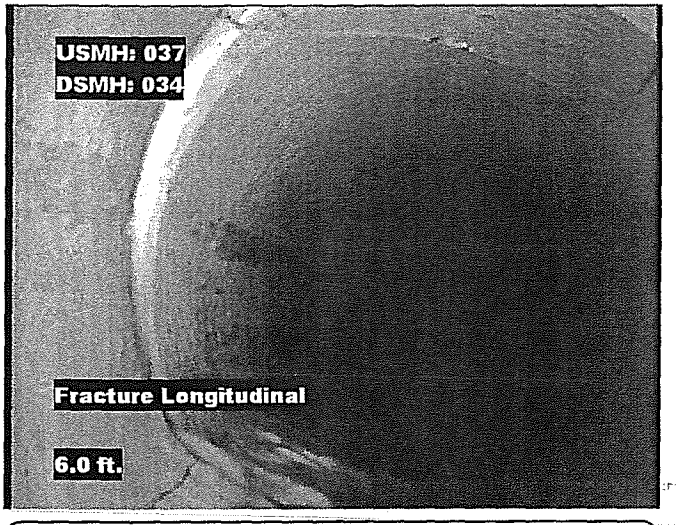
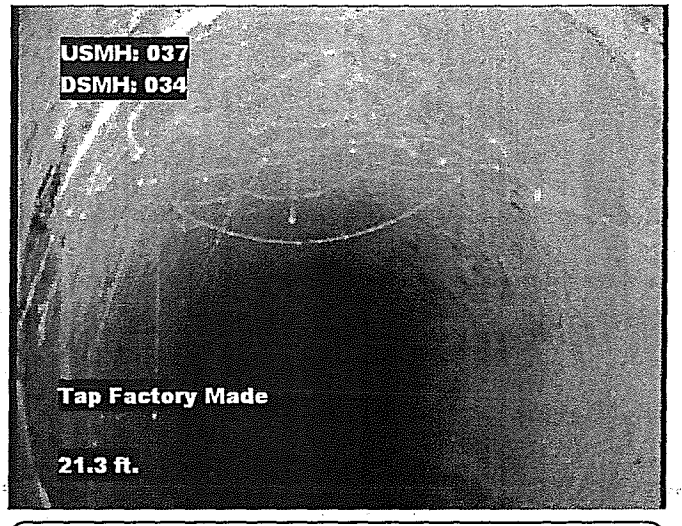
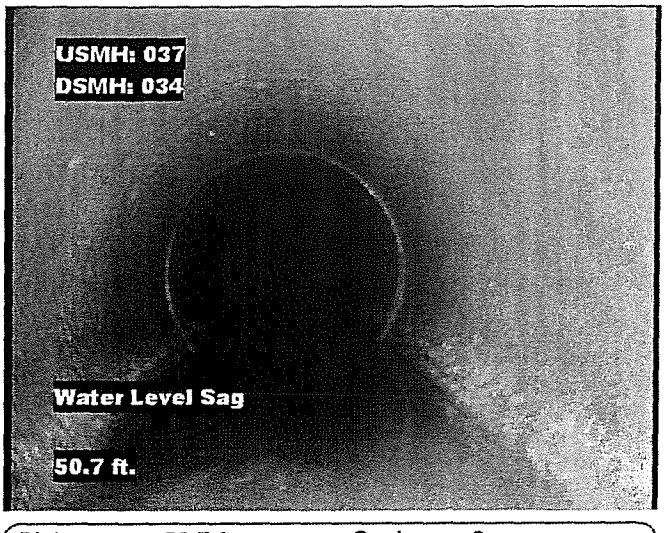
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
037_034	Hillview	Fawn Ct	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
037			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
034	161		8	8		



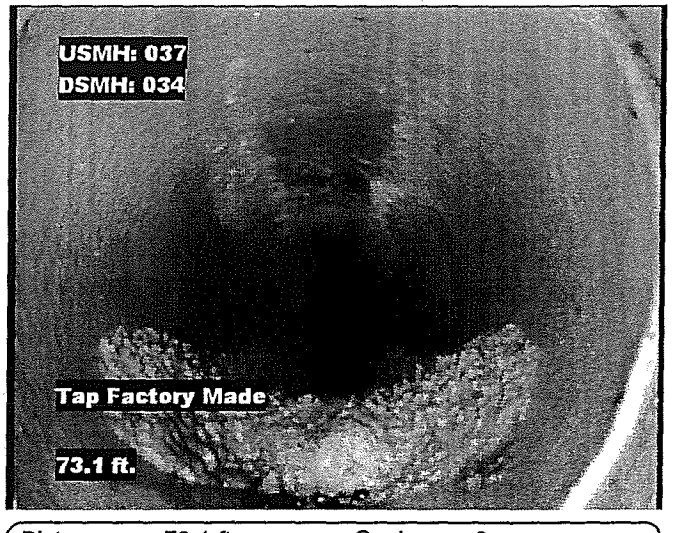
Distance: 6.0 ft. **Grade:** 3
Condition: Fracture Longitudinal
Remarks: N/A



Distance: 21.3 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 50.7 ft. **Grade:** 2
Condition: Water Level Sag
Remarks: N/A



Distance: 73.1 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A

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PIPE EYES

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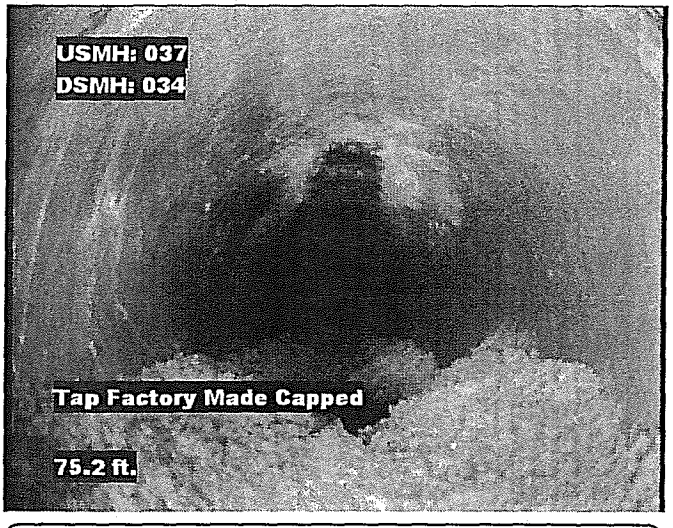
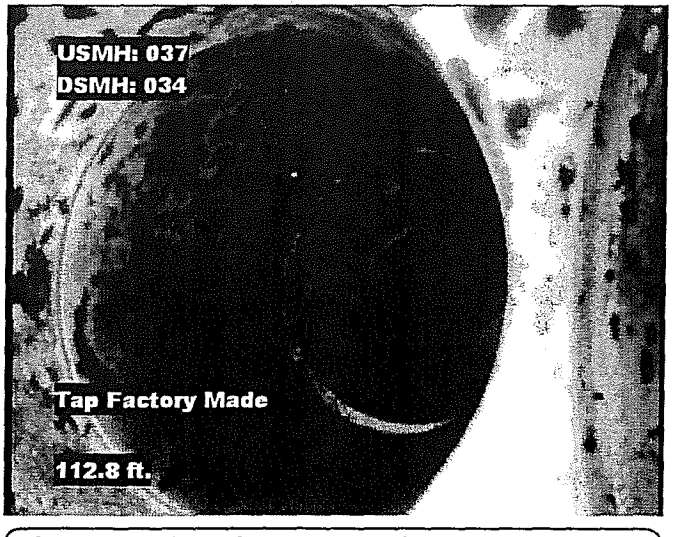
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
037_034	Hillview	Fawn Ct	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
037			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
034	161		8	8		

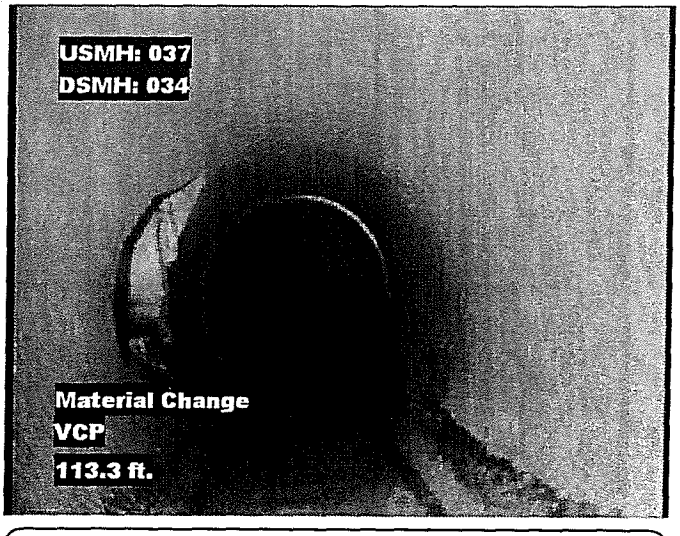


Distance: 75.2 ft. **Grade:** 0
Condition: Tap Factory Made Capped
Remarks: N/A

Distance: 110.3 ft. **Grade:** 0
Condition: Material Change
Remarks: PVC



Distance: 112.8 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 113.3 ft. **Grade:** 0
Condition: Material Change
Remarks: VCP

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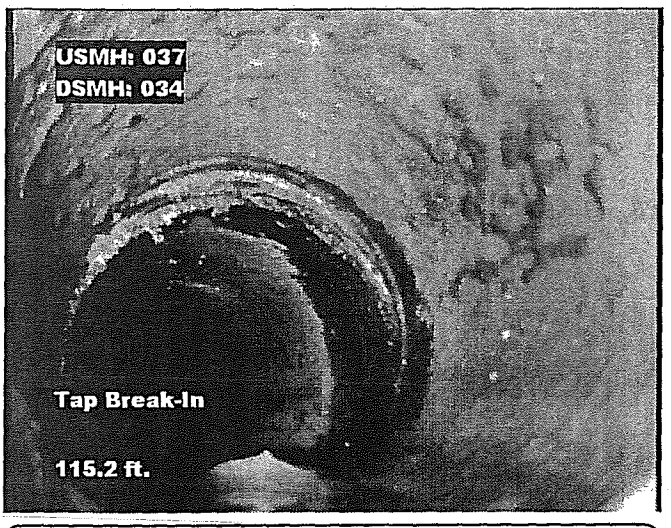
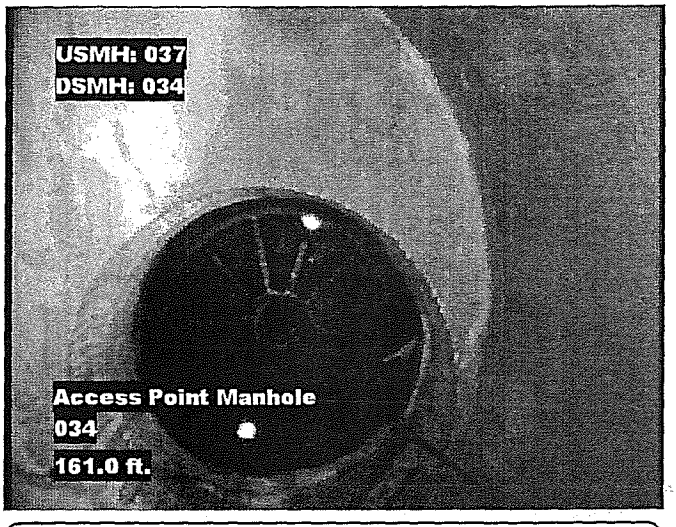
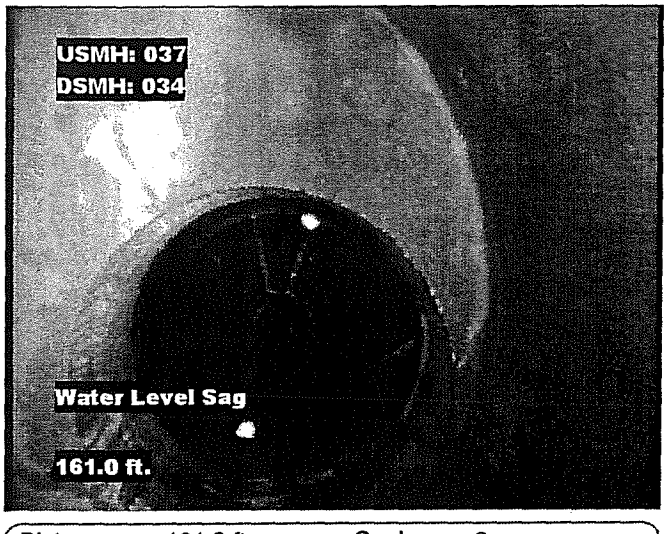
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
037_034	Hillview	Fawn Ct	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
037			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
034	161		8	8		



Distance: 115.2 ft. Grade: 0
Condition: Tap Break-In
Remarks: N/A



Distance: 161.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: 034



Distance: 161.0 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A

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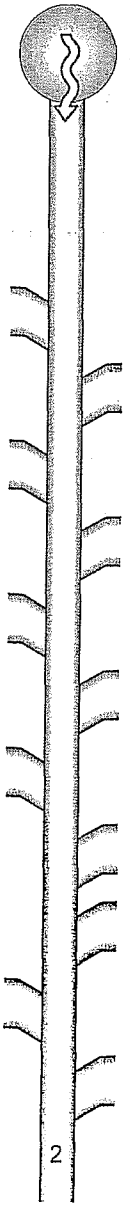
PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
038_039	Hillview	Bigwood Way	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
038			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
039	385.3		8	8		

SPR	2	MPR	N/A	PO Number	Customer: City of Hillview
SPRI	2	MPRI	N/A	Work Order	Purpose: Capital Improvement Program As...
QSR	2100	QMR	N/A		

OPR	Surveyed By	Direction	Date	Media label
2	Bunch	Downstream	20130617	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
2		Jetting	07:57	Dry
Date Cleaned			End Time	Additional Info
20130617			08:18	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
35.6 ft.	Tap Factory Made
37.8 ft.	Tap Factory Made
88.9 ft.	Tap Factory Made
91.1 ft.	Tap Factory Made
154.4 ft.	Tap Factory Made Active
156.4 ft.	Tap Factory Made Active
213.1 ft.	Tap Factory Made
214.7 ft.	Tap Factory Made
276.0 ft.	Tap Factory Made Active
297.8 ft.	Tap Factory Made Active
331.3 ft.	Tap Factory Made
382.1 ft.	Crack Longitudinal

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PIPE EYES

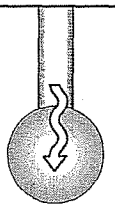
Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
038_039	Hillview	Bigwood Way	Vitrified Clay Pipe		Light High...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
038			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
039	385.3		8	8		

SPR	2	MPR	N/A	PO Number	Customer: City of Hillview
SPRI	2	MPRI	N/A	Work Order	Purpose: Capital Improvement Program As...
QSR	2100	QMR	N/A		

OPR	Surveyed By	Direction	Date	Media label
2	Bunch	Downstream	20130617	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
2		Jetting	07:57	Dry
Date Cleaned			End Time	Additional Info
20130617			08:18	

385.3 ft. Access Point Manhole



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PIPE EYES

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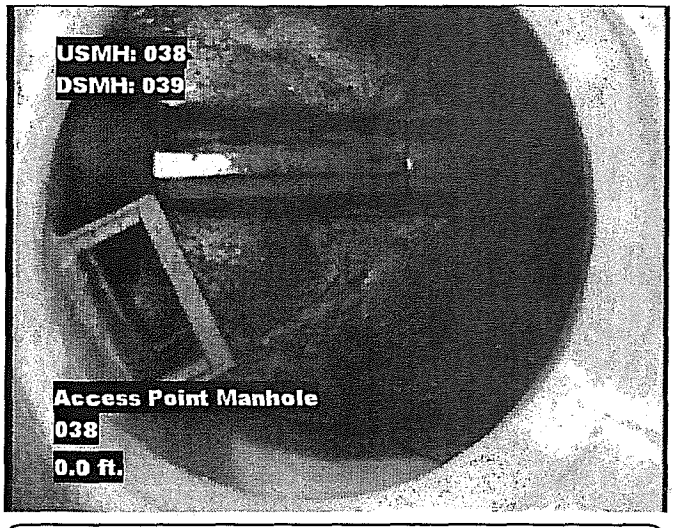
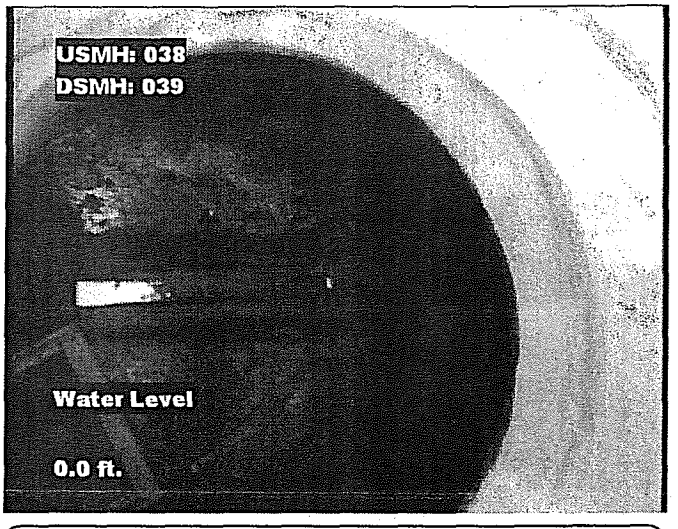
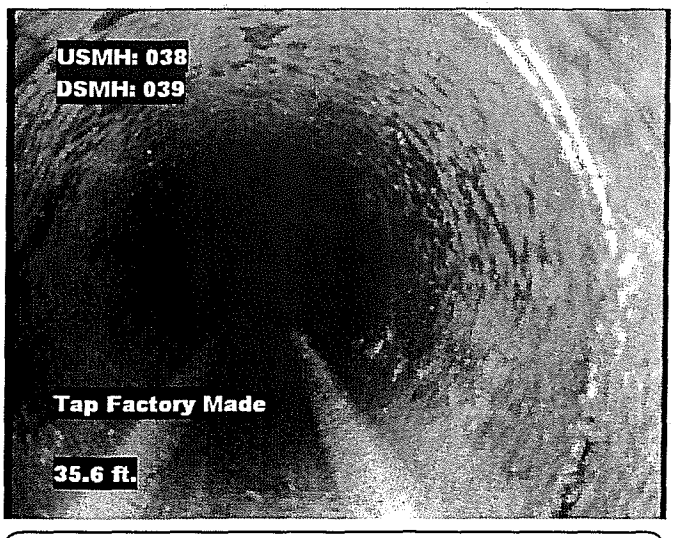
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
038_039	Hillview	Bigwood Way	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
038			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
039	385.3		8	8		



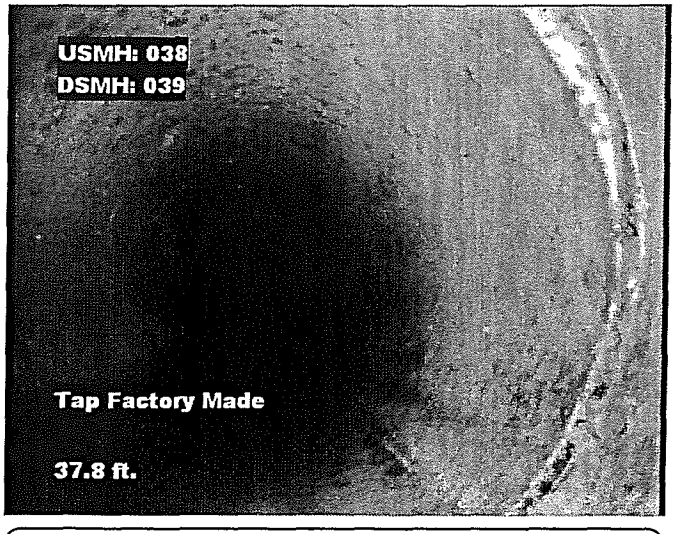
Distance:	0.0 ft.	**Grade:**	0
Condition:	Access Point Manhole		
Remarks:	038		



Distance:	0.0 ft.	**Grade:**	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	35.6 ft.	**Grade:**	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	37.8 ft.	**Grade:**	0
Condition:	Tap Factory Made		
Remarks:	N/A		

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PIPE EYES

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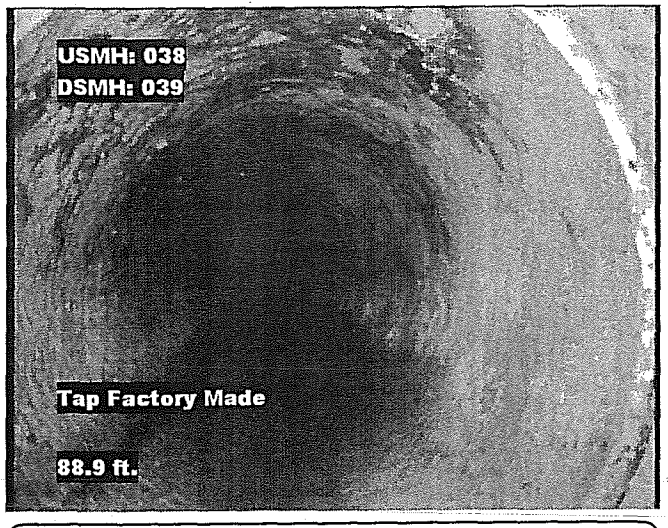
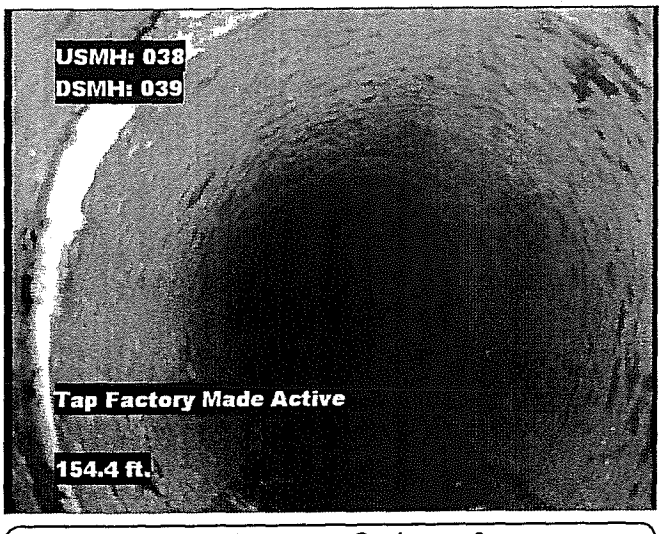
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
038_039	Hillview	Bigwood Way	Vitrified Clay Pipe		Light High...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
038			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
039	385.3		8	8		

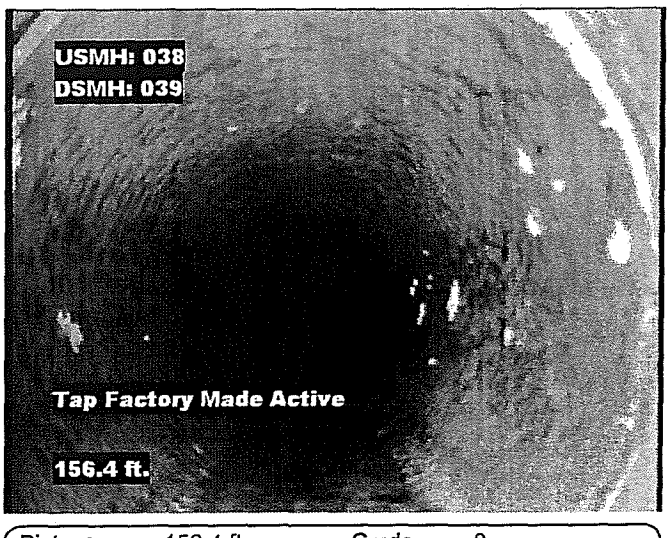


Distance: 88.9 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A

Distance: 91.1 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 154.4 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 156.4 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A

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PIPE EYES

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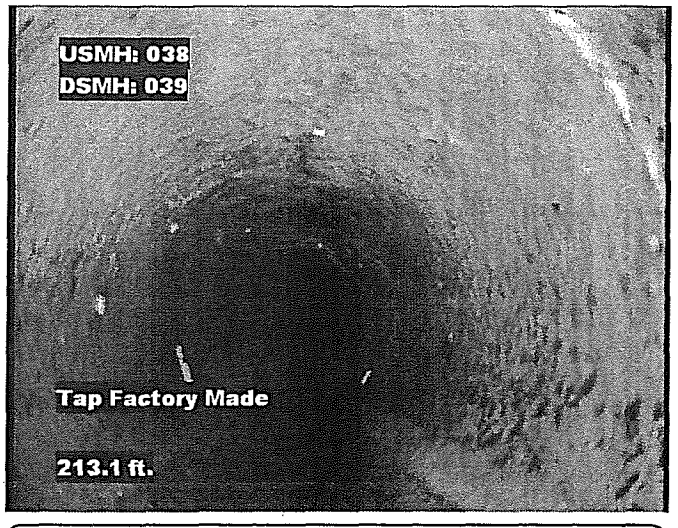
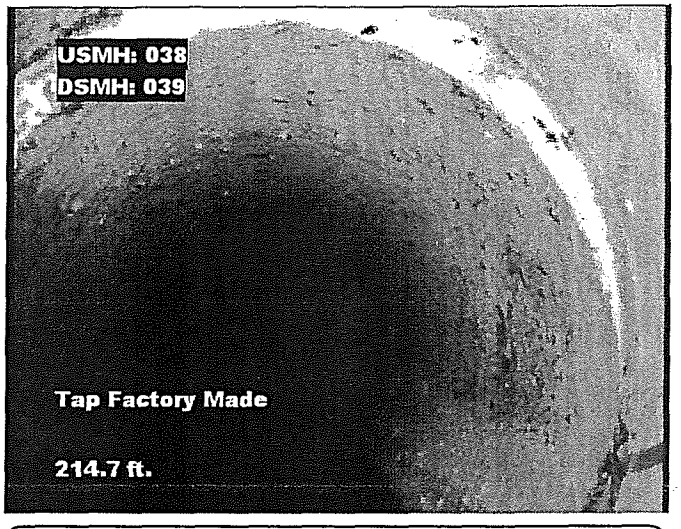
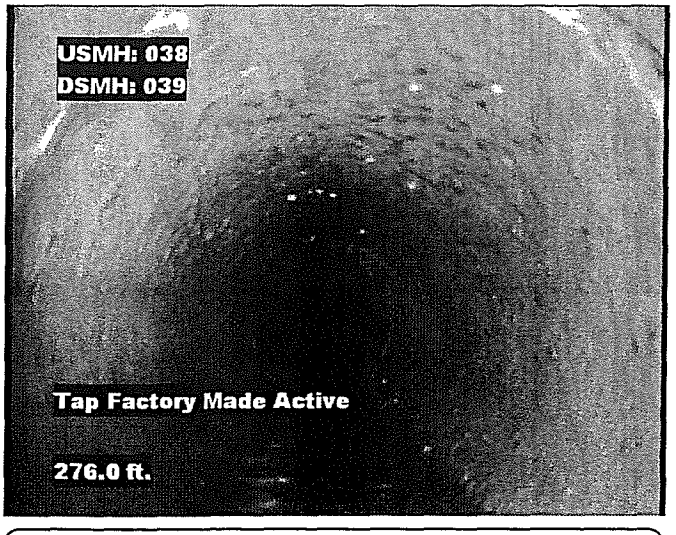
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
038_039	Hillview	Bigwood Way	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
038			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
039	385.3		8	8		



Distance:	213.1 ft.	**Grade:**	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	214.7 ft.	**Grade:**	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	276.0 ft.	**Grade:**	0
Condition:	Tap Factory Made Active		
Remarks:	N/A		

Distance:	297.8 ft.	**Grade:**	0
Condition:	Tap Factory Made Active		
Remarks:	N/A		

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PIPE EYES

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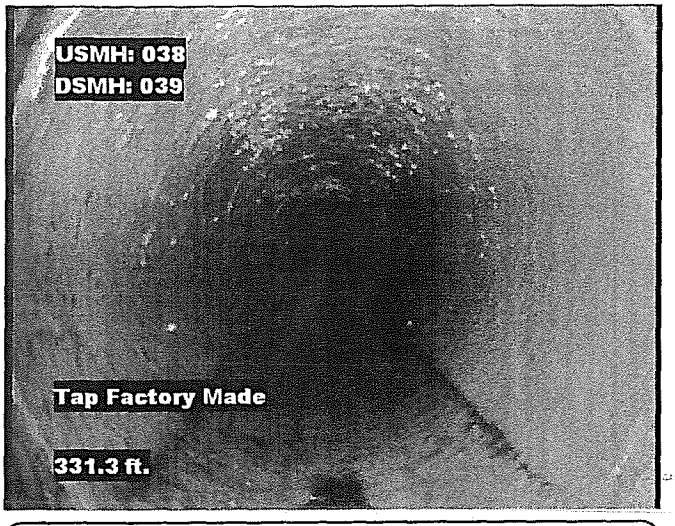
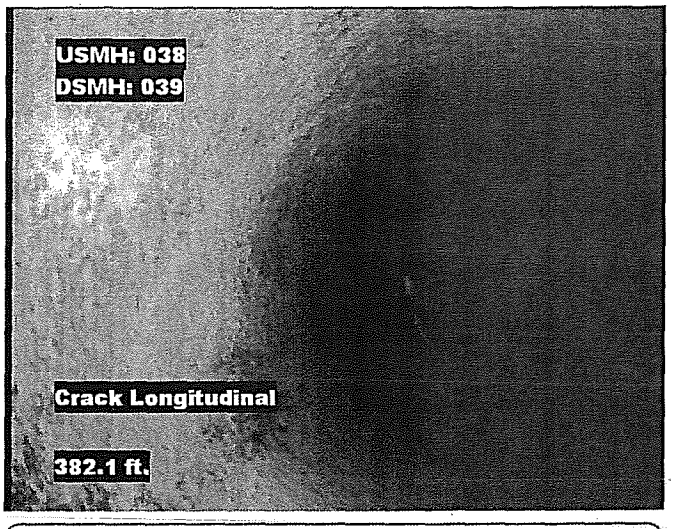
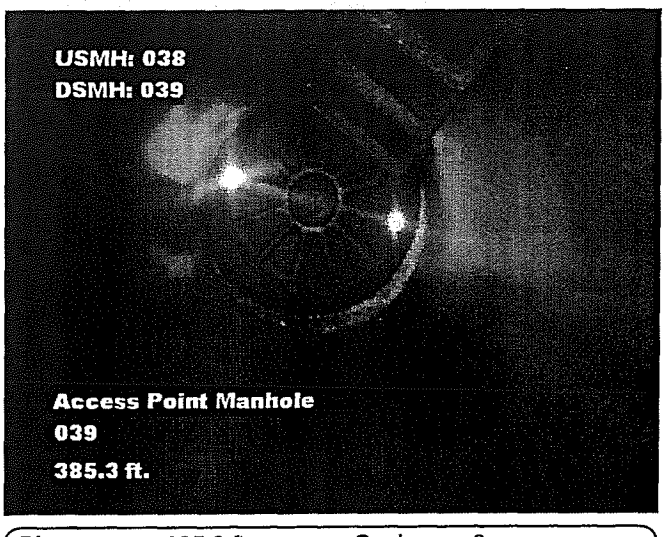
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
038_039	Hillview	Bigwood Way	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
038			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
039	385.3		8	8		



Distance: 331.3 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 382.1 ft. **Grade:** 2
Condition: Crack Longitudinal
Remarks: N/A



Distance: 385.3 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 039

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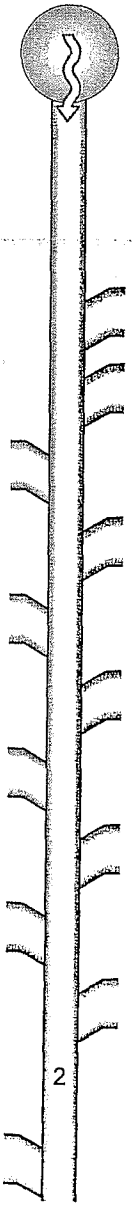
PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
039_040	Hillview	Bigwood Way	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
039			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
040	390.7		8	8		

SPR	6	MPR	N/A	PO Number	Customer: City of Hillview
SPRI	2	MPRI	N/A	Work Order	Purpose: Capital Improvement Program As...
QSR	2300	QMR	N/A		

OPR	Surveyed By	Direction	Date	Media label
6	Bunch	Downstream	20130617	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
2		Jetting	08:21	Dry
Date Cleaned			End Time	Additional Info
20130617			08:37	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
3.8 ft.	Tap Factory Made
64.9 ft.	Tap Factory Made
88.9 ft.	Tap Factory Made
130.4 ft.	Tap Factory Made
176.9 ft.	Tap Factory Made
188.9 ft.	Tap Factory Made
245.0 ft.	Tap Factory Made
254.3 ft.	Tap Factory Made
295.9 ft.	Tap Factory Made
312.6 ft.	Tap Factory Made
333.8 ft.	Crack Longitudinal
353.9 ft.	Tap Factory Made

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Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
039_040	Hillview	Bigwood Way	Vitrified Clay Pipe		Light High...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
039			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
040	390.7		8	8		

SPR	6	MPR	N/A	PO Number	Customer
SPRI	2	MPRI	N/A		City of Hillview
QSR	2300	QMR	N/A	Work Order	Purpose
					Capital Improvement Program As...

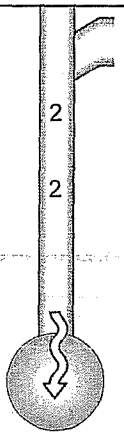
OPR	Surveyed By	Direction	Date	Media label
6	Bunch	Downstream	20130617	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
2		Jetting	08:21	Dry
Date Cleaned			End Time	Additional Info
20130617			08:37	

362.9 ft. Tap Factory Made

383.5 ft. Crack Longitudinal

383.5 ft. Crack Longitudinal

390.7 ft. Access Point Manhole



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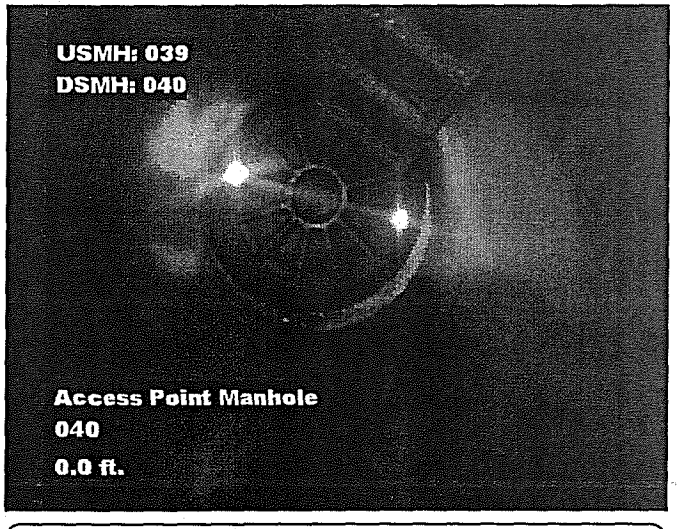
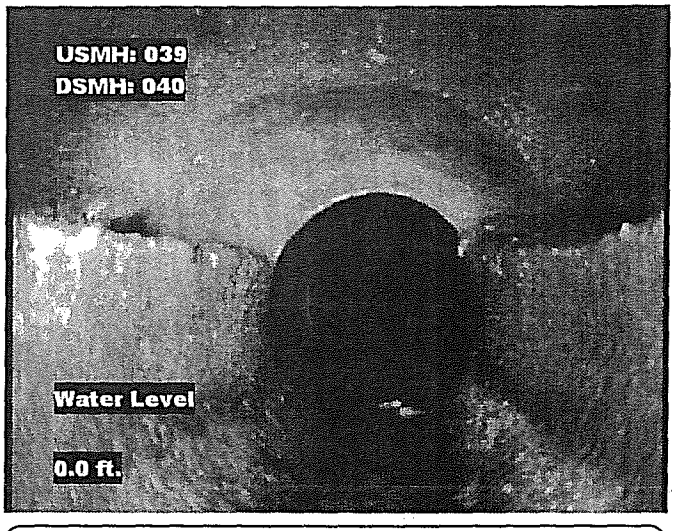
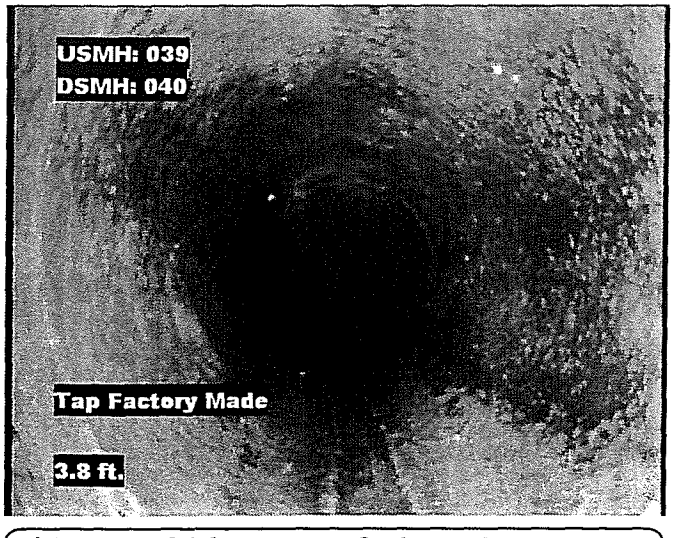
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
039_040	Hillview	Bigwood Way	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
039			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
040	390.7		8	8		



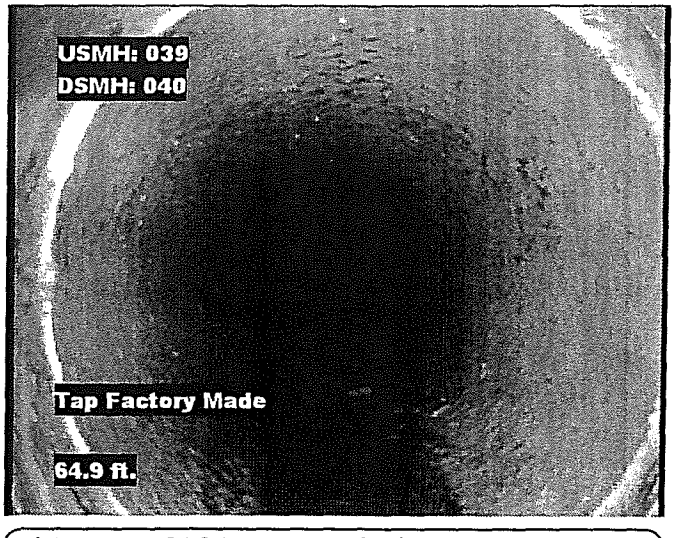
Distance: 0.0 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 040



Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A



Distance: 3.8 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 64.9 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A

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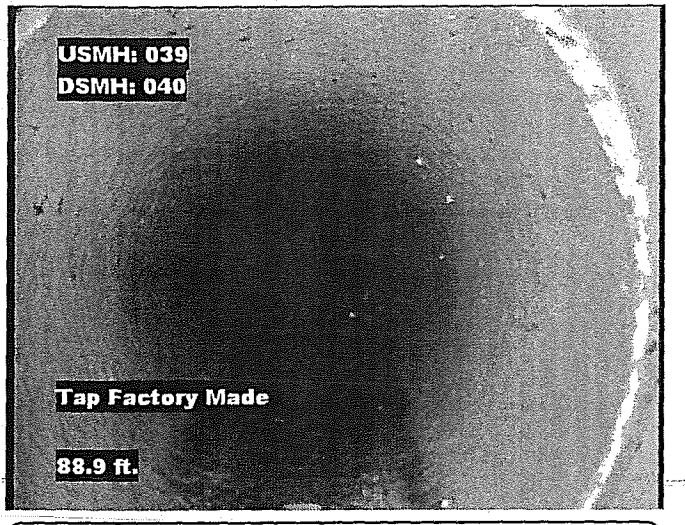
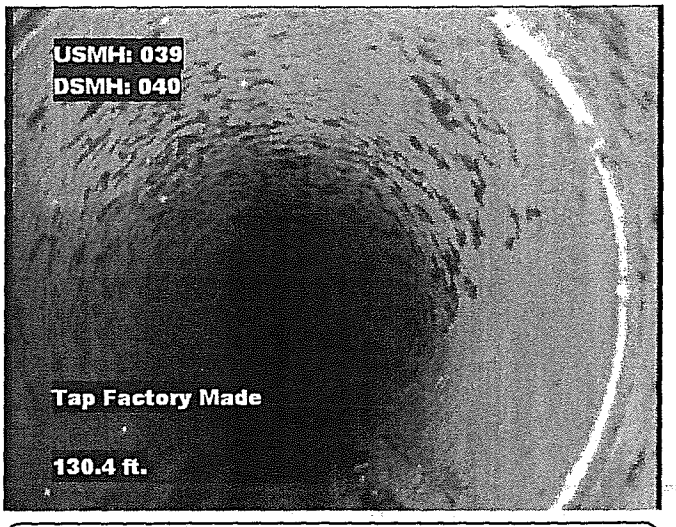
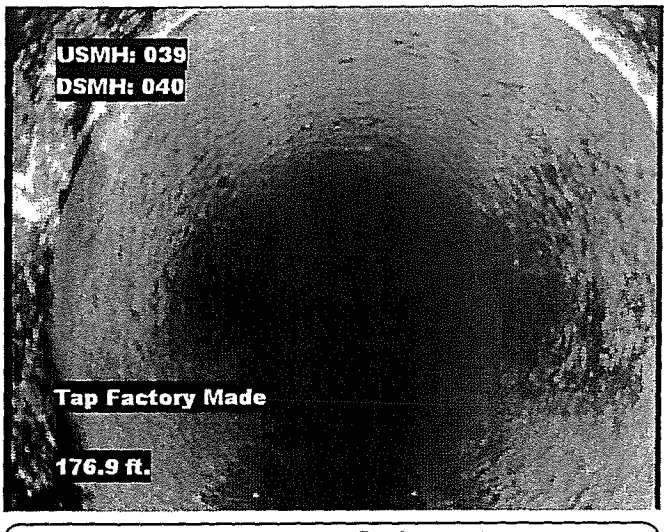
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
039_040	Hillview	Bigwood Way	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
039			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
040	390.7		8	8		



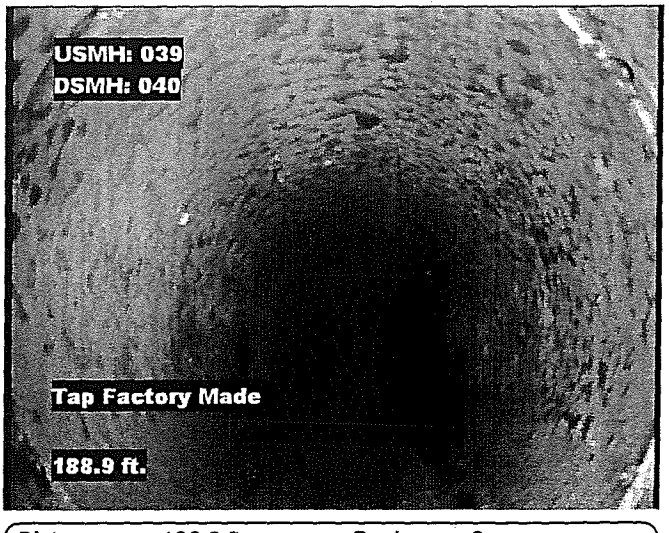
Distance: 88.9 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 130.4 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 176.9 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 188.9 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

Pipe Eyes
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PIPE EYES

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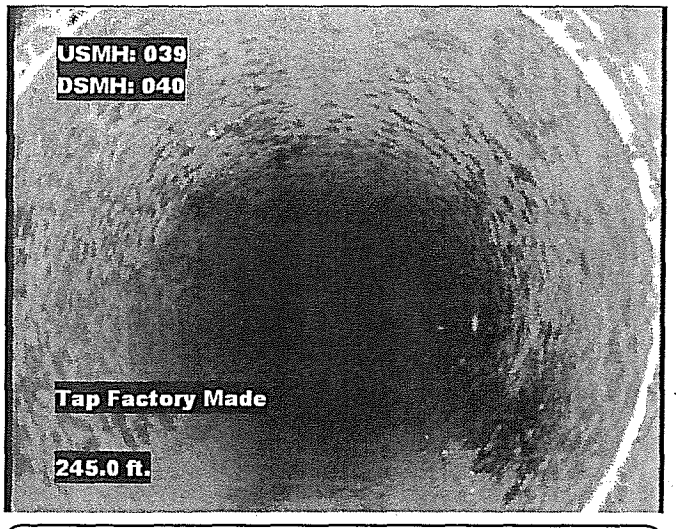
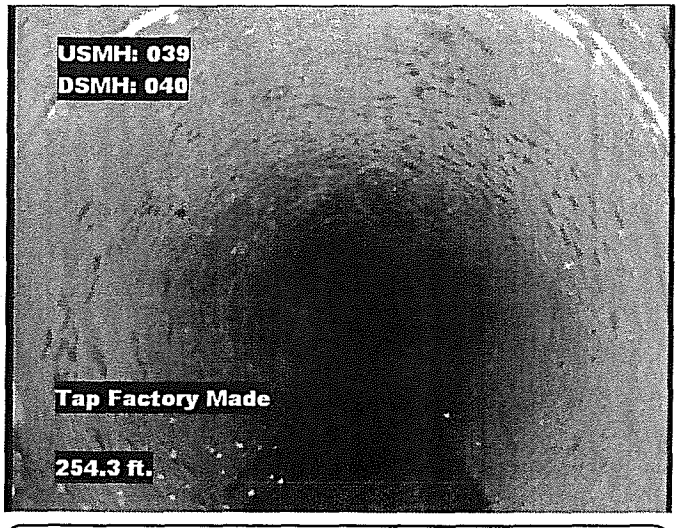
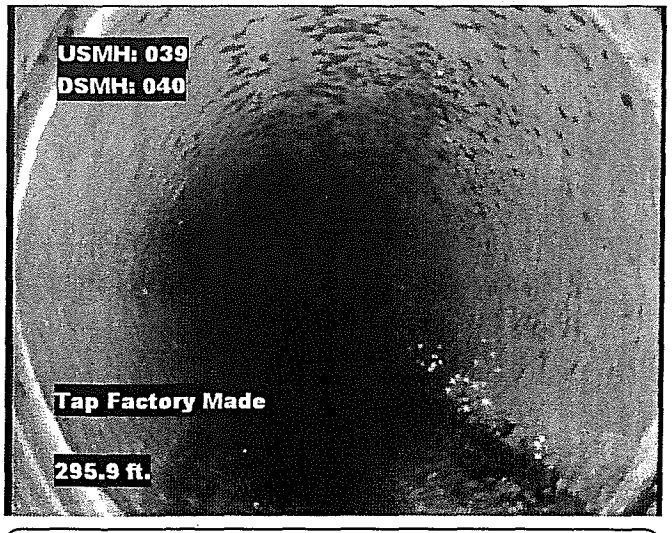
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
039_040	Hillview	Bigwood Way	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
039			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
040	390.7		8	8		



Distance: 245.0 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 254.3 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 295.9 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A

Distance: 312.6 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A

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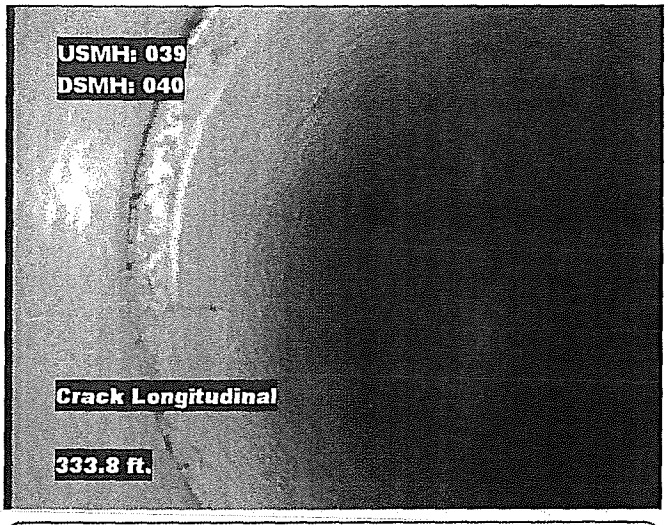
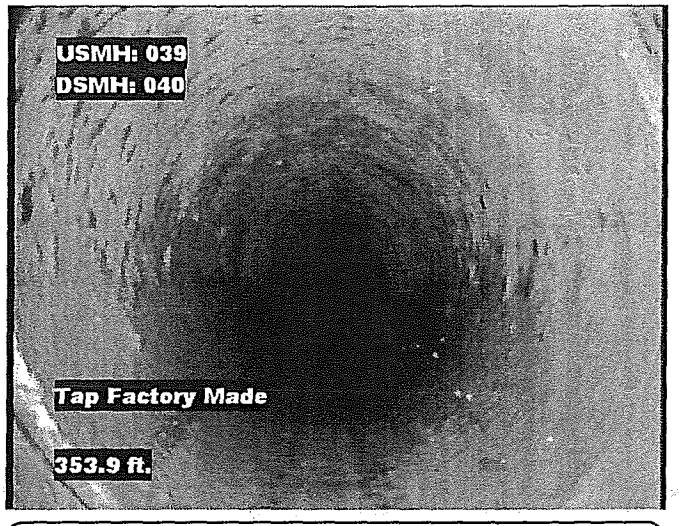
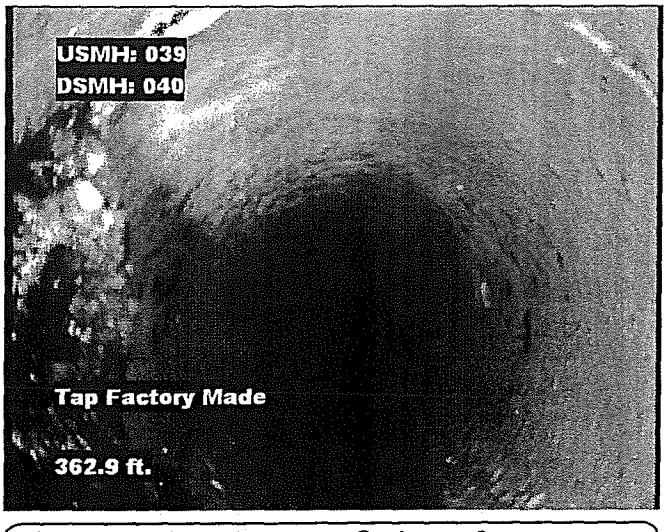
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
039_040	Hillview	Bigwood Way	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
039			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
040	390.7		8	8		



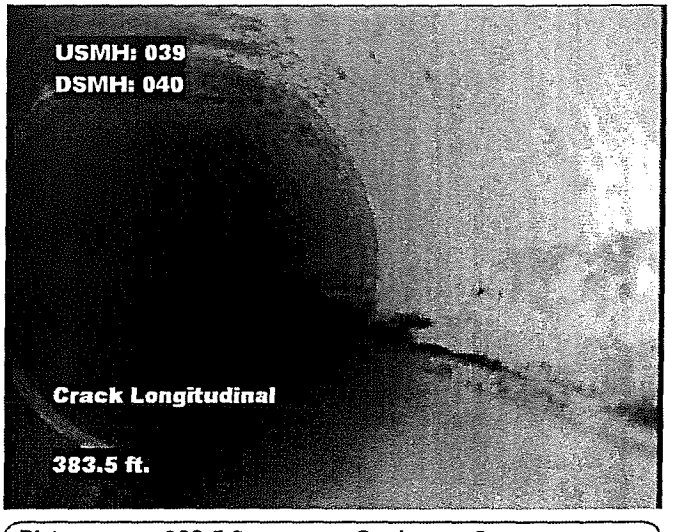
Distance: 333.8 ft. **Grade:** 2
Condition: Crack Longitudinal
Remarks: N/A



Distance: 353.9 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 362.9 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 383.5 ft. **Grade:** 2
Condition: Crack Longitudinal
Remarks: N/A

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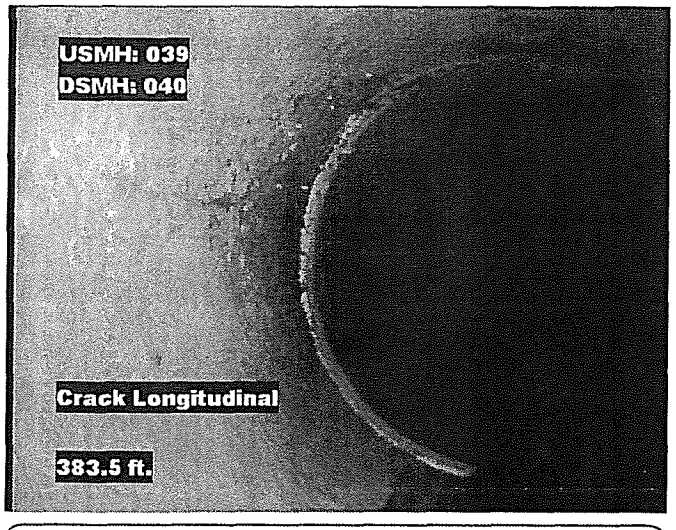
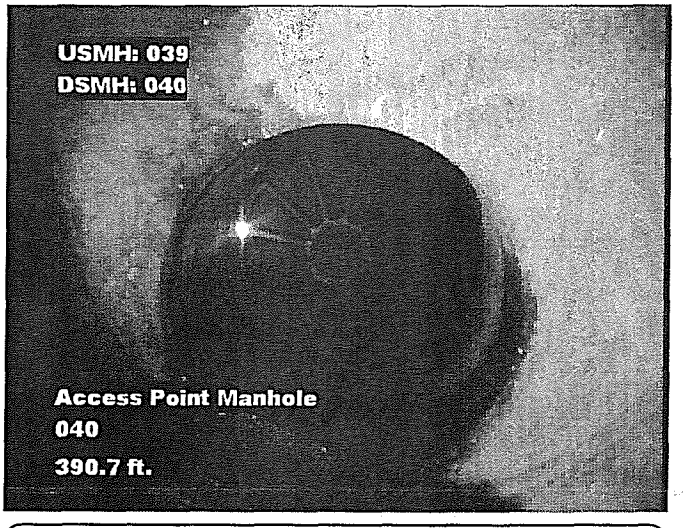
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
039_040	Hillview	Bigwood Way	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
039			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
040	390.7		8	8		



Distance: 383.5 ft. **Grade:** 2
Condition: Crack Longitudinal
Remarks: N/A



Distance: 390.7 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 040

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PIPE EYES

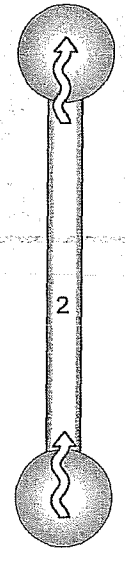
Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
035_041	Hillview	Carrissa Ct	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
035			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
041	28.8		8	8		

SPR	N/A	MPR	2	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	2	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	2100		

OPR	Surveyed By	Direction	Date	Media label
2	Bunch	Upstream	20130617	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
2		Jetting	08:57	Dry
Date Cleaned			End Time	Additional Info
20130617			09:04	

0.0 ft.	Access Point Manhole	041
0.0 ft.	Water Level	
4.2 ft.	Deposits Attached Other	
28.8 ft.	Access Point Manhole	042



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PIPE EYES

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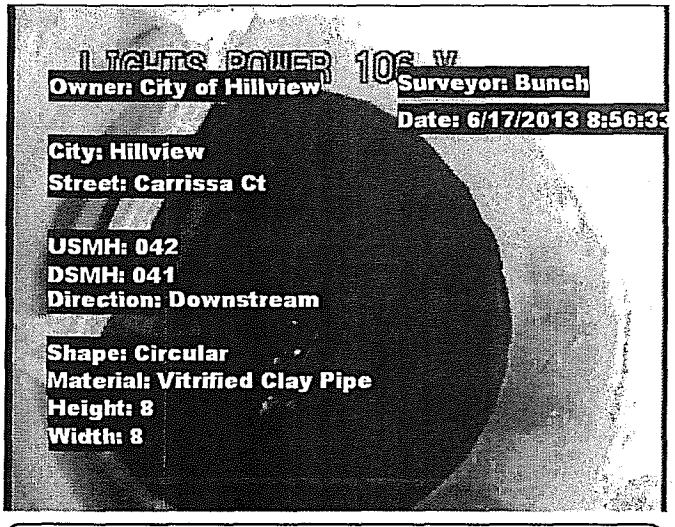
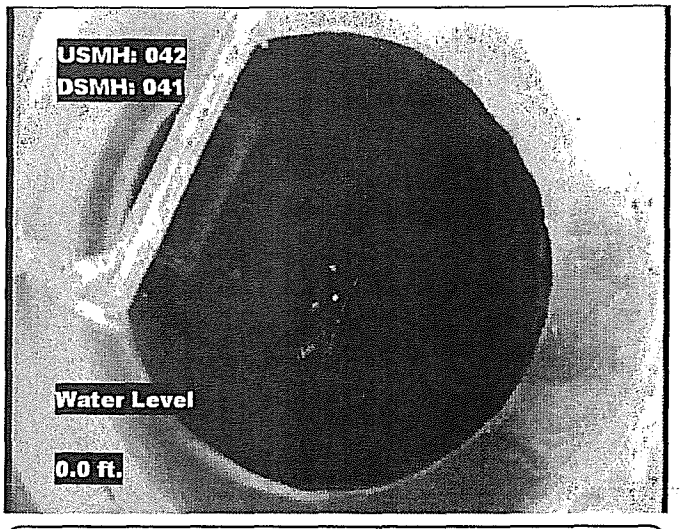
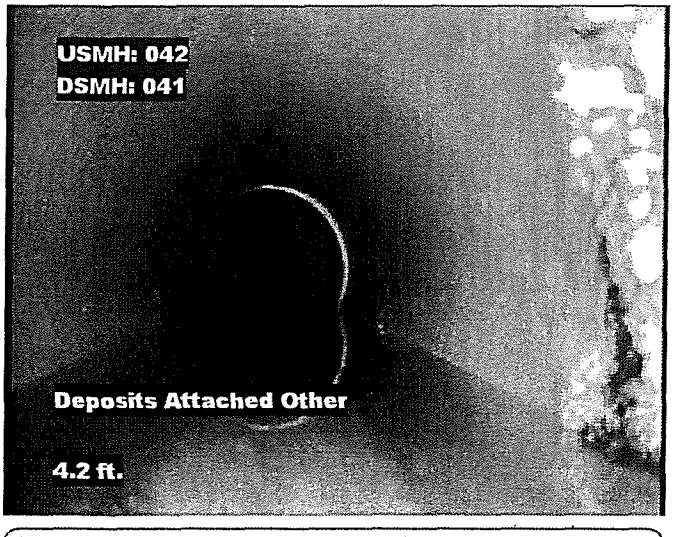
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
035_041	Hillview	Carrissa Ct	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
035			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
041	28.8		8	8		



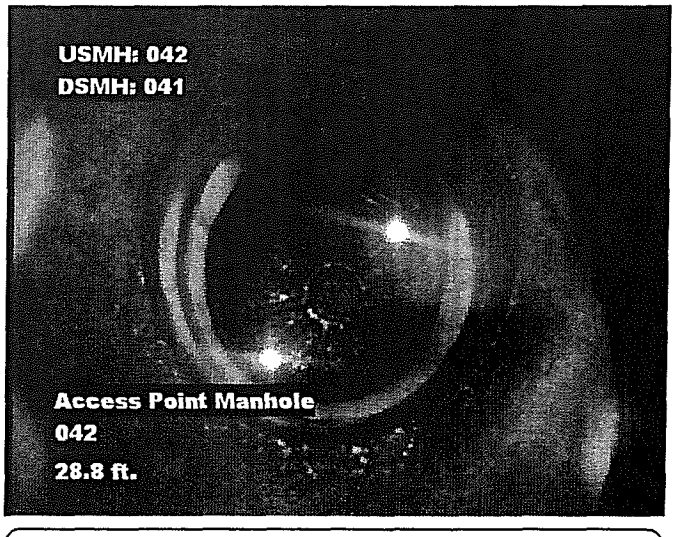
Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	041		



Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	4.2 ft.	Grade:	2
Condition:	Deposits Attached Other		
Remarks:	N/A		



Distance:	28.8 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	042		

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PIPE EYES

Defect Listing Plot

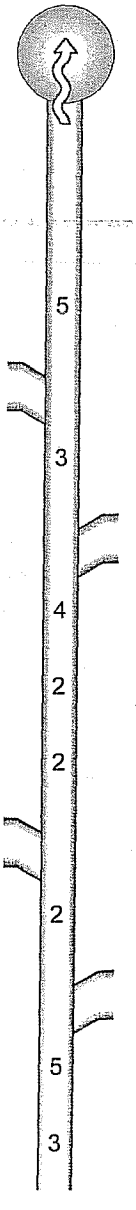
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
043_035	Hillview	Carrissa Ct	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
043			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
042	262.4		8	8		

SPR	5	MPR	21	PO Number	Customer: City of Hillview
SPRI	5	MPRI	3	Work Order	Purpose: Capital Improvement Program As...
QSR	5100	QMR	5141		

OPR	Surveyed By	Direction	Date	Media label
26	Bunch	Upstream	20130617	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather
3.3		Jetting	09:06	Dry

Date Cleaned	End Time	Additional Info
20130617	09:23	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
52.9 ft.	Hole Void Visible
61.9 ft.	Tap Factory Made
77.3 ft.	Infiltration Dripper
98.4 ft.	Tap Factory Made
113.8 ft.	Infiltration Runner
113.8 ft.	Deposits Attached Encrustation
130.2 ft.	Roots Fine Barrell
130.2 ft.	Tap Factory Made
150.8 ft.	Deposits Attached Encrustation
157.1 ft.	Tap Factory Made
157.6 ft.	Infiltration Gusher
157.6 ft.	Deposits Attached Encrustation

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PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
043_035	Hillview	Carrissa Ct	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
043			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
042	262.4		8	8		

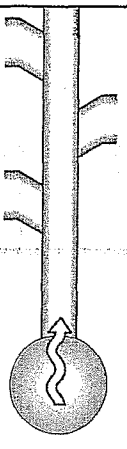
SPR 5	MPR 21	PO Number		Customer	City of Hillview
SPRI 5	MPRI 3	Work Order		Purpose	Capital Improvement Program As...
QSR 5100	QMR 5141				
OPR	Surveyed By	Direction	Date		Media label
26	Bunch	Upstream	20130617		1
OPRI	Certificate Number	Pre-Cleaning	Time		Weather
3.3		Jetting	09:06		Dry
Date Cleaned			End Time		Additional Info
20130617			09:23		

188.6 ft. Tap Factory Made

215.5 ft. Tap Factory Made

237.3 ft. Tap Factory Made

262.4 ft. Access Point Manhole



043

043

PIPE EYES

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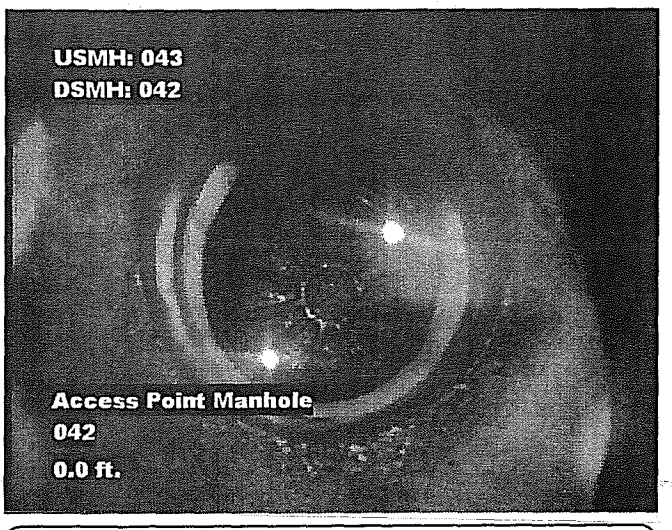
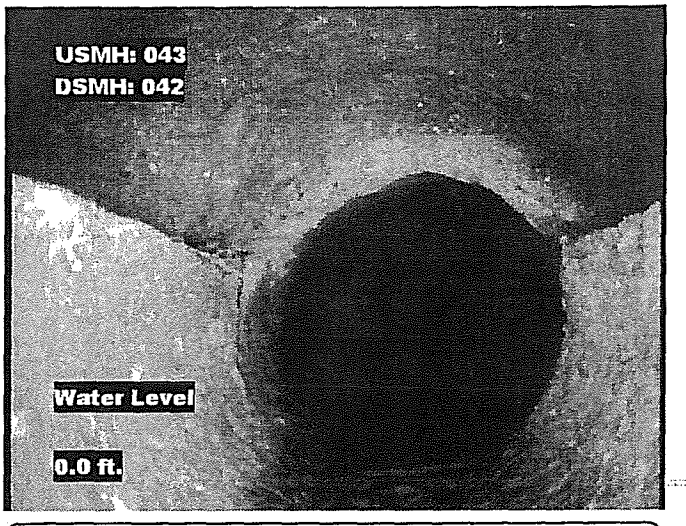
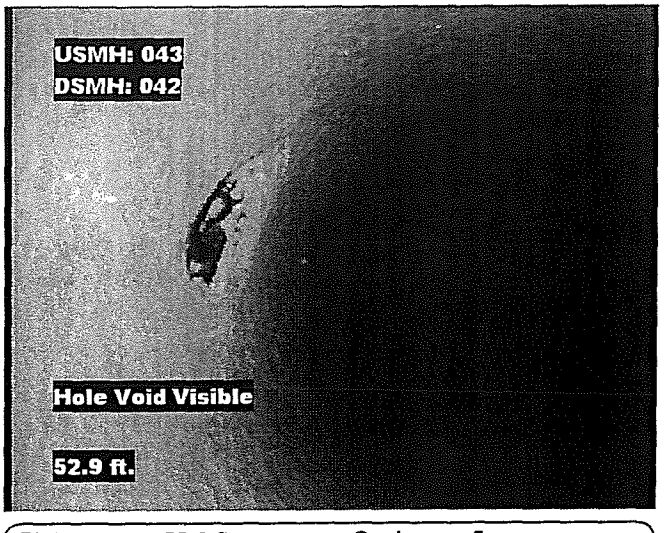
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
043_035	Hillview	Carrissa Ct	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
043			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
042	262.4		8	8		



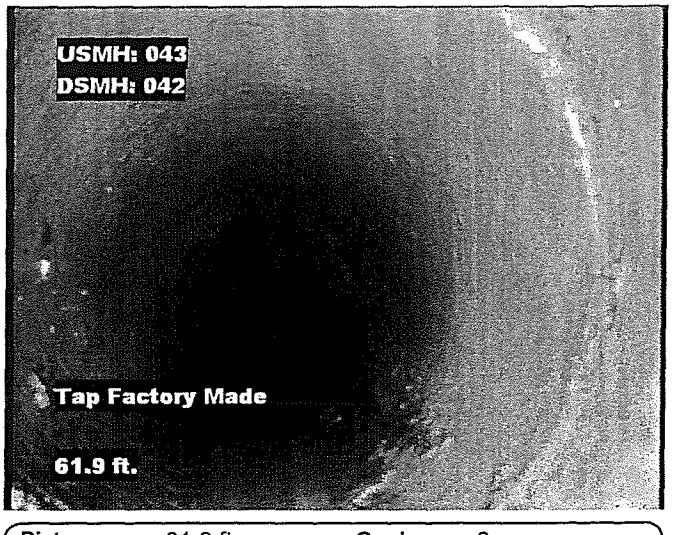
Distance: 0.0 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 042



Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A



Distance: 52.9 ft. **Grade:** 5
Condition: Hole Void Visible
Remarks: N/A



Distance: 61.9 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A

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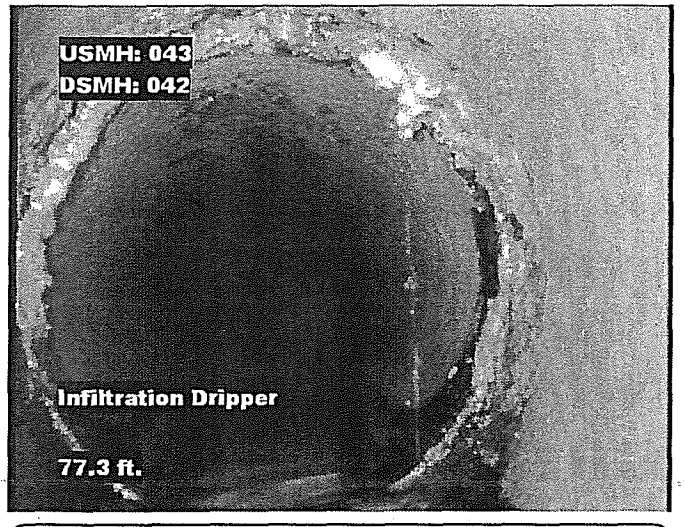
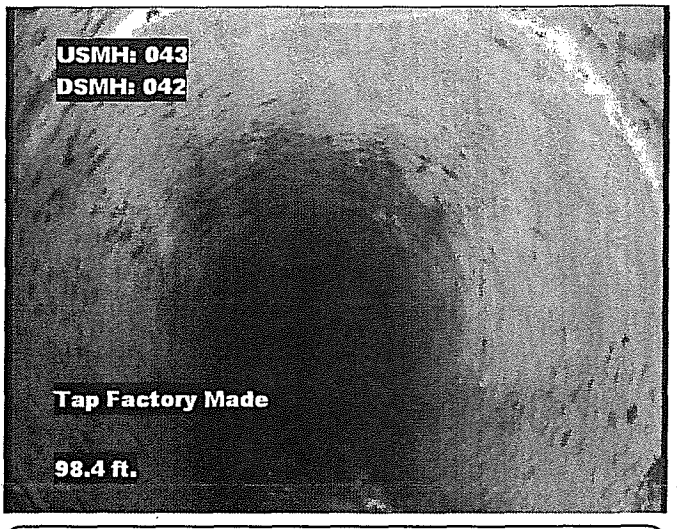
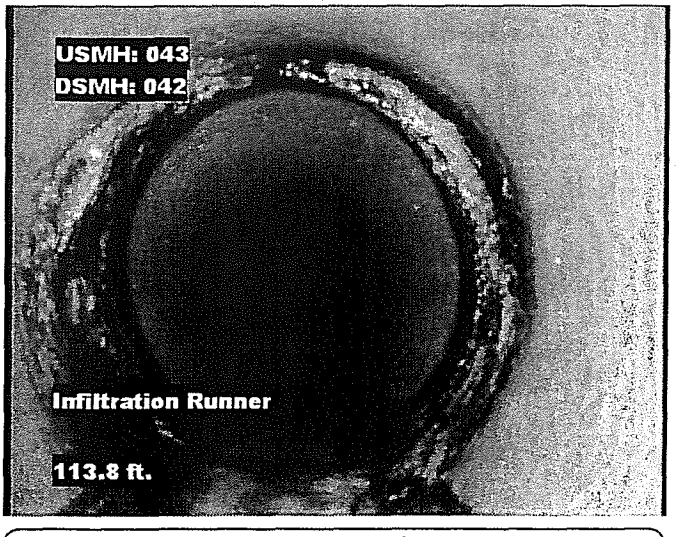
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
043_035	Hillview	Carrissa Ct	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
043			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
042	262.4		8	8		



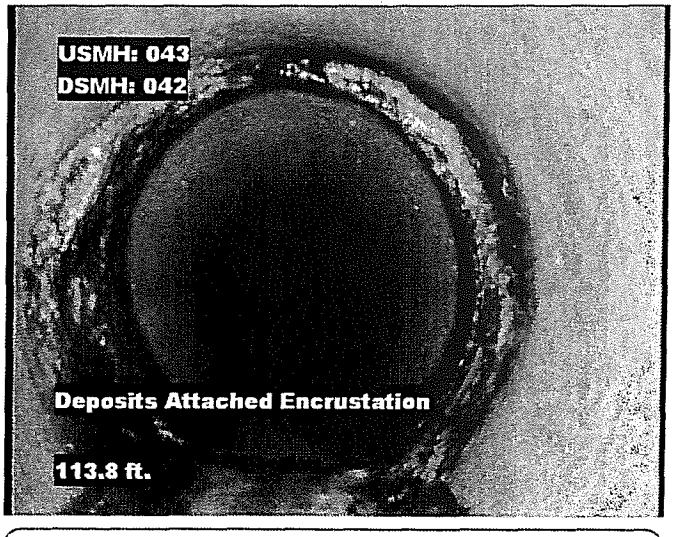
Distance:	77.3 ft.	Grade:	3
Condition:	Infiltration Dripper		
Remarks:	N/A		



Distance:	98.4 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	113.8 ft.	Grade:	4
Condition:	Infiltration Runner		
Remarks:	N/A		



Distance:	113.8 ft.	Grade:	2
Condition:	Deposits Attached Encrustation		
Remarks:	N/A		

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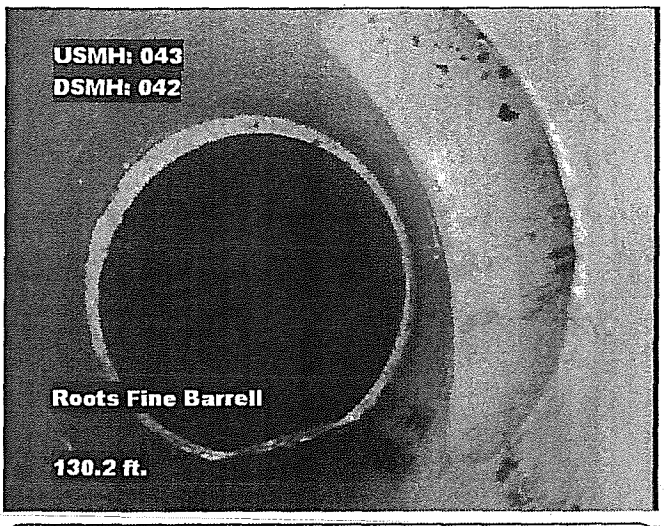
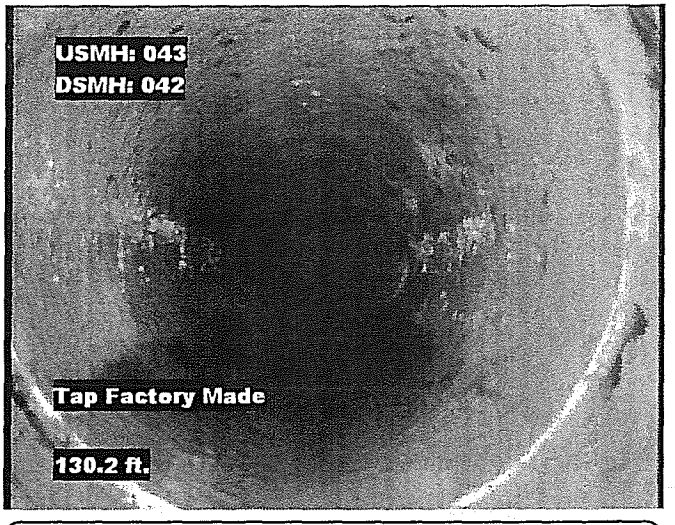
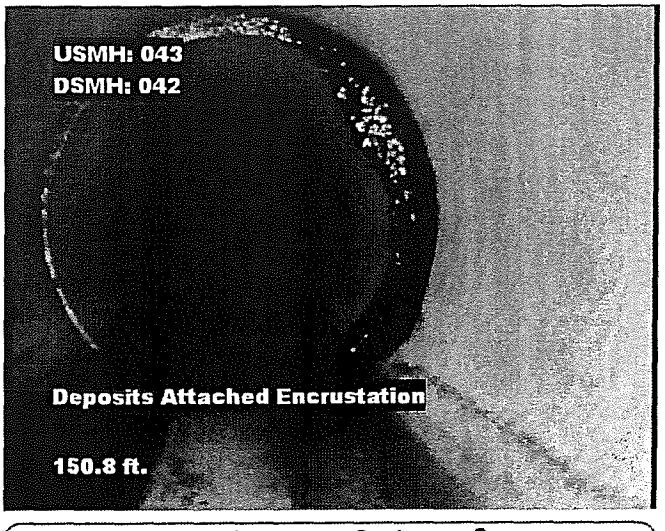
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
043_035	Hillview	Carrissa Ct	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
043			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
042	262.4		8	8		



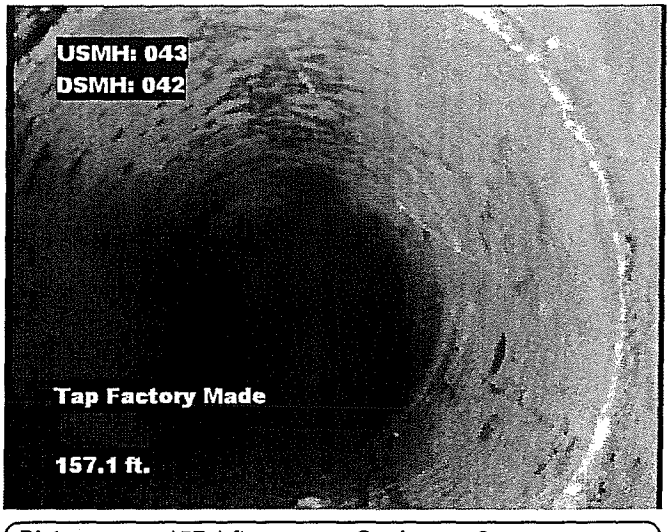
Distance: 130.2 ft. **Grade:** 2
Condition: Roots Fine Barrell
Remarks: N/A



Distance: 130.2 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 150.8 ft. **Grade:** 2
Condition: Deposits Attached Encrustation
Remarks: N/A



Distance: 157.1 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A

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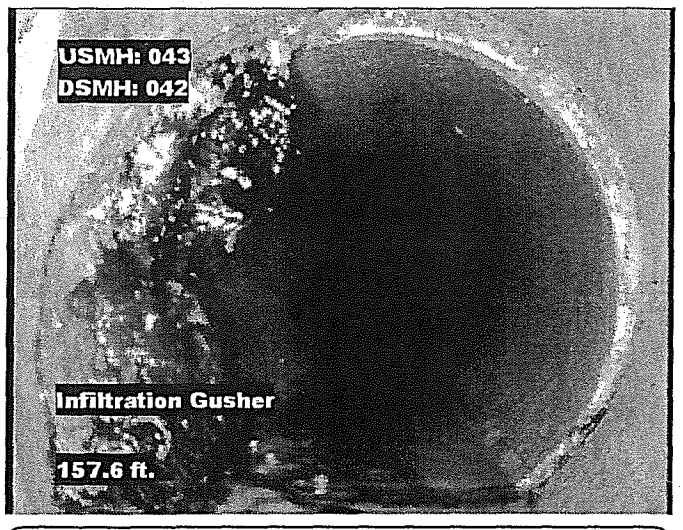
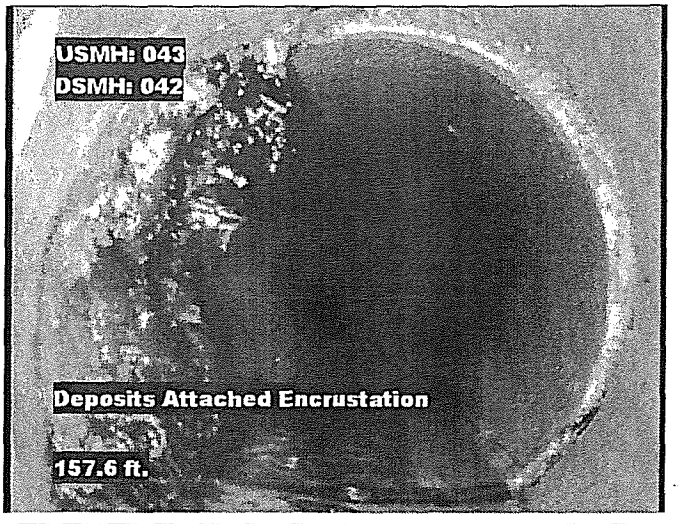
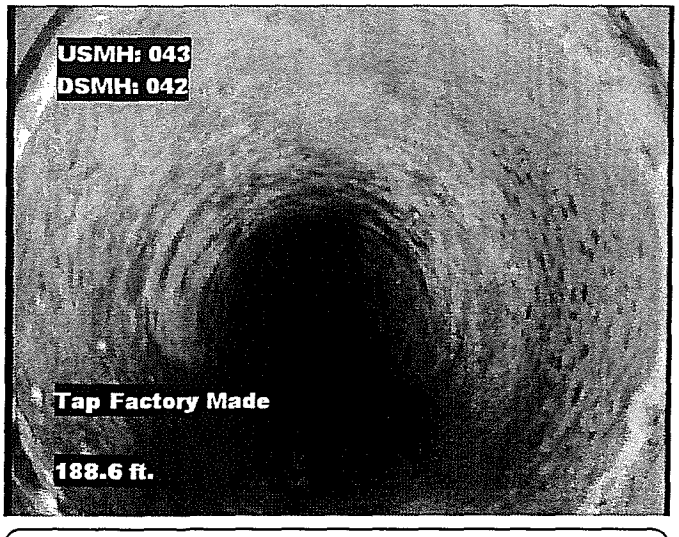
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
043_035	Hillview	Carrissa Ct	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
043			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
042	262.4		8	8		



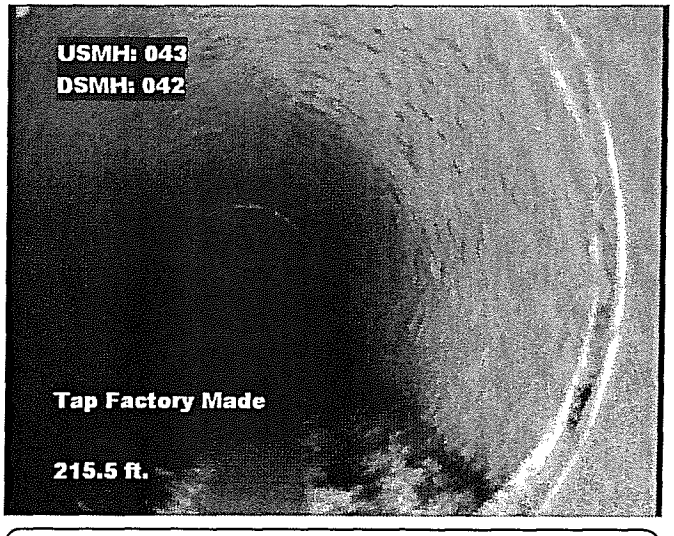
Distance: 157.6 ft. **Grade:** 5
Condition: Infiltration Gusher
Remarks: N/A



Distance: 157.6 ft. **Grade:** 3
Condition: Deposits Attached Encrustation
Remarks: N/A



Distance: 188.6 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 215.5 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A

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PIPE EYES

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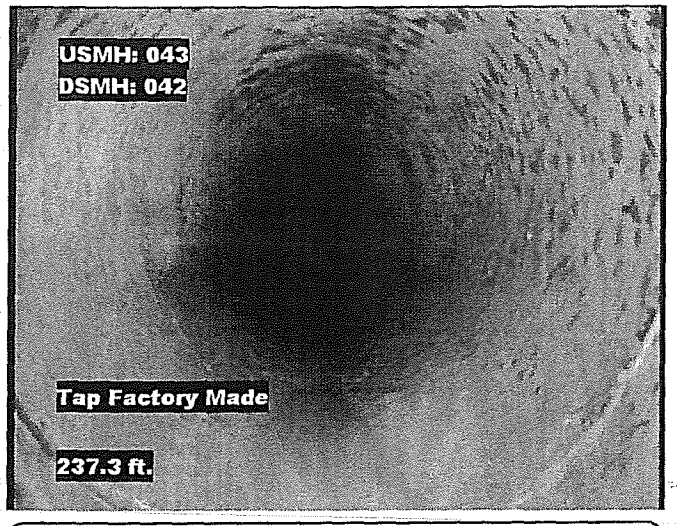
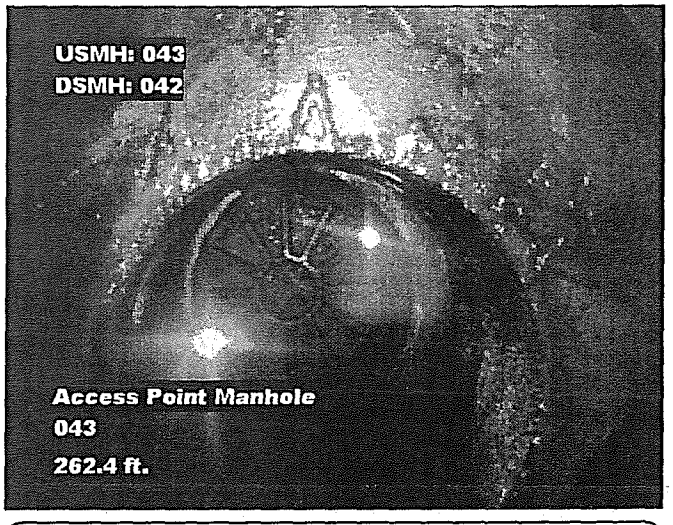
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
043_035	Hillview	Carrissa Ct	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
043			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
042	262.4		8	8		



Distance: 237.3 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 262.4 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 043

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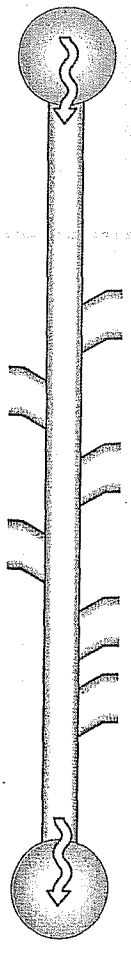
PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
041_029	Hillview	Carrissa Ct	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
041			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
029	299.9		8	8		

SPR	N/A	MPR	N/A	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	N/A	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	N/A		

OPR	Surveyed By	Direction	Date	Media label
N/A	Bunch	Downstream	20130617	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
N/A		Jetting	09:31	Dry
Date Cleaned			End Time	Additional Info
20130617			09:43	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
41.8 ft.	Tap Factory Made
44.0 ft.	Tap Factory Made Active
185.2 ft.	Tap Factory Made Capped
258.7 ft.	Tap Factory Made
260.4 ft.	Tap Factory Made
265.0 ft.	Tap Factory Made Active
299.9 ft.	Access Point Manhole

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PIPE EYES

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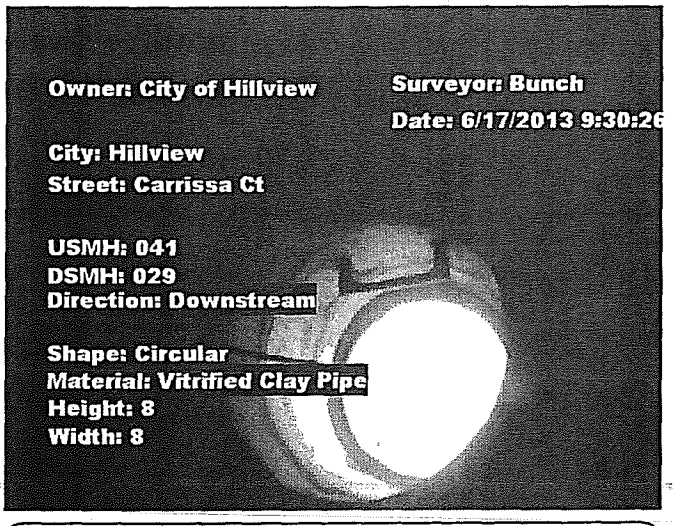
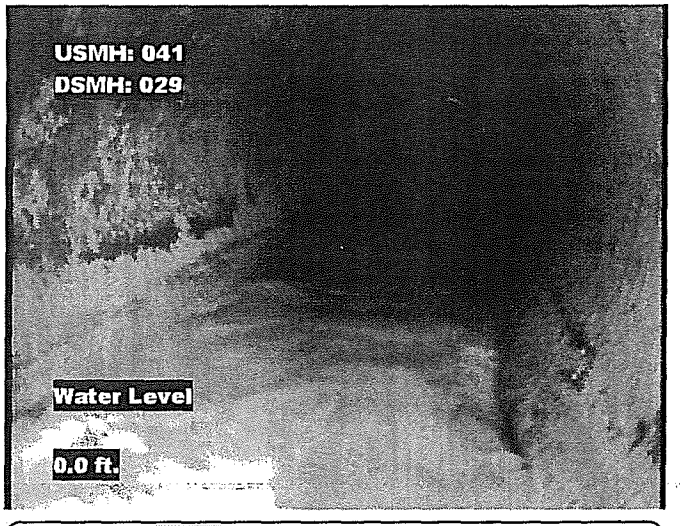
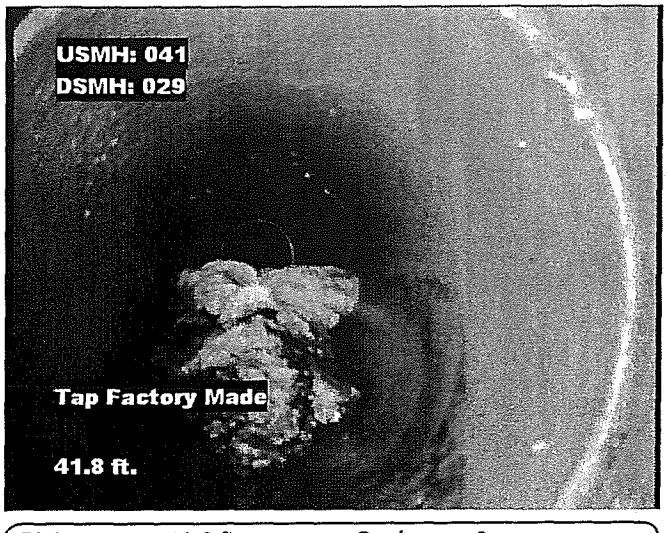
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
041_029	Hillview	Carrissa Ct	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
041			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
029	299.9		8	8		



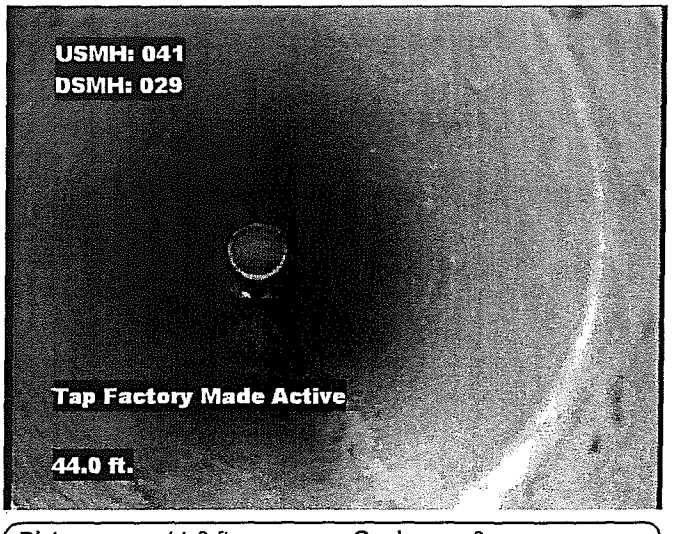
Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	041		



Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	41.8 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	44.0 ft.	Grade:	0
Condition:	Tap Factory Made Active		
Remarks:	N/A		

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PIPE EYES

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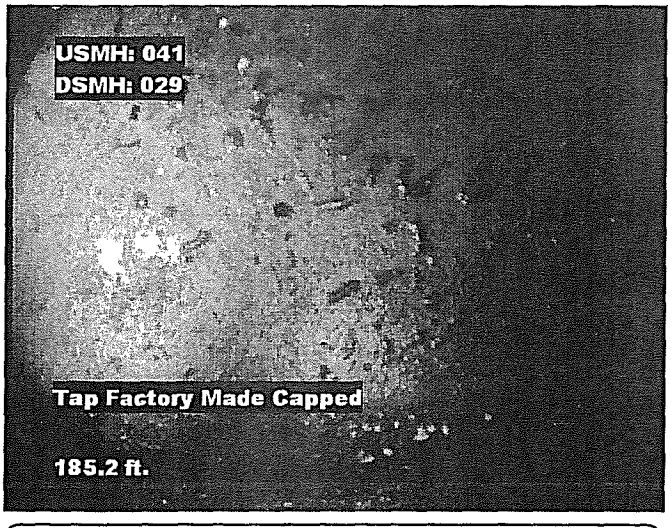
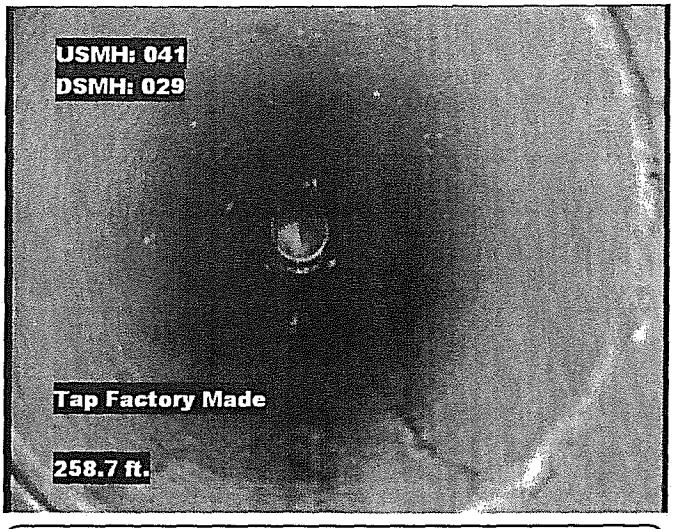
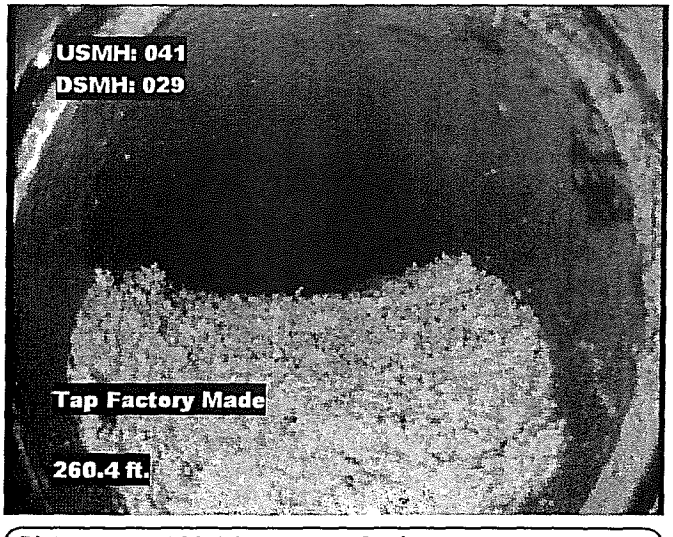
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
041_029	Hillview	Carrissa Ct	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
041			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
029	299.9		8	8		



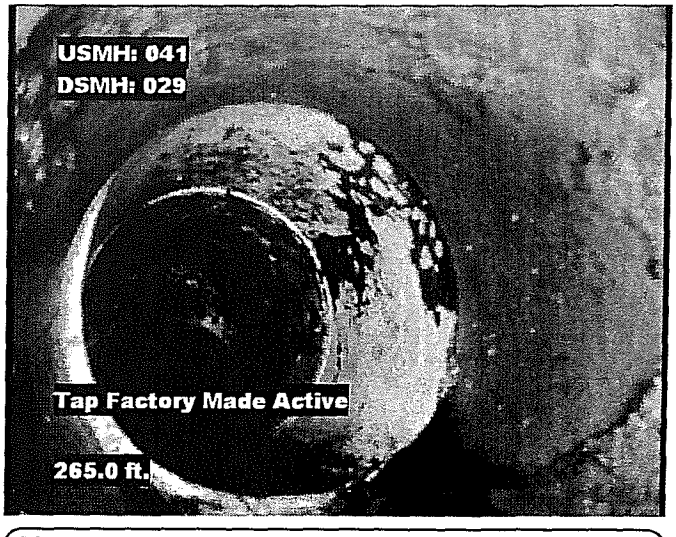
Distance: 185.2 ft. **Grade:** 0
Condition: Tap Factory Made Capped
Remarks: N/A



Distance: 258.7 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 260.4 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 265.0 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A

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PIPE EYES

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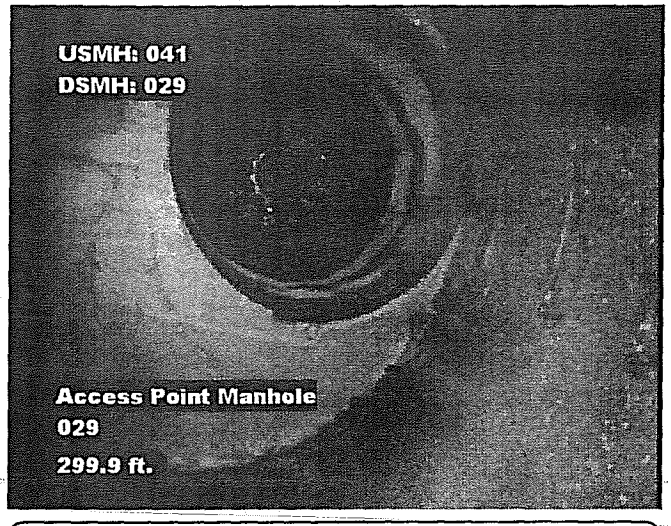
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
041_029	Hillview	Carrissa Ct	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
041			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
029	299.9		8	8		



Distance: 299.9 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 029

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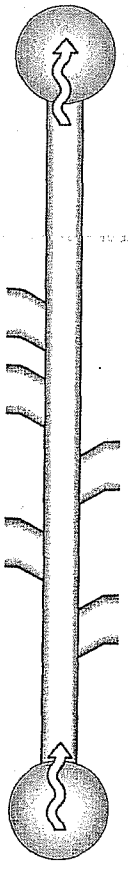
PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
Stub_047	Hillview	Bally Castle	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
Stub			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
047	67.8		8	8		

SPR	N/A	MPR	N/A	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	N/A	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	N/A		

OPR	Surveyed By	Direction	Date	Medla label
N/A	Bunch	Upstream	20130617	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
N/A		Jetting	11:13	Dry
Date Cleaned			End Time	Additional Info
20130617			11:20	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
4.0 ft.	Tap Factory Made
16.9 ft.	Tap Factory Made
43.5 ft.	Tap Factory Made Active
65.3 ft.	Tap Factory Made
67.3 ft.	Tap Factory Made
67.8 ft.	General Observation

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PIPE EYES

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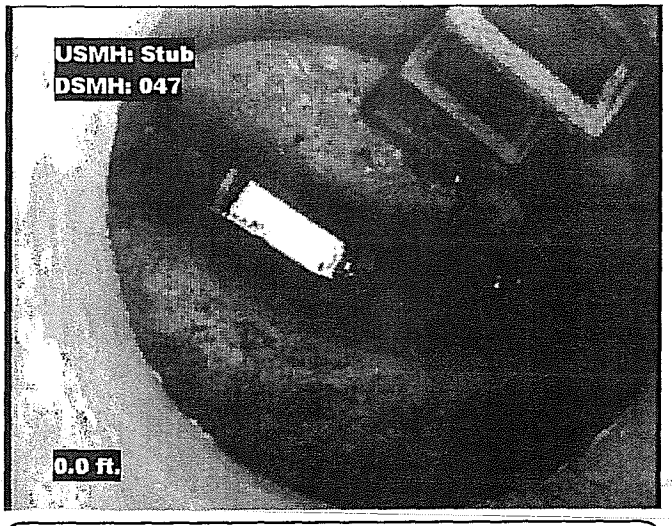
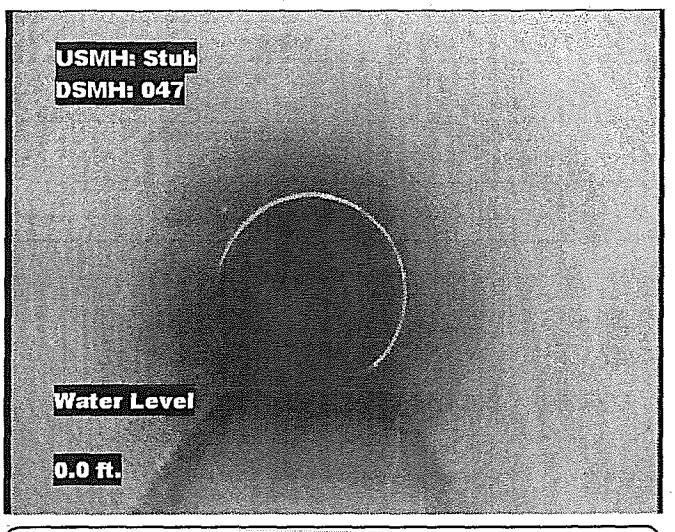
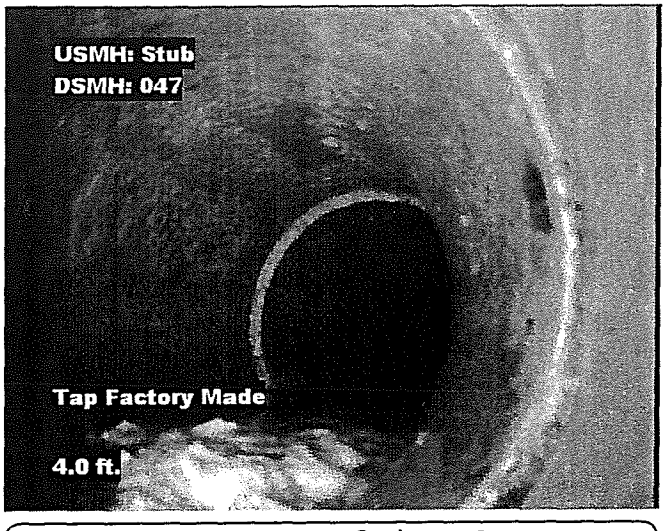
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
Stub_047	Hillview	Bally Castle	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
Stub			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
047	67.8		8	8		



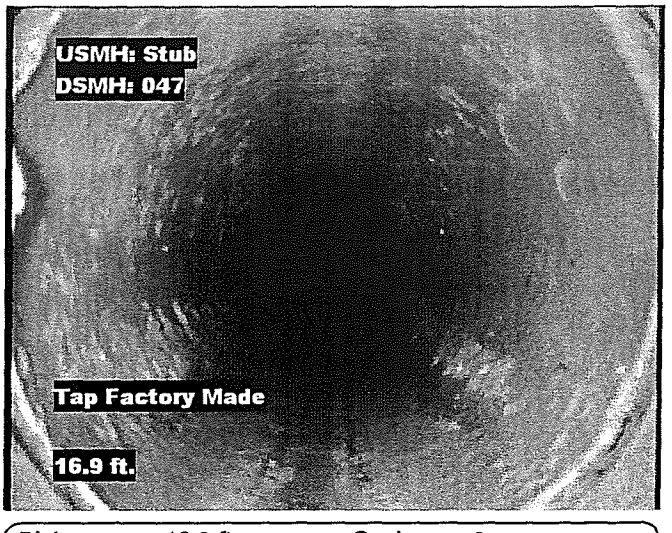
Distance: 0.0 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 047



Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A



Distance: 4.0 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 16.9 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A

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PIPE EYES

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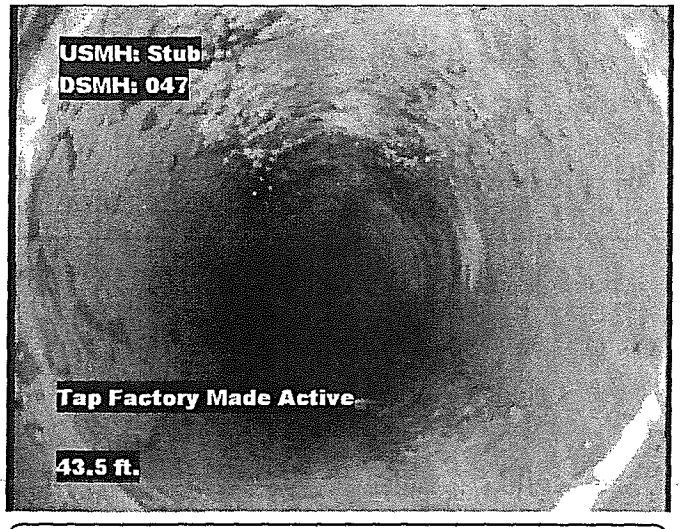
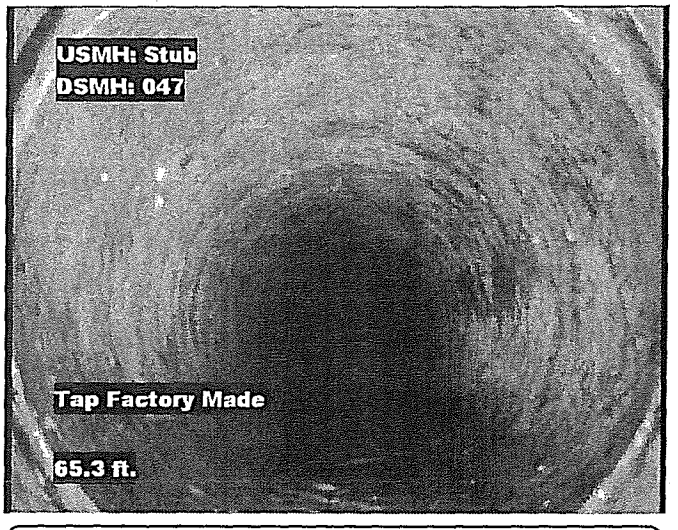
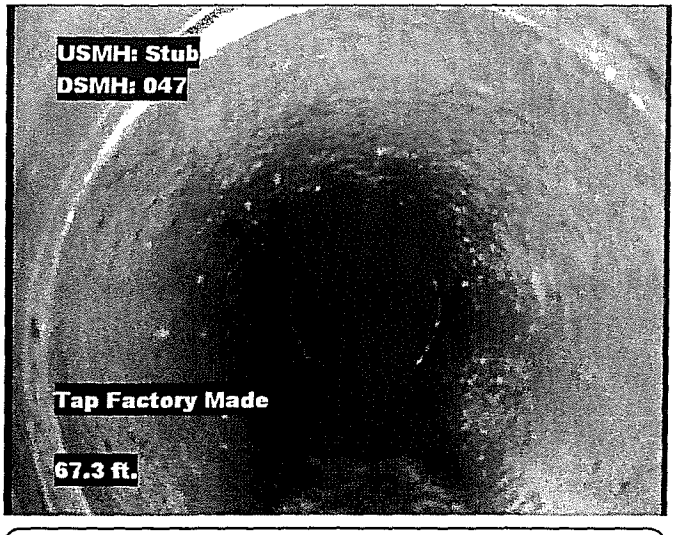
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
Stub_047	Hillview	Bally Castle	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
Stub			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
047	67.8		8	8		



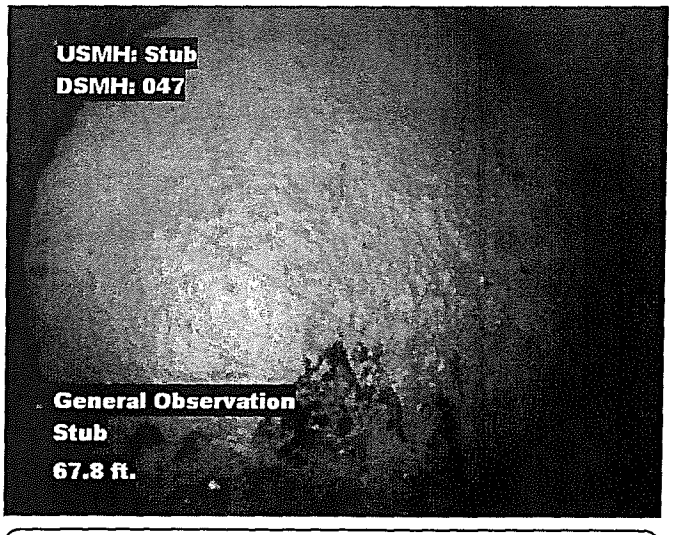
Distance:	43.5 ft.	Grade:	0
Condition:	Tap Factory Made Active		
Remarks:	N/A		



Distance:	65.3 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	67.3 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	67.8 ft.	Grade:	0
Condition:	General Observation		
Remarks:	Stub		

Pipe Eyes
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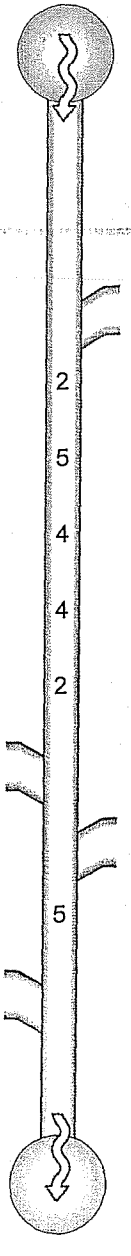
PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
047_046	Hillview	Bally Castle	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
047			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
046	254.6		8	8		

SPR 17	MPR 19	PO Number		Customer	City of Hillview
SPRI 4.3	MPRI 2.4	Work Order		Purpose	Capital Improvement Program As...
QSR 5143	QMR 5127				
OPR	Surveyed By	Direction	Date		Media label
36	Bunch	Downstream	20130617		1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
3		Jetting	11:23	Dry	
Date Cleaned			End Time	Additional Info	
20130617			11:36		



0.0 ft.	Access Point Manhole	047
0.0 ft.	Water Level	047
23.6 ft.	Tap Factory Made	
59.9 ft.	Deposits Attached Grease - S01	2
74.6 ft.	Infiltration Gusher	5
74.6 ft.	Repair Point Defective - S02	4 PVC Offset
90.2 ft.	Repair Point Defective - F02	4 PVC Offset
96.2 ft.	Deposits Attached Grease - F01	2
124.9 ft.	Tap Factory Made	
127.0 ft.	Tap Factory Made	
247.4 ft.	Hole Void Visible	5
252.8 ft.	Tap Factory Made	Drop
254.6 ft.	Access Point Manhole	046
		046

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PIPE EYES

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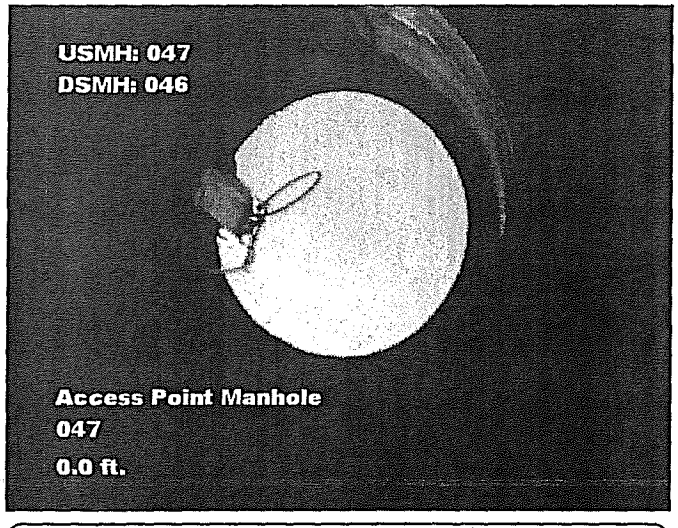
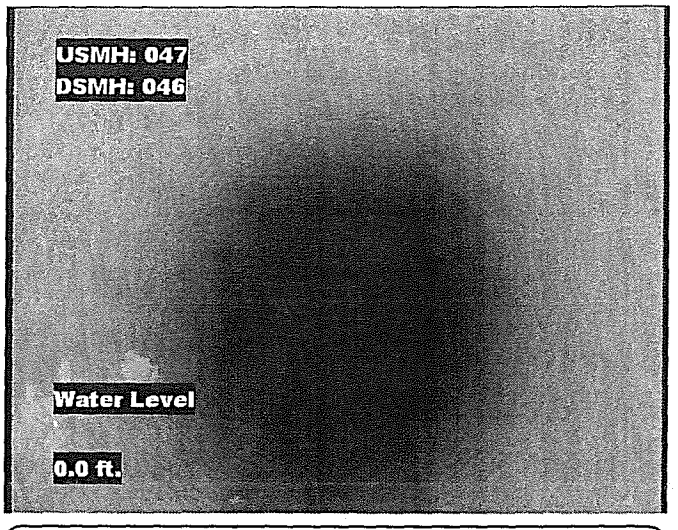
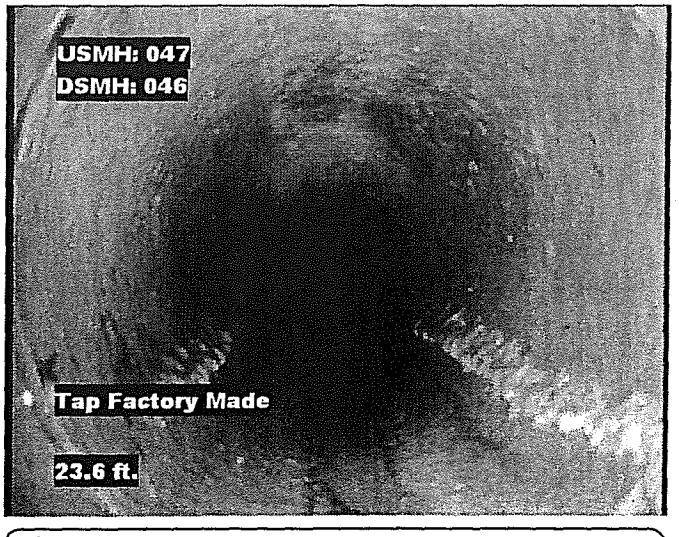
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
047_046	Hillview	Bally Castle	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
047			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
046	254.6		8	8		



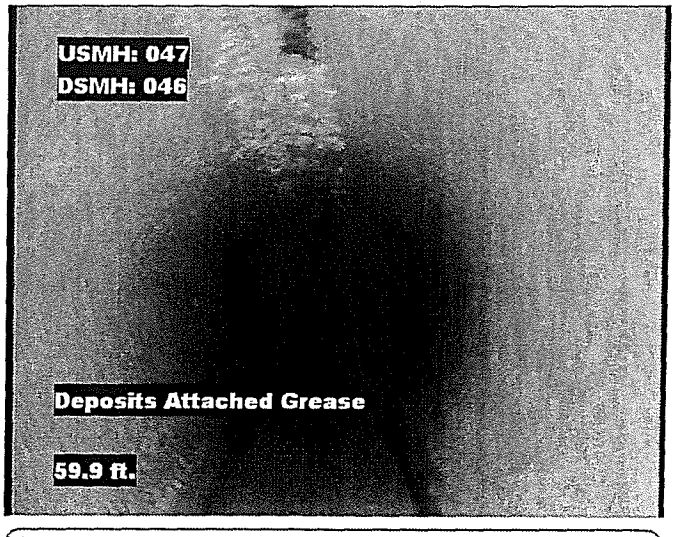
Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: 047



Distance: 0.0 ft. Grade: 0
Condition: Water Level
Remarks: N/A



Distance: 23.6 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 59.9 ft. Grade: 2
Condition: Deposits Attached Grease
Remarks: N/A

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PIPE EYES

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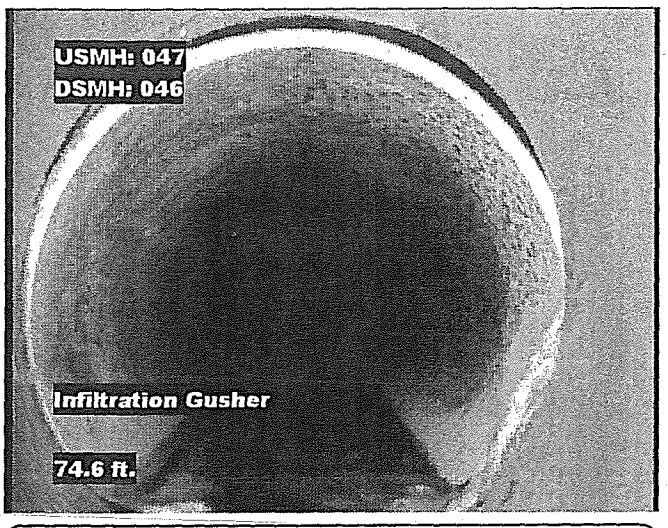
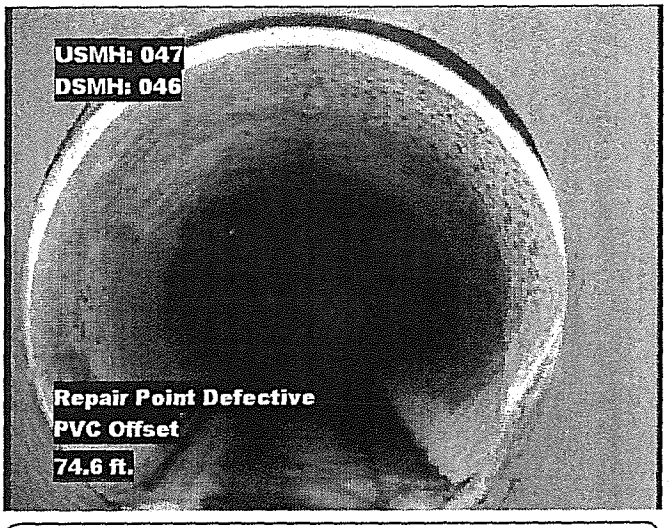
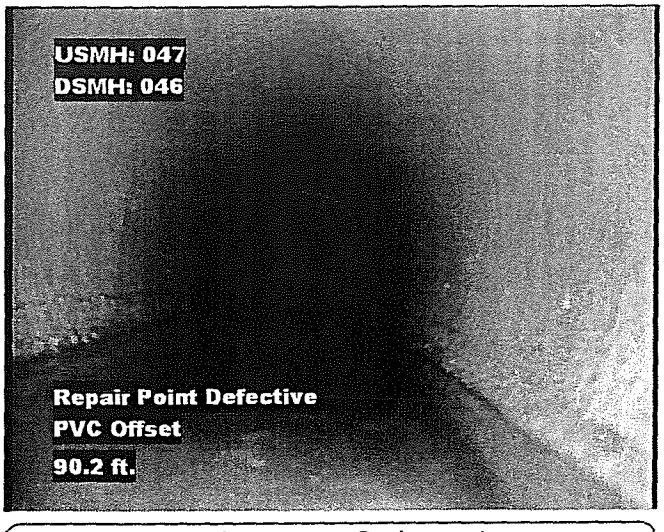
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
047_046	Hillview	Bally Castle	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
047			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
046	254.6		8	8		



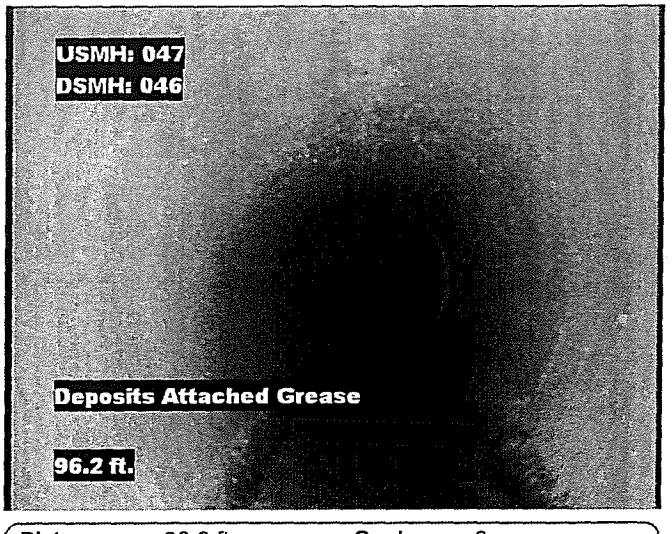
Distance: 74.6 ft. **Grade:** 5
Condition: Infiltration Gusher
Remarks: N/A



Distance: 74.6 ft. **Grade:** 4
Condition: Repair Point Defective
Remarks: PVC Offset



Distance: 90.2 ft. **Grade:** 4
Condition: Repair Point Defective
Remarks: PVC Offset



Distance: 96.2 ft. **Grade:** 2
Condition: Deposits Attached Grease
Remarks: N/A

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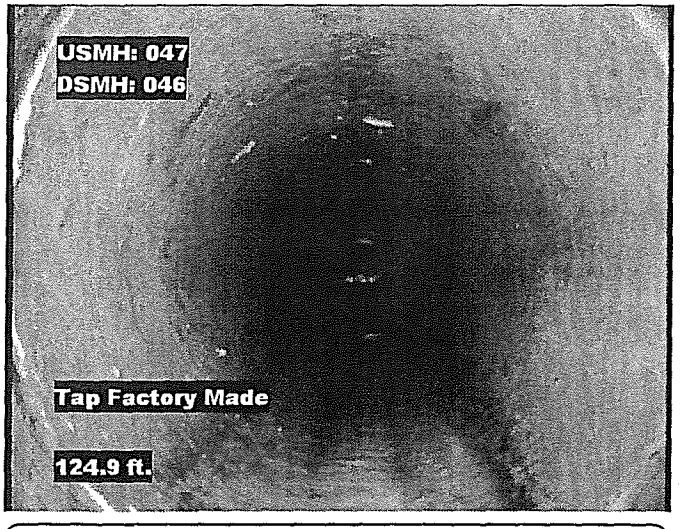
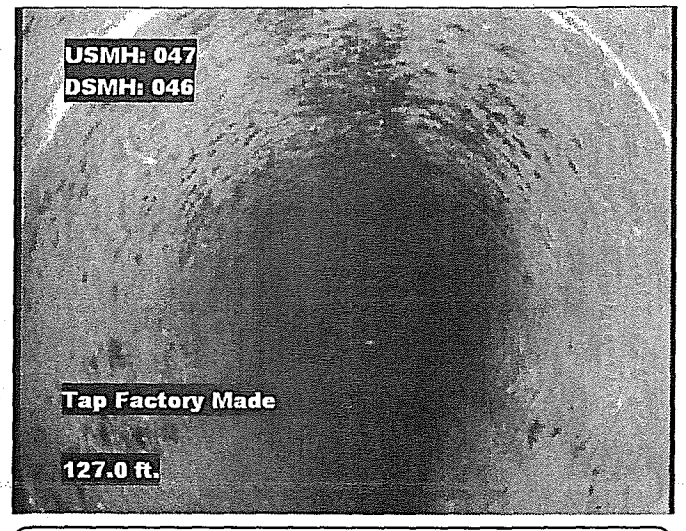
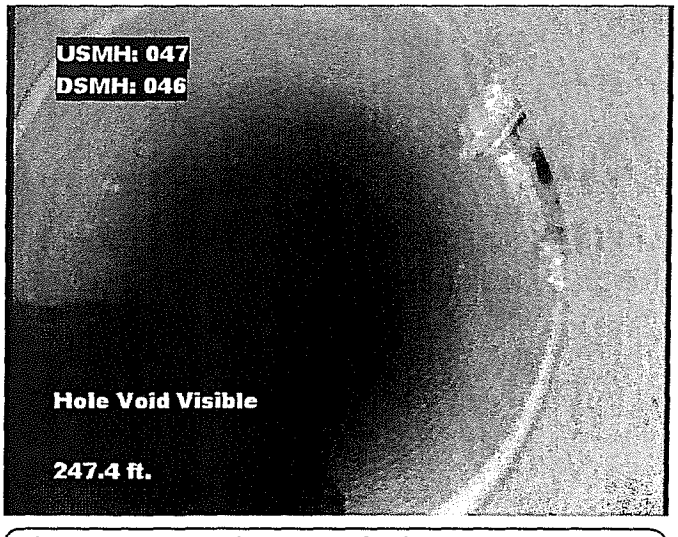
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
047_046	Hillview	Bally Castle	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
047			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
046	254.6		8	8		



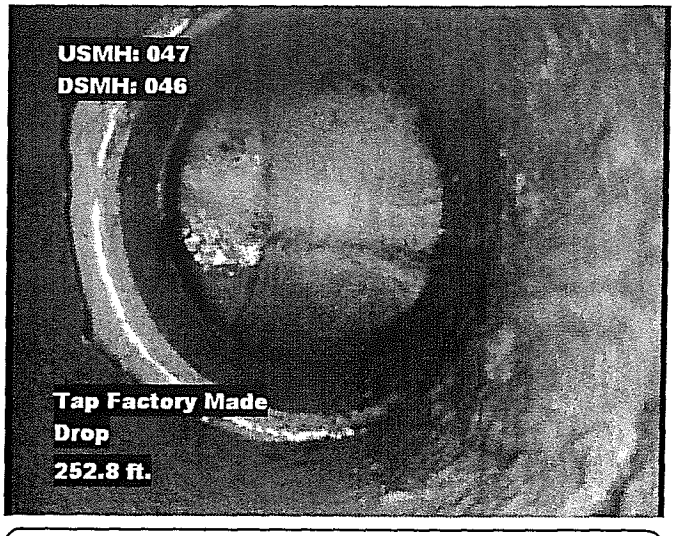
Distance:	124.9 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	127.0 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	247.4 ft.	Grade:	5
Condition:	Hole Void Visible		
Remarks:	N/A		



Distance:	252.8 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	Drop		

Pipe Eyes
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PIPE EYES

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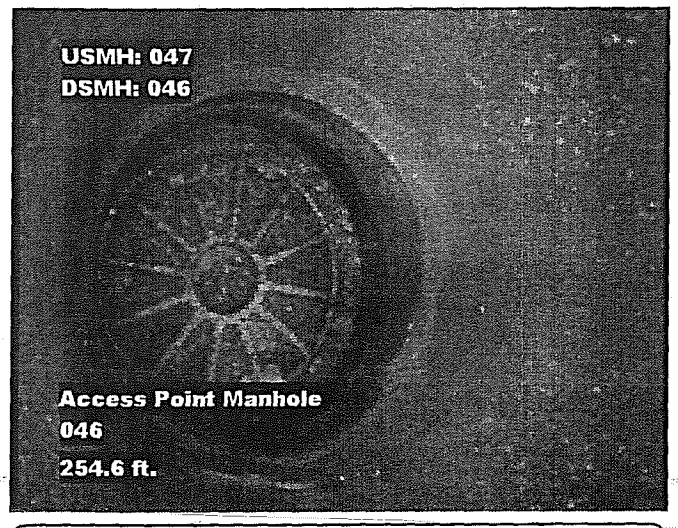
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
047_046	Hillview	Bally Castle	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
047			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
046	254.6		8	8		



Distance: 254.6 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 046

Pipe Eyes
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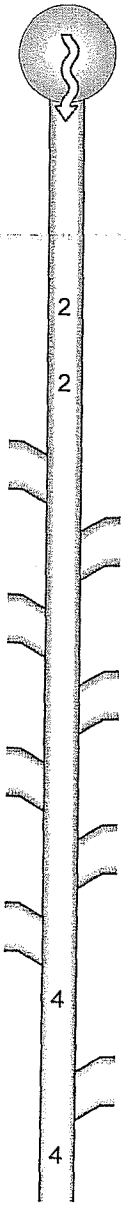
Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
029_044	Hillview	Bigoak	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
029			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
044	340.8		8	8		

SPR	7	MPR	112	PO Number	Customer: City of Hillview
SPRI	2.3	MPRI	2	Work Order	Purpose: Capital Improvement Program As...
QSR	4121	QMR	2J00		

OPR	Surveyed By	Direction	Date	Media label
119	Bunch	Downstream	20130617	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
2		Jetting	11:49	Dry
Date Cleaned			End Time	Additional Info
20130617			12:07	



0.0 ft.	Access Point Manhole	
0.0 ft.	Water Level	
2.3 ft.	Fracture Circumferential	
59.4 ft.	Water Level Sag - S01	
75.4 ft.	Tap Factory Made	
97.2 ft.	Tap Factory Made	
129.0 ft.	Tap Factory Made	
150.8 ft.	Tap Factory Made	
182.5 ft.	Tap Factory Made	
214.3 ft.	Tap Factory Made	
247.9 ft.	Tap Factory Made	
273.7 ft.	Repair Point Defective - S02	Offset
277.1 ft.	Tap Factory Made	
278.6 ft.	Repair Point Defective - F02	Offset

Pipe Eyes
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Defect Listing Plot

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
029_044	Hillview	Bigoak	Vitrified Clay Pipe	Light High...	Sanitary

Upstream MH	Total Length	Year Laid	Shape	Location Details
029			Circular	

DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
044	340.8		8	8		

SPR	7	MPR	112	PO Number	Customer
SPRI	2.3	MPRI	2		City of Hillview
QSR	4121	QMR	2J00	Work Order	Purpose: Capital Improvement Program As...

OPR	Surveyed By	Direction	Date	Media label
119	Bunch	Downstream	20130617	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
2		Jetting	11:49	Dry	

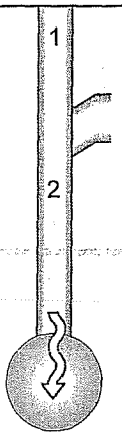
Date Cleaned	End Time	Additional Info
20130617	12:07	

278.8 ft. Crack Circumferential

333.4 ft. Tap Factory Made Active

340.8 ft. Water Level Sag - F01

340.8 ft. Access Point Manhole



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PIPE EYES

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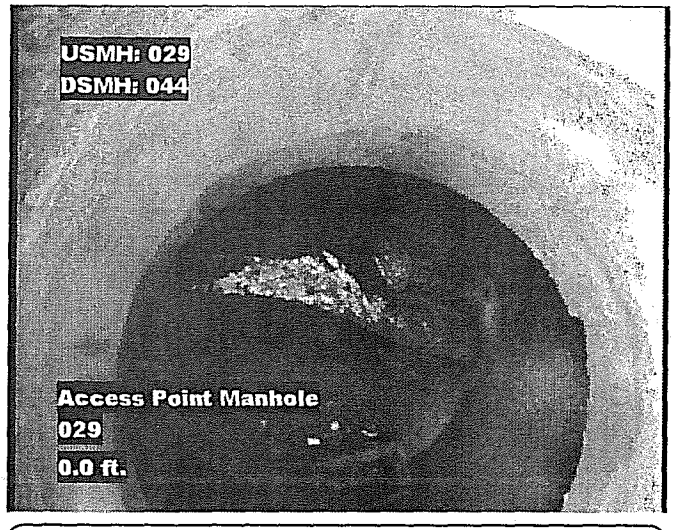
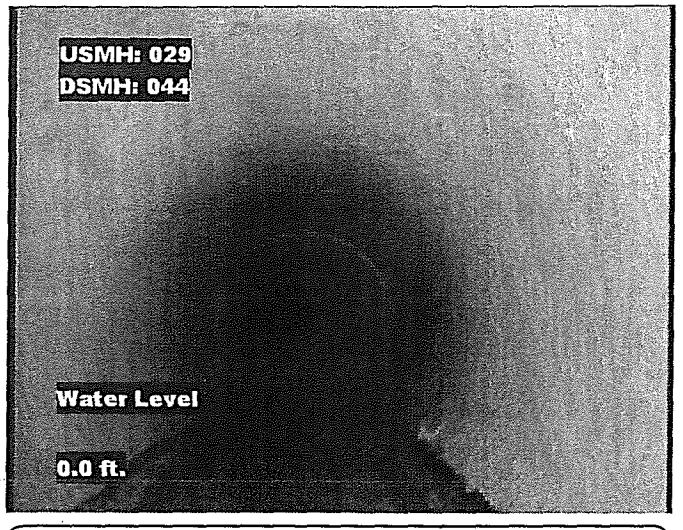
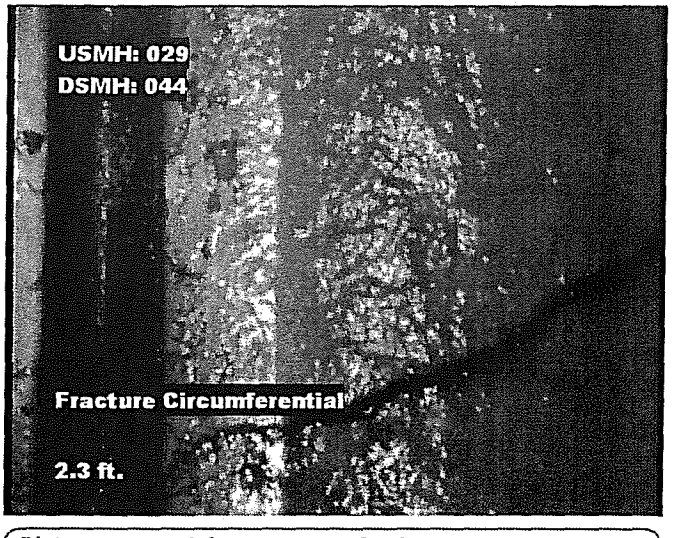
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
029_044	Hillview	Bigoak	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
029			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
044	340.8		8	8		



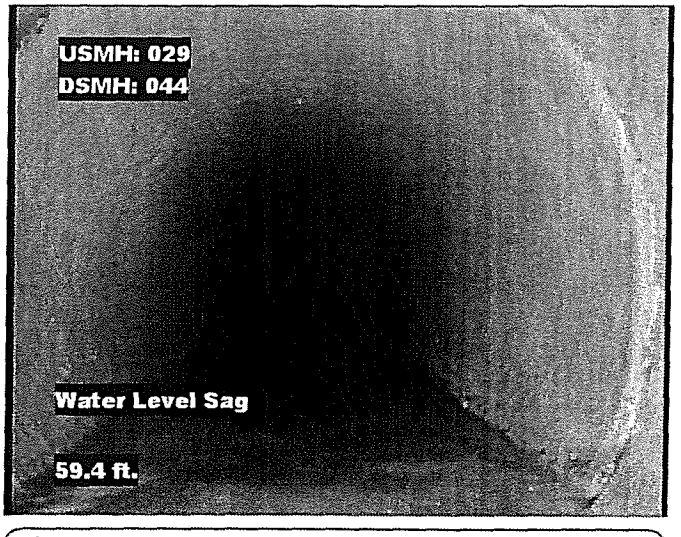
Distance:	0.0 ft.	**Grade:**	0
Condition:	Access Point Manhole		
Remarks:	029		



Distance:	0.0 ft.	**Grade:**	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	2.3 ft.	**Grade:**	2
Condition:	Fracture Circumferential		
Remarks:	N/A		



Distance:	59.4 ft.	**Grade:**	2
Condition:	Water Level Sag		
Remarks:	N/A		

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PIPE EYES

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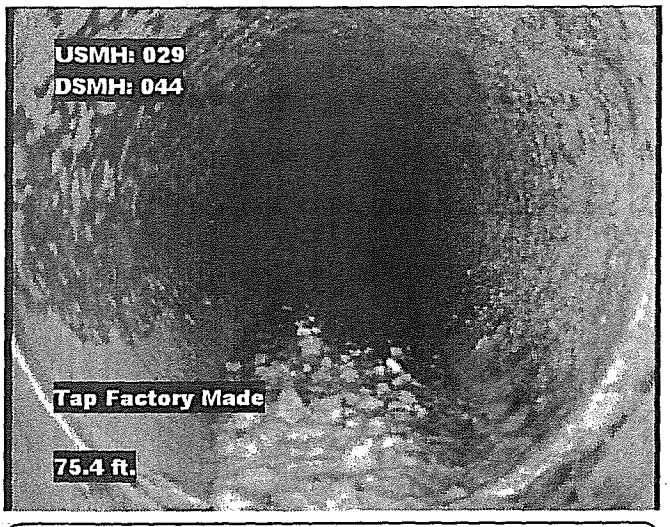
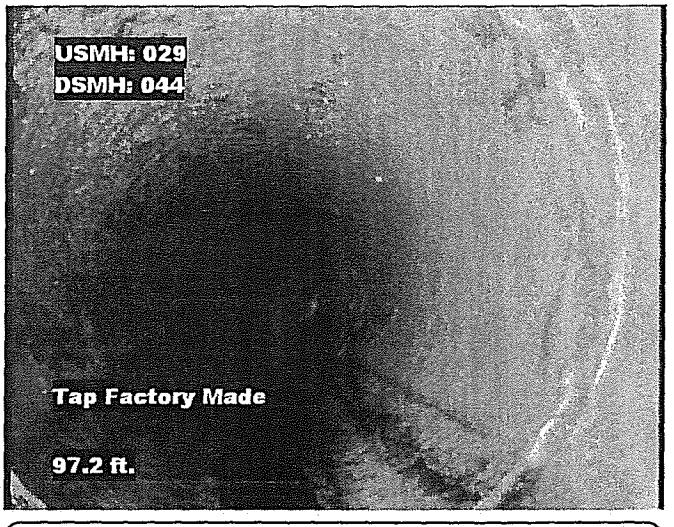
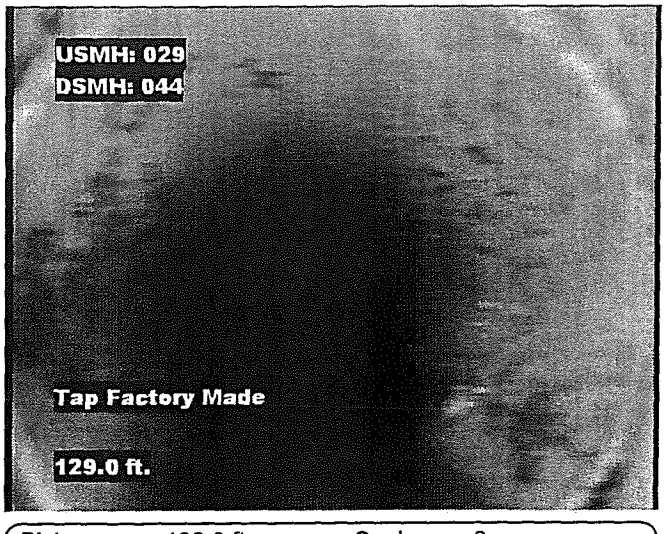
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
029_044	Hillview	Bigoak	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
029			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
044	340.8		8	8		



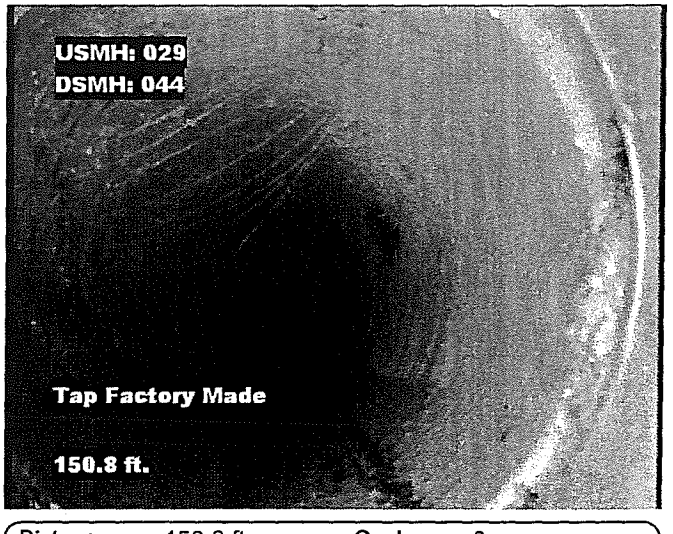
Distance: 75.4 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 97.2 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 129.0 ft Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 150.8 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

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PIPE EYES

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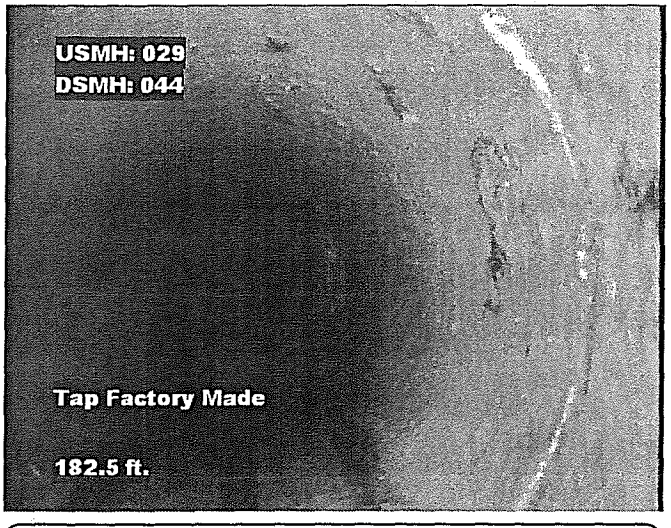
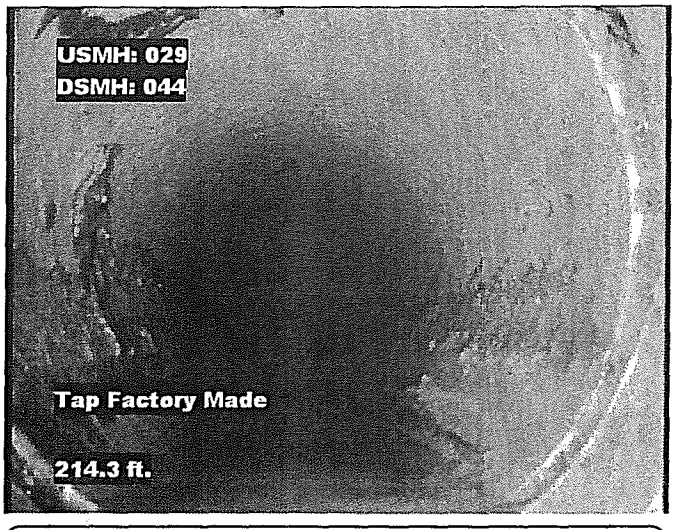
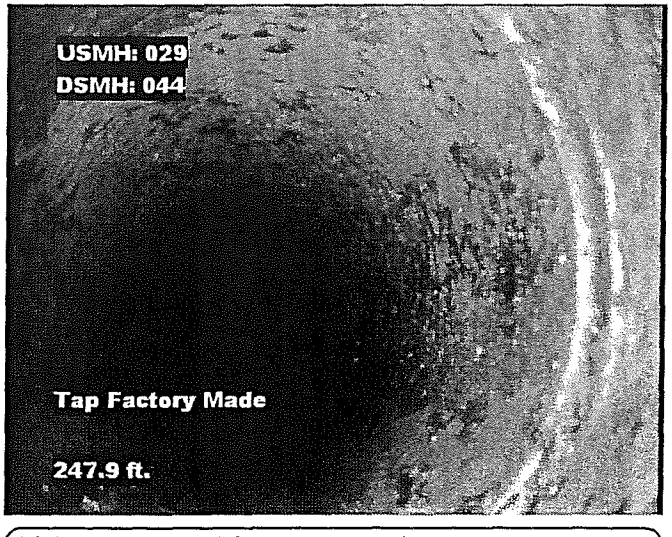
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
029_044	Hillview	Bigoak	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
029			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
044	340.8		8	8		



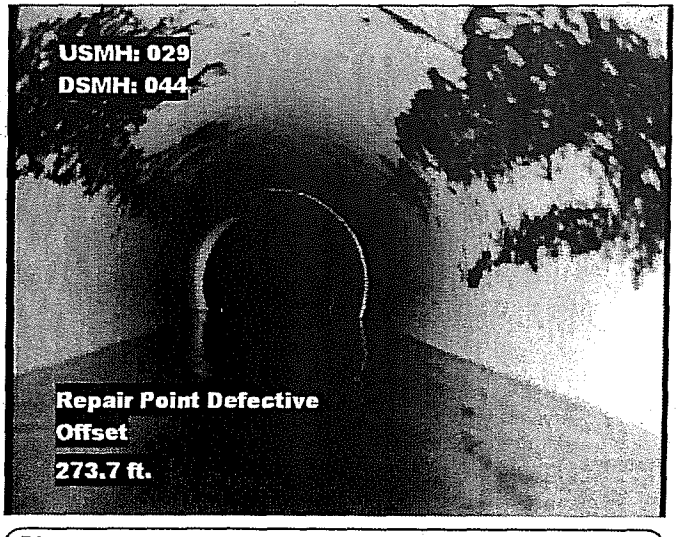
Distance: 182.5 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 214.3 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 247.9 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 273.7 ft. **Grade:** 4
Condition: Repair Point Defective
Remarks: Offset

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PIPE EYES

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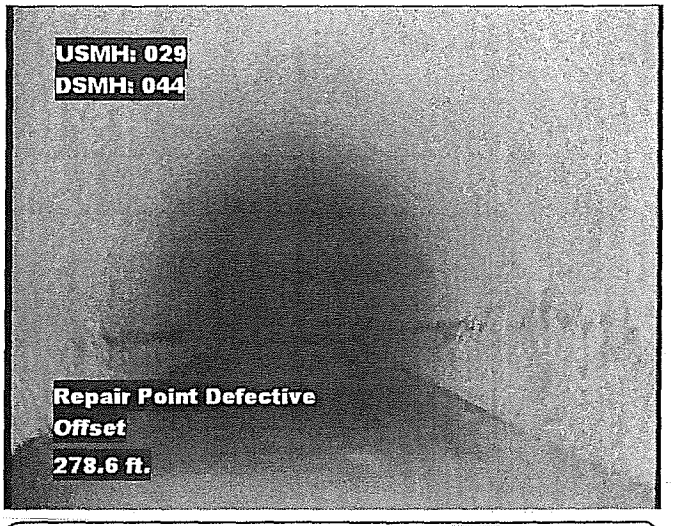
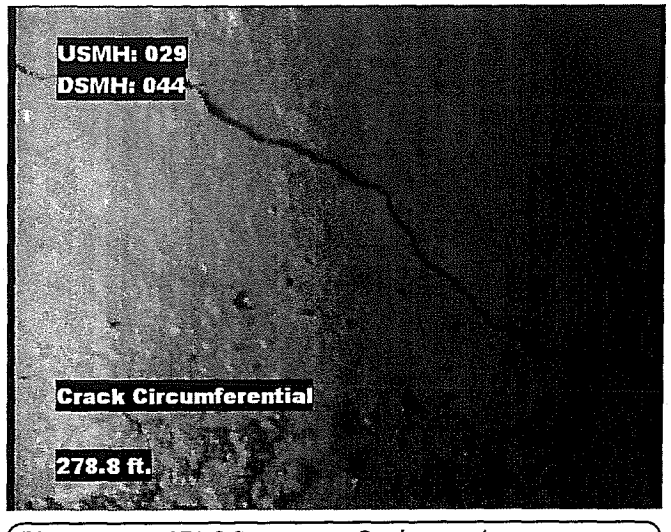
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
029_044	Hillview	Bigoak	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
029			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
044	340.8		8	8		

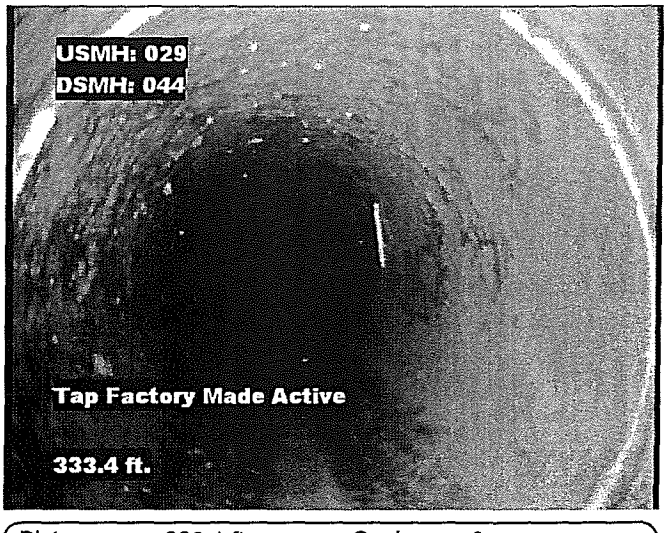
Distance: 277.1 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 278.6 ft. Grade: 4
Condition: Repair Point Defective
Remarks: Offset



Distance: 278.8 ft. Grade: 1
Condition: Crack Circumferential
Remarks: N/A



Distance: 333.4 ft. Grade: 0
Condition: Tap Factory Made Active
Remarks: N/A

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PIPE EYES

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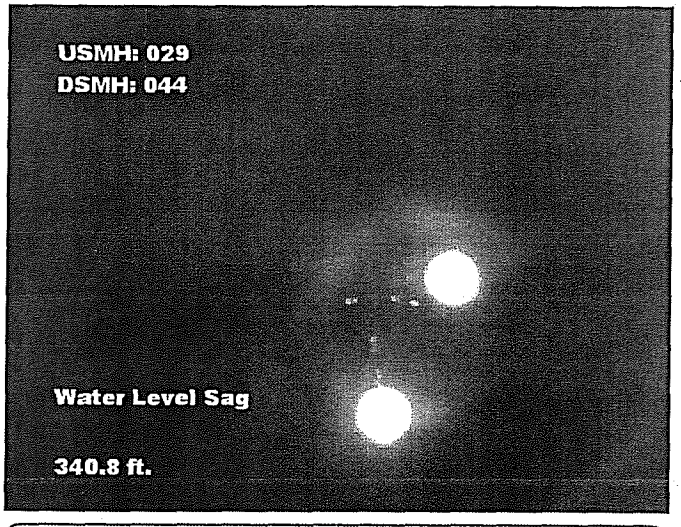
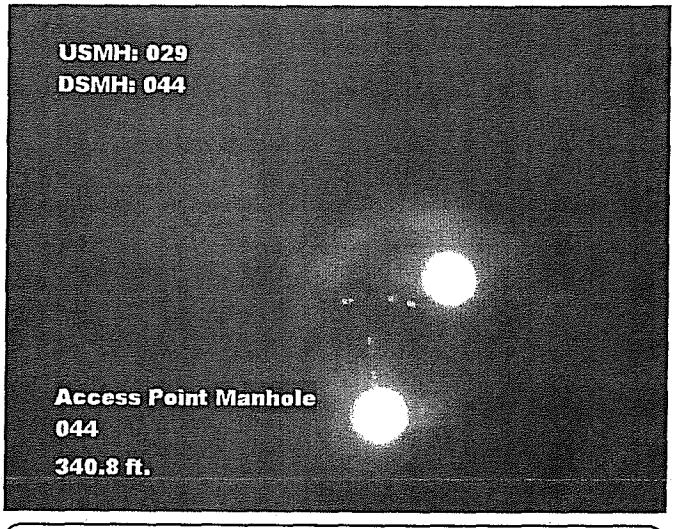
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
029_044	Hillview	Bigoak	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
029			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
044	340.8		8	8		



Distance: 340.8 ft. **Grade:** 2
Condition: Water Level Sag
Remarks: N/A



Distance: 340.8 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 044

Pipe Eyes
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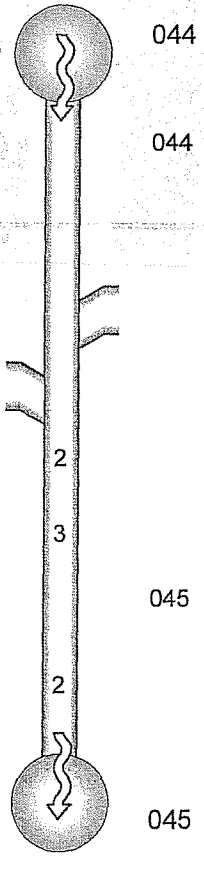
Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
044_045	Hillview	Bigoak	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
044			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
045	148.4		8	8		

SPR	3	MPR	16	PO Number	Customer: City of Hillview
SPRI	3	MPRI	2	Work Order	Purpose: Capital Improvement Program As...
QSR	3100	QMR	2800		
OPR		Surveyed By		Direction	Date	Media label
19		Bunch		Downstream	20130617	1
OPRI		Certificate Number		Pre-Cleaning	Time	Weather
2.1				Jetting	12:19	Dry
Date Cleaned					End Time	Additional Info
20130617					13:41	

0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
44.9 ft.	Tap Factory Made
52.3 ft.	Tap Factory Made Active
106.6 ft.	Water Level Sag - S01
130.9 ft.	Fracture Longitudinal
148.4 ft.	Access Point Manhole
148.4 ft.	Water Level Sag - F01



Pipe Eyes
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PIPE EYES

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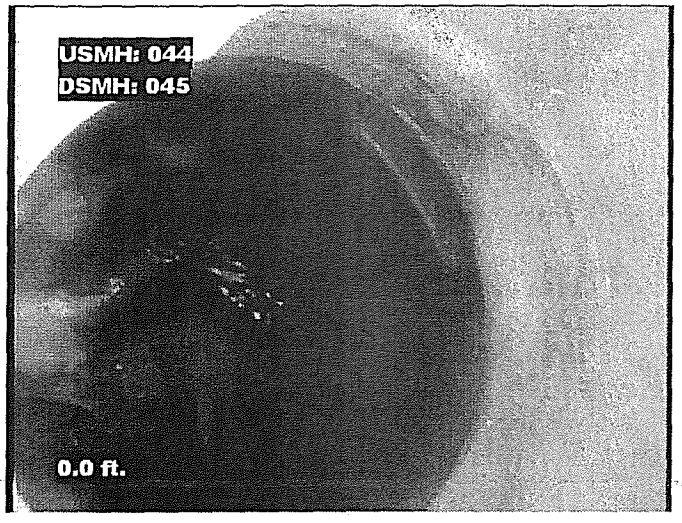
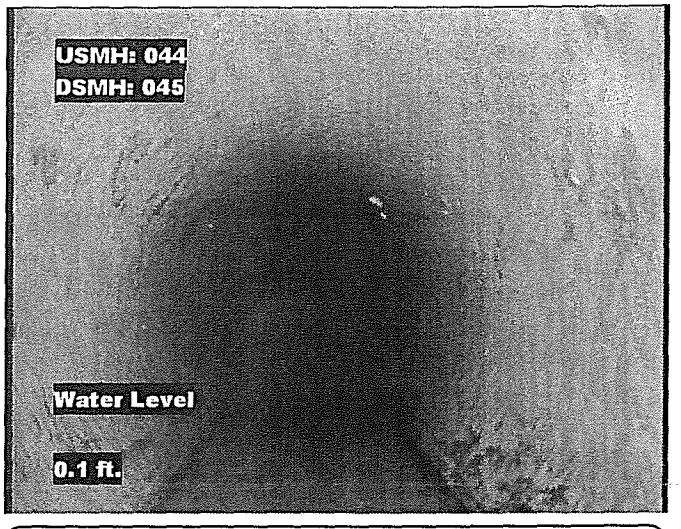
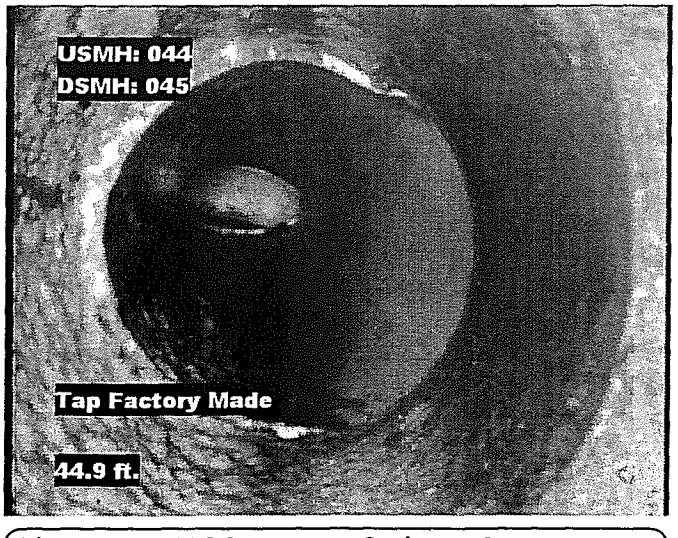
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
044_045	Hillview	Bigoak	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
044			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
045	148.4		8	8		



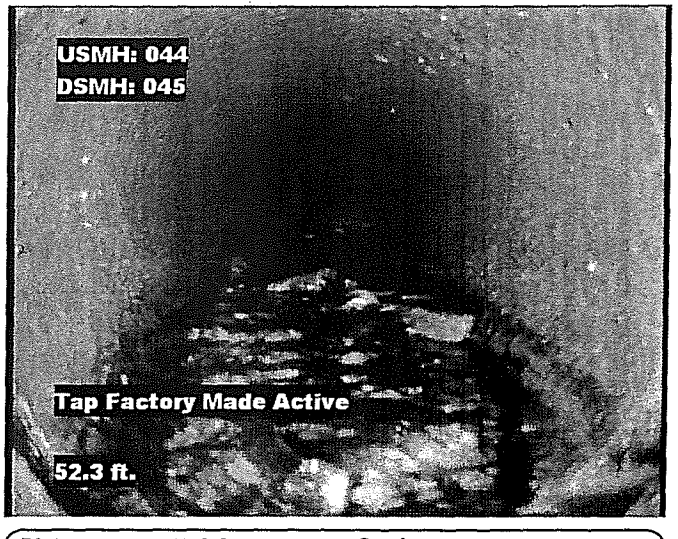
Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: 044



Distance: 0.0 ft. Grade: 0
Condition: Water Level
Remarks: N/A



Distance: 44.9 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 52.3 ft. Grade: 0
Condition: Tap Factory Made Active
Remarks: N/A

PIPE EYES

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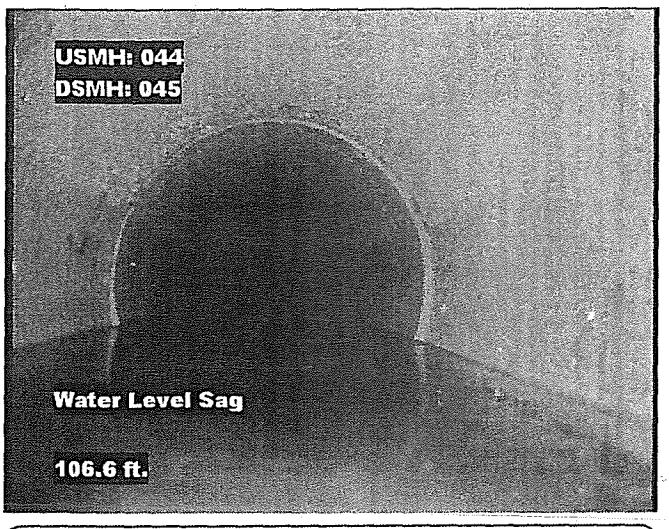
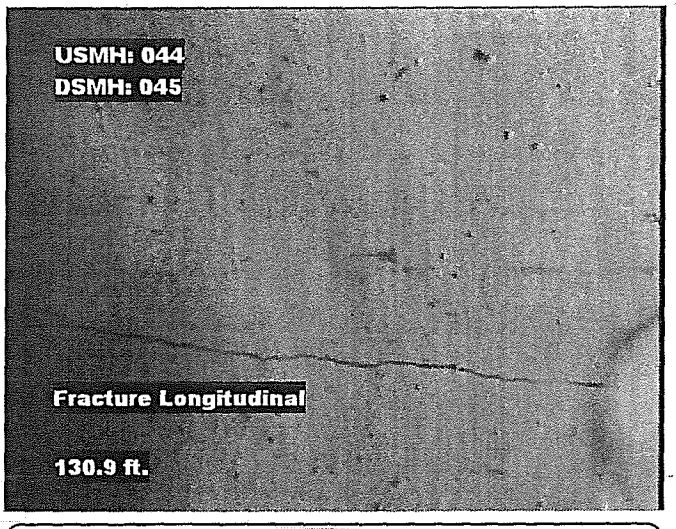
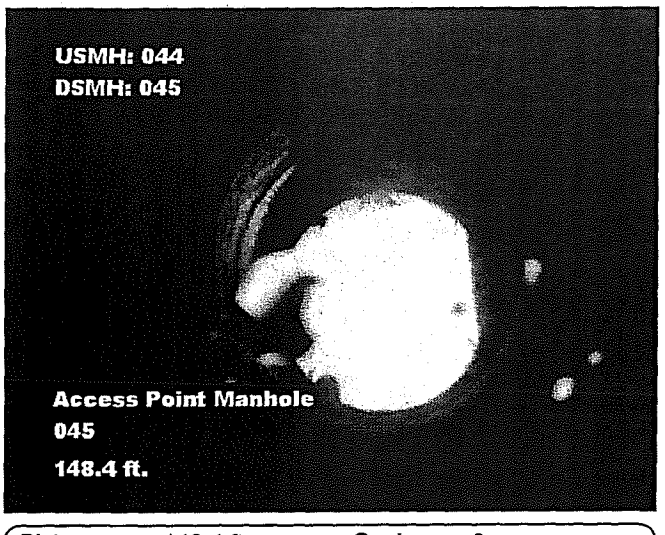
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
044_045	Hillview	Bigoak	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
044			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
045	148.4		8	8		



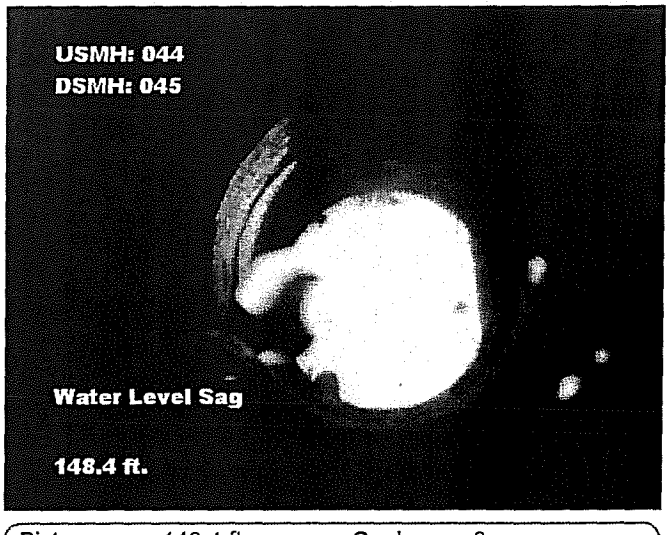
Distance: 106.6 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



Distance: 130.9 ft. Grade: 3
Condition: Fracture Longitudinal
Remarks: N/A



Distance: 148.4 ft. Grade: 0
Condition: Access Point Manhole
Remarks: 045



Distance: 148.4 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A

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PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
045_046	Hillview	Bigoak	Vitrified Clay Pipe	Light High...	Sanitary

Upstream MH	Total Length	Year Laid	Shape	Location Details
045			Circular	

DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
046	41		8	8	

SPR	N/A	MPR	N/A	PO Number	Customer
SPRI	N/A	MPRI	N/A		City of Hillview
QSR	N/A	QMR	N/A	Work Order	Purpose: Capital Improvement Program As...

OPR	Surveyed By	Direction	Date	Media label
N/A	Bunch	Downstream	20130617	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather
N/A		Jetting	13:43	Dry

Date Cleaned	End Time	Additional Info
20130617	14:04	

0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
22.4 ft.	Tap Factory Made Capped
41.0 ft.	Access Point Manhole

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PIPE EYES

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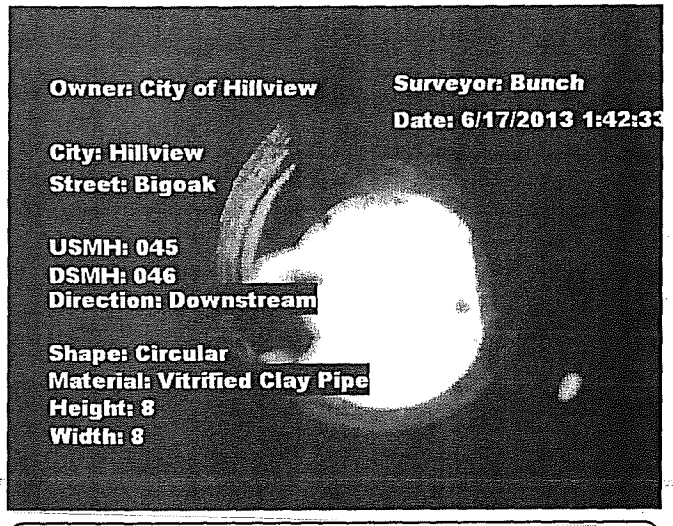
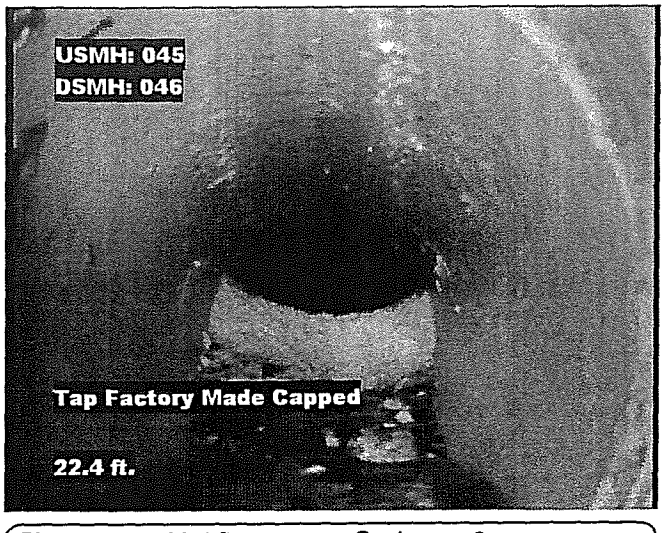
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
045_046	Hillview	Bigoak	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
045			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
046	41		8	8		

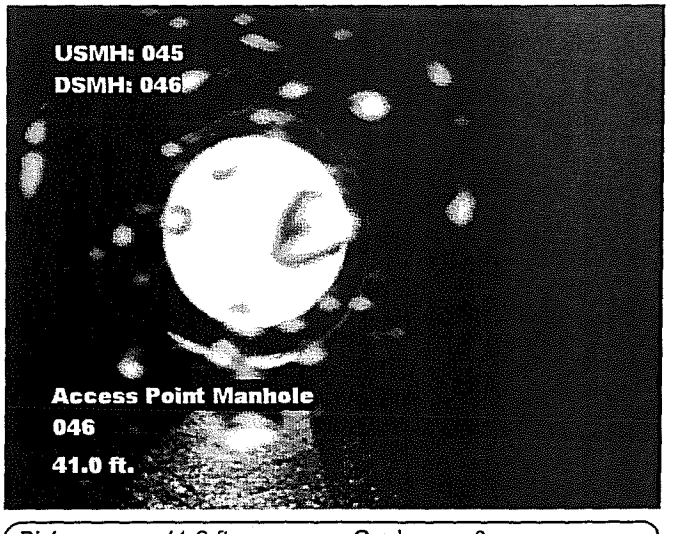


Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	045		

Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	22.4 ft.	Grade:	0
Condition:	Tap Factory Made Capped		
Remarks:	N/A		



Distance:	41.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	046		

Pipe Eyes
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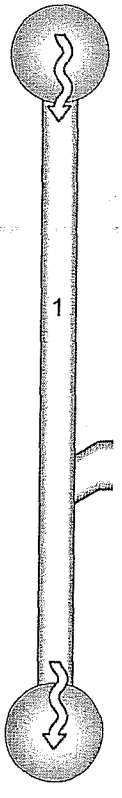
Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
046_048	Hillview	Bigoak	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
046			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
048	133.6		8	8		

SPR	1	MPR	N/A	PO Number	Customer: City of Hillview
SPRI	0.5	MPRI	N/A	Work Order	Purpose: Capital Improvement Program As...
QSR	1100	QMR	N/A		

OPR	Surveyed By	Direction	Date	Media label
1	Bunch	Downstream	20130617	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
0.5		Jetting	14:06	Dry
Date Cleaned			End Time	Additional Info
20130617			14:50	

0.0 ft.	Access Point Manhole	046
0.0 ft.	Water Level	
3.8 ft.	Crack Circumferential	
19.6 ft.	Repair Point Pipe Replaced - S01	pvC
23.1 ft.	Tap Factory Made	
26.4 ft.	Repair Point Pipe Replaced - F01	pvC
133.6 ft.	Access Point Manhole	048



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PIPE EYES

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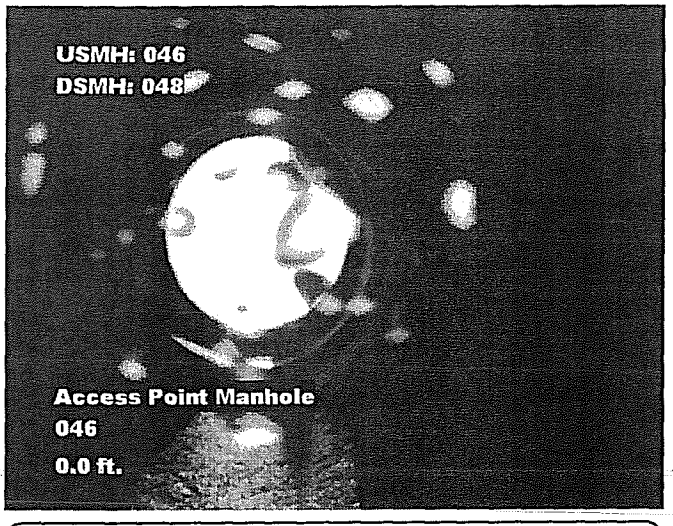
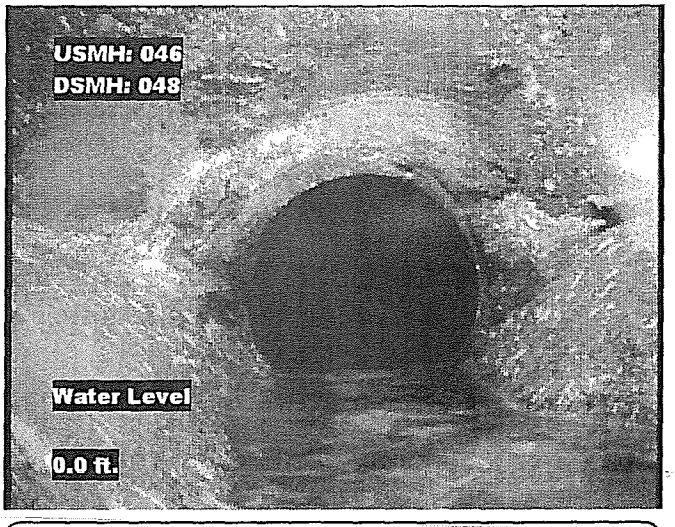
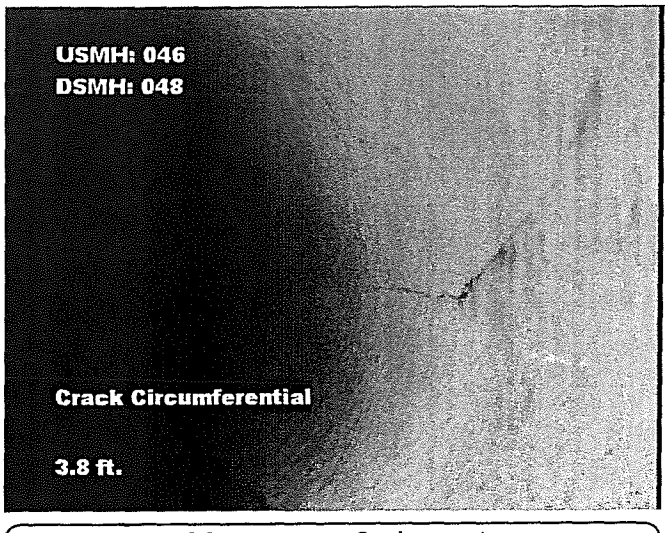
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
046_048	Hillview	Bigoak	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
046			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
048	133.6		8	8		



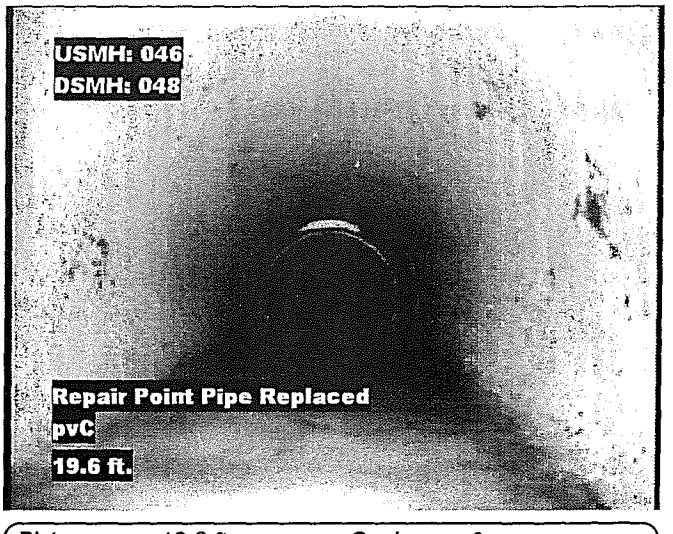
Distance:	0.0 ft.	**Grade:**	0
Condition:	Access Point Manhole		
Remarks:	046		



Distance:	0.0 ft.	**Grade:**	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	3.8 ft.	**Grade:**	1
Condition:	Crack Circumferential		
Remarks:	N/A		



Distance:	19.6 ft.	**Grade:**	0
Condition:	Repair Point Pipe Replaced		
Remarks:	pvC		

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PIPE EYES

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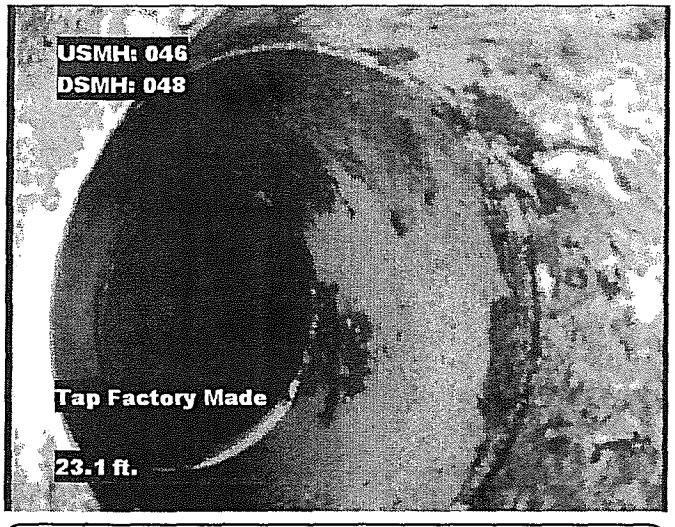
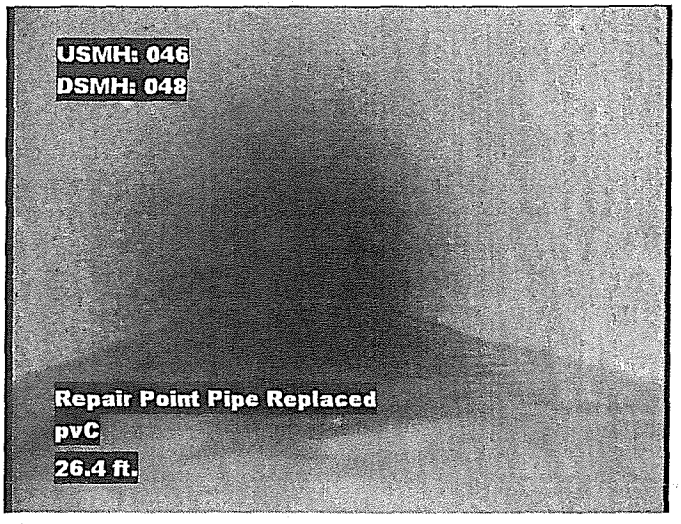
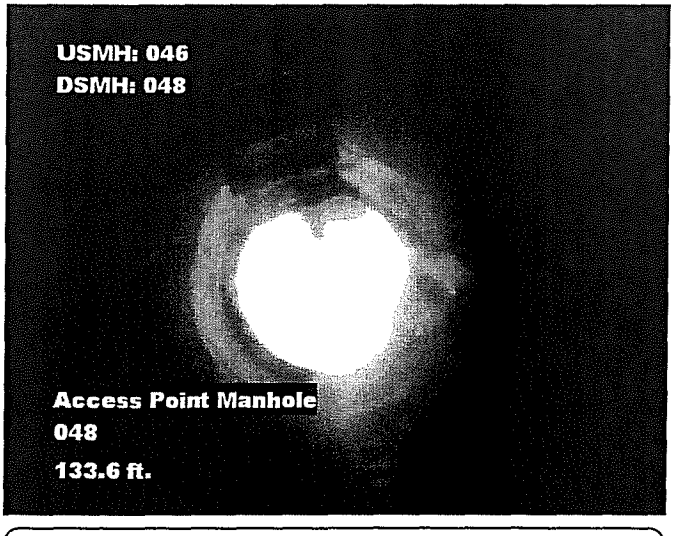
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
046_048	Hillview	Bigoak	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
046			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
048	133.6		8	8		



Distance: 23.1 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 26.4 ft. **Grade:** 0
Condition: Repair Point Pipe Replaced
Remarks: pvC



Distance: 133.6 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 048

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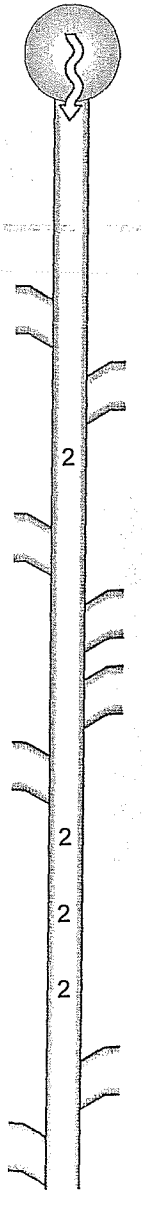
Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
040_048	Hillview	Bigoak	Vitrified Clay Pipe		Light High...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
040			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
048	397.8		8	8		

SPR	N/A	MPR	88	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	2	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	2G00		

OPR	Surveyed By	Direction	Date	Media label
88	Bunch	Downstream	20130617	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
2		Jetting	15:05	Dry
Date Cleaned			End Time	Additional Info
20130617			15:21	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
25.3 ft.	Tap Factory Made
27.4 ft.	Tap Factory Made Active
73.3 ft.	Water Level Sag - S01
78.9 ft.	Tap Factory Made Active
105.7 ft.	Tap Factory Made Active
256.0 ft.	Tap Factory Made
258.1 ft.	Tap Factory Made
282.3 ft.	Water Level Sag - F01
316.3 ft.	Water Level Sag - S02
327.4 ft.	Water Level Sag - F02
334.8 ft.	Tap Factory Made
336.7 ft.	Tap Factory Made

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Defect Listing Plot

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
040_048	Hillview	Bigoak	Vitrified Clay Pipe	Light High...	Sanitary

Upstream MH	Total Length	Year Laid	Shape	Location Details
040			Circular	

DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
048	397.8		8	8	

SPR	N/A	MPR	88	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	2	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	2G00		

OPR	Surveyed By	Direction	Date	Media label
88	Bunch	Downstream	20130617	1

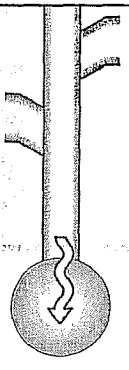
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
2		Jetting	15:05	Dry

Date Cleaned	End Time	Additional Info
20130617	15:21	

383.0 ft. Tap Factory Made

396.0 ft. Tap Factory Made Active

397.8 ft. Access Point Manhole



Drop

048

048

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PIPE EYES

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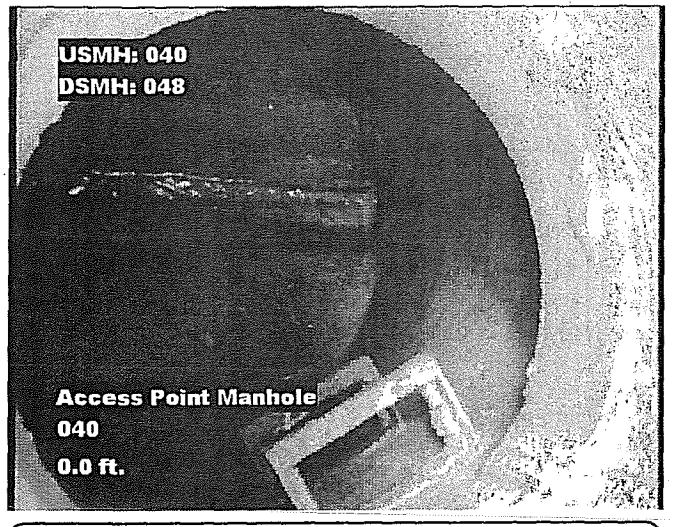
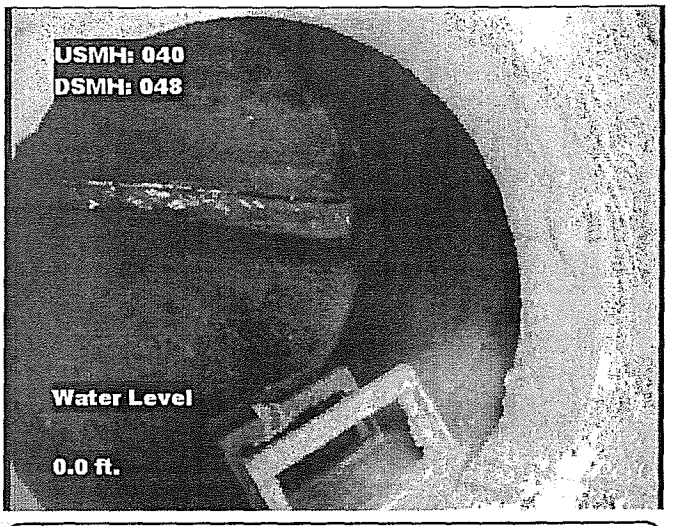
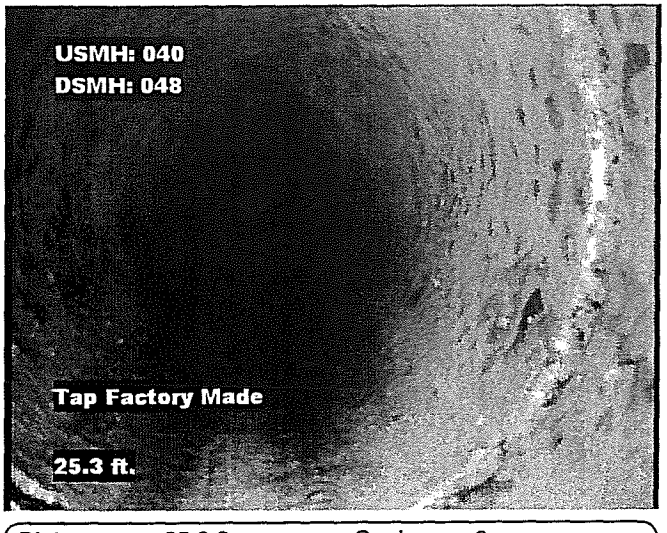
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
040_048	Hillview	Bigoak	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
040			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
048	397.8		8	8		



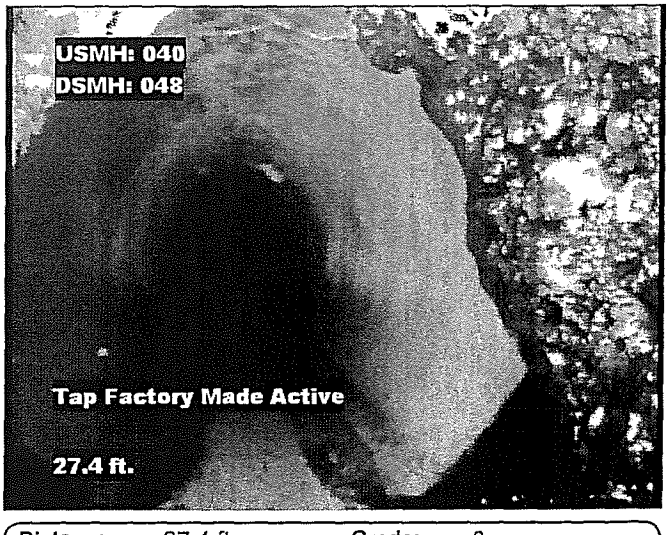
Distance: 0.0 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 040



Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A



Distance: 25.3 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 27.4 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A

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PIPE EYES

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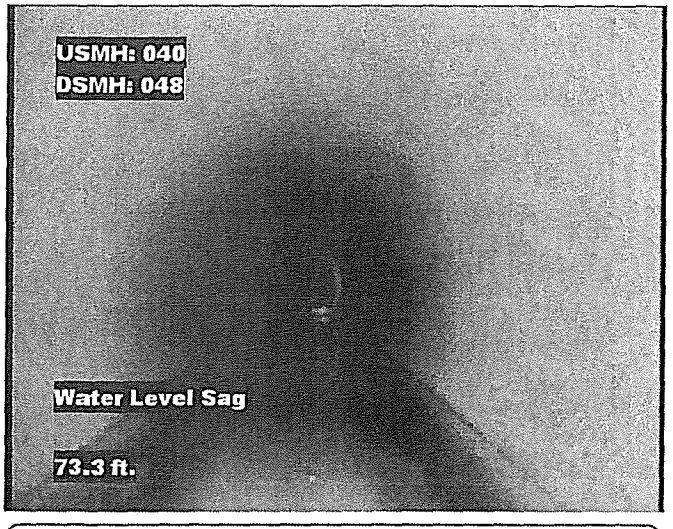
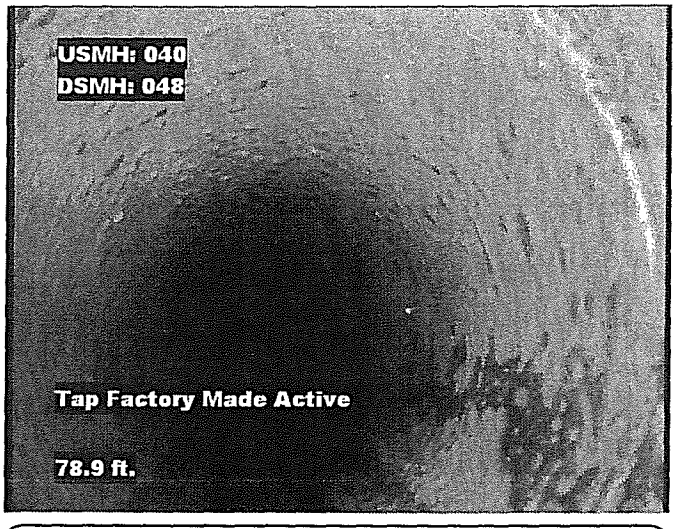
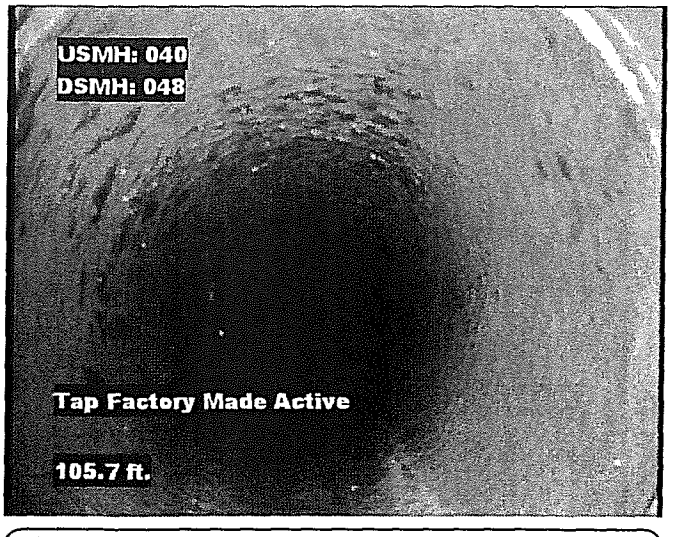
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
040_048	Hillview	Bigoak	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
040			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
048	397.8		8	8		



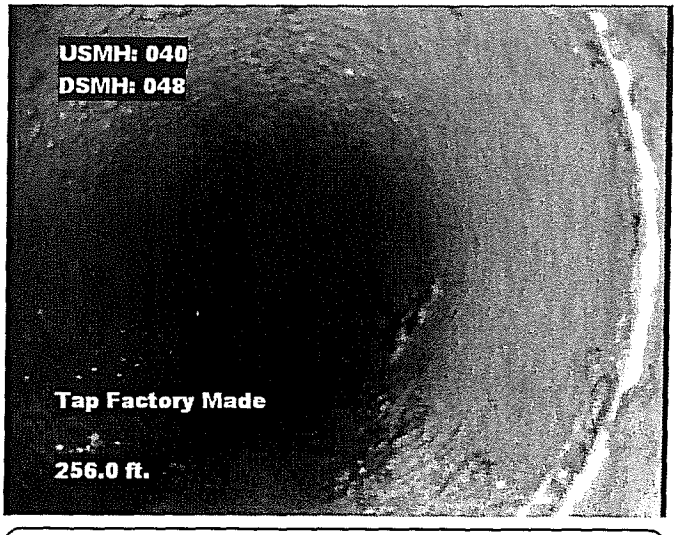
Distance:	73.3 ft.	Grade:	2
Condition:	Water Level Sag		
Remarks:	N/A		



Distance:	78.9 ft.	Grade:	0
Condition:	Tap Factory Made Active		
Remarks:	N/A		



Distance:	105.7 ft.	Grade:	0
Condition:	Tap Factory Made Active		
Remarks:	N/A		



Distance:	256.0 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		

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PIPE EYES

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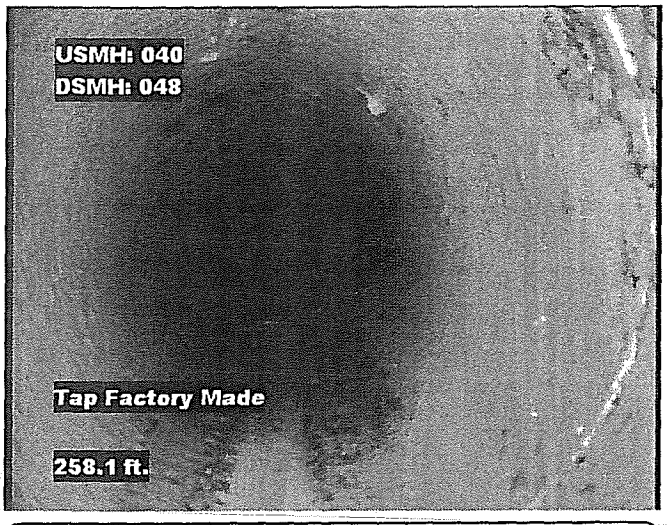
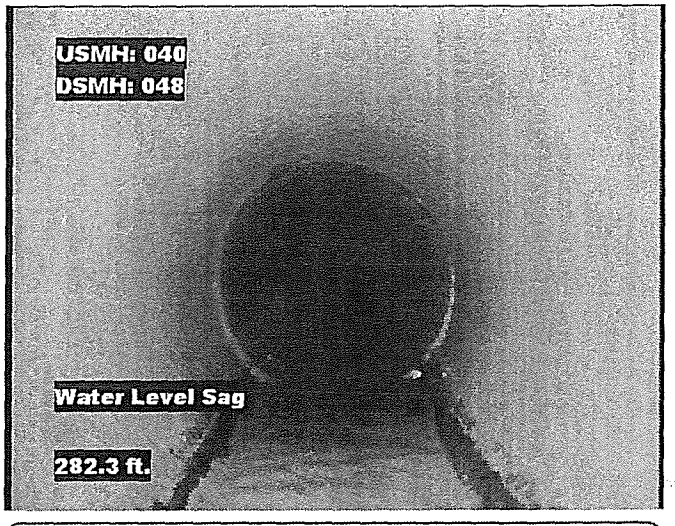
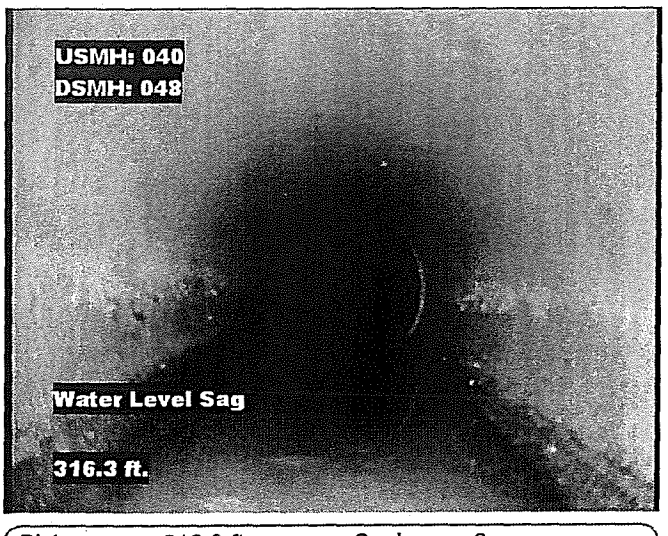
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
040_048	Hillview	Bigoak	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
040			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
048	397.8		8	8		



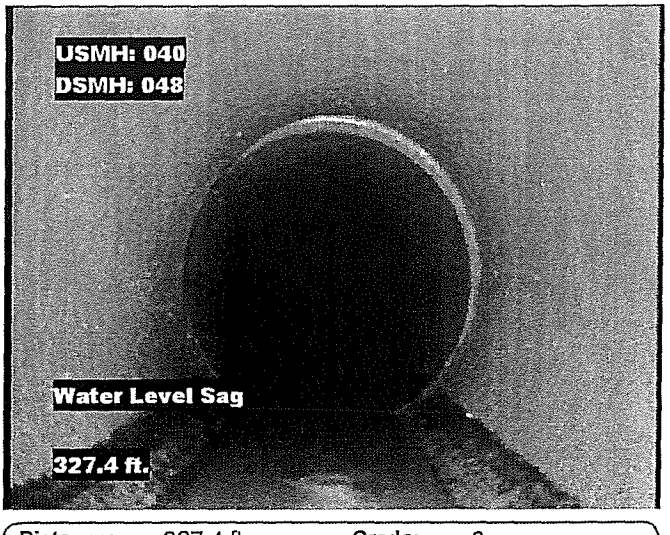
Distance:	258.1 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	282.3 ft.	Grade:	2
Condition:	Water Level Sag		
Remarks:	N/A		



Distance:	316.3 ft.	Grade:	2
Condition:	Water Level Sag		
Remarks:	N/A		



Distance:	327.4 ft.	Grade:	2
Condition:	Water Level Sag		
Remarks:	N/A		

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PIPE EYES

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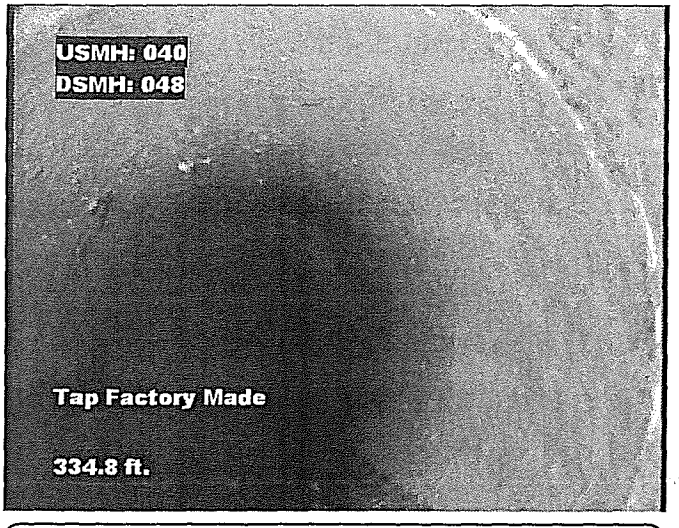
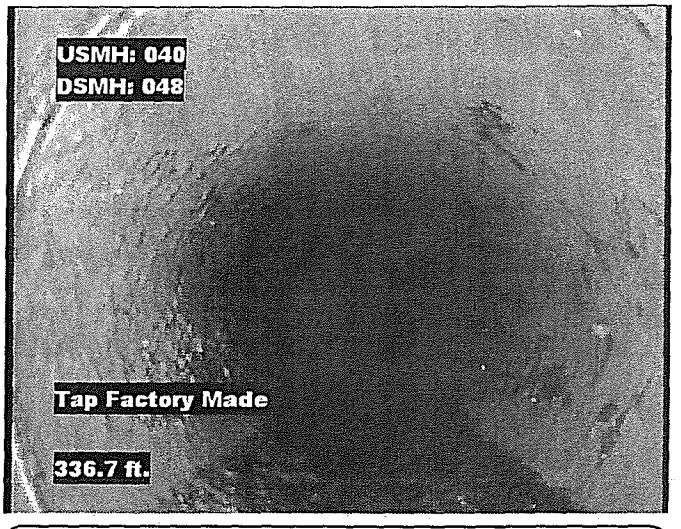
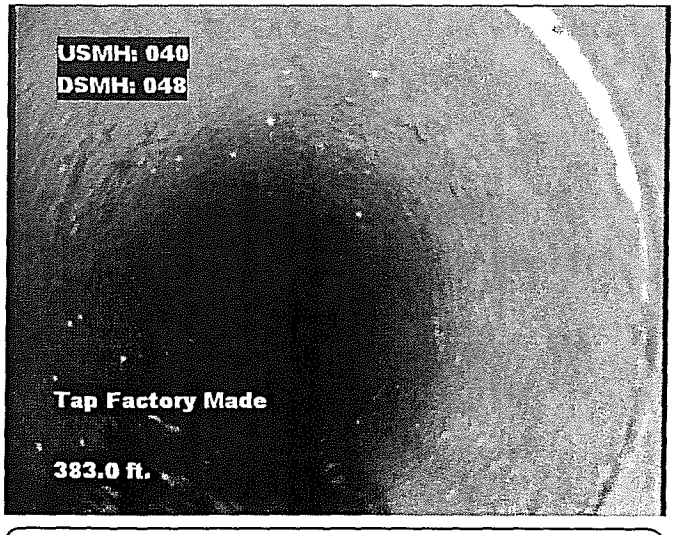
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
040_048	Hillview	Bigoak	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
040			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
048	397.8		8	8		



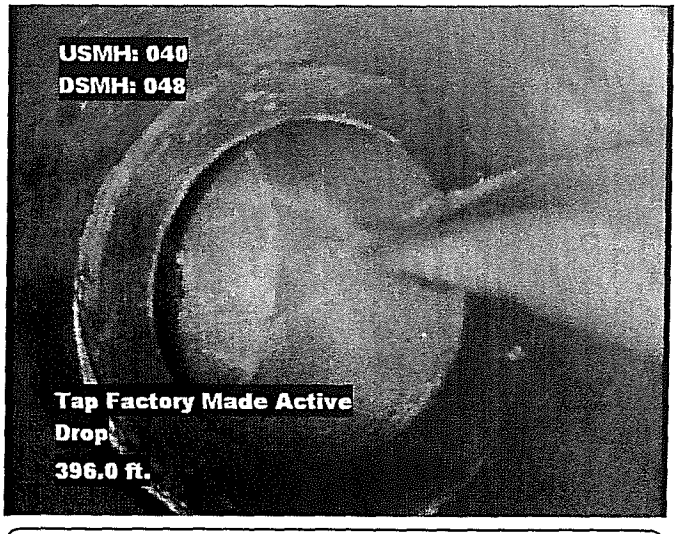
Distance:	334.8 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	336.7 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	383.0 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	396.0 ft.	Grade:	0
Condition:	Tap Factory Made Active		
Remarks:	Drop		

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PIPE EYES

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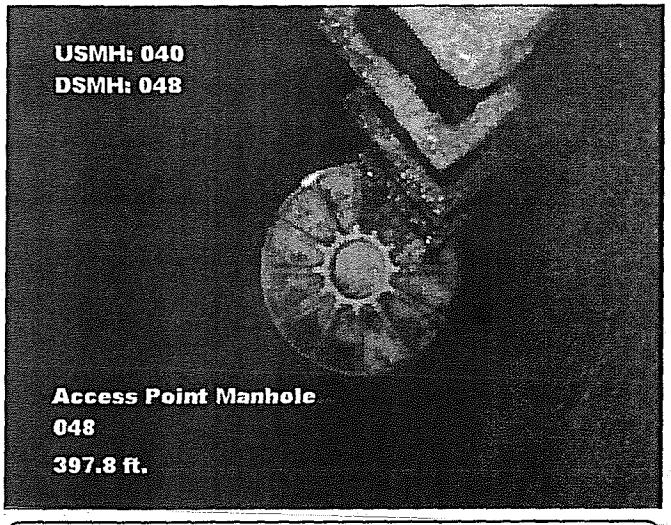
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
040_048	Hillview	Bigoak	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
040			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
048	397.8		8	8		



Distance:	397.8 ft.	**Grade:**	0
Condition:	Access Point Manhole		
Remarks:	048		

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PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
049_050	Hillview	Bigoak	Vitrified Clay Pipe	Light High...	Sanitary

Upstream MH	Total Length	Year Laid	Shape	Location Details
049			Circular	

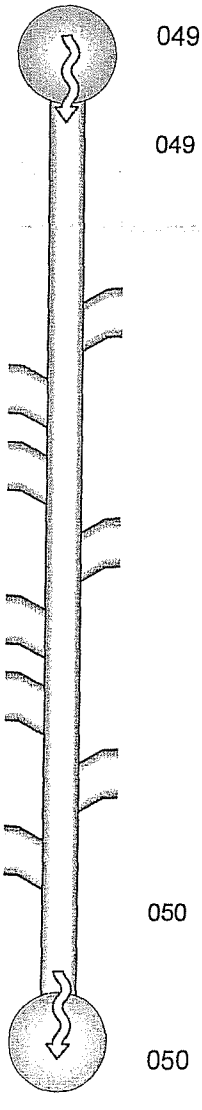
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
050	288.4		8	8		

SPR	N/A	MPR	N/A	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	N/A	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	N/A		

OPR	Surveyed By	Direction	Date	Media label
N/A	Bunch	Downstream	20130617	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A		Jetting	15:38	Dry	

Date Cleaned	End Time	Additional Info
20130617	15:51	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
10.1 ft.	Tap Factory Made
52.0 ft.	Tap Factory Made
94.0 ft.	Tap Factory Made
125.6 ft.	Tap Factory Made
171.8 ft.	Tap Factory Made
237.7 ft.	Tap Factory Made
239.8 ft.	Tap Factory Made
281.1 ft.	Tap Factory Made
288.4 ft.	Access Point Manhole

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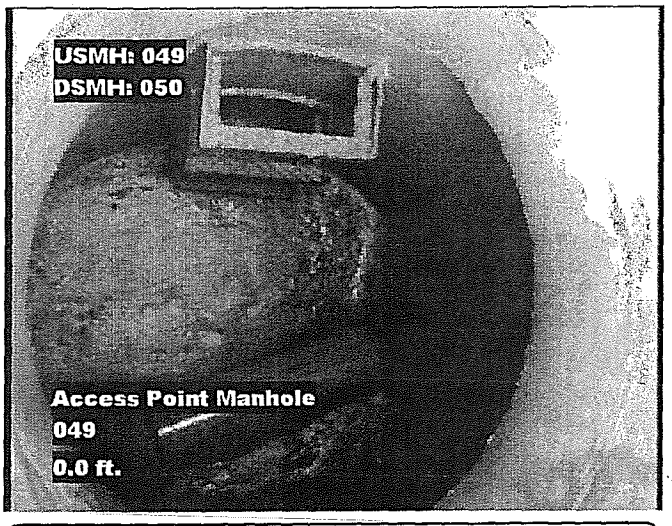
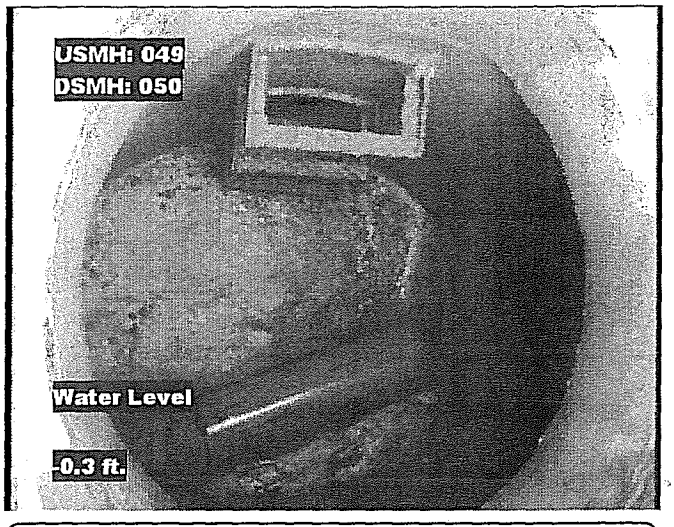
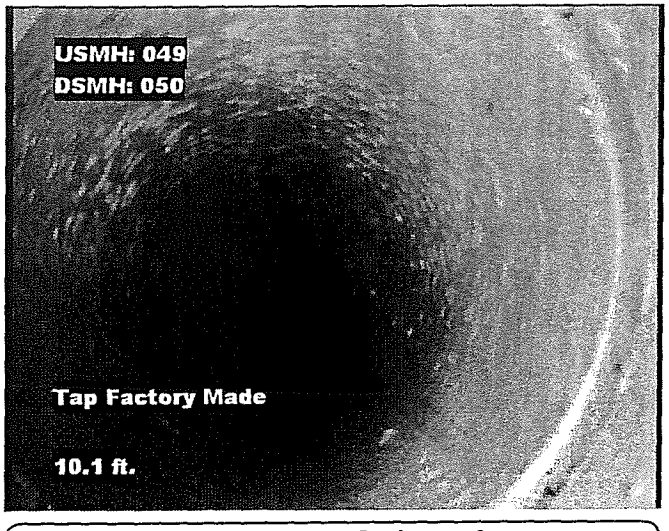
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
049_050	Hillview	Bigoak	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
049			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
050	288.4		8	8		



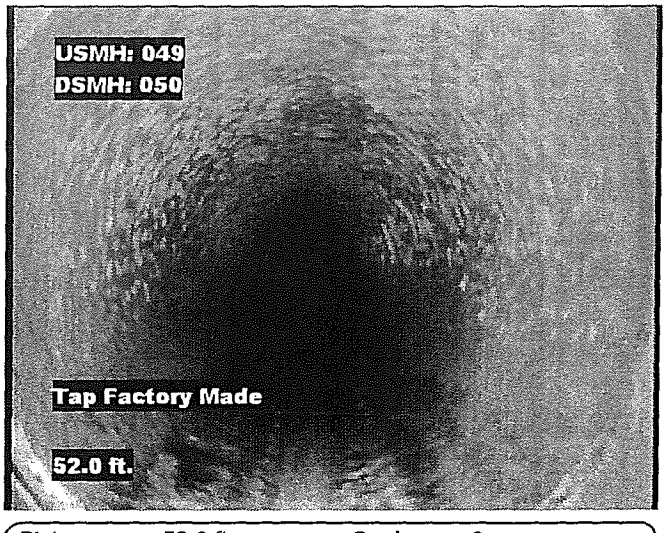
Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	049		



Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	10.1 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	52.0 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		

Pipe Eyes
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PIPE EYES

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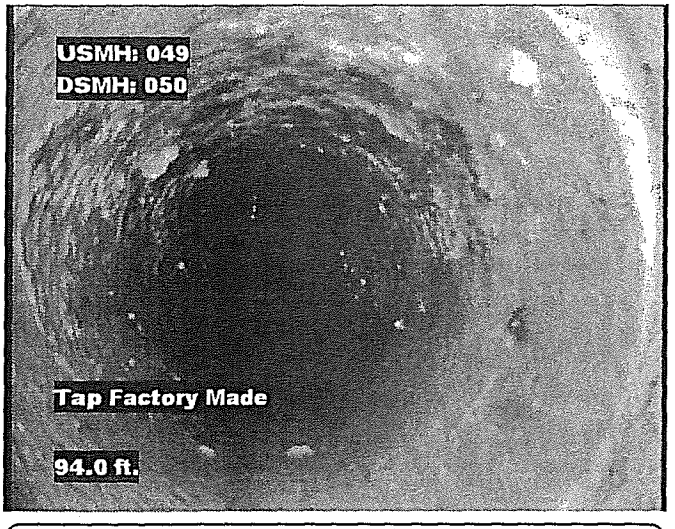
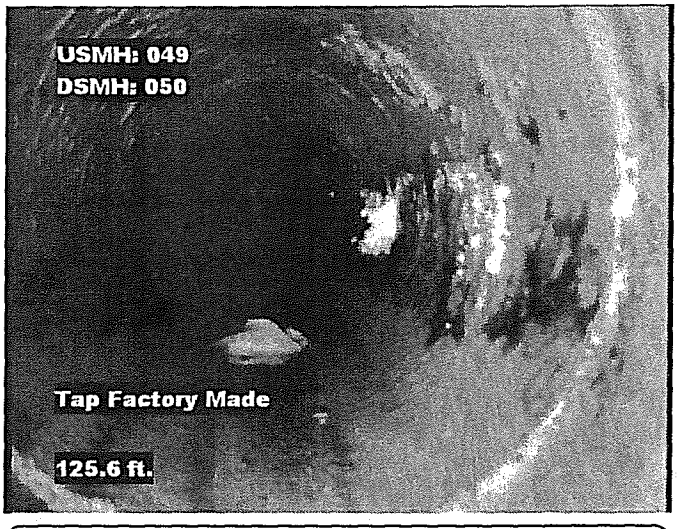
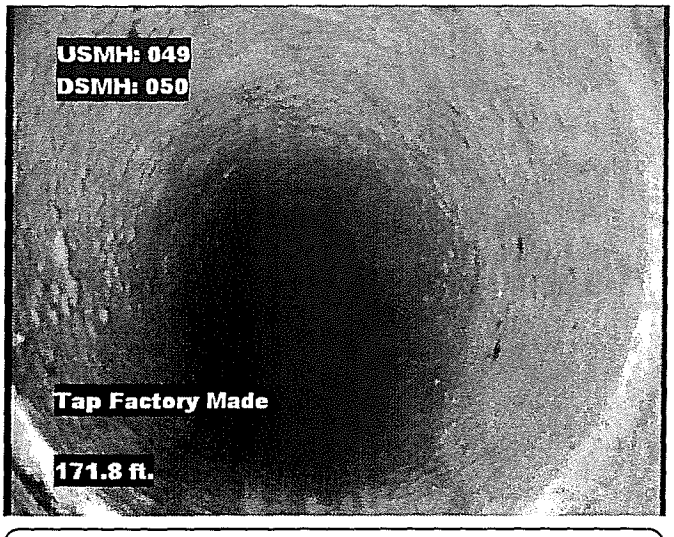
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
049_050	Hillview	Bigoak	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
049			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
050	288.4		8	8		



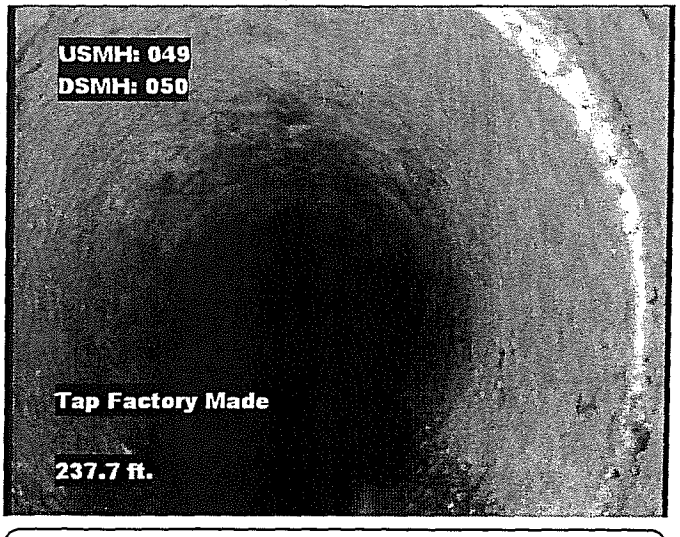
Distance:	94.0 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	125.6 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	171.8 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	237.7 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		

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PIPE EYES

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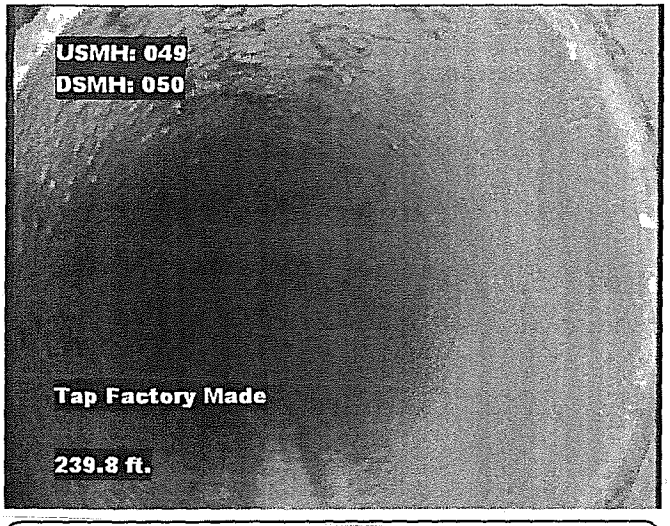
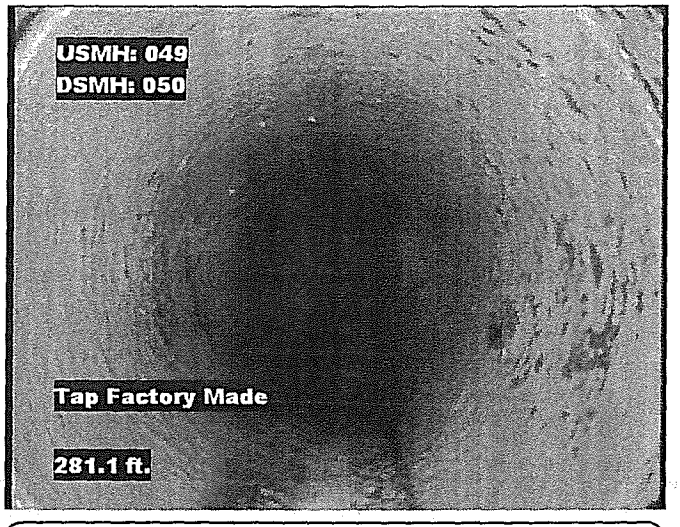
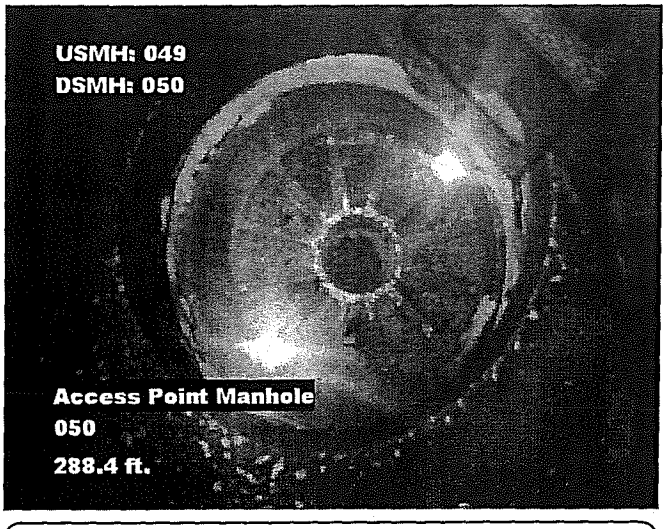
Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
049_050	Hillview	Bigoak	Vitrified Clay Pipe	Light High...	Sanitary
Upstream MH	**Total Length**	**Year Laid**	**Shape**	**Location Details**	
049			Circular		
DS Manhole	**Length surveyed**	**Year Renewed**	**Height / Width**	**Pipe Joint...**	
050	288.4		8 / 8		



Distance: 239.8 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 281.1 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 288.4 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 050

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Defect Listing Plot

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
050_051	Hillview	Bigoak	Vitrified Clay Pipe	Light High...	Sanitary

Upstream MH	Total Length	Year Laid	Shape	Location Details
050			Circular	

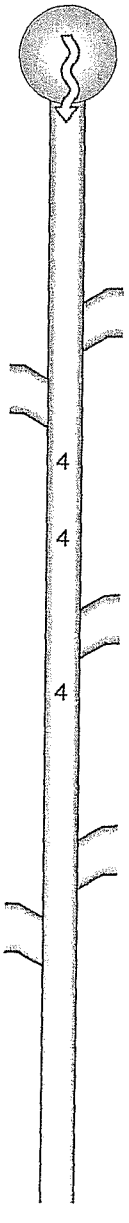
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
051	159.8		8	8		

SPR	4	MPR	4	PO Number	Customer
SPRI	4	MPRI	4		
QSR	4100	QMR	4100	Work Order	Purpose: Capital Improvement Program As...

OPR	Surveyed By	Direction	Date	Media label
8	Bunch	Downstream	20130617	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
4		Jetting	15:58	Dry	

Date Cleaned	End Time	Additional Info
20130617	16:08	



0.0 ft.	Access Point Manhole	050
0.0 ft.	Water Level	
27.6 ft.	Tap Factory Made	
29.8 ft.	Tap Factory Made	
40.5 ft.	Repair Point Defective - S01	Offset/ Seperated
40.5 ft.	Infiltration Runner	
44.5 ft.	Tap Factory Made	
45.8 ft.	Repair Point Defective - F01	Offset/ Seperated
49.7 ft.	Material Change	PVC
57.0 ft.	Tap Factory Made Capped	
58.9 ft.	Tap Factory Made	
69.6 ft.	Material Change	VCP
88.8 ft.	Material Change	PVC
94.3 ft.	Material Change	VCP

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PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
050_051	Hillview	Bigoak	Vitrified Clay Pipe	Light High...	Sanitary

Upstream MH	Total Length	Year Laid	Shape	Location Details
050			Circular	

DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
051	159.8		8	8		

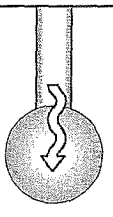
SPR	4	MPR	4	PO Number	Customer
SPRI	4	MPRI	4		
QSR	4100	QMR	4100	Work Order	Purpose: Capital Improvement Program As...

OPR	Surveyed By	Direction	Date	Media label
8	Bunch	Downstream	20130617	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
4		Jetting	15:58	Dry	

Date Cleaned	End Time	Additional Info
20130617	16:08	

159.8 ft. Access Point Manhole



051

051

Pipe Eyes
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PIPE EYES

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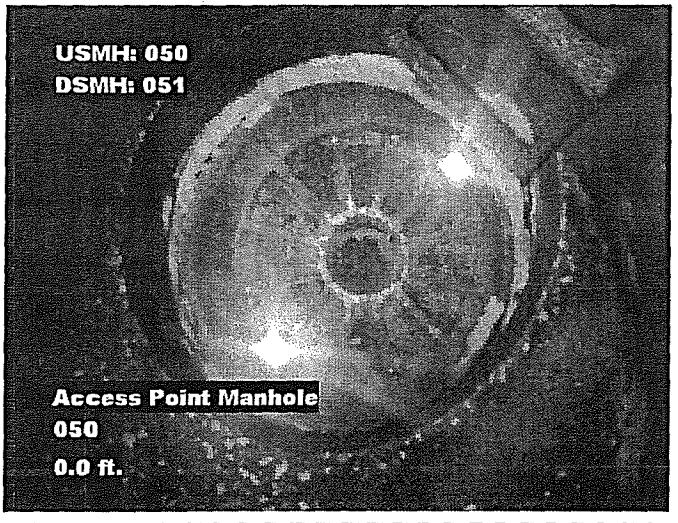
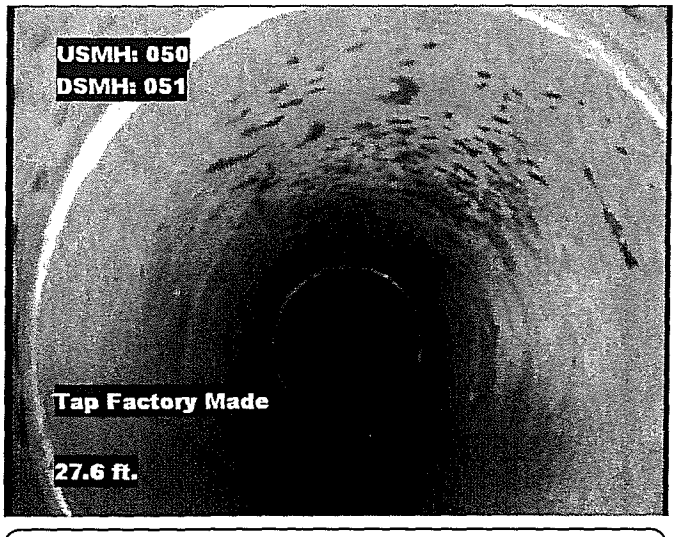
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
050_051	Hillview	Bigoak	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
050			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
051	159.8		8	8		



Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: 050

Distance: 0.0 ft. Grade: 0
Condition: Water Level
Remarks: N/A



Distance: 27.6 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

Distance: 29.8 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

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PIPE EYES

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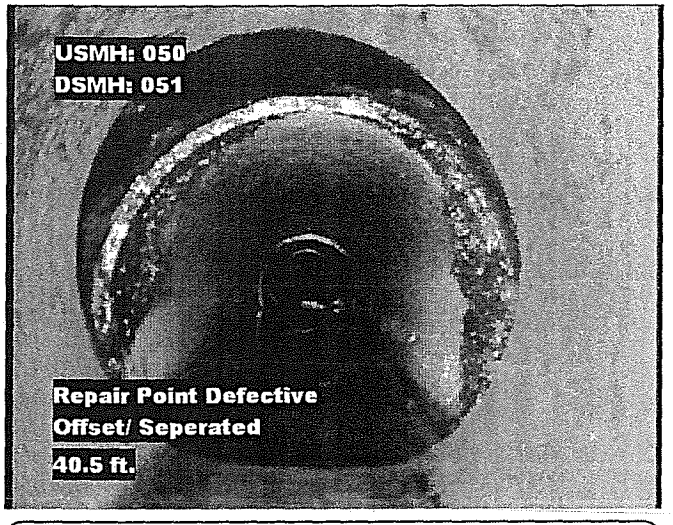
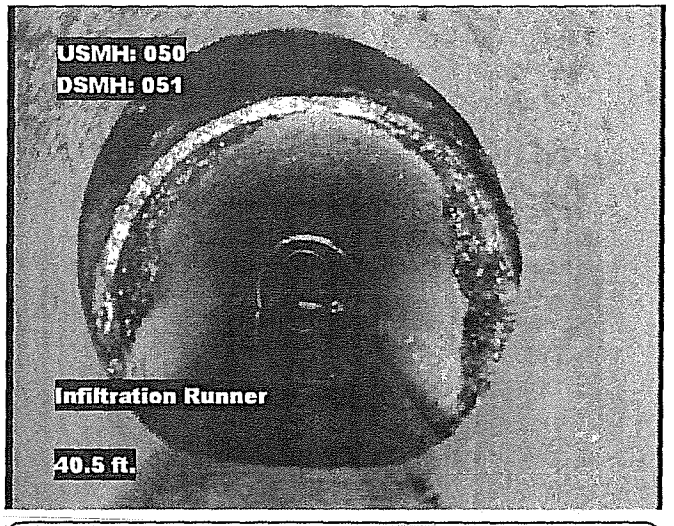
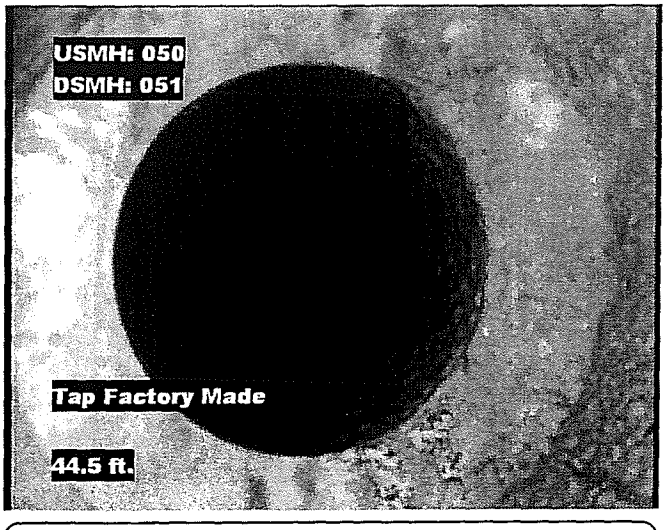
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
050_051	Hillview	Bigoak	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
050			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
051	159.8		8	8		



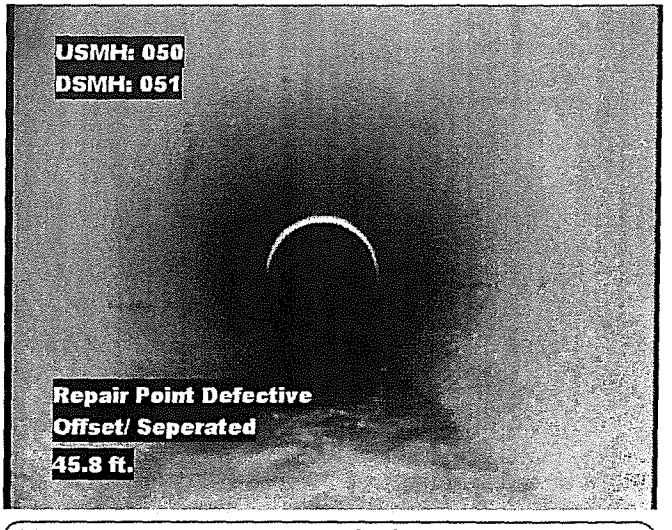
Distance:	40.5 ft.	Grade:	4
Condition:	Repair Point Defective		
Remarks:	Offset/ Seperated		



Distance:	40.5 ft.	Grade:	4
Condition:	Infiltration Runner		
Remarks:	N/A		



Distance:	44.5 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	45.8 ft.	Grade:	4
Condition:	Repair Point Defective		
Remarks:	Offset/ Seperated		

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PIPE EYES

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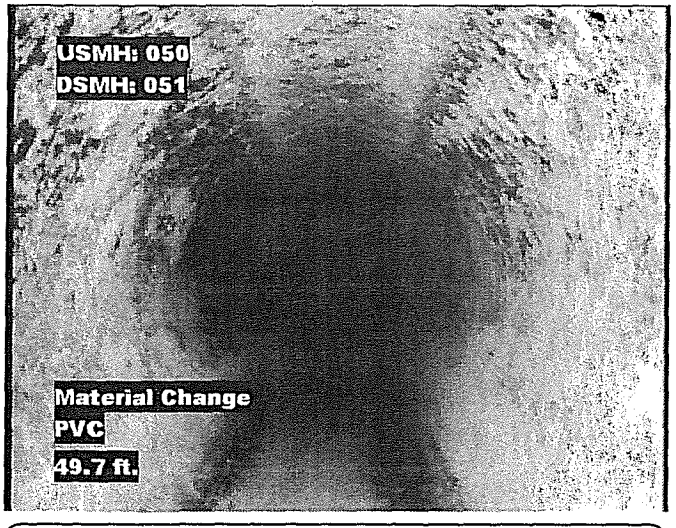
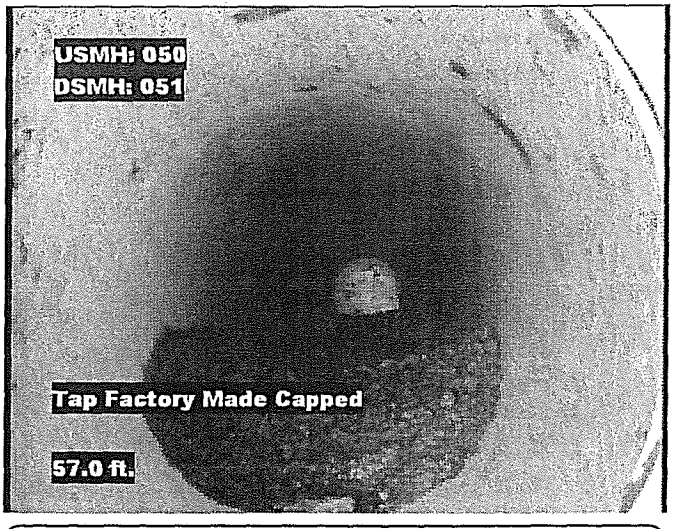
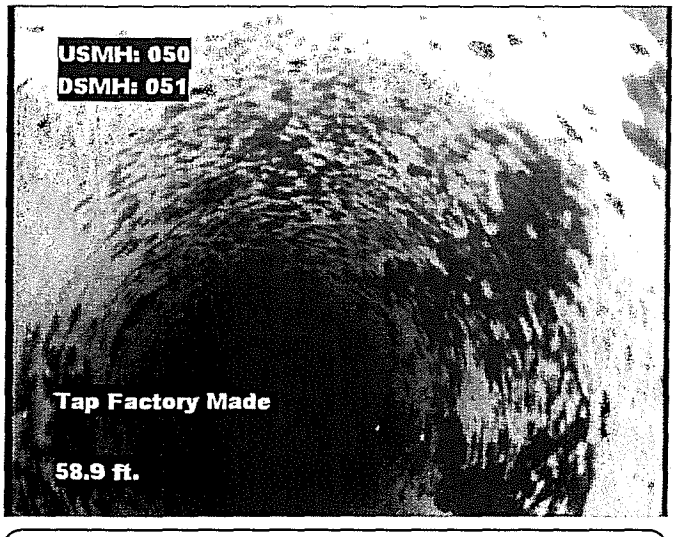
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
050_051	Hillview	Bigoak	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
050			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
051	159.8		8	8		



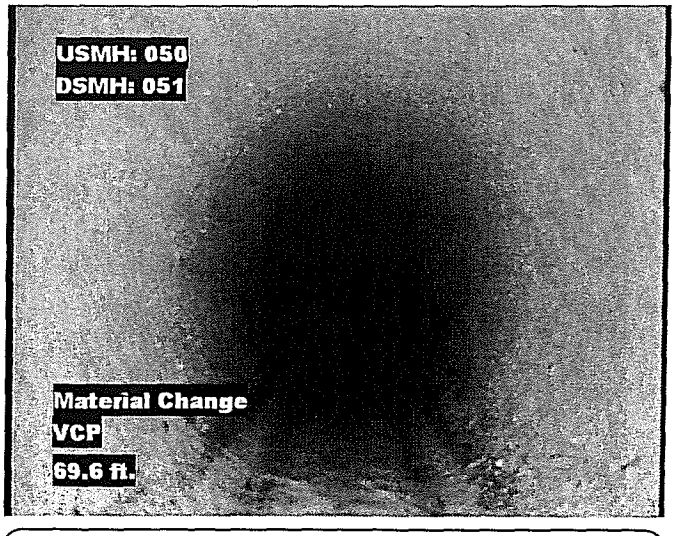
Distance: 49.7 ft. Grade: 0
Condition: Material Change
Remarks: PVC



Distance: 57.0 ft. Grade: 0
Condition: Tap Factory Made Capped
Remarks: N/A



Distance: 58.9 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 69.6 ft. Grade: 0
Condition: Material Change
Remarks: VCP

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PIPE EYES

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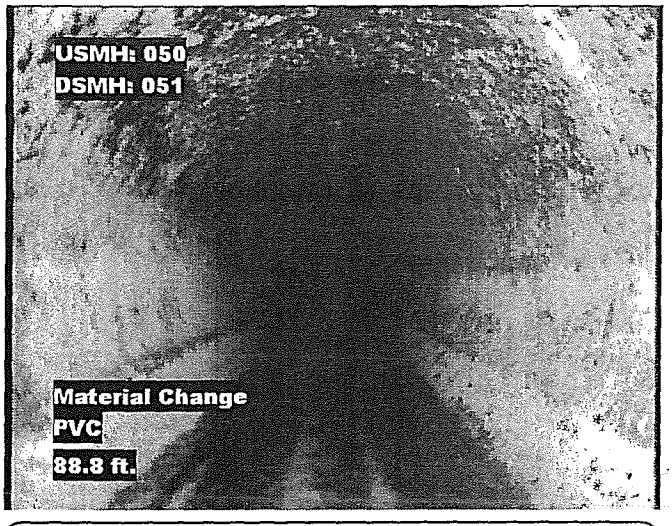
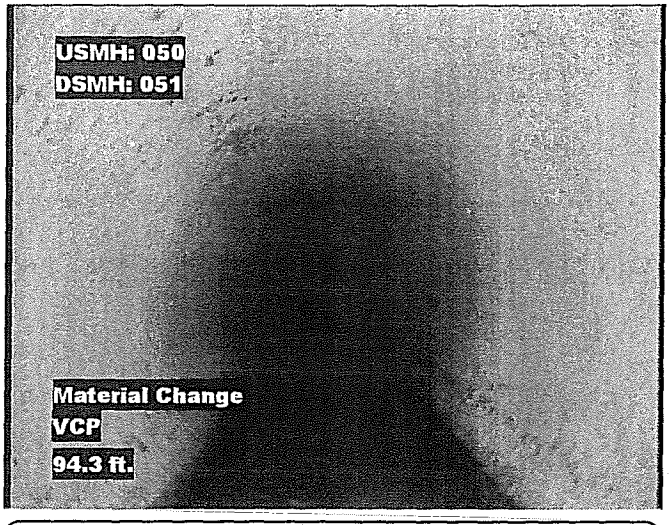
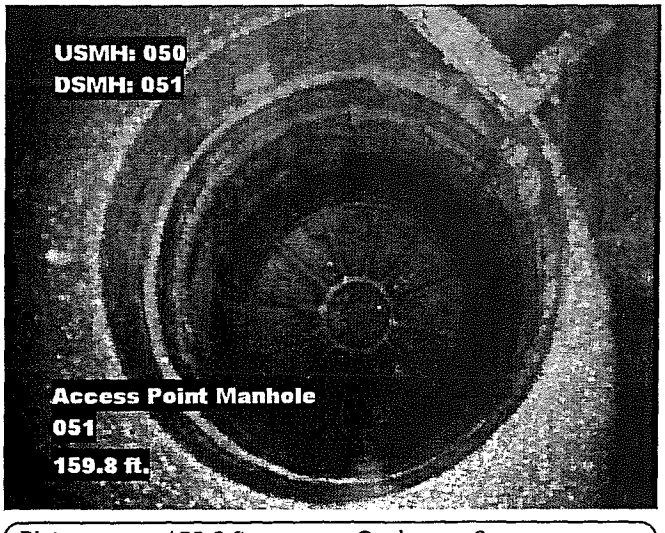
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
050_051	Hillview	Bigoak	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
050			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
051	159.8		8	8		



Distance:	88.8 ft.	Grade:	0
Condition:	Material Change		
Remarks:	PVC		



Distance:	94.3 ft.	Grade:	0
Condition:	Material Change		
Remarks:	VCP		



Distance:	159.8 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	051		

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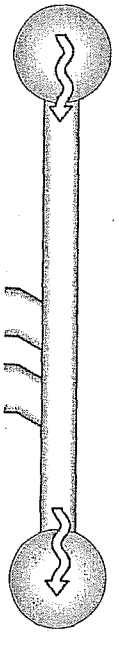
PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
052_053	Hillview	Blue Lick Rd	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
052			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
053	385.2		8	8		

SPR	N/A	MPR	N/A	PO Number	Customer
SPRI	N/A	MPRI	N/A		City of Hillview
QSR	N/A	QMR	N/A	Work Order	Purpose
					Capital Improvement Program As...

OPR	Surveyed By	Direction	Date	Media label
N/A	Bunch	Downstream	20130618	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
N/A		Jetting	07:29	Dry
Date Cleaned			End Time	Additional Info
20130618			07:44	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
235.8 ft.	Tap Factory Made
369.5 ft.	Tap Factory Made Active
385.2 ft.	Access Point Manhole

Pipe Eyes
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PIPE EYES

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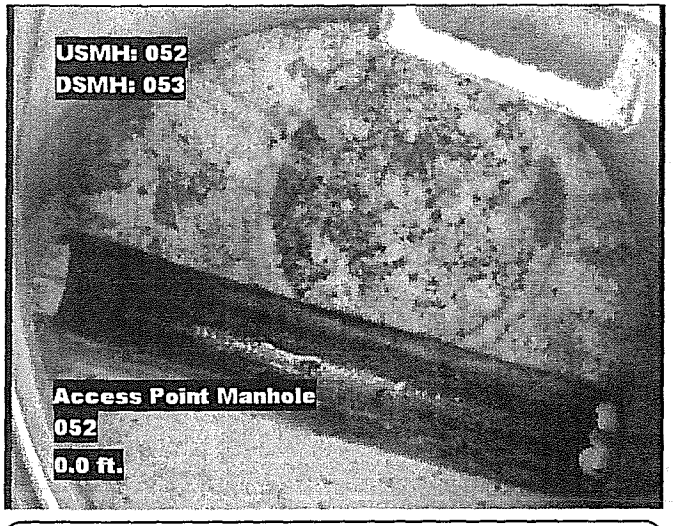
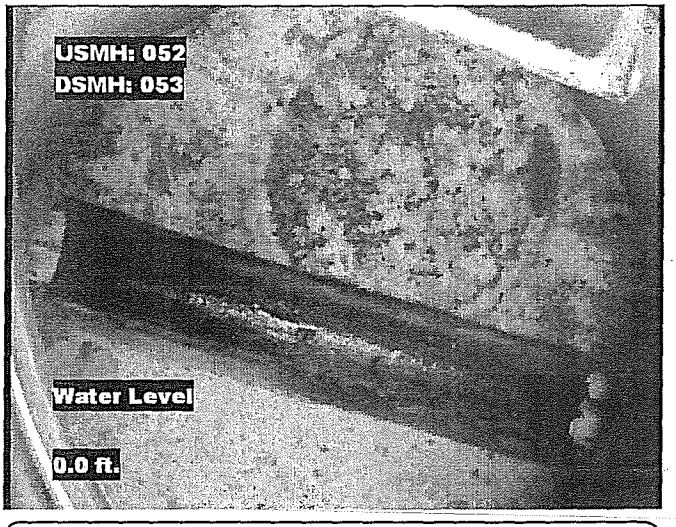
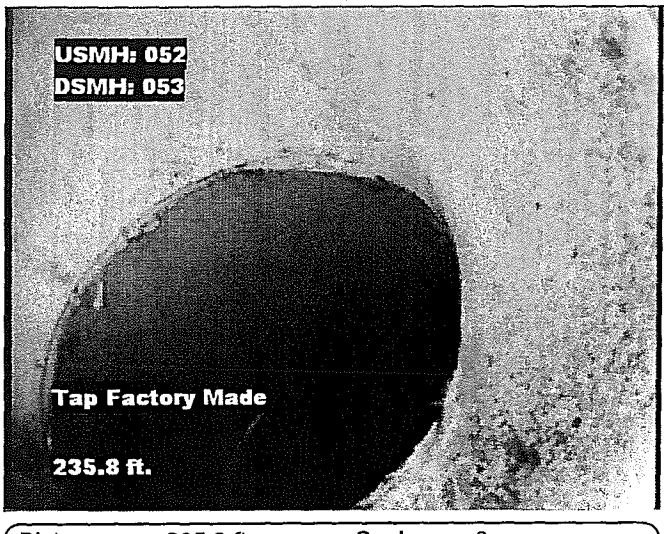
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
052_053	Hillview	Blue Lick Rd	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
052			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
053	385.2		8	8		



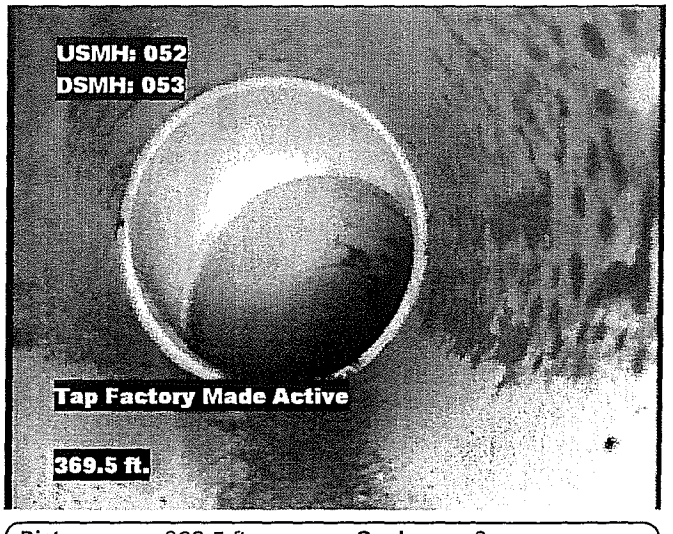
Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: 052



Distance: 0.0 ft. Grade: 0
Condition: Water Level
Remarks: N/A



Distance: 235.8 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 369.5 ft. Grade: 0
Condition: Tap Factory Made Active
Remarks: N/A

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PIPE EYES

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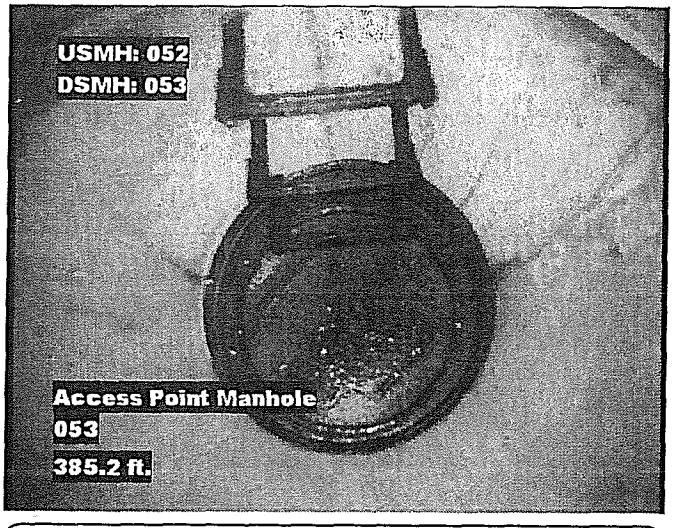
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
052_053	Hillview	Blue Lick Rd	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
052			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
053	385.2		8	8		



Distance: 385.2 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 053

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Defect Listing Plot

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
053_054	Hillview	Blue Lick Rd	PolyVinyl Chloride	Light High...	Sanitary

Upstream MH	Total Length	Year Laid	Shape	Location Details
053			Circular	

DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
052	100.4		8	8		

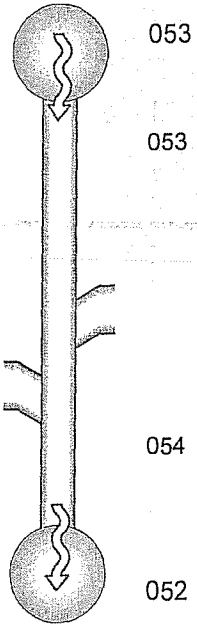
SPR	N/A	MPR	N/A	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	N/A	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	N/A		

OPR	Surveyed By	Direction	Date	Media label
N/A	Bunch	Downstream	20130618	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A		Jetting	07:47	Dry	

Date Cleaned	End Time	Additional Info
20130618	07:53	

0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
53.6 ft.	Tap Factory Made
82.5 ft.	Tap Factory Made
100.4 ft.	Access Point Manhole

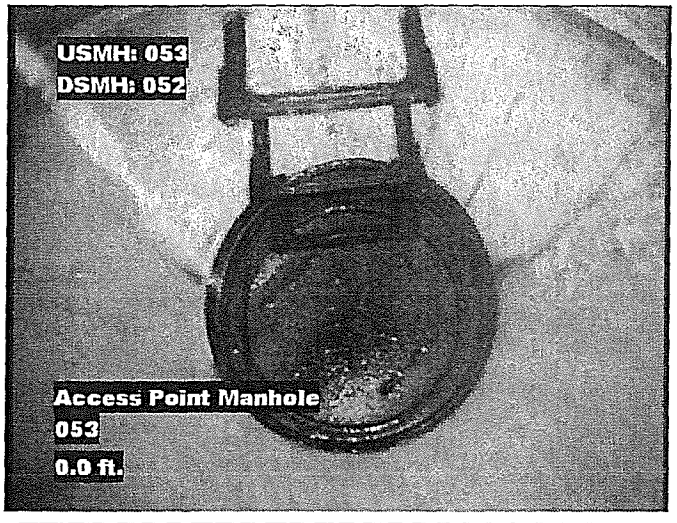


Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
(502)955*5288

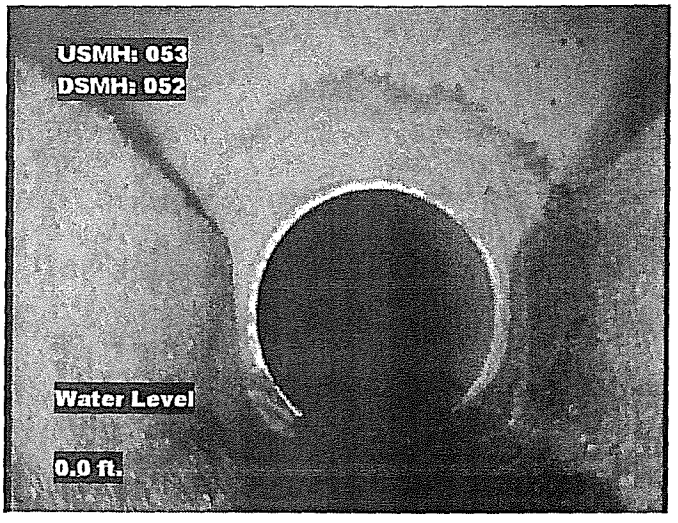
PIPE EYES

Image Report 4/Page

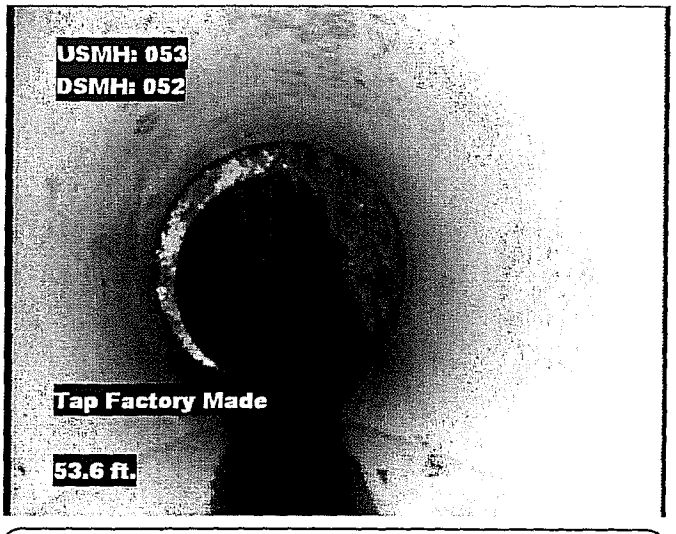
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
053_054	Hillview	Blue Lick Rd	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
053			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
052	100.4		8	8		



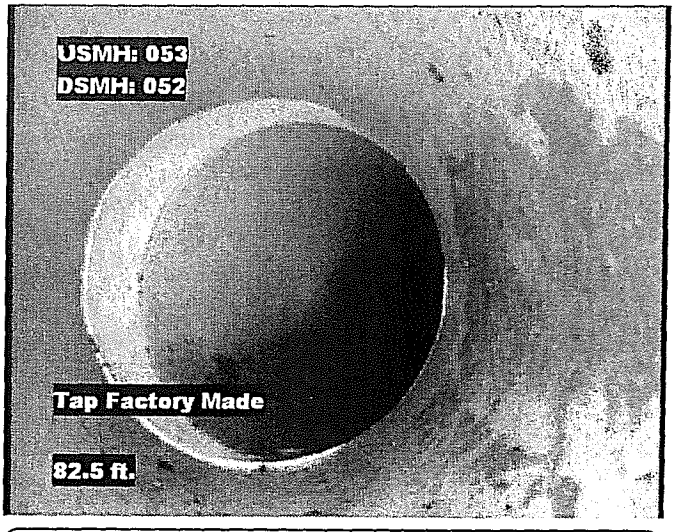
Distance: 0.0 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 053



Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A



Distance: 53.6 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 82.5 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A

Pipe Eyes
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Louisville KY 40229 Kentucky 40229
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PIPE EYES

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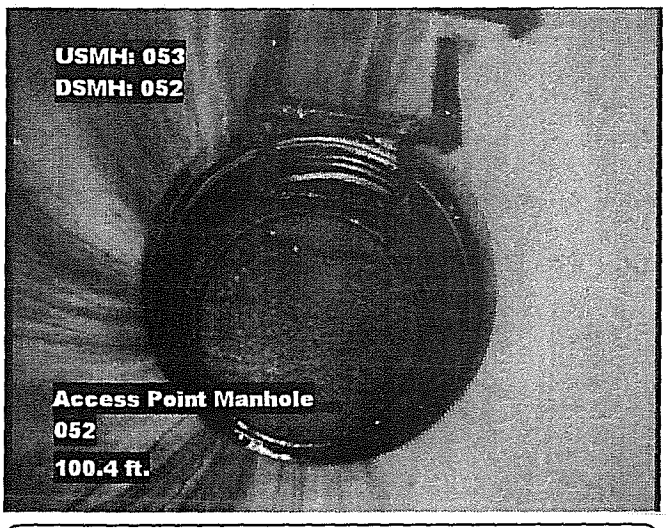
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
053_054	Hillview	Blue Lick Rd	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
053			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
052	100.4		8	8		



Distance:	100.4 ft.	**Grade:**	0
Condition:	Access Point Manhole		
Remarks:	054		

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
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PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
054_055	Hillview	Blue Lick Rd	PolyVinyl Chloride	Light High...	Sanitary

Upstream MH	Total Length	Year Laid	Shape	Location Details
054			Circular	

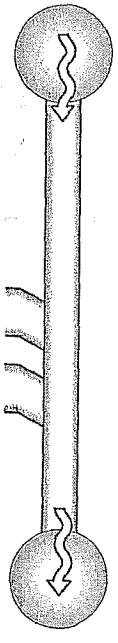
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
055	396.8		8	8		

SPR	N/A	MPR	N/A	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	N/A		
QSR	N/A	QMR	N/A	Work Order	Purpose: Capital Improvement Program As...

OPR	Surveyed By	Direction	Date	Media label
N/A	Bunch	Downstream	20130618	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A		Jetting	07:59	Dry	

Date Cleaned	End Time	Additional Info
20130618	08:54	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
214.1 ft.	Tap Factory Made
355.2 ft.	Tap Factory Made
396.8 ft.	Access Point Manhole

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
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PIPE EYES

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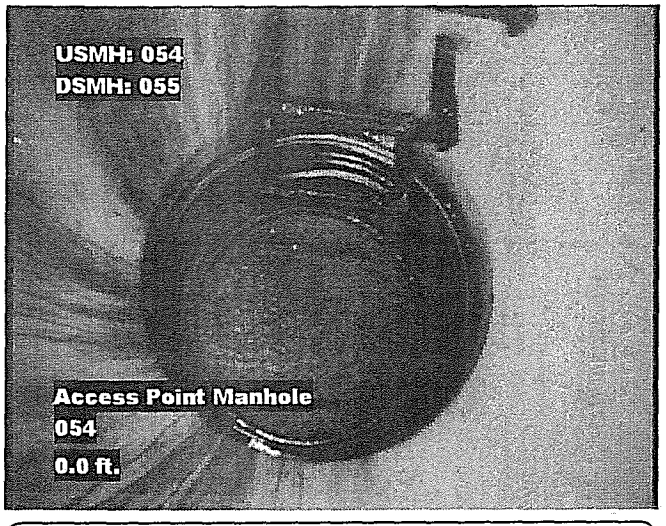
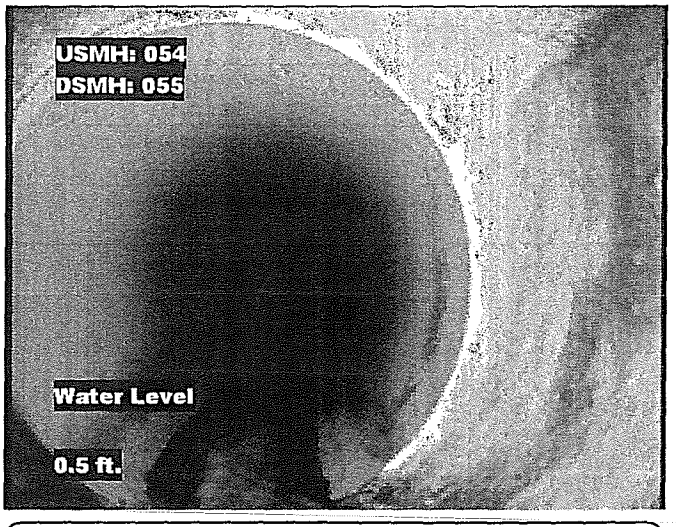
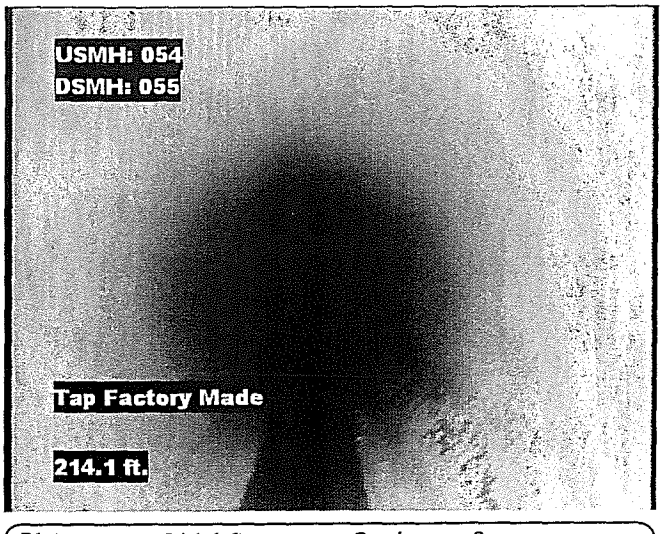
Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
054_055	Hillview	Blue Lick Rd	PolyVinyl Chloride	Light High...	Sanitary
Upstream MH	**Total Length**	**Year Laid**	**Shape**	**Location Details**	
054			Circular		
DS Manhole	**Length surveyed**	**Year Renewed**	**Height / Width**	**Pipe Joint...**	
055	396.8		8 / 8		



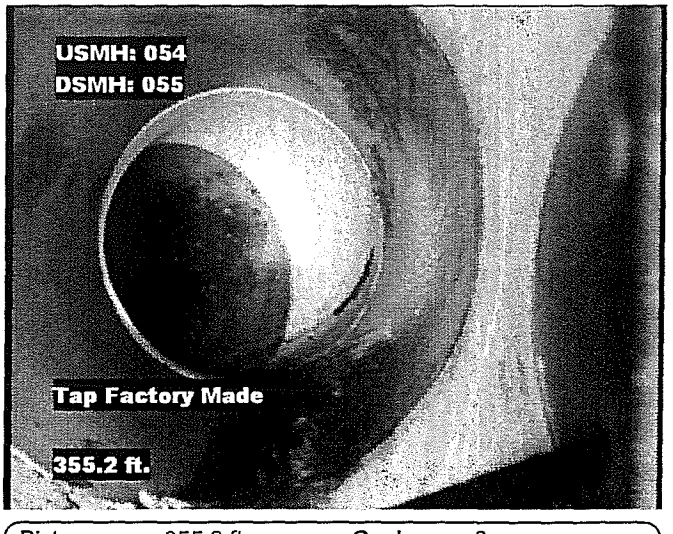
Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: 054



Distance: 0.0 ft. Grade: 0
Condition: Water Level
Remarks: N/A



Distance: 214.1 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 355.2 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
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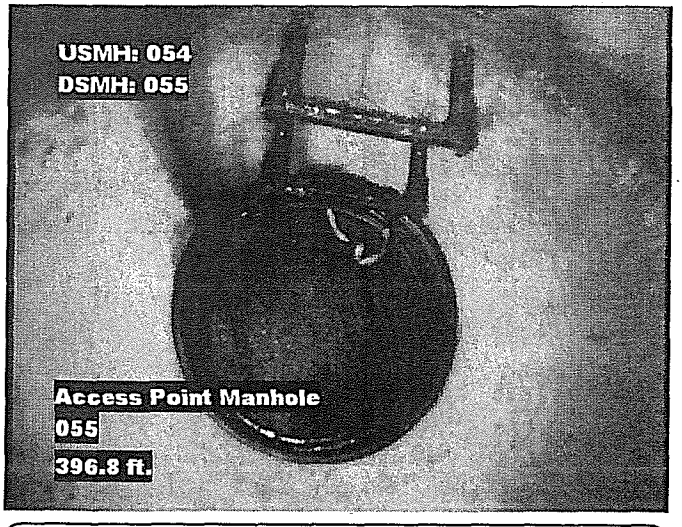
PIPE EYES

Image Report 4/Page

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
054_055	Hillview	Blue Lick Rd	PolyVinyl Chloride	Light High...	Sanitary

Upstream MH	Total Length	Year Laid	Shape	Location Details
054			Circular	

DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
055	396.8		8	8		



Distance:	396.8 ft.	**Grade:**	0
Condition:	Access Point Manhole		
Remarks:	055		

Pipe Eyes
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Louisville KY 40229 Kentucky 40229
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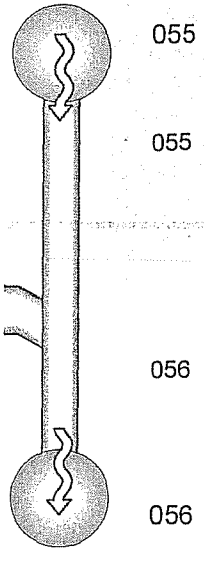
Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
055_056	Hillview	Blue Lick Rd	PolyVinyl Chloride		Light High...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
055			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
056	392.5		8	8		

SPR	N/A	MPR	N/A	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	N/A	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	N/A		

OPR	Surveyed By	Direction	Date	Media label
N/A	Bunch	Downstream	20130618	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
N/A		Jetting	08:58	Dry
Date Cleaned			End Time	Additional Info
20130618			09:15	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
294.8 ft.	Tap Factory Made Capped
392.5 ft.	Access Point Manhole

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
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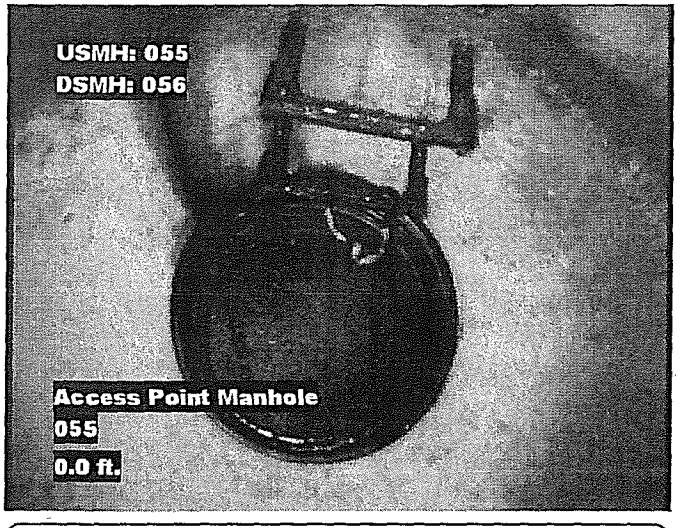
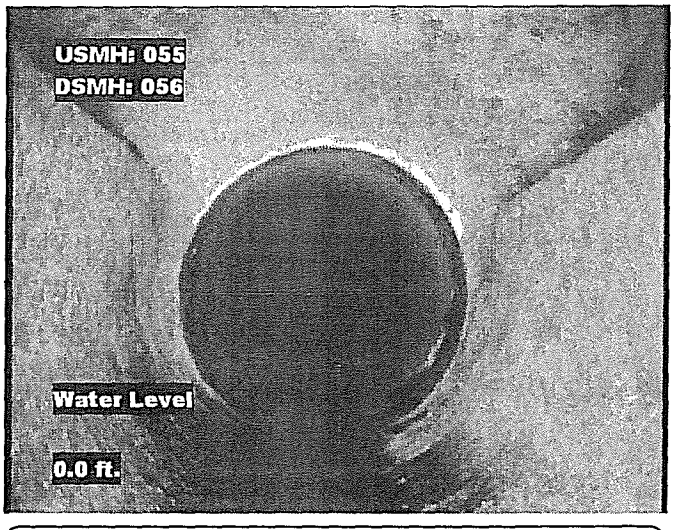
PIPE EYES

Image Report 4/Page

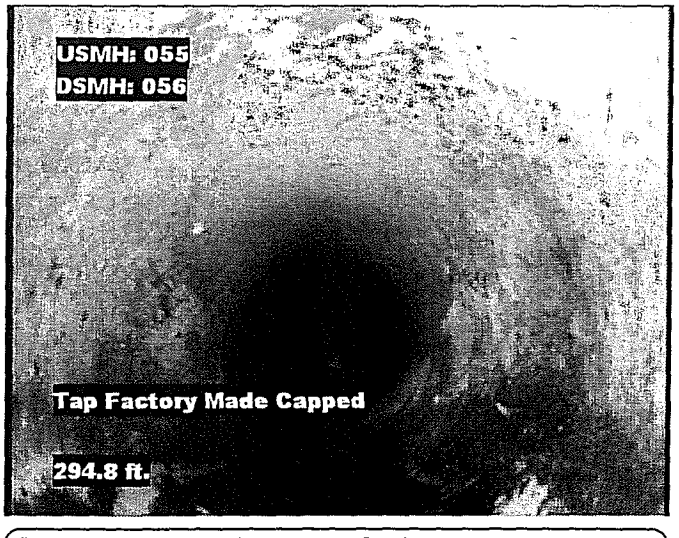
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
055_056	Hillview	Blue Lick Rd	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
055			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
056	392.5		8	8		



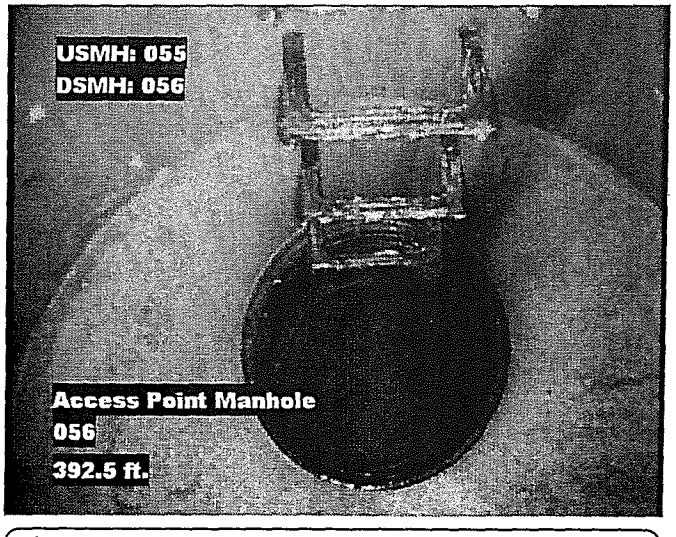
Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: 055



Distance: 0.0 ft. Grade: 0
Condition: Water Level
Remarks: N/A



Distance: 294.8 ft. Grade: 0
Condition: Tap Factory Made Capped
Remarks: N/A



Distance: 392.5 ft. Grade: 0
Condition: Access Point Manhole
Remarks: 056

Pipe Eyes
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Louisville KY 40229 Kentucky 40229
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PIPE EYES

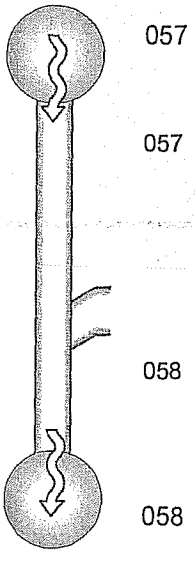
Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
057_058	Hillview	Terry Rd	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
057			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
058	315.6		8	8		

SPR	N/A	MPR	N/A	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	N/A	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	N/A		

OPR	Surveyed By	Direction	Date	Media label
N/A	Bunch	Downstream	20130618	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
N/A		Jetting	10:31	Dry
Date Cleaned			End Time	Additional Info
20130618			10:44	

0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
152.3 ft.	Tap Break-In
315.6 ft.	Access Point Manhole



Pipe Eyes
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Louisville KY 40229 Kentucky 40229
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PIPE EYES

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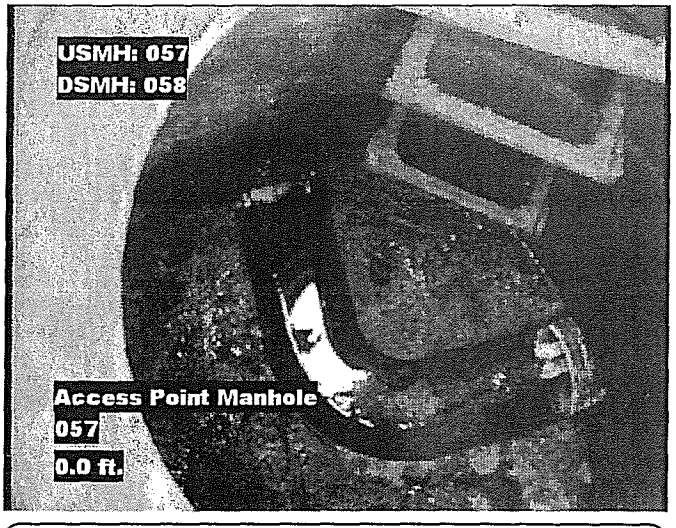
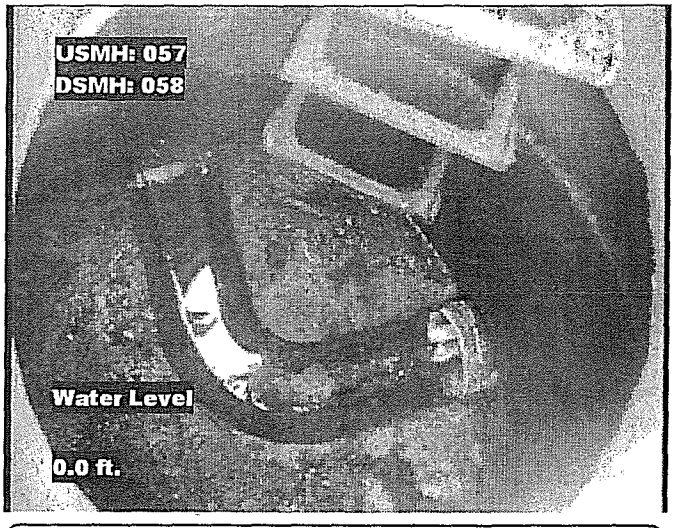
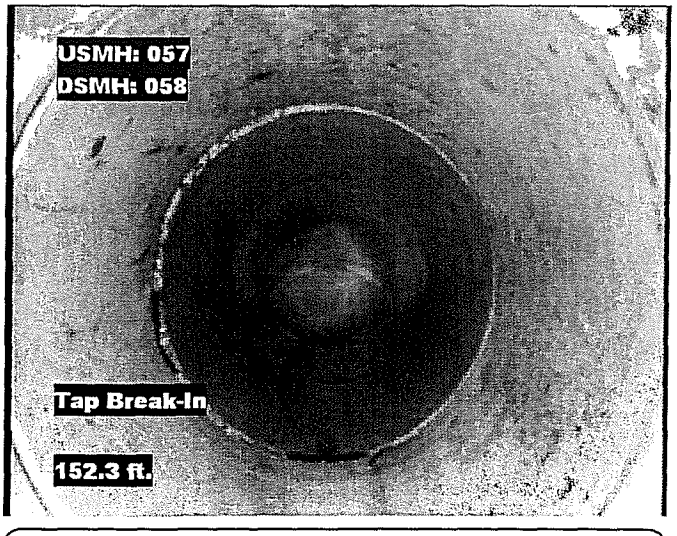
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
057_058	Hillview	Terry Rd	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
057			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
058	315.6		8	8		



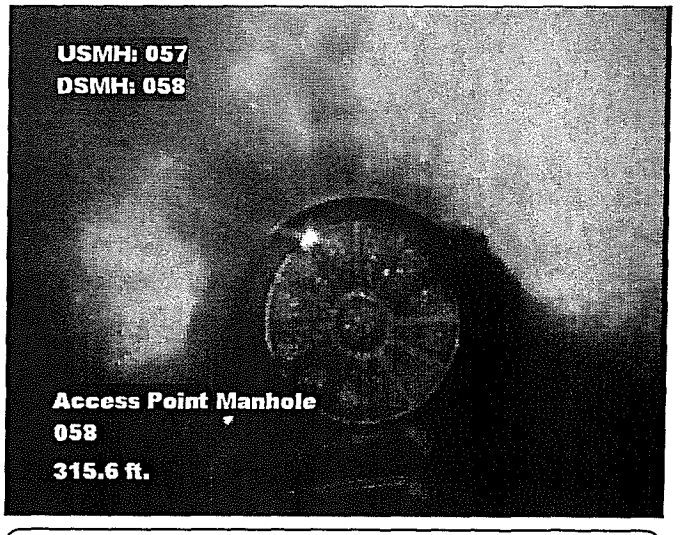
Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	057		



Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	152.3 ft.	Grade:	0
Condition:	Tap Break-In		
Remarks:	N/A		



Distance:	315.6 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	058		

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
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Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
058_059	Hillview	Terry Rd	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
058			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
059	82.4		8	8		

SPR	N/A	MPR	N/A	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	N/A	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	N/A		

OPR	Surveyed By	Direction	Date	Media label
N/A	Bunch	Downstream	20130618	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
N/A		Jetting	11:01	Dry
Date Cleaned			End Time	Additional Info
20130618			11:05	

0.0 ft. Access Point Manhole

0.0 ft. Water Level

82.4 ft. Access Point Manhole

Pipe Eyes
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Louisville KY 40229 Kentucky 40229
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PIPE EYES

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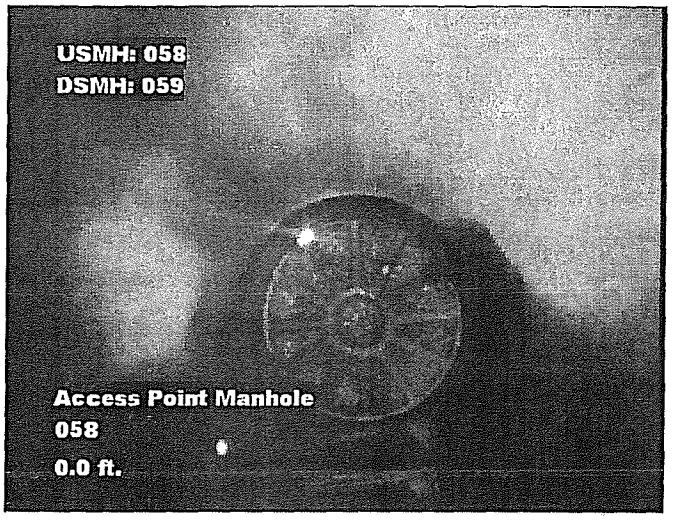
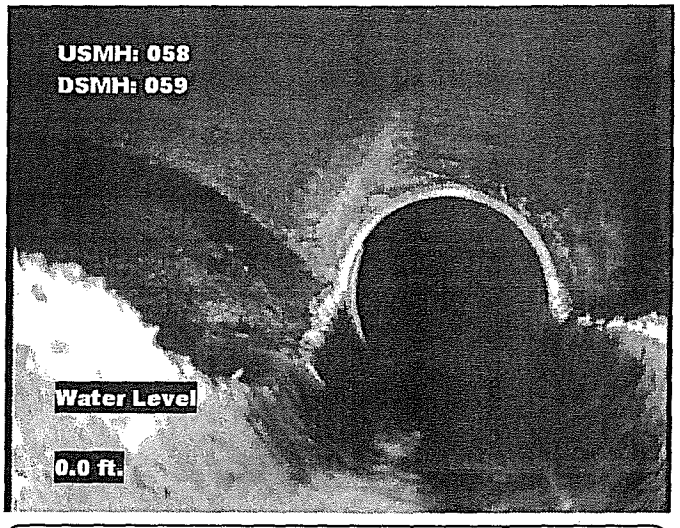
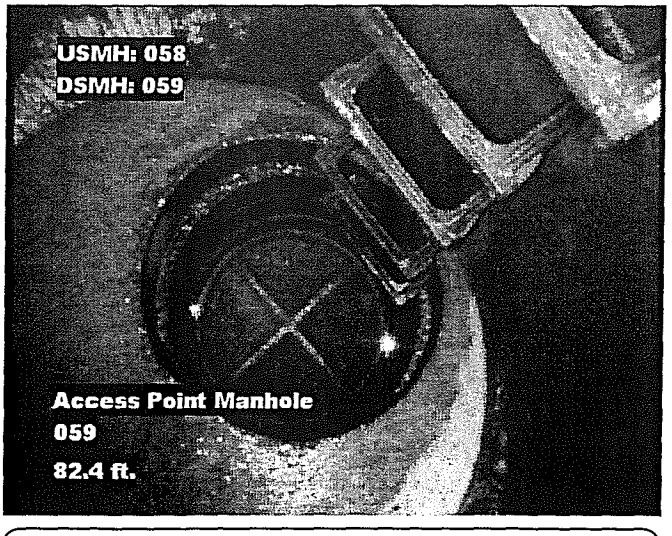
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
058_059	Hillview	Terry Rd	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
058			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
059	82.4		8	8		



Distance: 0.0 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 058



Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A



Distance: 82.4 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 059

Pipe Eyes
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Louisville KY 40229 Kentucky 40229
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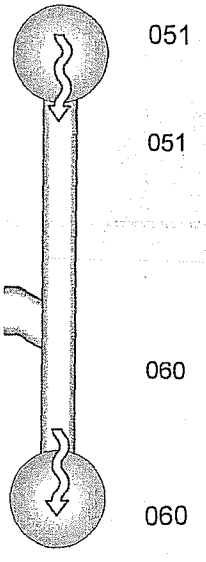
Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
051_060	Hillview	Easement	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
051			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
060	83.1		8	8		

SPR	N/A	MPR	N/A	PO Number	Customer
SPRI	N/A	MPRI	N/A		City of Hillview
QSR	N/A	QMR	N/A	Work Order	Purpose
					Capital Improvement Program As...

OPR	Surveyed By	Direction	Date	Media label
N/A	Bunch	Downstream	20130618	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
N/A		Jetting	11:58	Dry
Date Cleaned			End Time	Additional Info
20130618			12:04	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
81.6 ft.	Tap Factory Made Active
83.1 ft.	Access Point Manhole

Pipe Eyes
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Louisville KY 40229 Kentucky 40229
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PIPE EYES

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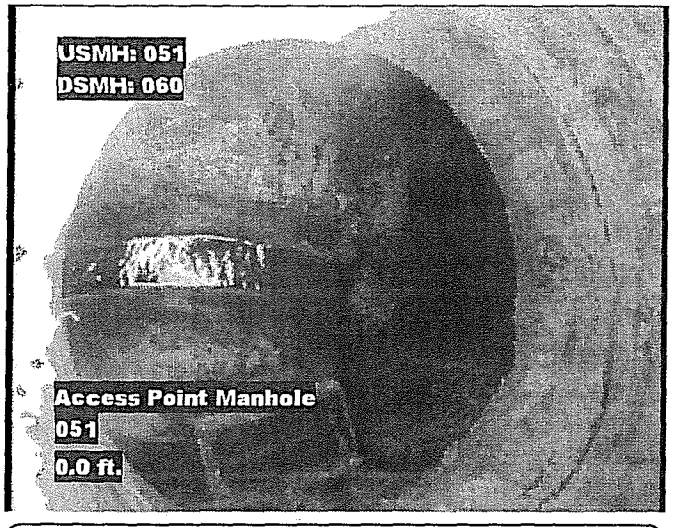
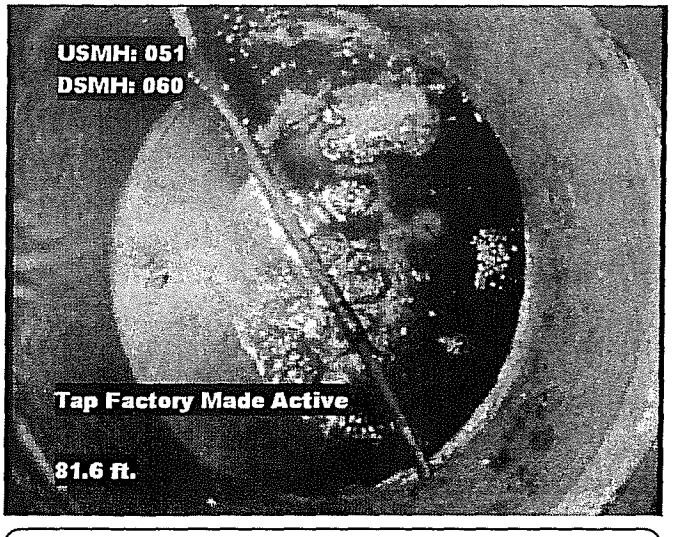
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
051_060	Hillview	Easement	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
051			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
060	83.1		8	8		

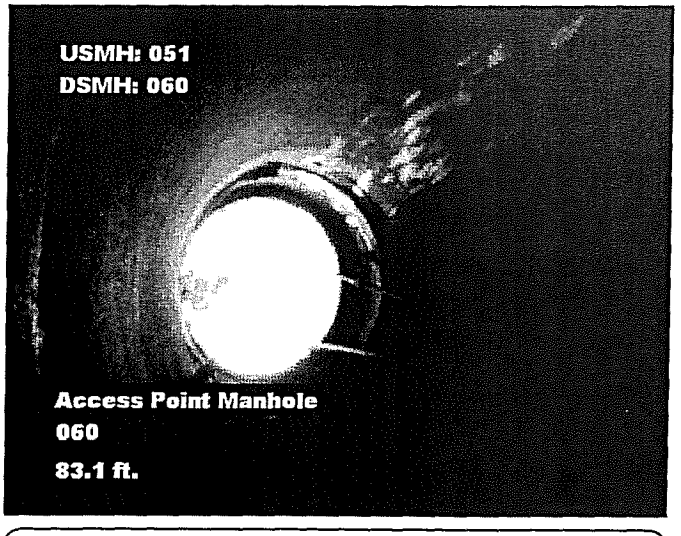


Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: 051

Distance: 0.0 ft. Grade: 0
Condition: Water Level
Remarks: N/A



Distance: 81.6 ft. Grade: 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 83.1 ft. Grade: 0
Condition: Access Point Manhole
Remarks: 060

Pipe Eyes
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PIPE EYES

Defect Listing Plot

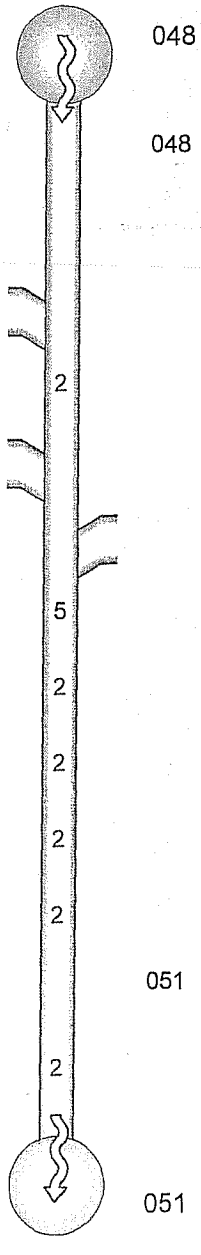
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
048_051	Hillview	Easement	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
048			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
051	227		8	8		

SPR	N/A	MPR	105	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	2.1	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	512I		

OPR	Surveyed By	Direction	Date	Media label
105	Bunch	Downstream	20130618	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
2.1		Jetting	14:13	Dry

Date Cleaned	End Time	Additional Info
20130618	14:23	

0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
8.3 ft.	Tap Factory Made
23.5 ft.	Water Level Sag - S01
56.6 ft.	Tap Factory Made
58.8 ft.	Tap Factory Made
58.8 ft.	Infiltration Gusher
118.7 ft.	Deposits Attached Grease - S02
128.6 ft.	Deposits Attached Grease - F02
193.3 ft.	Deposits Attached Grease - S03
227.0 ft.	Water Level Sag - F01
227.0 ft.	Access Point Manhole
227.0 ft.	Deposits Attached Grease - F03



Pipe Eyes
145 Smith Lane
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PIPE EYES

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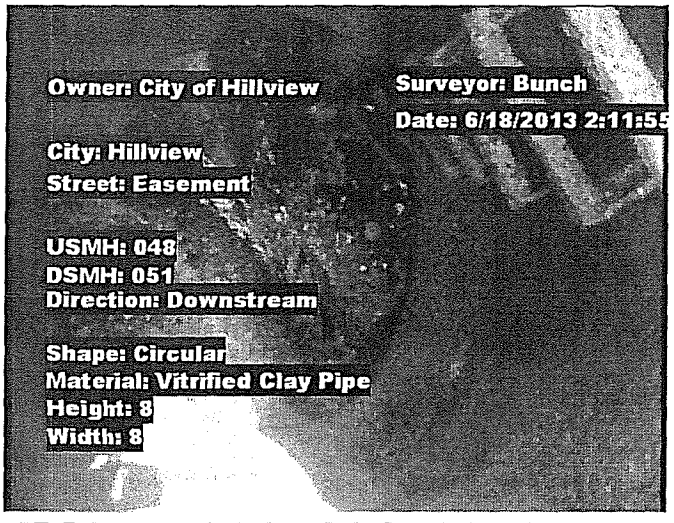
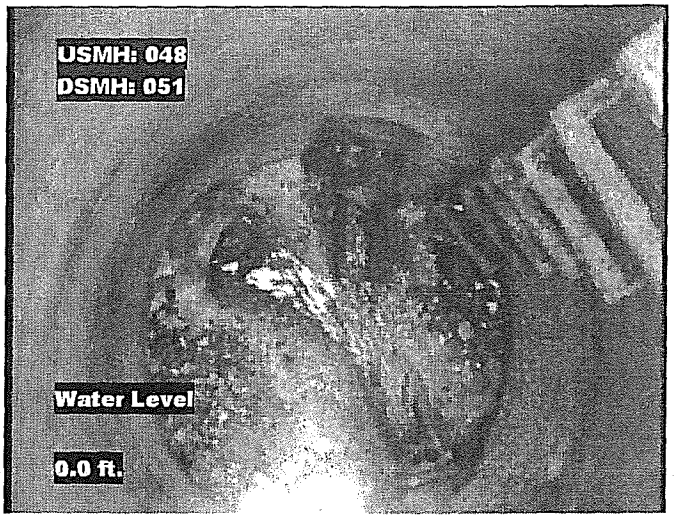
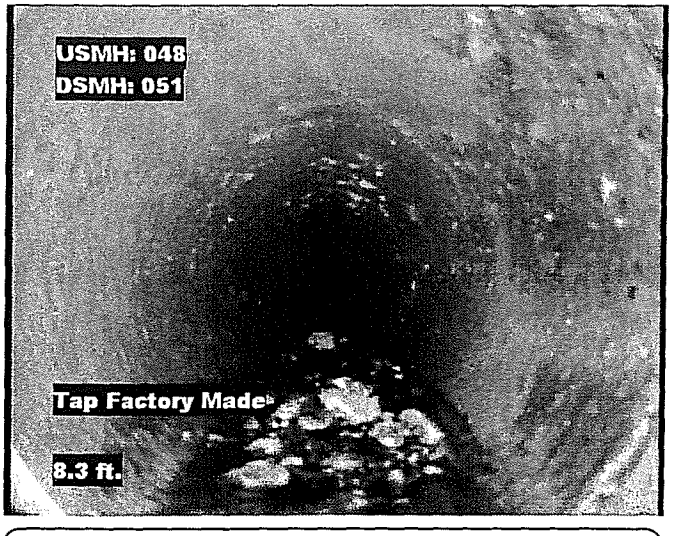
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
048_051	Hillview	Easement	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
048			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
051	227		8	8		



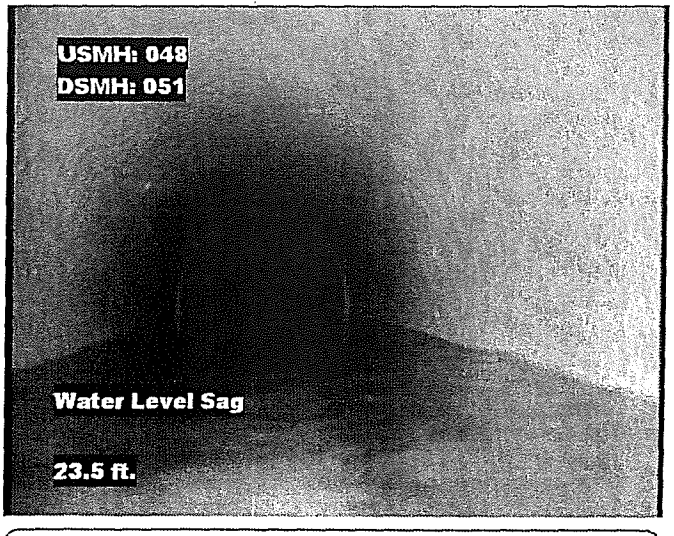
Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	048		



Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	8.3 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	23.5 ft.	Grade:	2
Condition:	Water Level Sag		
Remarks:	N/A		

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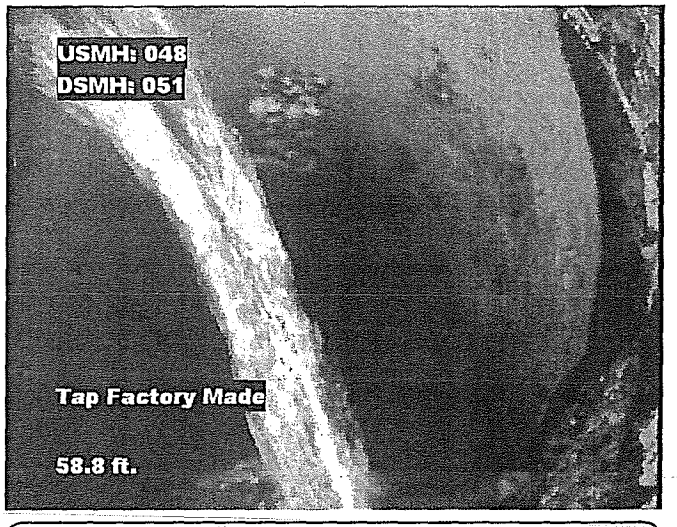
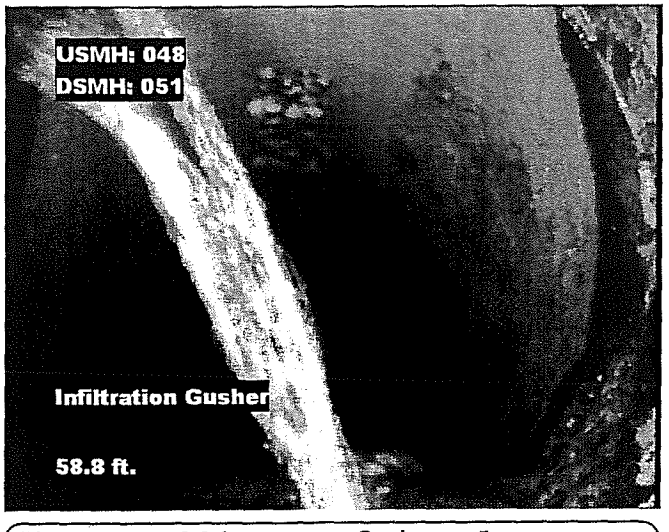
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
048_051	Hillview	Easement	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
048			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
051	227		8	8		

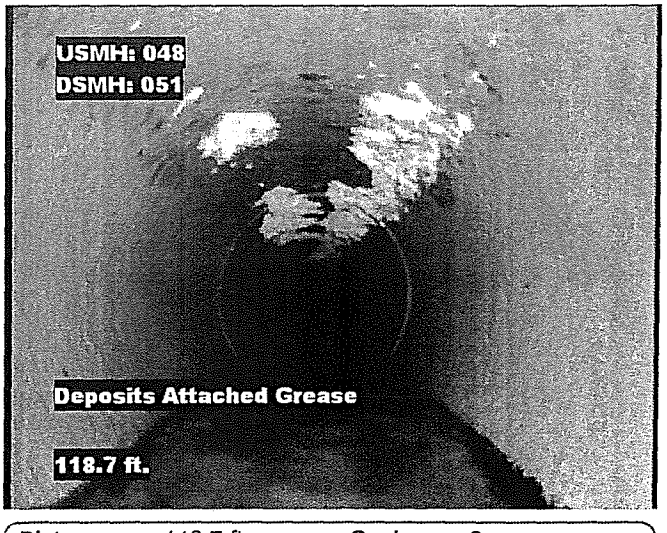
Distance: 56.6 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 58.8 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 58.8 ft. Grade: 5
Condition: Infiltration Gusher
Remarks: N/A



Distance: 118.7 ft. Grade: 2
Condition: Deposits Attached Grease
Remarks: N/A

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PIPE EYES

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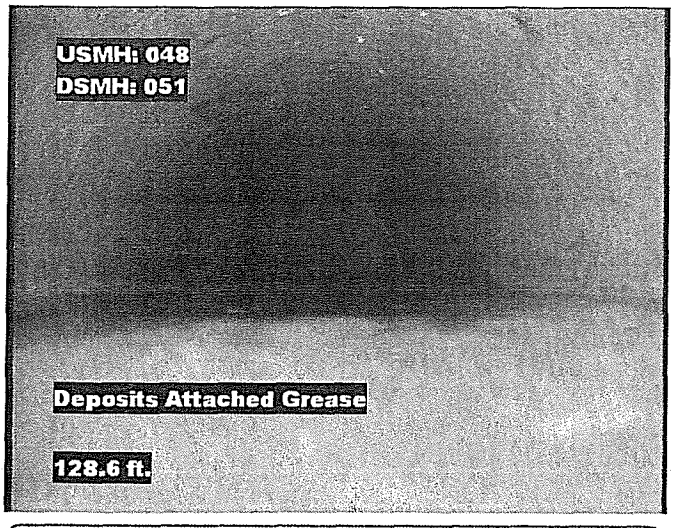
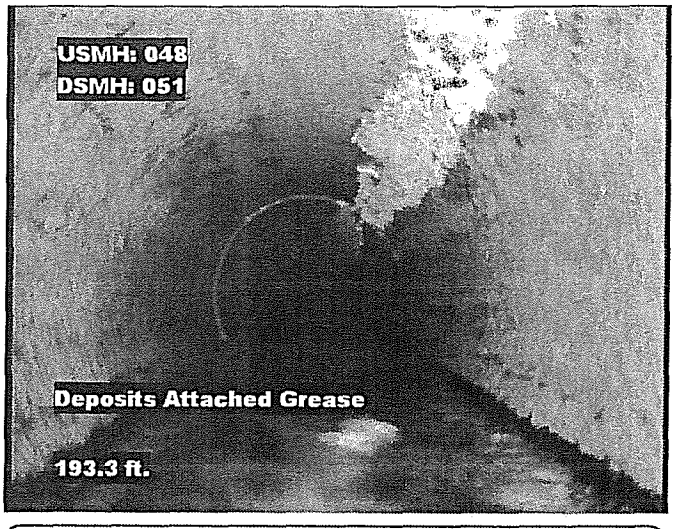
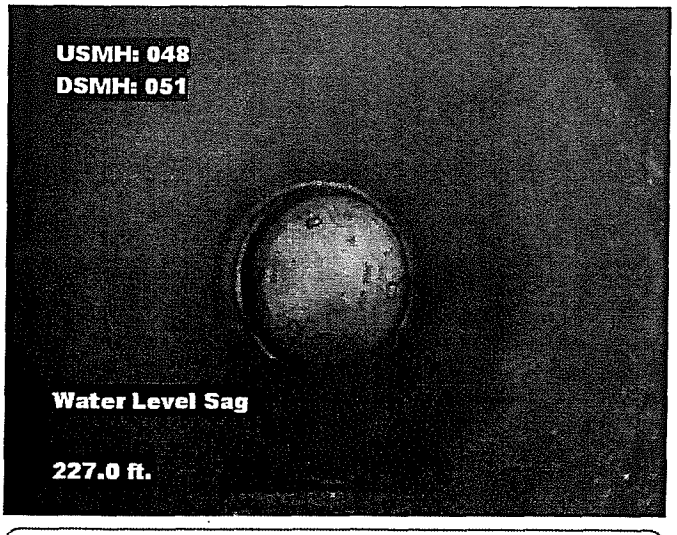
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
048_051	Hillview	Easement	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
048			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
051	227		8	8		



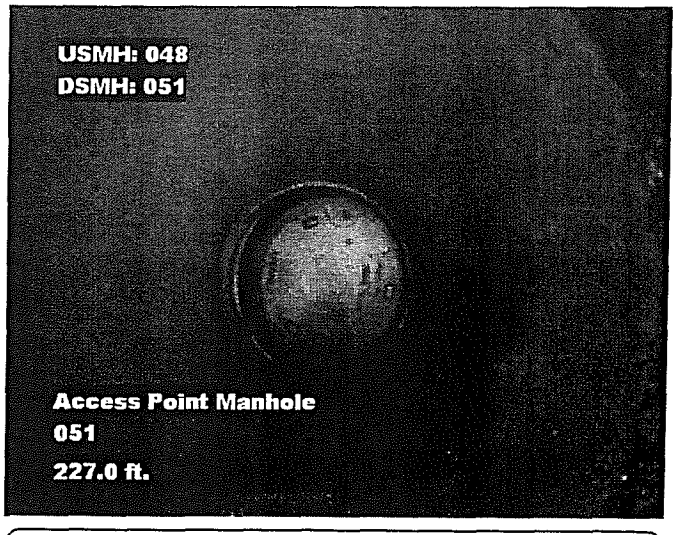
Distance:	128.6 ft.	Grade:	2
Condition:	Deposits Attached Grease		
Remarks:	N/A		



Distance:	193.3 ft.	Grade:	2
Condition:	Deposits Attached Grease		
Remarks:	N/A		



Distance:	227.0 ft.	Grade:	2
Condition:	Water Level Sag		
Remarks:	N/A		



Distance:	227.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	051		

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PIPE EYES

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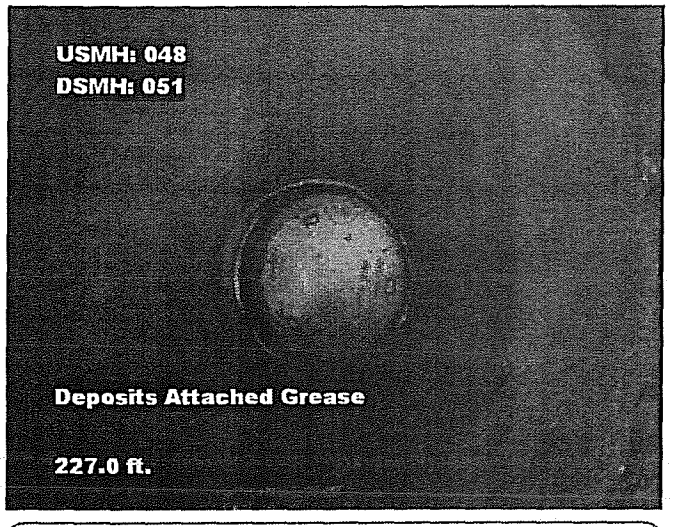
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
048_051	Hillview	Easement	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
048			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
051	227		8	8		



Distance: 227.0 ft. **Grade:** 2
Condition: Deposits Attached Grease
Remarks: N/A

Pipe Eyes
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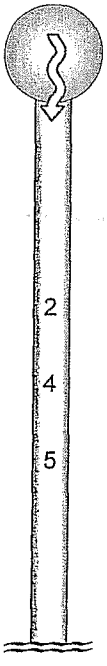
PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
059_061	Hillview	Easement	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
059			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
061	31		8	8		

SPR	7	MPR	4	PO Number	Customer: City of Hillview
SPRI	3.5	MPRI	4	Work Order	Purpose: Capital Improvement Program As...
QSR	5121	QMR	4100		

OPR	Surveyed By	Direction	Date	Media label
11	Bunch	Downstream	20130618	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
3.7		Jetting	14:43	Dry
Date Cleaned			End Time	Additional Info
20130618			14:48	



0.0 ft.	Access Point Manhole	
0.0 ft.	Water Level	
13.5 ft.	Joint Offset Large	
31.0 ft.	Infiltration Runner	
31.0 ft.	Collapse Pipe Sewer	Pipe is crushed
31.0 ft.	Survey Abandoned	Can not pass crushed pipe

Pipe Eyes
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PIPE EYES

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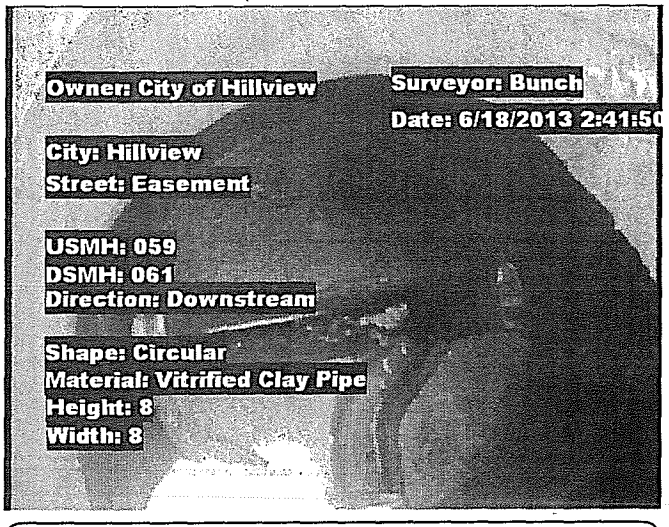
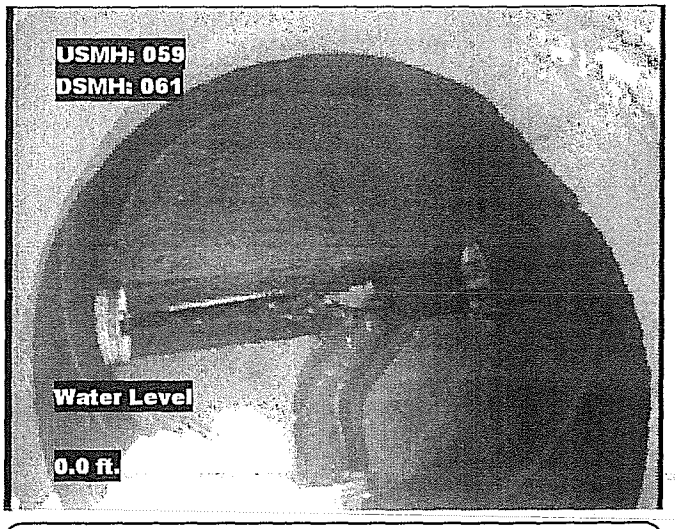
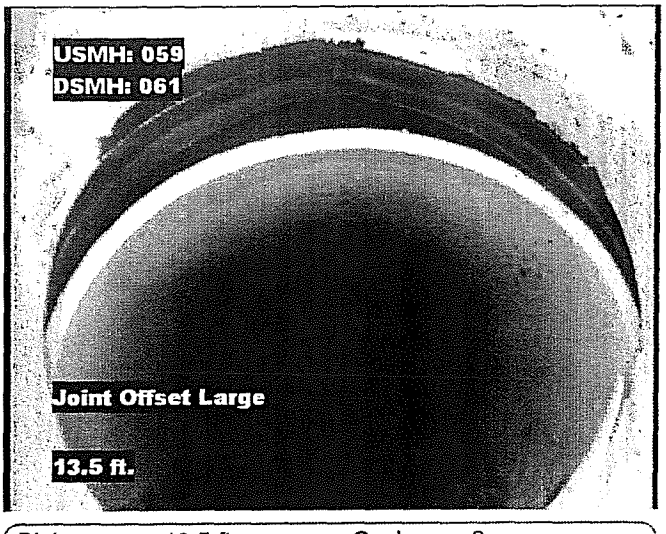
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
059_061	Hillview	Easement	Vitrified Clay Pipe		Light High...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
059			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
061	31		8	8		



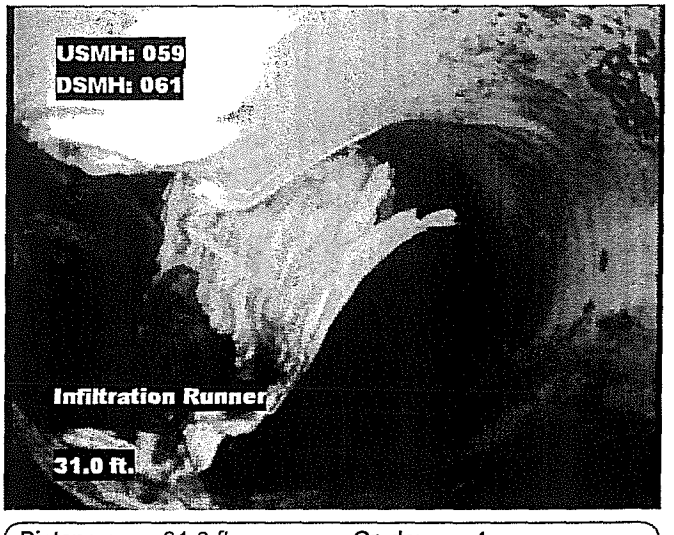
Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	059		



Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	13.5 ft.	Grade:	2
Condition:	Joint Offset Large		
Remarks:	N/A		



Distance:	31.0 ft.	Grade:	4
Condition:	Infiltration Runner		
Remarks:	N/A		

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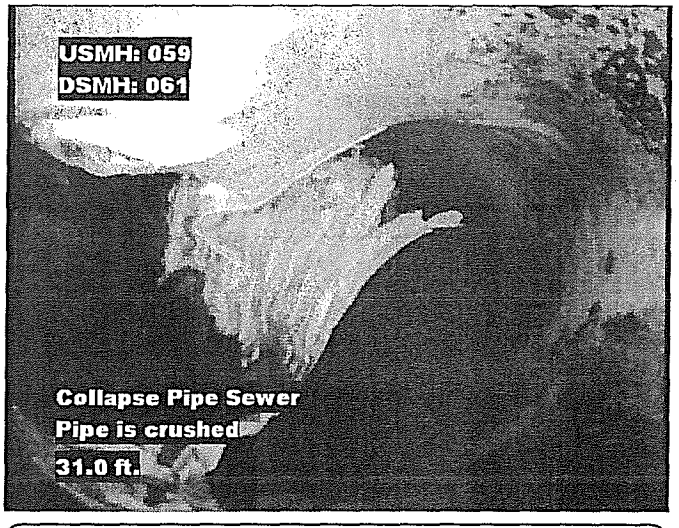
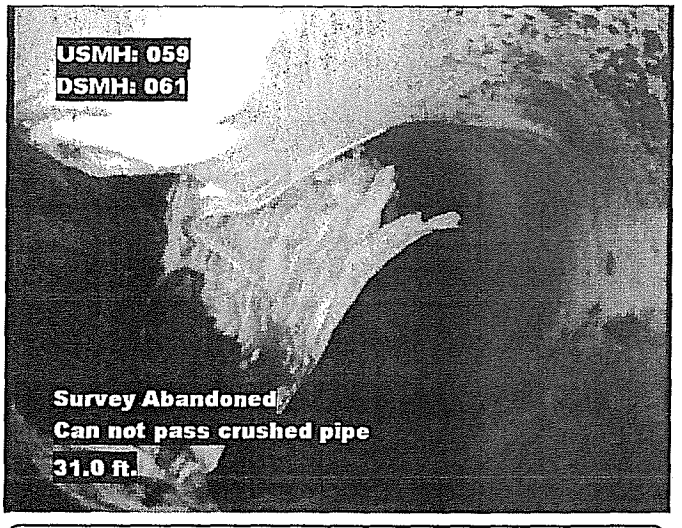
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
059_061	Hillview	Easement	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
059			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
061	31		8	8		



Distance: 31.0 ft. **Grade:** 5
Condition: Collapse Pipe Sewer
Remarks: Pipe is crushed



Distance: 31.0 ft. **Grade:** 0
Condition: Survey Abandoned
Remarks: Can not pass crushed pipe

Pipe Eyes
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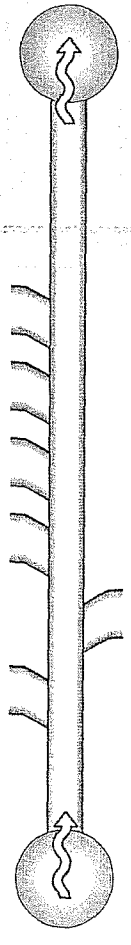
PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
061_062	Hillview	Easement	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
061			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
062	270.1		8	8		

SPR	N/A	MPR	N/A	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	N/A	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	N/A		

OPR	Surveyed By	Direction	Date	Media label
N/A	Bunch	Upstream	20130618	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
N/A		Jetting	15:05	Dry
Date Cleaned			End Time	Additional Info
20130618			15:19	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
7.0 ft.	Tap Factory Made
65.0 ft.	Tap Factory Made
139.4 ft.	Tap Factory Made
194.8 ft.	Tap Factory Made
239.1 ft.	Tap Break-In
252.1 ft.	Tap Factory Made
270.1 ft.	Access Point Manhole

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PIPE EYES

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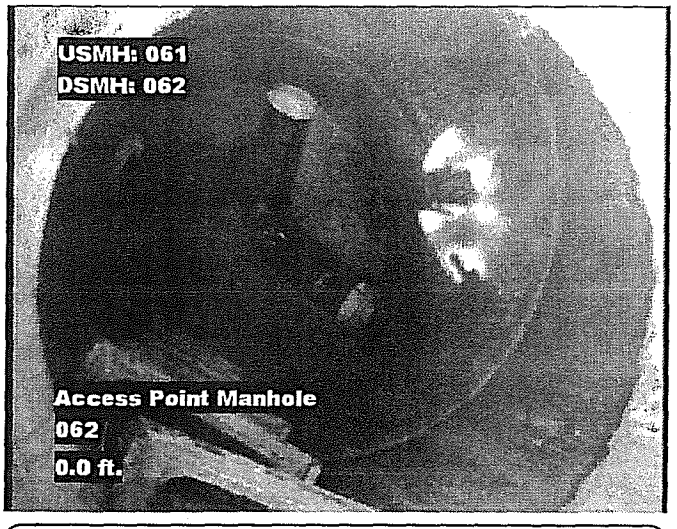
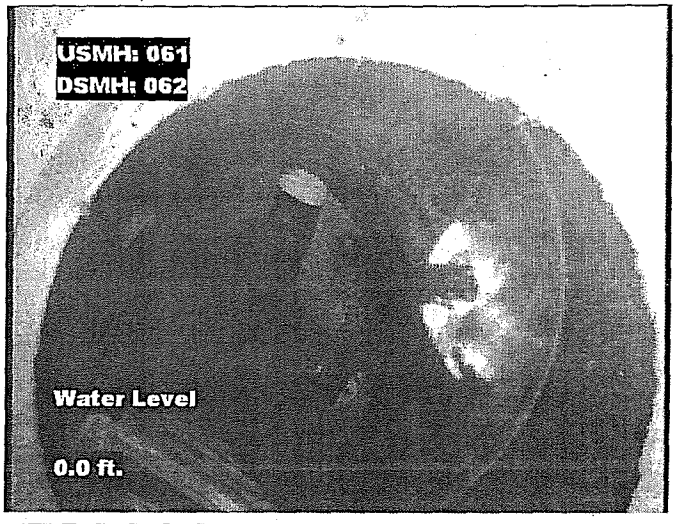
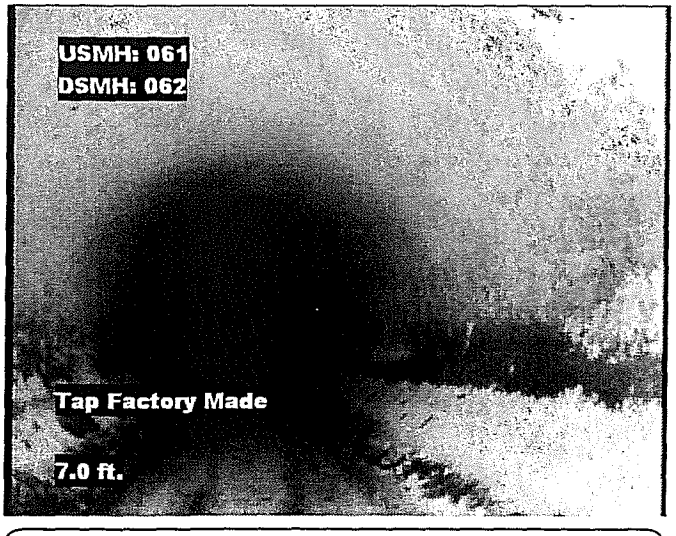
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
061_062	Hillview	Easement	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
061			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
062	270.1		8	8		



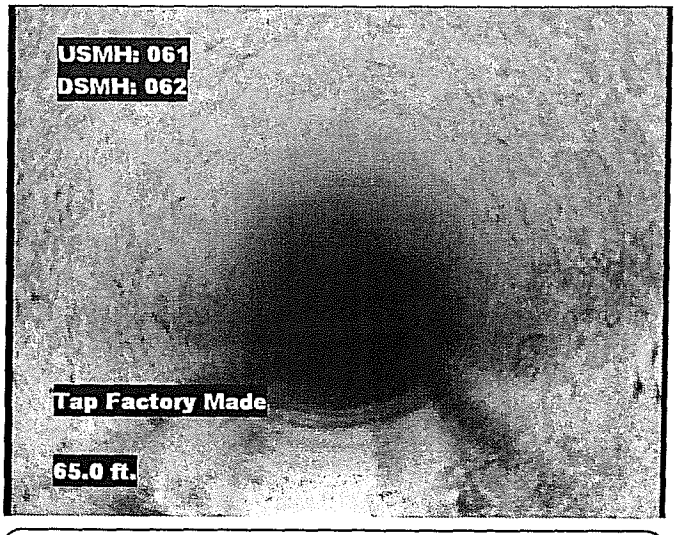
Distance: 0.0 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 062



Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A



Distance: 7.0 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 65.0 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A

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PIPE EYES

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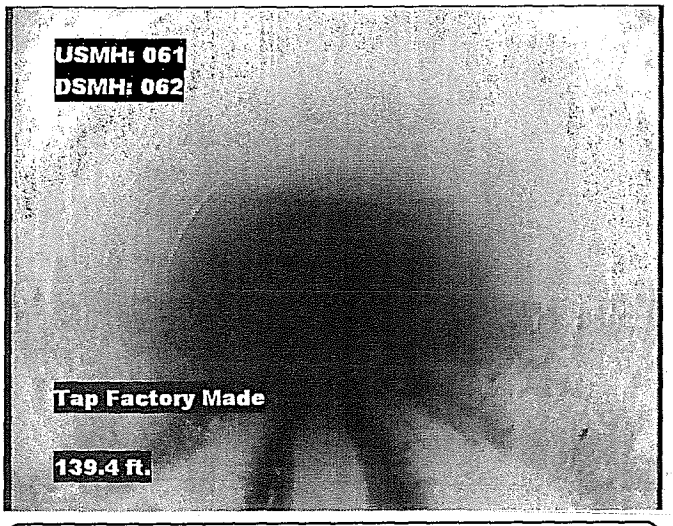
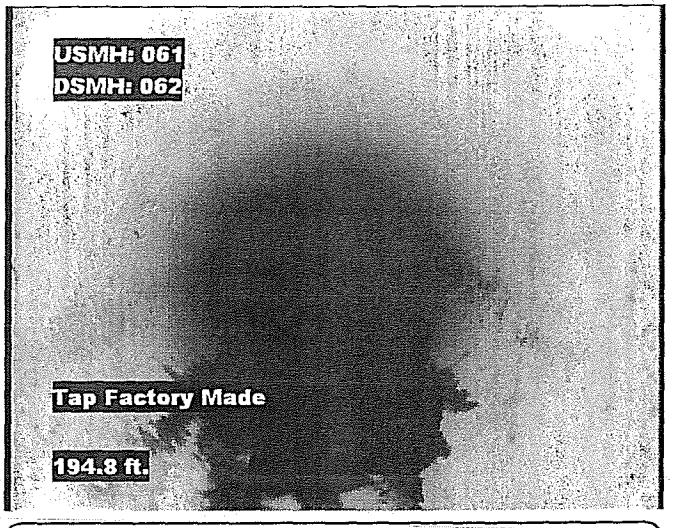
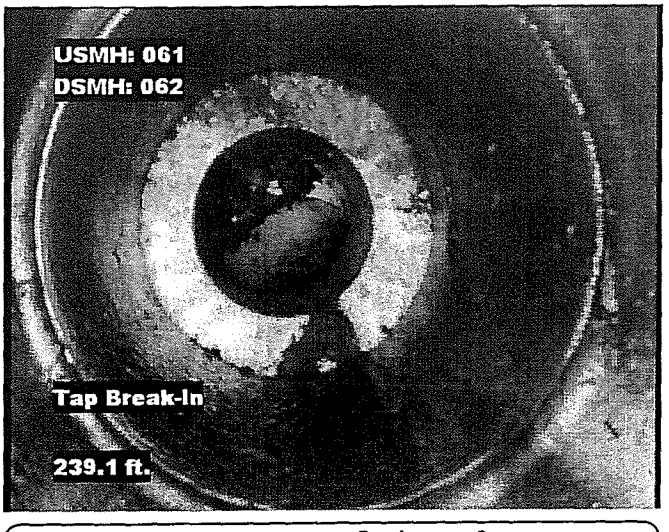
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
061_062	Hillview	Easement	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
061			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
062	270.1		8	8		



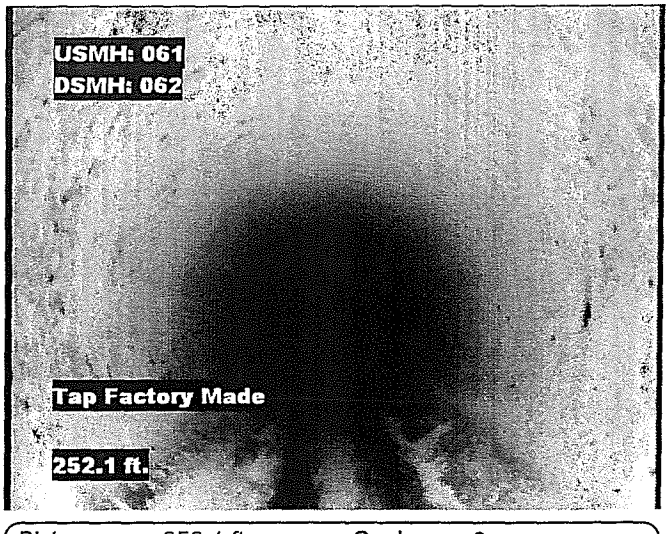
Distance: 139.4 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 194.8 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 239.1 ft. Grade: 0
Condition: Tap Break-In
Remarks: N/A



Distance: 252.1 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

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PIPE EYES

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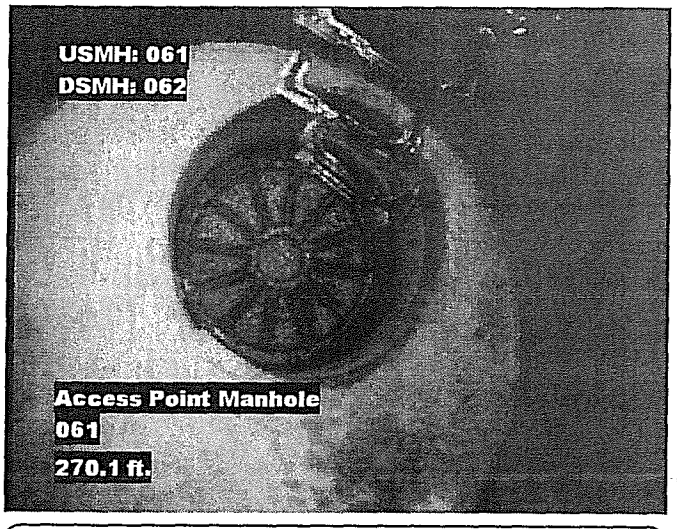
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
061_062	Hillview	Easement	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
061			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
062	270.1		8	8		



Distance: 270.1 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 061

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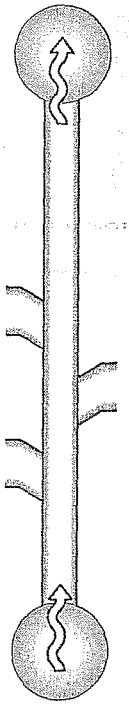
Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
061_060	Hillview	Easement	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
060			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
061	224.9		8	8		

SPR	N/A	MPR	N/A	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	N/A	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	N/A		

OPR	Surveyed By	Direction	Date	Media label
N/A	Bunch	Upstream	20130618	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
N/A		Jetting	15:22	Dry
Date Cleaned			End Time	Additional Info
20130618			15:32	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
57.8 ft.	Tap Factory Made
75.4 ft.	Tap Break-In Active
169.3 ft.	Tap Factory Made
224.9 ft.	General Observation

PIPE EYES

Pipe Eyes
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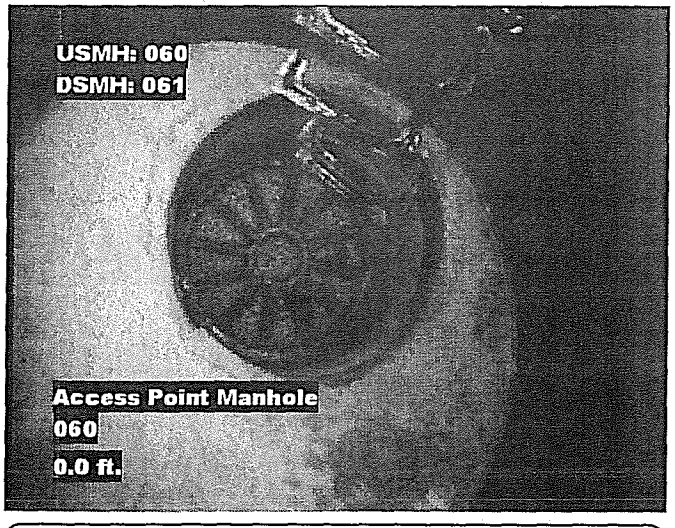
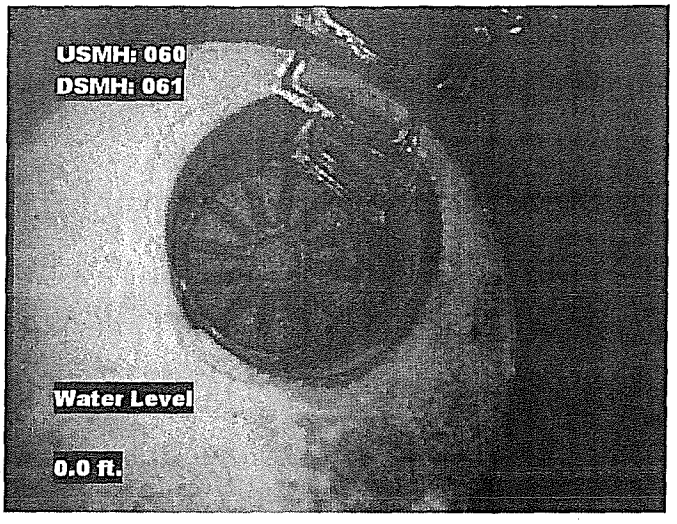
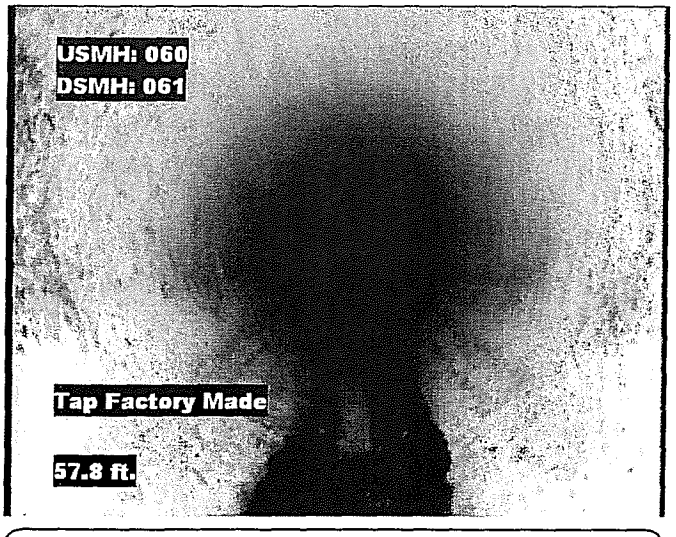
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
061_060	Hillview	Easement	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
060			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
061	224.9		8	8		



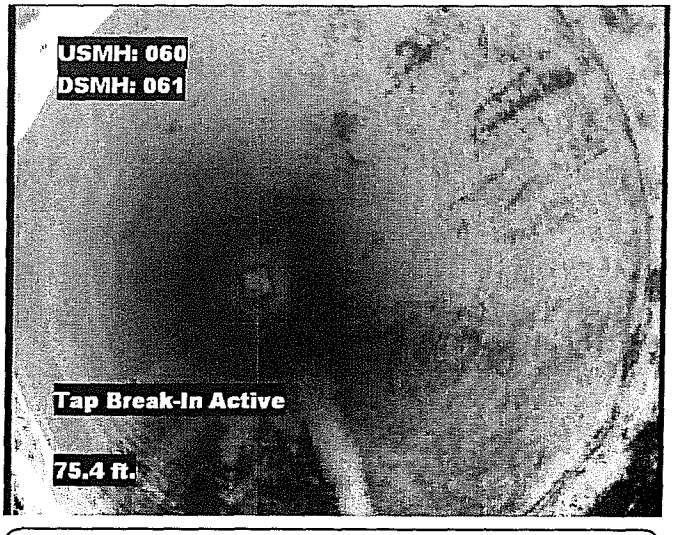
Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	060		



Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	57.8 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	75.4 ft.	Grade:	0
Condition:	Tap Break-In Active		
Remarks:	N/A		

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
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PIPE EYES

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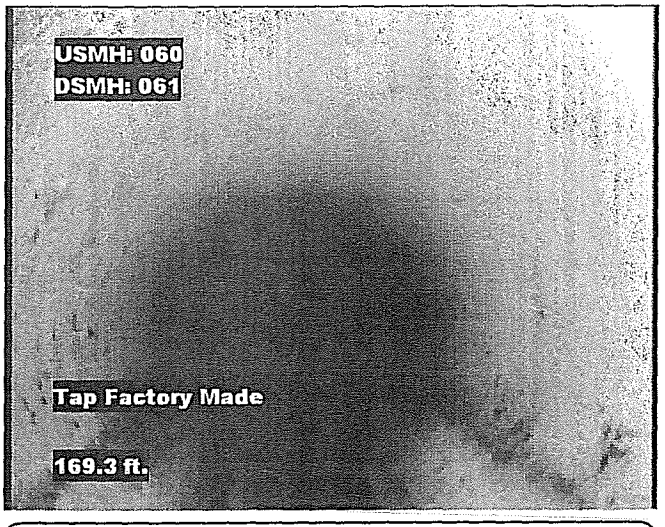
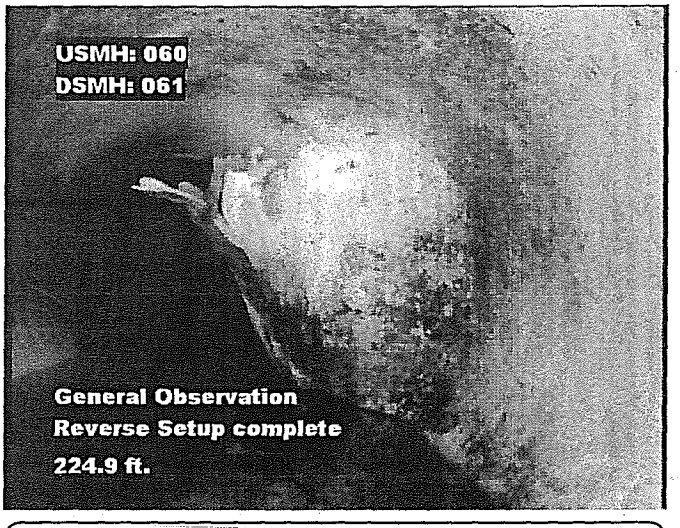
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
061_060	Hillview	Easement	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
060			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
061	224.9		8	8		



Distance: 169.3 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 224.9 ft. **Grade:** 0
Condition: General Observation
Remarks: Reverse Setup complete

Pipe Eyes
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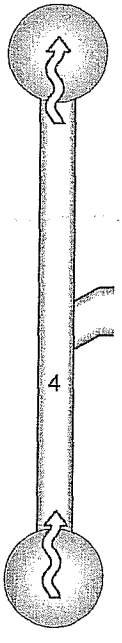
PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
062_063	Hillview	Carter Ave	PolyVinyl Chloride	Light High...	Sanitary
Upstream MH	**Total Length**	**Year Laid**	**Shape**	**Location Details**	
062			Circular		
DS Manhole	**Length surveyed**	**Year Renewed**	**Height / Width**	**Pipe Joint...**	
063	322.3		8 / 8		

SPR	4	MPR	N/A	PO Number	Customer: City of Hillview
SPRI	4	MPRI	N/A	Work Order	Purpose: Capital Improvement Program As...
QSR	4100	QMR	N/A		

OPR	Surveyed By	Direction	Date	Media label
4	Bunch	Upstream	20130619	1
OPRI	**Certificate Number**	**Pre-Cleaning**	**Time**	**Weather**
4		Jetting	08:26	Dry
Date Cleaned			**End Time**	**Additional Info**
20130619			08:43	



0.0 ft.	Access Point Manhole	
0.0 ft.	Water Level	
52.9 ft.	Tap Factory Made	
79.8 ft.	Deformed Vertically	Top of pipe is pushed down
322.3 ft.	Access Point Manhole	

Pipe Eyes
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PIPE EYES

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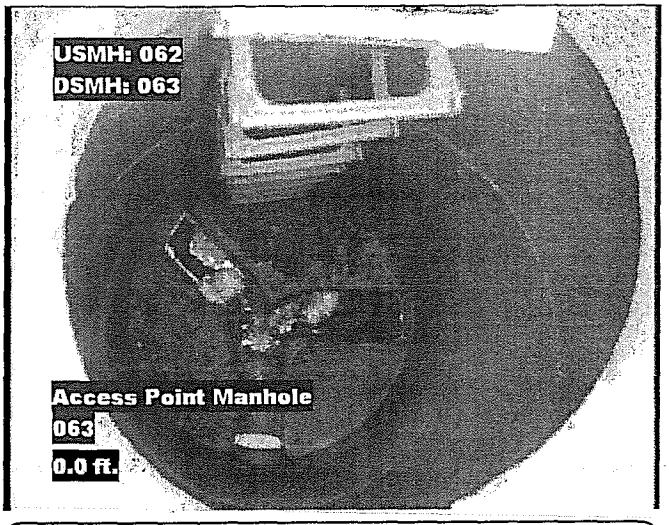
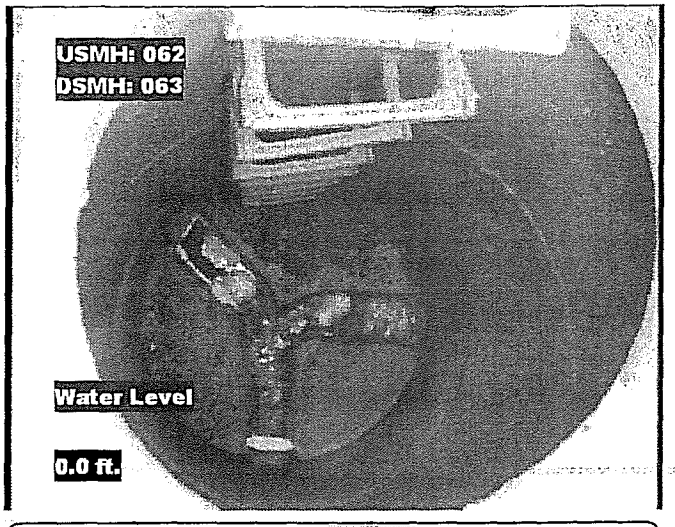
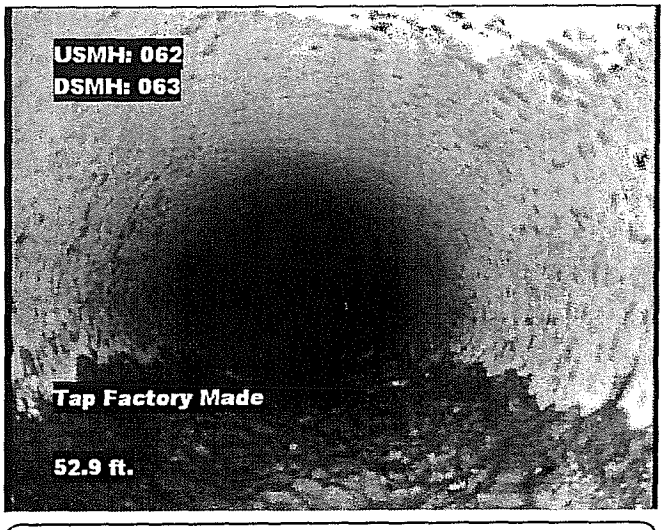
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
062_063	Hillview	Carter Ave	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
062			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
063	322.3		8	8		



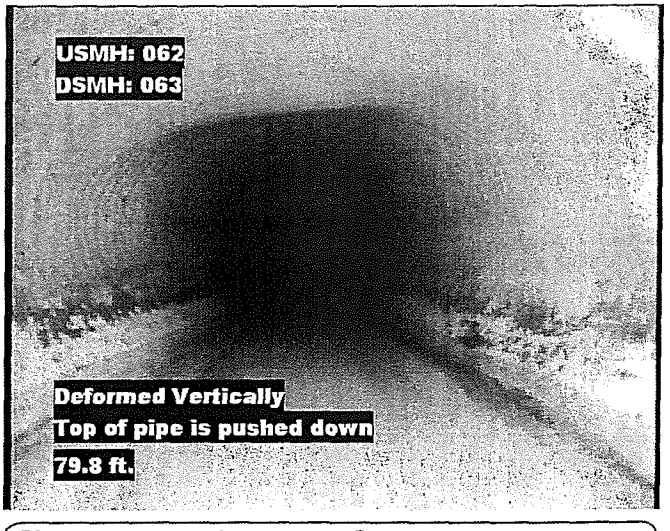
Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: 063



Distance: 0.0 ft. Grade: 0
Condition: Water Level
Remarks: N/A



Distance: 52.9 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 79.8 ft. Grade: 4
Condition: Deformed Vertically
Remarks: Top of pipe is pushed down

Pipe Eyes
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PIPE EYES

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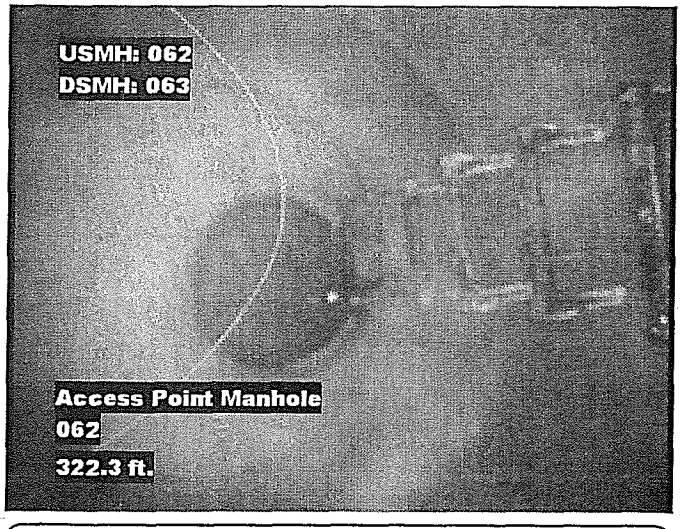
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
062_063	Hillview	Carter Ave	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
062			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
063	322.3		8	8		



Distance: 322.3 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 062

Pipe Eyes
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Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
063_064	Hillview	Carter Ave	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
063			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
064	237.5		8	8		

SPR	N/A	MPR	N/A	PO Number	Customer
SPRI	N/A	MPRI	N/A		City of Hillview
QSR	N/A	QMR	N/A	Work Order	Purpose
					Capital Improvement Program As...

OPR	Surveyed By	Direction	Date	Media label
N/A	Bunch	Downstream	20130619	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
N/A		Jetting	08:49	Dry
Date Cleaned			End Time	Additional Info
20130619			09:15	

0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
112.9 ft.	Tap Break-In Active
237.5 ft.	Access Point Manhole

PIPE EYES

Pipe Eyes
145 Smith Lane
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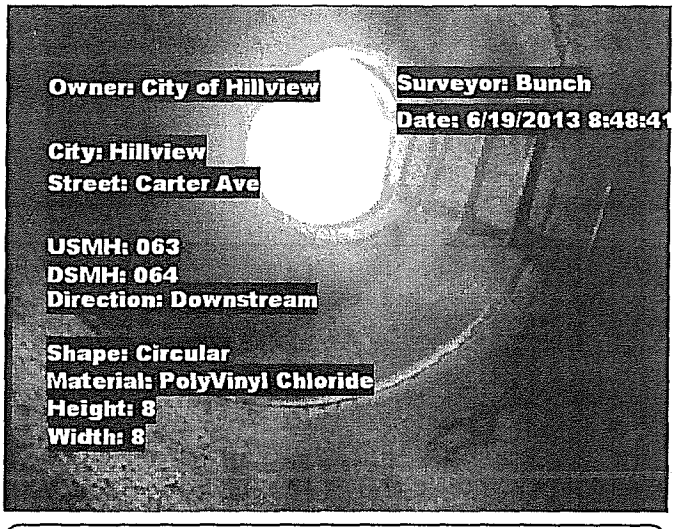
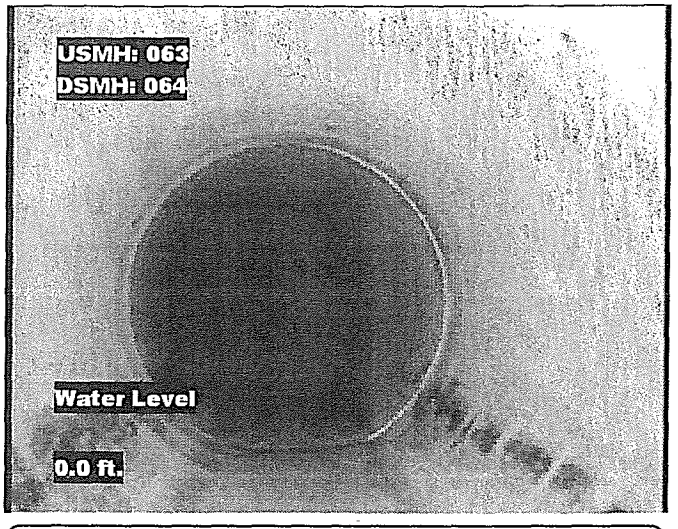
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
063_064	Hillview	Carter Ave	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
063			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
064	237.5		8	8		

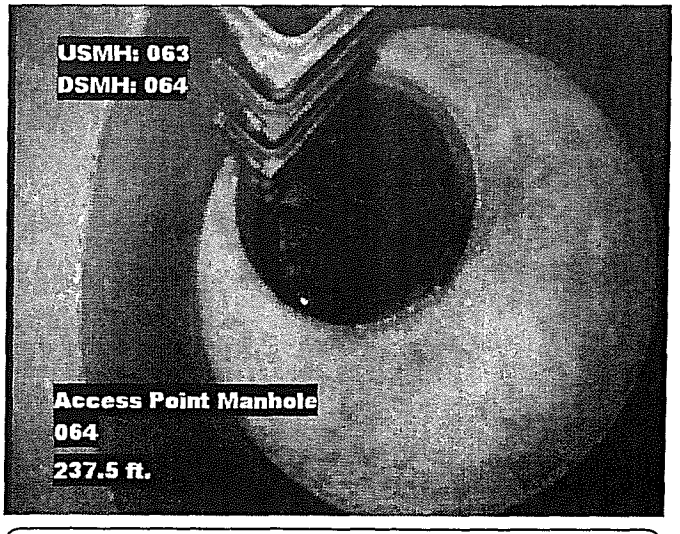


Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	063		



Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		

Distance:	112.9 ft.	Grade:	0
Condition:	Tap Break-In Active		
Remarks:	N/A		



Distance:	237.5 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	064		

Pipe Eyes
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Defect Listing Plot

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
064_065	Hillview	Carter Ave	PolyVinyl Chloride	Light High...	Sanitary

Upstream MH	Total Length	Year Laid	Shape	Location Details
064			Circular	

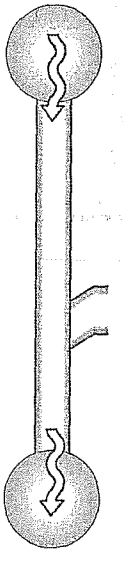
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
065	158.2		8	8		

SPR	N/A	MPR	N/A	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	N/A	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	N/A		

OPR	Surveyed By	Direction	Date	Media label
N/A	Bunch	Downstream	20130619	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A		Jetting	09:16	Dry	

Date Cleaned	End Time	Additional Info
20130619	09:21	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
145.2 ft.	Tap Factory Made
158.2 ft.	Access Point Manhole

Pipe Eyes
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Louisville KY 40229 Kentucky 40229
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PIPE EYES

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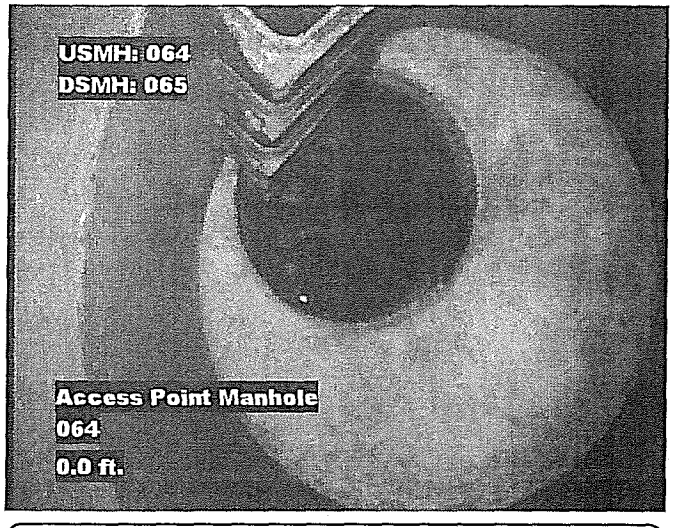
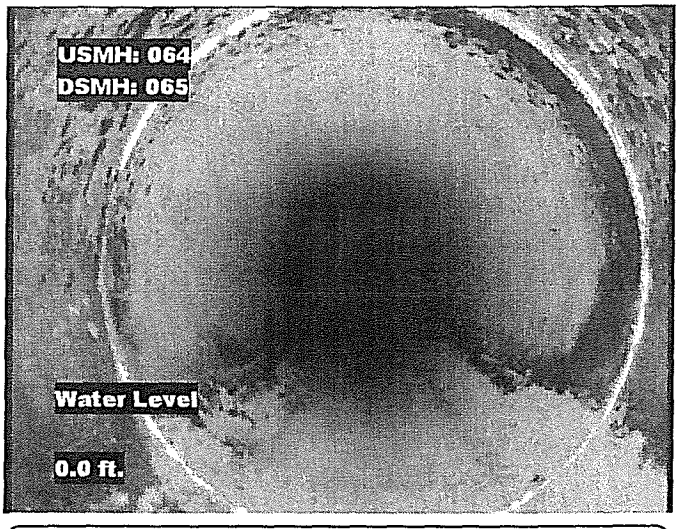
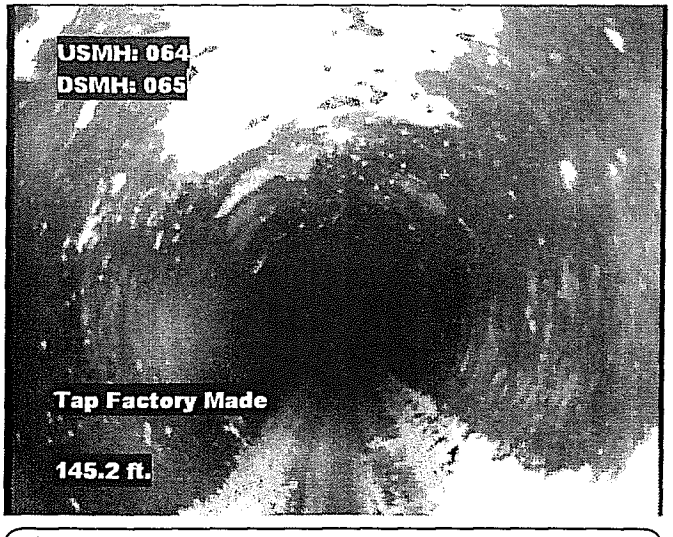
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
064_065	Hillview	Carter Ave	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
064			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
065	158.2		8	8		



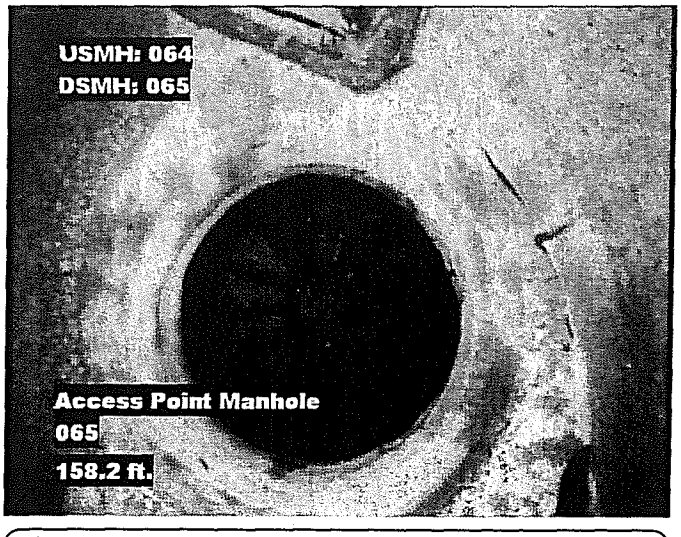
Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	064		



Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	145.2 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	158.2 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	065		

Pipe Eyes
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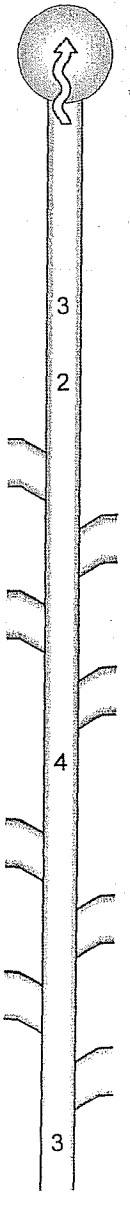
Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
066_067	Hillview	Earlywood Way	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
066			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
067	240.7		8	8		

SPR	N/A	MPR	21	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	3.5	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	5142		

OPR	Surveyed By	Direction	Date	Media label
21	Bunch	Upstream	20130619	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
3.5		Jetting	10:35	Dry
Date Cleaned			End Time	Additional Info
20130619			10:58	

0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
3.0 ft.	Infiltration Dripper
10.2 ft.	Deposits Attached Grease
33.6 ft.	Tap Factory Made Capped
35.1 ft.	Tap Factory Made Capped
106.0 ft.	Tap Factory Made
108.1 ft.	Tap Factory Made
153.1 ft.	Infiltration Runner
164.4 ft.	Tap Factory Made Capped
166.7 ft.	Tap Factory Made Capped
222.8 ft.	Tap Factory Made
224.7 ft.	Tap Factory Made Capped
235.2 ft.	Infiltration Dripper



Pipe Eyes
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Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
066_067	Hillview	Earlywood Way	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
066			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
067	240.7		8	8		

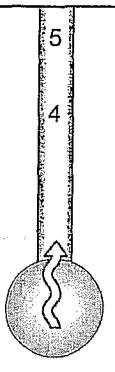
SPR	N/A	MPR	21	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	3.5	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	5142		

OPR	Surveyed By	Direction	Date	Media label
21	Bunch	Upstream	20130619	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
3.5		Jetting	10:35	Dry
Date Cleaned			End Time	Additional Info
20130619			10:58	

240.7 ft. Infiltration Gusher

240.7 ft. Infiltration Runner

240.7 ft. Access Point Manhole



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PIPE EYES

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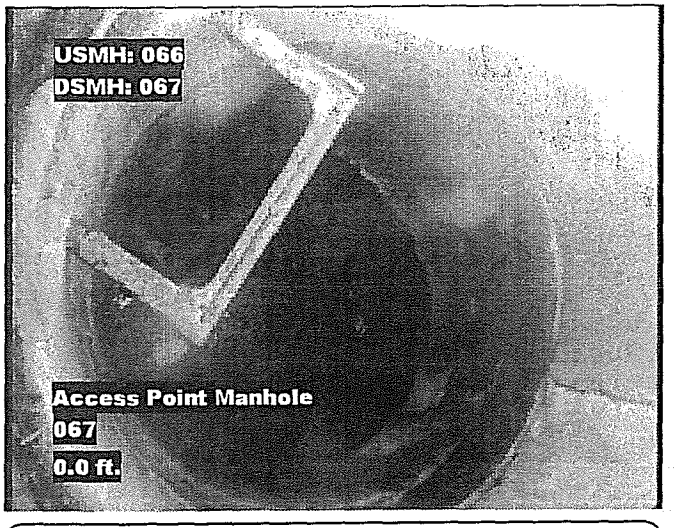
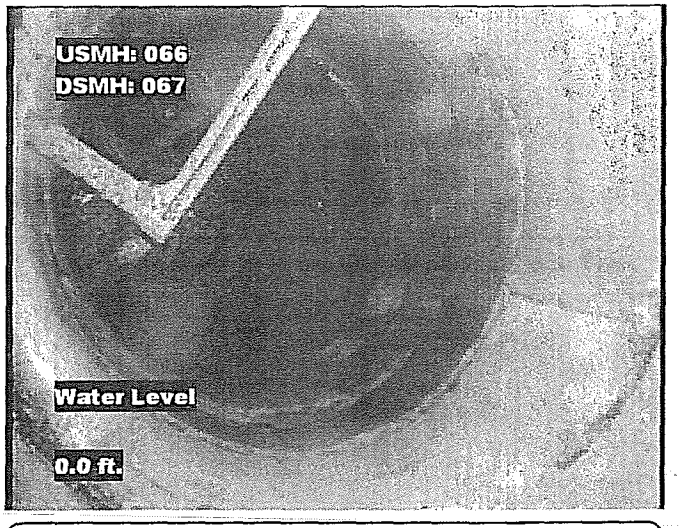
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
066_067	Hillview	Earlywood Way	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
066			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
067	240.7		8	8		



Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: 067



Distance: 0.0 ft. Grade: 0
Condition: Water Level
Remarks: N/A

Distance: 3.0 ft. Grade: 3
Condition: Infiltration Dripper
Remarks: N/A

Distance: 10.2 ft. Grade: 2
Condition: Deposits Attached Grease
Remarks: N/A

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PIPE EYES

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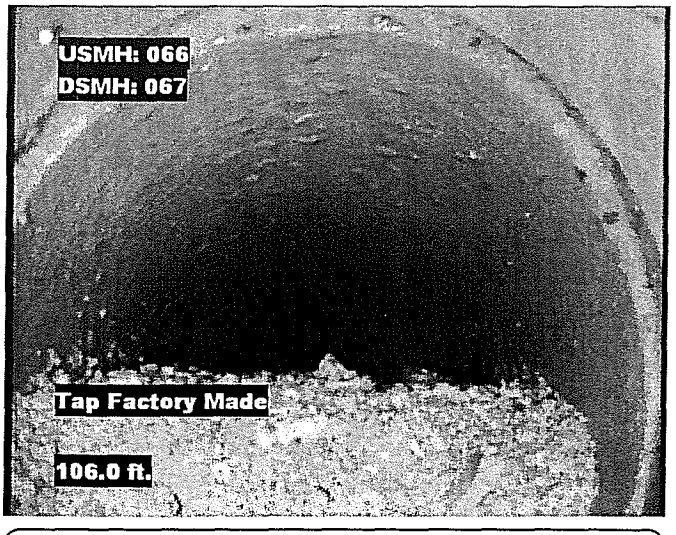
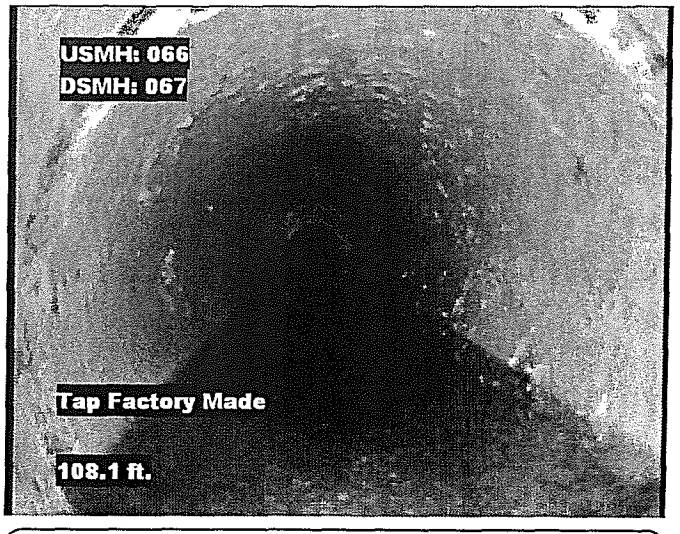
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
066_067	Hillview	Earlywood Way	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
066			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
067	240.7		8	8		

Distance: 33.6 ft. **Grade:** 0
Condition: Tap Factory Made Capped
Remarks: N/A

Distance: 35.1 ft. **Grade:** 0
Condition: Tap Factory Made Capped
Remarks: N/A



Distance: 106.0 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 108.1 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A

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PIPE EYES

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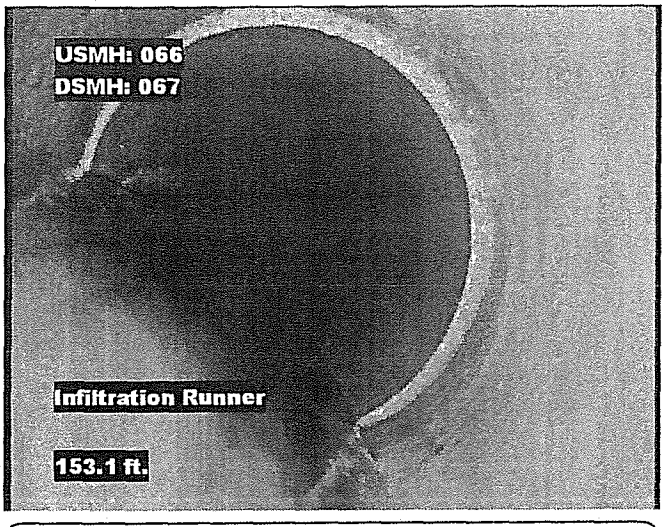
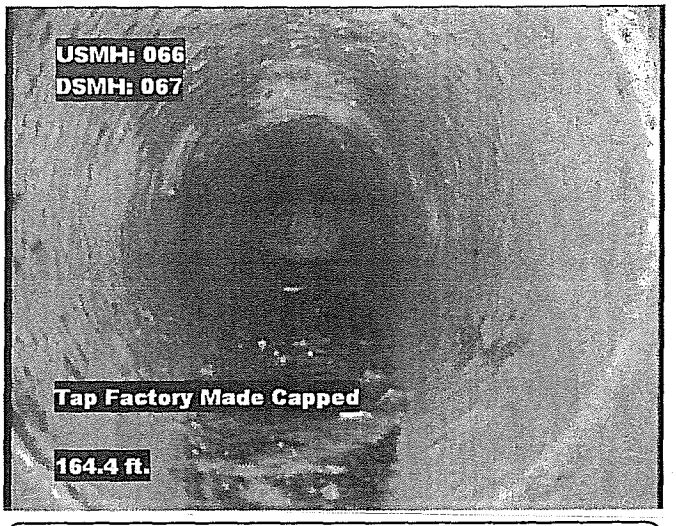
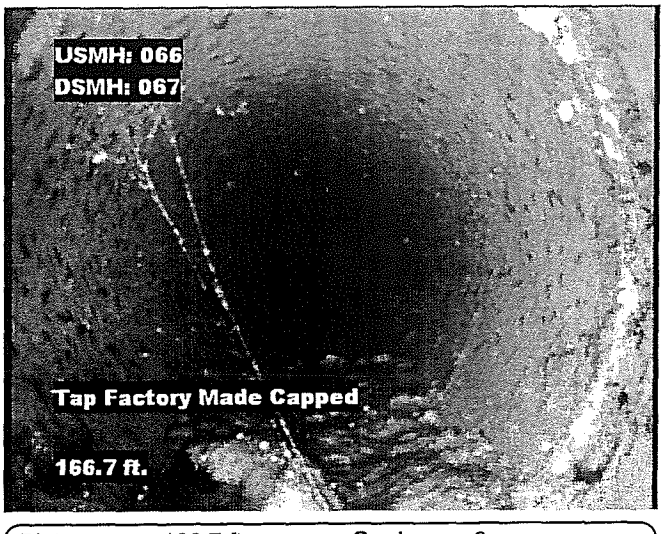
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
066_067	Hillview	Earlywood Way	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
066			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
067	240.7		8	8		



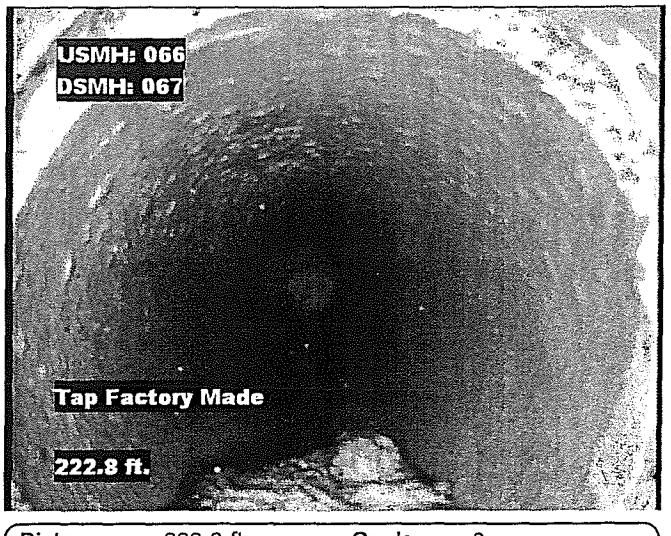
Distance: 153.1 ft. Grade: 4
Condition: Infiltration Runner
Remarks: N/A



Distance: 164.4 ft. Grade: 0
Condition: Tap Factory Made Capped
Remarks: N/A



Distance: 166.7 ft. Grade: 0
Condition: Tap Factory Made Capped
Remarks: N/A



Distance: 222.8 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

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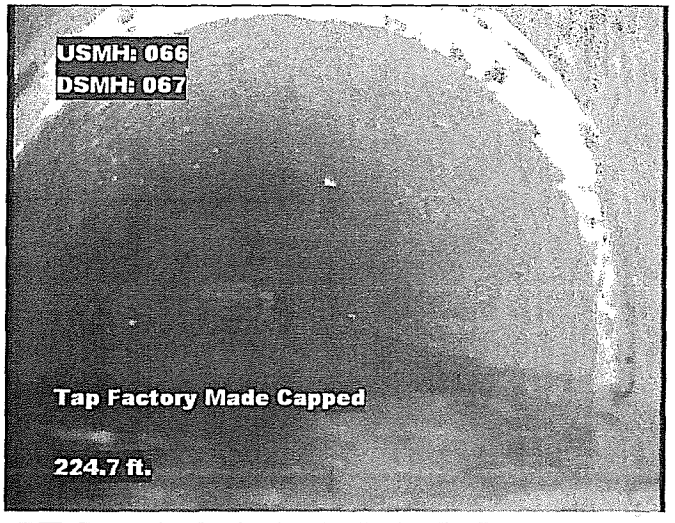
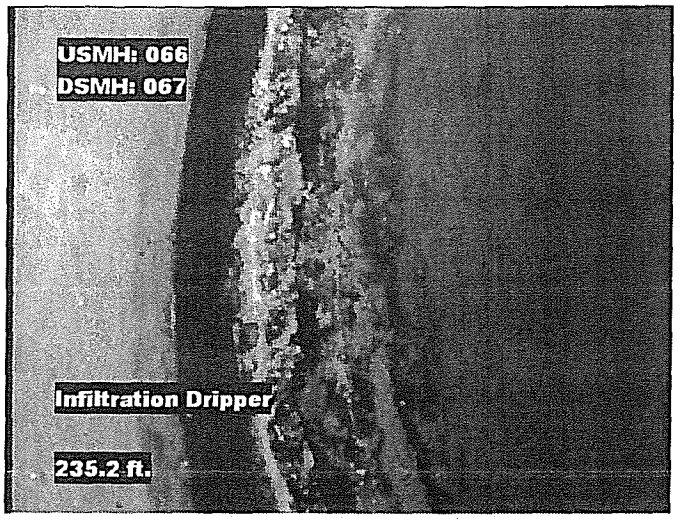
PIPE EYES

Image Report 4/Page

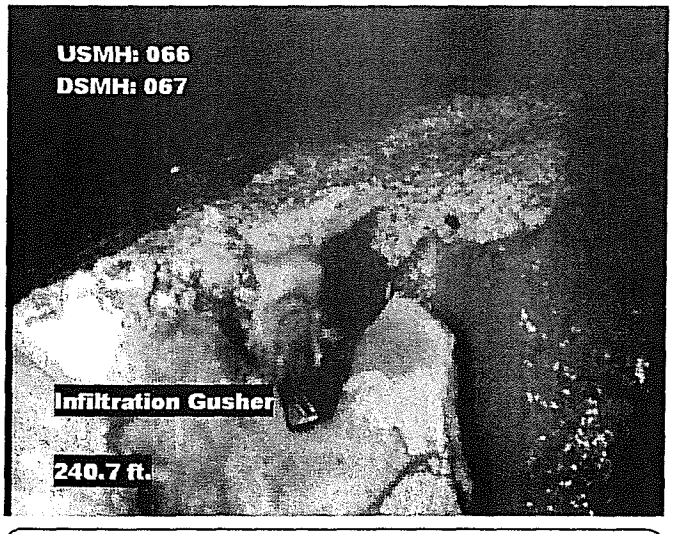
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
066_067	Hillview	Earlywood Way	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
066			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
067	240.7		8	8		



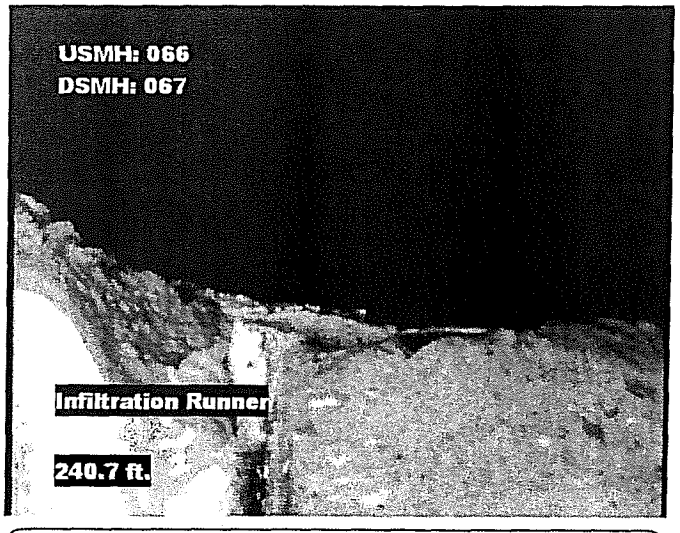
Distance: 224.7 ft. **Grade:** 0
Condition: Tap Factory Made Capped
Remarks: N/A



Distance: 235.2 ft. **Grade:** 3
Condition: Infiltration Dripper
Remarks: N/A



Distance: 240.7 ft. **Grade:** 5
Condition: Infiltration Gusher
Remarks: N/A



Distance: 240.7 ft. **Grade:** 4
Condition: Infiltration Runner
Remarks: N/A

Pipe Eyes
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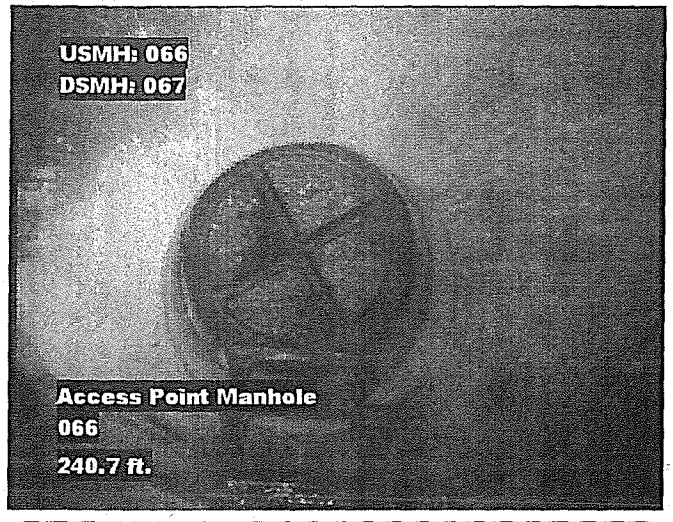
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
066_067	Hillview	Earlywood Way	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
066			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
067	240.7		8	8		



Distance: 240.7 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 066

Pipe Eyes
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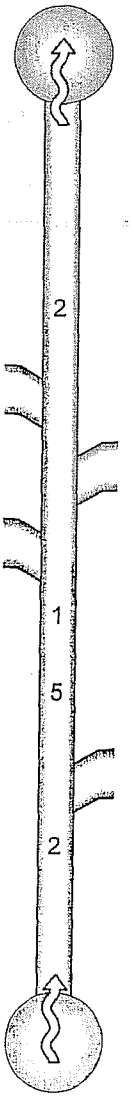
PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
068_066	Hillview	Earlywood Way	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
068			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
066	157.7		8	8		

SPR	N/A	MPR	64	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	2.1	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	512D		

OPR	Surveyed By	Direction	Date	Media label
64	Bunch	Upstream	20130619	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
2.1		Jetting	11:01	Dry
Date Cleaned			End Time	Additional Info
20130619			11:09	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
13.4 ft.	Deposits Attached Grease - S01
42.4 ft.	Tap Factory Made
44.3 ft.	Tap Factory Made
104.8 ft.	Tap Factory Made
105.3 ft.	Roots Fine Joint
106.9 ft.	Infiltration Gusher
106.9 ft.	Tap Factory Made
157.7 ft.	Deposits Attached Grease - F01
157.7 ft.	Access Point Manhole

Pipe Eyes
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PIPE EYES

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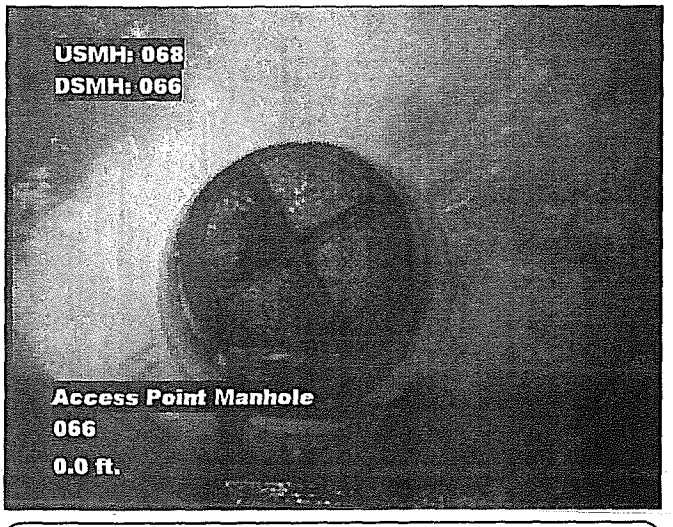
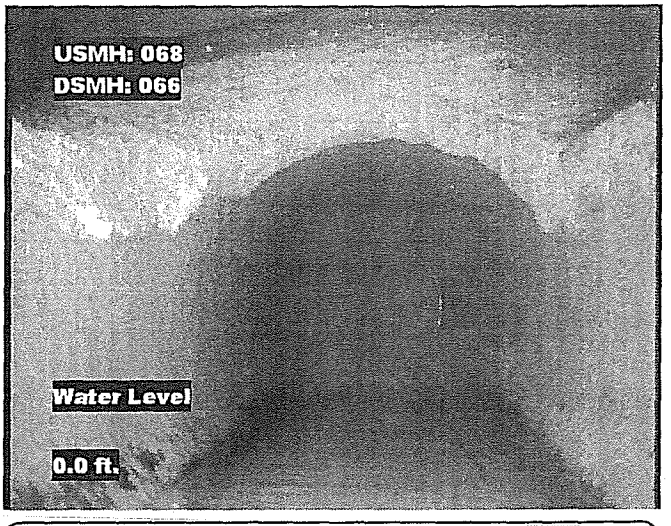
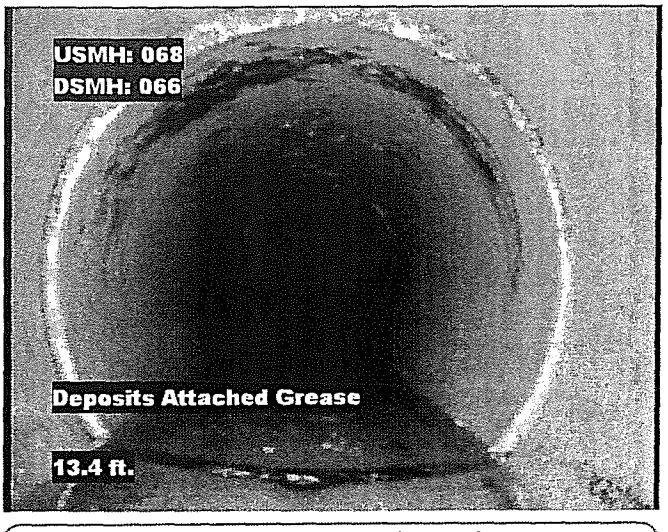
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
068_066	Hillview	Earlywood Way	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
068			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
066	157.7		8	8		



Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: 066



Distance: 0.0 ft. Grade: 0
Condition: Water Level
Remarks: N/A



Distance: 13.4 ft. Grade: 2
Condition: Deposits Attached Grease
Remarks: N/A

Distance: 42.4 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

Pipe Eyes
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PIPE EYES

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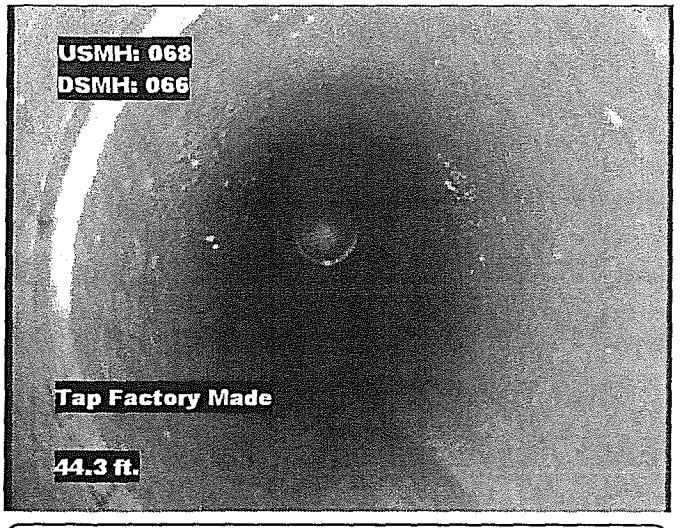
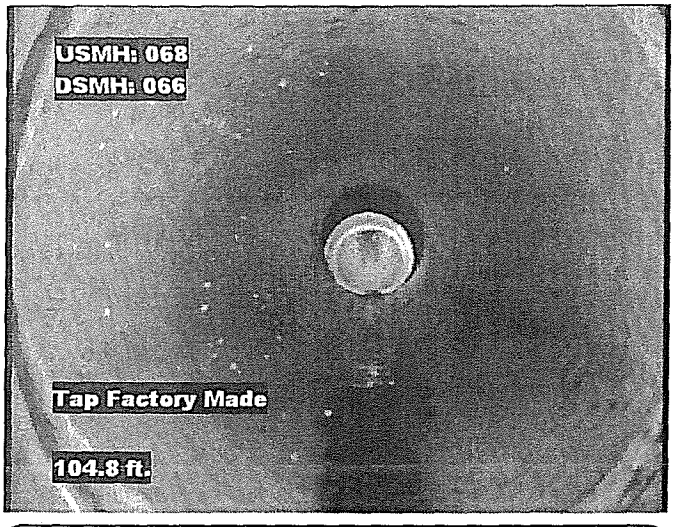
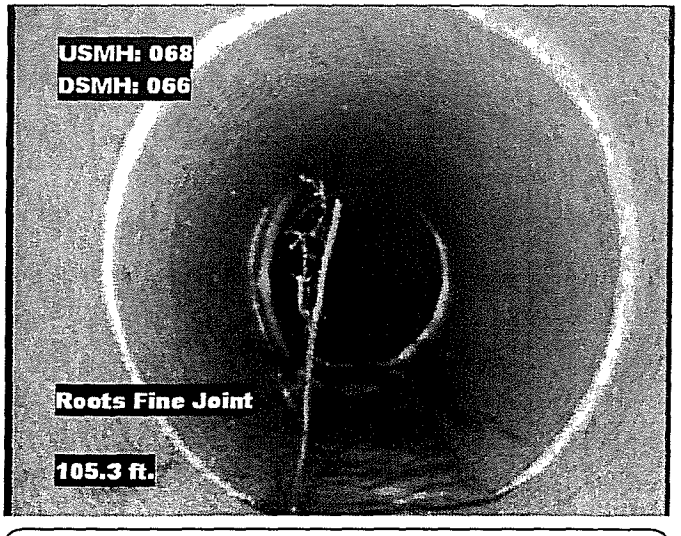
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
068_066	Hillview	Earlywood Way	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
068			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
066	157.7		8	8		



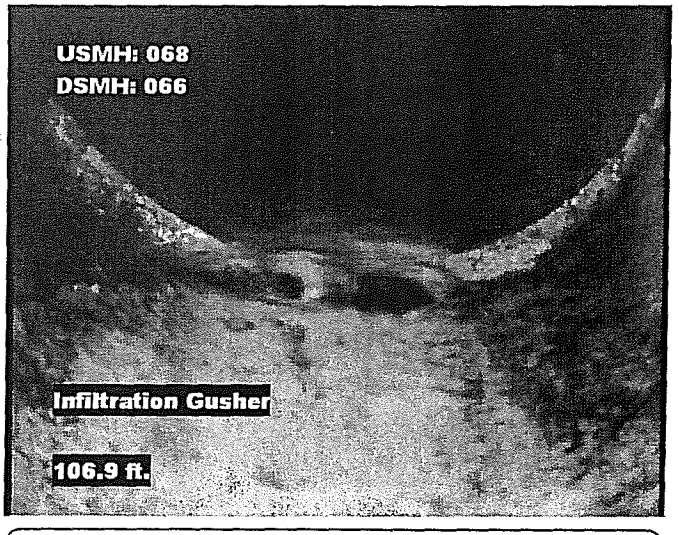
Distance: 44.3 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 104.8 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 105.3 ft. **Grade:** 1
Condition: Roots Fine Joint
Remarks: N/A



Distance: 106.9 ft. **Grade:** 5
Condition: Infiltration Gusher
Remarks: N/A

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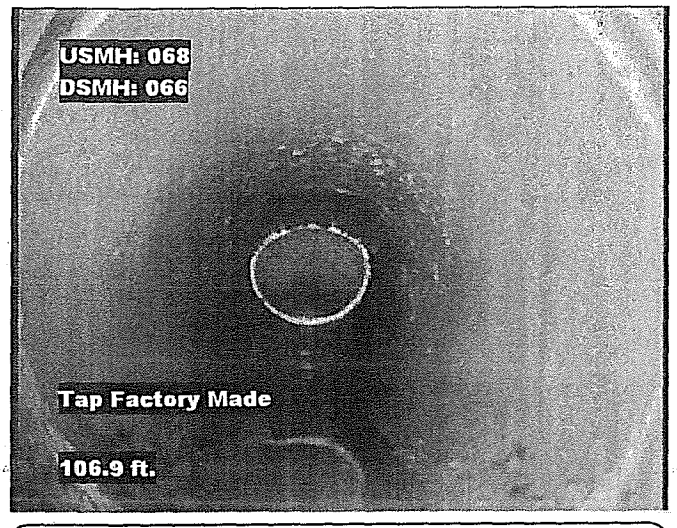
PIPE EYES

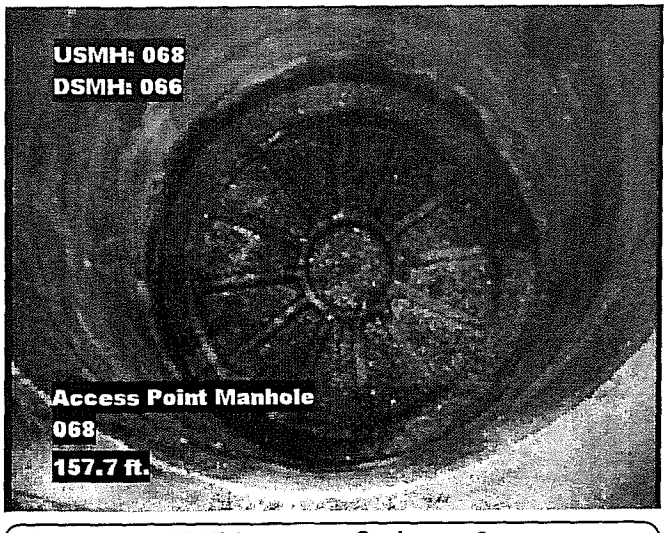
Image Report 4/Page

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
068_066	Hillview	Earlywood Way	PolyVinyl Chloride	Light High...	Sanitary
Upstream MH	**Total Length**	**Year Laid**	**Shape**	**Location Details**	
068			Circular		
DS Manhole	**Length surveyed**	**Year Renewed**	**Height / Width**	**Pipe Joint...**	
066	157.7		8 / 8		



Distance: 106.9 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A

Distance: 157.7 ft. **Grade:** 2
Condition: Deposits Attached Grease
Remarks: N/A



Distance: 157.7 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 068

Pipe Eyes
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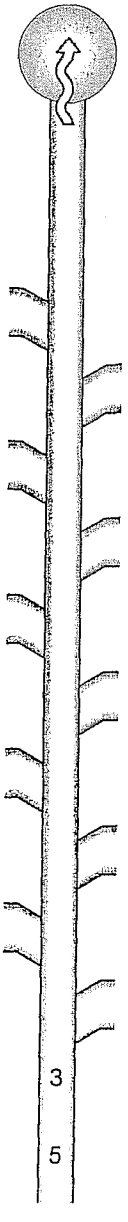
PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
069_068	Hillview	Earlywood Way	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
069			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
068	293.5		8	8		

SPR	N/A	MPR	8	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	4	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	5131		

OPR	Surveyed By	Direction	Date	Media label
8	Bunch	Upstream	20130619	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
4		Jetting	11:13	Dry
Date Cleaned			End Time	Additional Info
20130619			12:23	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
14.7 ft.	Tap Factory Made
16.7 ft.	Tap Factory Made
73.0 ft.	Tap Factory Made
75.0 ft.	Tap Factory Made
133.1 ft.	Tap Factory Made
135.1 ft.	Tap Factory Made
191.4 ft.	Tap Factory Made
193.3 ft.	Tap Factory Made
256.8 ft.	Tap Factory Made
258.6 ft.	Tap Factory Made
284.0 ft.	Roots Medium Joint
293.5 ft.	Roots Ball Barrell

Pipe Eyes
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Defect Listing Plot

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
069_068	Hillview	Earlywood Way	PolyVinyl Chloride	Light High...	Sanitary

Upstream MH	Total Length	Year Laid	Shape	Location Details
069			Circular	

DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
068	293.5		8	8	

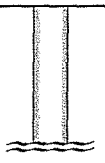
SPR	N/A	MPR	8	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	4	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	5131		

OPR	Surveyed By	Direction	Date	Media label
8	Bunch	Upstream	20130619	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather
4		Jetting	11:13	Dry

Date Cleaned	End Time	Additional Info
20130619	12:23	

293.5 ft. Survey Abandoned



Unable to pass due to root ball

Pipe Eyes
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PIPE EYES

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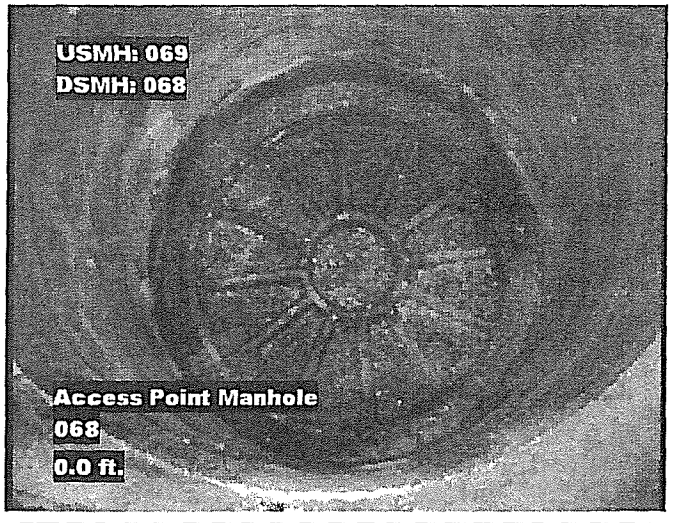
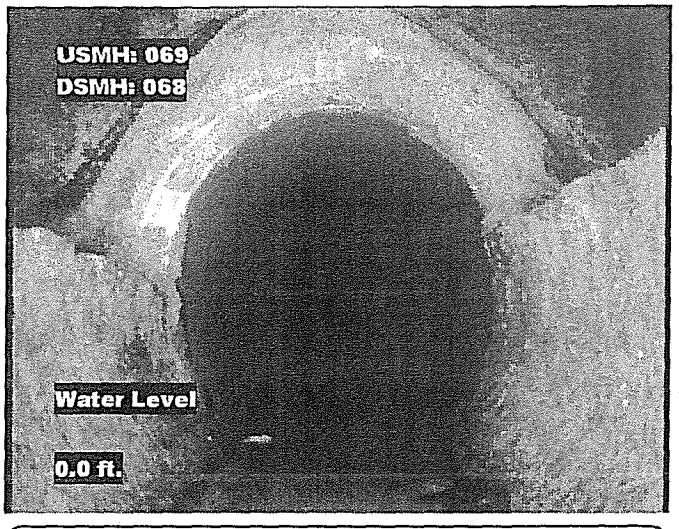
Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
069_068	Hillview	Earlywood Way	PolyVinyl Chloride	Light High...	Sanitary

Upstream MH	Total Length	Year Laid	Shape	Location Details
069			Circular	

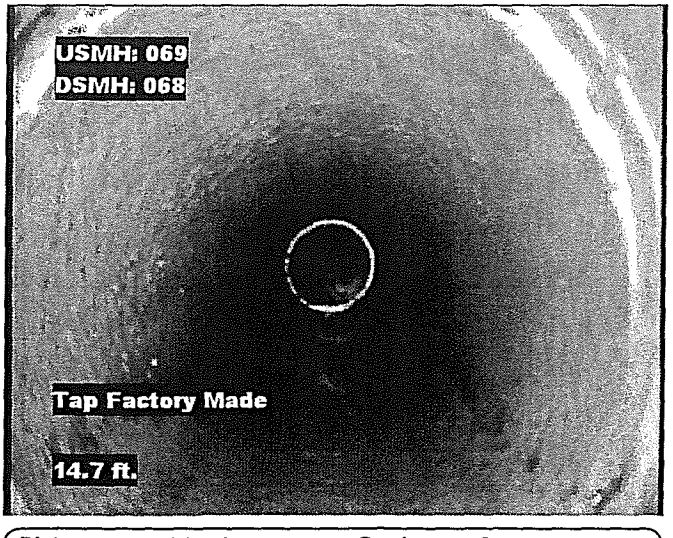
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
068	293.5		8	8		



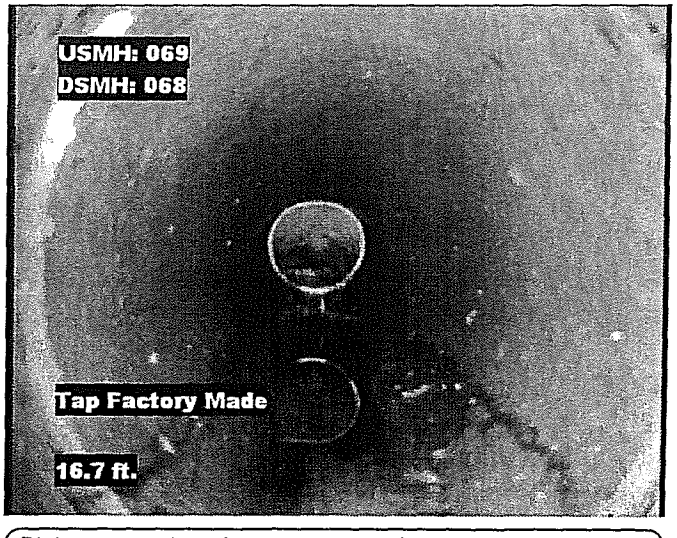
Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: 068



Distance: 0.0 ft. Grade: 0
Condition: Water Level
Remarks: N/A



Distance: 14.7 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 16.7 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

Pipe Eyes
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PIPE EYES

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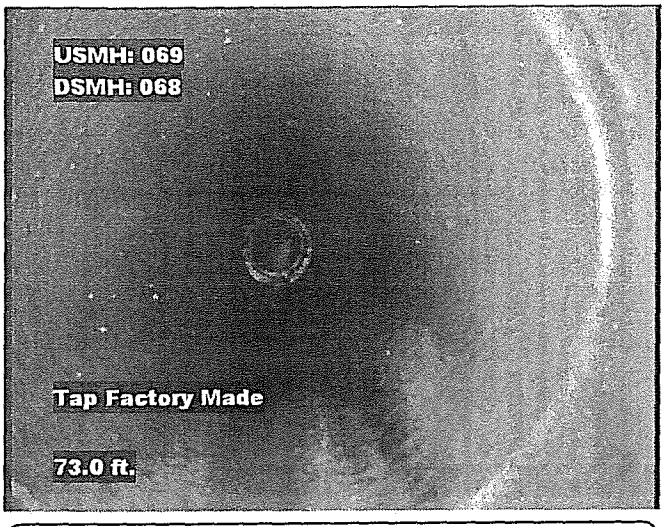
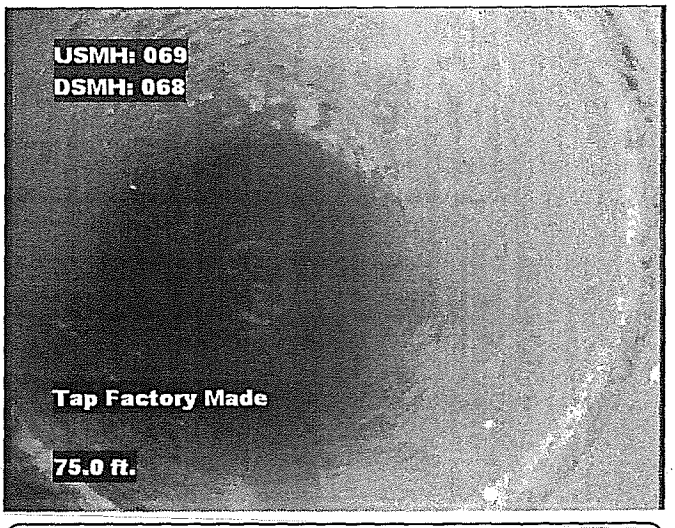
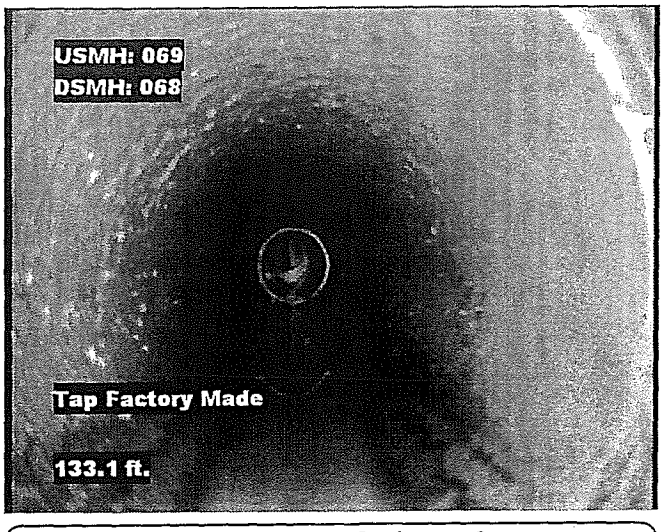
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
069_068	Hillview	Earlywood Way	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
069			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
068	293.5		8	8		



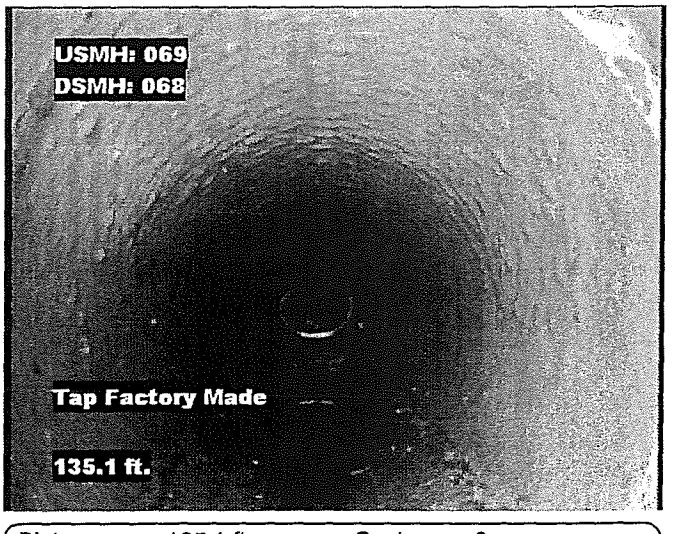
Distance: 73.0 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 75.0 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 133.1 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 135.1 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

Pipe Eyes
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PIPE EYES

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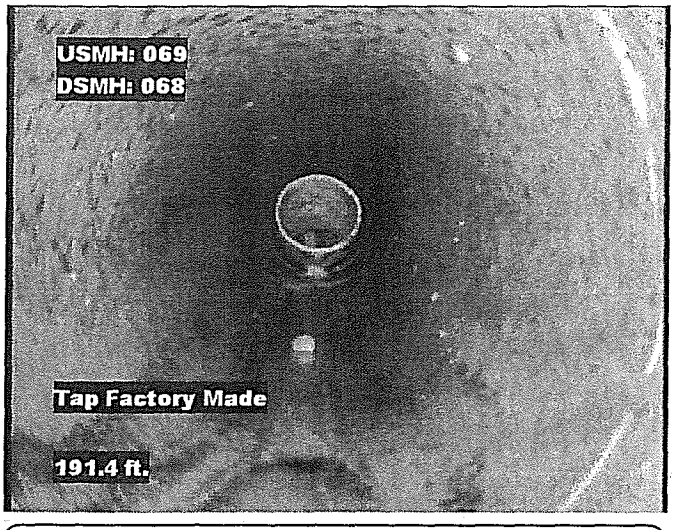
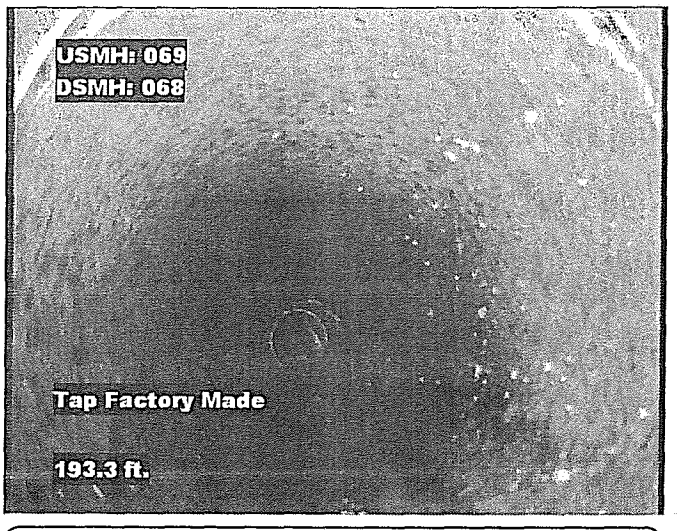
Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
069_068	Hillview	Earlywood Way	PolyVinyl Chloride	Light High...	Sanitary

Upstream MH	Total Length	Year Laid	Shape	Location Details
069			Circular	

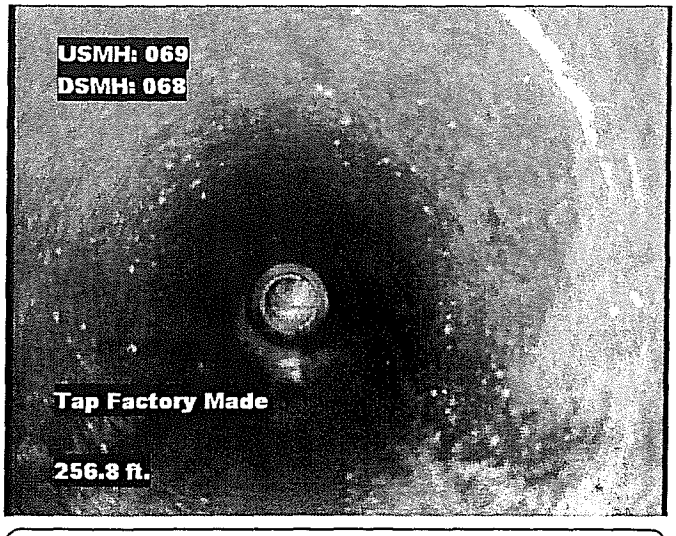
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
068	293.5		8	8		



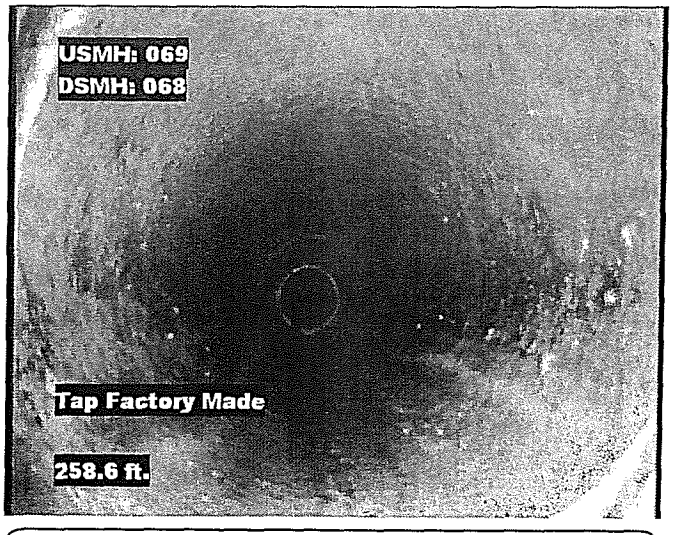
Distance: 191.4 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 193.3 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 256.8 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 258.6 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

Pipe Eyes
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PIPE EYES

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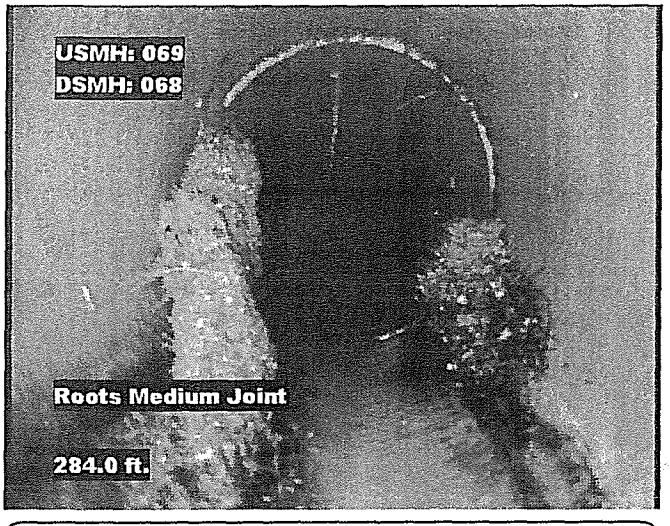
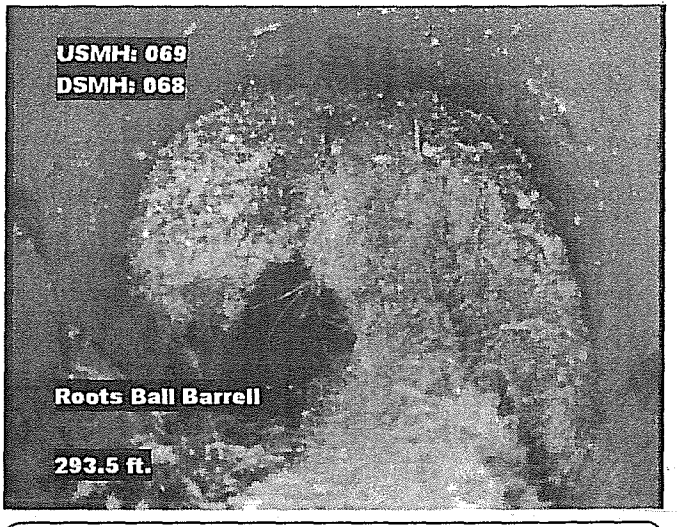
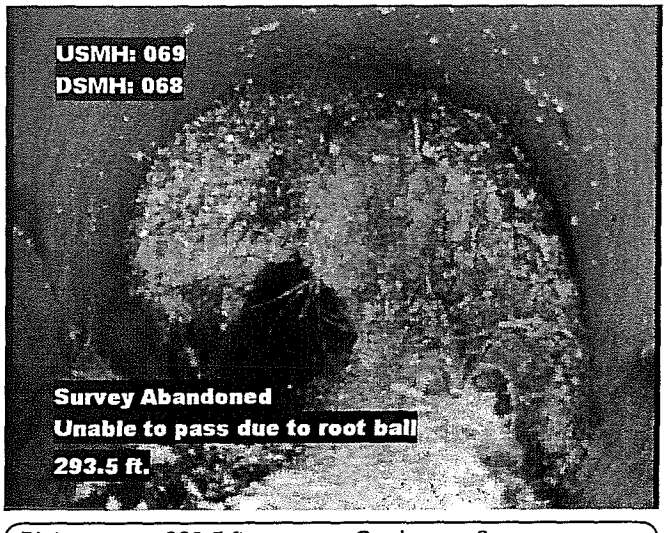
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
069_068	Hillview	Earlywood Way	PolyVinyl Chloride		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
069			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
068	293.5		8	8		



Distance: 284.0 ft. Grade: 3
Condition: Roots Medium Joint
Remarks: N/A



Distance: 293.5 ft. Grade: 5
Condition: Roots Ball Barrell
Remarks: N/A



Distance: 293.5 ft. Grade: 0
Condition: Survey Abandoned
Remarks: Unable to pass due to root ball

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PIPE EYES

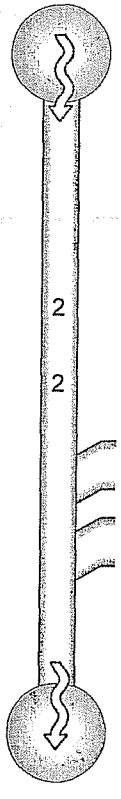
Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
067_070	Hillview	Earlywood Way	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
067			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
070	169.2		8	8		

SPR	N/A	MPR	4	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	2	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	2200		

OPR	Surveyed By	Direction	Date	Media label
4	Bunch	Downstream	20130619	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
2		Jetting	12:43	Dry
Date Cleaned			End Time	Additional Info
20130619			12:56	

0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
0.0 ft.	Deposits Attached Encrustation
31.0 ft.	Infiltration Weeper
31.7 ft.	Tap Factory Made Capped
127.3 ft.	Tap Factory Made Capped
169.2 ft.	Access Point Manhole



Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
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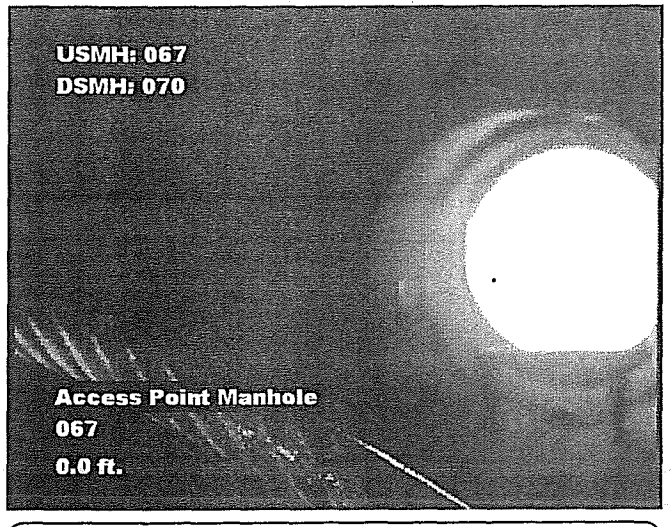
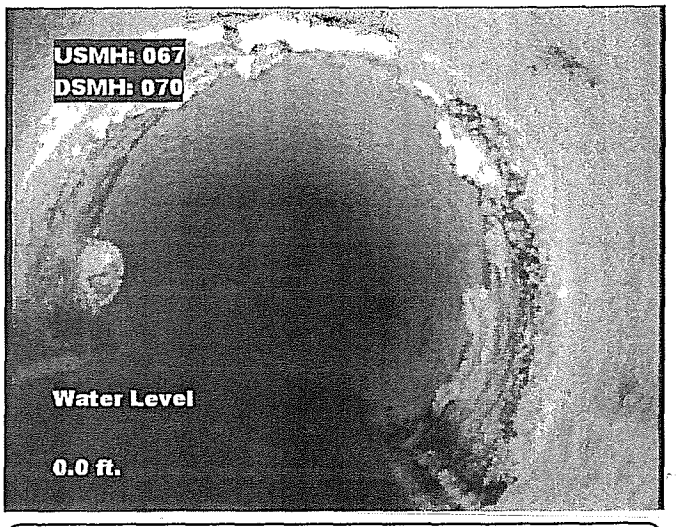
PIPE EYES

Image Report 4/Page

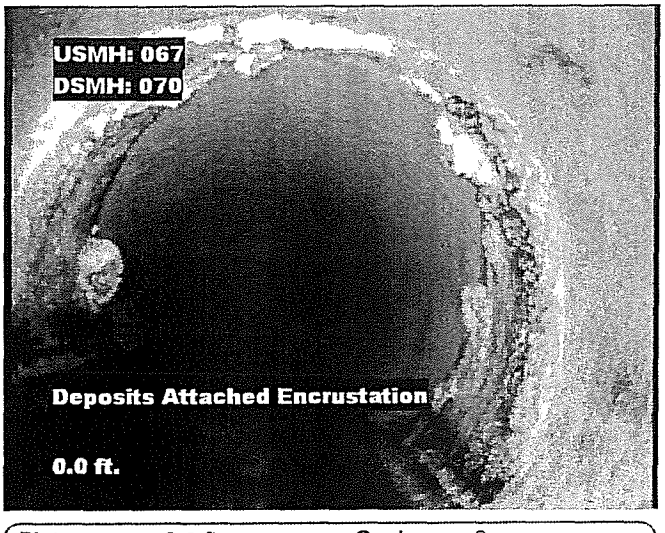
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
067_070	Hillview	Earlywood Way	Vitrified Clay Pipe		Light High...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
067			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
070	169.2		8	8		



Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	067		



Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	0.0 ft.	Grade:	2
Condition:	Deposits Attached Encrustation		
Remarks:	N/A		

Distance:	31.0 ft.	Grade:	2
Condition:	Infiltration Weeper		
Remarks:	N/A		

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PIPE EYES

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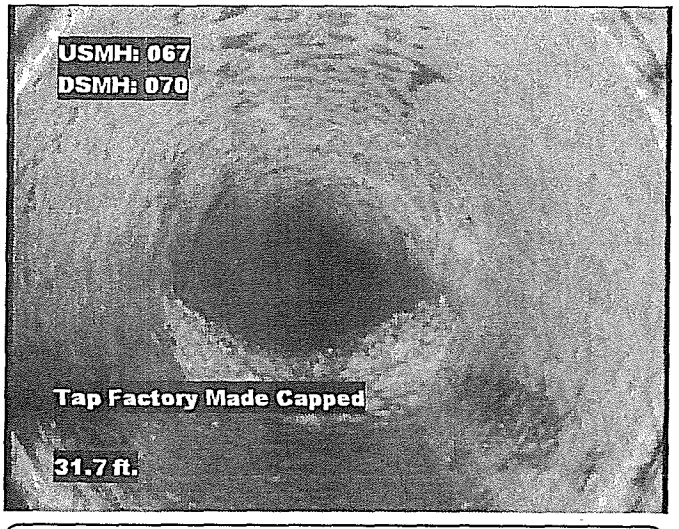
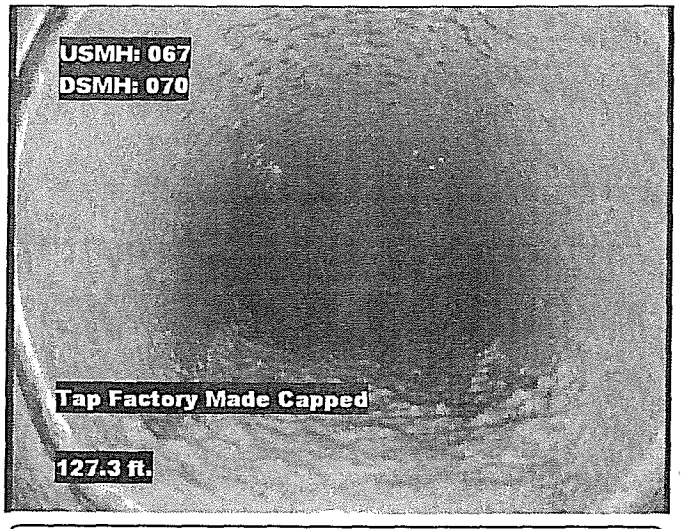
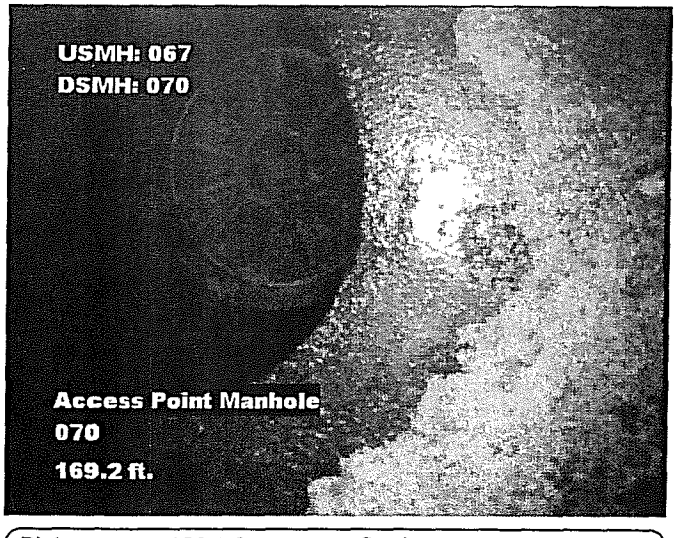
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
067_070	Hillview	Earlywood Way	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
067			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
070	169.2		8	8		



Distance: 31.7 ft. **Grade:** 0
Condition: Tap Factory Made Capped
Remarks: N/A



Distance: 127.3 ft. **Grade:** 0
Condition: Tap Factory Made Capped
Remarks: N/A



Distance: 169.2 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 070

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Defect Listing Plot

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
071_070	Hillview	Earlywood Way	Vitrified Clay Pipe	Light High...	Sanitary

Upstream MH	Total Length	Year Laid	Shape	Location Details
071			Circular	

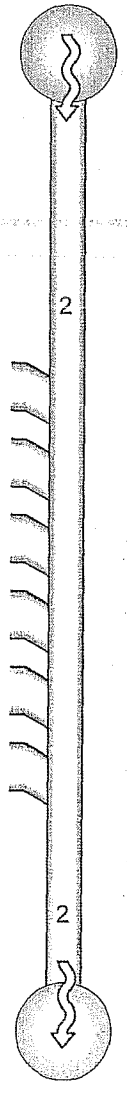
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
070	374		8	8	

SPR	N/A	MPR	142	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	2	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	2M00		

OPR	Surveyed By	Direction	Date	Media label
142	Bunch	Downstream	20130619	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather
2		Jetting	13:17	Dry

Date Cleaned	End Time	Additional Info
20130619	13:49	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
18.4 ft.	Deposits Attached Grease - S01
35.4 ft.	Tap Factory Made
97.3 ft.	Tap Factory Made
149.4 ft.	Tap Factory Made
216.4 ft.	Tap Factory Made
278.3 ft.	Tap Factory Made
345.5 ft.	Tap Factory Made
374.0 ft.	Access Point Manhole
374.0 ft.	Deposits Attached Grease - F01

Pipe Eyes
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PIPE EYES

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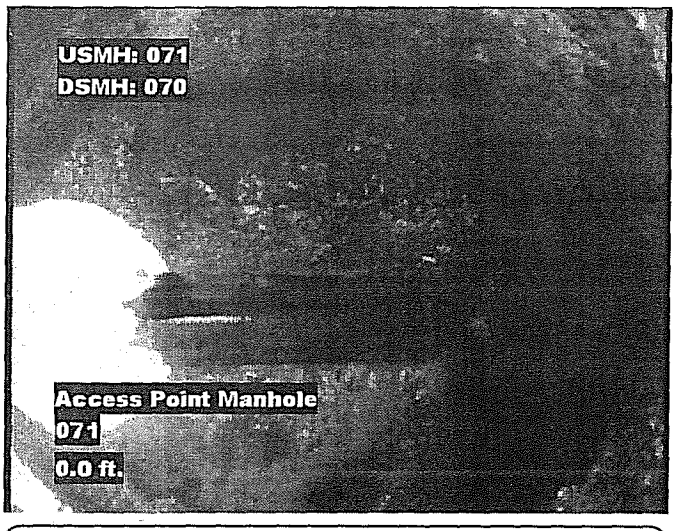
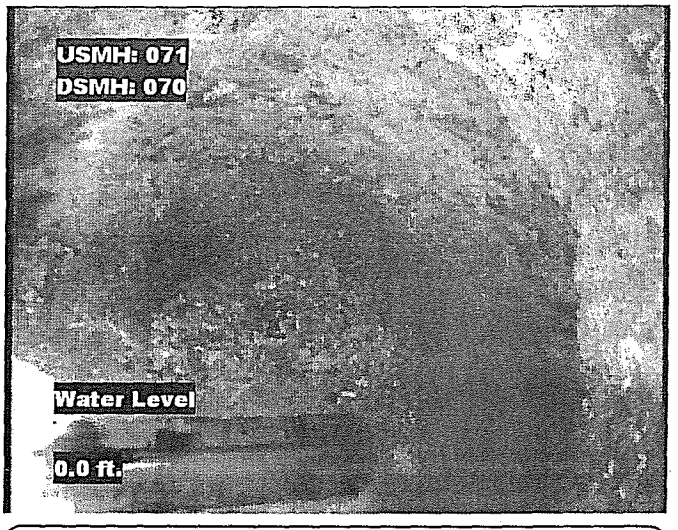
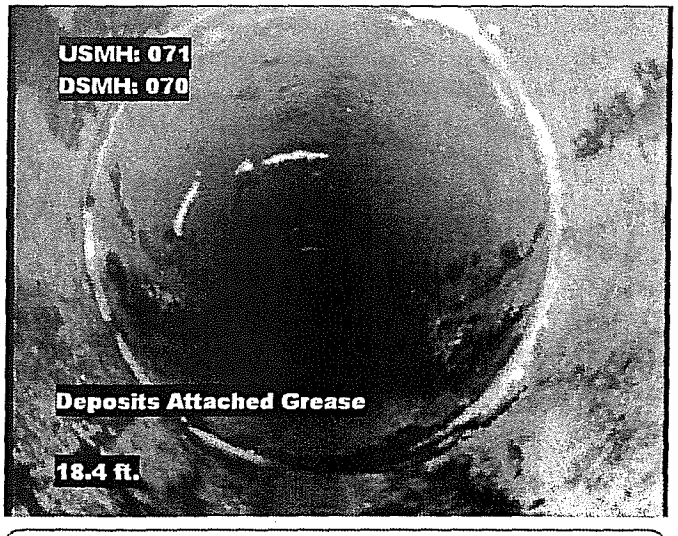
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
071_070	Hillview	Earlywood Way	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
071			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
070	374		8	8		



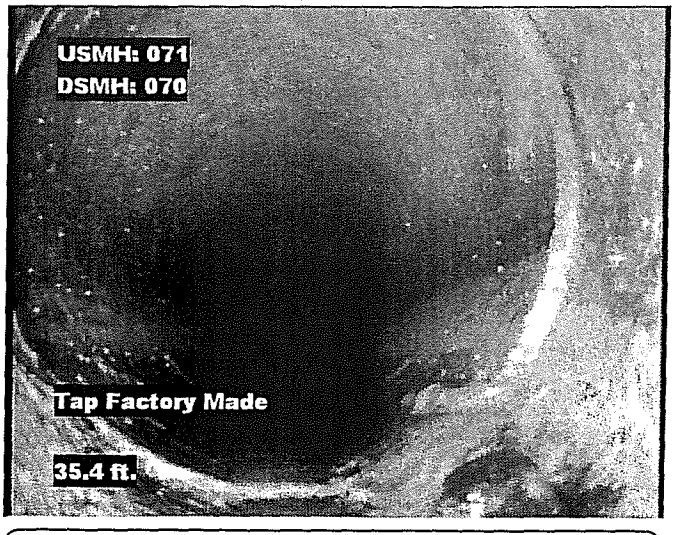
Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: 071



Distance: 0.0 ft. Grade: 0
Condition: Water Level
Remarks: N/A



Distance: 18.4 ft. Grade: 2
Condition: Deposits Attached Grease
Remarks: N/A



Distance: 35.4 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

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PIPE EYES

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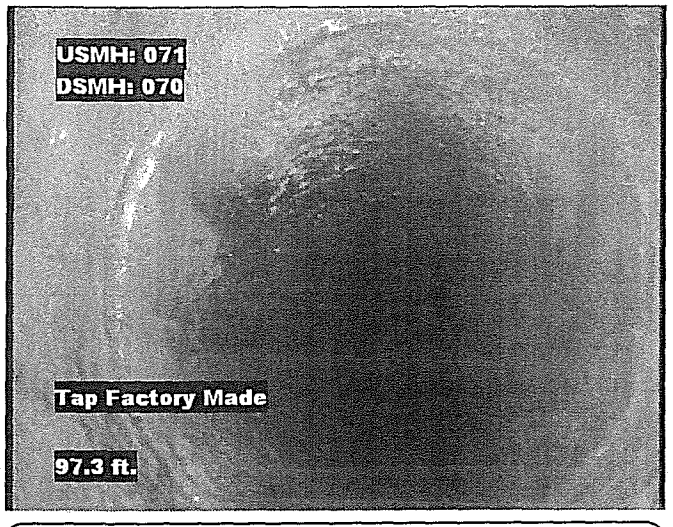
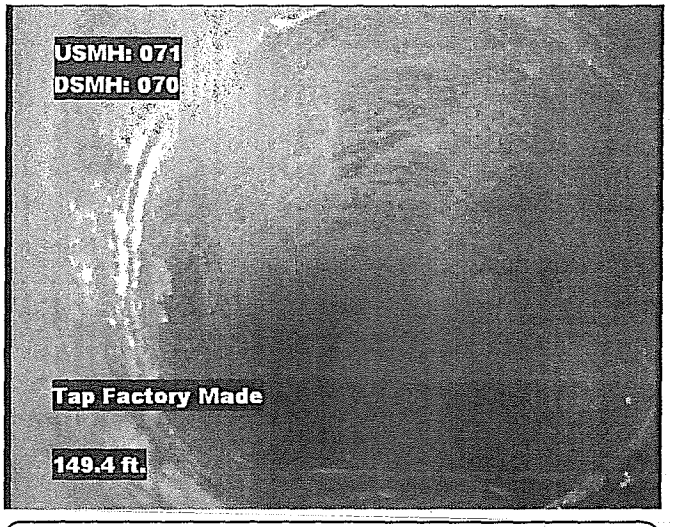
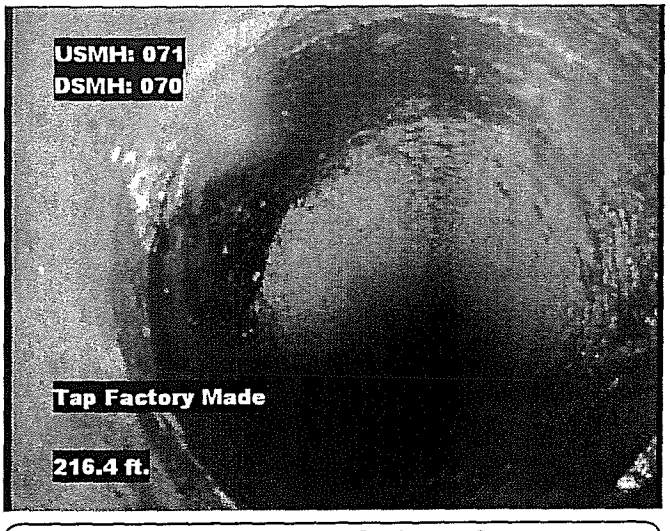
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
071_070	Hillview	Earlywood Way	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
071			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
070	374		8	8		



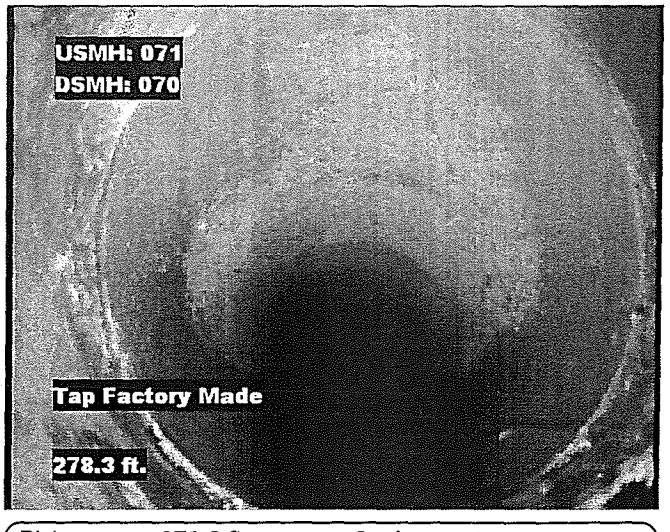
Distance: 97.3 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 149.4 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 216.4 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 278.3 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

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PIPE EYES

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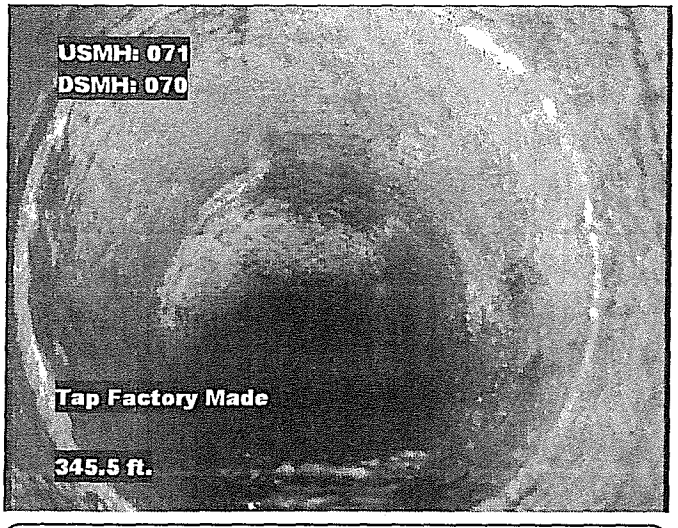
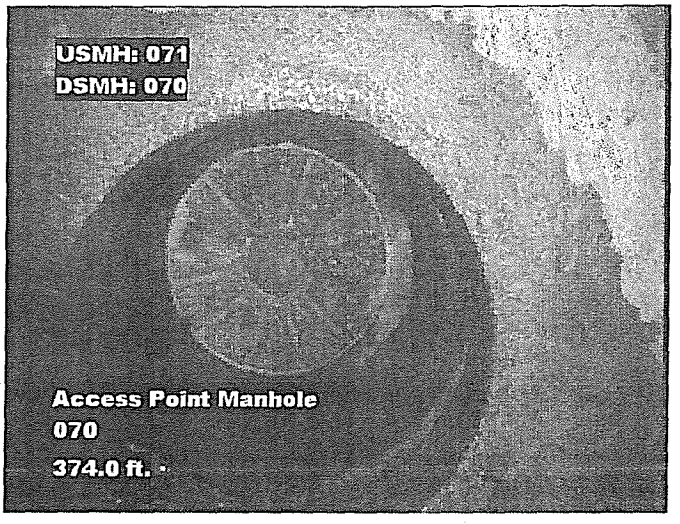
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
071_070	Hillview	Earlywood Way	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
071			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
070	374		8	8		



Distance:	345.5 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	374.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	070		

Distance:	374.0 ft.	Grade:	2
Condition:	Deposits Attached Grease		
Remarks:	N/A		

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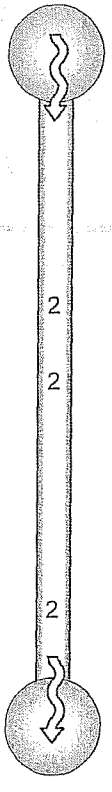
Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
070_072	Hillview	Earlywood Way	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
070			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
072	127.3		10	10		

SPR	N/A	MPR	42	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	2	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	2C00		

OPR	Surveyed By	Direction	Date	Media label
42	Bunch	Downstream	20130619	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
2		Jetting	13:53	Dry
Date Cleaned			End Time	Additional Info
20130619			14:06	



0.0 ft.	Access Point Manhole	
0.0 ft.	Water Level	
25.4 ft.	Deposits Attached Grease - S01	
102.2 ft.	Water Level Sag	
127.3 ft.	General Observation	Inflowtration coming in barrel of m.h 072
127.3 ft.	Access Point Manhole	
127.3 ft.	Deposits Attached Grease - F01	

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PIPE EYES

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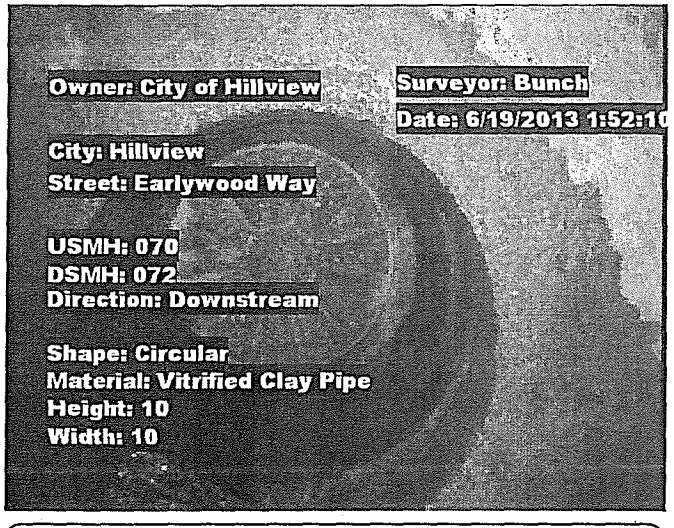
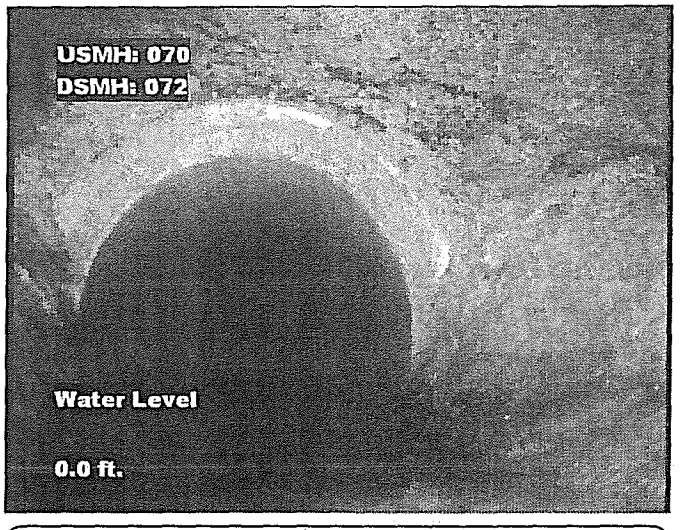
Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
070_072	Hillview	Earlywood Way	Vitrified Clay Pipe	Light High...	Sanitary

Upstream MH	Total Length	Year Laid	Shape	Location Details
070			Circular	

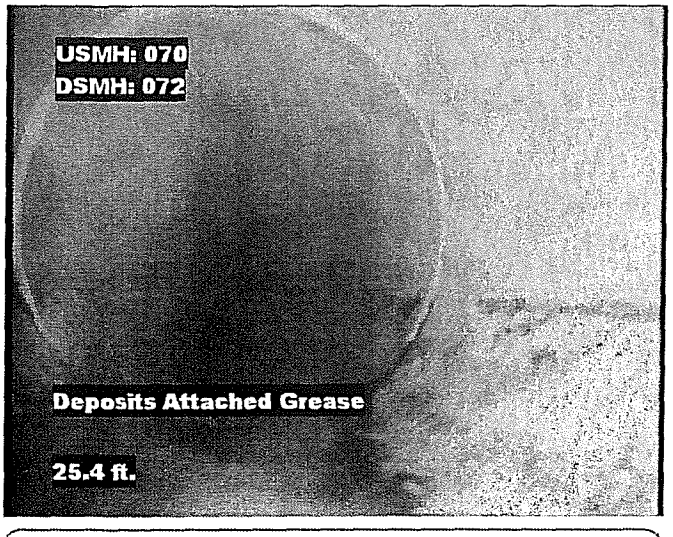
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
072	127.3		10	10		



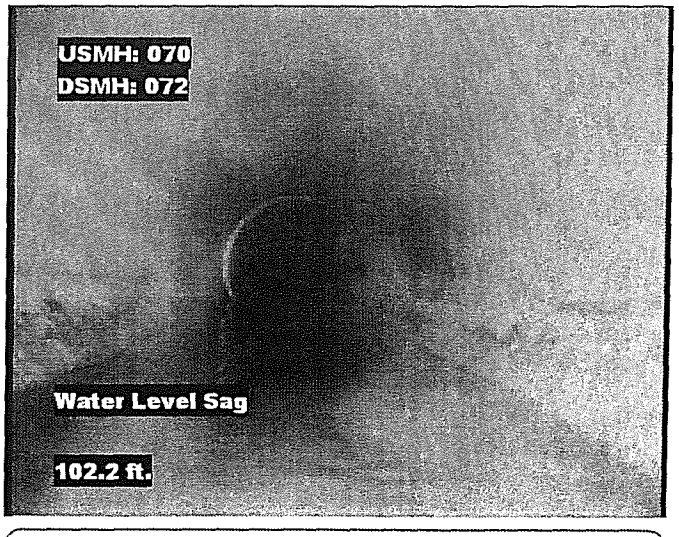
Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	070		



Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	25.4 ft.	Grade:	2
Condition:	Deposits Attached Grease		
Remarks:	N/A		



Distance:	102.2 ft.	Grade:	2
Condition:	Water Level Sag		
Remarks:	N/A		

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PIPE EYES

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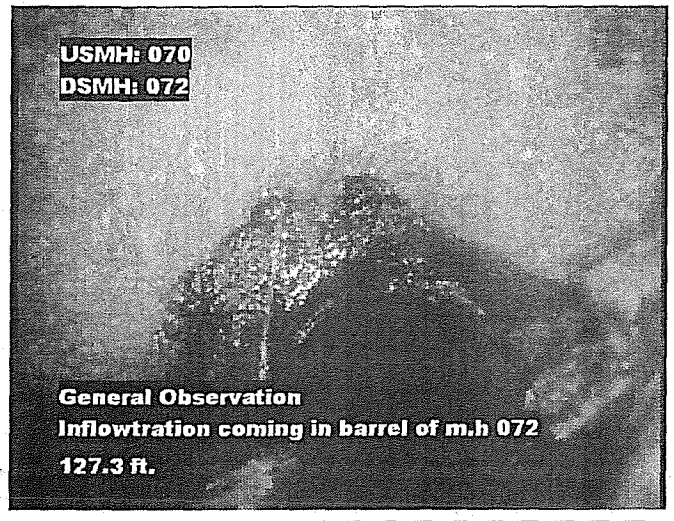
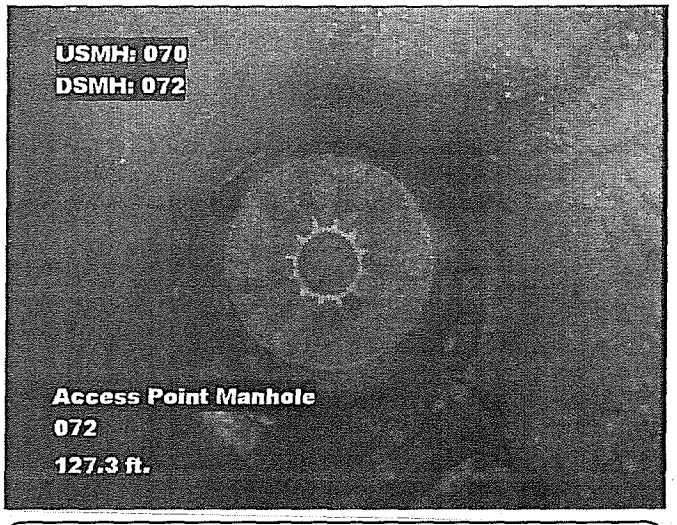
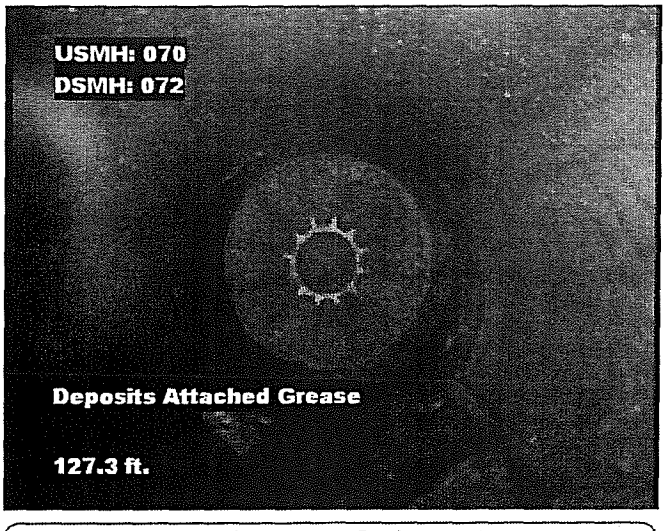
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
070_072	Hillview	Earlywood Way	Vitrified Clay Pipe		Light High...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
070			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
072	127.3		10	10		



Distance:	127.3 ft.	Grade:	0
Condition:	General Observation		
Remarks:	Inflowtration coming in barrel of m.h 072		



Distance:	127.3 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	072		



Distance:	127.3 ft.	Grade:	2
Condition:	Deposits Attached Grease		
Remarks:	N/A		

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PIPE EYES

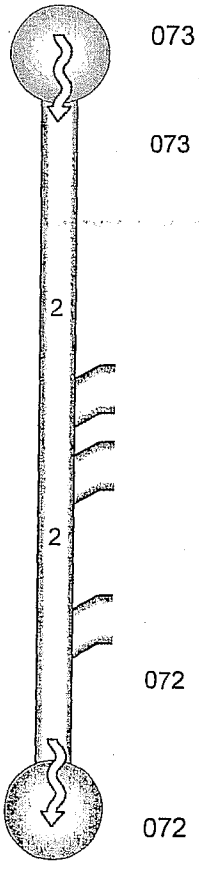
Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
073_072	Hillview	Earlywood Way	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
073			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
072	236.2		8	8		

SPR	N/A	MPR	64	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	2	Work Order	Purpose: Capital Improvement Program As...
QSR	N/A	QMR	2E00		

OPR	Surveyed By	Direction	Date	Media label
64	Bunch	Downstream	20130619	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
2		Jetting	14:28	Dry
Date Cleaned			End Time	Additional Info
20130619			14:37	

0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
15.7 ft.	Deposits Attached Grease - S01
28.8 ft.	Tap Factory Made Capped
90.3 ft.	Tap Factory Made Capped
173.8 ft.	Deposits Attached Grease - F01
188.1 ft.	Tap Factory Made Capped
236.2 ft.	Access Point Manhole



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PIPE EYES

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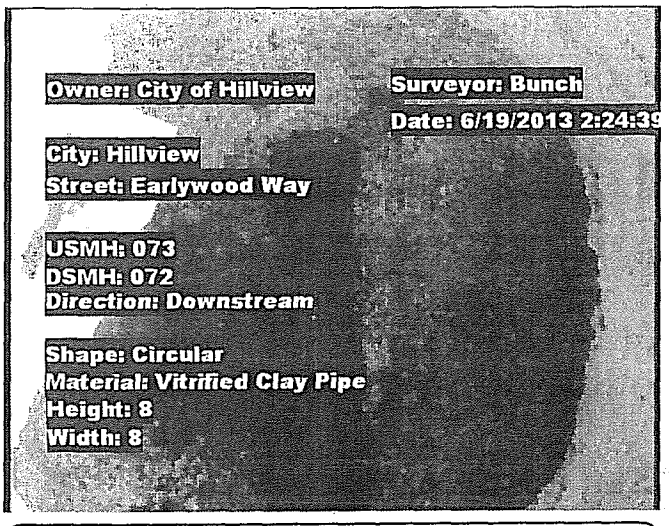
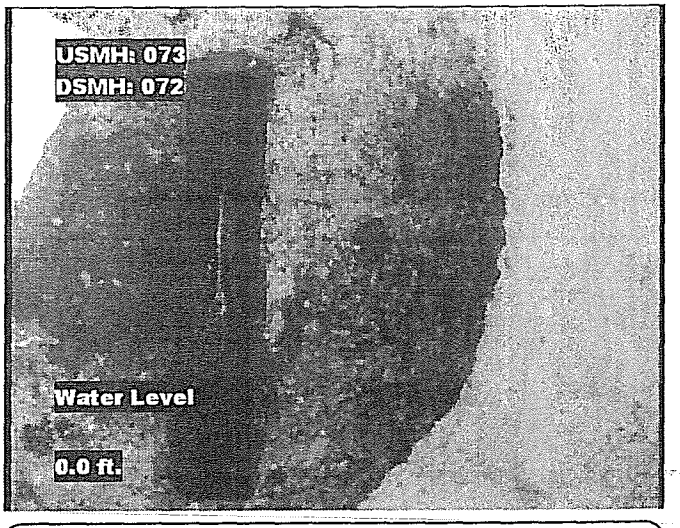
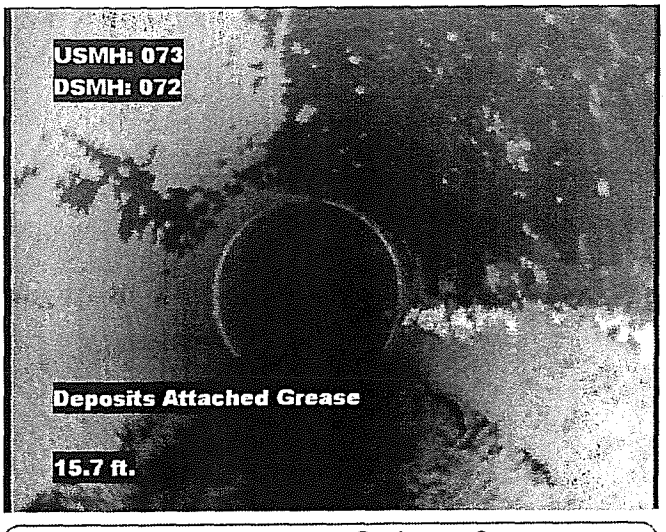
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
073_072	Hillview	Earlywood Way	Vitrified Clay Pipe		Light High...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
073			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
072	236.2		8	8		



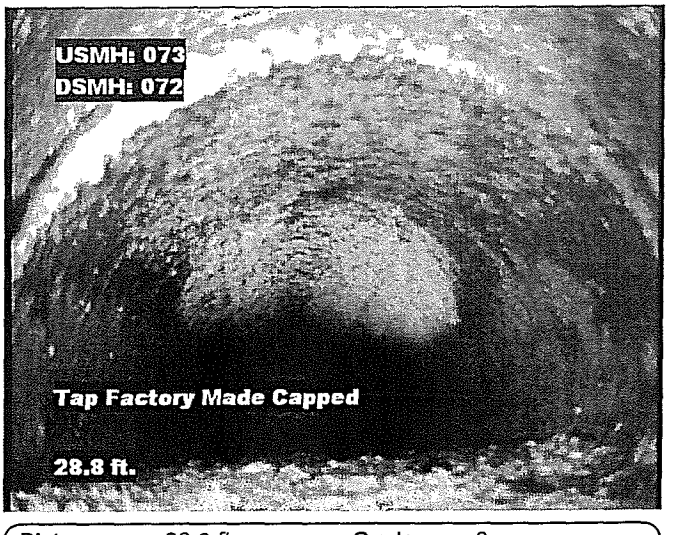
Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	073		



Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	15.7 ft.	Grade:	2
Condition:	Deposits Attached Grease		
Remarks:	N/A		



Distance:	28.8 ft.	Grade:	0
Condition:	Tap Factory Made Capped		
Remarks:	N/A		

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PIPE EYES

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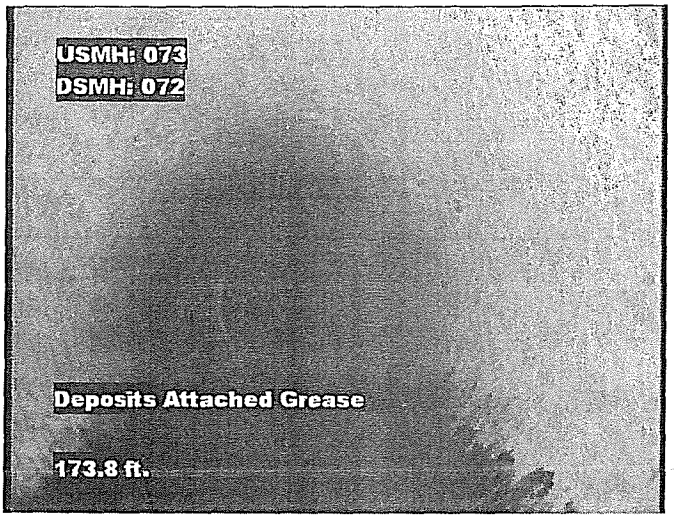
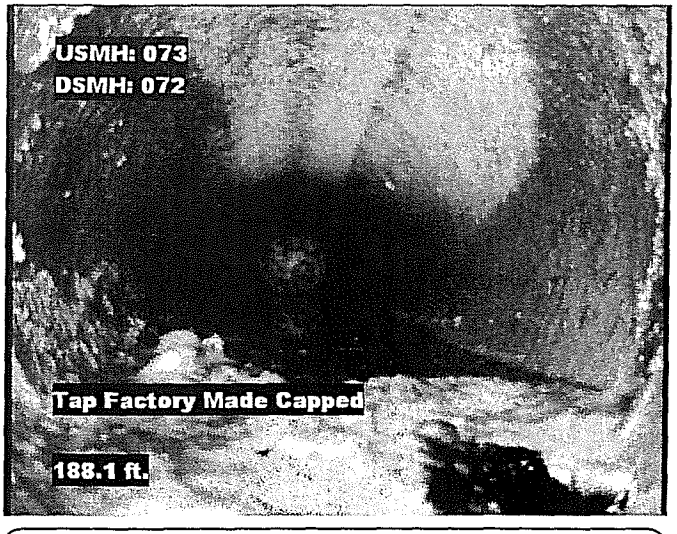
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
073_072	Hillview	Earlywood Way	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
073			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
072	236.2		8	8		

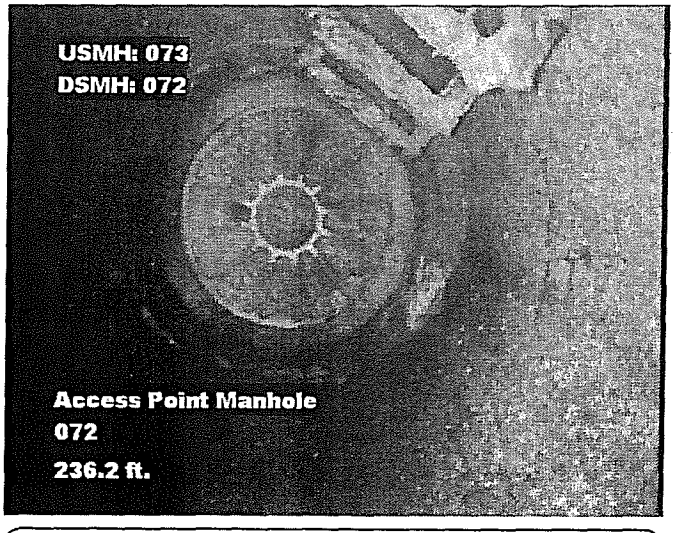
Distance:	90.3 ft.	Grade:	0
Condition:	Tap Factory Made Capped		
Remarks:	N/A		



Distance:	173.8 ft.	Grade:	2
Condition:	Deposits Attached Grease		
Remarks:	N/A		



Distance:	188.1 ft.	Grade:	0
Condition:	Tap Factory Made Capped		
Remarks:	N/A		



Distance:	236.2 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	072		

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
(502)955*5288

PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
072_074	Hillview	Earlywood Way	Vitrified Clay Pipe	Light High...	Sanitary

Upstream MH	Total Length	Year Laid	Shape	Location Details
072			Circular	

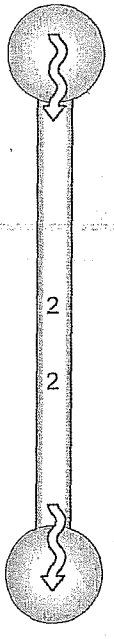
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
074	235.9		10	10	

SPR	4	MPR	N/A	PO Number	Customer: City of Hillview
SPRI	2	MPRI	N/A	Work Order	Purpose: Maintenance Related
QSR	2200	QMR	N/A		

OPR	Surveyed By	Direction	Date	Media label
4	Bunch	Downstream	20130701	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather
2		Jetting	08:16	Dry

Date Cleaned	End Time	Additional Info
20130701	08:30	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
142.5 ft.	Fracture Circumferential
229.2 ft.	Fracture Circumferential
235.9 ft.	Access Point Manhole

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
(502)955*5288

PIPE EYES

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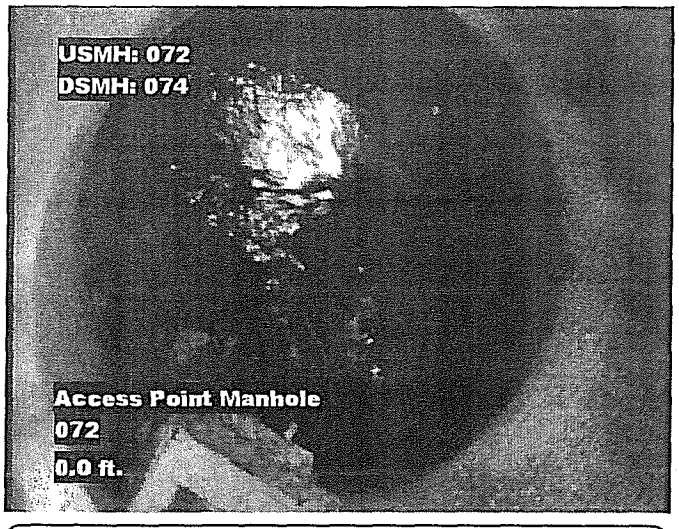
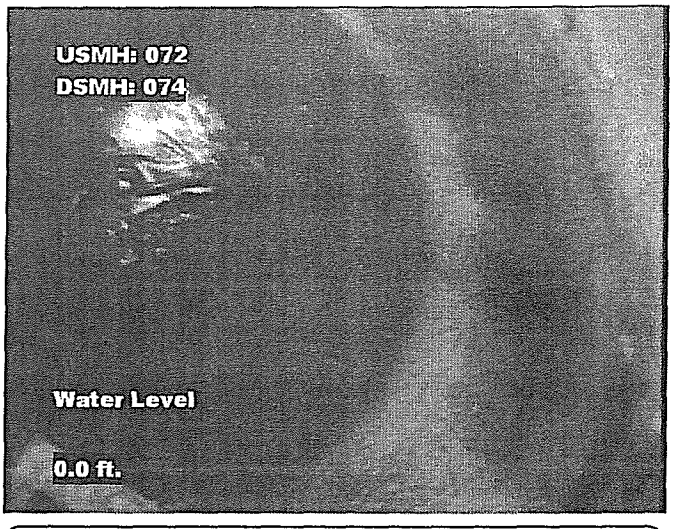
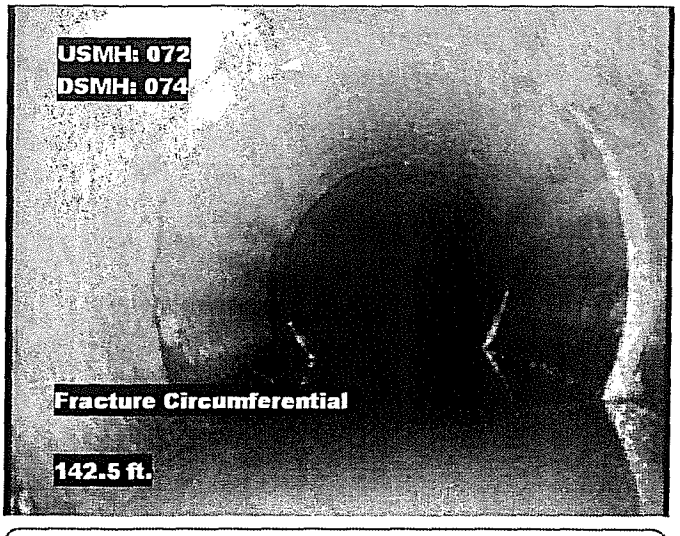
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
072_074	Hillview	Earlywood Way	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
072			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
074	235.9		10	10		



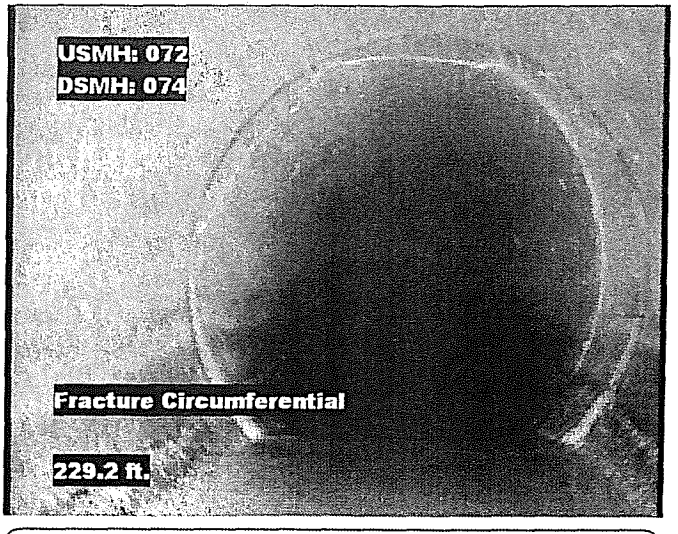
Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	072		



Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	142.5 ft.	Grade:	2
Condition:	Fracture Circumferential		
Remarks:	N/A		



Distance:	229.2 ft.	Grade:	2
Condition:	Fracture Circumferential		
Remarks:	N/A		

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
(502)955*5288

PIPE EYES

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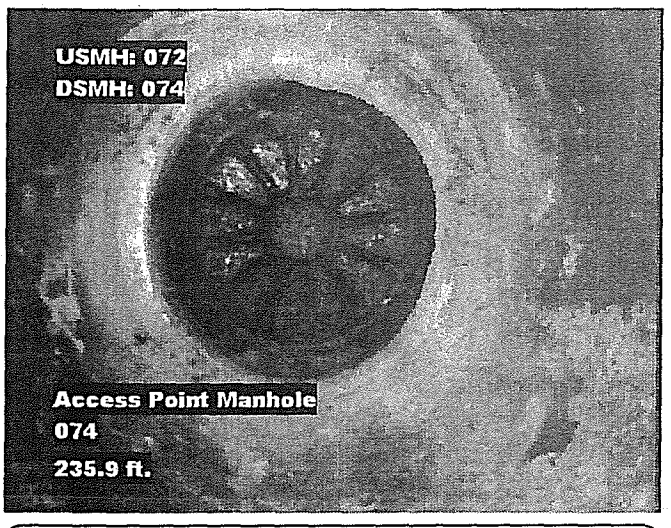
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
072_074	Hillview	Earlywood Way	Vitrified Clay Pipe		Light High...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
072			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
074	235.9		10	10		



Distance: 235.9 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 074

Pipe Eyes
145 Smith Lane
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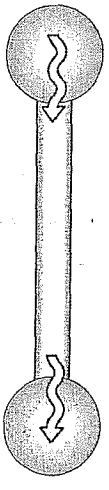
Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
074_075	Hillview	Earlywood Way	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
074			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
075	244.8		10	10		

SPR	N/A	MPR	N/A	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	N/A	Work Order	Purpose: Maintenance Related
QSR	N/A	QMR	N/A		

OPR	Surveyed By	Direction	Date	Media label
N/A	Bunch	Downstream	20130701	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
N/A		Jetting	08:36	Dry
Date Cleaned			End Time	Additional Info
20130701			08:43	



0.0 ft. Access Point Manhole

0.0 ft. Water Level

244.8 ft. Access Point Manhole

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
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PIPE EYES

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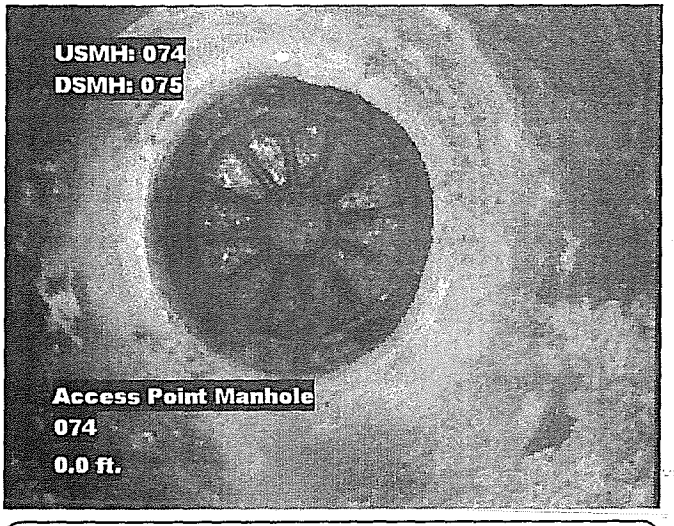
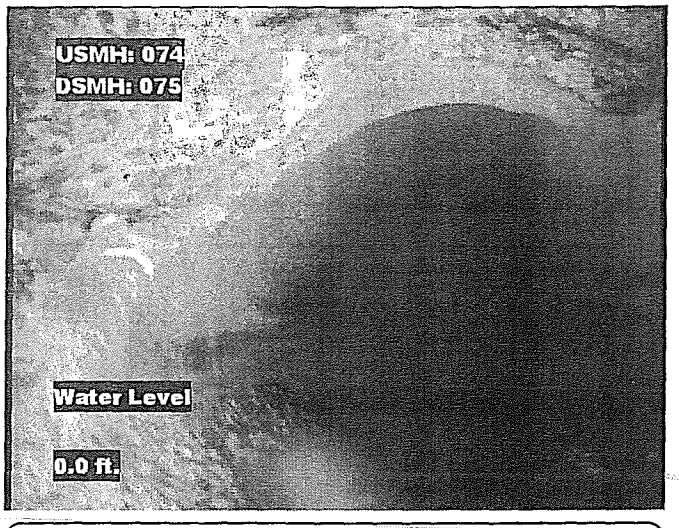
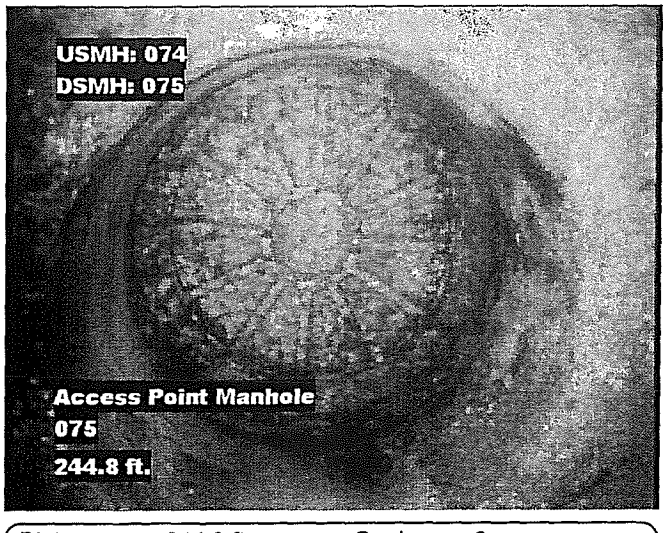
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
074_075	Hillview	Earlywood Way	Vitrified Clay Pipe		Light High...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
074			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
075	244.8		10	10		



Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	074		



Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	244.8 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	075		

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
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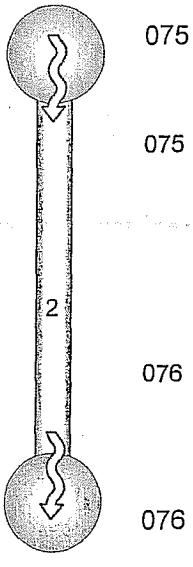
Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
075_076	Hillview	Earlywood Way	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
075			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
076	294.1		10	10		

SPR	2	MPR	N/A	PO Number	Customer
SPRI	2	MPRI	N/A		City of Hillview
QSR	2100	QMR	N/A	Work Order	Purpose
					Maintenance Related

OPR	Surveyed By	Direction	Date	Media label
2	Bunch	Downstream	20130701	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
2		Jetting	08:44	Light Rain
Date Cleaned			End Time	Additional Info
20130701			08:57	

0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
4.0 ft.	Fracture Circumferential
294.1 ft.	Access Point Manhole



Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
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PIPE EYES

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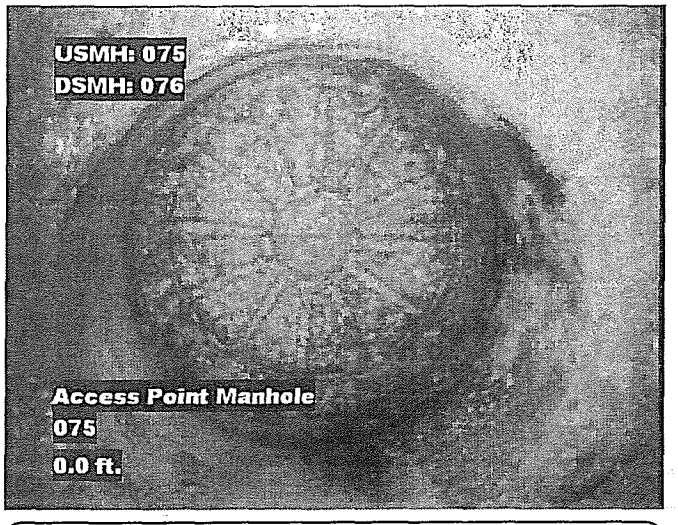
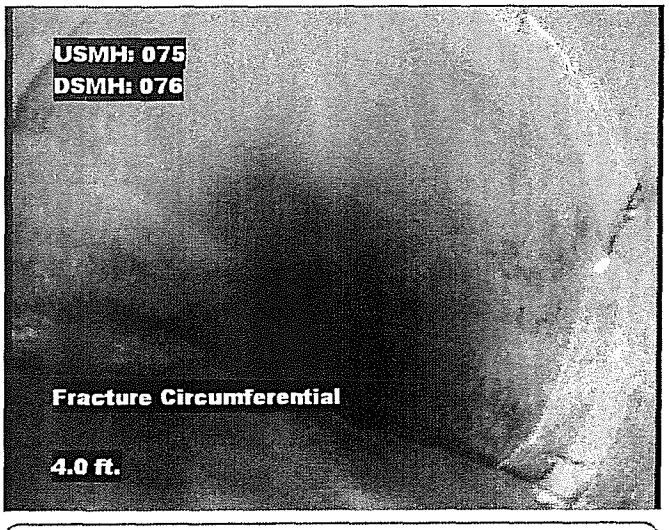
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
075_076	Hillview	Earlywood Way	Vitrified Clay Pipe		Light High...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
075			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
076	294.1		10	10		

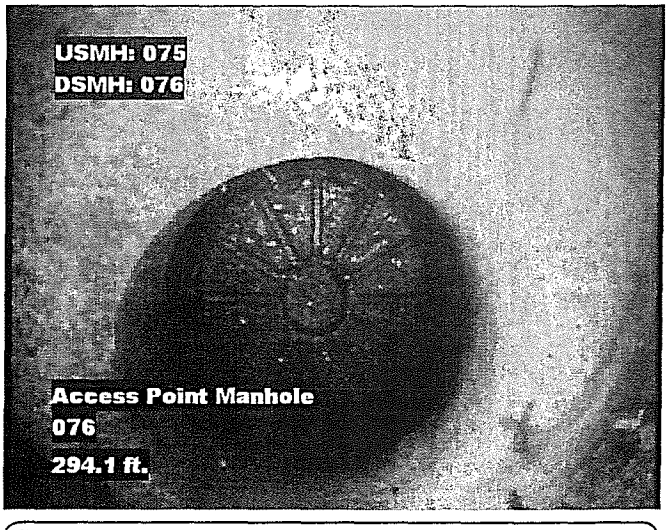


Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	075		

Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	4.0 ft.	Grade:	2
Condition:	Fracture Circumferential		
Remarks:	N/A		



Distance:	294.1 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	076		

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
(502)955*5288

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
076_077	Hillview	Earlywood Way	Vitrified Clay Pipe	Light High...	Sanitary

Upstream MH	Total Length	Year Laid	Shape	Location Details
076			Circular	

DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
077	310.4		10	10		

SPR	N/A	MPR	N/A	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	N/A	Work Order	Purpose: Maintenance Related
QSR	N/A	QMR	N/A		

OPR	Surveyed By	Direction	Date	Media label
N/A	Bunch	Downstream	20130701	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A		Jetting	09:00	Light Rain	

Date Cleaned	End Time	Additional Info
20130701	09:19	

0.0 ft. Access Point Manhole

0.0 ft. Water Level

310.4 ft. Access Point Manhole

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
(502)955*5288

PIPE EYES

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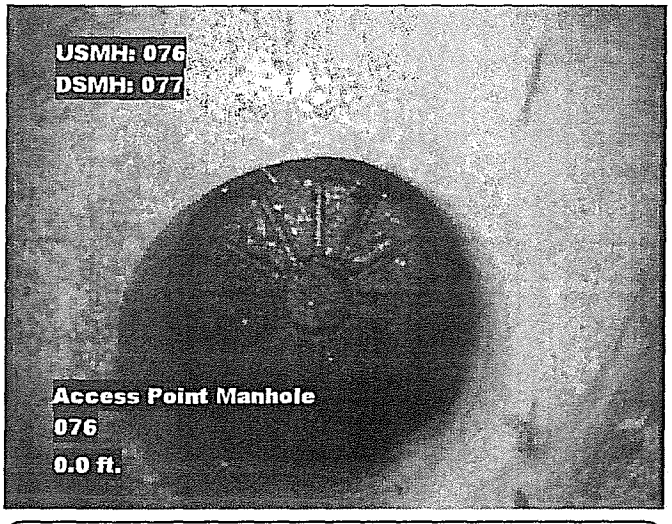
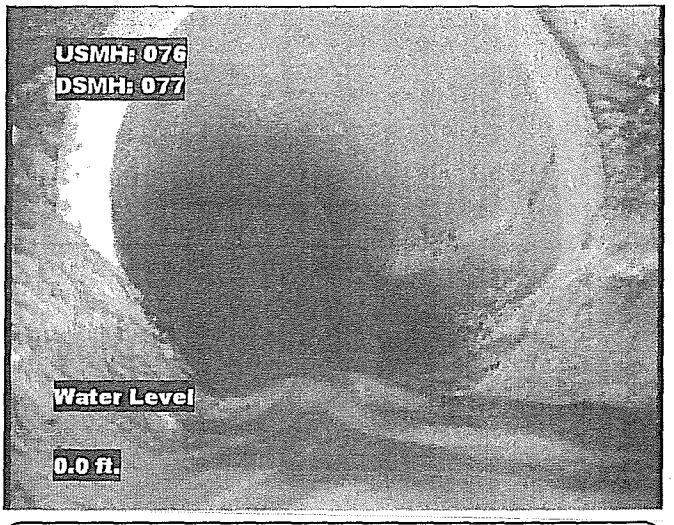
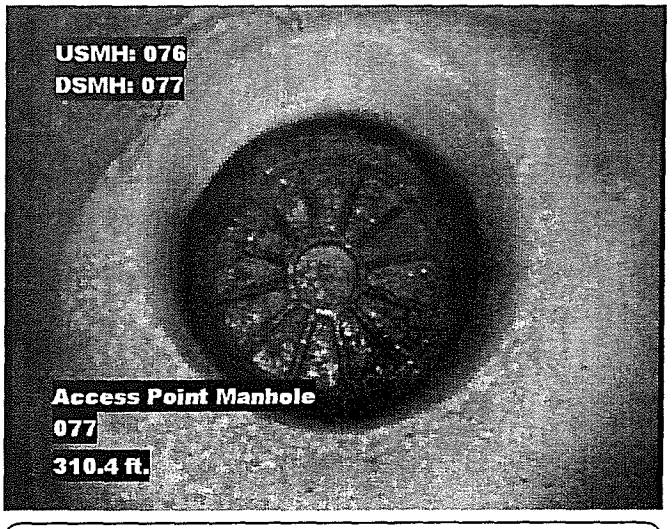
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
076_077	Hillview	Earlywood Way	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
076			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
077	310.4		10	10		



Distance: 0.0 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 076



Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A



Distance: 310.4 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 077

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
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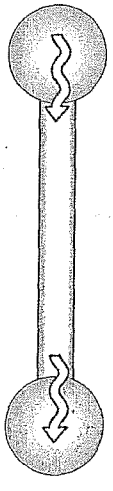
PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
077_017	Hillview	Earlywood Way	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
077			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
017	256.7		10	10		

SPR	N/A	MPR	N/A	PO Number	Customer
SPRI	N/A	MPRI	N/A		City of Hillview
QSR	N/A	QMR	N/A	Work Order	Purpose
					Maintenance Related

OPR	Surveyed By	Direction	Date	Media label
N/A	Bunch	Downstream	20130701	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
N/A		Jetting	09:21	Dry
Date Cleaned			End Time	Additional Info
20130701			09:34	



0.0 ft. Access Point Manhole

0.0 ft. Water Level

256.7 ft. Access Point Manhole

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
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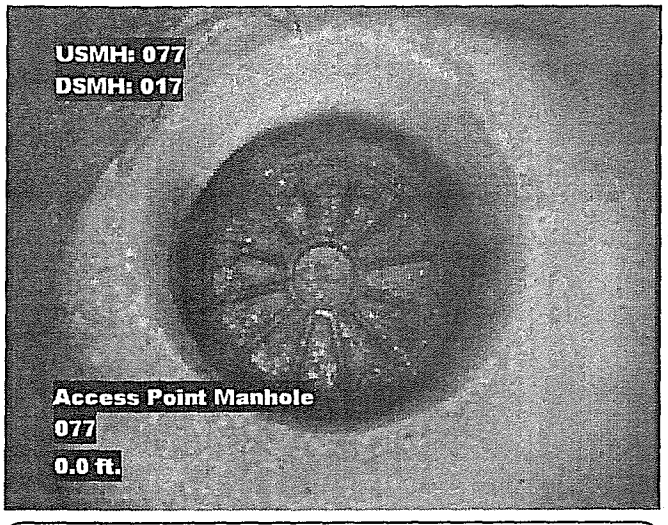
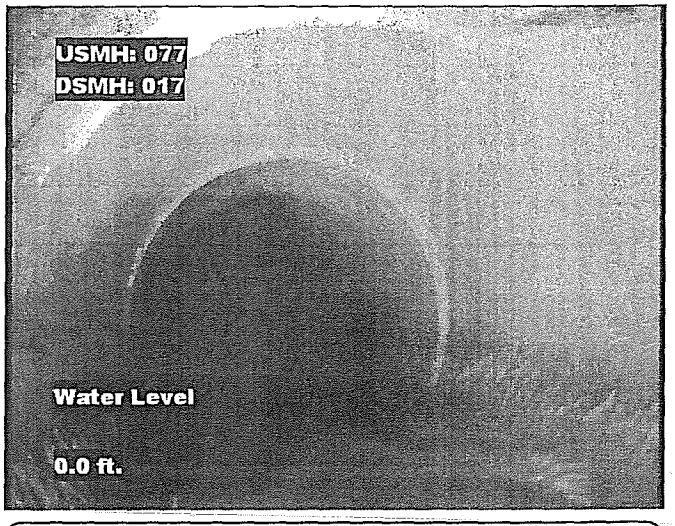
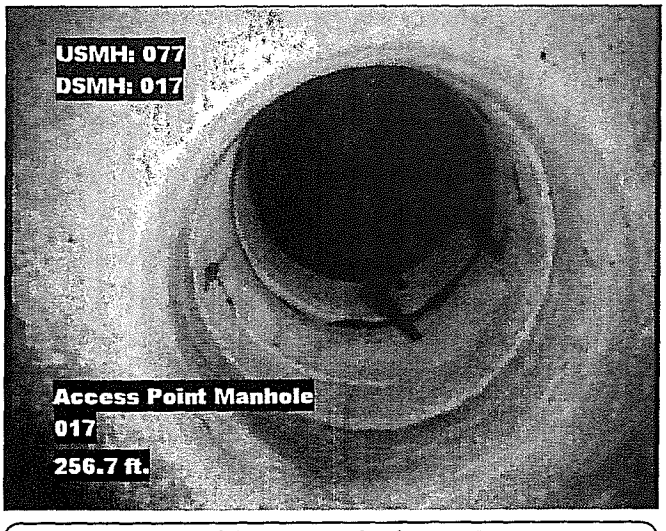
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
077_017	Hillview	Earlywood Way	Vitrified Clay Pipe		Light High...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
077			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
017	256.7		10	10		



Distance:	0.0 ft.	**Grade:**	0
Condition:	Access Point Manhole		
Remarks:	077		



Distance:	0.0 ft.	**Grade:**	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	256.7 ft.	**Grade:**	0
Condition:	Access Point Manhole		
Remarks:	017		

Pipe Eyes
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PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
078_076	Hillview	Cadenza	Vitrified Clay Pipe	Light High...	Sanitary

Upstream MH	Total Length	Year Laid	Shape	Location Details
078			Circular	

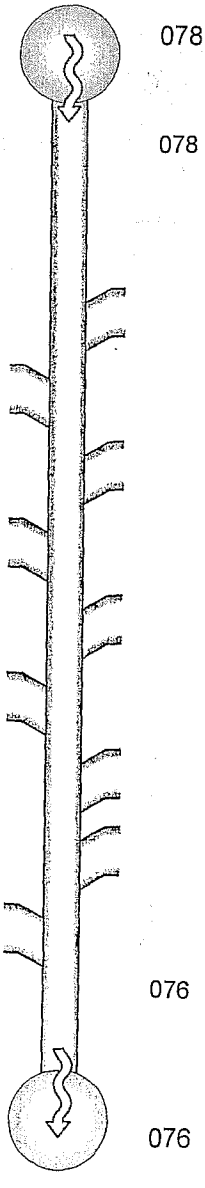
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
076	305.7		8	8		

SPR	N/A	MPR	N/A	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	N/A	Work Order	Purpose: Maintenance Related
QSR	N/A	QMR	N/A		

OPR	Surveyed By	Direction	Date	Media label
N/A	Bunch	Downstream	20130701	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A		Jetting	10:14	Light Rain	

Date Cleaned	End Time	Additional Info
20130701	10:27	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
52.9 ft.	Tap Factory Made
54.8 ft.	Tap Factory Made
116.1 ft.	Tap Factory Made
118.2 ft.	Tap Factory Made
159.4 ft.	Tap Factory Made
161.5 ft.	Tap Factory Made
203.0 ft.	Tap Factory Made
205.0 ft.	Tap Factory Made Capped
259.8 ft.	Tap Factory Made
305.7 ft.	Access Point Manhole

Pipe Eyes
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PIPE EYES

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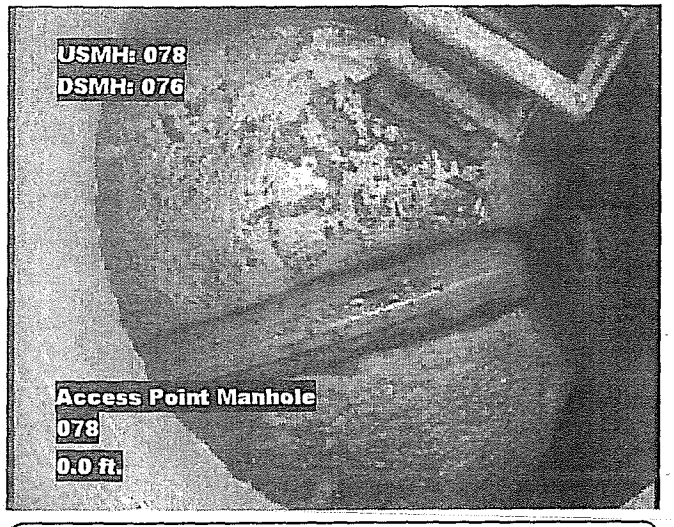
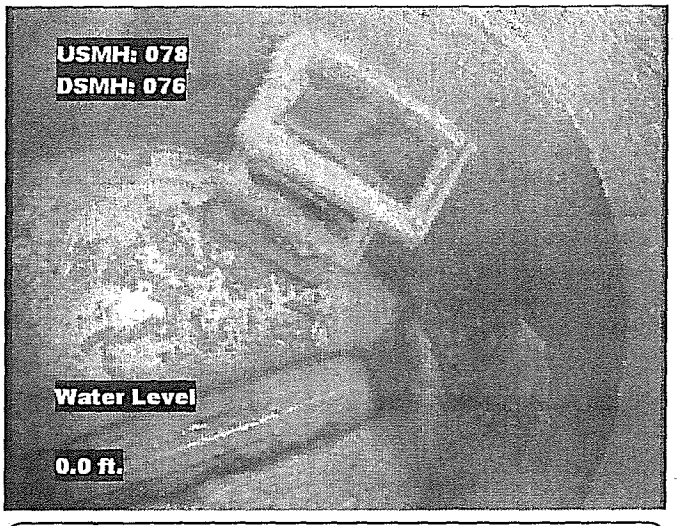
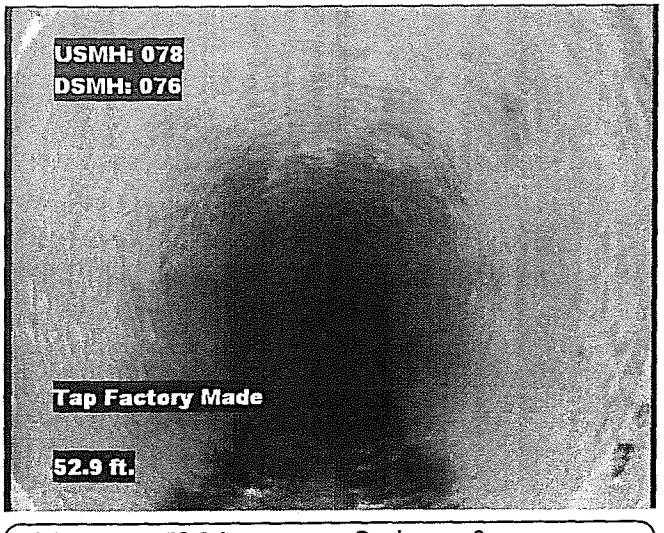
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
078_076	Hillview	Cadenza	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
078			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
076	305.7		8	8		



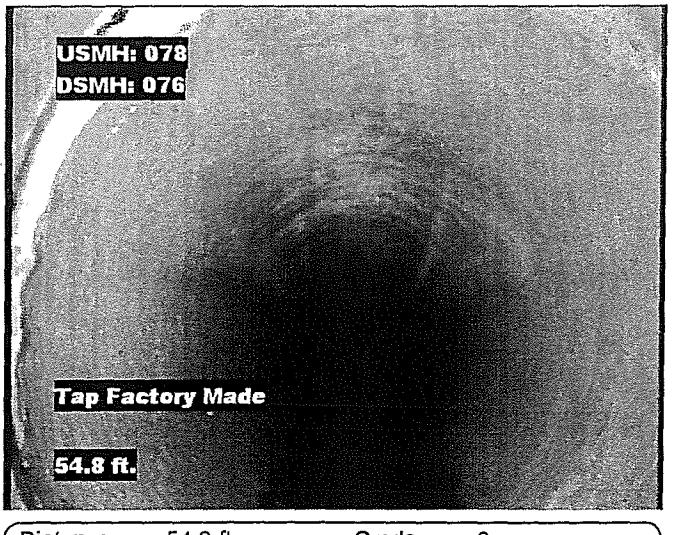
Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	078		



Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	52.9 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	54.8 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		

Pipe Eyes
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PIPE EYES

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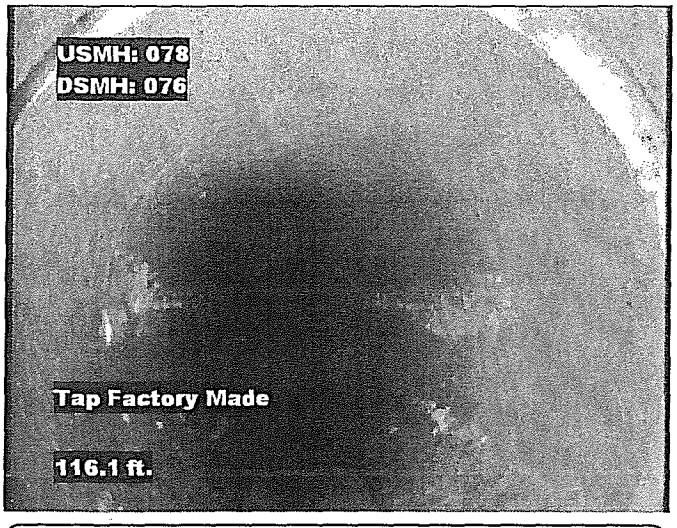
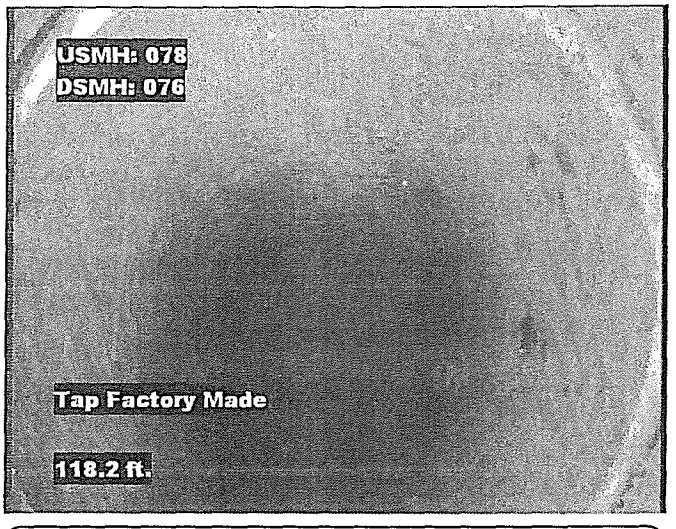
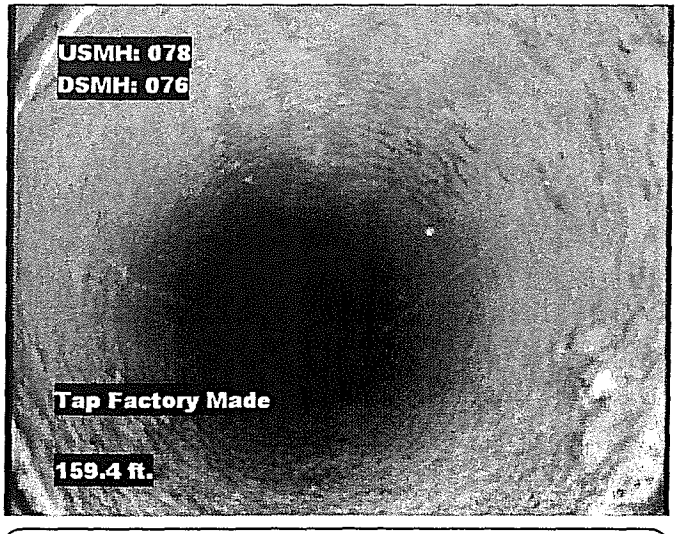
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
078_076	Hillview	Cadenza	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
078			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
076	305.7		8	8		



Distance: 116.1 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 118.2 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 159.4 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

Distance: 161.5 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

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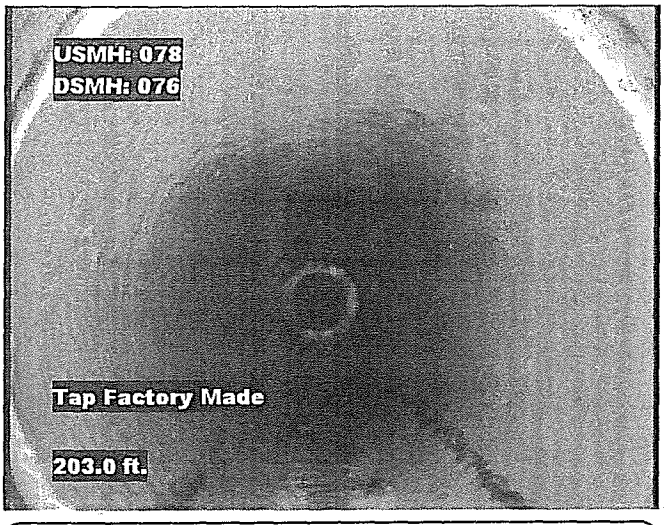
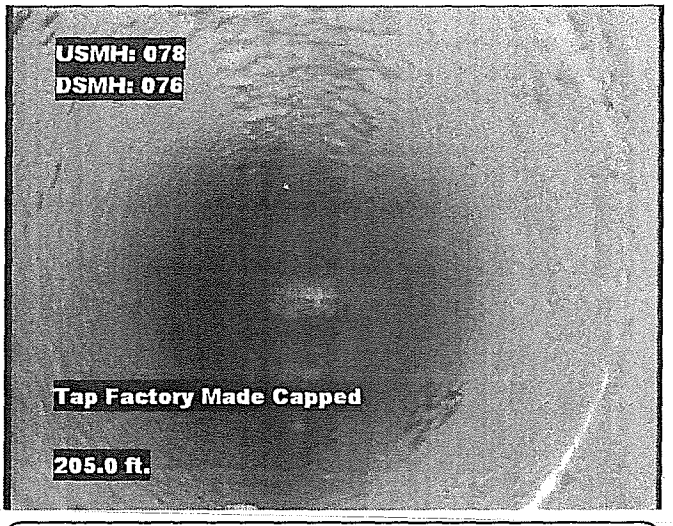
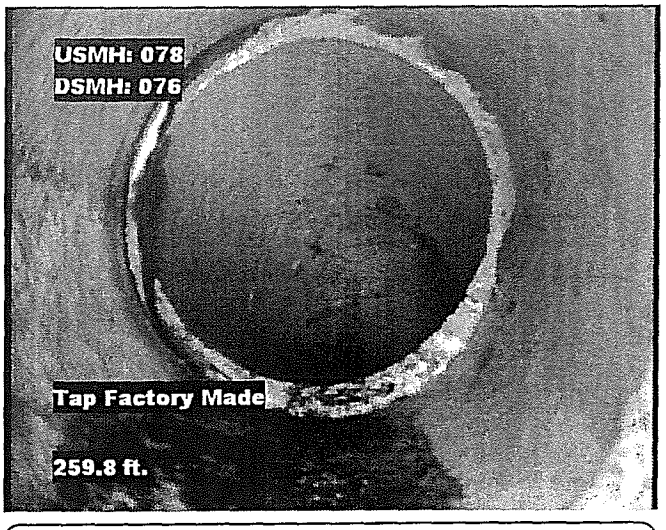
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
078_076	Hillview	Cadenza	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
078			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
076	305.7		8	8		



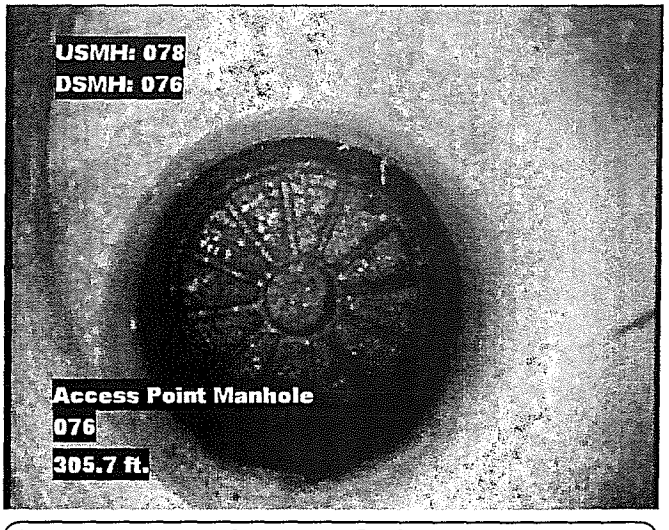
Distance: 203.0 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 205.0 ft. Grade: 0
Condition: Tap Factory Made Capped
Remarks: N/A



Distance: 259.8 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 305.7 ft. Grade: 0
Condition: Access Point Manhole
Remarks: 076

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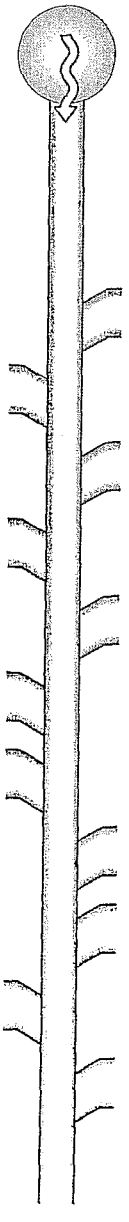
PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
003_004	Hillview	Cadenza	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
003			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
004	335.8		8	8		

SPR	N/A	MPR	N/A	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	N/A	Work Order	Purpose: Maintenance Related
QSR	N/A	QMR	N/A		

OPR	Surveyed By	Direction	Date	Media label
N/A	Bunch	Downstream	20130701	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
N/A		Jetting	10:43	Light Rain
Date Cleaned			End Time	Additional Info
20130701			10:59	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
47.2 ft.	Tap Factory Made
49.3 ft.	Tap Factory Made Active
105.6 ft.	Tap Factory Made
107.7 ft.	Tap Factory Made
169.4 ft.	Tap Factory Made
171.4 ft.	Tap Factory Made Active
213.1 ft.	Tap Factory Made
215.2 ft.	Tap Factory Made
286.6 ft.	Tap Factory Made
300.6 ft.	Tap Factory Made Active
327.3 ft.	Tap Factory Made
335.8 ft.	Access Point Manhole

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PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
003_004	Hillview	Cadenza	Vitrified Clay Pipe	Light High...	Sanitary

Upstream MH	Total Length	Year Laid	Shape	Location Details
003			Circular	

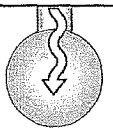
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
004	335.8		8	8	

SPR	N/A	MPR	N/A	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	N/A	Work Order	Purpose: Maintenance Related
QSR	N/A	QMR	N/A		

OPR	Surveyed By	Direction	Date	Media label
N/A	Bunch	Downstream	20130701	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather
N/A		Jetting	10:43	Light Rain

Date Cleaned	End Time	Additional Info
20130701	10:59	



004

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PIPE EYES

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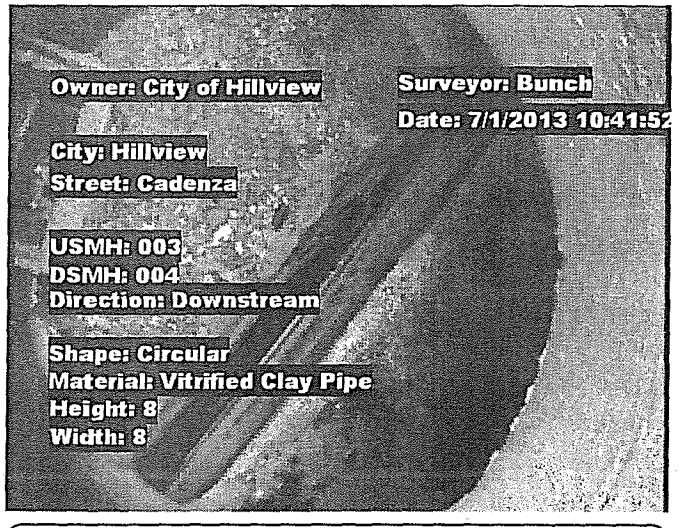
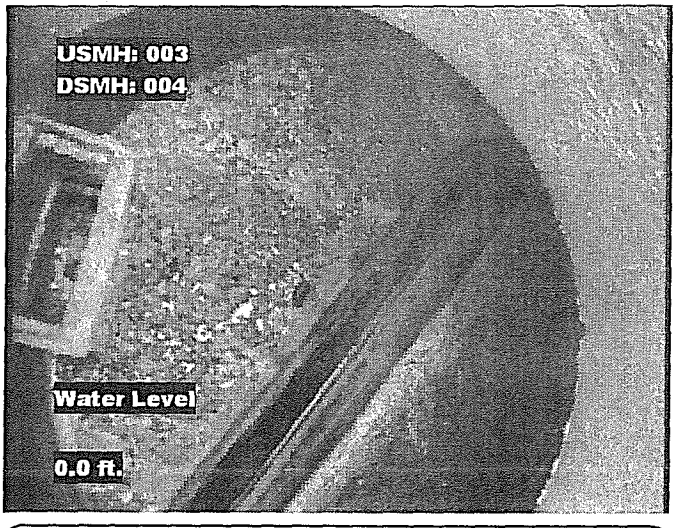
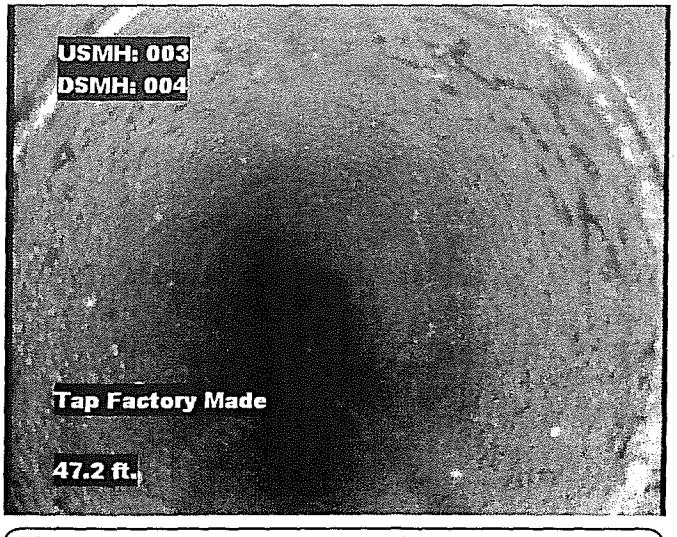
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
003_004	Hillview	Cadenza	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
003			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
004	335.8		8	8		



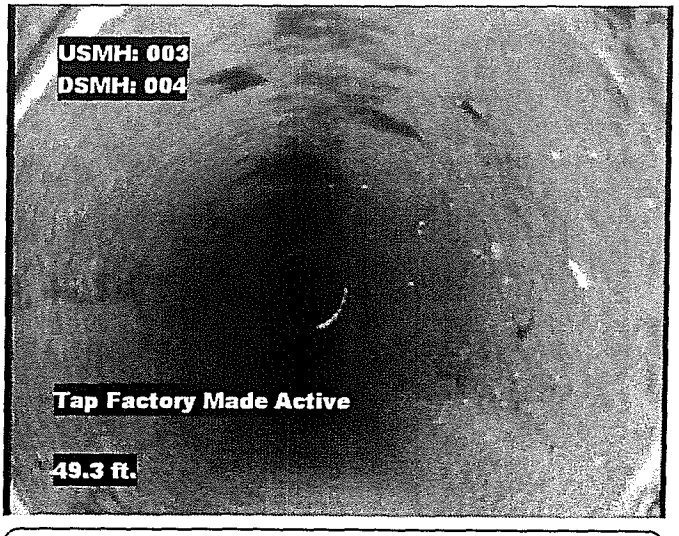
Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	003		



Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	47.2 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	49.3 ft.	Grade:	0
Condition:	Tap Factory Made Active		
Remarks:	N/A		

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PIPE EYES

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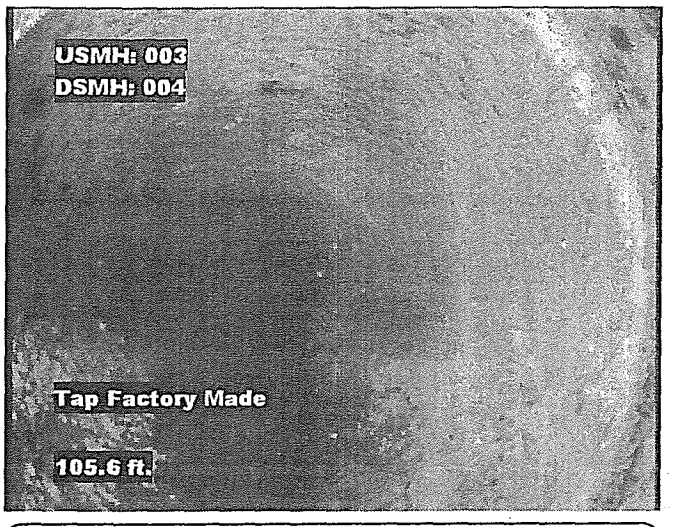
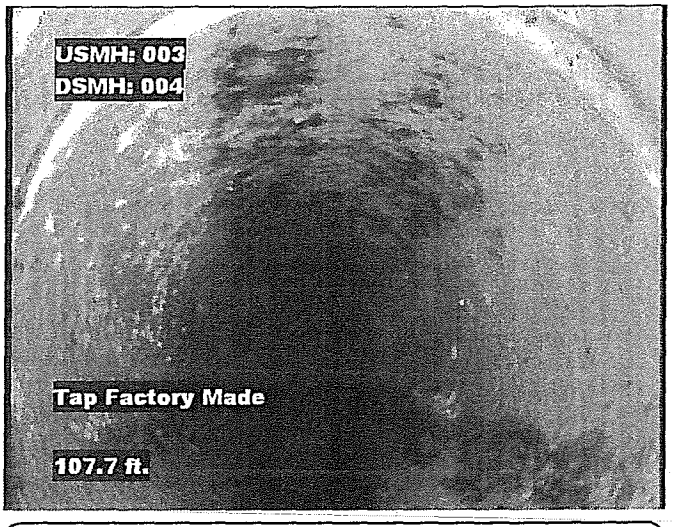
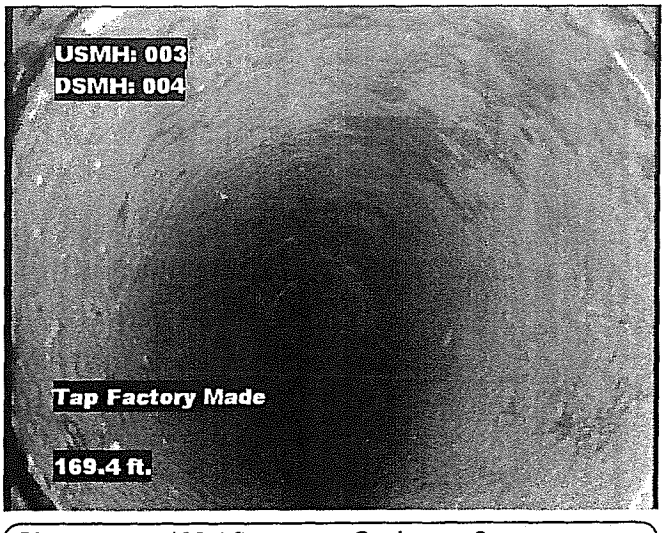
Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
003_004	Hillview	Cadenza	Vitrified Clay Pipe	Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape	Location Details	
003			Circular		
DS Manhole	Length surveyed	Year Renewed	Height / Width	Pipe Joint...	
004	335.8		8 / 8		



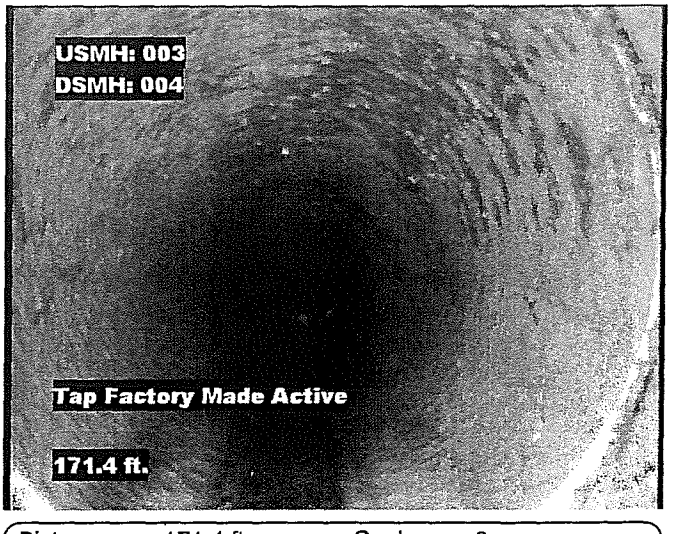
Distance: 105.6 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 107.7 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 169.4 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 171.4 ft. Grade: 0
Condition: Tap Factory Made Active
Remarks: N/A

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PIPE EYES

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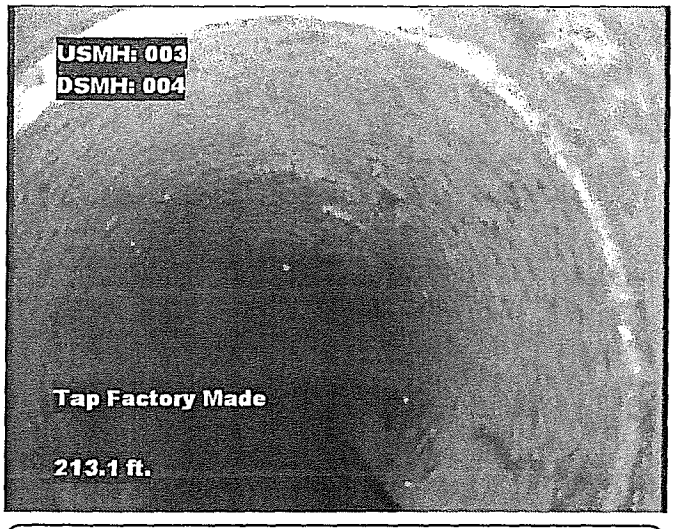
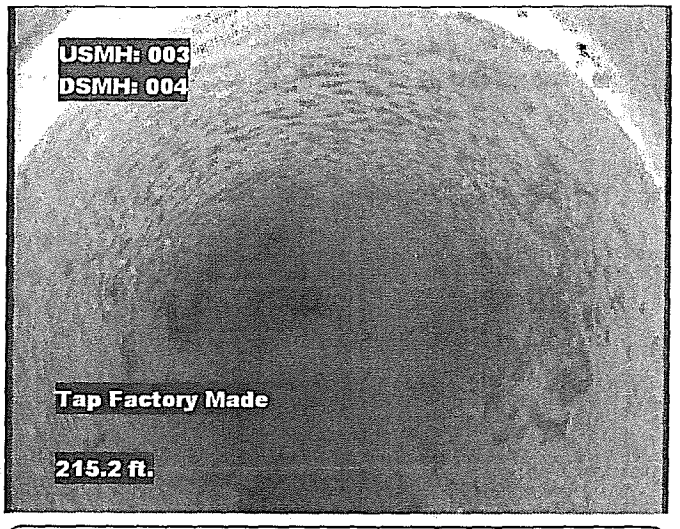
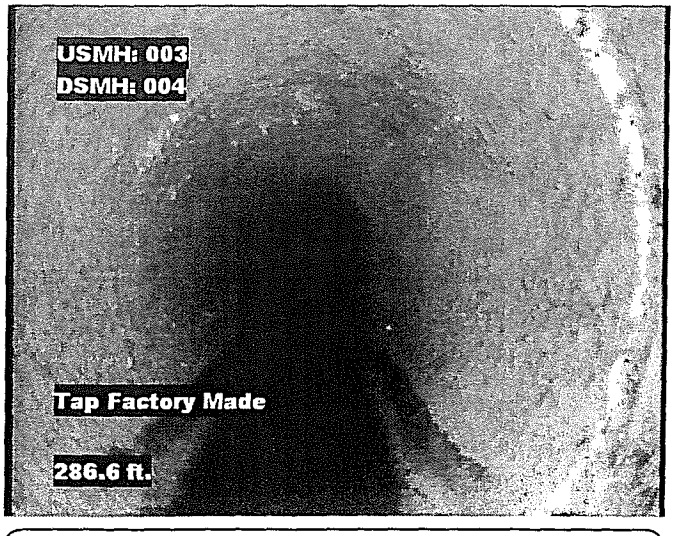
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
003_004	Hillview	Cadenza	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
003			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
004	335.8		8	8		



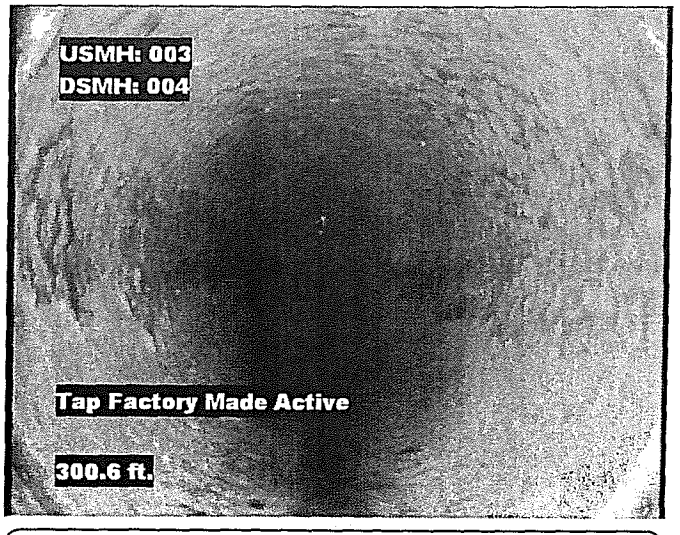
Distance: 213.1 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 215.2 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 286.6 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 300.6 ft. Grade: 0
Condition: Tap Factory Made Active
Remarks: N/A

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PIPE EYES

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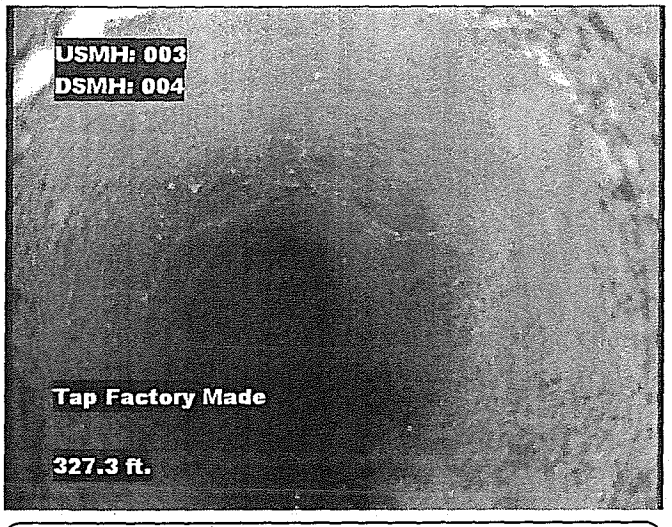
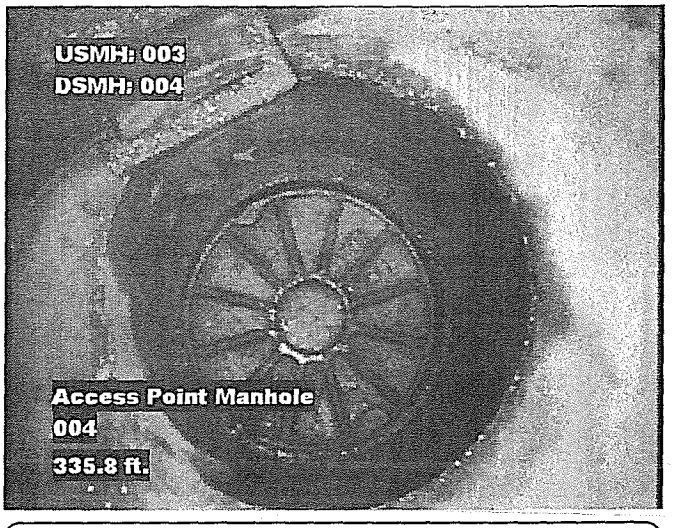
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
003_004	Hillview	Cadenza	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
003			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
004	335.8		8	8		



Distance:	327.3 ft.	**Grade:**	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	335.8 ft.	**Grade:**	0
Condition:	Access Point Manhole		
Remarks:	004		

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PIPE EYES

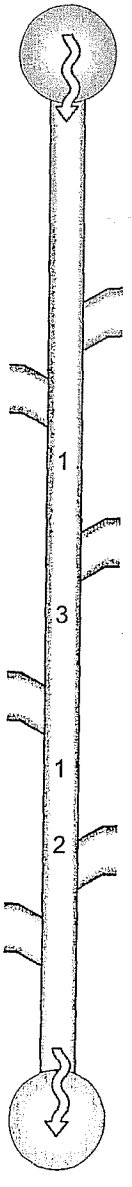
Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
079_077	Hillview	Cadenza	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
079			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
077	170.2		8	8		

SPR	N/A	MPR	7	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	1.8		
QSR	N/A	QMR	3121	Work Order	Purpose: Maintenance Related

OPR	Surveyed By	Direction	Date	Media label
7	Bunch	Downstream	20130701	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
1.8		Jetting	13:37	Dry
Date Cleaned			End Time	Additional Info
20130701			13:49	

0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
22.8 ft.	Tap Factory Made
25.0 ft.	Tap Factory Made
50.8 ft.	Roots Fine Joint
61.5 ft.	Tap Factory Made
61.5 ft.	Roots Medium Joint
63.6 ft.	Tap Factory Made
89.4 ft.	Roots Fine Joint
118.1 ft.	Tap Break-In Intruding
125.0 ft.	Tap Break-In
170.2 ft.	Access Point Manhole



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PIPE EYES

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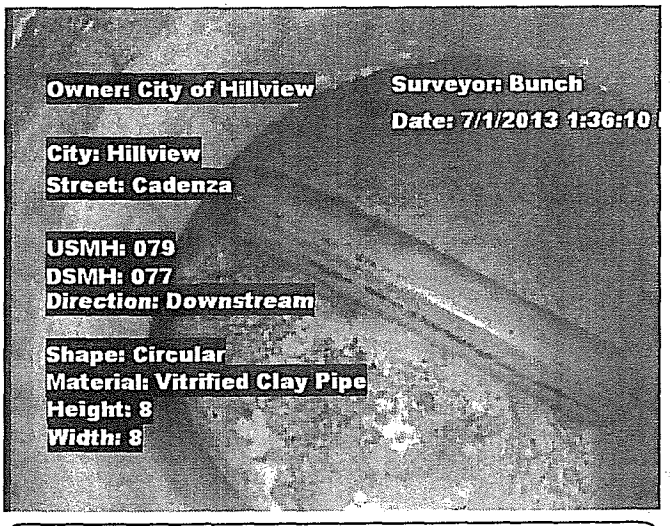
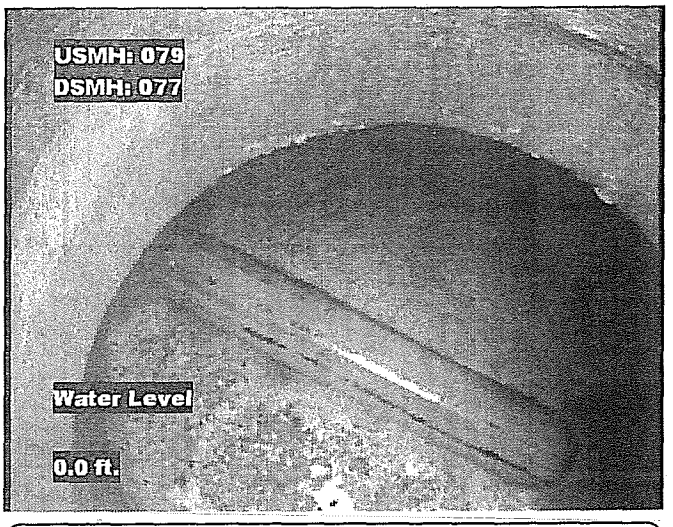
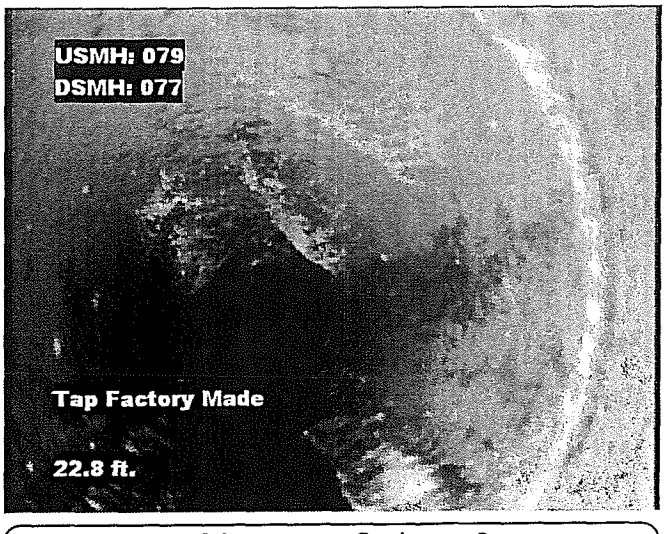
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
079_077	Hillview	Cadenza	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
079			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
077	170.2		8	8		



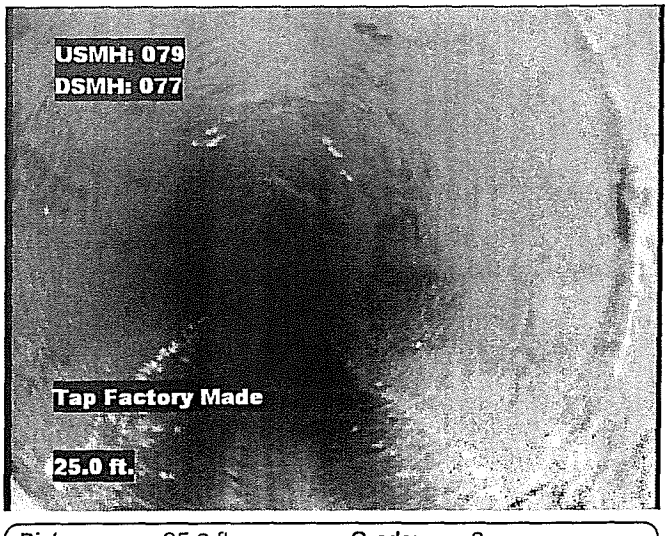
Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	079		



Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	22.8 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		



Distance:	25.0 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		

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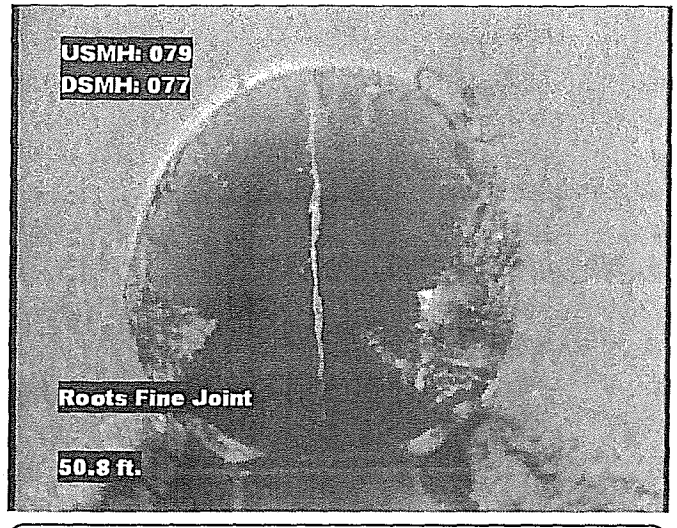
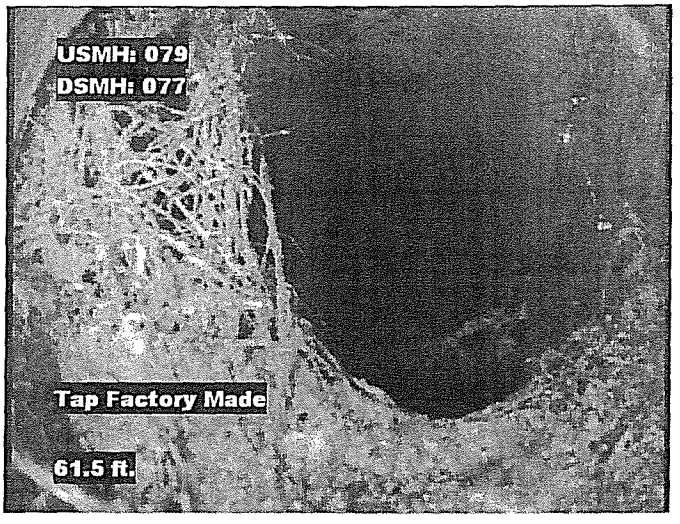
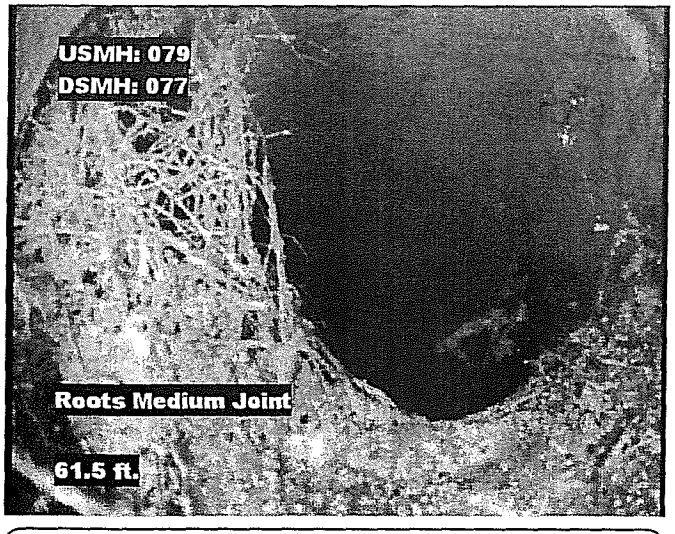
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
079_077	Hillview	Cadenza	Vitrified Clay Pipe		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
079			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
077	170.2		8	8		



Distance: 50.8 ft. Grade: 1
Condition: Roots Fine Joint
Remarks: N/A



Distance: 61.5 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 61.5 ft. Grade: 3
Condition: Roots Medium Joint
Remarks: N/A

Distance: 63.6 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

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PIPE EYES

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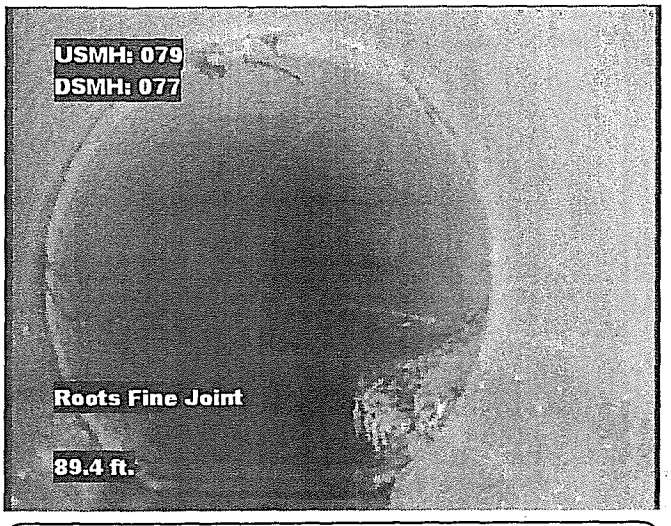
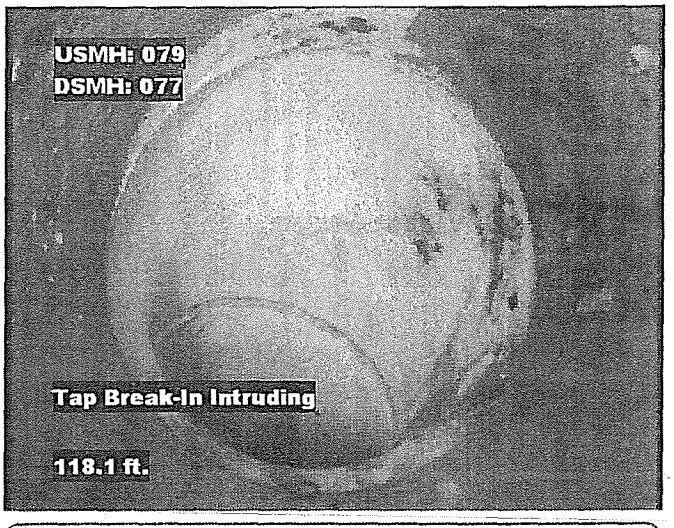
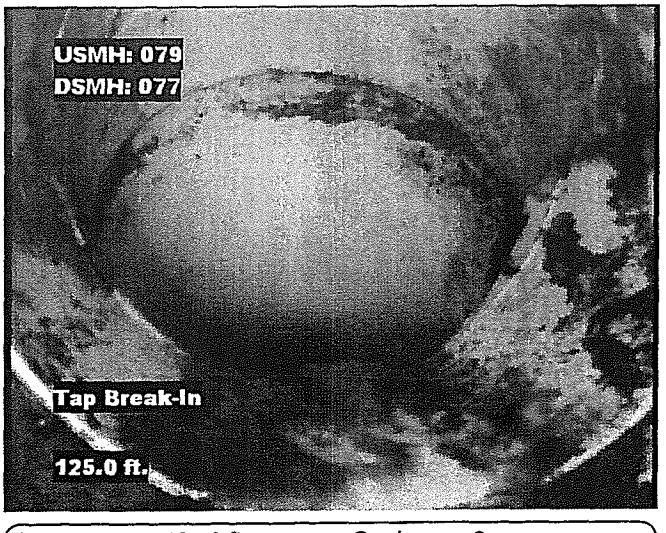
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
079_077	Hillview	Cadenza	Vitrified Clay Pipe		Light High...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
079			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
077	170.2		8	8		



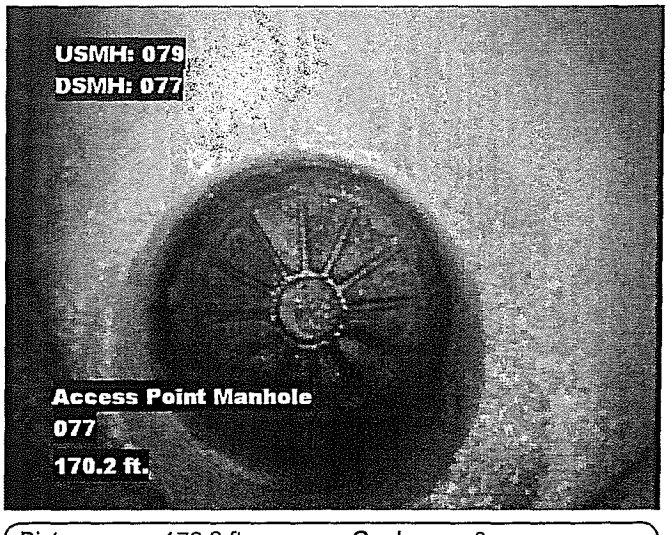
Distance:	89.4 ft.	Grade:	1
Condition:	Roots Fine Joint		
Remarks:	N/A		



Distance:	118.1 ft.	Grade:	2
Condition:	Tap Break-In Intruding		
Remarks:	N/A		



Distance:	125.0 ft.	Grade:	0
Condition:	Tap Break-In		
Remarks:	N/A		



Distance:	170.2 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	077		

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Defect Listing Plot

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
017_018	Hillview	Easement	Vitrified Clay Pipe	Easement/R...	Sanitary

Upstream MH	Total Length	Year Laid	Shape	Location Details
017			Circular	

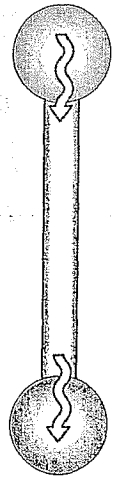
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
018	231.9		10	10		

SPR	N/A	MPR	N/A	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	N/A	Work Order	Purpose: Maintenance Related
QSR	N/A	QMR	N/A		

OPR	Surveyed By	Direction	Date	Media label
N/A	Bunch	Downstream	20130702	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A		Jetting	08:04	Dry	

Date Cleaned	End Time	Additional Info
20130702	08:18	



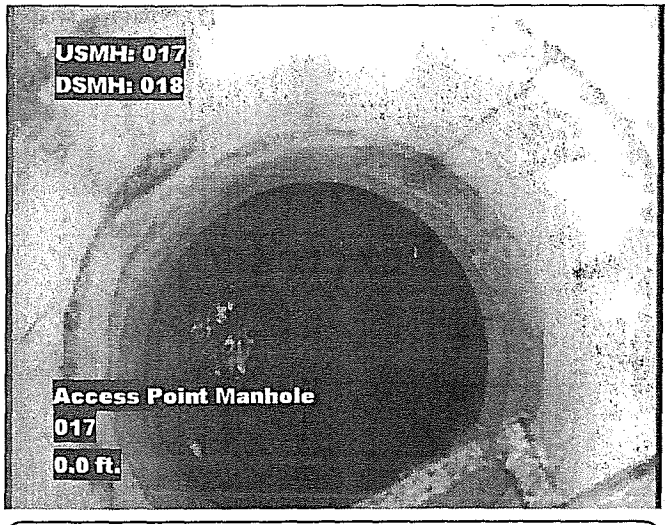
0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
231.9 ft.	Access Point Manhole

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
(502)955*5288

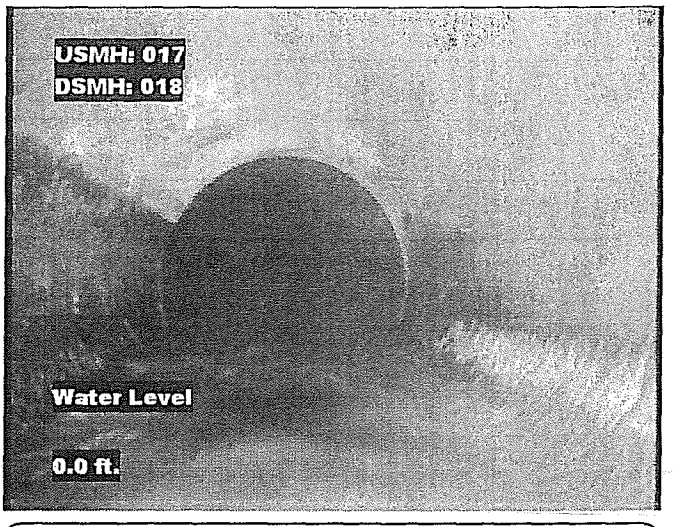
PIPE EYES

Image Report 4/Page

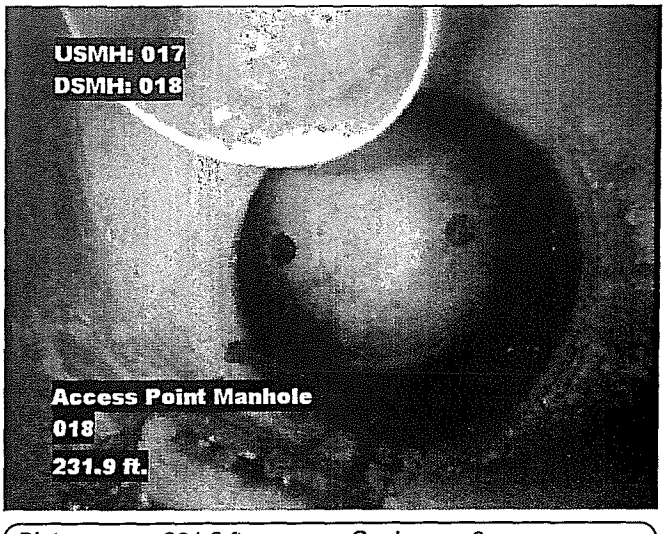
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
017_018	Hillview	Easement	Vitrified Clay Pipe		Easement/R...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
017			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
018	231.9		10	10		



Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: 017



Distance: 0.0 ft. Grade: 0
Condition: Water Level
Remarks: N/A



Distance: 231.9 ft. Grade: 0
Condition: Access Point Manhole
Remarks: 018

Pipe Eyes
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Defect Listing Plot

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
018_019	Hillview	Easement	Vitrified Clay Pipe	Easement/R...	Sanitary

Upstream MH	Total Length	Year Laid	Shape	Location Details
018			Circular	

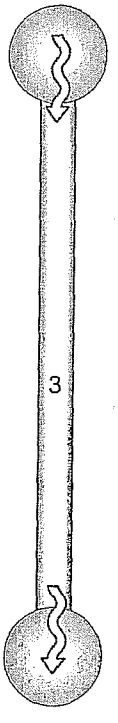
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
019	149.1		10	10		

SPR	N/A	MPR	3	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	3	Work Order	Purpose: Routine Assessment
QSR	N/A	QMR	3100		

OPR	Surveyed By	Direction	Date	Media label
3	Bunch	Downstream	20130702	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
3		Jetting	08:19	Dry	

Date Cleaned	End Time	Additional Info
20130702	08:36	



		018
0.0 ft.	Access Point Manhole	018
0.0 ft.	Water Level	
6.8 ft.	Material Change	DIP
6.8 ft.	Deposits Attached Encrustation	
37.8 ft.	Material Change	VCP
149.1 ft.	Access Point Manhole	019
		019

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
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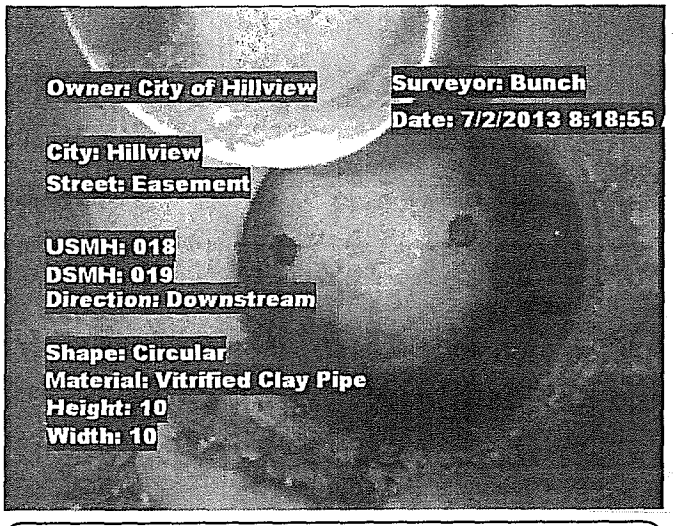
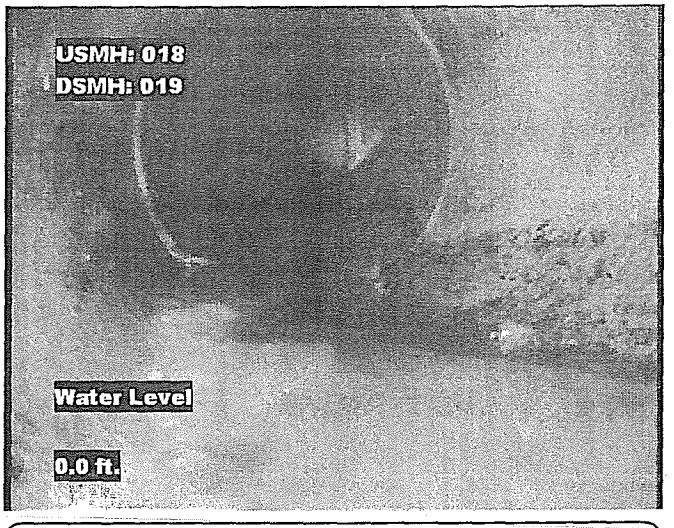
PIPE EYES

Image Report 4/Page

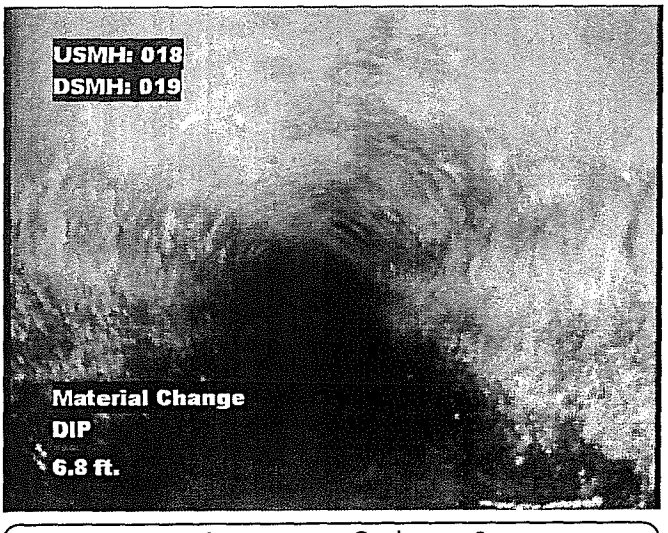
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
018_019	Hillview	Easement	Vitrified Clay Pipe		Easement/R...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
018			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
019	149.1		10	10		



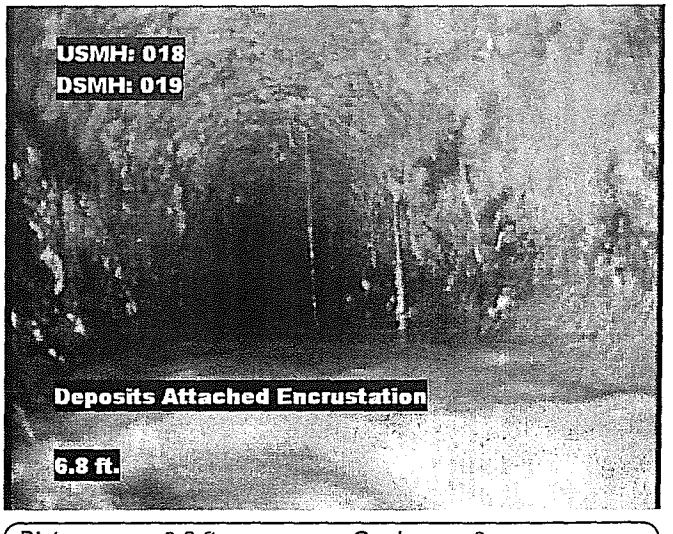
Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	018		



Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	6.8 ft.	Grade:	0
Condition:	Material Change		
Remarks:	DIP		



Distance:	6.8 ft.	Grade:	3
Condition:	Deposits Attached Encrustation		
Remarks:	N/A		

Pipe Eyes
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PIPE EYES

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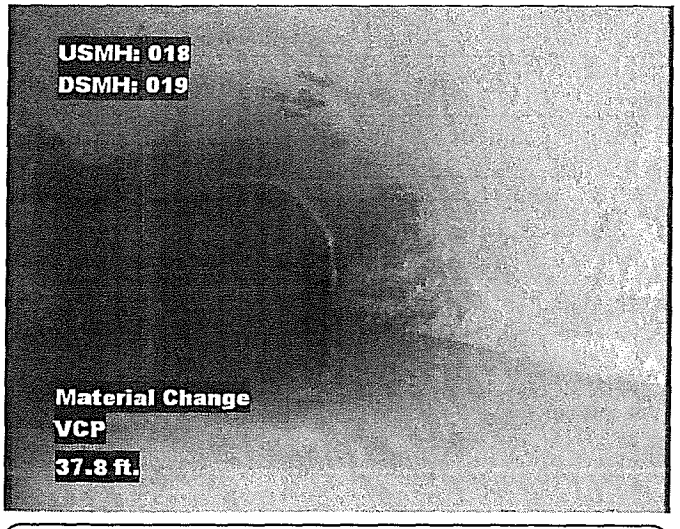
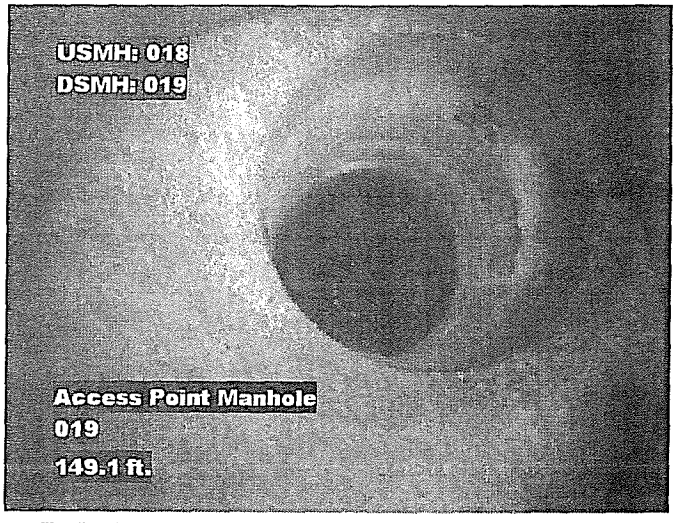
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
018_019	Hillview	Easement	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
018			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
019	149.1		10	10		



Distance:	37.8 ft.	**Grade:**	0
Condition:	Material Change		
Remarks:	VCP		



Distance:	149.1 ft.	**Grade:**	0
Condition:	Access Point Manhole		
Remarks:	019		

Pipe Eyes
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Defect Listing Plot

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
019_080	Hillview	Easement	Vitrified Clay Pipe	Easement/R...	Sanitary

Upstream MH	Total Length	Year Laid	Shape	Location Details
019			Circular	

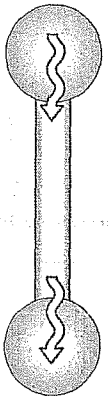
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
080	N/A		12	12		

SPR	N/A	MPR	N/A	PO Number	Customer: City of Hillview
SPRI	N/A	MPRI	N/A	Work Order	Purpose: Routine Assessment
QSR	N/A	QMR	N/A		

OPR	Surveyed By	Direction	Date	Media label
N/A	Bunch	Downstream	20130702	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A		Jetting	08:56	Dry	

Date Cleaned	End Time	Additional Info
20130702	10:03	



0.0 ft. Access Point Manhole

0.0 ft. Water Level

Pipe Eyes
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Louisville KY 40229 Kentucky 40229
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PIPE EYES

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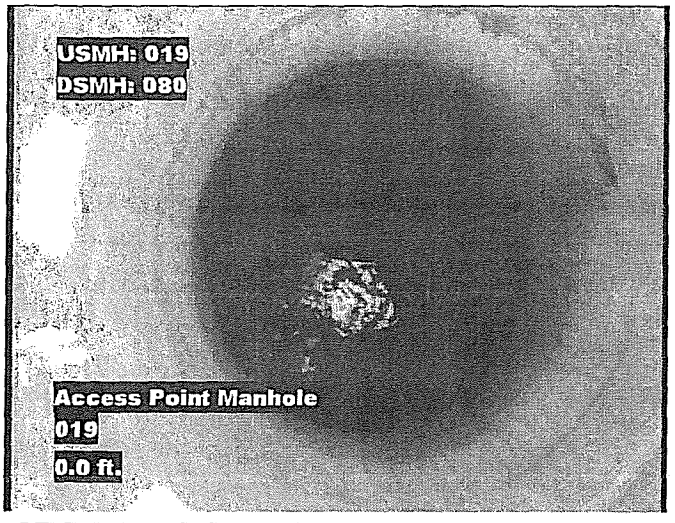
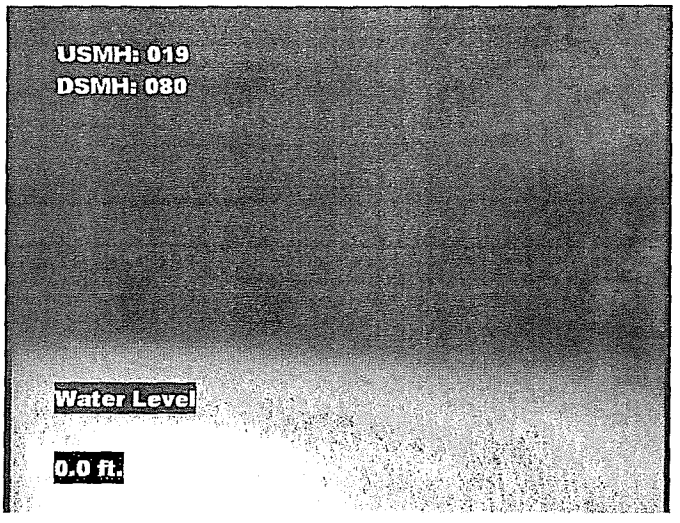
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
019_080	Hillview	Easement	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
019			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
080	N/A		12	12		



Distance:	0.0 ft.	**Grade:**	0
Condition:	Access Point Manhole		
Remarks:	019		



Distance:	0.0 ft.	**Grade:**	0
Condition:	Water Level		
Remarks:	N/A		

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
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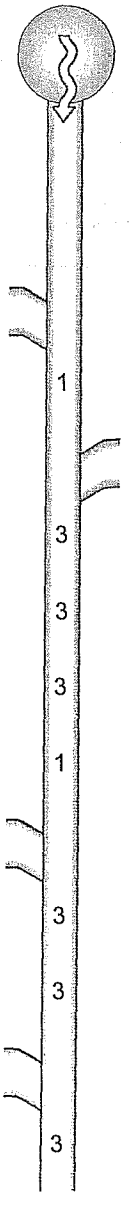
Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
004_075	Hillview	Easement	Vitrified Clay Pipe		Easement/R...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
004			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
075	168.9		8	8		

SPR	3	MPR	17	PO Number	Customer: City of Hillview
SPRI	3	MPRI	2.4	Work Order	Purpose: Routine Assessment
QSR	3100	QMR	3512		

OPR	Surveyed By	Direction	Date	Media label
20	Bunch	Downstream	20130702	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
2.5		Jetting	10:20	Dry
Date Cleaned			End Time	Additional Info
20130702			10:33	



0.0 ft.	Access Point Manhole
0.0 ft.	Water Level
25.2 ft.	Tap Factory Made
25.2 ft.	Roots Fine Connection
27.1 ft.	Tap Factory Made
27.1 ft.	Roots Medium Connection
33.5 ft.	Roots Medium Joint
38.1 ft.	Roots Medium Joint
43.3 ft.	Roots Fine Joint
44.4 ft.	Tap Break-In
44.4 ft.	Roots Medium Connection
53.3 ft.	Roots Medium Joint
65.8 ft.	Tap Factory Made Capped
162.6 ft.	Fracture Longitudinal

Pipe Eyes
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PIPE EYES

Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
004_075	Hillview	Easement	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
004			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
075	168.9		8	8		

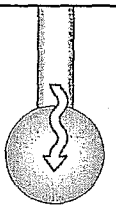
SPR	3	MPR	17	PO Number	Customer: City of Hillview
SPRI	3	MPRI	2.4	Work Order	Purpose: Routine Assessment
QSR	3100	QMR	3512		

OPR	Surveyed By	Direction	Date	Media label
20	Bunch	Downstream	20130702	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather
2.5		Jetting	10:20	Dry

Date Cleaned	End Time	Additional Info
20130702	10:33	

168.9 ft. Access Point Manhole



075

075

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
(502)955*5288

PIPE EYES

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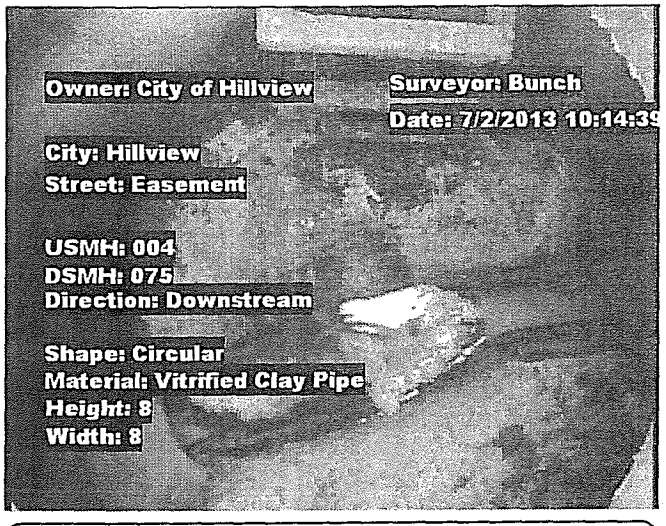
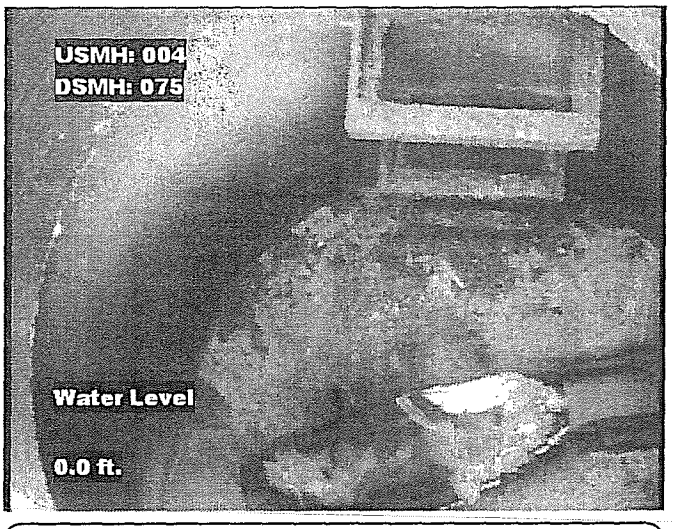
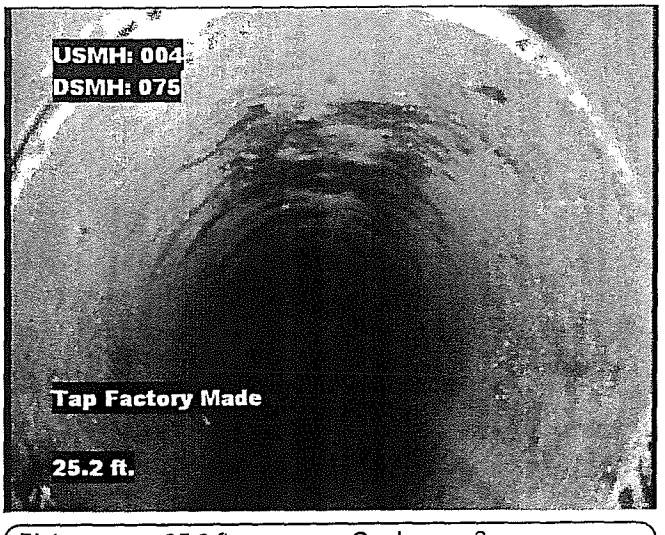
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
004_075	Hillview	Easement	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
004			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
075	168.9		8	8		



Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	004		



Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	25.2 ft.	Grade:	0
Condition:	Tap Factory Made		
Remarks:	N/A		

Distance:	25.2 ft.	Grade:	1
Condition:	Roots Fine Connection		
Remarks:	N/A		

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Louisville KY 40229 Kentucky 40229
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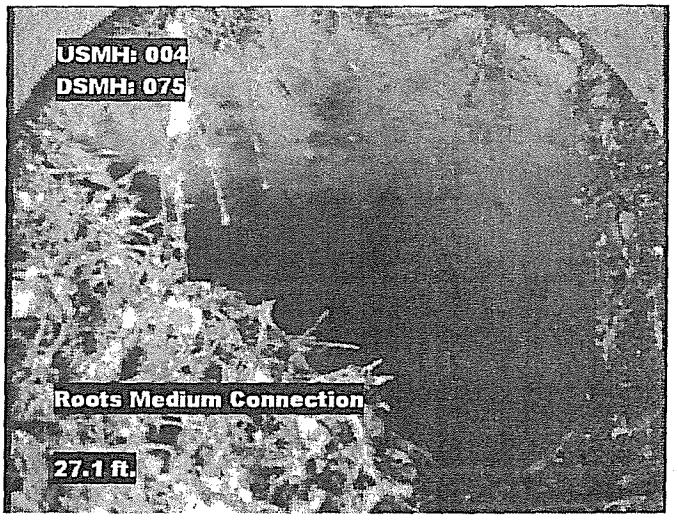
PIPE EYES

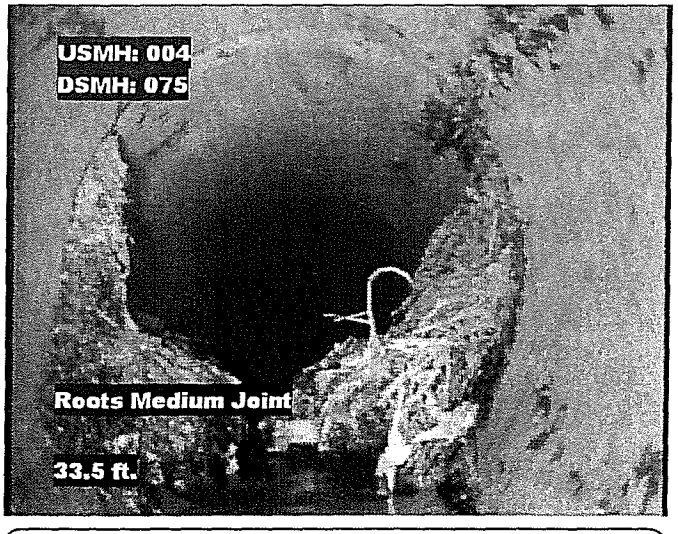
Image Report 4/Page

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
004_075	Hillview	Easement	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
004			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
075	168.9		8	8		

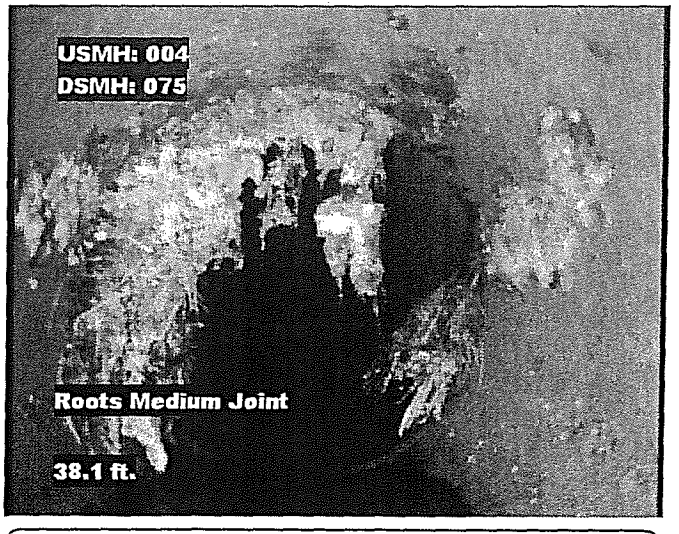
Distance: 27.1 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 27.1 ft. **Grade:** 3
Condition: Roots Medium Connection
Remarks: N/A



Distance: 33.5 ft. **Grade:** 3
Condition: Roots Medium Joint
Remarks: N/A



Distance: 38.1 ft. **Grade:** 3
Condition: Roots Medium Joint
Remarks: N/A

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PIPE EYES

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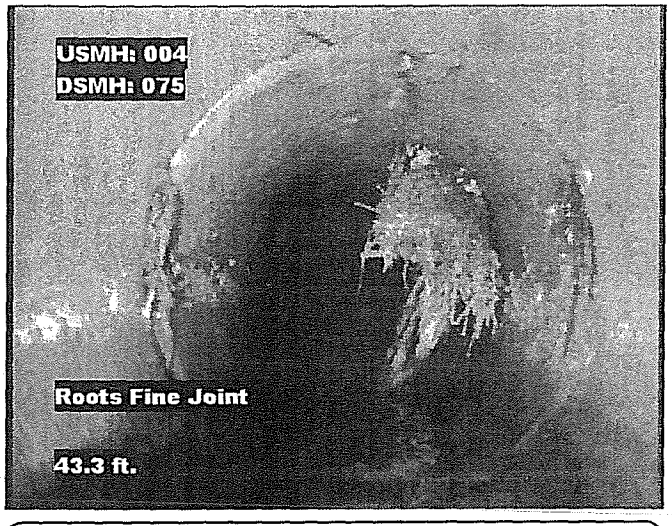
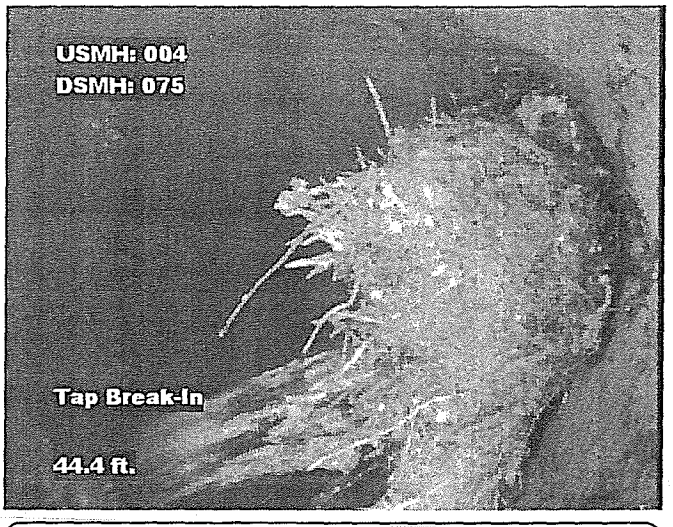
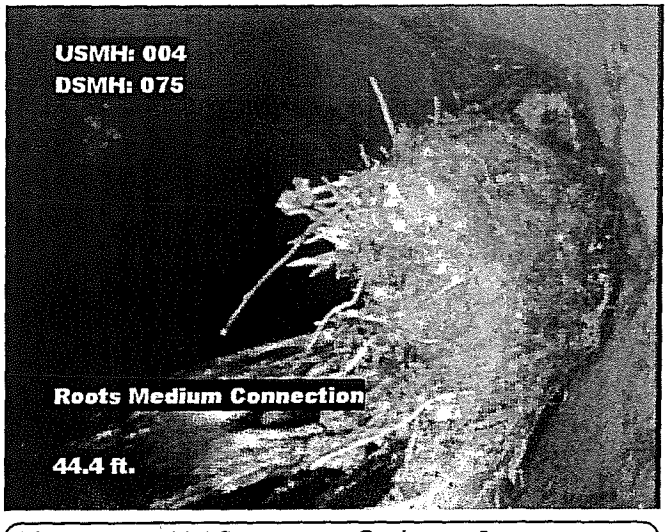
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
004_075	Hillview	Easement	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
004			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
075	168.9		8	8		



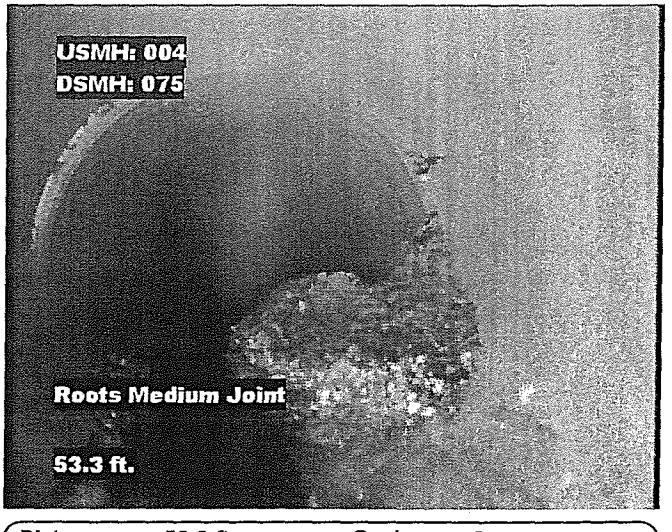
Distance:	43.3 ft.	Grade:	1
Condition:	Roots Fine Joint		
Remarks:	N/A		



Distance:	44.4 ft.	Grade:	0
Condition:	Tap Break-In		
Remarks:	N/A		



Distance:	44.4 ft.	Grade:	3
Condition:	Roots Medium Connection		
Remarks:	N/A		



Distance:	53.3 ft.	Grade:	3
Condition:	Roots Medium Joint		
Remarks:	N/A		

Pipe Eyes
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PIPE EYES

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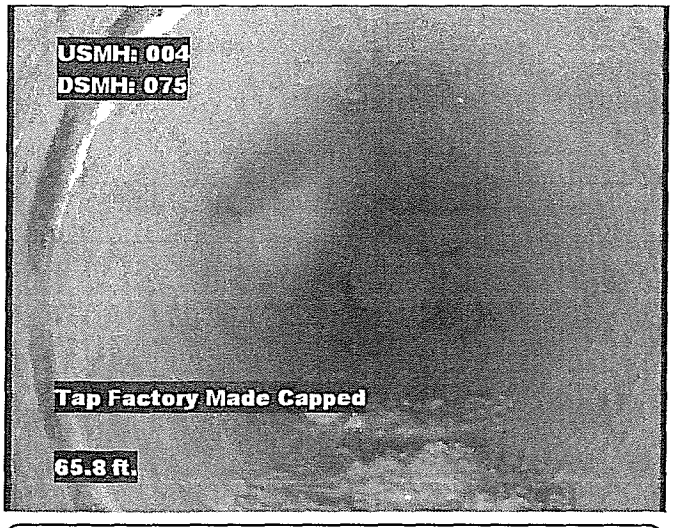
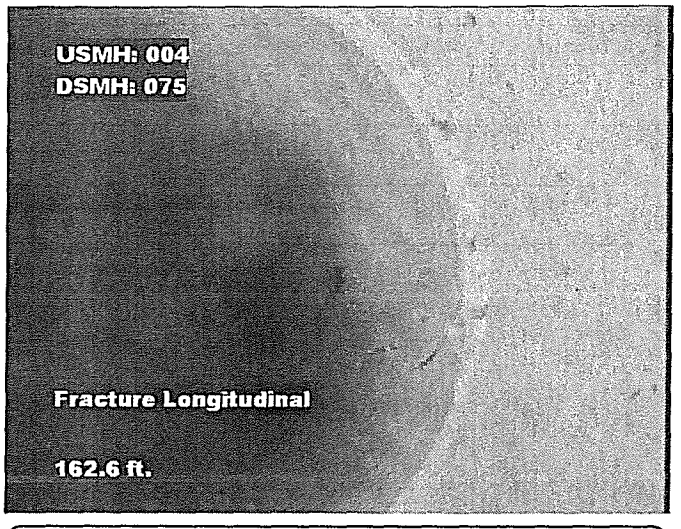
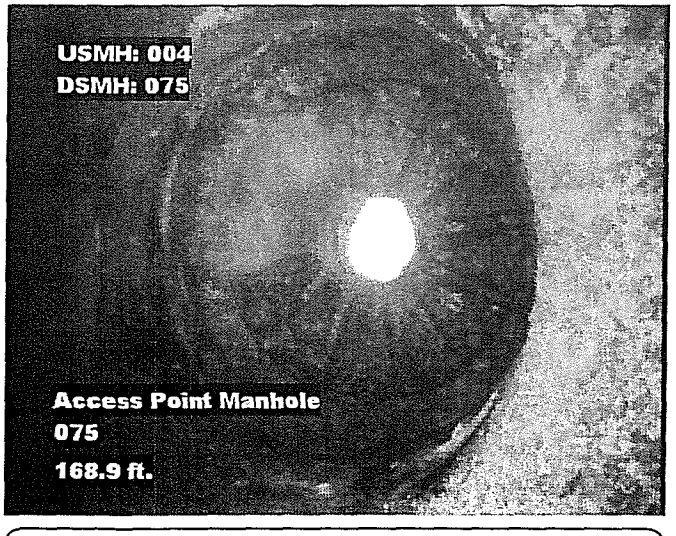
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
004_075	Hillview	Easement	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
004			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
075	168.9		8	8		



Distance:	65.8 ft.	Grade:	0
Condition:	Tap Factory Made Capped		
Remarks:	N/A		



Distance:	162.6 ft.	Grade:	3
Condition:	Fracture Longitudinal		
Remarks:	N/A		



Distance:	168.9 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	075		

Pipe Eyes
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Louisville KY 40229 Kentucky 40229
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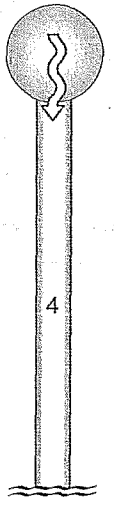
Defect Listing Plot

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
082_074	Hillview	Easement	Vitrified Clay Pipe		Easement/R...	Sanitar
Upstream MH	Total Length	Year Laid	Shape		Location Details	
082			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
074	6		8	8		

				PO Number	Customer
SPR	N/A	MPR	4		City of Hillview
SPRI	N/A	MPRI	4	Work Order	Purpose
QSR	N/A	QMR	4100		Routine Assessment

OPR	Surveyed By	Direction	Date	Media label
4	Bunch	Downstream	20130702	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
4		Jetting	10:47	Dry
Date Cleaned			End Time	Additional Info
20130702			10:52	



0.0 ft.	Access Point Manhole	
0.0 ft.	Water Level	
6.0 ft.	Roots Ball Joint	
6.0 ft.	Survey Abandoned	Can not pass root ball

Pipe Eyes
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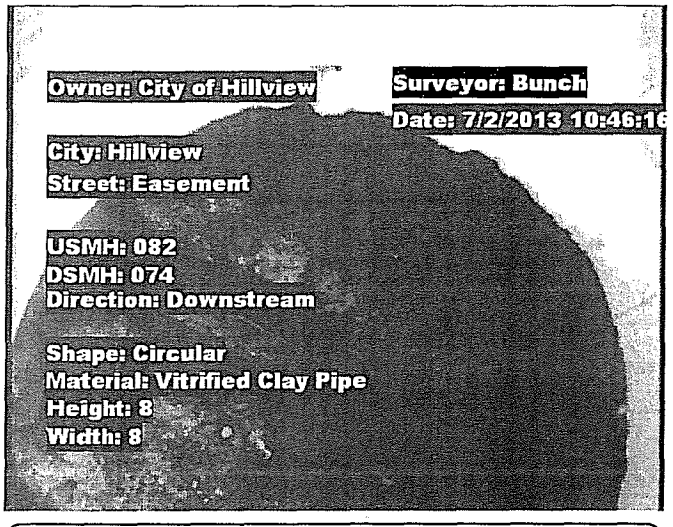
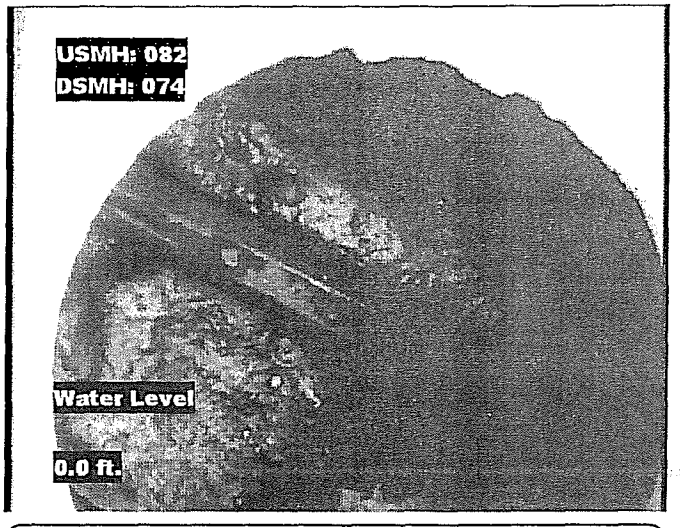
PIPE EYES

Image Report 4/Page

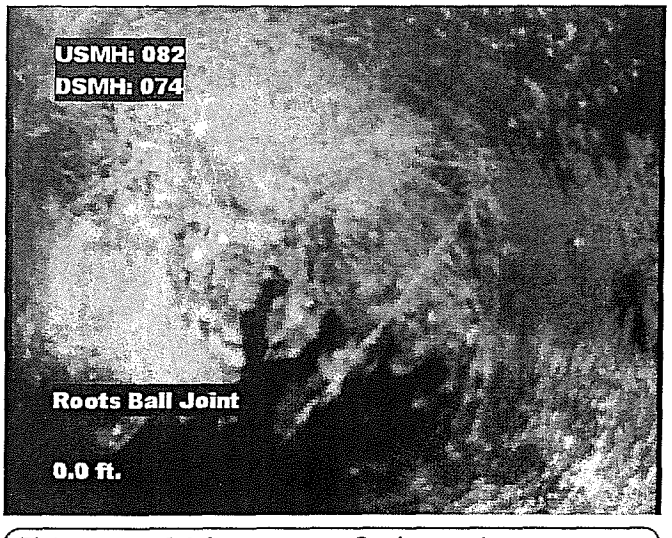
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
082_074	Hillview	Easement	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
082			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
074	6		8	8		



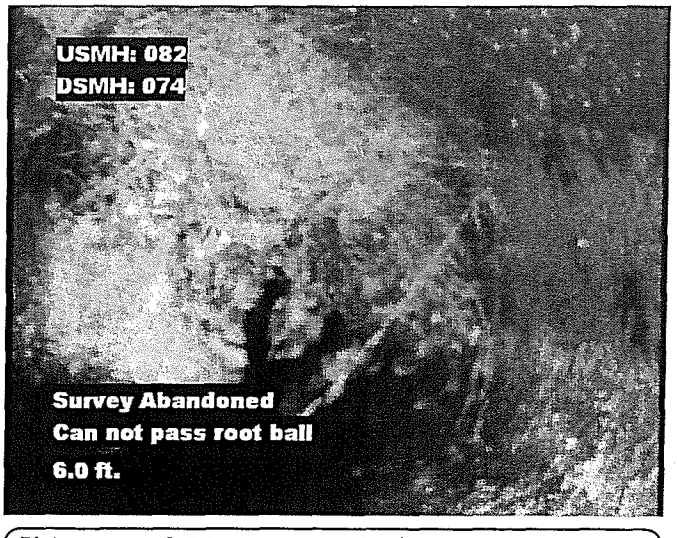
Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	082		



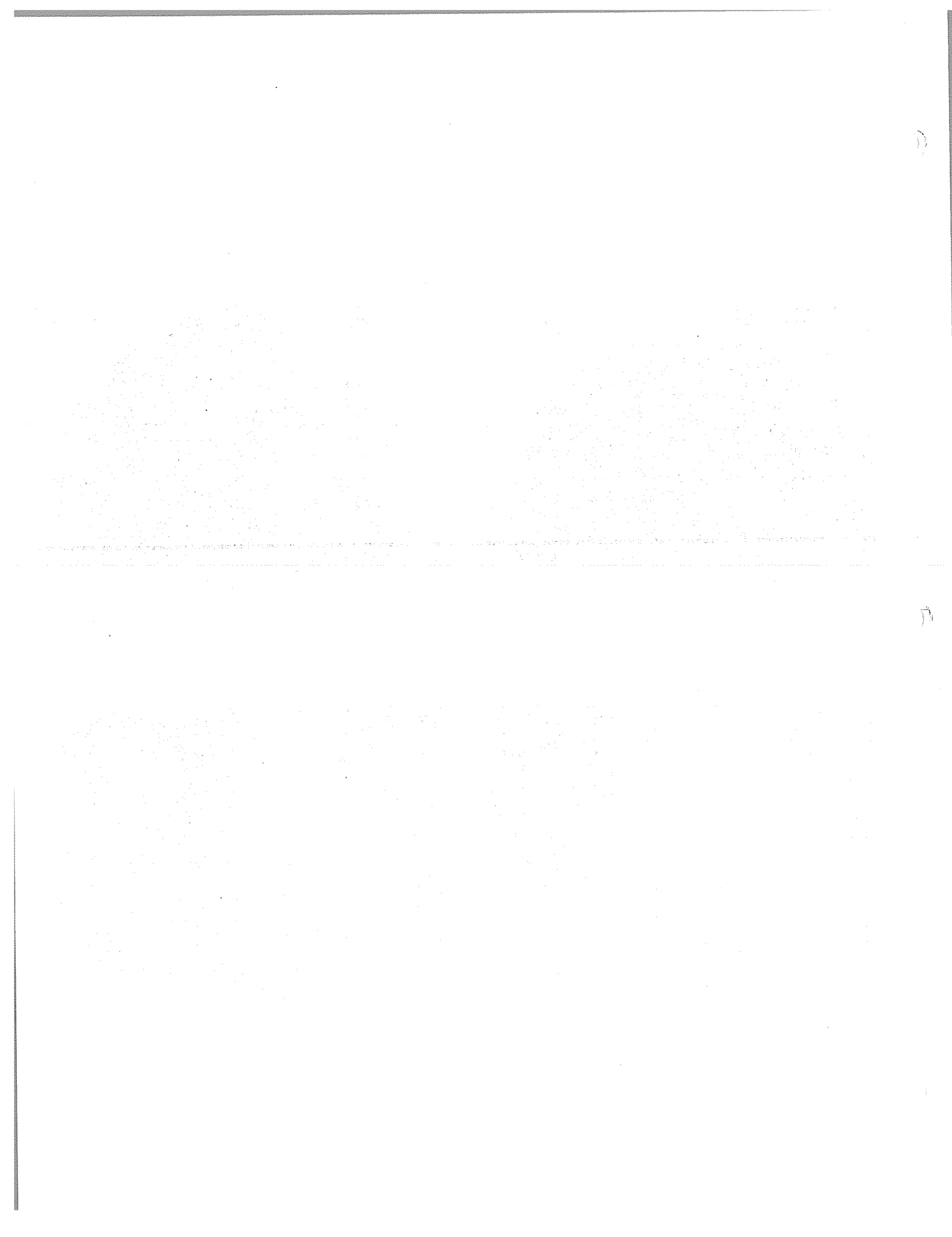
Distance:	0.0 ft.	Grade:	0
Condition:	Water Level		
Remarks:	N/A		



Distance:	6.0 ft.	Grade:	4
Condition:	Roots Ball Joint		
Remarks:	N/A		



Distance:	6.0 ft.	Grade:	0
Condition:	Survey Abandoned		
Remarks:	Can not pass root ball		



PIPE EYES, LLC

PE-08092013-528-1

Smith Grove Addition Hunters Hollow

Video Inspection of 8" Sanitary Sewer

Prepared for

Bullitt Utilities INC.
Larry Smither
P.O. Box 91588
Louisville, KY. 40291

Pipe Eyes, LLC
2393 Alumni Drive, Suite 100
Lexington KY 40517
859.266.3200 Office 859.269.7200 Fax

1. Notification: Pipe Eyes LLC will submit a Video Inspection Report ("Report") to Customer, documenting its investigation. Submission of the Report will be the only responsibility of Pipe Eyes with regard to its investigation. Under no circumstances will Pipe Eyes have any duty to warn, notify or take any other actions whatsoever concerning any hazard or danger which may be discovered by Pipe Eyes or indicated by its Report, including but not limited to, notification concerning dangers which may be associated with gas lines penetrating sewer or storm sewer pipelines. Customer agrees that it has the sole duty to warn, notify or take remedial action concerning any hazards or dangers indicated or documented in the Report. Customer agrees that it will promptly take any and all actions necessary, reasonable or appropriate to make safe any hazardous or dangerous condition(s) indicated by its Report and will promptly notify and warn any persons or entities of any known dangers, which are necessary, reasonable or prudent.

2. Data: The Report generated and submitted to Customer by Pipe Eyes is uninterpreted data. Pipe Eyes takes no responsibility for analyzing or interpreting any of this data with respect to any potential danger, which may or may not be identifiable from its Report. The sole purpose of the Report is to provide raw data to Customer so that it may determine potential areas of blockage, leakage, seepage, and/or any hazards or dangers, so that the Customer may make its own determination as to the appropriate course of action to remedy such conditions.

3. Indemnification: Customer shall indemnify, defend and hold harmless Pipe Eyes LLC and its members, managers, officers, employees, agents and representatives from and against any claims, demands, liabilities, losses, damages, actions, causes of action, judgments, costs and expenses of any kind or character including, without limitation, reasonable attorneys' fees, for injuries or death to persons and/or damage to property arising out of, resulting from or in any way incident to any hazardous or dangerous condition existing in Customer's pipelines or identified or identifiable in its Report(s).

Project Information

Project Name:	Project Number:	Date:
Smith Grove Addition Hunter Hollow		

Client	**Bullit Utilities INC**
Responsible:	**Larry Smither**
Department:	
Street:	**P.O Box 91588**
City:	**Louisville 40291**
Telephone:	**(502) 693-8634**
Fax:	
Mobile:	
EMail:	

PIPE EYES

Contractor	**Pipe Eyes**
Responsible:	**Bobby Chesnut**
Department:	
Street:	**145 Smith Lane**
City:	**Louisville KY 40229**
Telephone:	**(502)955-5288**
Fax:	**(502)955-5413**
Mobile:	**(859)983-3873**
EMail:	**www.pipeeyesllc.com**

Notes:

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
(502)955-5288

Project Summary

Project Name:	Smith Grove Addition Hunter Hollow							
US MH	DS MH	Pipe ID	Date	Street	Material	Size	Total	Insp
SGS-1	SGS-2	SGS-1_SGS-2	8/6/2013	Shelby Cir	PolyVinyl Chloride	8	0	104.3
SGS-15	SGS-10	SGS-10_SGS-15	8/7/2013	Shelby Ct	PolyVinyl Chloride	8	0	386.1
SGS-11	SGS-10	SGS-11_SGS-10	8/7/2013	Shelby Cir	PolyVinyl Chloride	8	0	173.7
SGS-12	SGS-11	SGS-12_SGS-11	8/6/2013	Shelby Cir	PolyVinyl Chloride	8	0	216.2
SGS-13	SGS-12	SGS-13_SGS-12	8/6/2013	Shelby Cir	PolyVinyl Chloride	8	0	100.3
SGS-14	SGS-13	SGS-14_SGS-13	8/6/2013	Shelby Cir	PolyVinyl Chloride	8	0	254.2
SGS-14	SGS-13	SGS-14_SGS-13	8/6/2013	Shelby Cir	PolyVinyl Chloride	8	0	0
SGS-16	066	SGS-16_066	8/7/2013	Smith Ln	PolyVinyl Chloride	8	0	144.2
SGS-17	SGS-16	SGS-16_SGS-17	8/7/2013	Smith Ln	PolyVinyl Chloride	8	0	146.4
SGS-2	SGS-4	SGS-4_SGS-2	8/6/2013	Shelby Cir	PolyVinyl Chloride	8	0	239.3
SGS-4	SGS-5	SGS-4_SGS-5	8/6/2013	Shelby Cir	PolyVinyl Chloride	8	0	220.5
SGS-3	SGS-5	SGS-5_SGS-3	8/6/2013	Shelby Cir	PolyVinyl Chloride	8	0	86.1
SGS-5	SGS-6	SGS-5_SGS-6	8/7/2013	Shelby Ct	PolyVinyl Chloride	8	0	133.7
SGS-5	SGS-6	SGS-5_SGS-6	8/7/2013	Shelby Ct	PolyVinyl Chloride	8	0	0
SGS-6	SGS-7	SGS-6_SGS-7	8/7/2013	Shelby Ct	PolyVinyl Chloride	8	0	123.7
SGS-10	SGS-9	SGS-8_SGS-10	8/7/2013	Shelby Ct	PolyVinyl Chloride	8	0	159.9
SGS-8	SGS-17	SGS-8_SGS-17	8/7/2013	Shelby Ct	PolyVinyl Chloride	8	0	148.6
SGS-7	SGS-8	SGSS-8_SGS-7	8/7/2013	Shelby Ct	PolyVinyl Chloride	8	0	272.8

Pipe Size: 8 **Total Ln.:** 0 **Inspected Ln.:** 2910

Project Total Ln.: 0.0 **Project Inspected Ln.:** 2910.0

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
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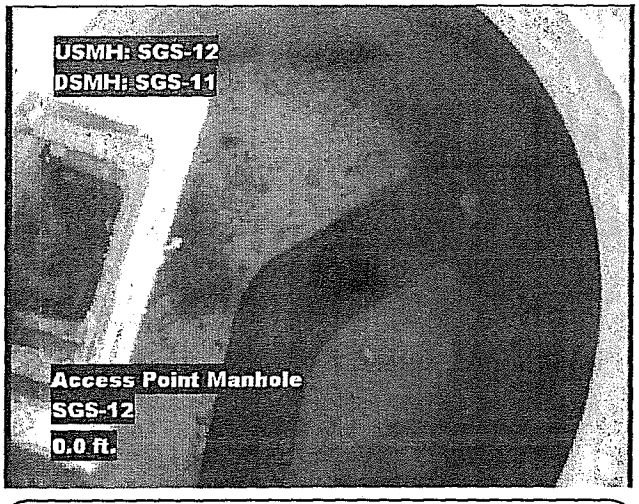
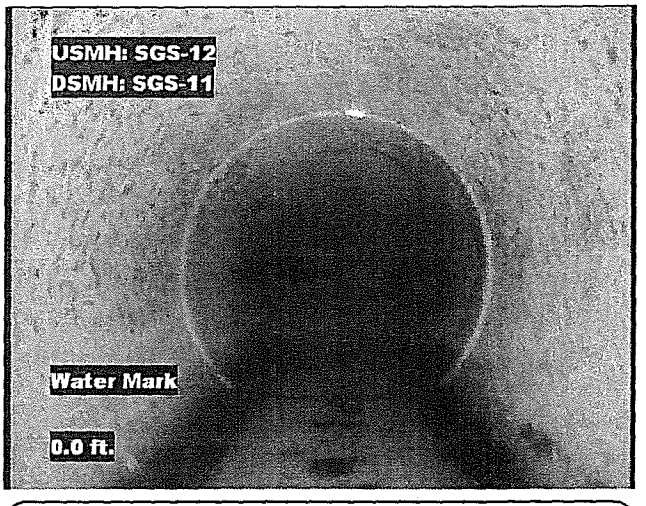
PIPE EYES

Image Report 4/Page

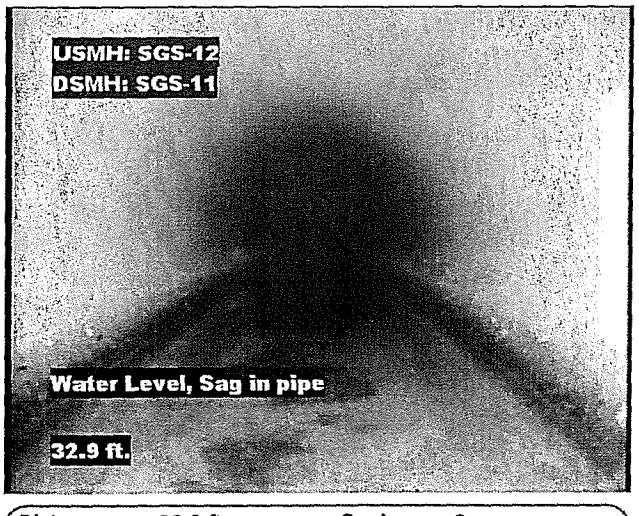
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-12_SGS-11	Hillview	Shelby Cir	PolyVinyl Chloride		Sidewalk	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-12			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-11	216.2		8	8		



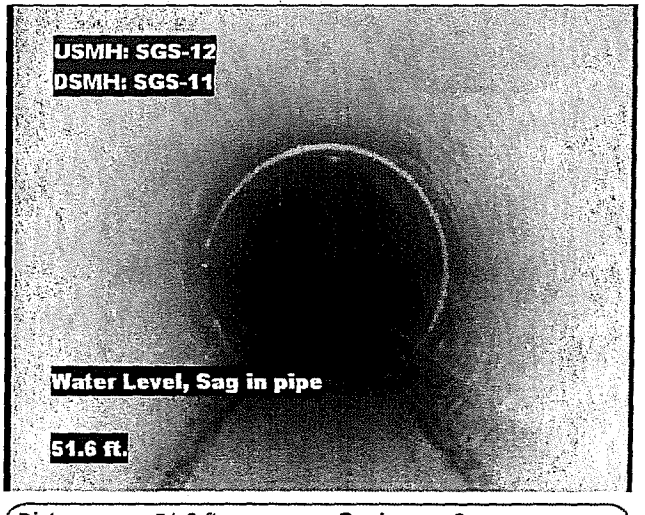
Distance: 0.0 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: SGS-12



Distance: 0.0 ft. **Grade:** 0
Condition: Water Mark
Remarks: N/A



Distance: 32.9 ft. **Grade:** 2
Condition: Water Level, Sag in pipe
Remarks: N/A



Distance: 51.6 ft. **Grade:** 2
Condition: Water Level, Sag in pipe
Remarks: N/A

Pipe Eyes
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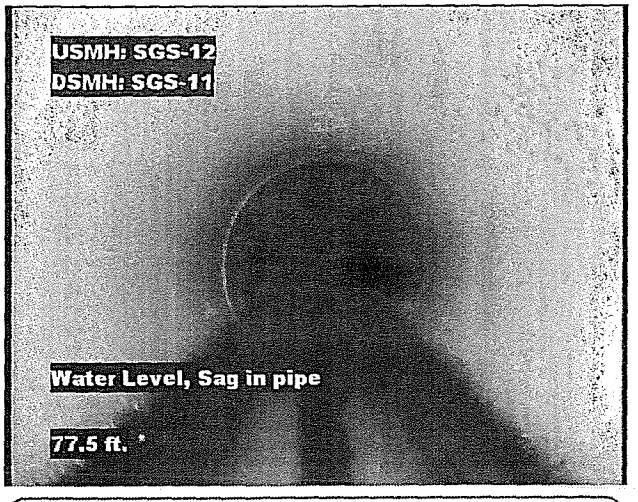
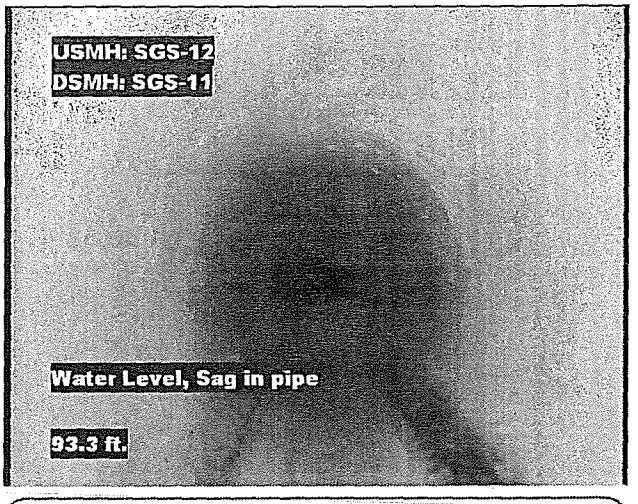
PIPE EYES

Image Report 4/Page

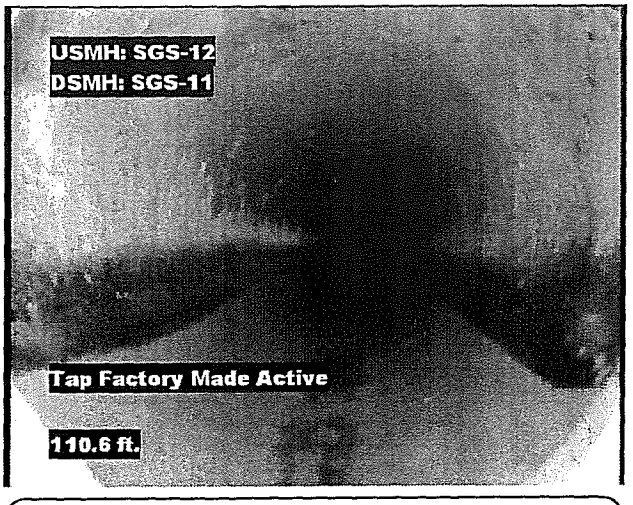
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-12_SGS-11	Hillview	Shelby Cir	PolyVinyl Chloride		Sidewalk	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-12			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-11	216.2		8	8		



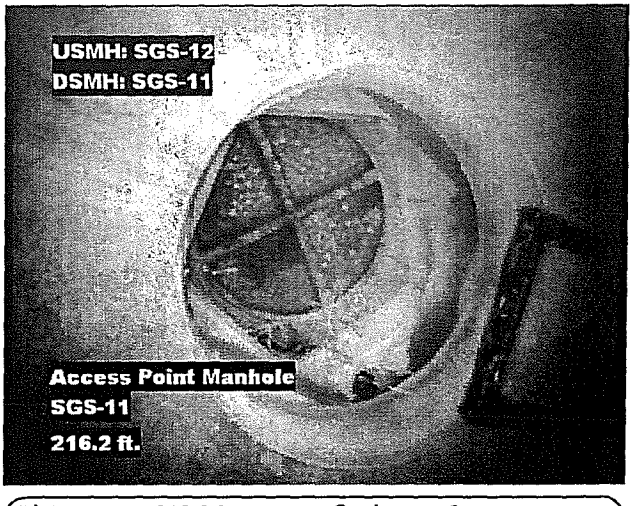
Distance: 77.5 ft. **Grade:** 2
Condition: Water Level, Sag in pipe
Remarks: N/A



Distance: 93.3 ft. **Grade:** 2
Condition: Water Level, Sag in pipe
Remarks: N/A



Distance: 110.6 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 216.2 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: SGS-11

Pipe Eyes
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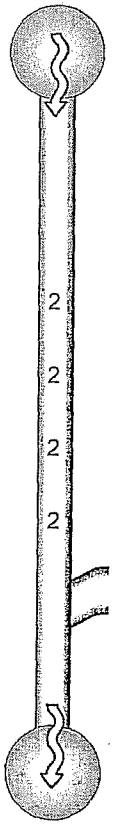
PIPE EYES

Defect Listing Plot Left

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-12_SGS-11	Hillview	Shelby Cir	PolyVinyl Chloride		Sidewalk	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-12			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-11	216.2		8	8		

SPR	MPR	PO Number	Customer
SPRI	MPRI		Camben Environmental
QSR	QMR	Work Order	Purpose
			Maintenance Related

OPR	Surveyed By	Direction	Date	Media label	
	Jason_Crites	Downstream	20130806	1	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	Situation
	U-907-5639	Jetting	12:08	Dry	
Result	Present	Date Cleaned	End Time	Additional Info	
		20130730	12:19		



SGS-12

	Code:	Continuous:	Pos:	Val 1 / 2 :	% :	Gallons:
0.0 ft.	Access Point Manhole SGS-12					
0.0 ft.	Water Mark				5	
32.9 ft.	Water Level, Sag in pipe	Start S01			20	
51.6 ft.	Water Level, Sag in pipe	End F01			20	
77.5 ft.	Water Level, Sag in pipe	Start S02			15	
93.3 ft.	Water Level, Sag in pipe	End F02			15	
110.6 ft.	Tap Factory Made Active		9	4		
216.2 ft.	Access Point Manhole SGS-11					

SGS-11

Pipe Eyes
145 Smith Lane
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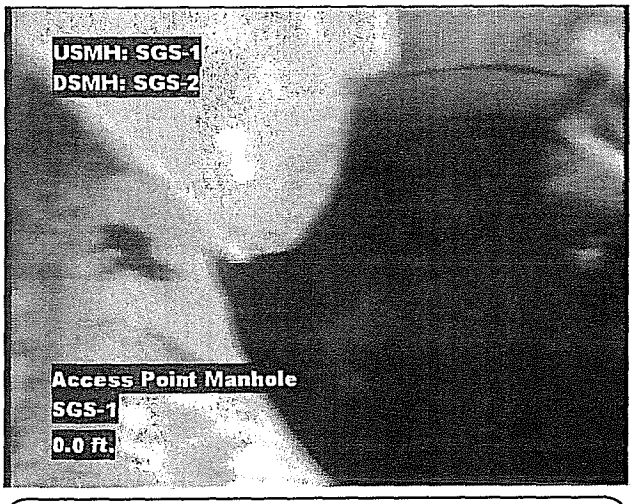
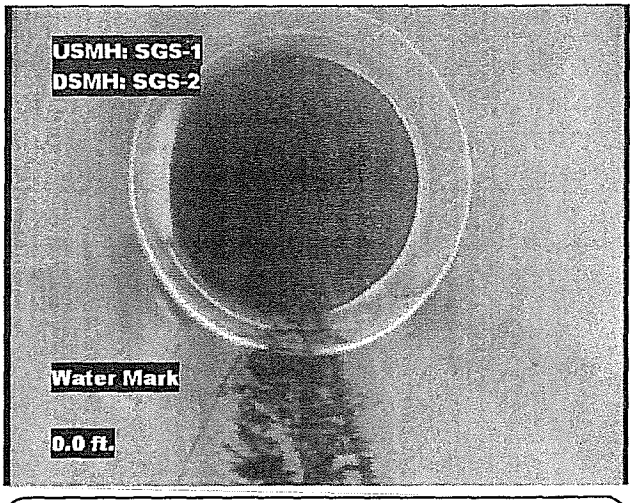
PIPE EYES

Image Report 4/Page

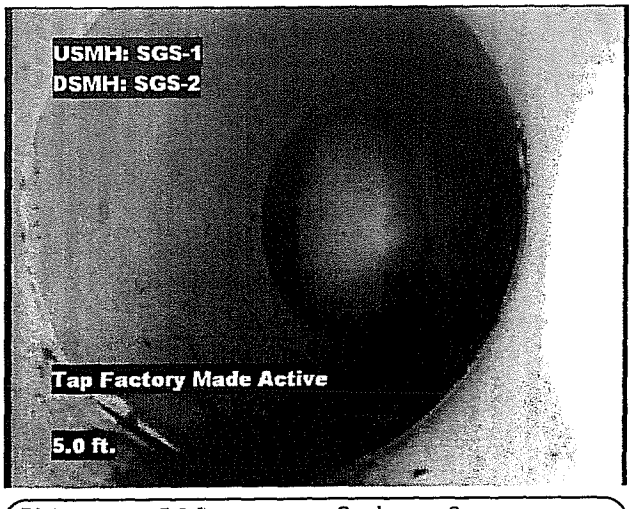
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-1_SGS-2	Hillview	Shelby Cir	PolyVinyl Chloride		Sidewalk	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-1			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-2	104.3		8	8		



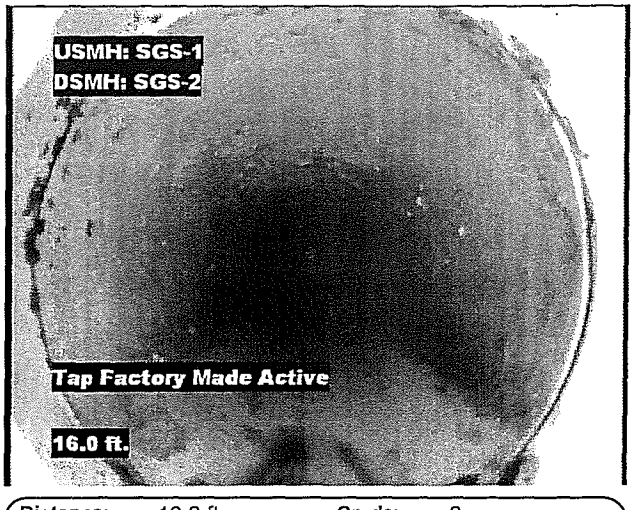
Distance: 0.0 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: SGS-1



Distance: 0.0 ft. **Grade:** 0
Condition: Water Mark
Remarks: N/A



Distance: 5.0 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 16.0 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A

Pipe Eyes
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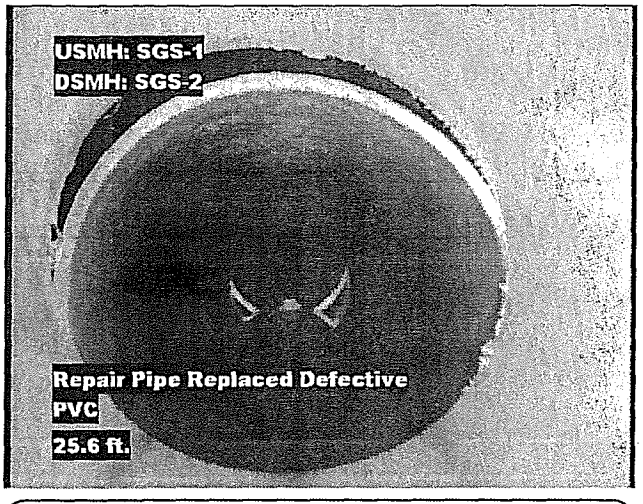
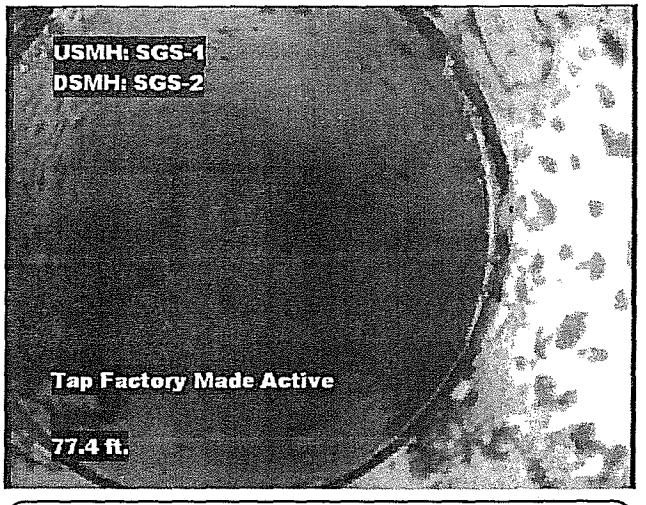
PIPE EYES

Image Report 4/Page

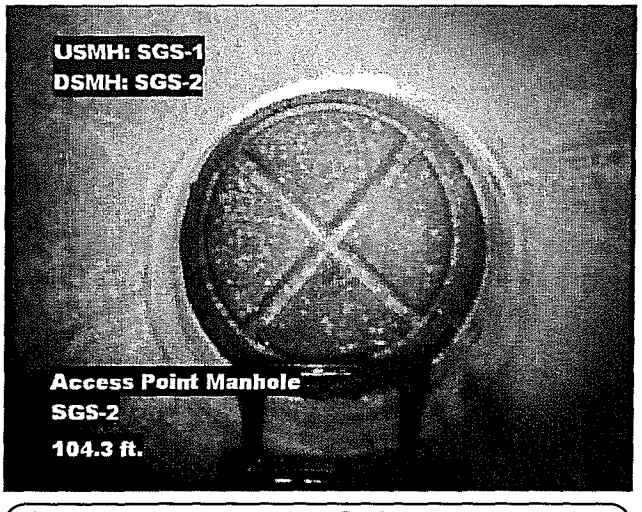
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-1_SGS-2	Hillview	Sheiby Cir	PolyVinyl Chioride		Sidewalk	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-1			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-2	104.3		8	8		



Distance: 25.6 ft. **Grade:** 4
Condition: Repair Pipe Replaced Defective
Remarks: PVC



Distance: 77.4 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 104.3 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: SGS-2

Pipe Eyes
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PIPE EYES

Defect Listing Plot Left

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
SGS-1_SGS-2	Hillview	Shelby Cir	PolyVinyl Chloride	Sidewalk	Sanitary

Upstream MH	Total Length	Year Laid	Shape	Location Details
SGS-1			Circular	

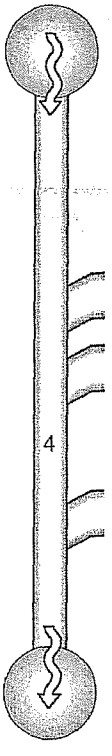
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-2	104.3		8	8		

SPR	4	MPR	N/A	PO Number	Customer: Camben Environmental
SPRI	4	MPRI	N/A	Work Order	Purpose: Maintenance Related
QSR	4100	QMR	N/A		

OPR	Surveyed By	Direction	Date	Media label
4	Jason_Crites	Downstream	20130806	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather	Situation
4	U-907-5639	Jetting	13:00	Dry	

Result	Present	Date Cleaned	End Time	Additional Info
		20130730	13:09	



	Code:	Continuous:	Pos:	Val 1 / 2 :	% :	Gallons:
0.0 ft.	Access Point Manhole SGS-1					
0.0 ft.	Water Mark				5	
5.0 ft.	Tap Factory Made Active		9	4		
16.0 ft.	Tap Factory Made Active		9	4		
25.6 ft.	Repair Pipe Replaced Defective PVC		12 - 12			
77.4 ft.	Tap Factory Made Active		9	4		
104.3 ft.	Access Point Manhole SGS-2					

Pipe Eyes
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Louisville KY 40229 Kentucky 40229
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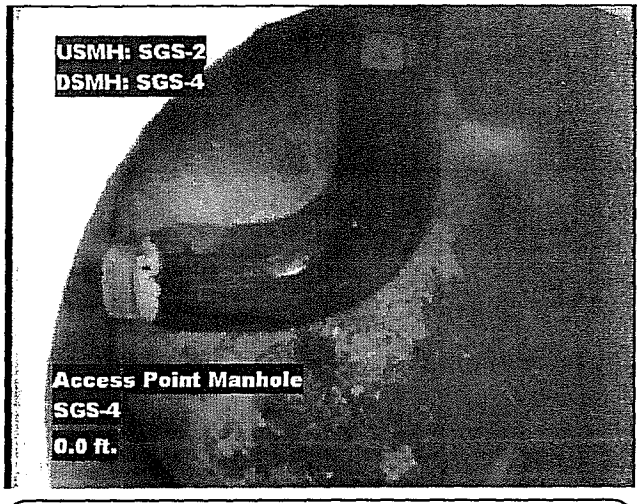
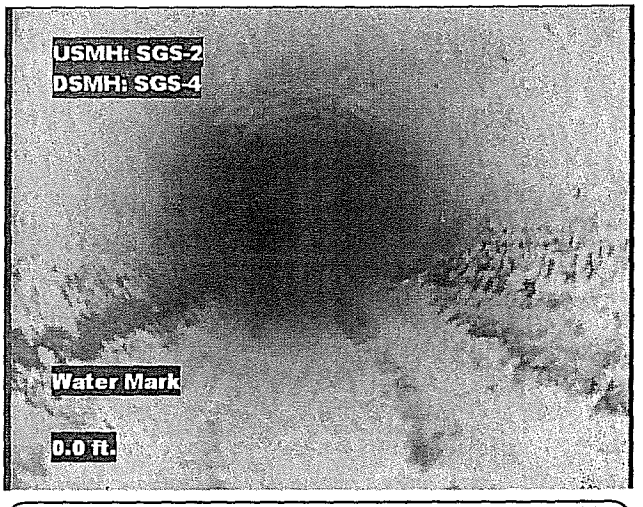
PIPE EYES

Image Report 4/Page

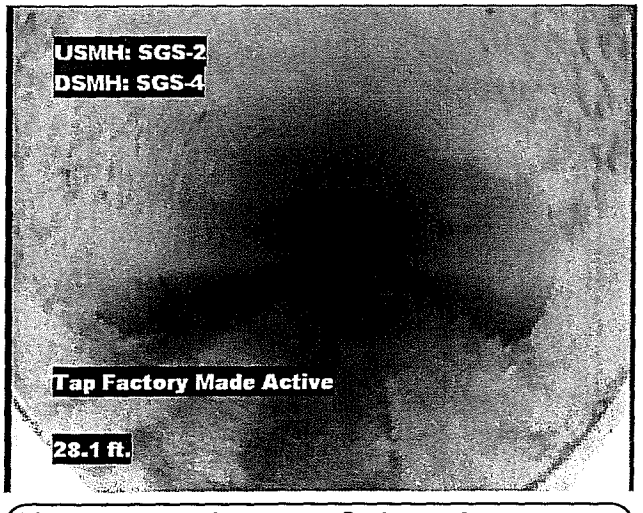
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-4_SGS-2	Hillview	Shelby Cir	PolyVinyl Chloride		Sidewalk	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-2			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-4	239.3		8	8		



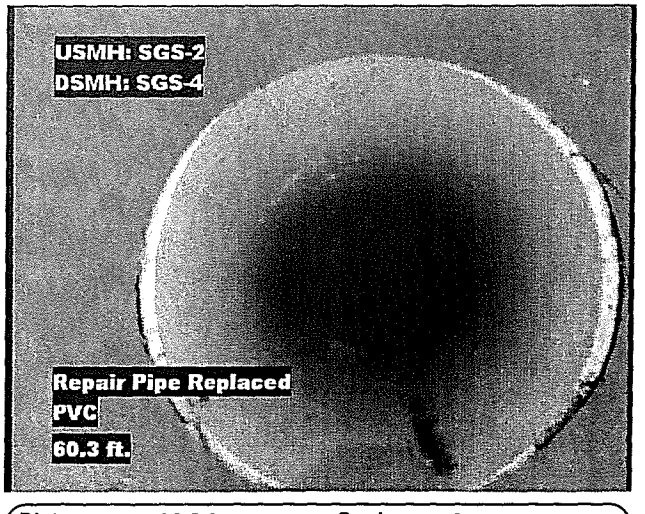
Distance: 0.0 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: SGS-4



Distance: 0.0 ft. **Grade:** 0
Condition: Water Mark
Remarks: N/A



Distance: 28.1 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



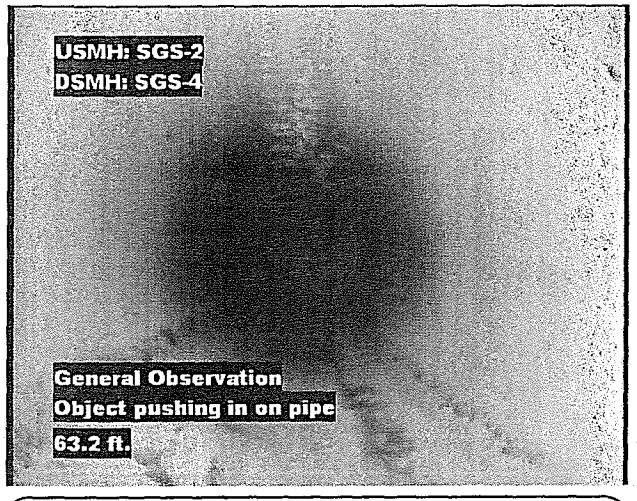
Distance: 60.3 ft. **Grade:** 0
Condition: Repair Pipe Replaced
Remarks: PVC

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
(502)955-5288

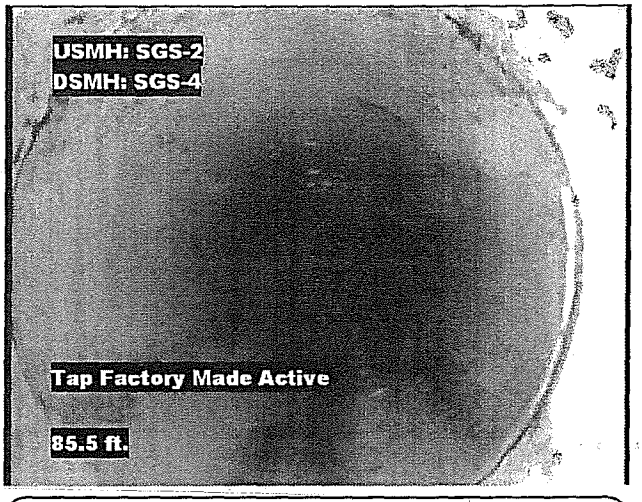
PIPE EYES

Image Report 4/Page

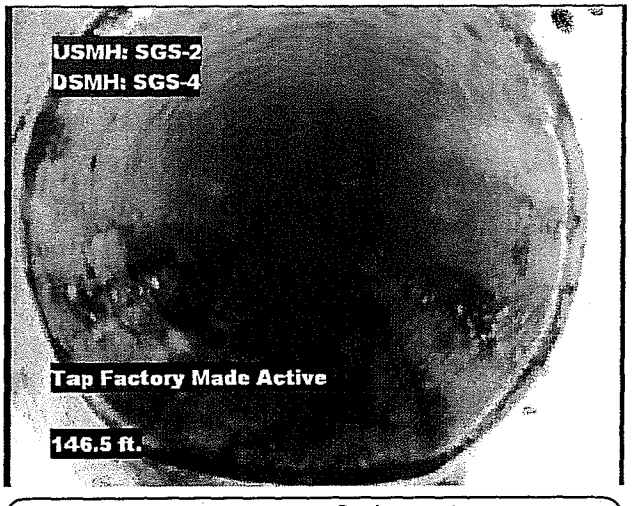
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-4_SGS-2	Hillview	Shelby Cir	PolyVinyl Chloride		Sidewalk	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-2			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-4	239.3		8	8		



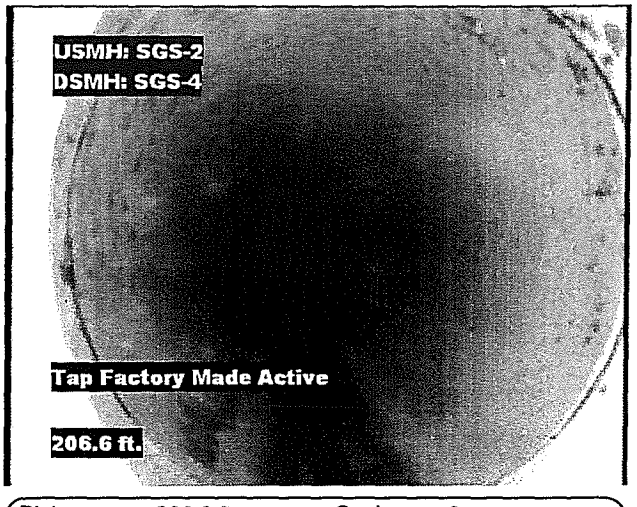
Distance: 63.2 ft. **Grade:** 0
Condition: General Observation
Remarks: Object pushing in on pipe



Distance: 85.5 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 146.5 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 206.6 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A

Pipe Eyes
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PIPE EYES

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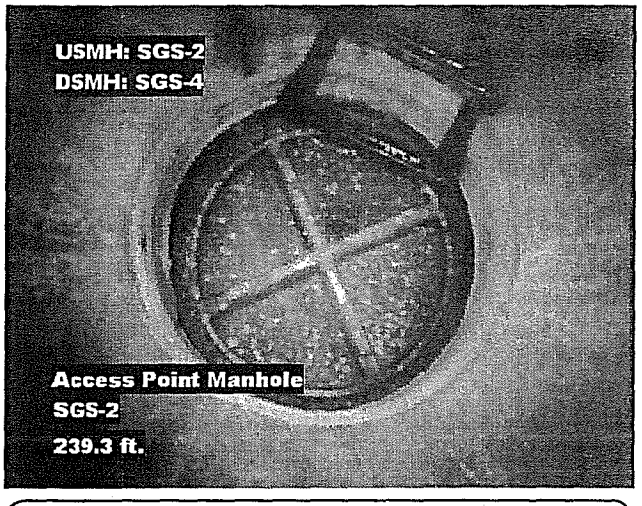
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-4_SGS-2	Hillview	Shelby Cir	PolyVinyl Chlorlde		Sidewalk	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-2			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-4	239.3		8	8		



Distance: 239.3 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: SGS-2

Pipe Eyes
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Louisville KY 40229 Kentucky 40229
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Defect Listing Plot Left

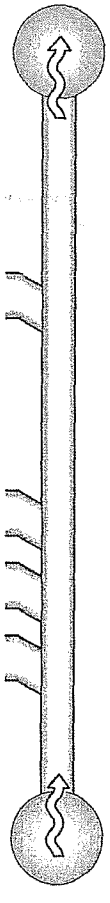
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-4_SGS-2	Hillview	Shelby Cir	PolyVinyl Chloride		Sidewalk	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-2			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-4	239.3		8	8		

SPR	N/A	MPR	N/A	PO Number	Customer: Camben Environmental
SPRI	N/A	MPRI	N/A	Work Order	Purpose: Maintenance Related
QSR	N/A	QMR	N/A		

OPR	Surveyed By	Direction	Date	Media label
N/A	Jason_Crites	Upstream	20130806	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather	Situation
N/A	U-907-5639	Jetting	13:51	Dry	

Result	Present	Date Cleaned	End Time	Additional Info
		20130730	14:02	



SGS-4

	Code:	Continuous:	Pos:	Val 1 / 2 :	% :	Gallons:
0.0 ft.	Access Point Manhole SGS-4					
0.0 ft.	Water Mark				5	
28.1 ft.	Tap Factory Made Active		3	4		
60.3 ft.	Repair Pipe Replaced PVC					
63.2 ft.	General Observation Object pushing in on pipe					
85.5 ft.	Tap Factory Made Active		3	4		
146.5 ft.	Tap Factory Made Active		3	4		
206.6 ft.	Tap Factory Made Active		3	4		
239.3 ft.	Access Point Manhole SGS-2					

SGS-2

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
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PIPE EYES

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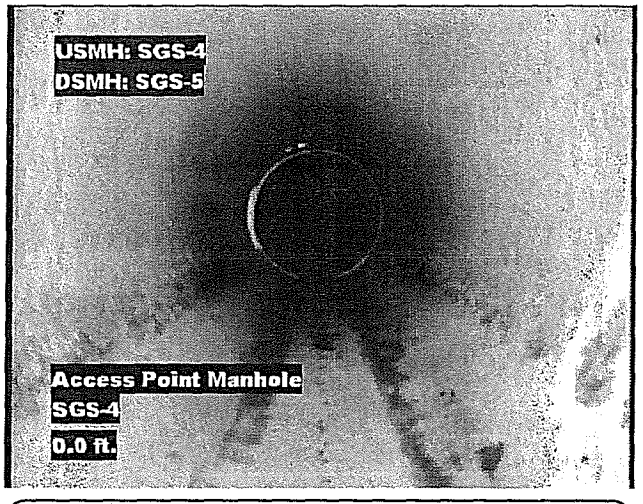
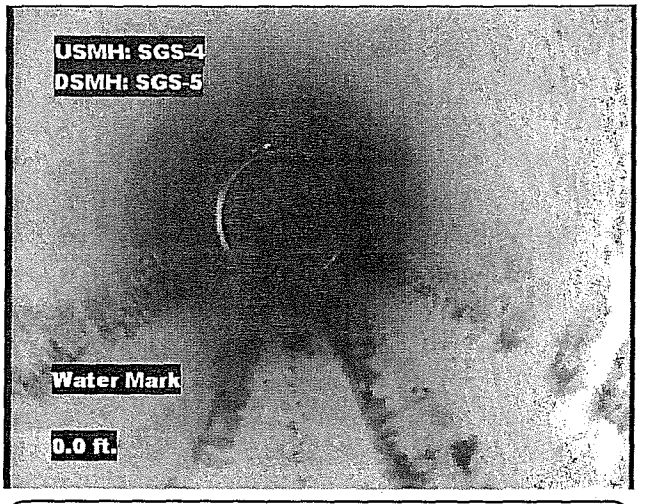
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-4_SGS-5	Hillview	Shelby Cir	PolyVinyl Chloride		Sidewalk	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-4			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-5	220.5		8	8		

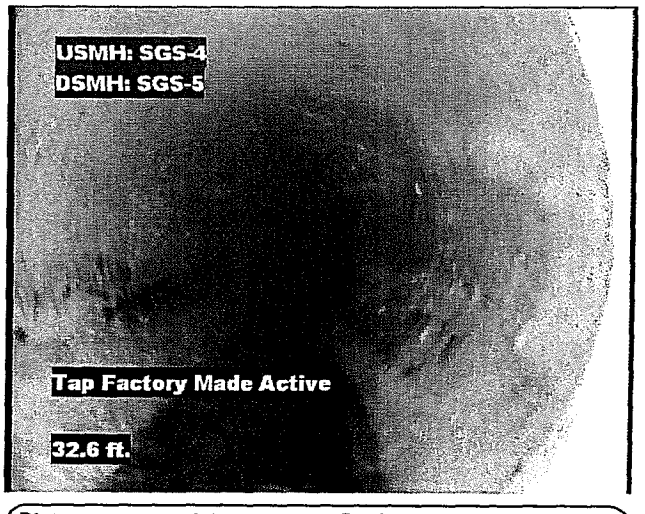


Distance: 0.0 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: SGS-4



Distance: 0.0 ft. **Grade:** 0
Condition: Water Mark
Remarks: N/A

Distance: 6.0 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 32.6 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A

Pipe Eyes
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Louisville KY 40229 Kentucky 40229
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PIPE EYES

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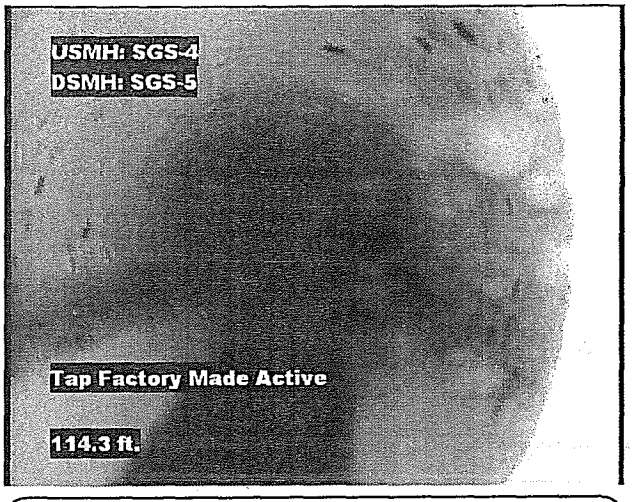
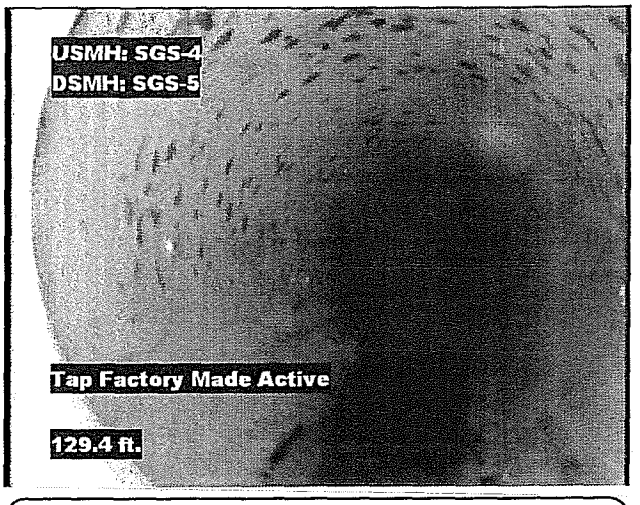
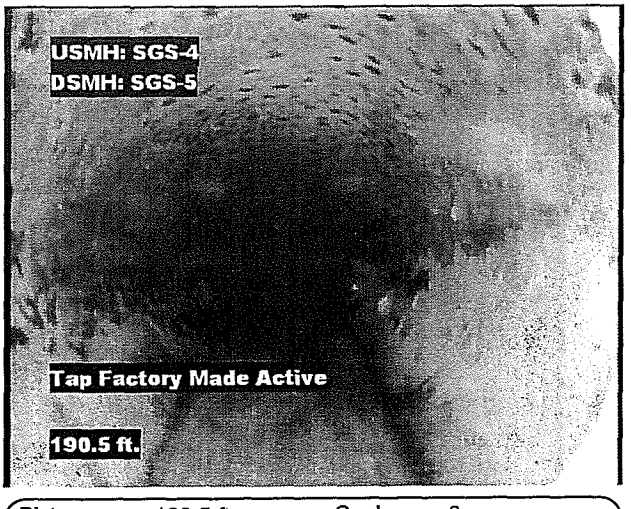
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-4_SGS-5	Hillview	Shelby Cir	PolyVinyl Chloride		Sidewalk	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-4			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-5	220.5		8	8		



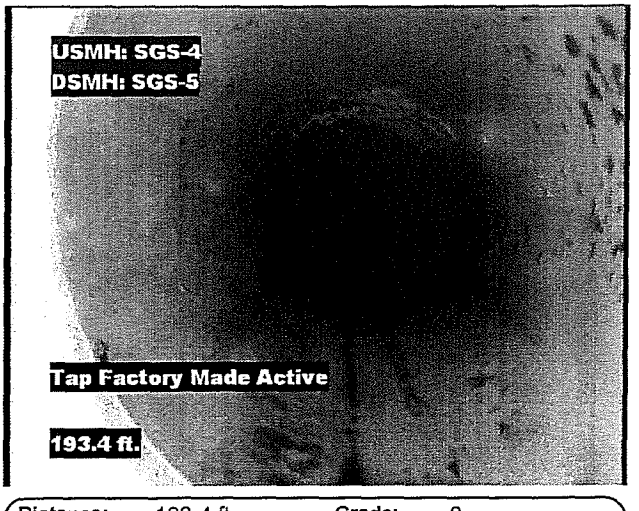
Distance: 114.3 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 129.4 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 190.5 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 193.4 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A

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PIPE EYES

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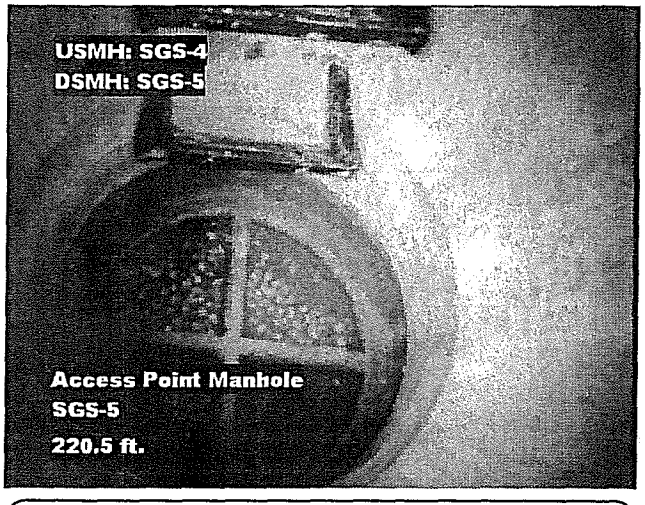
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-4_SGS-5	Hillview	Shelby Cir	PolyVinyl Chloride		Sidewalk	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-4			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-5	220.5		8	8		



Distance:	220.5 ft.	**Grade:**	0
Condition:	Access Point Manhole		
Remarks:	SGS-5		

Pipe Eyes
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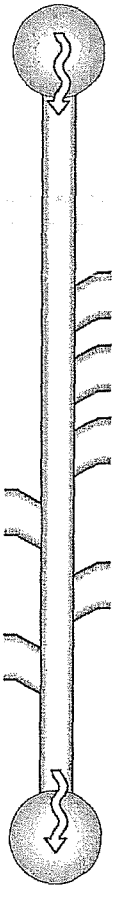
PIPE EYES

Defect Listing Plot Left

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-4_SGS-5	Hillview	Shelby Cir	PolyVinyl Chloride		Sidewalk	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-4			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-5	220.5		8	8		

SPR	N/A	MPR	N/A	PO Number	Customer: Camben Environmental
SPRI	N/A	MPRI	N/A	Work Order	Purpose: Maintenance Related
QSR	N/A	QMR	N/A		

OPR	Surveyed By	Direction	Date	Media label	
N/A	Jason_Crites	Downstream	20130806	1	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	Situation
N/A	U-907-5639	Jetting	14:07	Dry	
Result	Present	Date Cleaned	End Time	Additional Info	
		20130730	14:17		



	Code:	Continuous:	Pos:	Val 1 / 2 :	% :	Gallons:
0.0 ft.	Access Point Manhole SGS-4					
0.0 ft.	Water Mark				5	
6.0 ft.	Tap Factory Made Active		9	4		
32.6 ft.	Tap Factory Made Active		9	4		
114.3 ft.	Tap Factory Made Active		9	4		
129.4 ft.	Tap Factory Made Active		3	4		
190.5 ft.	Tap Factory Made Active		9	4		
193.4 ft.	Tap Factory Made Active		3	4		
220.5 ft.	Access Point Manhole SGS-5					

SGS-4

SGS-5

Pipe Eyes
145 Smith Lane
Loulsville KY 40229 Kentucky 40229
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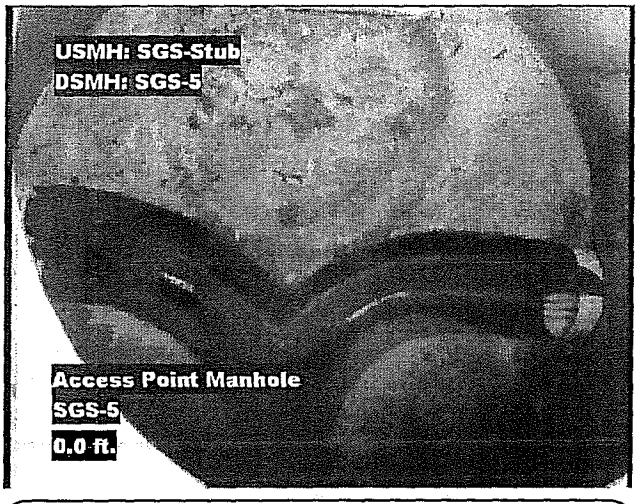
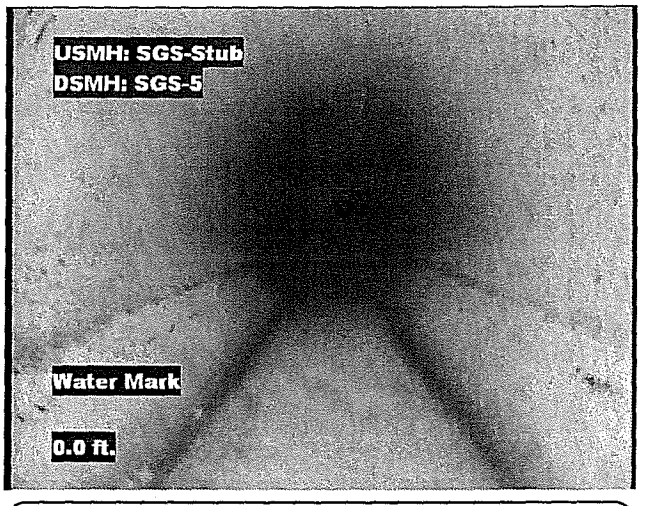
PIPE EYES

Image Report 4/Page

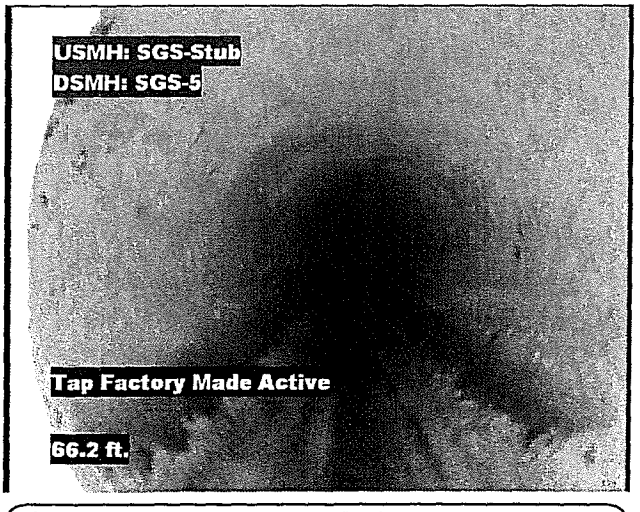
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-5_SGS-3	Hillview	Shelby Cir	PolyVinyl Chloride		Sidewalk	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-3			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-5	86.1		8	8		



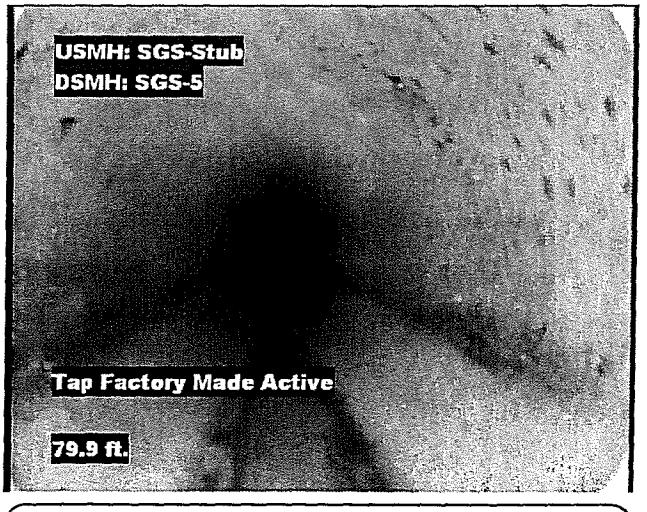
Distance: 0.0 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: SGS-5



Distance: 0.0 ft. **Grade:** 0
Condition: Water Mark
Remarks: N/A



Distance: 66.2 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 79.9 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A

Pipe Eyes
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PIPE EYES

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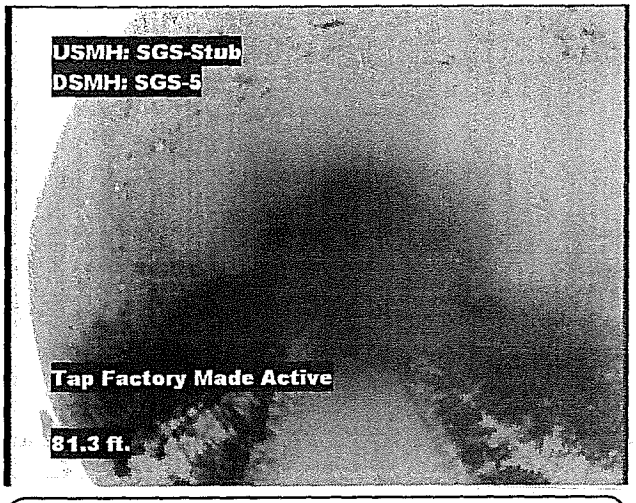
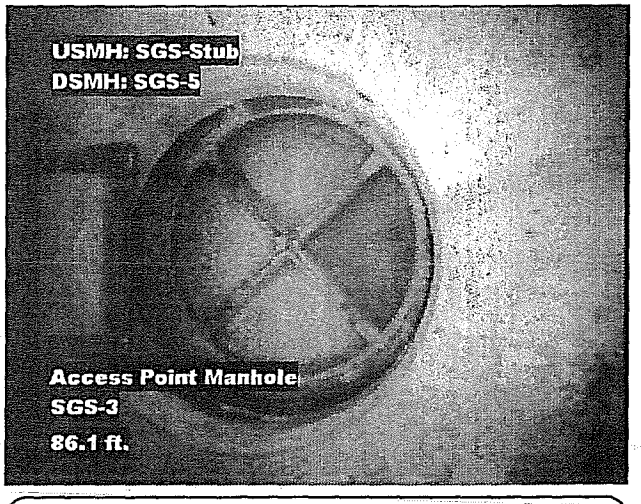
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-5_SGS-3	Hillview	Shelby Cir	PolyVinyl Chloride		Sidewalk	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-3			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-5	86.1		8	8		



Distance: 81.3 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 86.1 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: SGS-3

Pipe Eyes
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Louisville KY 40229 Kentucky 40229
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PIPE EYES

Defect Listing Plot Left

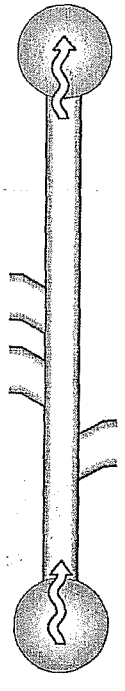
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-5_SGS-3	Hillview	Shelby Cir	PolyVinyl Chloride		Sidewalk	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-3			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-5	86.1		8	8		

SPR	N/A	MPR	N/A	PO Number	Customer: Camben Environmental
SPRI	N/A	MPRI	N/A	Work Order	Purpose: Maintenance Related
QSR	N/A	QMR	N/A		

OPR	Surveyed By	Direction	Date	Media label
N/A	Jason_Crites	Upstream	20130806	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather	Situation
N/A	U-907-5639	Jetting	14:26	Dry	

Result	Present	Date Cleaned	End Time	Additional Info
		20130730	14:32	



SGS-5

	Code:	Continuous:	Pos:	Val 1 / 2 :	% :	Gallons:
0.0 ft.	Access Point Manhole SGS-5					
0.0 ft.	Water Mark				5	
66.2 ft.	Tap Factory Made Active		3	4		
79.9 ft.	Tap Factory Made Active		3	4		
81.3 ft.	Tap Factory Made Active		9	4		
86.1 ft.	Access Point Manhole SGS-3					

SGS-3

Pipe Eyes
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PIPE EYES

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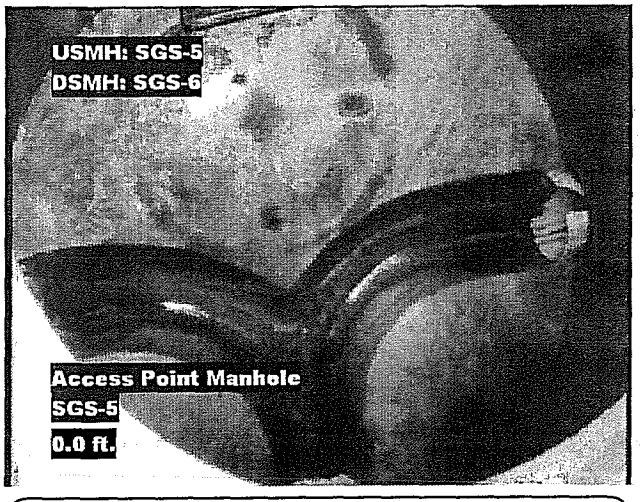
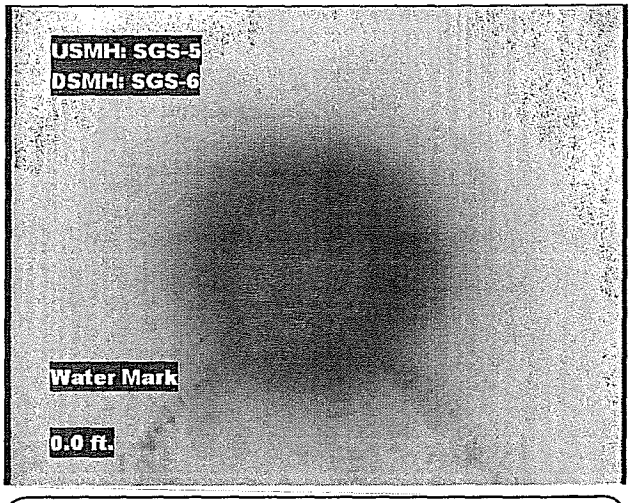
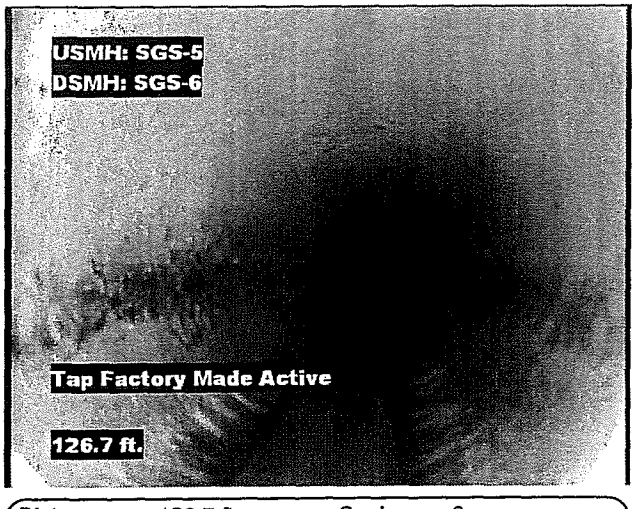
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-5_SGS-6	Hillview	Shelby Ct	PolyVinyl Chloride		Sidewalk	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-5			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-6	133.7		8	8		



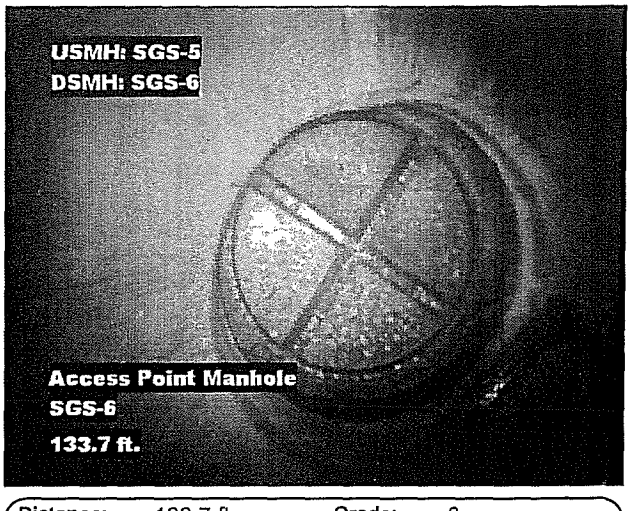
Distance: 0.0 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: SGS-5



Distance: 0.0 ft. **Grade:** 0
Condition: Water Mark
Remarks: N/A



Distance: 126.7 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 133.7 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: SGS-6

Pipe Eyes
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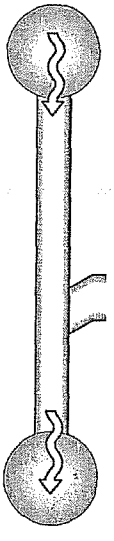
PIPE EYES

Defect Listing Plot Left

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-5_SGS-6	Hillview	Shelby Ct	PolyVinyl Chloride		Sidewalk	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-5			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-6	133.7		8	8		

SPR	N/A	MPR	N/A	PO Number	Customer: Camben Environmental
SPRI	N/A	MPRI	N/A	Work Order	Purpose: Maintenance Related
QSR	N/A	QMR	N/A		

OPR	Surveyed By	Direction	Date	Media label	
N/A	Jason_Crites	Downstream	20130807	1	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	Situation
N/A	U-907-5639	No Pre-Cleaning	09:19	Dry	
Result	Present	Date Cleaned	End Time	Additional Info	
			09:36		



SGS-5

	Code:	Continuous:	Pos:	Val 1 / 2 :	% :	Gallons:
0.0 ft.	Access Point Manhole SGS-5					
0.0 ft.	Water Mark				5	
126.7 ft.	Tap Factory Made Active		9	4		
133.7 ft.	Access Point Manhole SGS-6					

SGS-6

Pipe Eyes
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PIPE EYES

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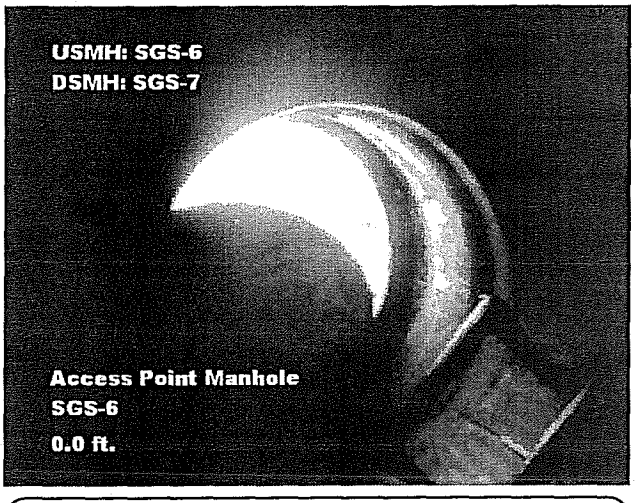
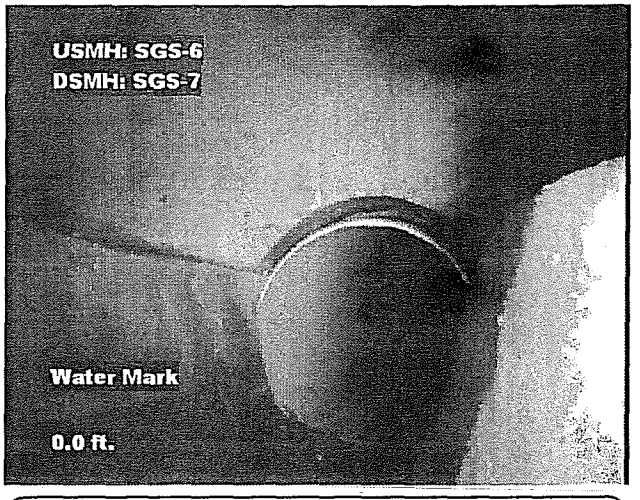
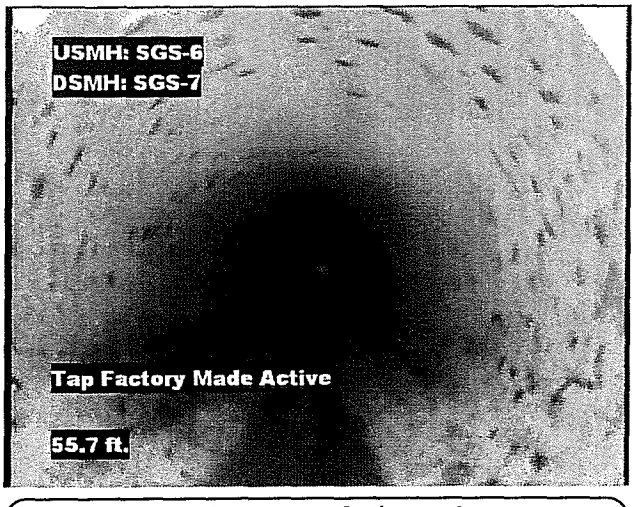
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-6_SGS-7	Hillview	Shelby Ct	PolyVinyl Chloride		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-6			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-7	123.7		8	8		



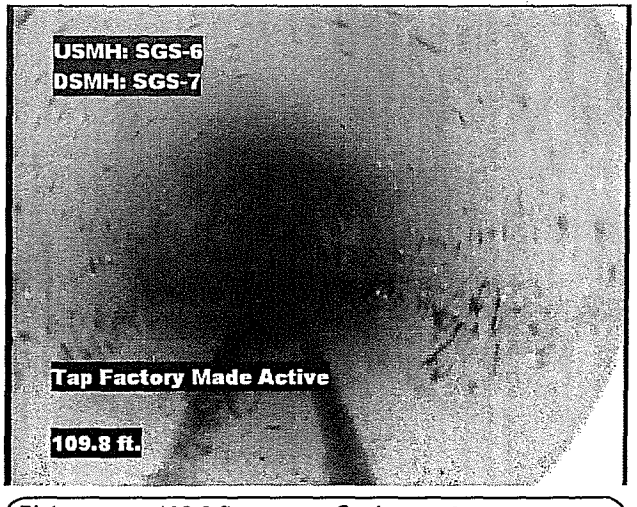
Distance: 0.0 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: SGS-6



Distance: 0.0 ft. **Grade:** 0
Condition: Water Mark
Remarks: N/A



Distance: 55.7 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 109.8 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A

Pipe Eyes
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Louisville KY 40229 Kentucky 40229
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PIPE EYES

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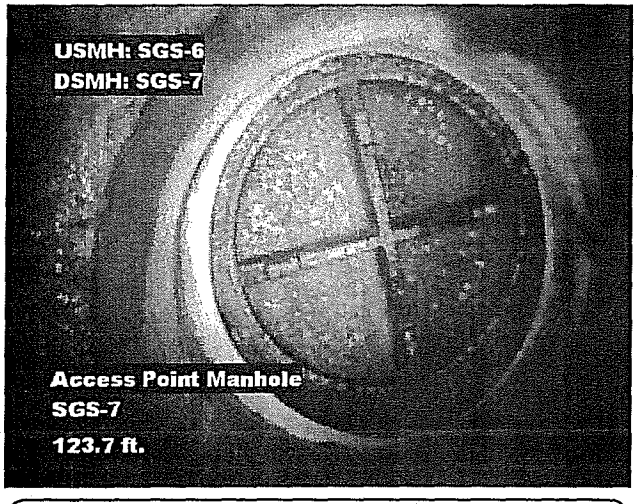
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-6_SGS-7	Hillview	Shelby Ct	PolyVinyl Chloride		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-6			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-7	123.7		8	8		



Distance: 123.7 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: SGS-7

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
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Defect Listing Plot Left

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
SGS-6_SGS-7	Hillview	Shelby Ct	PolyVinyl Chloride	Easement/R...	Sanitary

Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-6			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-7	123.7		8	8		

SPR	N/A	MPR	N/A	PO Number	Customer
SPRI	N/A	MPRI	N/A		Camben Evironmental
QSR	N/A	QMR	N/A	Work Order	Purpose: Maintenance Related

OPR	Surveyed By	Direction	Date	Media label
N/A	Jason_Crites	Downstream	20130807	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather	Situation
N/A	U-907-5639	Jetting	10:09	Dry	

Result	Present	Date Cleaned	End Time	Additional Info
		20130807	10:16	

SGS-6

	Code:	Continuous:	Pos:	Val 1 / 2 :	% :	Gallons:
0.0 ft.	Access Point Manhole SGS-6					
0.0 ft.	Water Mark				5	
55.7 ft.	Tap Factory Made Active		9	4		
109.8 ft.	Tap Factory Made Active		9	4		
123.7 ft.	Access Point Manhole SGS-7					

SGS-7

Pipe Eyes
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PIPE EYES

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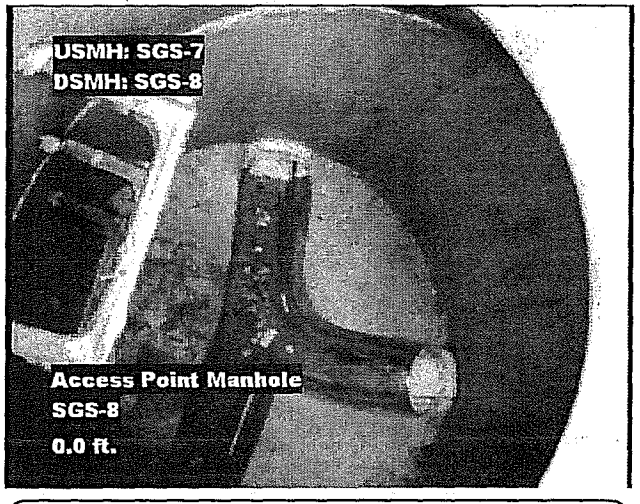
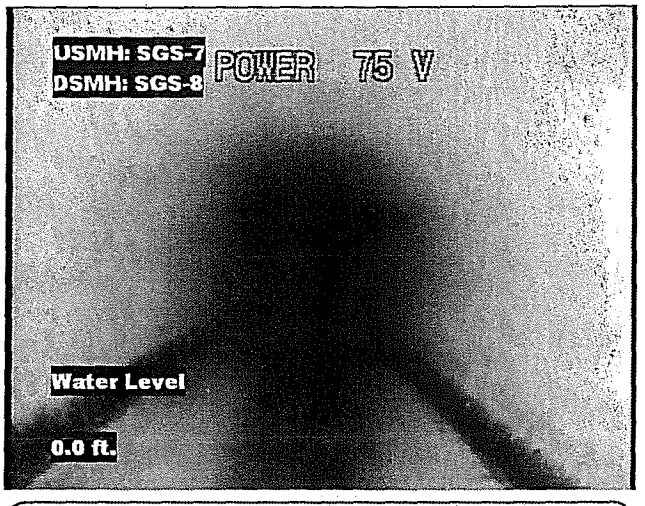
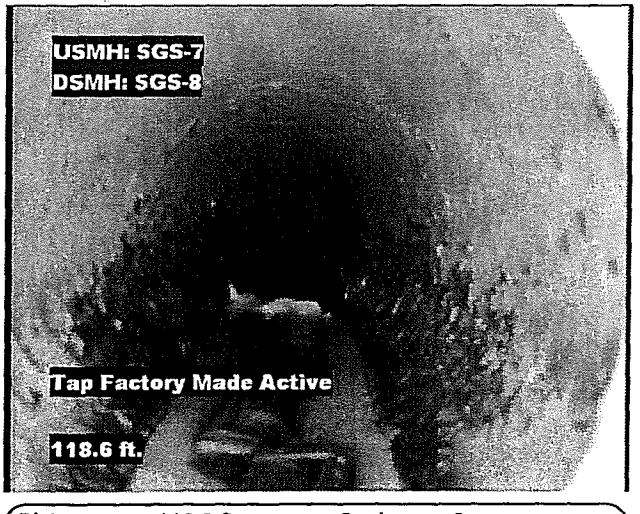
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGSS-8_SGS-7	Hillview	Shelby Ct	PolyVinyl Chloride		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-7			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-8	272.8		8	8		



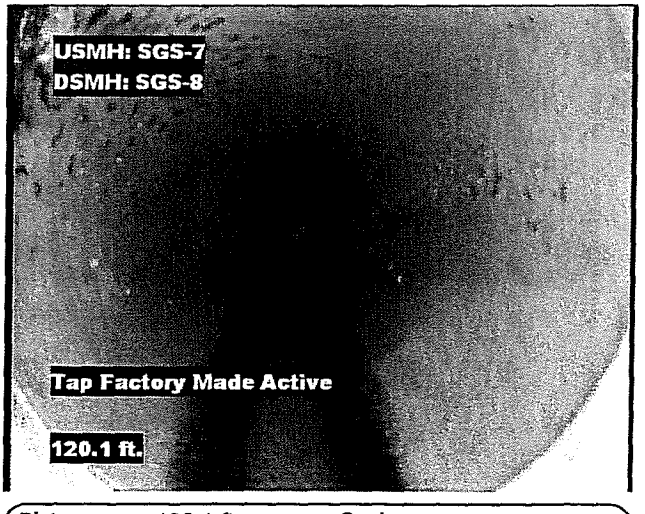
Distance: 0.0 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: SGS-8



Distance: 0.0 ft. **Grade:** 2
Condition: Water Level
Remarks: N/A



Distance: 118.6 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 120.1 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A

Pipe Eyes
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PIPE EYES

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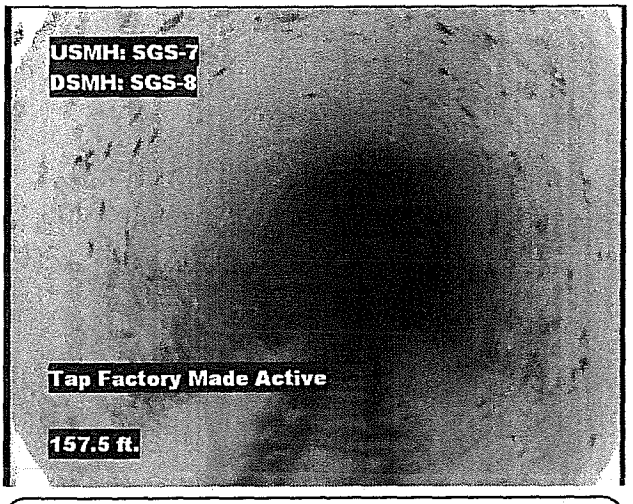
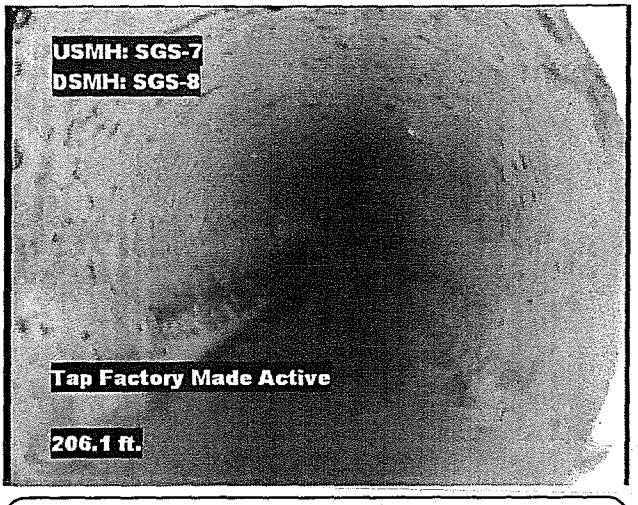
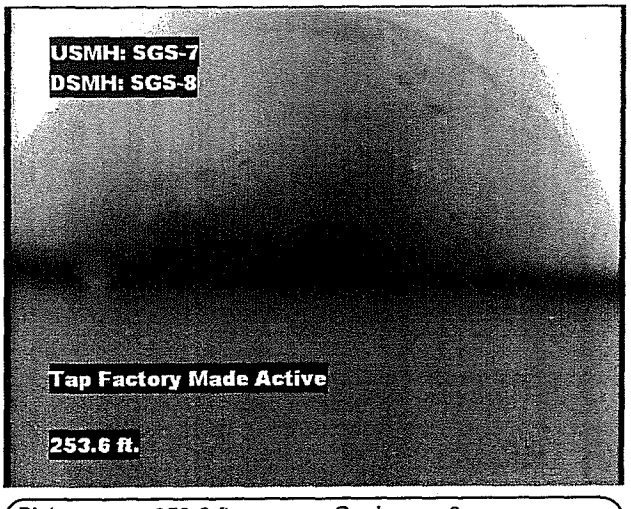
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGSS-8_SGS-7	Hillview	Shelby Ct	PolyVinyl Chloride		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-7			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-8	272.8		8	8		



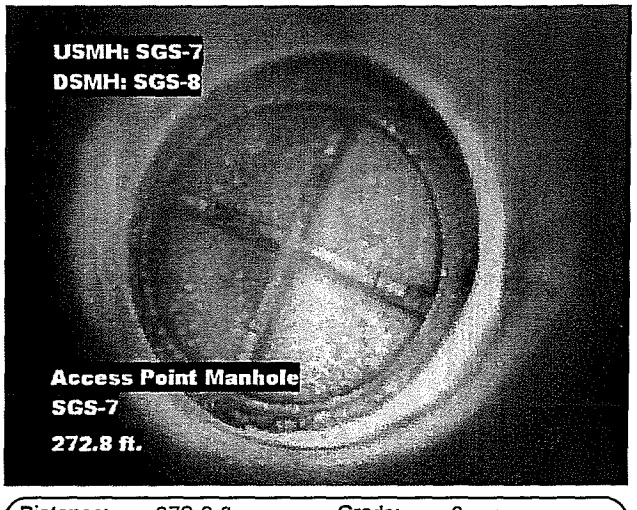
Distance: 157.5 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 206.1 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 253.6 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 272.8 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: SGS-7

Pipe Eyes
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PIPE EYES

Defect Listing Plot Left

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
SGSS-8_SGS-7	Hillview	Shelby Ct	PolyVinyl Chloride	Easement/R...	Sanitary

Upstream MH	Total Length	Year Laid	Shape	Location Details
SGS-7			Circular	

DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-8	272.8		8	8		

SPR	N/A	MPR	2	PO Number	Customer: Camben Environmental
SPRI	N/A	MPRI	2	Work Order	Purpose: Maintenance Related
QSR	N/A	QMR	2100		

OPR	Surveyed By	Direction	Date	Media label
2	Jason_Crites	Upstream	20130807	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather	Situation
2	U-907-5639	Jetting	10:47	Dry	

Result	Present	Date Cleaned	End Time	Additional Info
		20130807	11:02	

SGS-8

	Code:	Continuous:	Pos:	Val 1 / 2 :	% :	Gallons:
0.0 ft.	Access Point Manhole SGS-8					
0.0 ft.	Water Level				5	
118.6 ft.	Tap Factory Made Active		9	4		
120.1 ft.	Tap Factory Made Active		3	4		
157.5 ft.	Tap Factory Made Active		3	4		
206.1 ft.	Tap Factory Made Active		3	4		
253.6 ft.	Tap Factory Made Active		3	4		
272.8 ft.	Access Point Manhole SGS-7					

SGS-7

Pipe Eyes
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PIPE EYES

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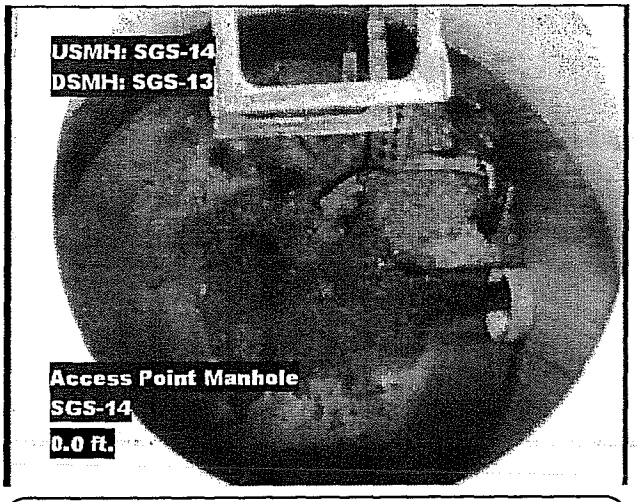
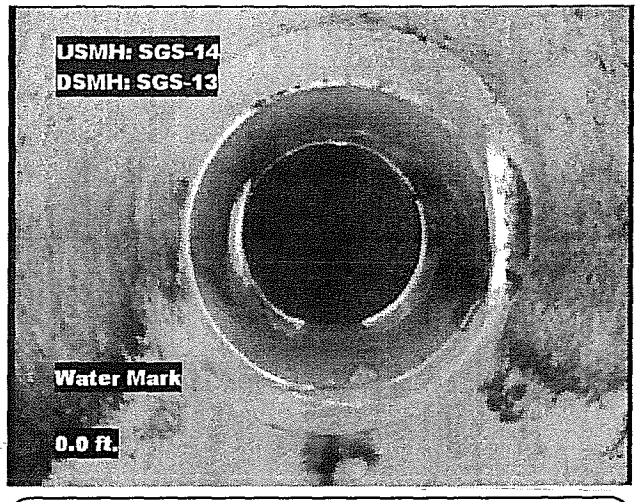
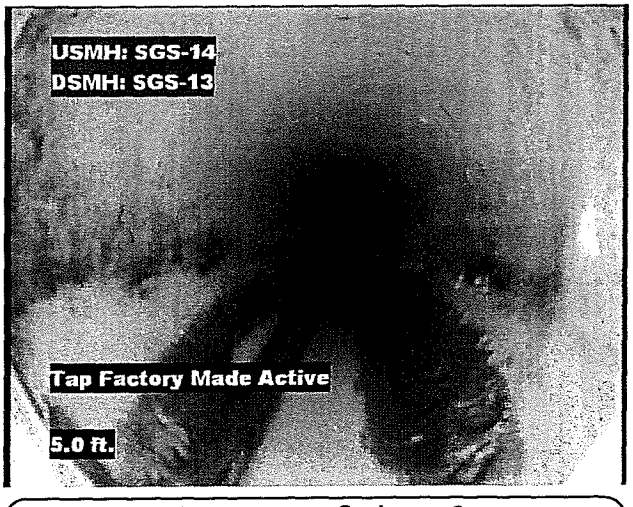
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-14_SGS-13	Hillview	Shelby Cir	PolyVinyl Chloride		Sidewalk	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-14			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-13	254.2		8	8		



Distance: 0.0 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: SGS-14



Distance: 0.0 ft. **Grade:** 0
Condition: Water Mark
Remarks: N/A



Distance: 5.0 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A

Distance: 6.0 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A

Pipe Eyes
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PIPE EYES

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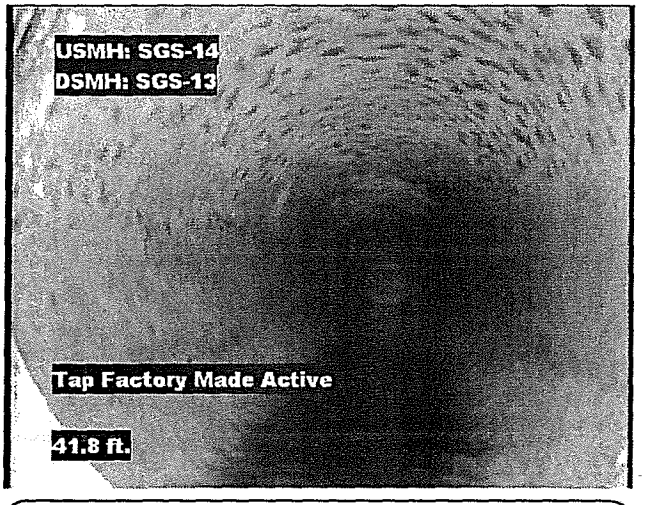
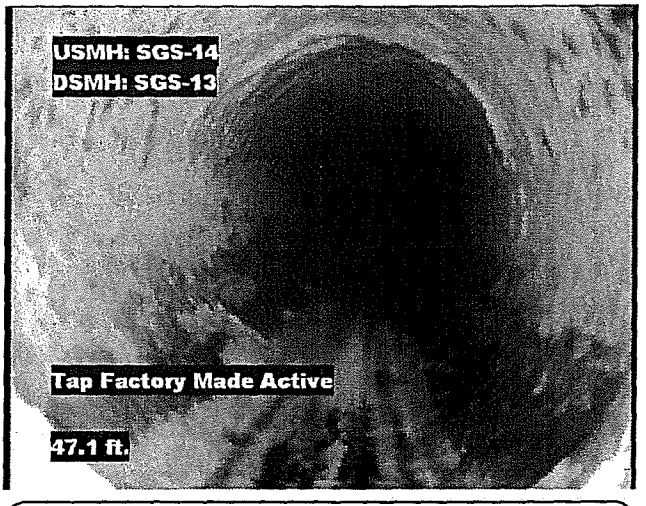
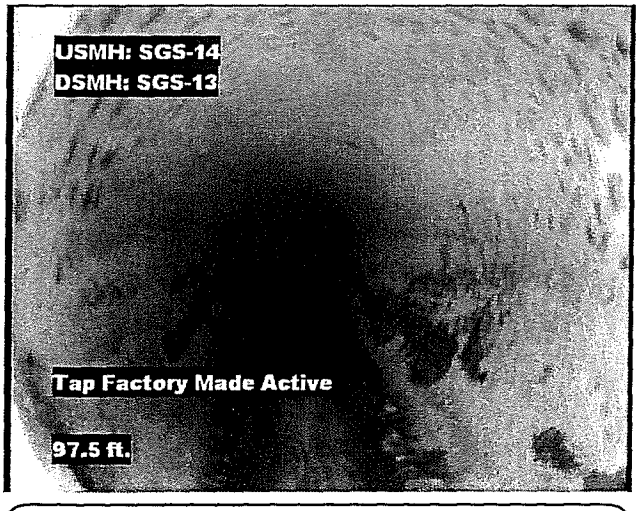
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-14_SGS-13	Hillview	Shelby Cir	PolyVinyl Chloride		Sidewalk	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-14			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-13	254.2		8	8		



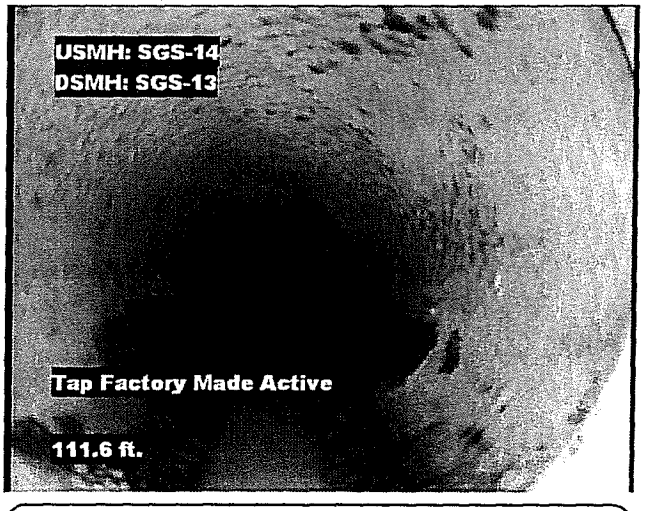
Distance: 41.8 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 47.1 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 97.5 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 111.6 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A

Pipe Eyes
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PIPE EYES

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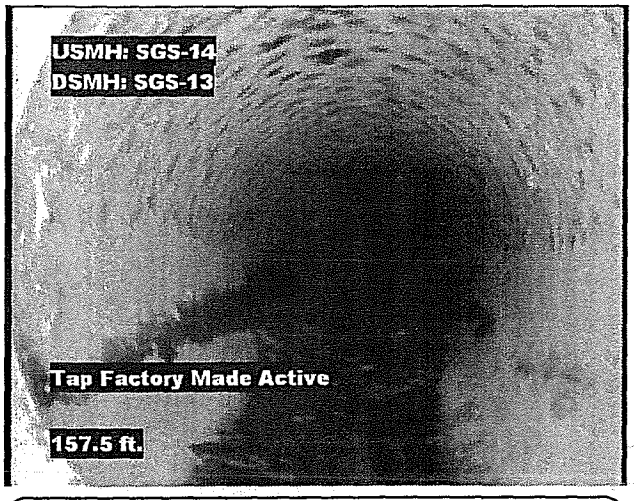
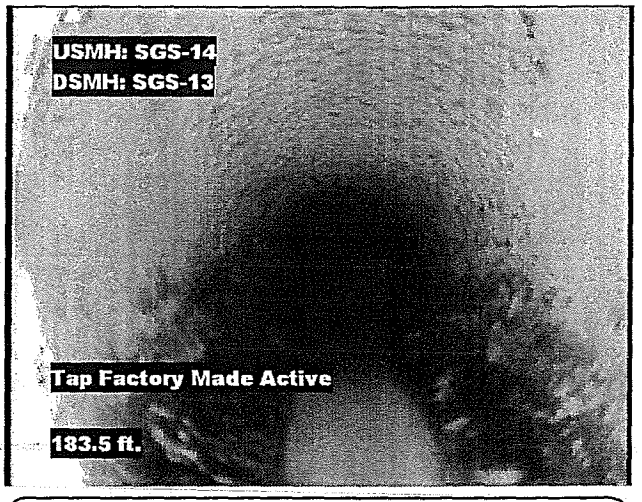
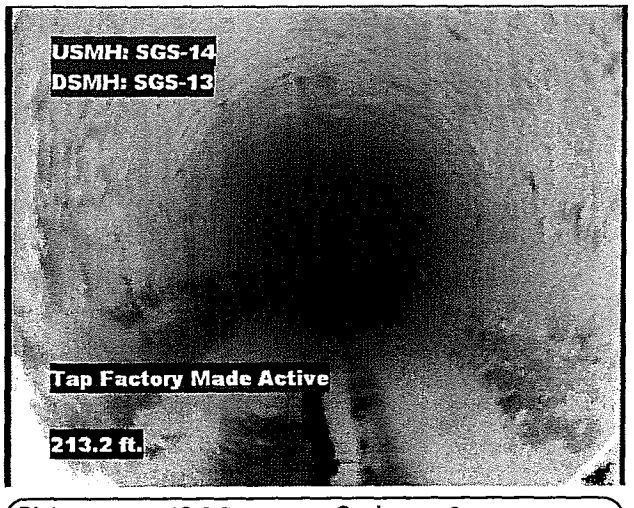
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-14_SGS-13	Hillview	Shelby Cir	PolyVinyl Chloride		Sidewalk	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-14			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-13	254.2		8	8		



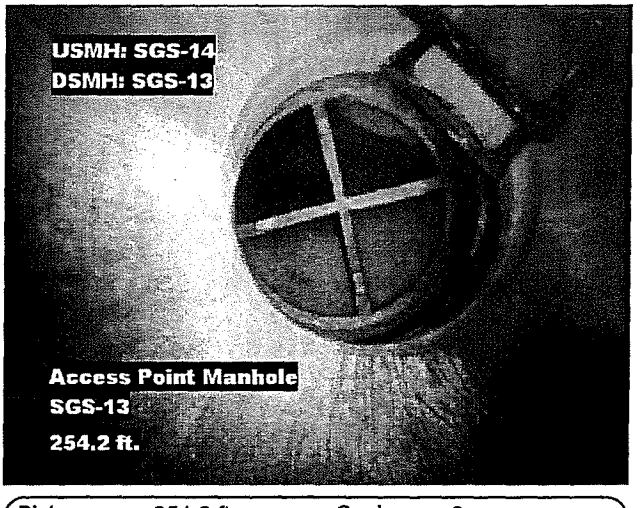
Distance: 157.5 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 183.5 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 213.2 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 254.2 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: SGS-13

Pipe Eyes
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Louisville KY 40229 Kentucky 40229
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PIPE EYES

Defect Listing Plot Left

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-14_SGS-13	Hillview	Shelby Cir	PolyVinyl Chloride		Sidewalk	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-14			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-13	254.2		8	8		

SPR	MPR	PO Number	Customer
			Hunter En vironmental
SPRI	MPRI	Work Order	Purpose
QSR	QMR		Maintenance Related

OPR	Surveyed By	Direction	Date	Media label
	Jason_Crites	Downstream	20130806	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather / Situation
	U-907-5639	Jetting	11:19	Dry
Result	Present	Date Cleaned	End Time	Additional Info
		20130806	11:35	

SGS-14

	Code:	Continuous:	Pos:	Val 1 / 2 :	% :	Gallons:
0.0 ft.	Access Point Manhole SGS-14					
0.0 ft.	Water Mark				5	
5.0 ft.	Tap Factory Made Active		3	6		
6.0 ft.	Tap Factory Made Active		9	6		
41.8 ft.	Tap Factory Made Active		9	4		
47.1 ft.	Tap Factory Made Active		3	4		
97.5 ft.	Tap Factory Made Active		3	4		
111.6 ft.	Tap Factory Made Active		9	4		
157.5 ft.	Tap Factory Made Active		3	4		
183.5 ft.	Tap Factory Made Active		9	4		
213.2 ft.	Tap Factory Made Active		3	4		
254.2 ft.	Access Point Manhole SGS-13					

SGS-13

Pipe Eyes
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PIPE EYES

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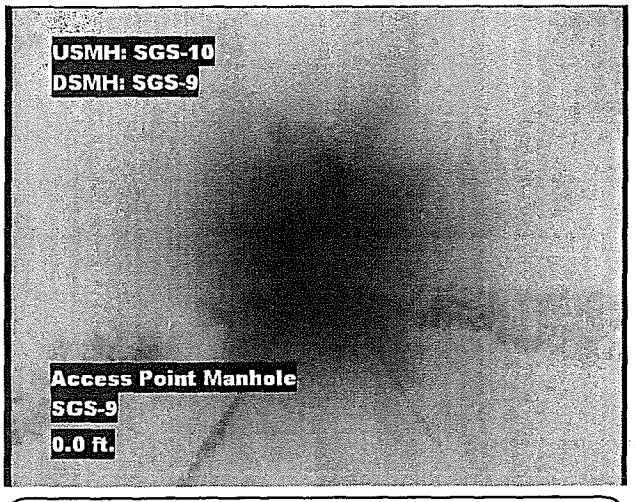
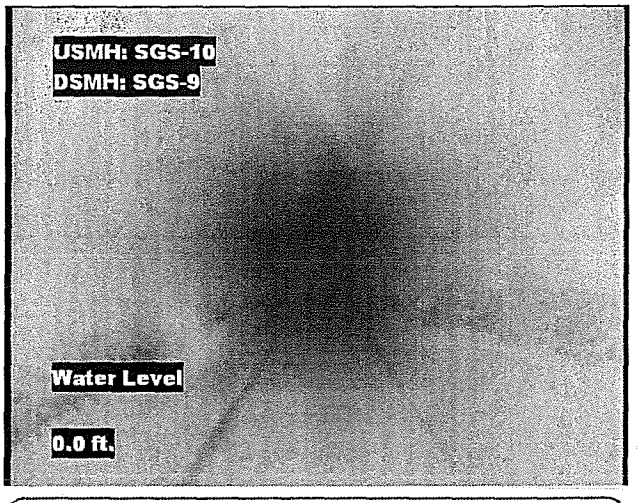
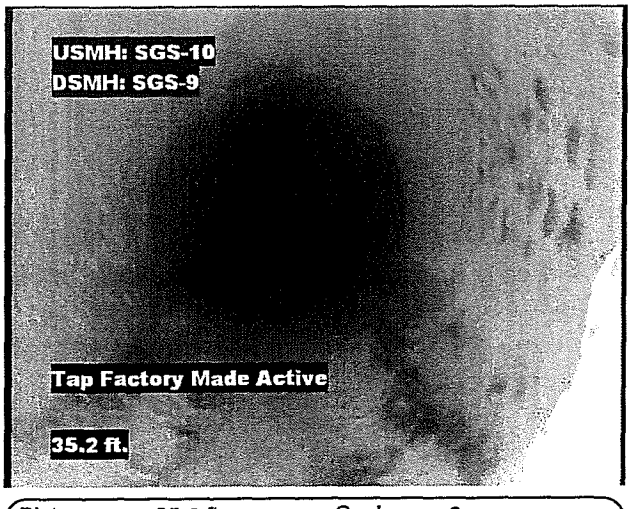
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-8_SGS-10	Hillview	Shelby Ct	PolyVinyl Chloride		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-10			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-9	159.9		8	8		



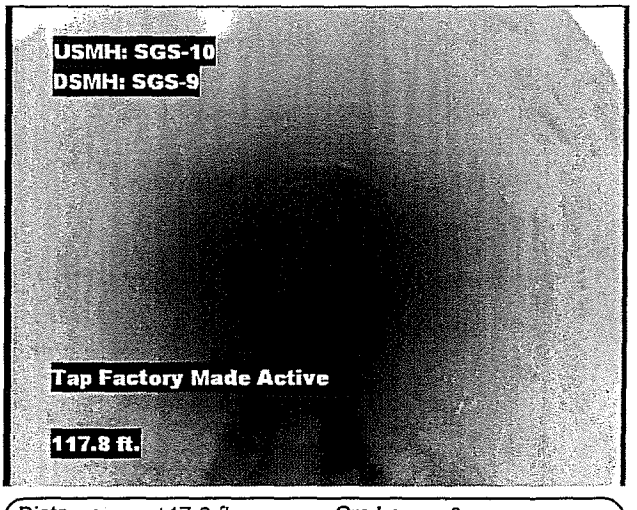
Distance: 0.0 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: SGS-9



Distance: 0.0 ft. **Grade:** 2
Condition: Water Level
Remarks: N/A



Distance: 35.2 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 117.8 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A

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PIPE EYES

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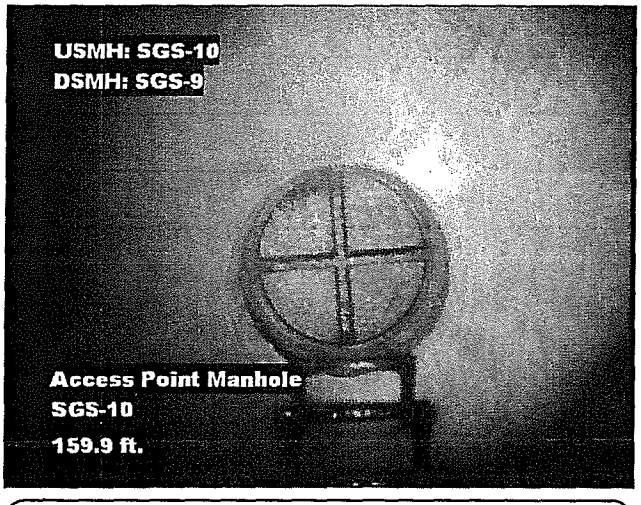
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-8_SGS-10	Hillview	Shelby Ct	PolyVinyl Chloride		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-10			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-9	159.9		8	8		



Distance: 159.9 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: SGS-10

Pipe Eyes
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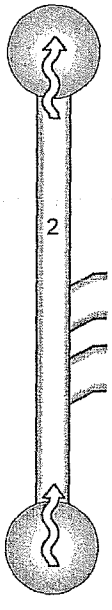
Defect Listing Plot Left

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-8_SGS-10	Hillview	Shelby Ct	PolyVinyl Chloride		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-10			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-9	159.9		8	8		

SPR	N/A	MPR	2	PO Number	Customer: Cameb Enviornmental
SPRI	N/A	MPRI	2	Work Order	
QSR	N/A	QMR	2100		Purpose: Maintenance Related

OPR	Surveyed By	Direction	Date	Media label	
2	Jason_Crites	Upstream	20130807	1	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	Situation
2	U-907-5639	Jetting	11:07	Dry	
Result	Present	Date Cleaned	End Time	Additional Info	
		20130807	11:13		



	Code:	Continuous:	Pos:	Val 1 / 2 :	% :	Gallons:
0.0 ft.	Access Point Manhole SGS-9					
0.0 ft.	Water Level				5	
35.2 ft.	Tap Factory Made Active		9	4		
117.8 ft.	Tap Factory Made Active		9	4		
159.9 ft.	Access Point Manhole SGS-10					

PIPE EYES

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
(502)955-5288

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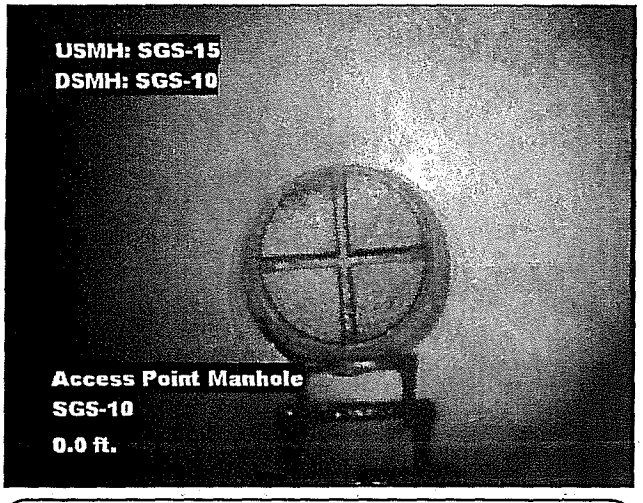
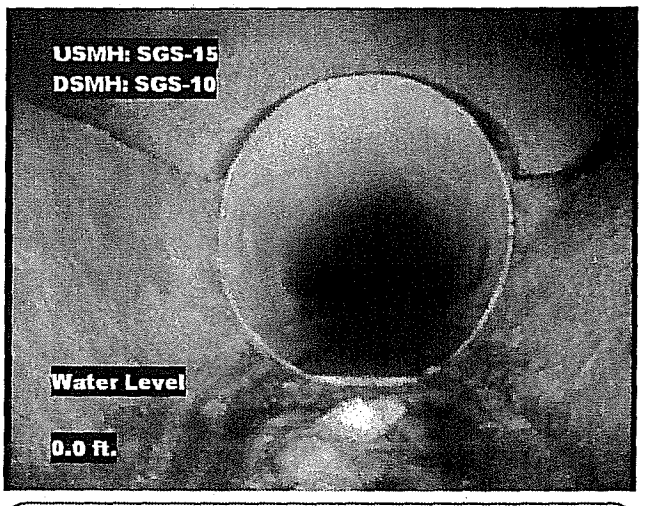
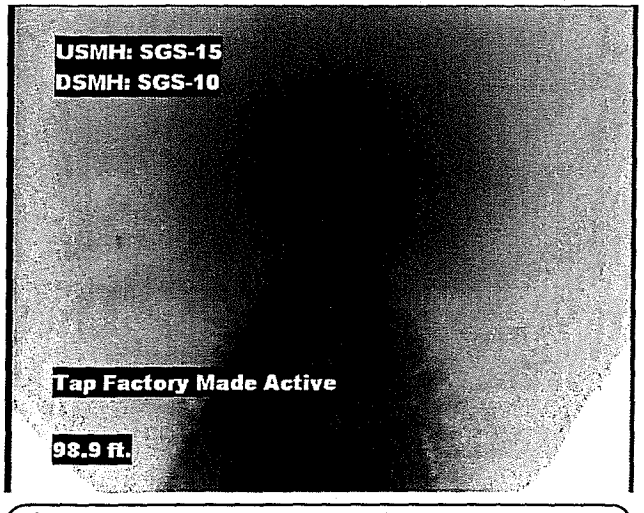
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-10_SGS-15	Hillview	Shelby Ct	PolyVinyl Chloride		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-15			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-10	386.1		8	8		



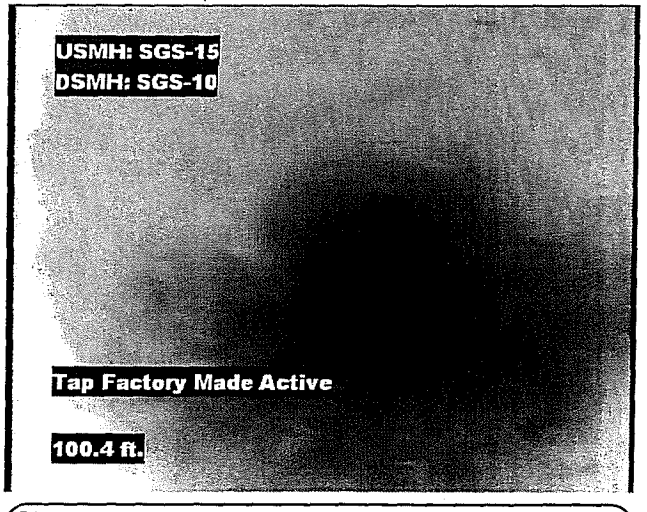
Distance: 0.0 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: SGS-10



Distance: 0.0 ft. **Grade:** 2
Condition: Water Level
Remarks: N/A



Distance: 98.9 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 100.4 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A

Pipe Eyes
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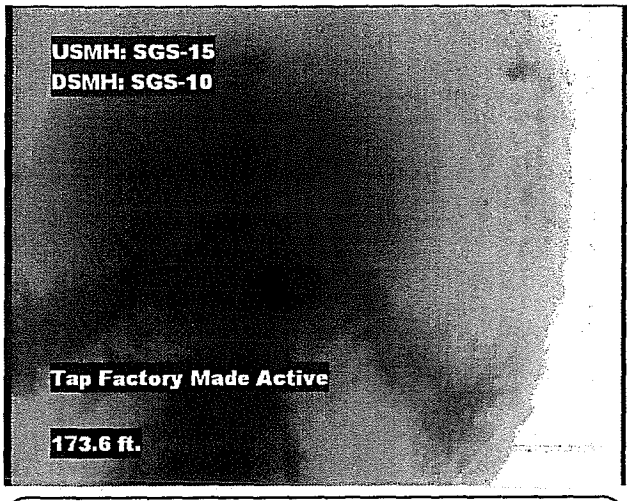
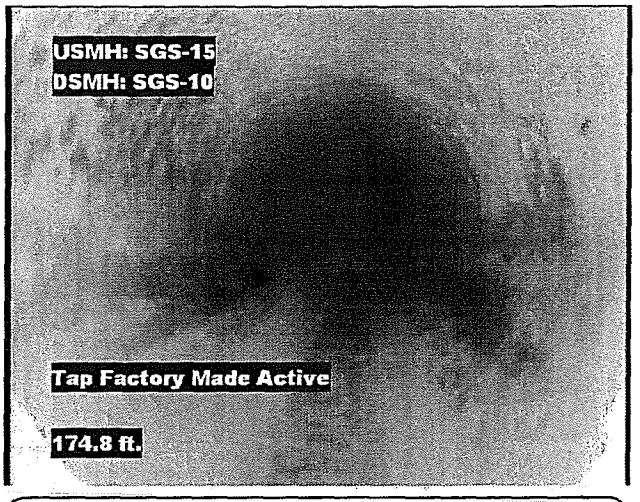
PIPE EYES

Image Report 4/Page

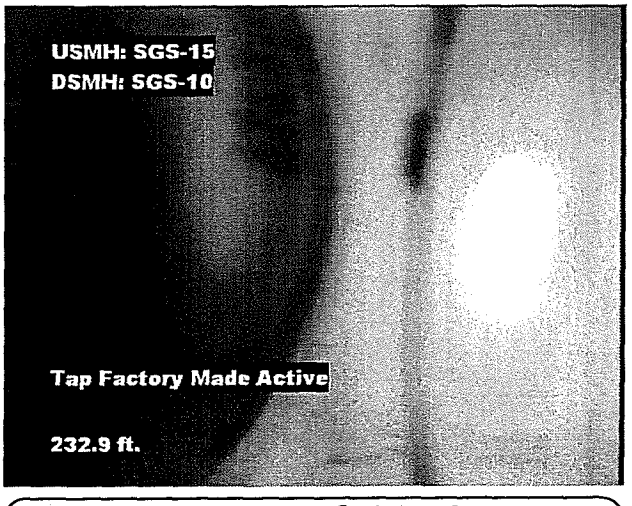
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-10_SGS-15	Hillview	Shelby Ct	PolyVinyl Chloride		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-15			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-10	386.1		8	8		



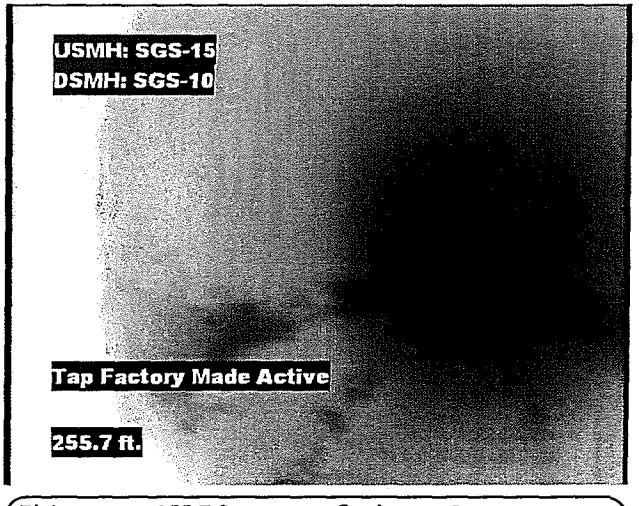
Distance: 173.6 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 174.8 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 232.9 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 255.7 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A

PIPE EYES

Pipe Eyes
145 Smith Lane
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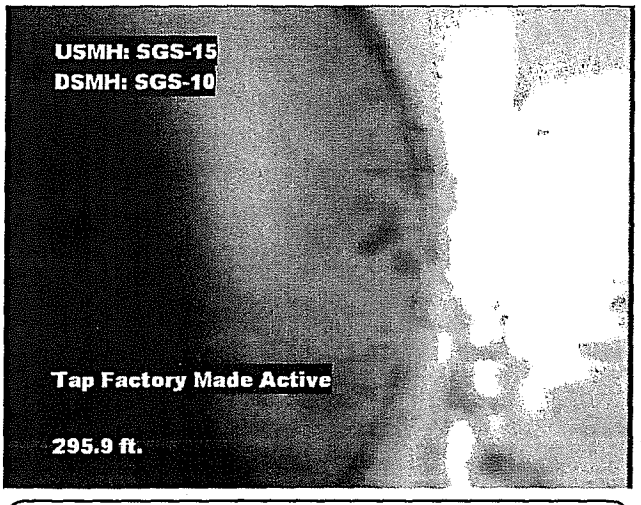
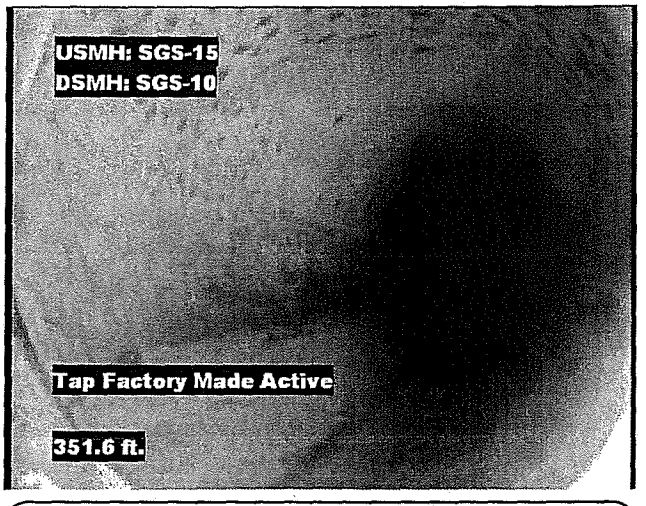
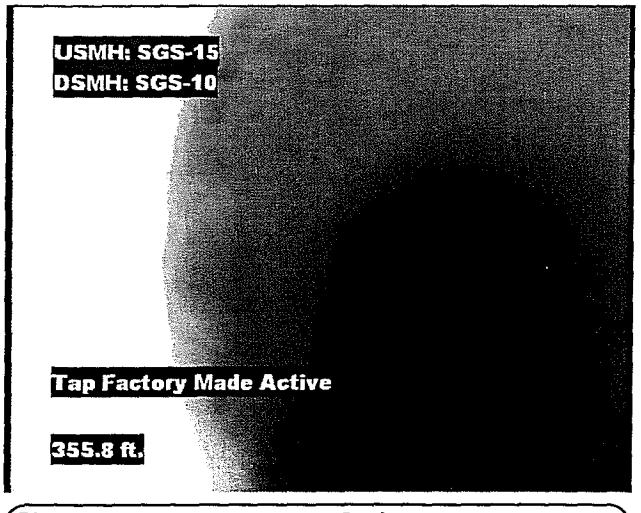
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-10_SGS-15	Hillview	Shelby Ct	PolyVinyl Chloride		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-15			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-10	386.1		8	8		



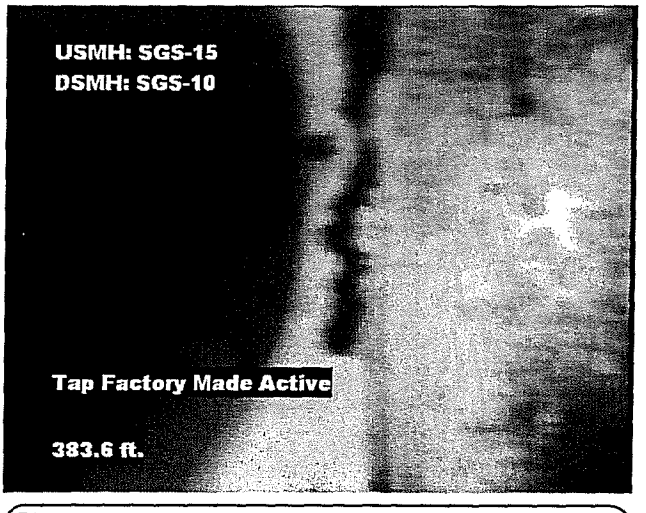
Distance: 295.9 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 351.6 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 355.8 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 383.6 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A

Pipe Eyes
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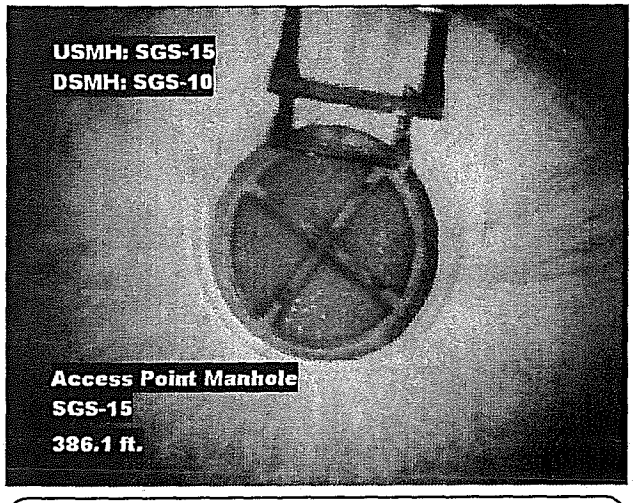
PIPE EYES

Image Report 4/Page

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-10_SGS-15	Hillview	Sheiby Ct	PolyVinyl Chloride		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-15			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-10	386.1		8	8		



Distance: 386.1 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: SGS-15

Pipe Eyes
145 Smith Lane
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PIPE EYES

Defect Listing Plot Left

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-10_SGS-15	Hillview	Shelby Ct	PolyVinyl Chloride		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-15			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-10	386.1		8	8		

SPR	N/A	MPR	2	PO Number	Customer: Camben Environmental
SPRI	N/A	MPRI	2	Work Order	Purpose: Maintenance Related
QSR	N/A	QMR	2100		

OPR	Surveyed By	Direction	Date	Media label	
2	Jason_Crites	Upstream	20130807	1	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	Situation
2	U-907-5639	Jetting	11:15	Dry	
Result	Present	Date Cleaned	End Time	Additional Info	
		20130807	11:30		

	Code:	Continuous:	Pos:	Val 1 / 2 :	% :	Gallons:
0.0 ft.	Access Point Manhole SGS-10					
0.0 ft.	Water Level				5	
98.9 ft.	Tap Factory Made Active		9	4		
100.4 ft.	Tap Factory Made Active		3	4		
173.6 ft.	Tap Factory Made Active		9	4		
174.8 ft.	Tap Factory Made Active		3	4		
232.9 ft.	Tap Factory Made Active		9	4		
255.7 ft.	Tap Factory Made Active		3	4		
295.9 ft.	Tap Factory Made Active		9	4		
351.6 ft.	Tap Factory Made Active		9	4		
355.8 ft.	Tap Factory Made Active		3	4		
383.6 ft.	Tap Factory Made Active		9	4		
386.1 ft.	Access Point Manhole SGS-15					

Pipe Eyes
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PIPE EYES

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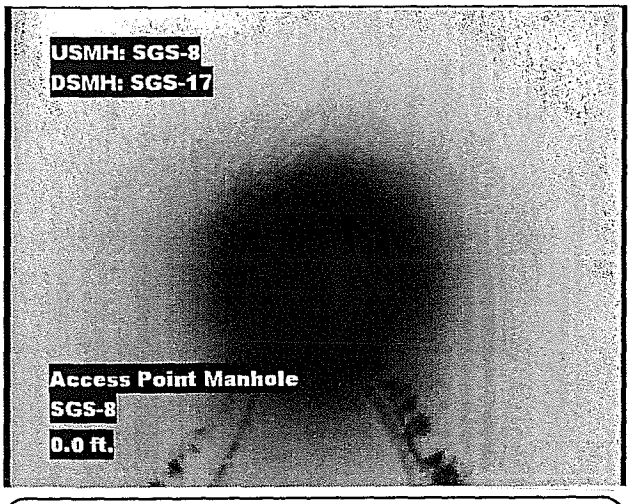
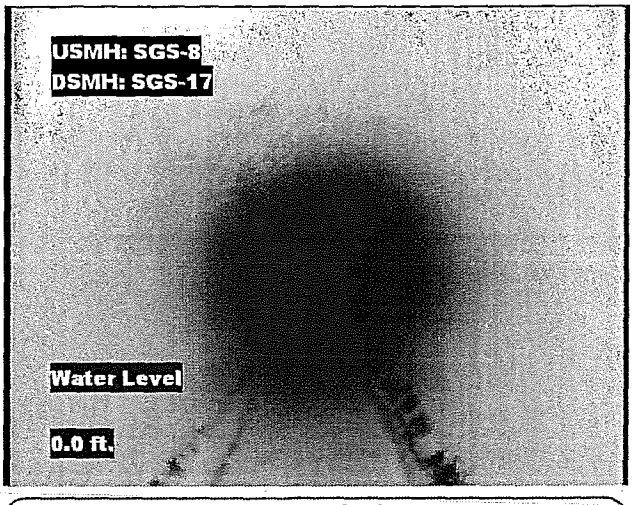
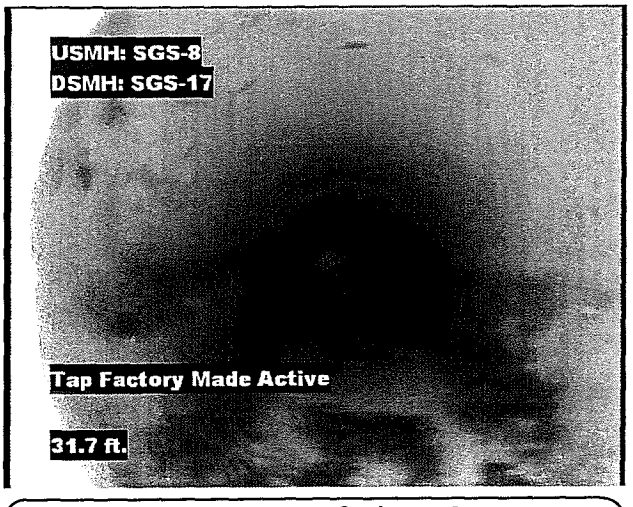
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-8_SGS-17	Hillview	Shelby Ct	PolyVinyl Chioride		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-8			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-17	148.6		8	8		



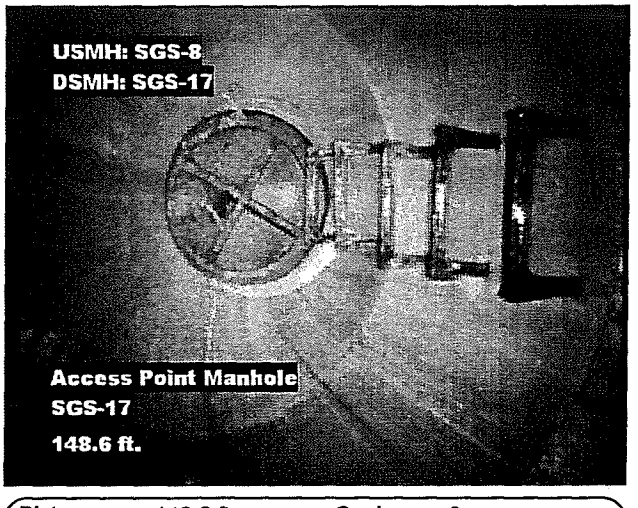
Distance: 0.0 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: SGS-8



Distance: 0.0 ft. **Grade:** 2
Condition: Water Level
Remarks: N/A



Distance: 31.7 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 148.6 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: SGS-17

Pipe Eyes
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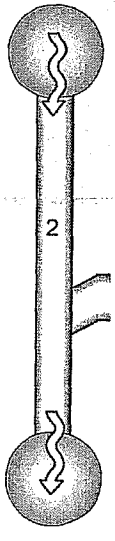
PIPE EYES

Defect Listing Plot Left

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-8_SGS-17	Hillview	Shelby Ct	PolyVinyl Chloride		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-8			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-17	148.6		8	8		

SPR	N/A	MPR	2	PO Number	Customer: Camben Environmental
SPRI	N/A	MPRI	2		
QSR	N/A	QMR	2100	Work Order	Purpose: Maintenance Related

OPR	Surveyed By	Direction	Date	Media label
2	Jason_Crites	Downstream	20130807	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather / Situation
2	U-907-5639	Jetting	11:46	Dry
Result	Present	Date Cleaned	End Time	Additional Info
		20130807	11:53	



SGS-8

	Code:	Continuous:	Pos:	Val 1 / 2 :	% :	Gallons:
0.0 ft.	Access Point Manhole SGS-8					
0.0 ft.	Water Level				5	
31.7 ft.	Tap Factory Made Active		9	6		
148.6 ft.	Access Point Manhole SGS-17					

SGS-17

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
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PIPE EYES

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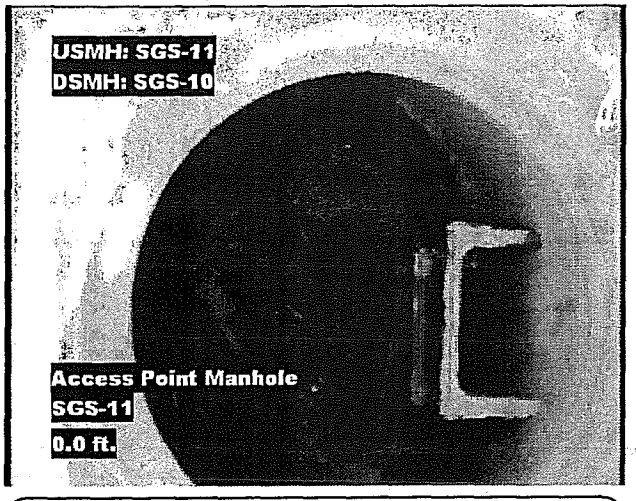
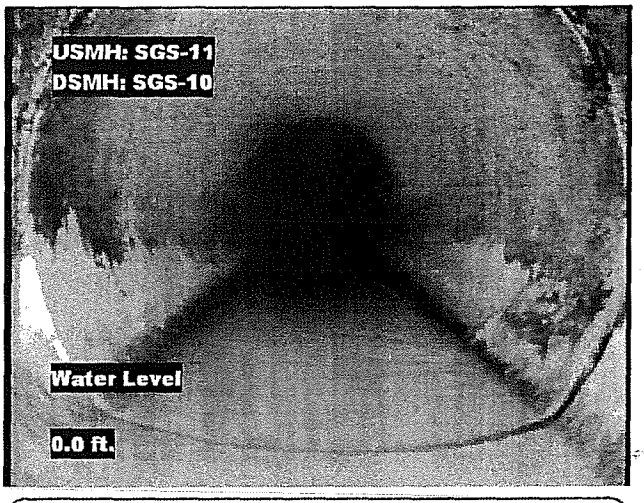
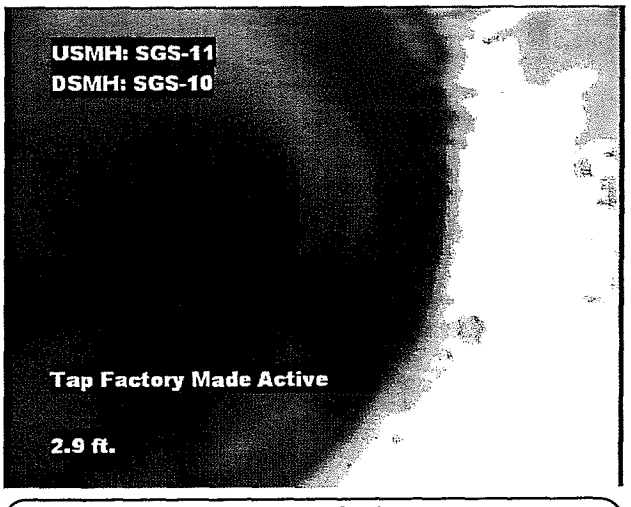
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-11_SGS-10	Hillview	Shelby Cir	PolyVinyl Chloride		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-11			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-10	173.7		8	8		



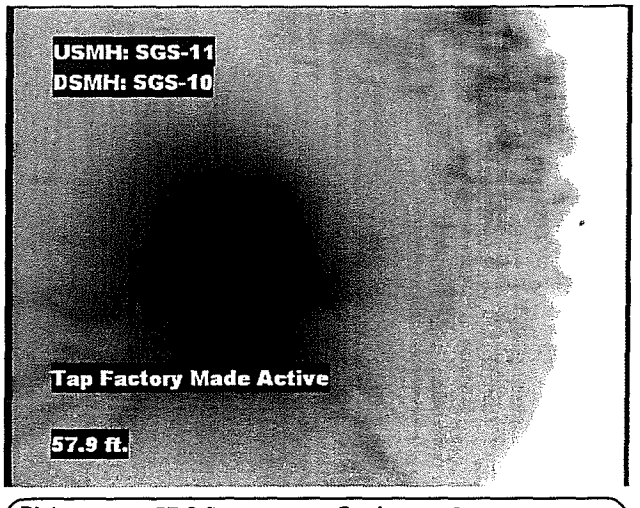
Distance: 0.0 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: SGS-11



Distance: 0.0 ft. **Grade:** 2
Condition: Water Level
Remarks: N/A



Distance: 2.9 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 57.9 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A

Pipe Eyes
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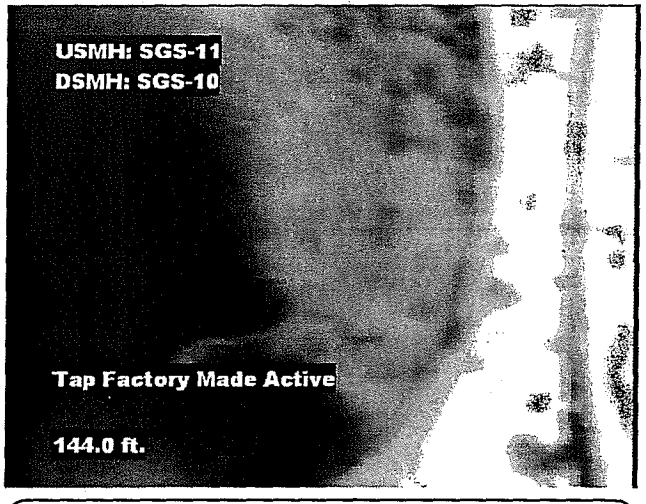
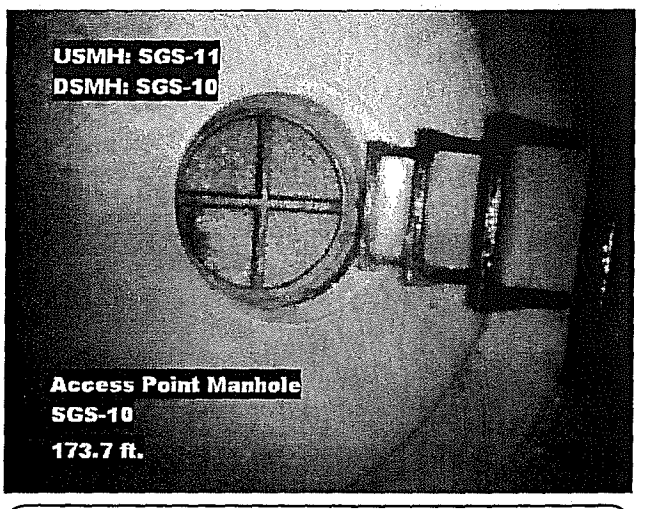
PIPE EYES

Image Report 4/Page

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-11_SGS-10	Hillview	Shelby Cir	PolyVinyl Chloride		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-11			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-10	173.7		8	8		



Distance: 144.0 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 173.7 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: SGS-10

Pipe Eyes
145 Smith Lane
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PIPE EYES

Defect Listing Plot Left

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-11_SGS-10	Hillview	Shelby Cir	PolyVinyl Chloride		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-11			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-10	173.7		8	8		

SPR	N/A	MPR	2	PO Number	Customer
SPRI	N/A	MPRI	2		Camben Environmental
QSR	N/A	QMR	2100	Work Order	Purpose
					Maintenance Related

OPR	Surveyed By	Direction	Date	Media label
2	Jason_Crites	Downstream	20130807	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather / Situation
2	U-907-5639	No Pre-Cleaning	12:06	Dry
Result	Present	Date Cleaned	End Time	Additional Info
			12:15	

SGS-11

	Code:	Continuous:	Pos:	Val 1 / 2 :	% :	Gallons:
0.0 ft.	Access Point Manhole SGS-11					
0.0 ft.	Water Level				5	
2.9 ft.	Tap Factory Made Active		9	4		
57.9 ft.	Tap Factory Made Active		9	4		
144.0 ft.	Tap Factory Made Active		9	4		
173.7 ft.	Access Point Manhole SGS-10					

SGS-10

PIPE EYES

Pipe Eyes
145 Smith Lane
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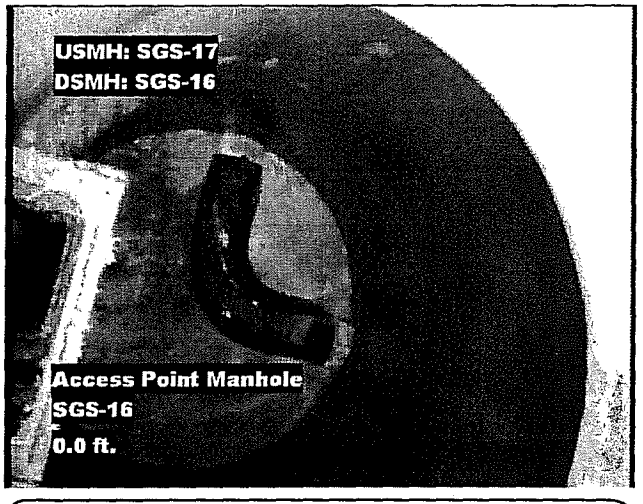
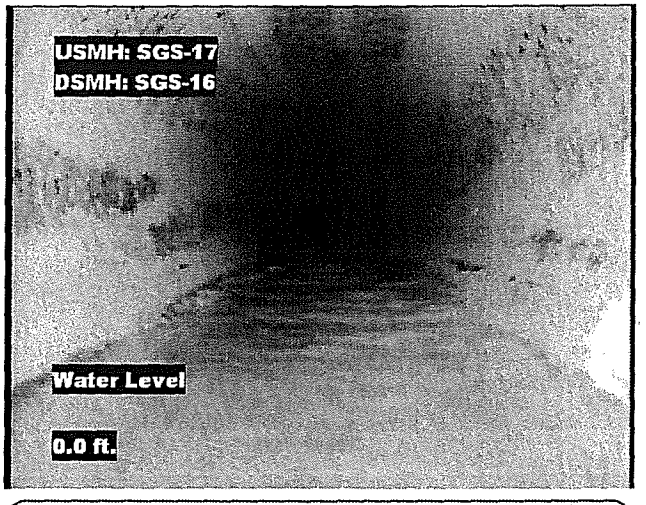
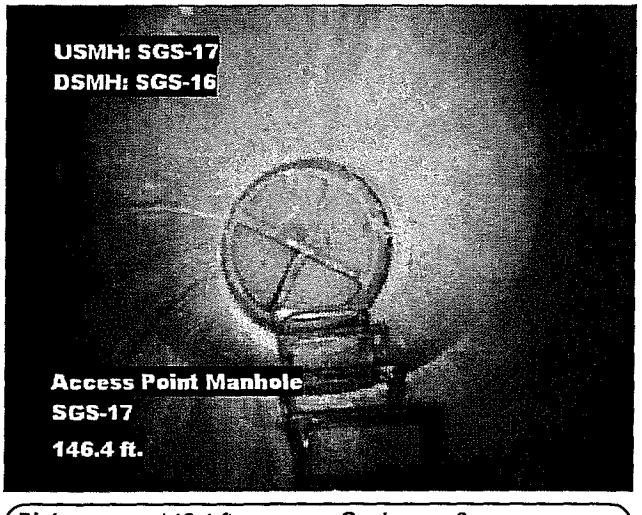
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-16_SGS-17	Hillview	Smith Ln	PolyVinyl Chloride		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-17			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-16	146.4		8	8		



Distance: 0.0 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: SGS-16



Distance: 0.0 ft. **Grade:** 2
Condition: Water Level
Remarks: N/A



Distance: 146.4 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: SGS-17

Pipe Eyes
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Louisville KY 40229 Kentucky 40229
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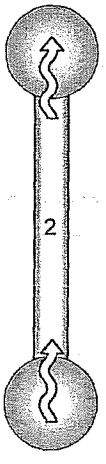
PIPE EYES

Defect Listing Plot Left

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-16_SGS-17	Hillview	Smith Ln	PolyVinyl Chloride		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-17			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
SGS-16	146.4		8	8		

SPR	N/A	MPR	2	PO Number	Customer: Camben Environmental
SPRI	N/A	MPRI	2	Work Order	Purpose: Maintenance Related
QSR	N/A	QMR	2100		

OPR	Surveyed By	Direction	Date	Media label
2	Jason_Crites	Upstream	20130807	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather / Situation
2	U-907-5639	Jetting	12:26	Dry
Result	Present	Date Cleaned	End Time	Additional Info
		20130807	12:32	



SGS-16

	Code:	Continuous:	Pos:	Val 1 / 2 :	% :	Gallons:
0.0 ft.	Access Point Manhole SGS-16					
0.0 ft.	Water Level				5	
146.4 ft.	Access Point Manhole SGS-17					

SGS-17

Pipe Eyes
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Louisville KY 40229 Kentucky 40229
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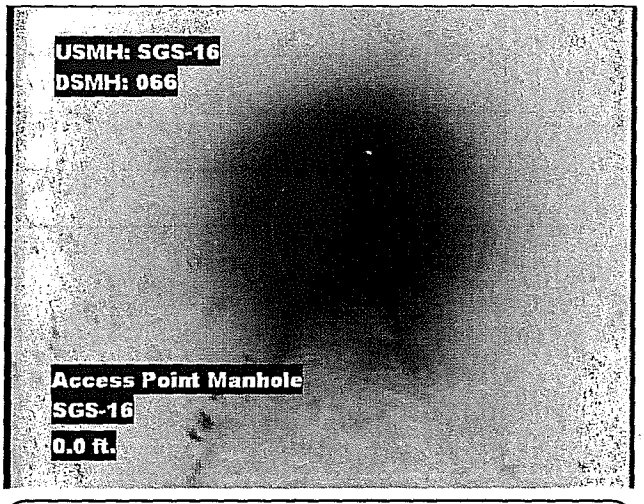
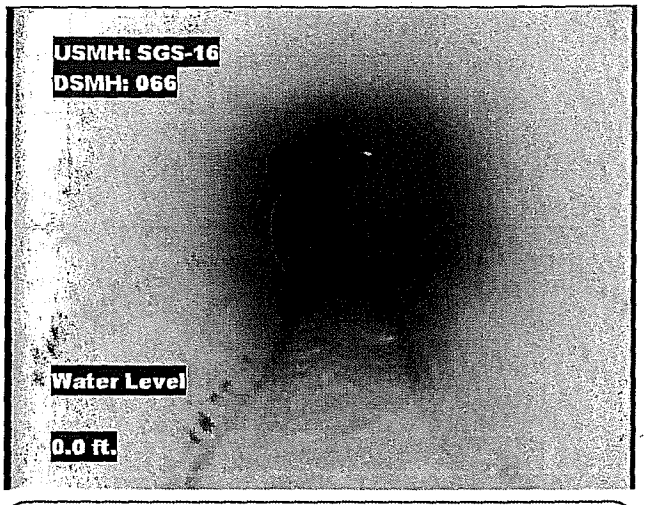
PIPE EYES

Image Report 4/Page

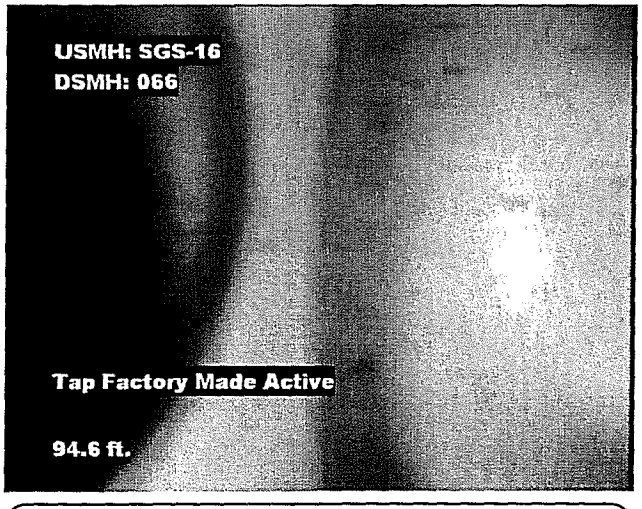
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-16_066	Hillview	Smith Ln	PolyVinyl Chloride		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-16			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
066	144.2		8	8		



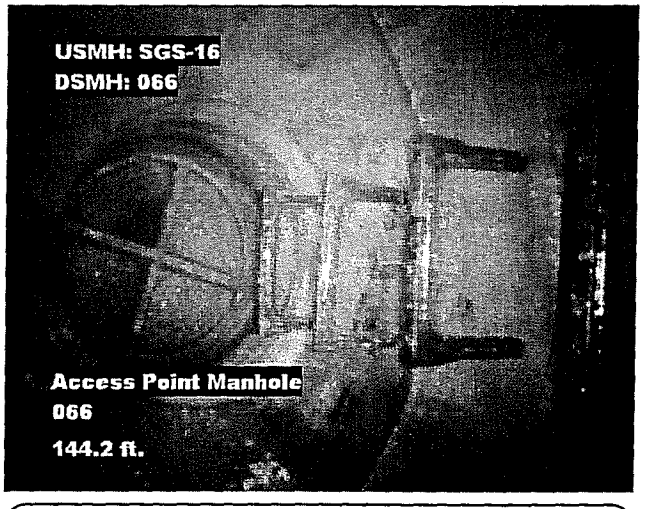
Distance: 0.0 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: SGS-16



Distance: 0.0 ft. **Grade:** 2
Condition: Water Level
Remarks: N/A



Distance: 94.6 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 144.2 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 066

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
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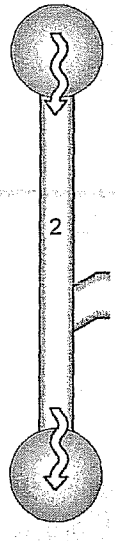
PIPE EYES

Defect Listing Plot Left

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
SGS-16_066	Hillview	Smith Ln	PolyVinyl Chloride		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
SGS-16			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
066	144.2		8	8		

SPR	N/A	MPR	2	PO Number	Customer: Canben Environmental
SPRI	N/A	MPRI	2	Work Order	Purpose: Maintenance Related
QSR	N/A	QMR	2100		

OPR	Surveyed By	Direction	Date	Media label	
2	Jason_Crites	Downstream	20130807	1	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	Situation
2	U-907-5639	Jetting	12:36	Dry	
Result	Present	Date Cleaned	End Time	Additional Info	
		20130807	12:41		



SGS-16

	Code:	Continuous:	Pos:	Val 1 / 2 :	% :	Gallons:
0.0 ft.	Access Point Manhole SGS-16					
0.0 ft.	Water Level				5	
94.6 ft.	Tap Factory Made Active		9	4		
144.2 ft.	Access Point Manhole 066					

066

PIPE EYES, LLC

PE-08122013-528-1

Blue Lick Road

Video Inspection of 8"-10" Sanitary Sewer

Prepared for

Bullitt Utilities INC.
Larry Smither
P.O. Box 91588
Louisville, KY. 40291

Pipe Eyes, LLC
2393 Alumni Drive, Suite 100
Lexington KY 40517
859.266.3200 Office 859.269.7200 Fax

1. Notification: Pipe Eyes LLC will submit a Video Inspection Report ("Report") to Customer, documenting its investigation. Submission of the Report will be the only responsibility of Pipe Eyes with regard to its investigation. Under no circumstances will Pipe Eyes have any duty to warn, notify or take any other actions whatsoever concerning any hazard or danger which may be discovered by Pipe Eyes or indicated by its Report, including but not limited to, notification concerning dangers which may be associated with gas lines penetrating sewer or storm sewer pipelines. Customer agrees that it has the sole duty to warn, notify or take remedial action concerning any hazards or dangers indicated or documented in the Report. Customer agrees that it will promptly take any and all actions necessary, reasonable or appropriate to make safe any hazardous or dangerous condition(s) indicated by its Report and will promptly notify and warn any persons or entities of any known dangers, which are necessary, reasonable or prudent.

2. Data: The Report generated and submitted to Customer by Pipe Eyes is uninterpreted data. Pipe Eyes takes no responsibility for analyzing or interpreting any of this data with respect to any potential danger, which may or may not be identifiable from its Report. The sole purpose of the Report is to provide raw data to Customer so that it may determine potential areas of blockage, leakage, seepage, and/or any hazards or dangers, so that the Customer may make its own determination as to the appropriate course of action to remedy such conditions.

3. Indemnification: Customer shall indemnify, defend and hold harmless Pipe Eyes LLC and its members, managers, officers, employees, agents and representatives from and against any claims, demands, liabilities, losses, damages, actions, causes of action, judgments, costs and expenses of any kind or character including, without limitation, reasonable attorneys' fees, for injuries or death to persons and/or damage to property arising out of, resulting from or in any way incident to any hazardous or dangerous condition existing in Customer's pipelines or identified or identifiable in its Report(s).

Project Information

Project Name:	Project Number:	Date:
Blue Lick		

Client	**Bullit Utilities INC**
Responsible:	**Larry Smither**
Department:	
Street:	**P.O Box 91588**
City:	**Louisville 40291**
Telephone:	**(502) 693-8634**
Fax:	
Mobile:	
EMail:	

PIPE EYES

Sewer Line Video Inspection, Maintenance & Cleaning

Contractor	**Pipe Eyes**
Responsible:	**Bobby Chesnut**
Department:	
Street:	**145 Smith Lane**
City:	**Louisville KY 40229**
Telephone:	**(502)955-5288**
Fax:	**(502)955-5413**
Mobile:	**(859)983-3873**
EMail:	**www.pipeeyesllc.com**

Notes:

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
(502)955-5288

PIPE EYES

Project Summary

Project Name:	Blue Lick							
US MH	DS MH	Pipe ID	Date	Street	Material	Size	Total	Insp
056	BL-1	056_BL-1	8/7/2013	Blue Lick	PolyVinyl Chloride	8	0	393.6
066	067	066_067	8/12/2013	Blue Lick	Vitrified Clay Pipe	8	0	36.3
BL-1	BL-2	BL-1_BL-2	8/7/2013	Blue Lick	PolyVinyl Chloride	8	0	396.2
BL-2	BL-3	BL-2_BL-3	8/7/2013	Blue Lick	PolyVinyl Chloride	8	0	395.1
BL-3	BL-4	BL-3_BL-4	8/9/2013	Blue Lick	Vitrified Clay Pipe	8	0	253.6
BL-5	BL-3	BL-3_BL-5	8/8/2013	Blue Lick	Vitrified Clay Pipe	8	0	33.8
BL-4	BL-6	BL-4_BL-6	8/9/2013	Blue Lick	Vitrified Clay Pipe	8	0	153.5
BL-5	BL-4	BL-5_BL-4	8/8/2013	Blue Lick	Vitrified Clay Pipe	8	0	538.6
Unknown	BL-5	BL-5_Unknown	8/8/2013	Blue Lick	Vitrified Clay Pipe	8	0	644.3
Unknown	BL-5	BL-5_Unknown	8/8/2013	Blue Lick	Vitrified Clay Pipe	8	0	208.3
Unknown	BL-5	BL-5_Unknown	8/8/2013	Blue Lick	Vitrified Clay Pipe	8	0	165.4

Pipe Size: 8 **Total Ln.:** 0 **Inspected Ln.:** 3218.7

US MH	DS MH	Pipe ID	Date	Street	Material	Size	Total	Insp
067	068	067_068	8/12/2013	Blue Lick	Vitrified Clay Pipe	10	0	174.6
068	Treatment Plant	Treatment Plant_068	8/12/2013	Blue Lick	Vitrified Clay Pipe	10	0	69.8
Treatment Plant	Pump ST	Treatment Plant_Pump ST	8/12/2013	Blue Lick	Vitrified Clay Pipe	10	0	0

Pipe Size: 10 **Total Ln.:** 0 **Inspected Ln.:** 244.4

Project Total Ln.: 0.0 **Project Inspected Ln.: 3463.1**

Pipe Eyes
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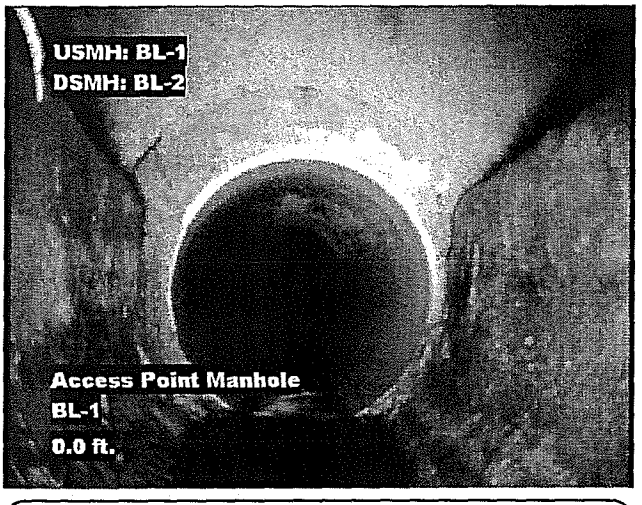
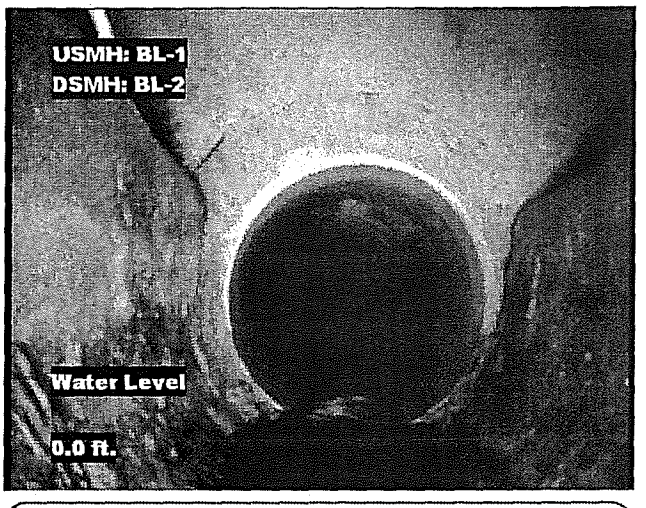
PIPE EYES

Image Report 4/Page

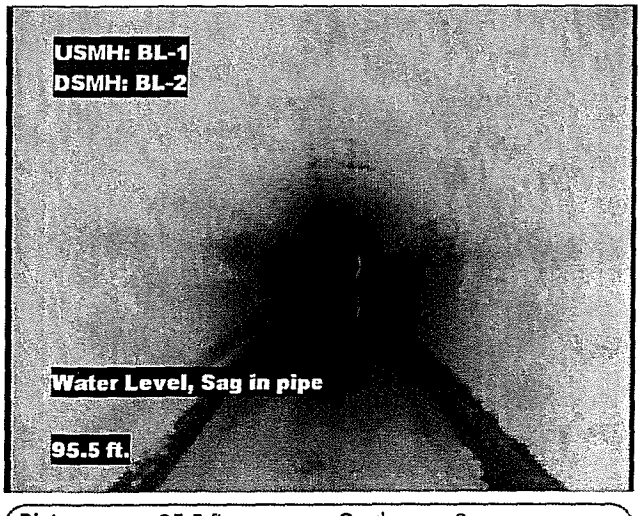
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-1_BL-2	Hillview	Blue Lick	PolyVinyl Chioride		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
BL-1			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-2	396.2		8	8		



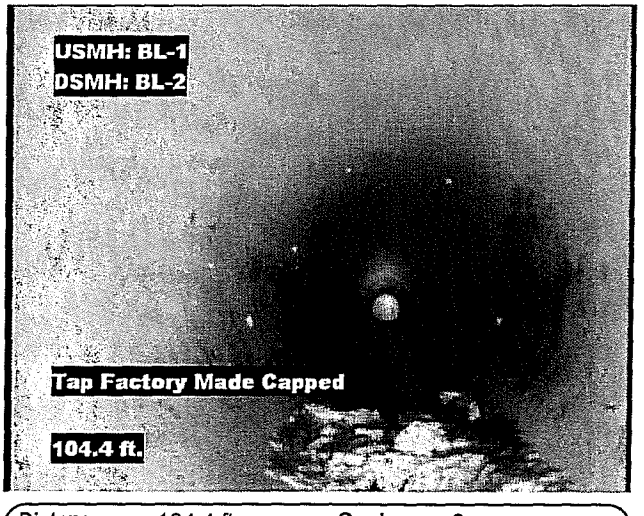
Distance: 0.0 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: BL-1



Distance: 0.0 ft. **Grade:** 2
Condition: Water Level
Remarks: N/A



Distance: 95.5 ft. **Grade:** 2
Condition: Water Level, Sag in pipe
Remarks: N/A



Distance: 104.4 ft. **Grade:** 0
Condition: Tap Factory Made Capped
Remarks: N/A

Pipe Eyes
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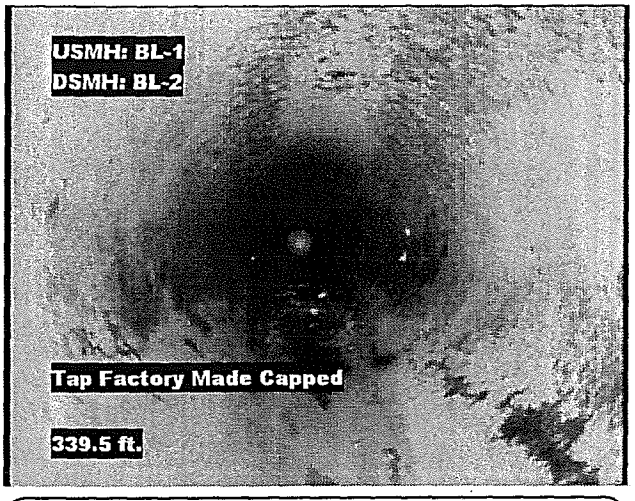
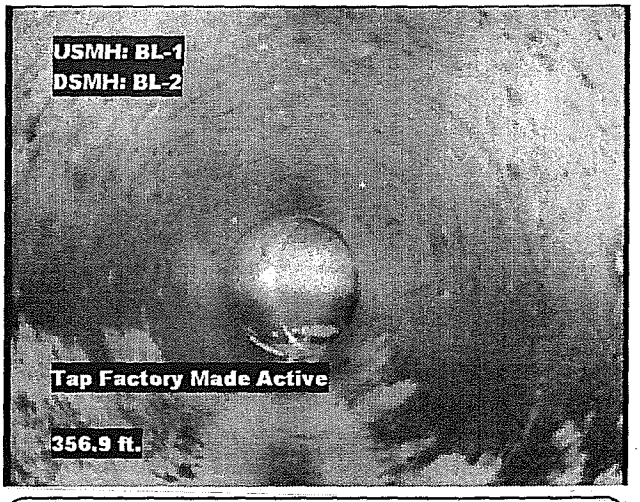
PIPE EYES

Image Report 4/Page

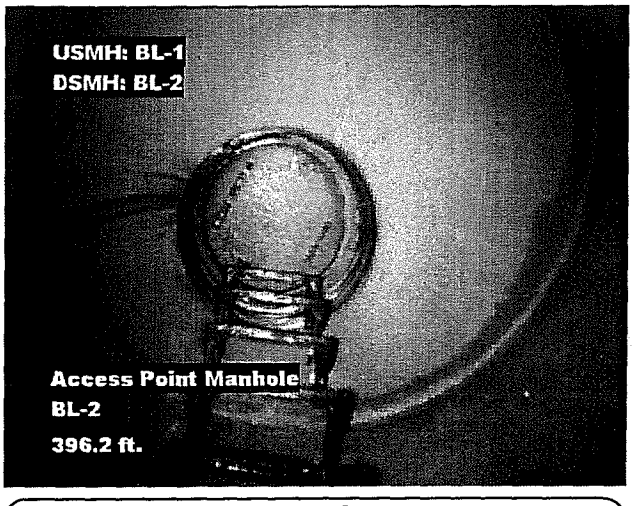
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-1_BL-2	Hillview	Blue Lick	PolyVinyl Chloride		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
BL-1			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-2	396.2		8	8		



Distance: 339.5 ft. **Grade:** 0
Condition: Tap Factory Made Capped
Remarks: N/A



Distance: 356.9 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 396.2 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: BL-2

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
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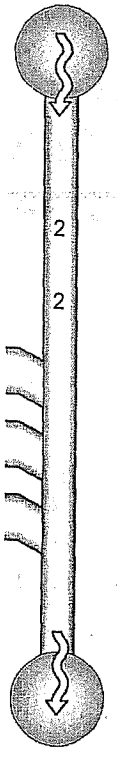
PIPE EYES

Defect Listing Plot Left

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-1_BL-2	Hillview	Blue Lick	PolyVinyl Chloride		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
BL-1			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-2	396.2		8	8		

SPR	MPR	PO Number	Customer: Camben Environmental
SPRI	MPRI	Work Order	Purpose: Maintenance Related
QSR	QMR		

OPR	Surveyed By: Jason_Crites	Direction: Downstream	Date: 20130807	Media label: 1	
OPRI	Certificate Number: U-907-5639	Pre-Cleaning: Jetting	Time: 14:00	Weather: Dry	Situation
Result	Present	Date Cleaned: 20130807	End Time: 14:11	Additional Info	



	Code:	Continuous:	Pos:	Val 1 / 2 :	% :	Gallons:
0.0 ft.	Access Point Manhole BL-1					
0.0 ft.	Water Level				5	
95.5 ft.	Water Level, Sag in pipe				10	
104.4 ft.	Tap Factory Made Capped		3	6		
339.5 ft.	Tap Factory Made Capped		3	6		
356.9 ft.	Tap Factory Made Active		3	6		
396.2 ft.	Access Point Manhole BL-2					

Pipe Eyes
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Louisville KY 40229 Kentucky 40229
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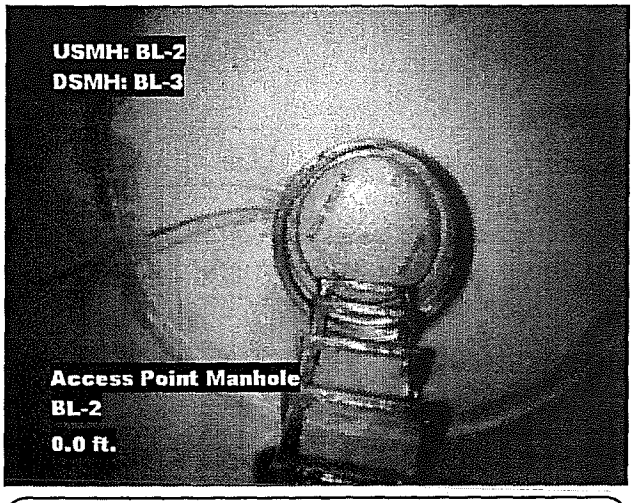
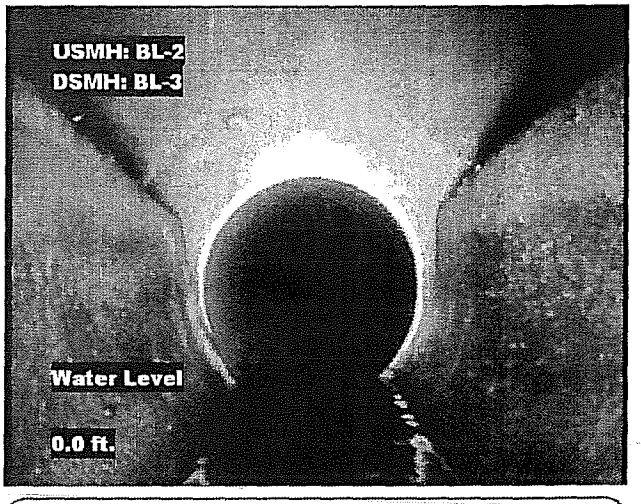
PIPE EYES

Image Report 4/Page

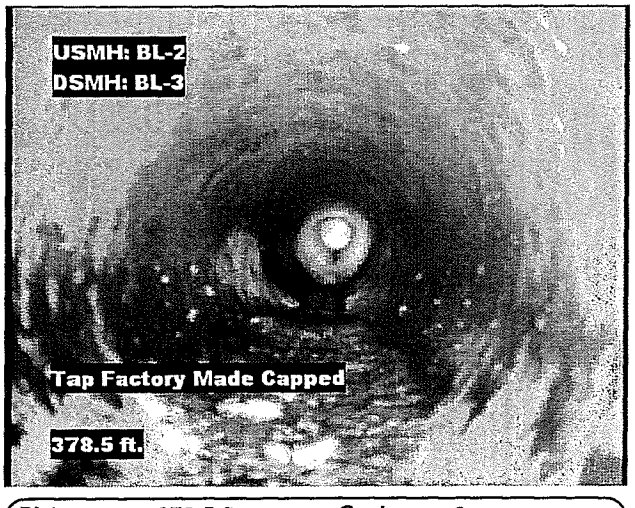
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-2_BL-3	Hillview	Blue Lick	PolyVinyl Chloride		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
BL-2			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-3	395.1		8	8		



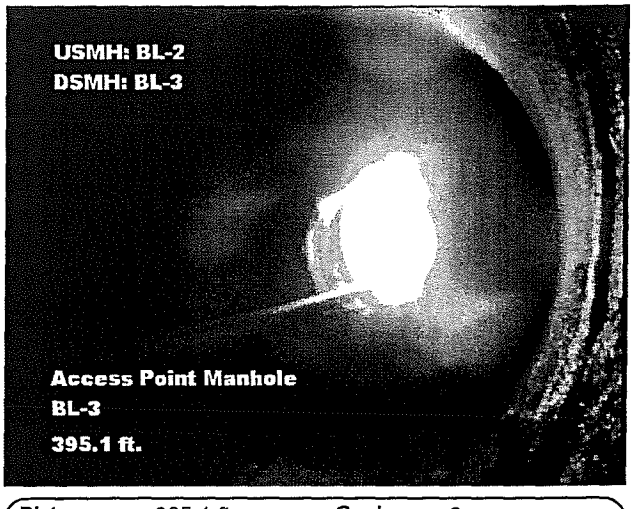
Distance: 0.0 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: BL-2



Distance: 0.0 ft. **Grade:** 2
Condition: Water Level
Remarks: N/A



Distance: 378.5 ft. **Grade:** 0
Condition: Tap Factory Made Capped
Remarks: N/A



Distance: 395.1 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: BL-3

Pipe Eyes
145 Smith Lane
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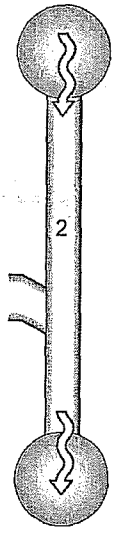
PIPE EYES

Defect Listing Plot Left

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-2_BL-3	Hillview	Blue Lick	PolyVinyl Chloride		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
BL-2			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-3	395.1		8	8		

SPR	MPR	PO Number	Customer
			Camben Enviornmental
SPRI	MPRI	Work Order	Purpose
QSR	QMR		Maintenance Related

OPR	Surveyed By	Direction	Date	Media label	
	Jason_Crites	Downstream	20130807	1	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	Situation
	U-907-5639	Jetting	14:13	Dry	
Result	Present	Date Cleaned	End Time	Additional Info	
		20130807	14:33		



BL-2

	Code:	Continuous:	Pos:	Val 1 / 2 :	% :	Gallons:
0.0 ft.	Access Point Manhole BL-2					
0.0 ft.	Water Level				5	
378.5 ft.	Tap Factory Made Capped		3	6		
395.1 ft.	Access Point Manhole BL-3					

BL-3

Pipe Eyes
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PIPE EYES

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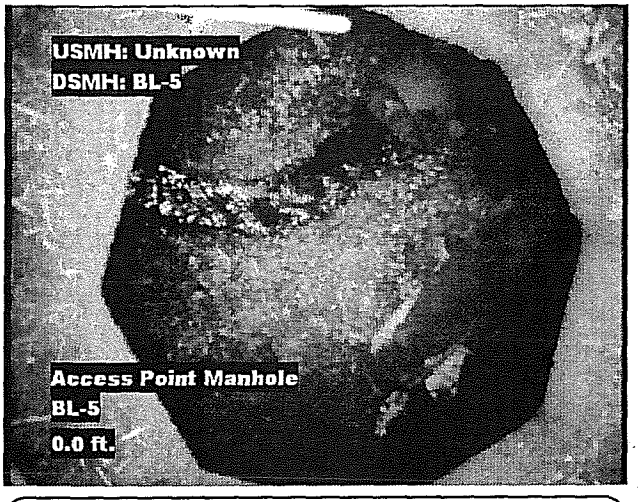
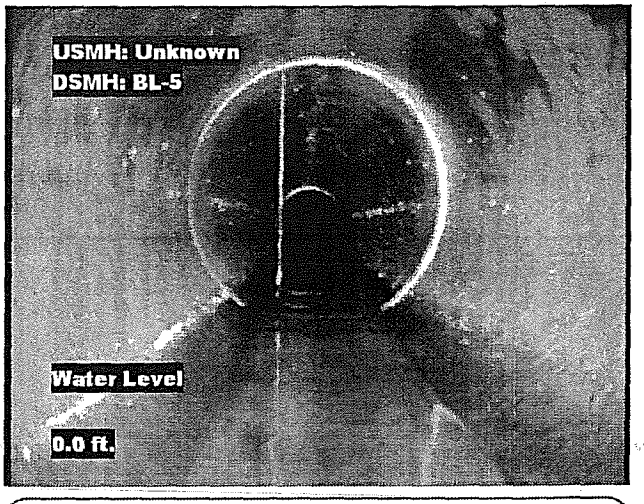
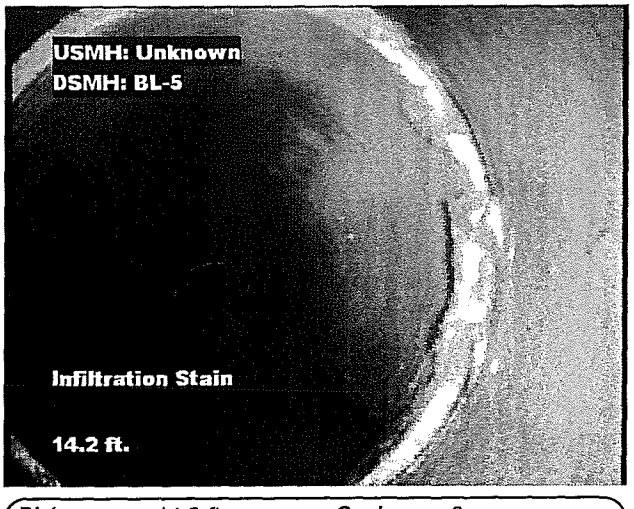
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_Unknown	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
Unknown			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-5	165.4		8	8		



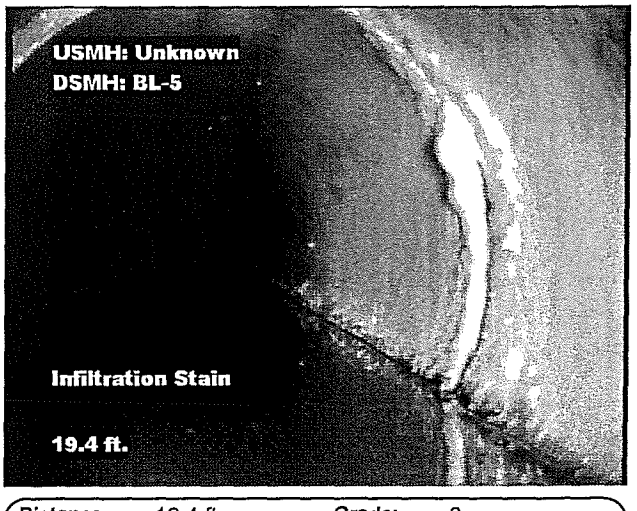
Distance: 0.0 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: BL-5



Distance: 0.0 ft. **Grade:** 2
Condition: Water Level
Remarks: N/A



Distance: 14.2 ft. **Grade:** 0
Condition: Infiltration Stain
Remarks: N/A



Distance: 19.4 ft. **Grade:** 0
Condition: Infiltration Stain
Remarks: N/A

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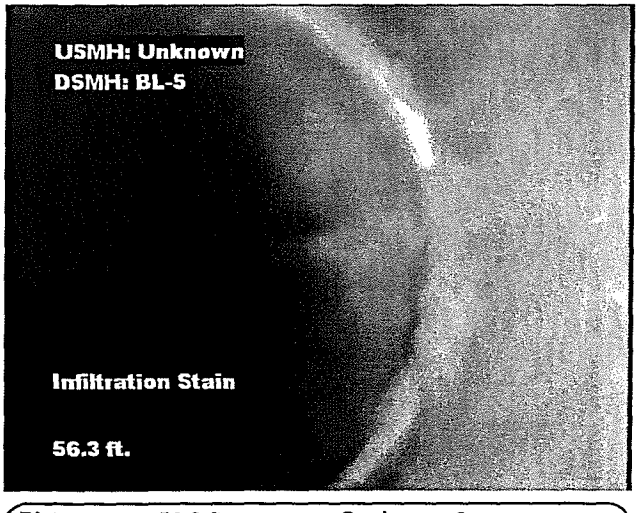
PIPE EYES

Image Report 4/Page

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_Unknown	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
Unknown			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-5	165.4		8	8		

Distance: 44.4 ft. **Grade:** 2
Condition: Deposits Attached Grease
Remarks: N/A

Distance: 50.7 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 56.3 ft. **Grade:** 0
Condition: Infiltration Stain
Remarks: N/A

Distance: 62.5 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A

Pipe Eyes
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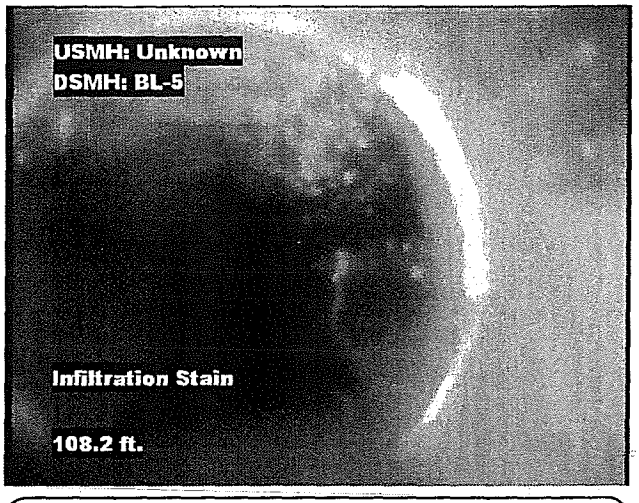
PIPE EYES

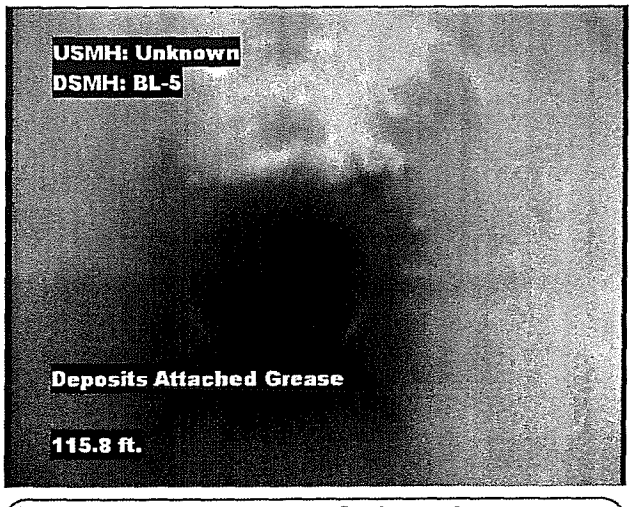
Image Report 4/Page

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_Unknown	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
Unknown			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-5	165.4		8	8		

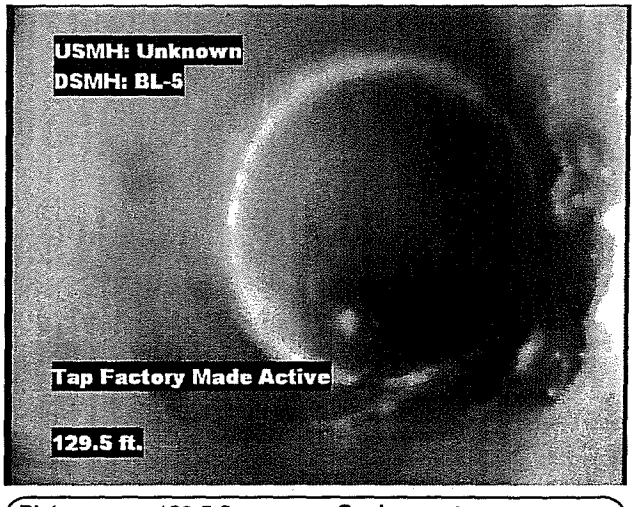
Distance: 74.7 ft. **Grade:** 2
Condition: Deposits Attached Grease
Remarks: N/A



Distance: 108.2 ft. **Grade:** 0
Condition: Infiltration Stain
Remarks: N/A



Distance: 115.8 ft. **Grade:** 2
Condition: Deposits Attached Grease
Remarks: N/A



Distance: 129.5 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A

Pipe Eyes
145 Smith Lane
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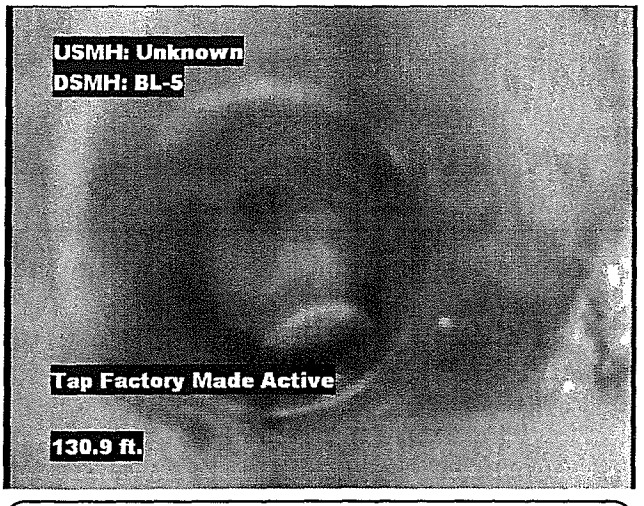
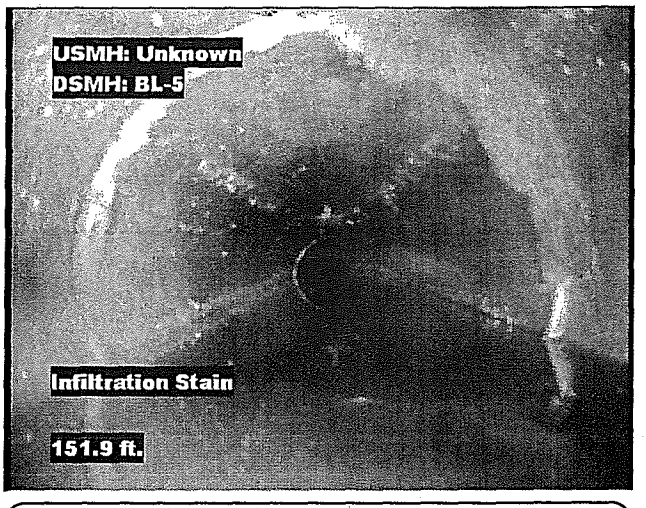
PIPE EYES

Image Report 4/Page

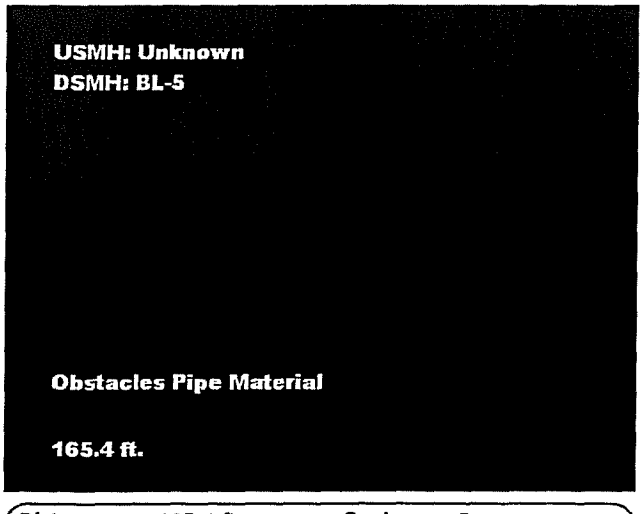
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_Unknown	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
Unknown			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-5	165.4		8	8		



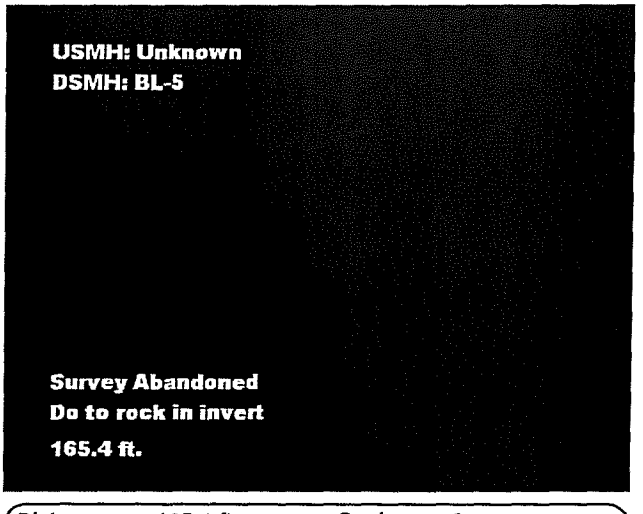
Distance: 130.9 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 151.9 ft. **Grade:** 0
Condition: Infiltration Stain
Remarks: N/A



Distance: 165.4 ft. **Grade:** 5
Condition: Obstacles Pipe Material
Remarks: N/A



Distance: 165.4 ft. **Grade:** 0
Condition: Survey Abandoned
Remarks: Do to rock in invert

Pipe Eyes
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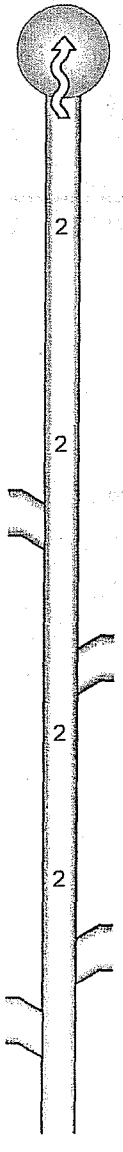
PIPE EYES

Defect Listing Plot Left

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_Unknown	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
Unknown			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-5	165.4		8	8		

SPR	N/A	MPR	13	PO Number	Customer: Camben Environmental
SPRI	N/A	MPRI	2.6		
QSR	N/A	QMR	5124	Work Order	Purpose: Maintenance Related

OPR	Surveyed By	Direction	Date	Media label	
13	Jason_Crites	Upstream	20130808	1	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	Situation
2.6	U-907-5639	No Pre-Cleaning	07:03	Dry	
Result	Present	Date Cleaned	End Time	Additional Info	
			07:22		



BL-5

	Code:	Continuous:	Pos:	Val 1 / 2 :	% :	Gallons:
0.0 ft.	Access Point Manhole BL-5					
0.0 ft.	Water Level				5	
14.2 ft.	Infiltration Stain		2 - 5			
19.4 ft.	Infiltration Stain		1 - 5			
44.4 ft.	Deposits Attached Grease		9 - 3		5	
50.7 ft.	Tap Factory Made Active		2	4		
56.3 ft.	Infiltration Stain		2 - 4			
62.5 ft.	Tap Factory Made Active		10	6		
74.7 ft.	Deposits Attached Grease		9 - 3		5	
108.2 ft.	Infiltration Stain		1 - 5			
115.8 ft.	Deposits Attached Grease		10 - 2		5	
129.5 ft.	Tap Factory Made Active		10	6		
130.9 ft.	Tap Factory Made Active		2	6		
151.9 ft.	Infiltration Stain		8 - 4			

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PIPE EYES

Defect Listing Plot Left

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
BL-5_Unknown	Hillview	Blue Lick	Vitrified Clay Pipe	Easement/R...	Sanitary

Upstream MH	Total Length	Year Laid	Shape	Location Details
Unknown			Circular	

DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
BL-5	165.4		8	8	

SPR	N/A	MPR	13	PO Number	Customer: Camben Environmental
SPRI	N/A	MPRI	2.6	Work Order	Purpose: Maintenance Related
QSR	N/A	QMR	5124		

OPR	Surveyed By	Direction	Date	Media label
13	Jason_Crites	Upstream	20130808	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather	Situation
2.6	U-907-5639	No Pre-Cleaning	07:03	Dry	

Result	Present	Date Cleaned	End Time	Additional Info
			07:22	

165.4 ft.	Obstacles Pipe Material		3 - 9	50
165.4 ft.	Survey Abandoned Do to rock in invert			

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PIPE EYES

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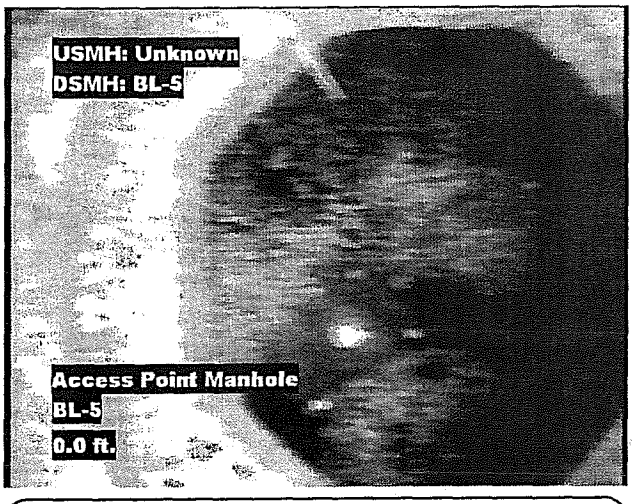
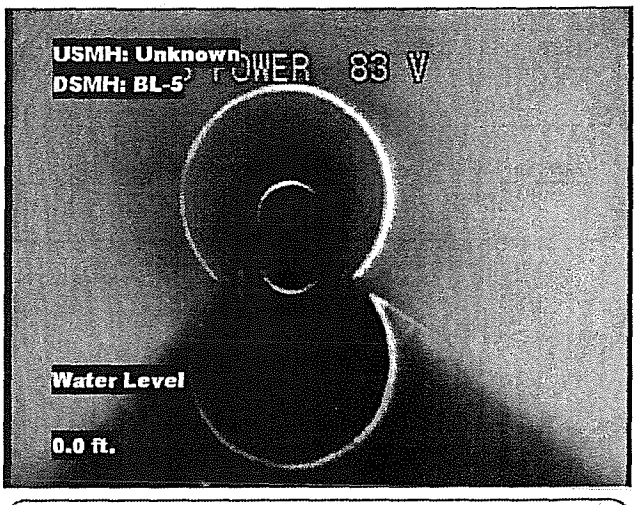
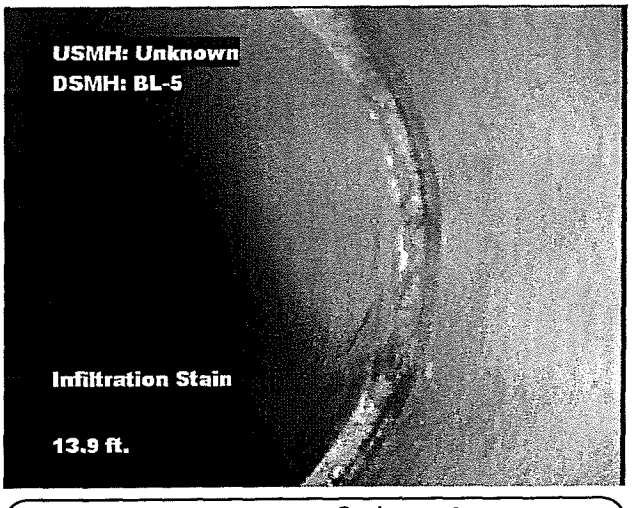
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_Unknown	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
Unknown			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-5	208.3		8	8		



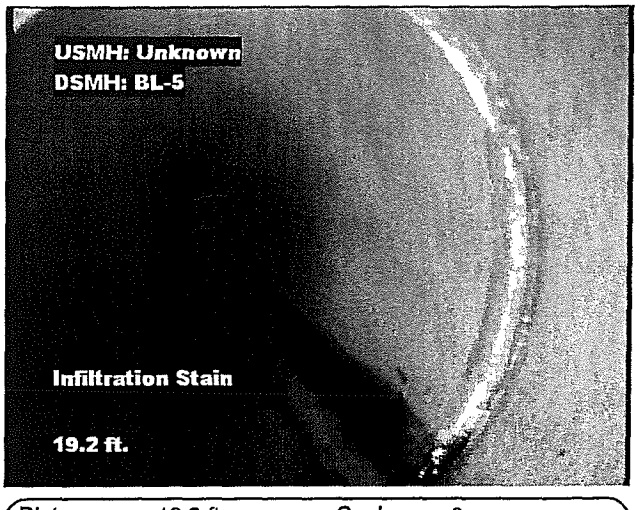
Distance:	0.0 ft.	**Grade:**	0
Condition:	Access Point Manhole		
Remarks:	BL-5		



Distance:	0.0 ft.	**Grade:**	2
Condition:	Water Level		
Remarks:	N/A		



Distance:	13.9 ft.	**Grade:**	0
Condition:	Infiltration Stain		
Remarks:	N/A		



Distance:	19.2 ft.	**Grade:**	0
Condition:	Infiltration Stain		
Remarks:	N/A		

PIPE EYES

Pipe Eyes
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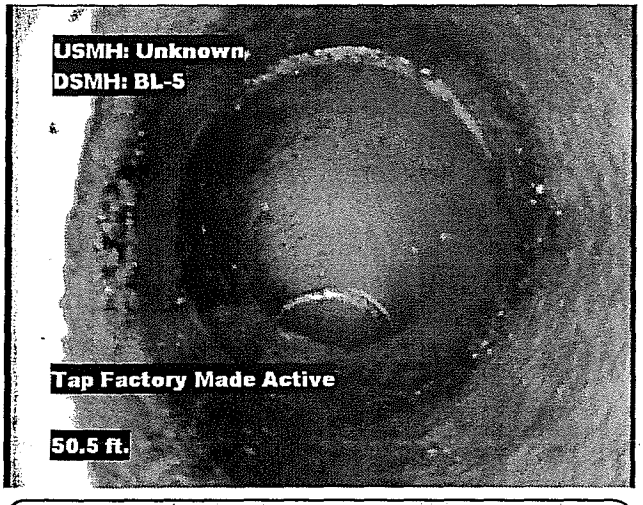
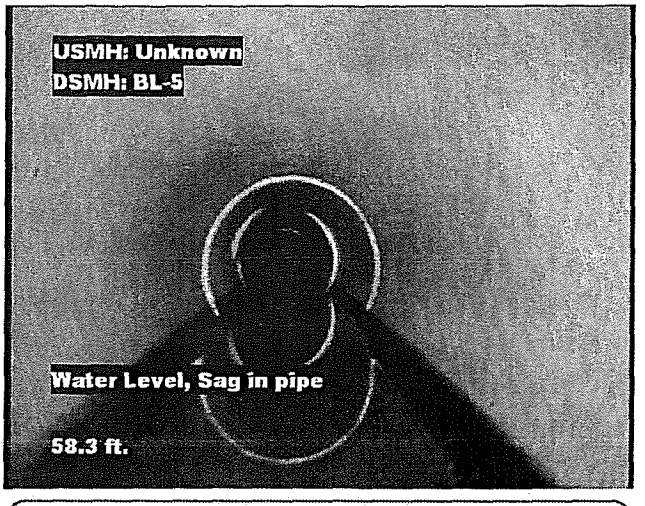
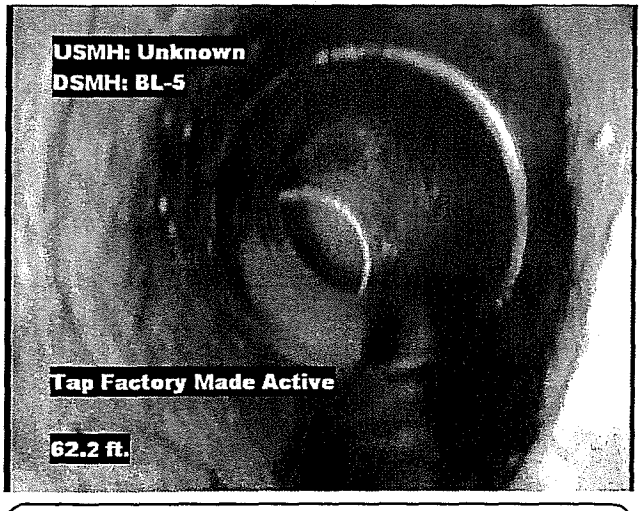
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_Unknown	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
Unknown			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-5	208.3		8	8		



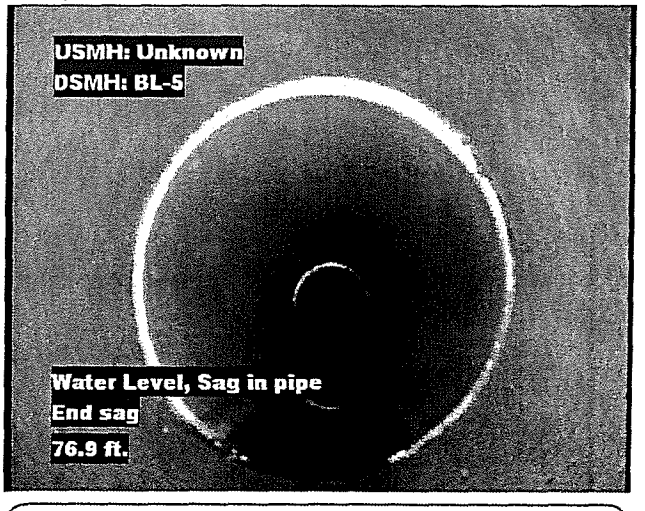
Distance:	50.5 ft.	**Grade:**	0
Condition:	Tap Factory Made Active		
Remarks:	N/A		



Distance:	58.3 ft.	**Grade:**	2
Condition:	Water Level, Sag in pipe		
Remarks:	N/A		



Distance:	62.2 ft.	**Grade:**	0
Condition:	Tap Factory Made Active		
Remarks:	N/A		



Distance:	76.9 ft.	**Grade:**	2
Condition:	Water Level, Sag in pipe		
Remarks:	End sag		

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PIPE EYES

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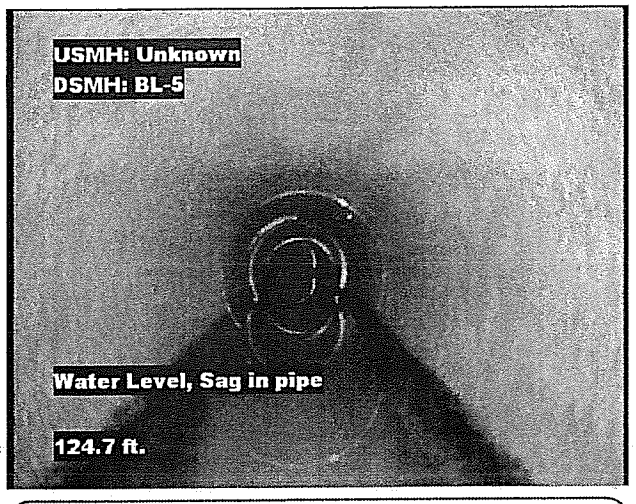
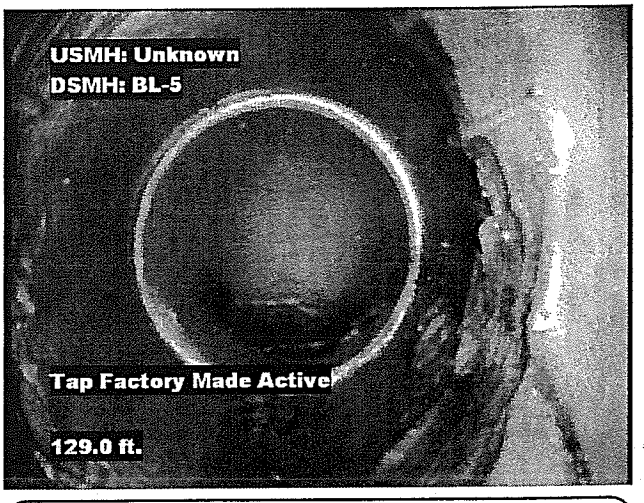
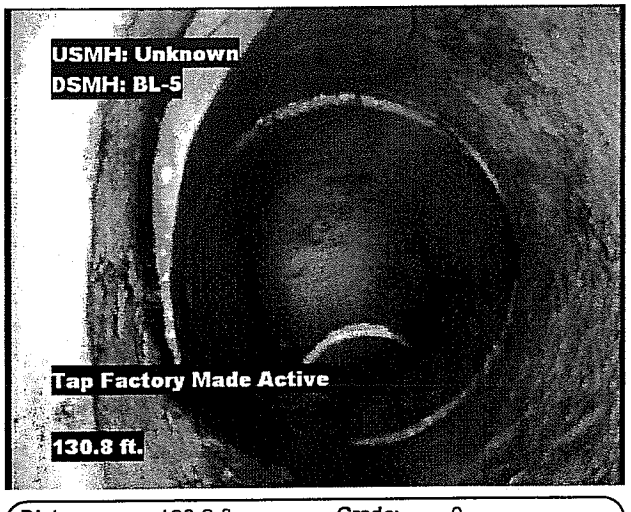
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_Unknown	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
Unknown			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-5	208.3		8	8		



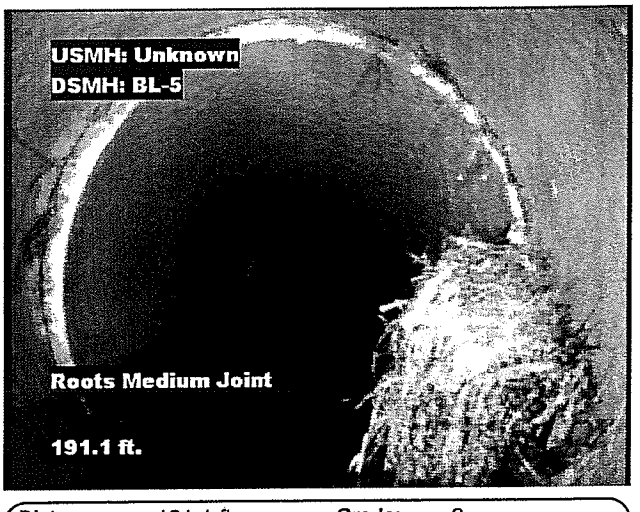
Distance: 124.7 ft. **Grade:** 2
Condition: Water Level, Sag in pipe
Remarks: N/A



Distance: 129.0 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 130.8 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 191.1 ft. **Grade:** 3
Condition: Roots Medium Joint
Remarks: N/A

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PIPE EYES

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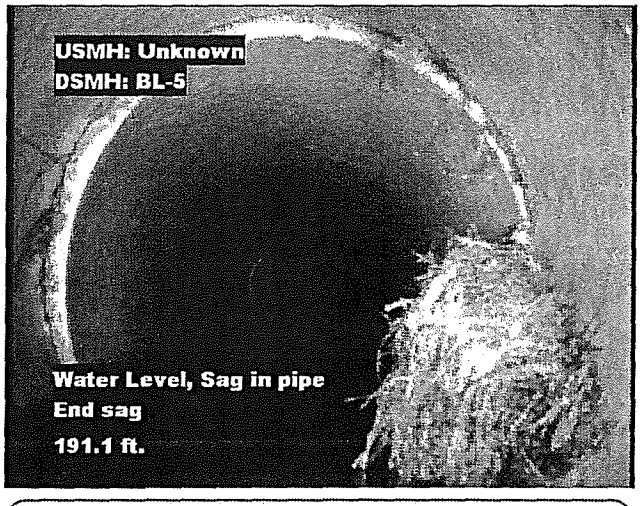
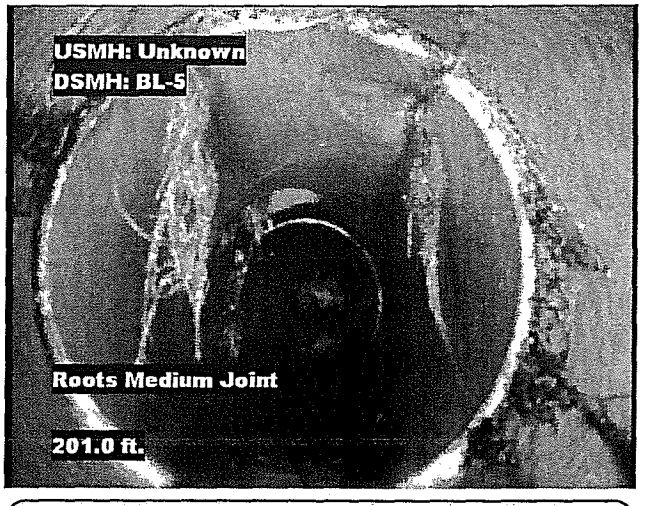
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_Unknown	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
Unknown			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-5	208.3		8	8		

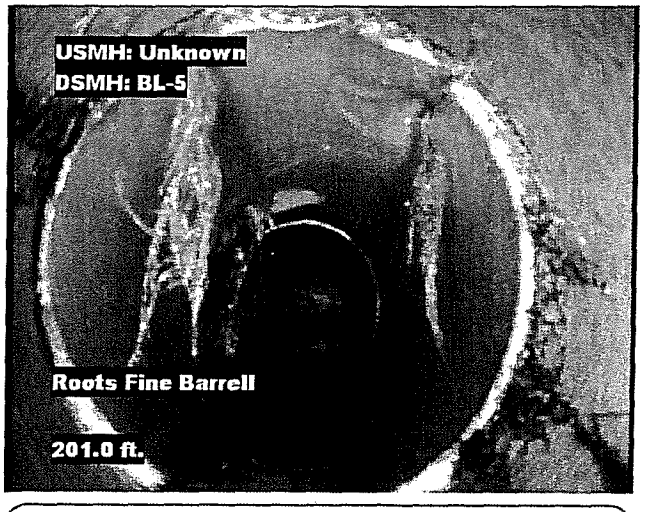


Distance: 191.1 ft. **Grade:** 2
Condition: Water Level, Sag in pipe
Remarks: End sag



Distance: 201.0 ft. **Grade:** 3
Condition: Roots Medium Joint
Remarks: N/A

Distance: 201.0 ft. **Grade:** 5
Condition: Hole Soil Visible
Remarks: N/A



Distance: 201.0 ft. **Grade:** 2
Condition: Roots Fine Barrell
Remarks: N/A

Pipe Eyes
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PIPE EYES

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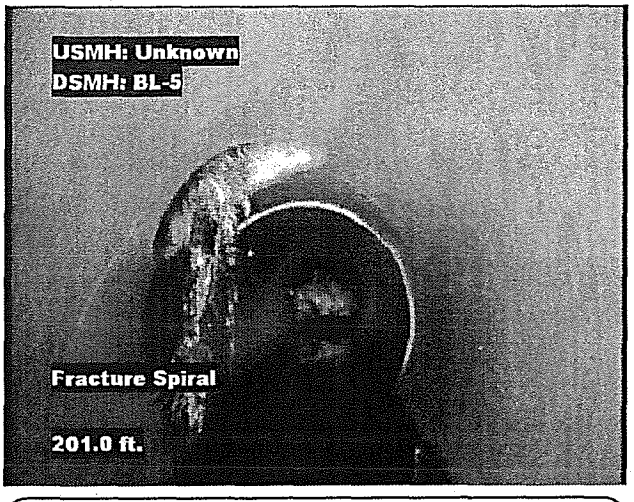
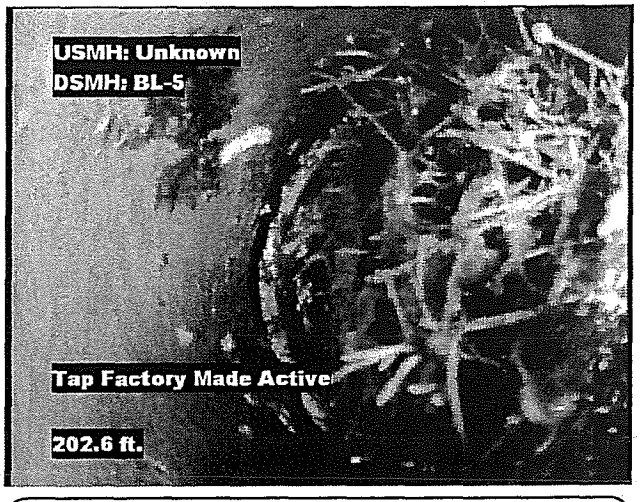
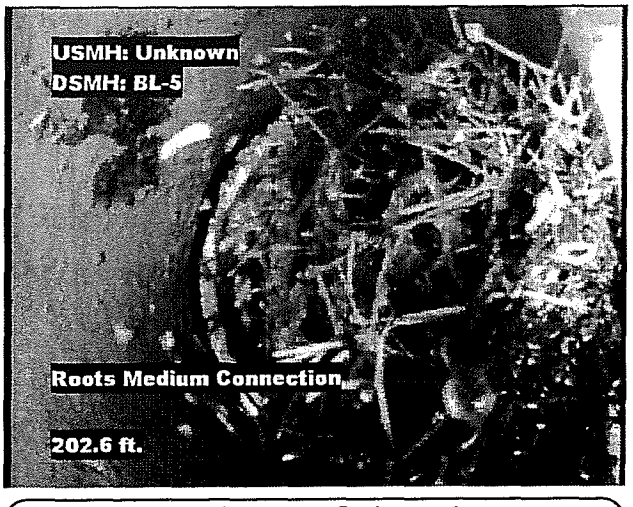
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_Unknown	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
Unknown			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-5	208.3		8	8		



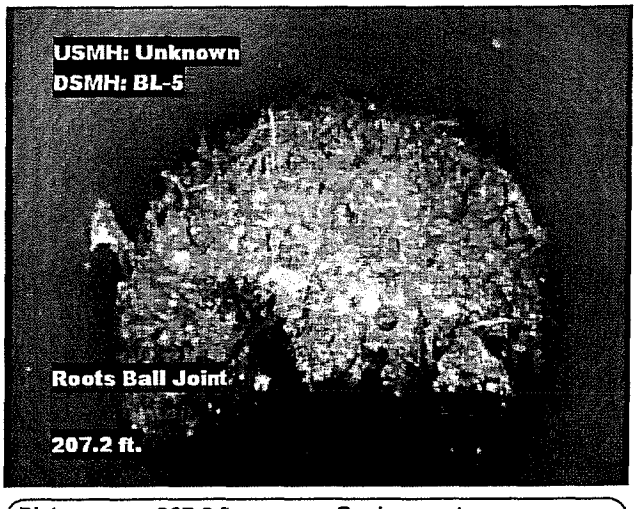
Distance: 201.0 ft. **Grade:** 3
Condition: Fracture Spiral
Remarks: N/A



Distance: 202.6 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 202.6 ft. **Grade:** 3
Condition: Roots Medium Connection
Remarks: N/A



Distance: 207.2 ft. **Grade:** 4
Condition: Roots Ball Joint
Remarks: N/A

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PIPE EYES

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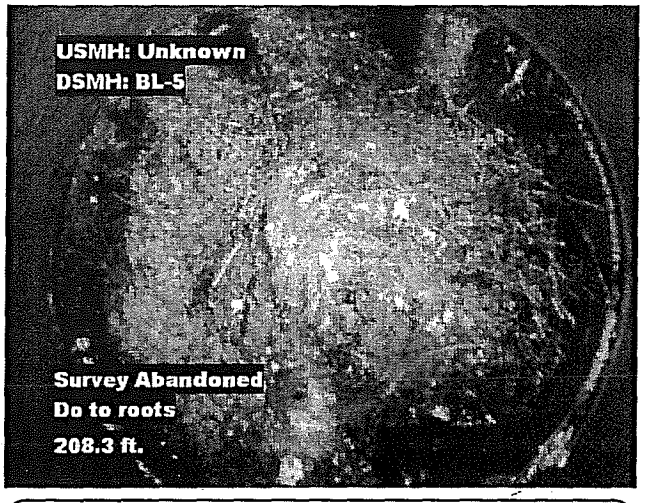
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_Unknown	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
Unknown			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-5	208.3		8	8		



Distance: 208.3 ft. **Grade:** 0
Condition: Survey Abandoned
Remarks: Do to roots

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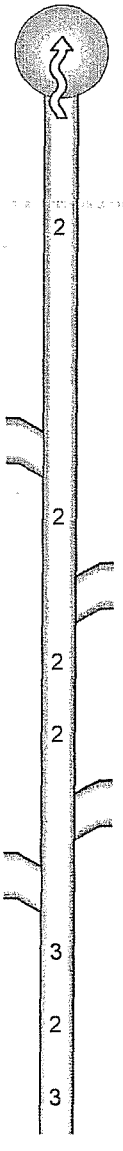
PIPE EYES

Defect Listing Plot Left

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_Unknown	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
Unknown			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-5	208.3		8	8		

SPR	8	MPR	51	PO Number	Customer
SPRI	4	MPRI	2.2		Camben Environmental
QSR	5131	QMR	4133	Work Order	Purpose
					Maintenance Related

OPR	Surveyed By	Direction	Date	Media label	
59	Jason_Crites	Upstream	20130808	1	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	Situation
2.4	U-907-5639	Jetting	08:22	Dry	
Result	Present	Date Cleaned	End Time	Additional Info	
		20130808	08:35		



BL-5

	Code:	Continuous:	Pos:	Val 1 / 2 :	% :	Gallons:
0.0 ft.	Access Point Manhole BL-5					
0.0 ft.	Water Level				5	
13.9 ft.	Infiltration Stain		2 - 5			
19.2 ft.	Infiltration Stain		2 - 4			
50.5 ft.	Tap Factory Made Active		2	4		
58.3 ft.	Water Level, Sag in pipe	Start S01			10	
62.2 ft.	Tap Factory Made Active		10	4		
76.9 ft.	Water Level, Sag in pipe End sag	End F01			10	
124.7 ft.	Water Level, Sag in pipe	Start S02			10	
129.0 ft.	Tap Factory Made Active		11	4		
130.8 ft.	Tap Factory Made Active		1	4		
191.1 ft.	Roots Medium Joint		7 - 5		10	
191.1 ft.	Water Level, Sag in pipe End sag	End F02			10	
201.0 ft.	Roots Medium Joint		7 - 5		5	

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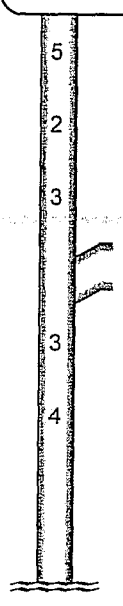
Defect Listing Plot Left

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_Unknown	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
Unknown			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-5	208.3		8	8		

SPR	8	MPR	51	PO Number	Customer: Camben Environmental
SPRI	4	MPRI	2.2	Work Order	Purpose: Maintenance Related
QSR	5131	QMR	4133		

OPR	Surveyed By	Direction	Date	Media label	
59	Jason_Crites	Upstream	20130808	1	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	Situation
2.4	U-907-5639	Jetting	08:22	Dry	
Result	Present	Date Cleaned	End Time	Additional Info	
		20130808	08:35		



201.0 ft.	Hole Soil Visible		1 - 2			
201.0 ft.	Roots Fine Barrell		1 - 2			
201.0 ft.	Fracture Spiral		7 - 2			
202.6 ft.	Tap Factory Made Active		11	4		
202.6 ft.	Roots Medium Connection		7 - 5		25	
207.2 ft.	Roots Ball Joint		7 - 5		90	
208.3 ft.	Survey Abandoned Do to roots					

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PIPE EYES

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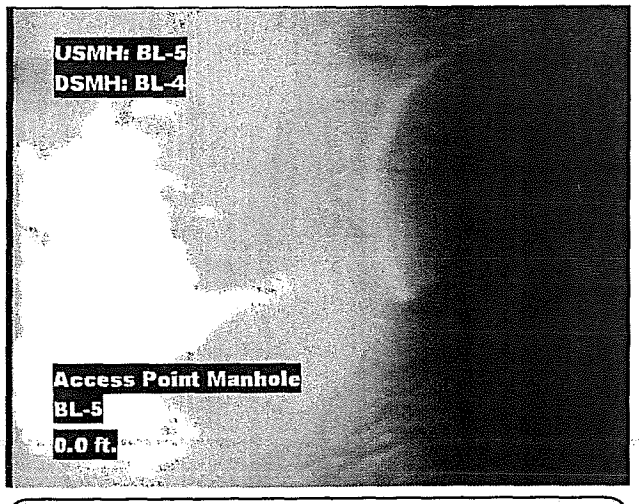
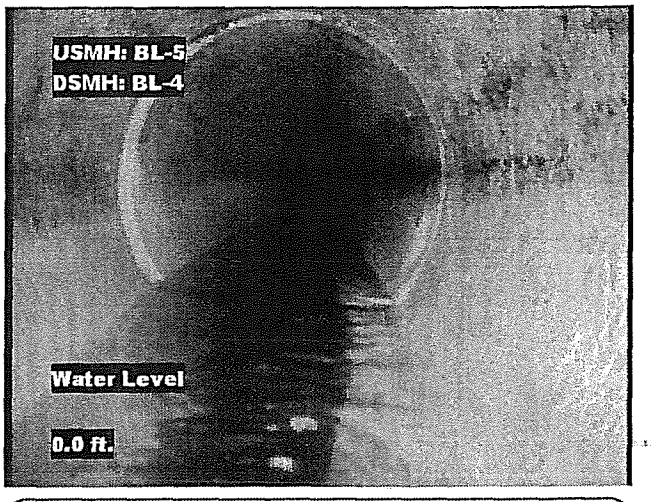
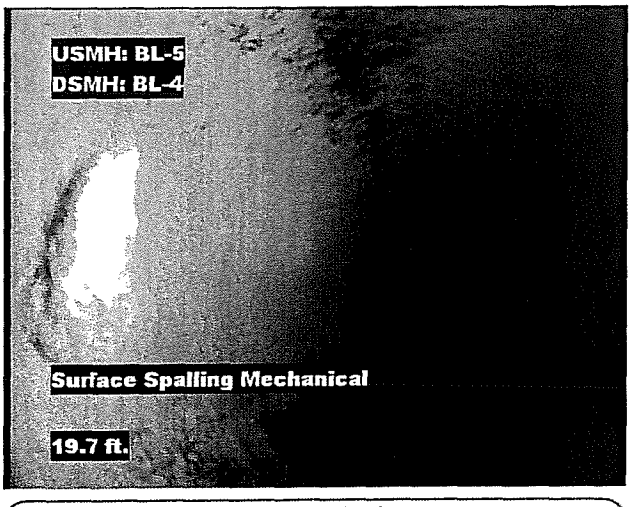
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_BL-4	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
BL-5			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-4	538.6		8	8		



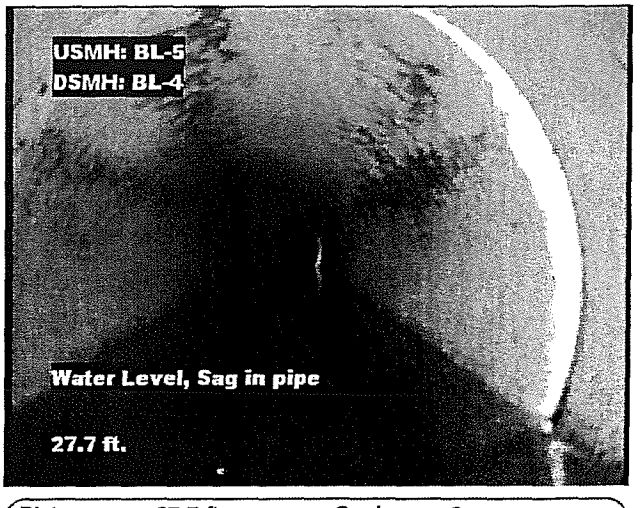
Distance: 0.0 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: BL-5



Distance: 0.0 ft. **Grade:** 2
Condition: Water Level
Remarks: N/A



Distance: 19.7 ft. **Grade:** 2
Condition: Surface Spalling Mechanical
Remarks: N/A



Distance: 27.7 ft. **Grade:** 2
Condition: Water Level, Sag in pipe
Remarks: N/A

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PIPE EYES

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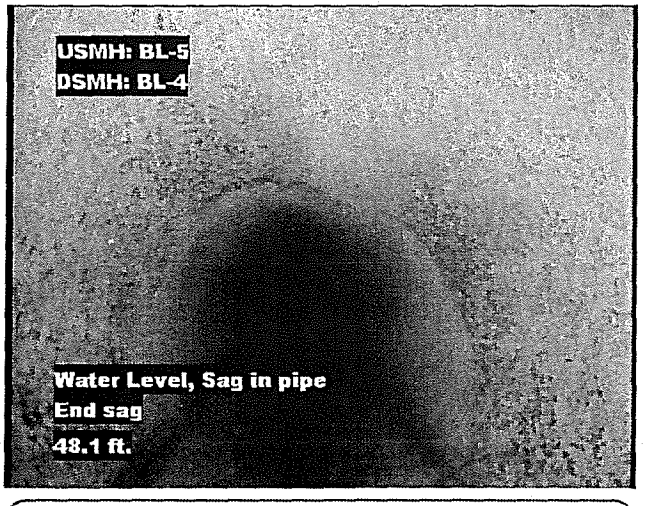
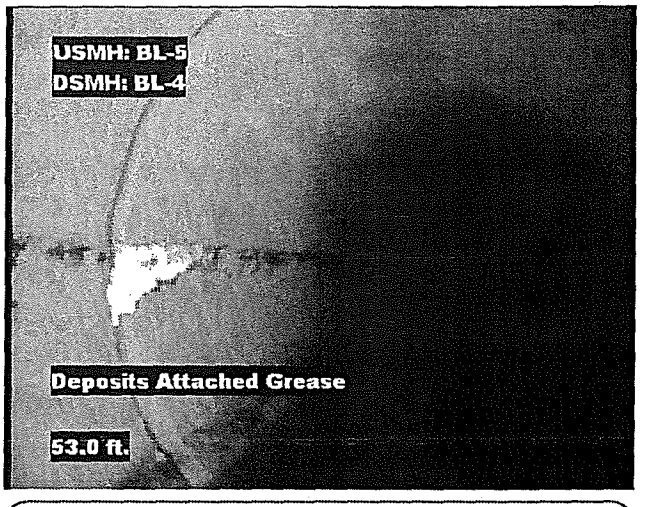
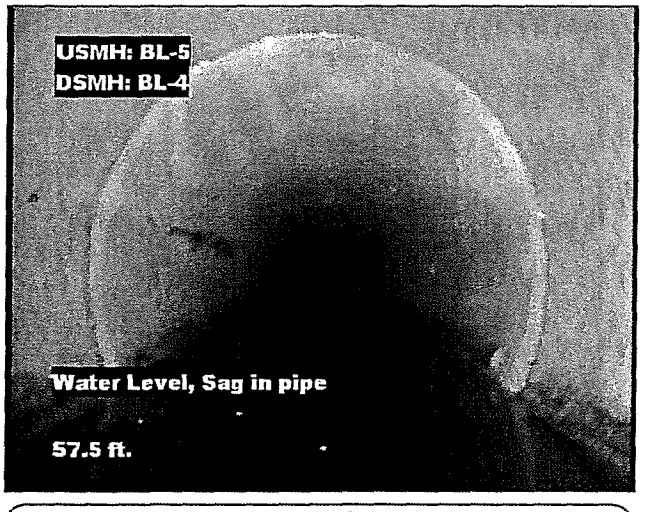
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_BL-4	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
BL-5			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-4	538.6		8	8		



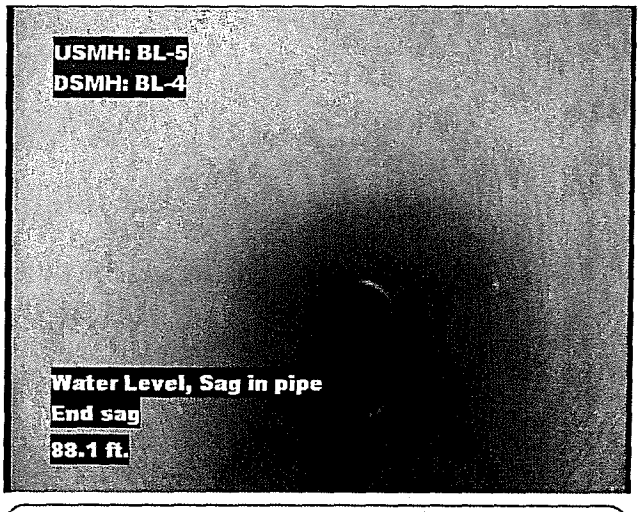
Distance: 48.1 ft. **Grade:** 2
Condition: Water Level, Sag in pipe
Remarks: End sag



Distance: 53.0 ft. **Grade:** 2
Condition: Deposits Attached Grease
Remarks: N/A



Distance: 57.5 ft. **Grade:** 2
Condition: Water Level, Sag in pipe
Remarks: N/A



Distance: 88.1 ft. **Grade:** 2
Condition: Water Level, Sag in pipe
Remarks: End sag

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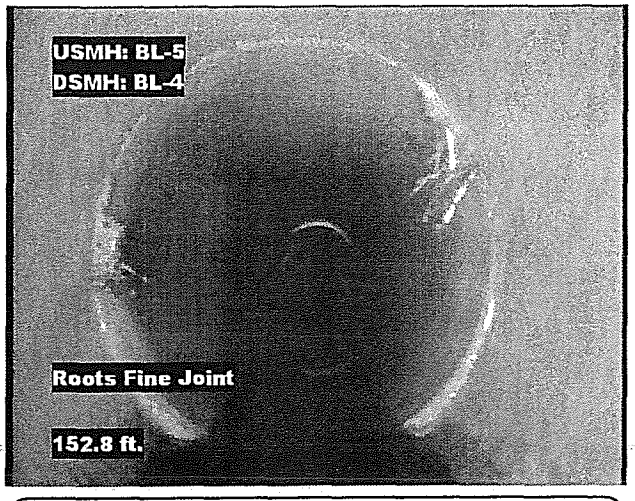
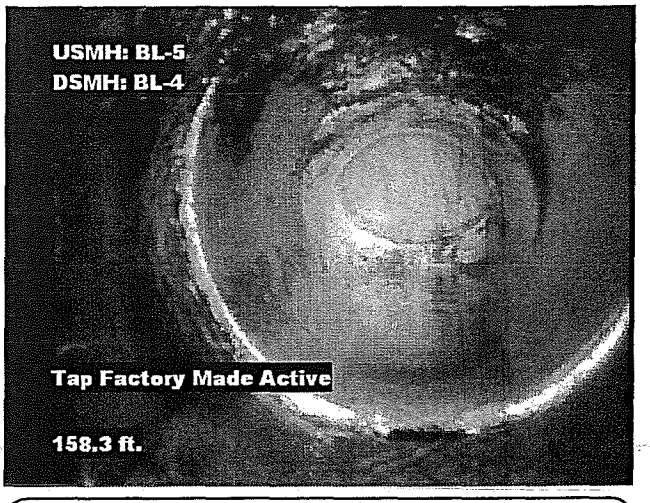
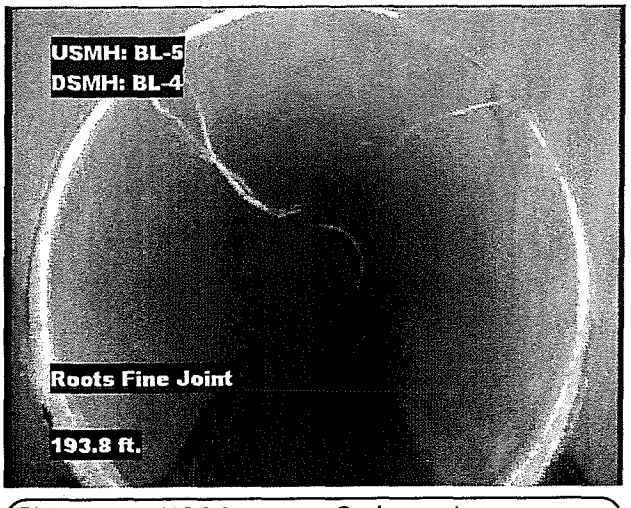
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_BL-4	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
BL-5			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-4	538.6		8	8		



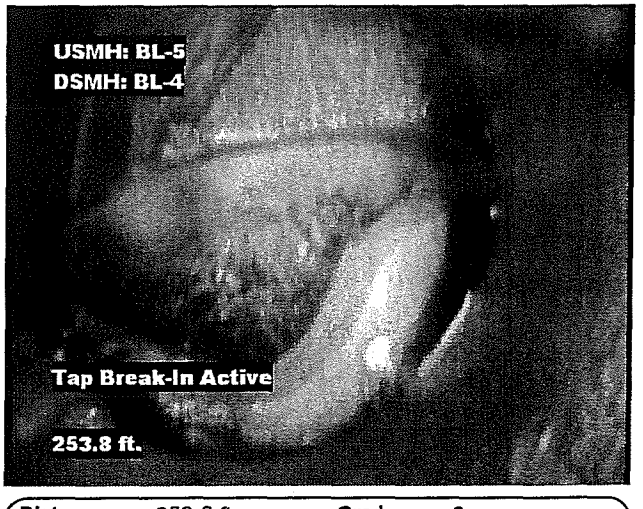
Distance: 152.8 ft. **Grade:** 1
Condition: Roots Fine Joint
Remarks: N/A



Distance: 158.3 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 193.8 ft. **Grade:** 1
Condition: Roots Fine Joint
Remarks: N/A



Distance: 253.8 ft. **Grade:** 0
Condition: Tap Break-In Active
Remarks: N/A

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PIPE EYES

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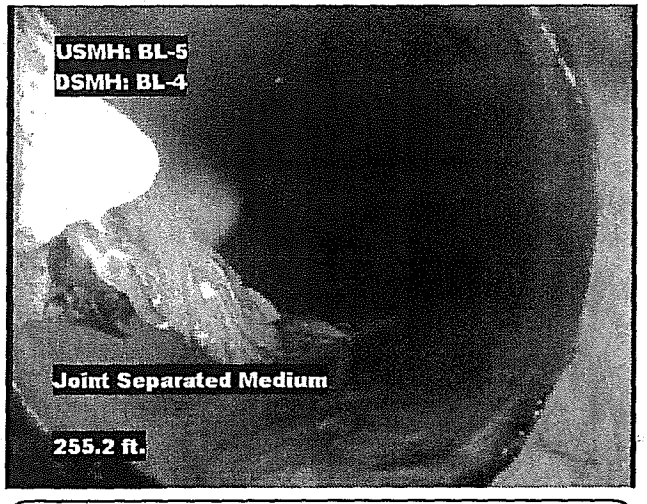
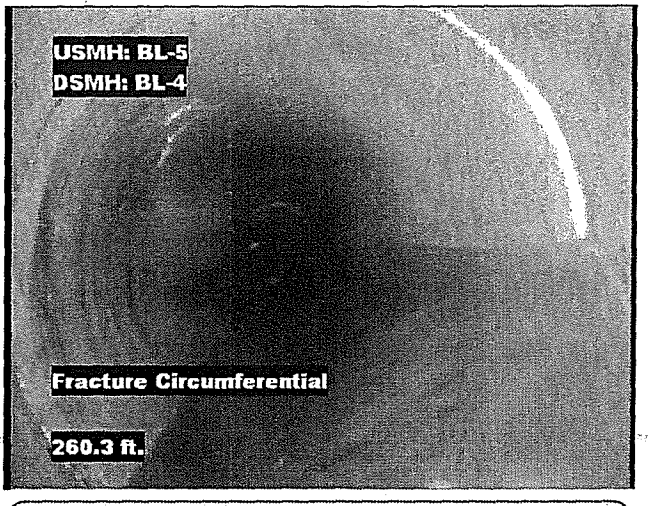
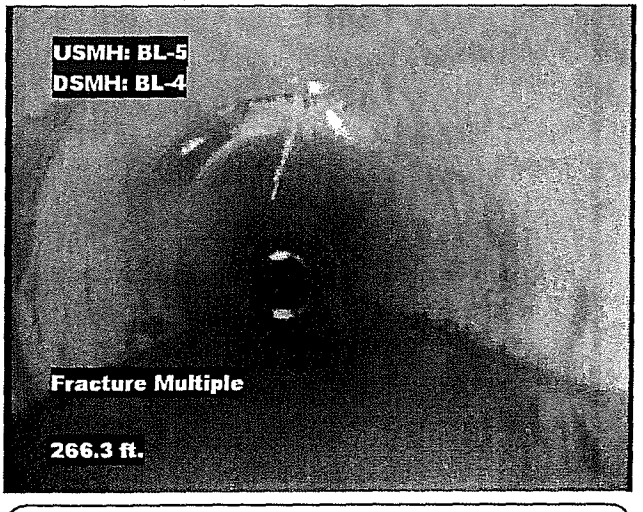
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_BL-4	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
BL-5			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-4	538.6		8	8		



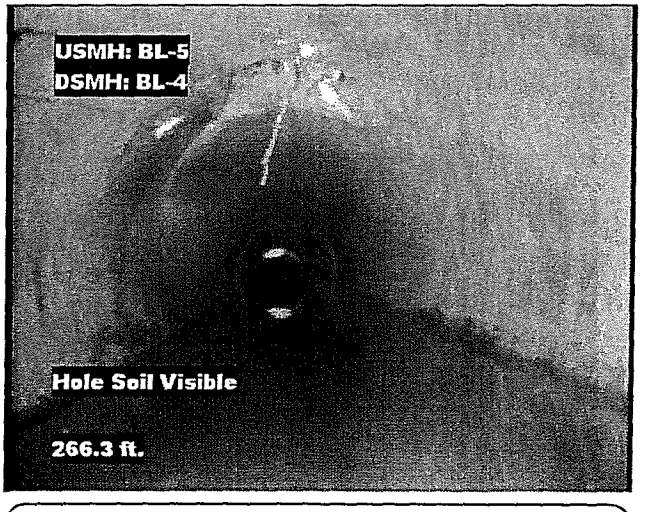
Distance: 255.2 ft. **Grade:** 1
Condition: Joint Separated Medium
Remarks: N/A



Distance: 260.3 ft. **Grade:** 2
Condition: Fracture Circumferential
Remarks: N/A



Distance: 266.3 ft. **Grade:** 4
Condition: Fracture Multiple
Remarks: N/A



Distance: 266.3 ft. **Grade:** 5
Condition: Hole Soil Visible
Remarks: N/A

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PIPE EYES

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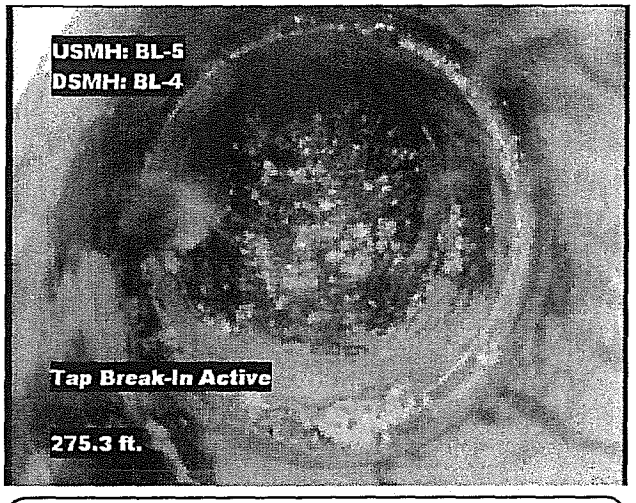
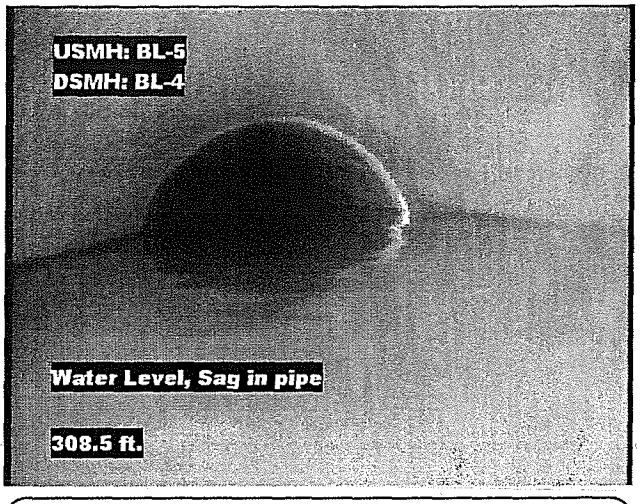
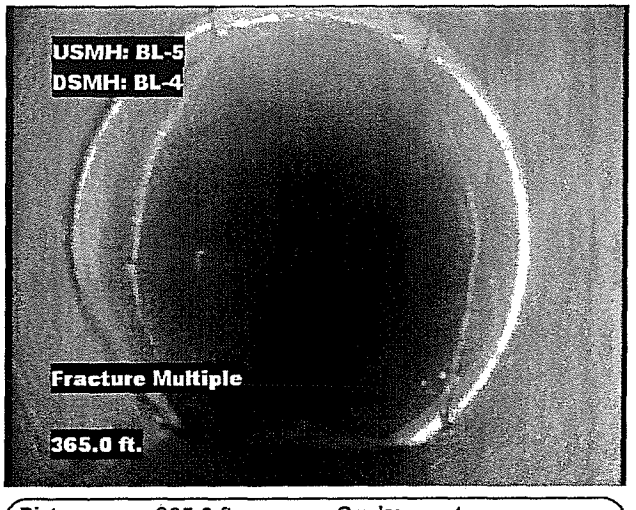
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_BL-4	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
BL-5			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-4	538.6		8	8		



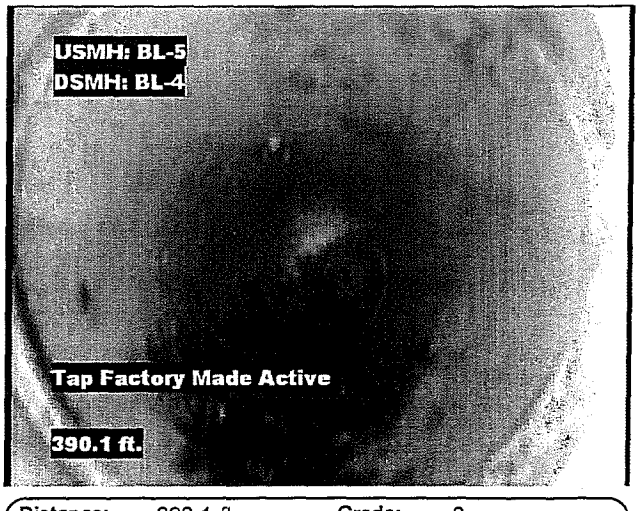
Distance:	275.3 ft.	**Grade:**	0
Condition:	Tap Break-In Active		
Remarks:	N/A		



Distance:	308.5 ft.	**Grade:**	4
Condition:	Water Level, Sag in pipe		
Remarks:	N/A		



Distance:	365.0 ft.	**Grade:**	4
Condition:	Fracture Multiple		
Remarks:	N/A		



Distance:	390.1 ft.	**Grade:**	0
Condition:	Tap Factory Made Active		
Remarks:	N/A		

PIPE EYES

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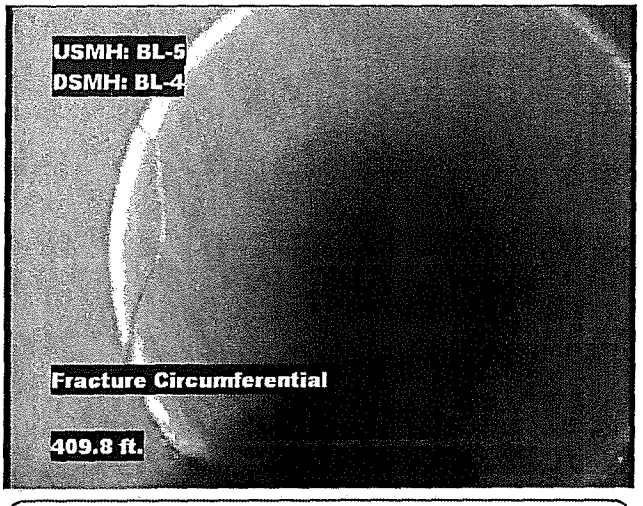
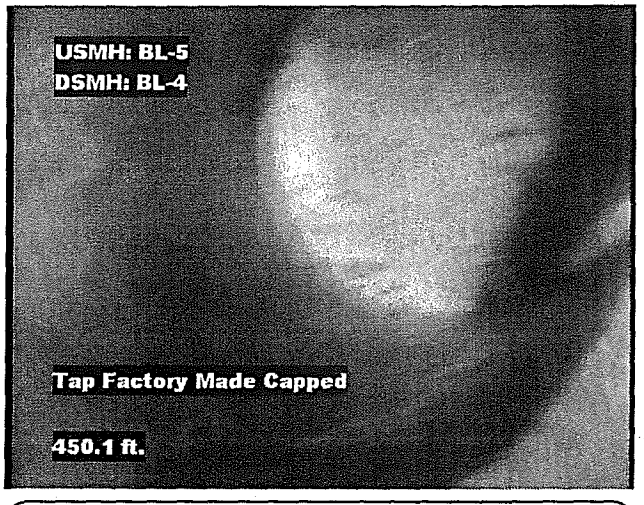
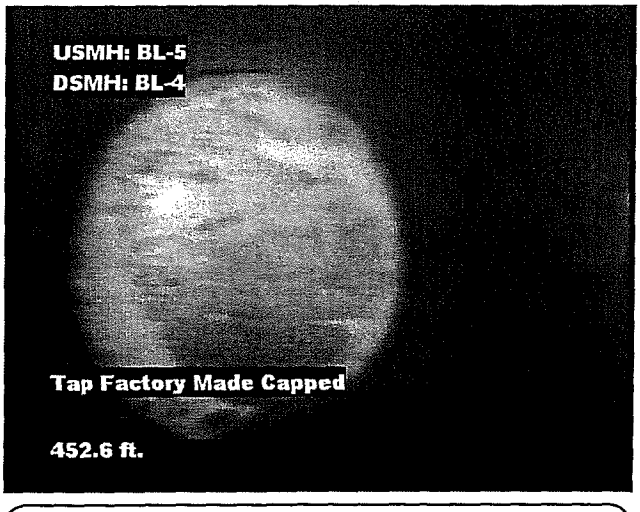
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_BL-4	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
BL-5			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-4	538.6		8	8		



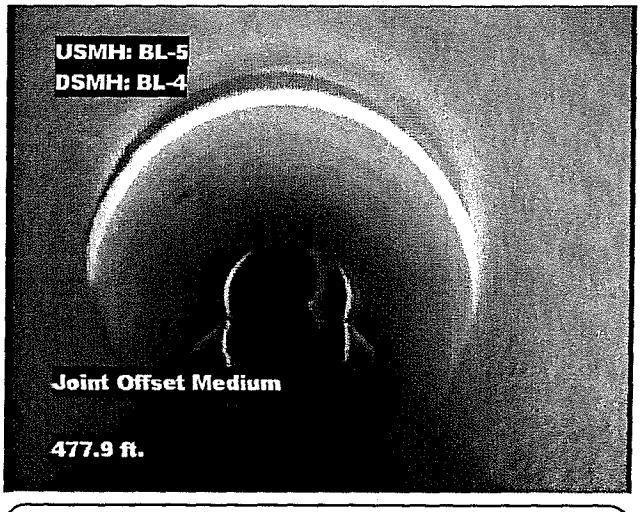
Distance: 409.8 ft. **Grade:** 2
Condition: Fracture Circumferential
Remarks: N/A



Distance: 450.1 ft. **Grade:** 0
Condition: Tap Factory Made Capped
Remarks: N/A



Distance: 452.6 ft. **Grade:** 0
Condition: Tap Factory Made Capped
Remarks: N/A



Distance: 477.9 ft. **Grade:** 1
Condition: Joint Offset Medium
Remarks: N/A

Pipe Eyes
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PIPE EYES

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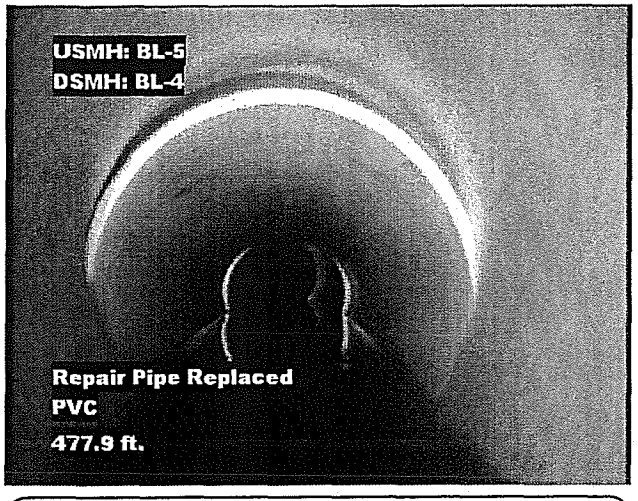
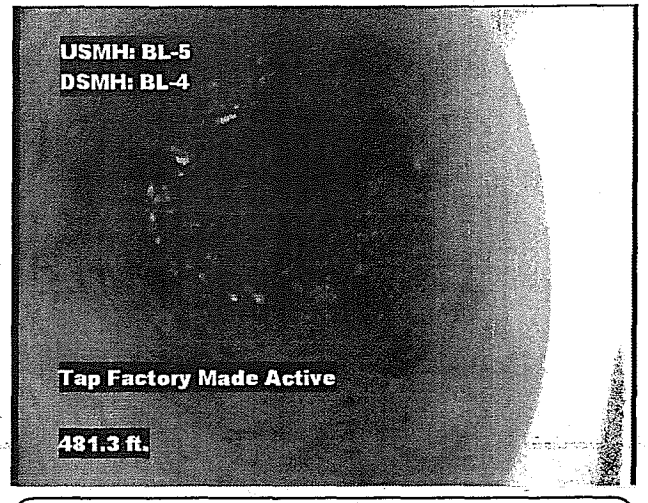
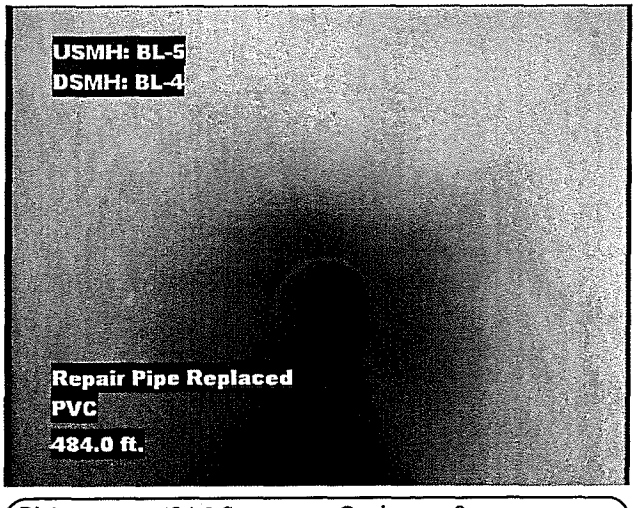
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_BL-4	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
BL-5			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-4	538.6		8	8		



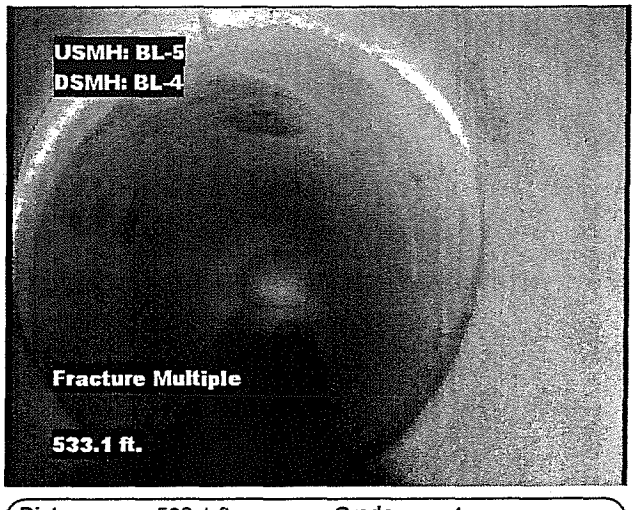
Distance:	477.9 ft.	**Grade:**	0
Condition:	Repair Pipe Replaced		
Remarks:	PVC		



Distance:	481.3 ft.	**Grade:**	0
Condition:	Tap Factory Made Active		
Remarks:	N/A		



Distance:	484.0 ft.	**Grade:**	0
Condition:	Repair Pipe Replaced		
Remarks:	PVC		



Distance:	533.1 ft.	**Grade:**	4
Condition:	Fracture Multiple		
Remarks:	N/A		

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PIPE EYES

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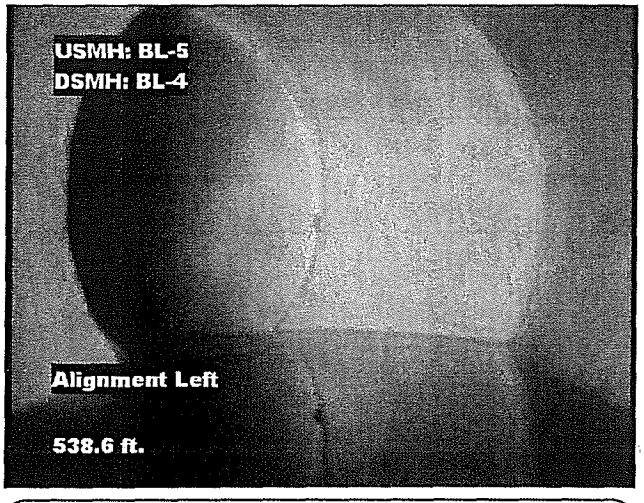
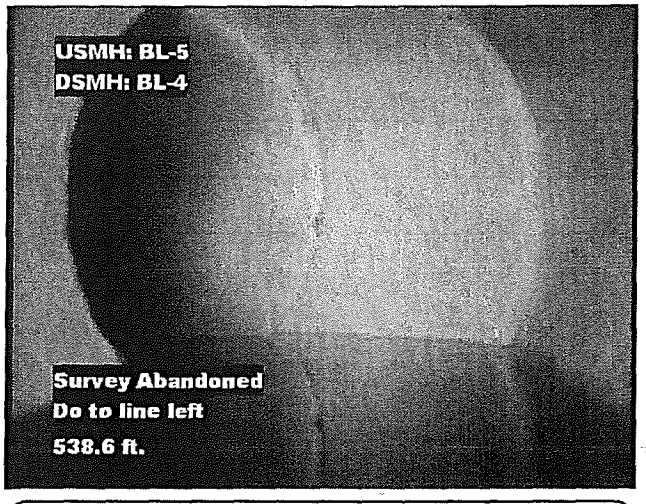
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_BL-4	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
BL-5			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-4	538.6		8	8		



Distance: 538.6 ft. **Grade:** 4
Condition: Alignment Left
Remarks: N/A



Distance: 538.6 ft. **Grade:** 0
Condition: Survey Abandoned
Remarks: Do to line left

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PIPE EYES

Defect Listing Plot Left

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_BL-4	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
BL-5			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-4	538.6		8	8		

SPR	25	MPR	34	PO Number	Customer: Camden Environmental
SPRI	2.5	MPRI	2.1		
QSR	5143	QMR	422A	Work Order	Purpose: Maintenance Related

OPR	Surveyed By	Direction	Date	Media label	
59	Jason_Crites	Downstream	20130808	1	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	Situation
2.3	U-907-5639	Jetting	09:01	Dry	
Result	Present	Date Cleaned	End Time	Additional Info	
		20130808	09:31		

BL-5

	Code:	Continuous:	Pos:	Val 1 / 2 :	% :	Gallons:
0.0 ft.	Access Point Manhole BL-5					
0.0 ft.	Water Level				5	
19.7 ft.	Surface Spalling Mechanical		11 - 12			
27.7 ft.	Water Level, Sag in pipe	Start S01			15	
48.1 ft.	Water Level, Sag in pipe End sag	End F01			15	
53.0 ft.	Deposits Attached Grease		9 - 10		5	
57.5 ft.	Water Level, Sag in pipe	Start S02			15	
88.1 ft.	Water Level, Sag in pipe End sag	End F02			15	
152.8 ft.	Roots Fine Joint		9 - 3			
158.3 ft.	Tap Factory Made Active		9	6		
193.8 ft.	Roots Fine Joint		11 - 1			
253.8 ft.	Tap Break-In Active		11	6		
255.2 ft.	Joint Separated Medium					
260.3 ft.	Fracture Circumferential		7 - 11			

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PIPE EYES

Defect Listing Plot Left

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
BL-5_BL-4	Hillview	Blue Lick	Vitrified Clay Pipe	Easement/R...	Sanitary

Upstream MH	Total Length	Year Laid	Shape	Location Details
BL-5			Circular	

DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
BL-4	538.6		8	8	

SPR	25	MPR	34	PO Number	Customer
SPRI	2.5	MPRI	2.1		Camden Environmental
QSR	5143	QMR	422A	Work Order	Purpose: Maintenance Related

OPR	Surveyed By	Direction	Date	Media label
59	Jason_Crites	Downstream	20130808	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather	Situation
2.3	U-907-5639	Jetting	09:01	Dry	

Result	Present	Date Cleaned	End Time	Additional Info
		20130808	09:31	

4	266.3 ft.	Fracture Multiple		12 - 12				
5	266.3 ft.	Hole Soil Visible		11 - 1				
	275.3 ft.	Tap Break-In Active		12	4			
4	308.5 ft.	Water Level, Sag in pipe				80		
4	365.0 ft.	Fracture Multiple		12 - 12				
	390.1 ft.	Tap Factory Made Active		12	4			
2	409.8 ft.	Fracture Circumferential		8 - 10				
	450.1 ft.	Tap Factory Made Capped		1	6			
	452.6 ft.	Tap Factory Made Capped		11	6			
1	477.9 ft.	Joint Offset Medium						
	477.9 ft.	Repair Pipe Replaced PVC	Start S03					
	481.3 ft.	Tap Factory Made Active		12	6			
	484.0 ft.	Repair Pipe Replaced PVC	End F03					
4	533.1 ft.	Fracture Multiple		12 - 12				
4	538.6 ft.	Alignment Left				45		
	538.6 ft.	Survey Abandoned Do to line left						

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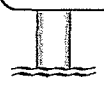
PIPE EYES

Defect Listing Plot Left

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_BL-4	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
BL-5			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-4	538.6		8	8		

SPR 25	MPR 34	PO Number		Customer	Camden Environmental
SPRI 2.5	MPRI 2.1	Work Order		Purpose	Maintenance Related
QSR 5143	QMR 422A				
OPR	Surveyed By	Direction	Date	Media label	
59	Jason_Crites	Downstream	20130808	1	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	Situation
2.3	U-907-5639	Jetting	09:01	Dry	
Result	Present	Date Cleaned	End Time	Additional Info	
		20130808	09:31		



PIPE EYES

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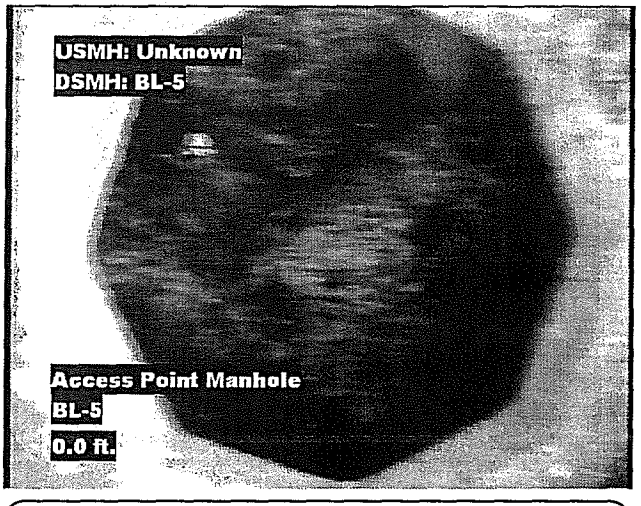
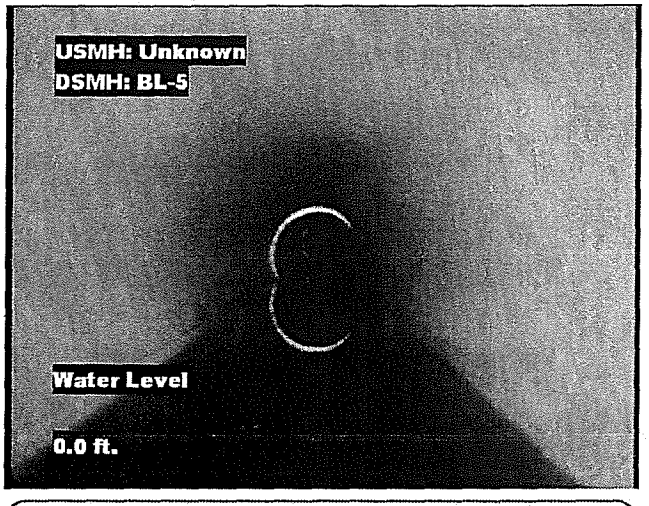
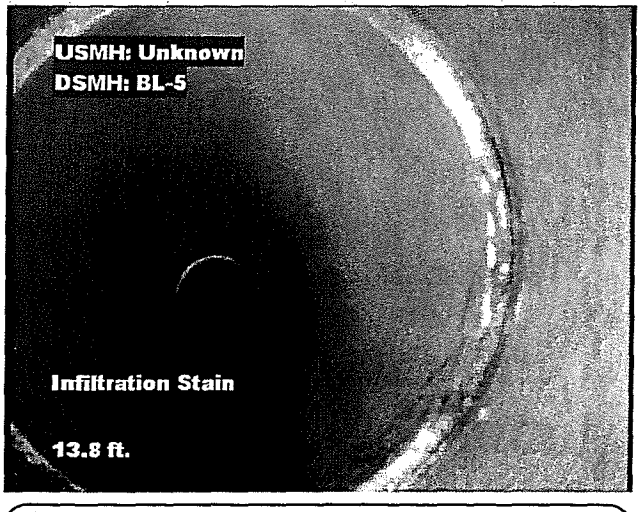
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_Unknown	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
Unknown			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-5	644.3		8	8		



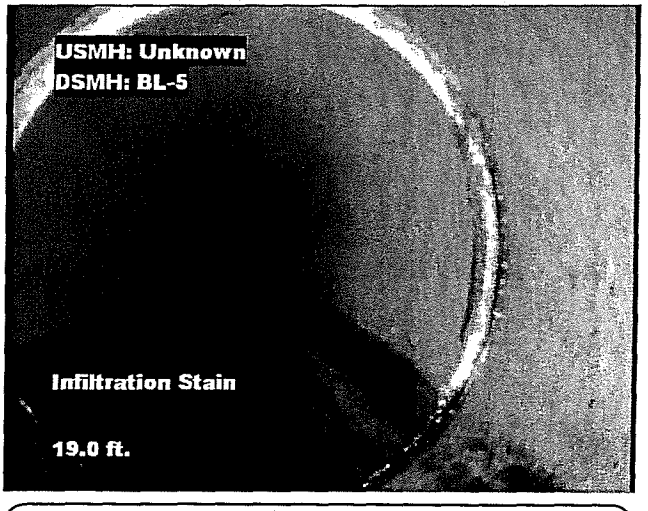
Distance: 0.0 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: BL-5



Distance: 0.0 ft. **Grade:** 2
Condition: Water Level
Remarks: N/A



Distance: 13.8 ft. **Grade:** 0
Condition: Infiltration Stain
Remarks: N/A



Distance: 19.0 ft. **Grade:** 0
Condition: Infiltration Stain
Remarks: N/A

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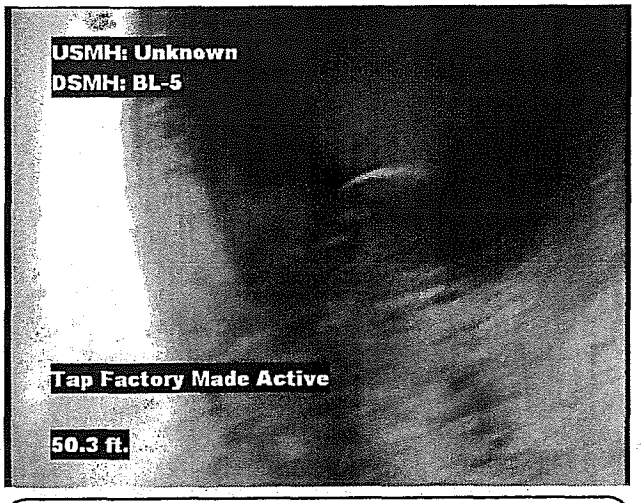
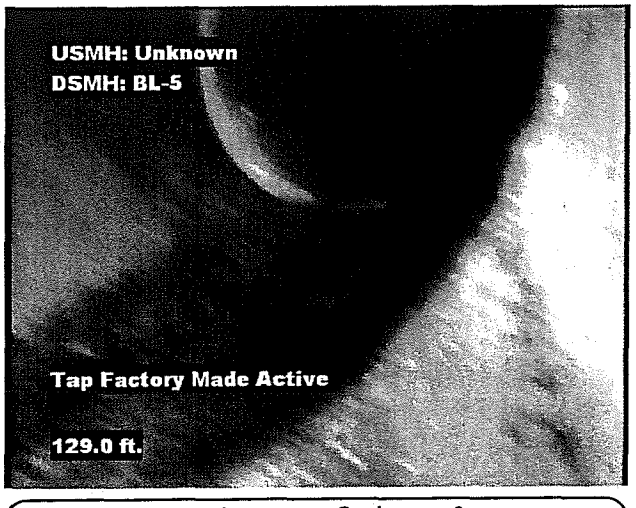
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_Unknown	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
Unknown			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-5	644.3		8	8		



Distance: 50.3 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A

Distance: 62.1 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 129.0 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A

Distance: 130.6 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A

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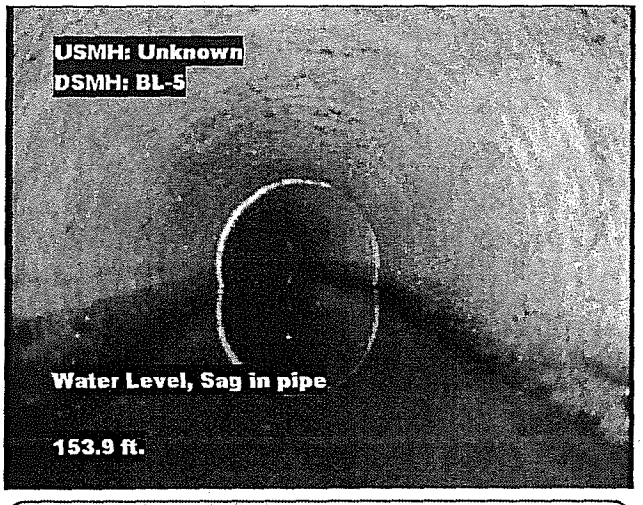
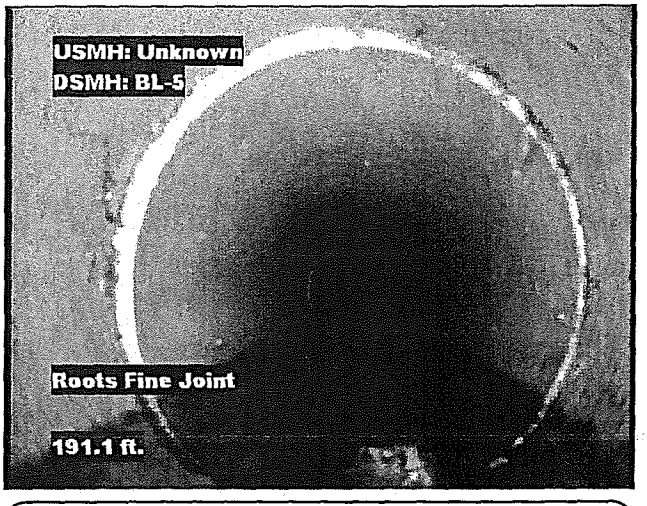
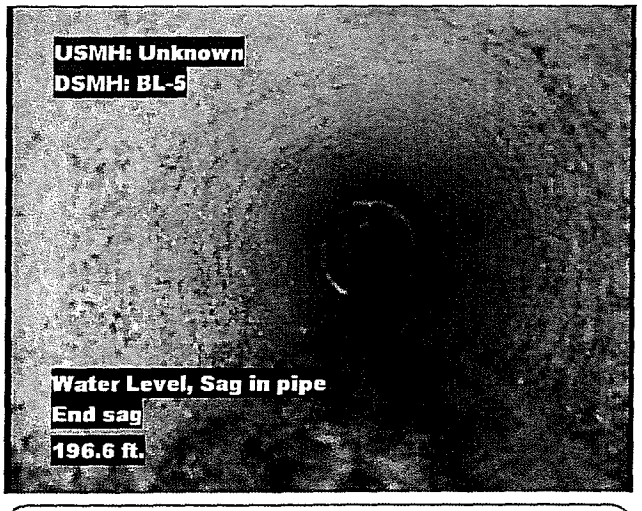
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_Unknown	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
Unknown			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-5	644.3		8	8		



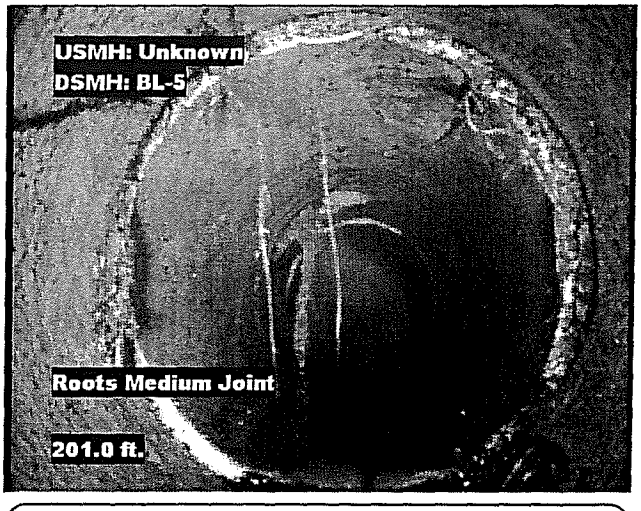
Distance: 153.9 ft. **Grade:** 2
Condition: Water Level, Sag in pipe
Remarks: N/A



Distance: 191.1 ft. **Grade:** 1
Condition: Roots Fine Joint
Remarks: N/A



Distance: 196.6 ft. **Grade:** 2
Condition: Water Level, Sag in pipe
Remarks: End sag



Distance: 201.0 ft. **Grade:** 3
Condition: Roots Medium Joint
Remarks: N/A

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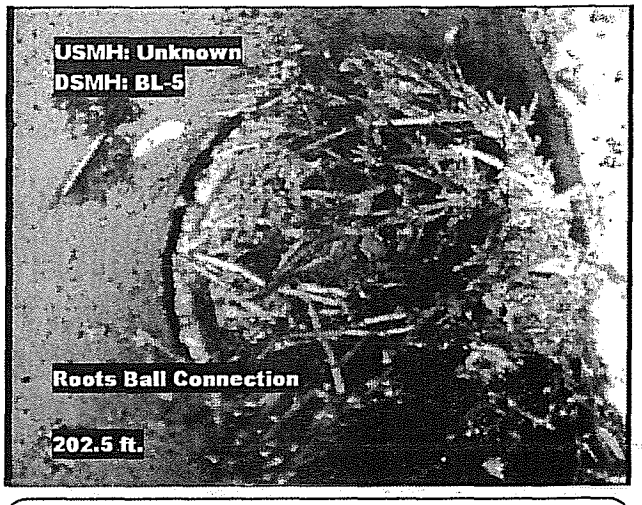
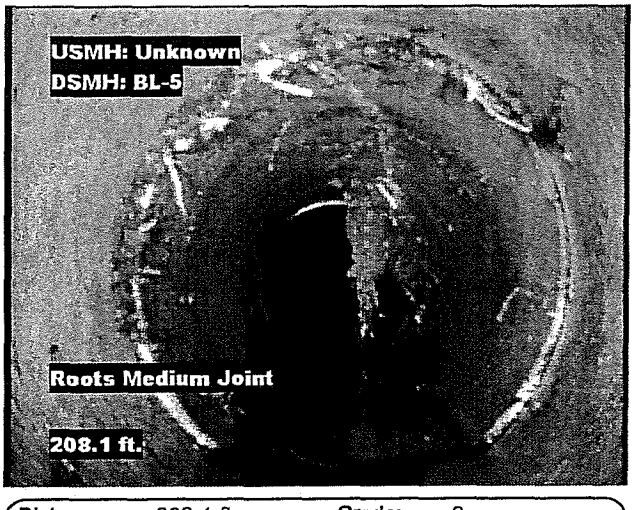
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_Unknown	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
Unknown			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-5	644.3		8	8		

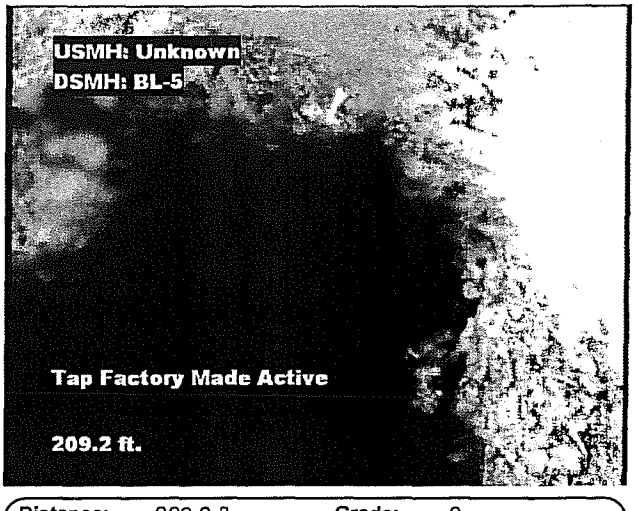
Distance: 202.5 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 202.5 ft. **Grade:** 4
Condition: Roots Ball Connection
Remarks: N/A



Distance: 208.1 ft. **Grade:** 3
Condition: Roots Medium Joint
Remarks: N/A



Distance: 209.2 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A

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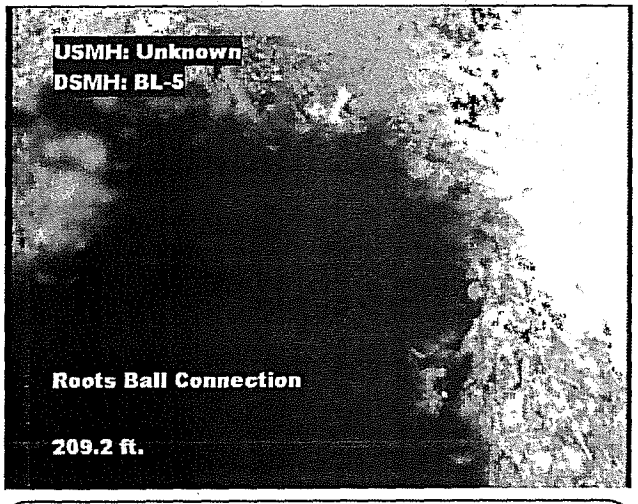
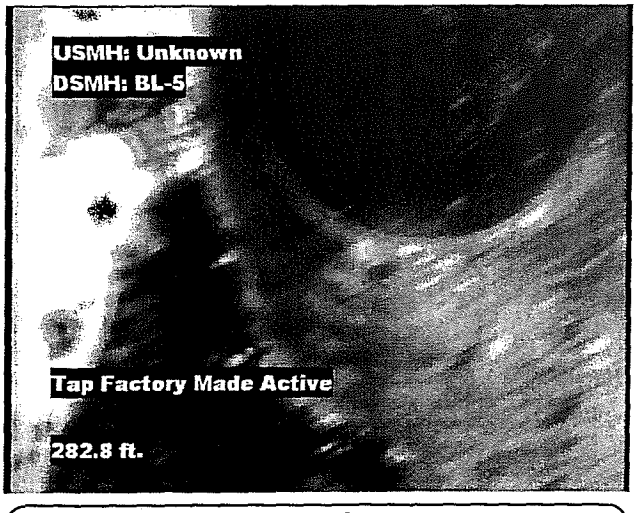
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_Unknown	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
Unknown			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-5	644.3		8	8		

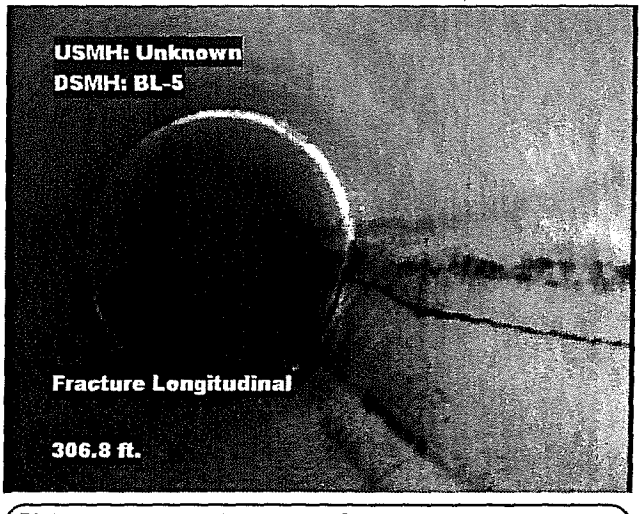


Distance: 209.2 ft. **Grade:** 4
Condition: Roots Ball Connection
Remarks: N/A

Distance: 280.8 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 282.8 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 306.8 ft. **Grade:** 3
Condition: Fracture Longitudinal
Remarks: N/A

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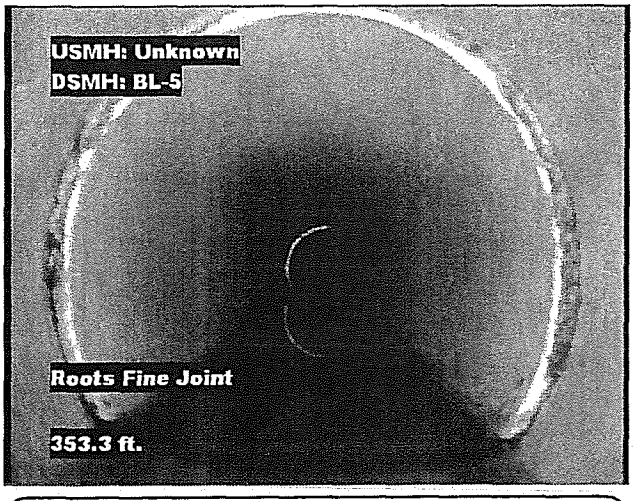
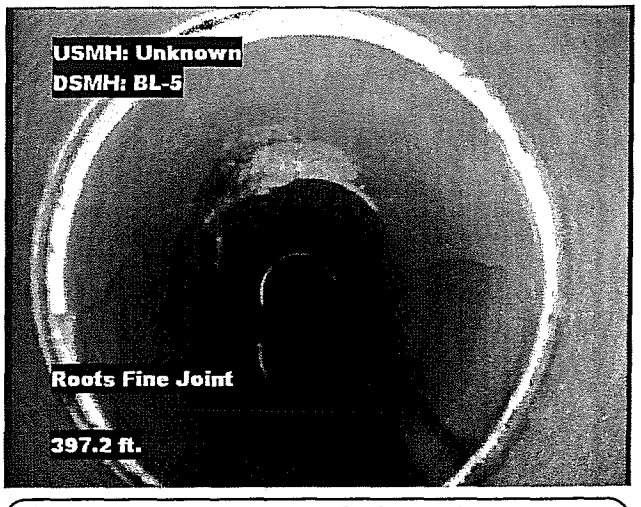
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_Unknown	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
Unknown			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-5	644.3		8	8		



Distance:	353.3 ft.	**Grade:**	1
Condition:	Roots Fine Joint		
Remarks:	N/A		

Distance:	364.6 ft.	**Grade:**	0
Condition:	Tap Factory Made Active		
Remarks:	N/A		

Distance:	366.5 ft.	**Grade:**	0
Condition:	Tap Factory Made Active		
Remarks:	N/A		



Distance:	397.2 ft.	**Grade:**	1
Condition:	Roots Fine Joint		
Remarks:	N/A		

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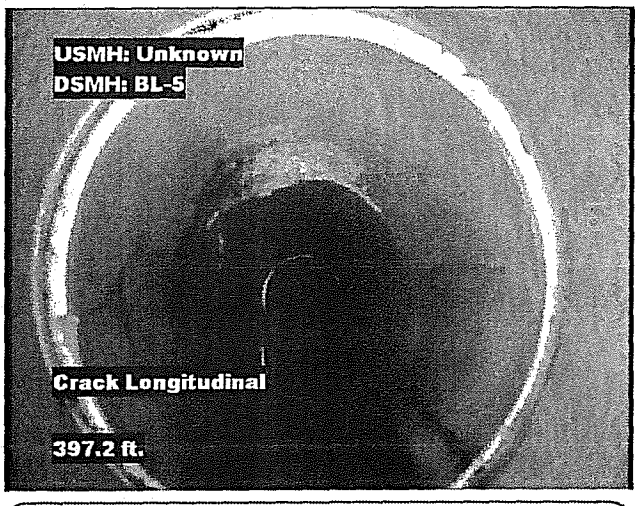
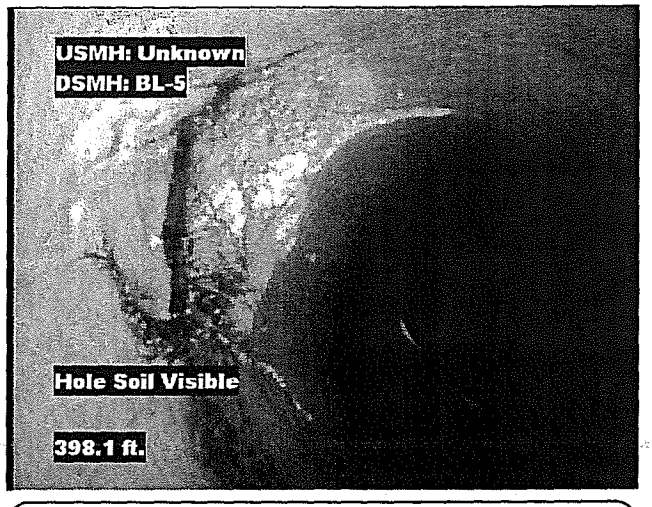
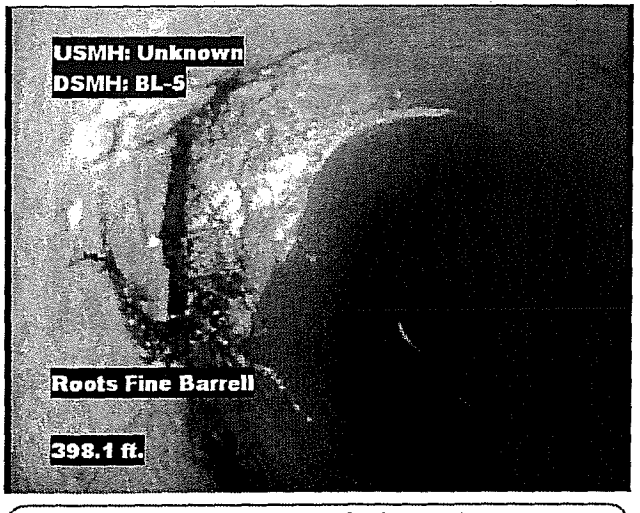
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_Unknown	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
Unknown			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-5	644.3		8	8		



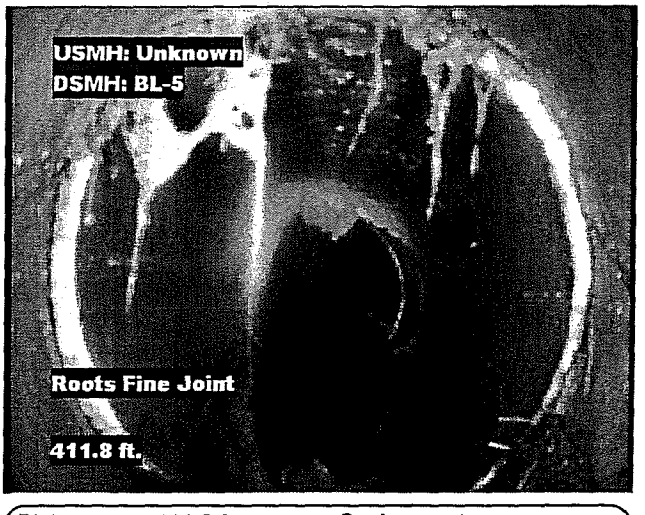
Distance: 397.2 ft. **Grade:** 2
Condition: Crack Longitudinal
Remarks: N/A



Distance: 398.1 ft. **Grade:** 5
Condition: Hole Soil Visible
Remarks: N/A



Distance: 398.1 ft. **Grade:** 2
Condition: Roots Fine Barrell
Remarks: N/A



Distance: 411.8 ft. **Grade:** 1
Condition: Roots Fine Joint
Remarks: N/A

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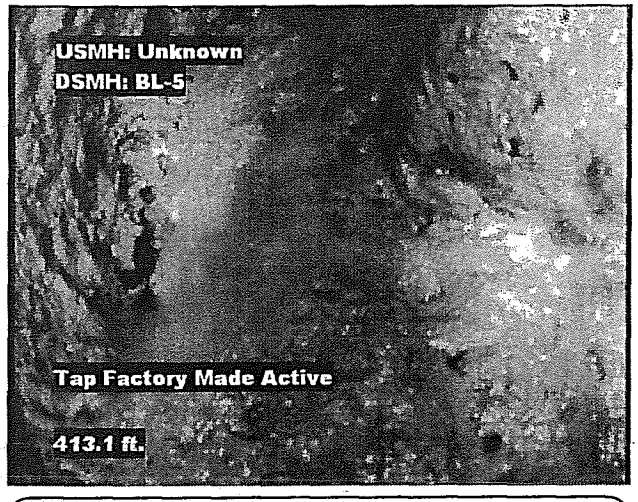
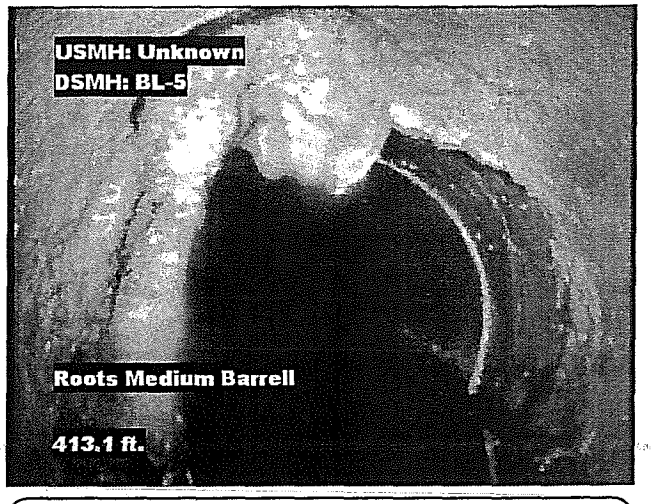
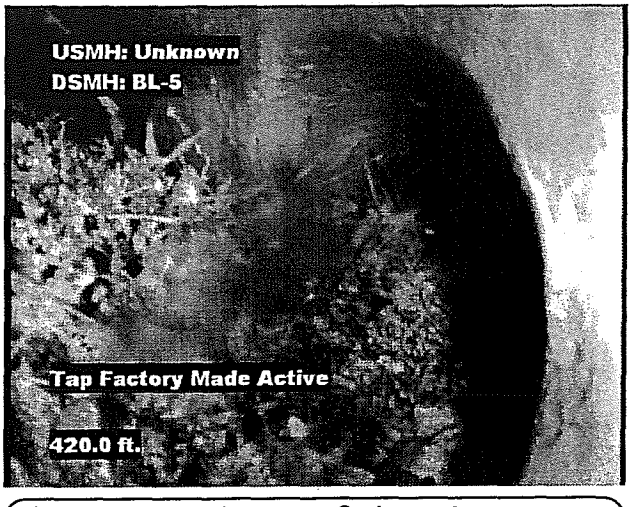
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_Unknown	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
Unknown			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-5	644.3		8	8		



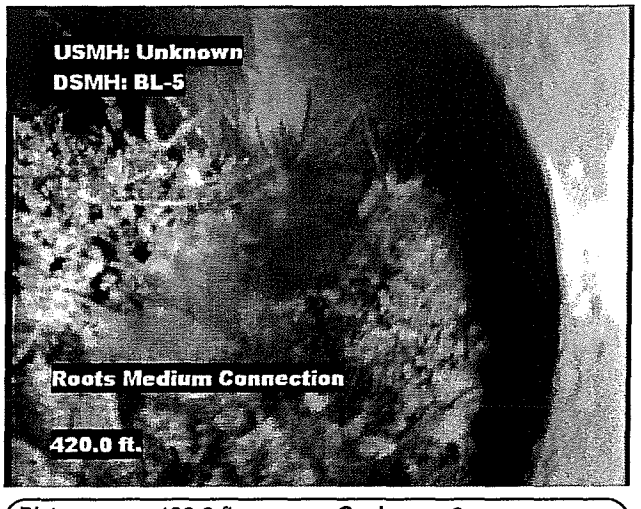
Distance: 413.1 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 413.1 ft. **Grade:** 1
Condition: Roots Medium Barrell
Remarks: N/A



Distance: 420.0 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 420.0 ft. **Grade:** 3
Condition: Roots Medium Connection
Remarks: N/A

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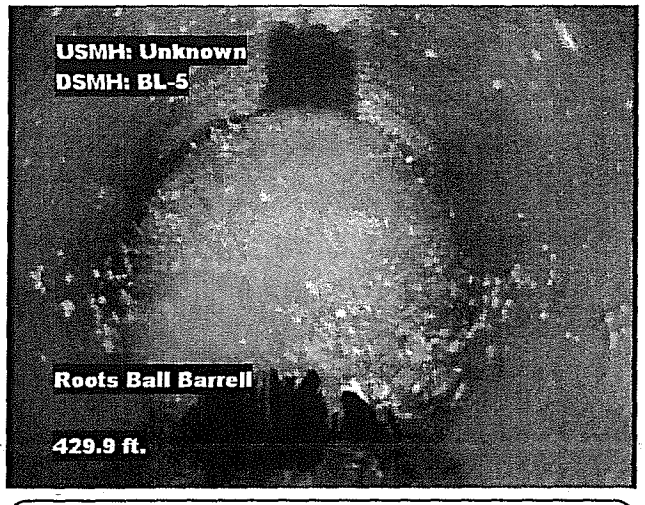
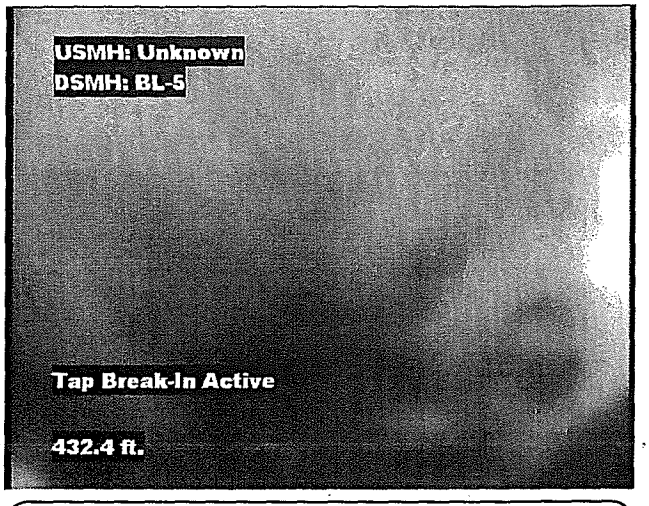
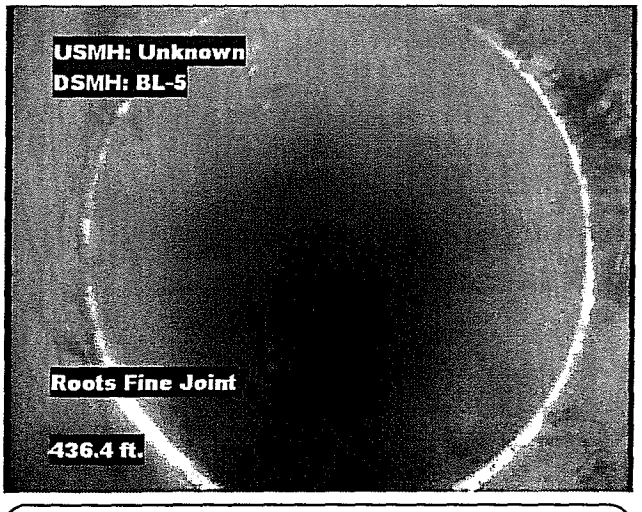
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_Unknown	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
Unknown			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-5	644.3		8	8		



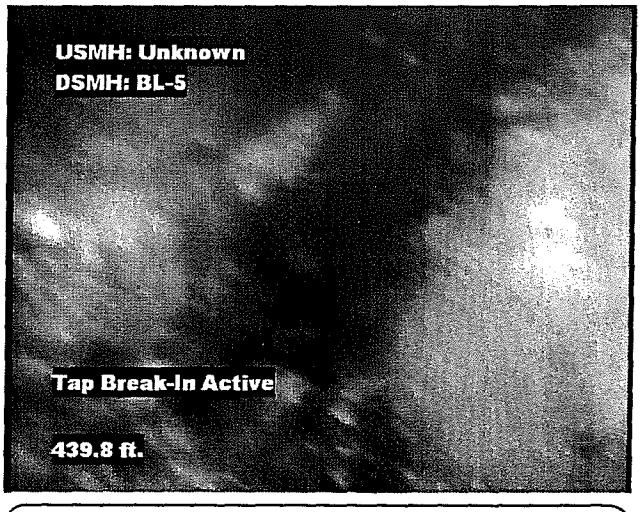
Distance: 429.9 ft. **Grade:** 5
Condition: Roots Ball Barrell
Remarks: N/A



Distance: 432.4 ft. **Grade:** 0
Condition: Tap Break-In Active
Remarks: N/A



Distance: 436.4 ft. **Grade:** 1
Condition: Roots Fine Joint
Remarks: N/A



Distance: 439.8 ft. **Grade:** 0
Condition: Tap Break-In Active
Remarks: N/A

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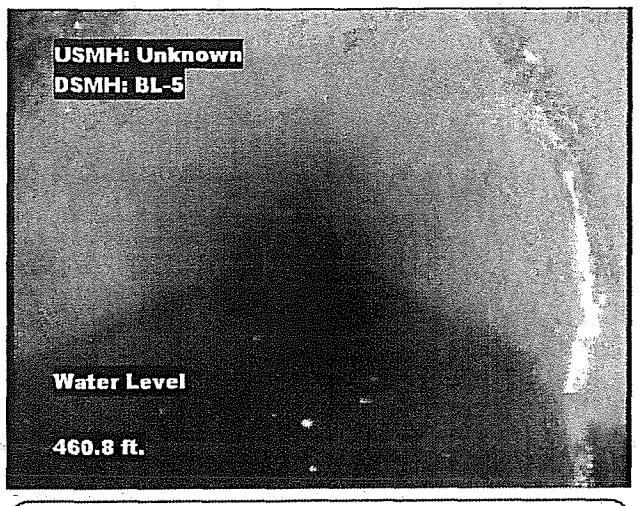
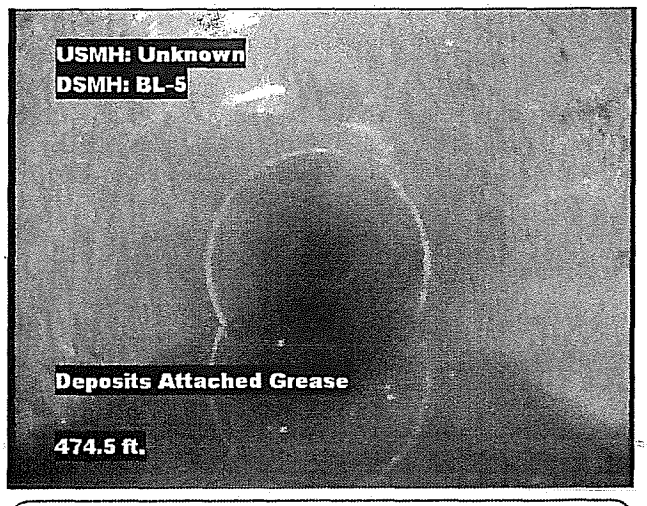
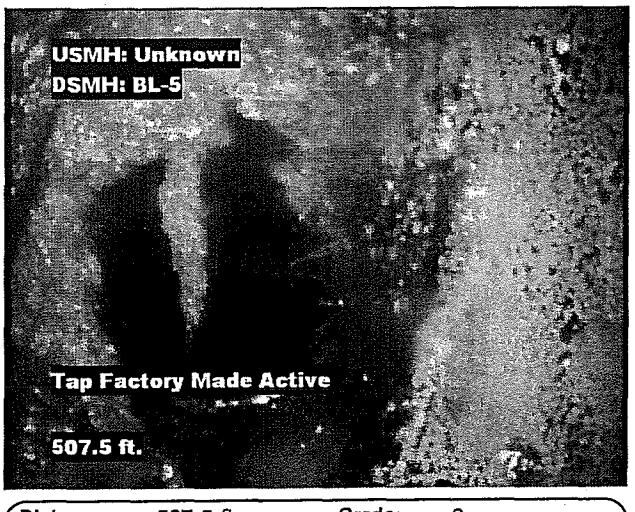
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_Unknown	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
Unknown			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-5	644.3		8	8		



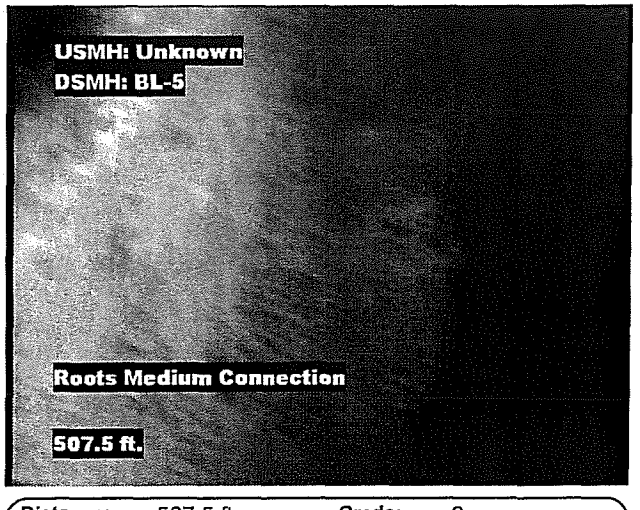
Distance: 460.8 ft. **Grade:** 2
Condition: Water Level
Remarks: N/A



Distance: 474.5 ft. **Grade:** 2
Condition: Deposits Attached Grease
Remarks: N/A



Distance: 507.5 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 507.5 ft. **Grade:** 3
Condition: Roots Medium Connection
Remarks: N/A

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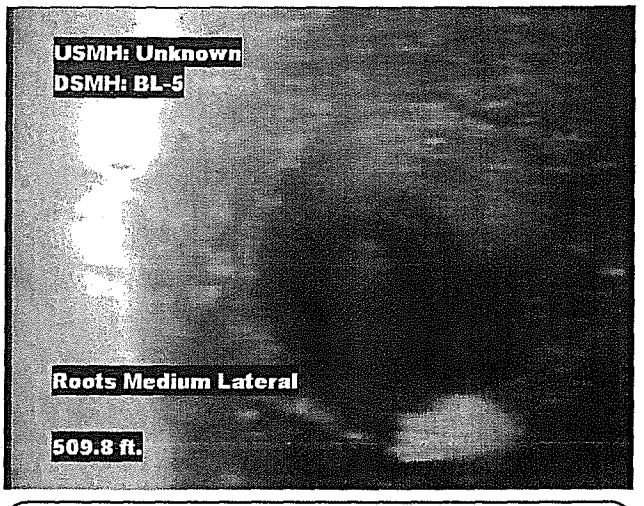
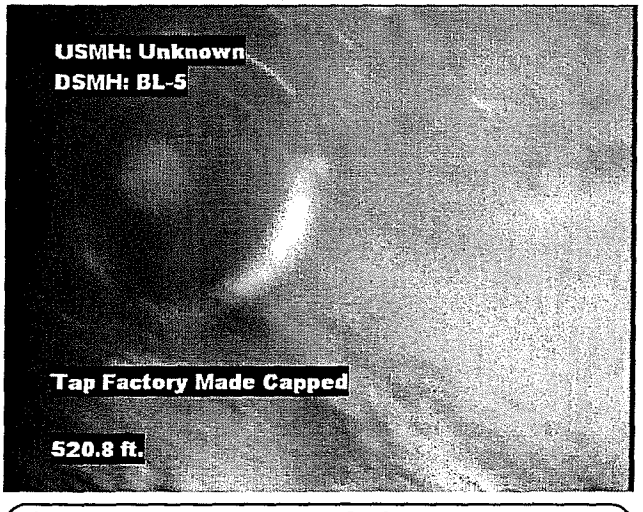
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_Unknown	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
Unknown			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-5	644.3		8	8		

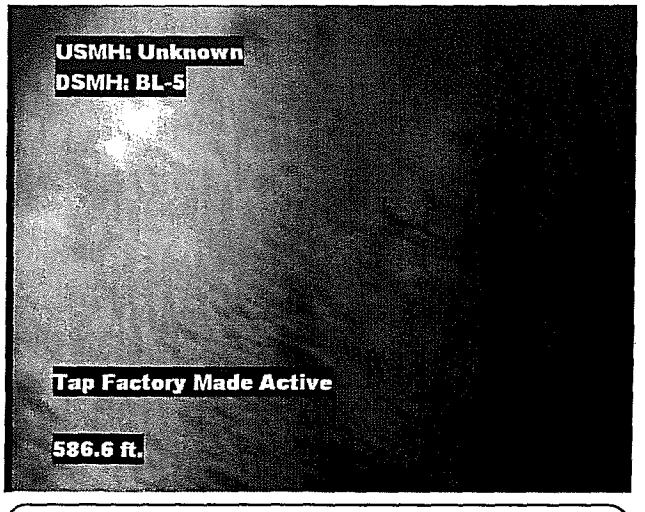
Distance: 509.8 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 509.8 ft. **Grade:** 3
Condition: Roots Medium Lateral
Remarks: N/A



Distance: 520.8 ft. **Grade:** 0
Condition: Tap Factory Made Capped
Remarks: N/A



Distance: 586.6 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A

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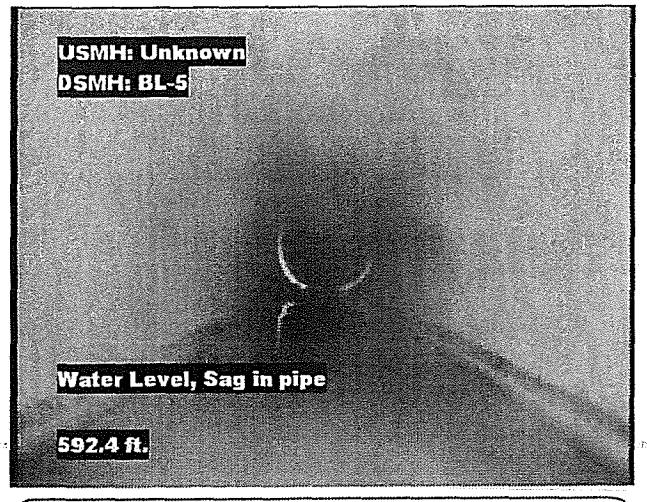
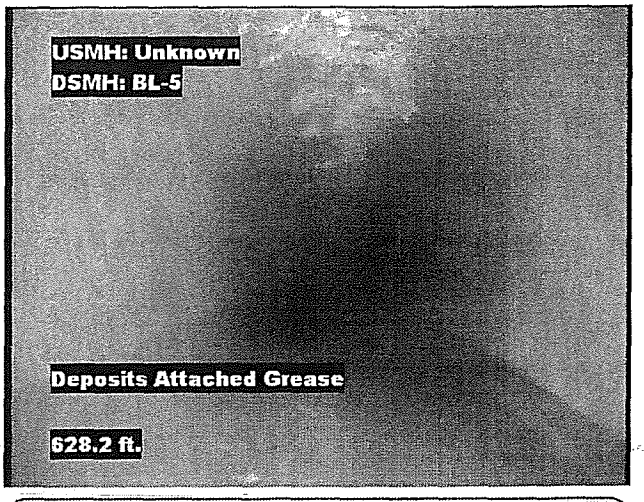
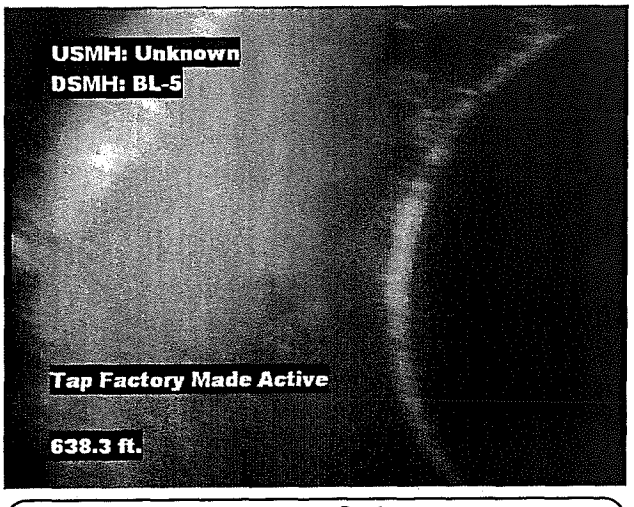
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_Unknown	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
Unknown			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-5	644.3		8	8		



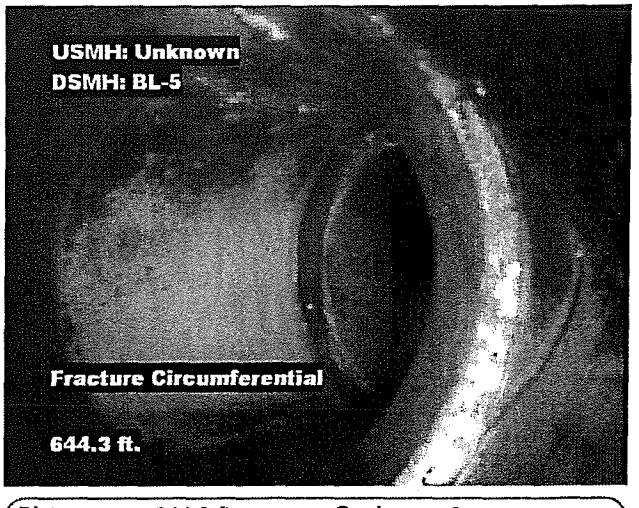
Distance: 592.4 ft. **Grade:** 2
Condition: Water Level, Sag in pipe
Remarks: N/A



Distance: 628.2 ft. **Grade:** 2
Condition: Deposits Attached Grease
Remarks: N/A



Distance: 638.3 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 644.3 ft. **Grade:** 2
Condition: Fracture Circumferential
Remarks: N/A

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PIPE EYES

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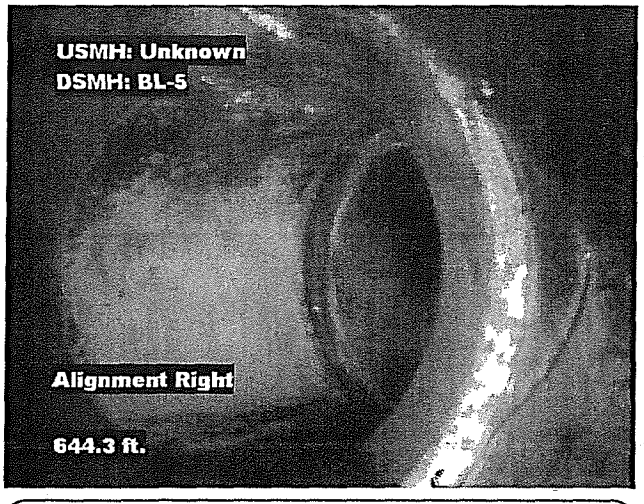
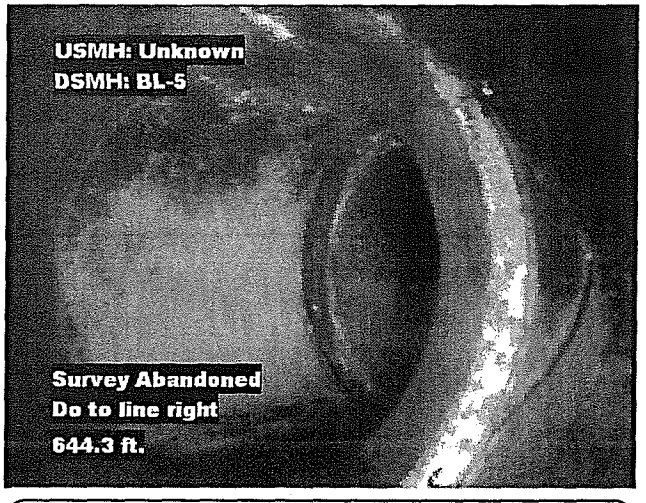
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_Unknown	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
Unknown			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-5	644.3		8	8		



Distance: 644.3 ft. **Grade:** 4
Condition: Alignment Right
Remarks: N/A



Distance: 644.3 ft. **Grade:** 0
Condition: Survey Abandoned
Remarks: Do to line right

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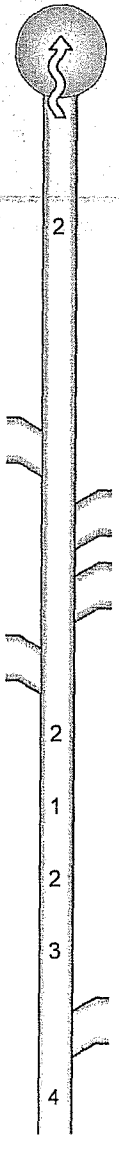
PIPE EYES

Defect Listing Plot Left

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_Unknown	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
Unknown			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-5	644.3		8	8		

SPR 12	MPR 68	PO Number		Customer	Camden Environmental
SPRI 3	MPRI 2.3	Work Order		Purpose	Maintenance Related
QSR 5131	QMR 5143				
OPR	Surveyed By	Direction	Date	Media label	
80	Jason_Crites	Upstream	20130808	1	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	Situation
2.4	U-907-5639	Jetting	10:25	Dry	
Result	Present	Date Cleaned	End Time	Additional Info	
		20130808	12:10		



BL-5

	Code:	Continuous:	Pos:	Val 1 / 2 :	% :	Gallons:
0.0 ft.	Access Point Manhole BL-5					
0.0 ft.	Water Level				5	
13.8 ft.	Infiltration Stain		2 - 4			
19.0 ft.	Infiltration Stain		2 - 4			
50.3 ft.	Tap Factory Made Active		1	4		
62.1 ft.	Tap Factory Made Active		10	4		
129.0 ft.	Tap Factory Made Active		11	4		
130.6 ft.	Tap Factory Made Active		1	4		
153.9 ft.	Water Level, Sag in pipe	Start S01			15	
191.1 ft.	Roots Fine Joint		8 - 4			
196.6 ft.	Water Level, Sag in pipe End sag	End F01			15	
201.0 ft.	Roots Medium Joint		8 - 4		15	
202.5 ft.	Tap Factory Made Active		11	4		
202.5 ft.	Roots Ball Connection		12 - 12		90	

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PIPE EYES

Defect Listing Plot Left

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
BL-5_Unknown	Hillview	Blue Lick	Vitrified Clay Pipe	Easement/R...	Sanitary

Upstream MH	Total Length	Year Laid	Shape	Location Details
Unknown			Circular	

DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-5	644.3		8	8		

SPR	12	MPR	68	PO Number	Customer
					Camden Environmental
SPRI	3	MPRI	2.3	Work Order	Purpose
QSR	5131	QMR	5143		Maintenance Related

OPR	Surveyed By	Direction	Date	Media label
80	Jason_Crites	Upstream	20130808	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather	Situation
2.4	U-907-5639	Jetting	10:25	Dry	

Result	Present	Date Cleaned	End Time	Additional Info
		20130808	12:10	

3	208.1 ft.	Roots Medium Joint	7 - 5		10		
	209.2 ft.	Tap Factory Made Active	1	4			
4	209.2 ft.	Roots Ball Connection	12 - 12		90		
	280.8 ft.	Tap Factory Made Active	11	6			
	282.8 ft.	Tap Factory Made Active	1	4			
3	306.8 ft.	Fracture Longitudinal	6				
1	353.3 ft.	Roots Fine Joint	7 - 5				
	364.6 ft.	Tap Factory Made Active	10	4			
	366.5 ft.	Tap Factory Made Active	2	4			
1	397.2 ft.	Roots Fine Joint	8 - 11				
2	397.2 ft.	Crack Longitudinal	9				
5	398.1 ft.	Hole Soil Visible	10 - 2				
2	398.1 ft.	Roots Fine Barrell	10 - 2				
1	411.8 ft.	Roots Fine Joint	7 - 5				
	413.1 ft.	Tap Factory Made Active	11	4			
1	413.1 ft.	Roots Medium Barrell	7 - 5		10		

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PIPE EYES

Defect Listing Plot Left

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
BL-5_Unknown	Hillview	Blue Lick	Vitrified Clay Pipe	Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape	Location Details	
Unknown			Circular		
DS Manhole	Length surveyed	Year Renewed	Height / Width	Pipe Joint...	
BL-5	644.3		8 / 8		

SPR 12	MPR 68	PO Number	Customer: Camden Environmental
SPRI 3	MPRI 2.3	Work Order	Purpose: Maintenance Related
QSR 5131	QMR 5143		

OPR	Surveyed By	Direction	Date	Media label	
80	Jason_Crites	Upstream	20130808	1	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	Situation
2.4	U-907-5639	Jetting	10:25	Dry	
Result	Present	Date Cleaned	End Time	Additional Info	
		20130808	12:10		

420.0 ft.	Tap Factory Made Active	2	4			
420.0 ft.	Roots Medium Connection	7 - 5		30		3
429.9 ft.	Roots Ball Barrell	7 - 5		95		5
432.4 ft.	Tap Break-In Active	1	4			
436.4 ft.	Roots Fine Joint	7 - 5				1
439.8 ft.	Tap Break-In Active	12	4			
460.8 ft.	Water Level			30		2
474.5 ft.	Deposits Attached Grease	10 - 2		5		2
507.5 ft.	Tap Factory Made Active	10	4			
507.5 ft.	Roots Medium Connection	7 - 2		10		3
509.8 ft.	Tap Factory Made Active	2	4			
509.8 ft.	Roots Medium Lateral	6 - 2		50		3
520.8 ft.	Tap Factory Made Capped	12	6			
586.6 ft.	Tap Factory Made Active	11	4			
592.4 ft.	Water Level, Sag in pipe			20		2
628.2 ft.	Deposits Attached Grease	10 - 2		5		2

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PIPE EYES

Defect Listing Plot Left

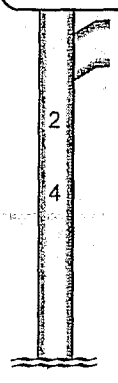
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-5_Unknown	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
Unknown			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-5	644.3		8	8		

SPR	12	MPR	68	PO Number	Customer: Camden Environmental
SPRI	3	MPRI	2.3	Work Order	Purpose: Maintenance Related
QSR	5131	QMR	5143		

OPR	Surveyed By	Direction	Date	Media label
80	Jason_Crites	Upstream	20130808	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather	Situation
2.4	U-907-5639	Jetting	10:25	Dry	

Result	Present	Date Cleaned	End Time	Additional Info
		20130808	12:10	



638.3 ft.	Tap Factory Made Active			10	4		
644.3 ft.	Fracture Circumferential			2 - 4			
644.3 ft.	Alignment Right					45	
644.3 ft.	Survey Abandoned Do to line right						

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PIPE EYES

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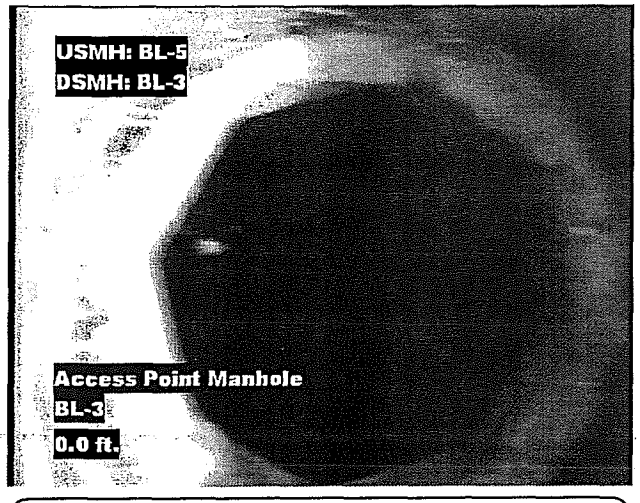
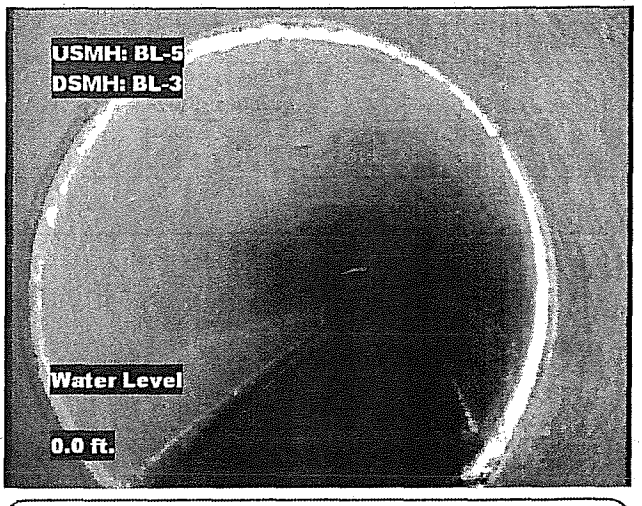
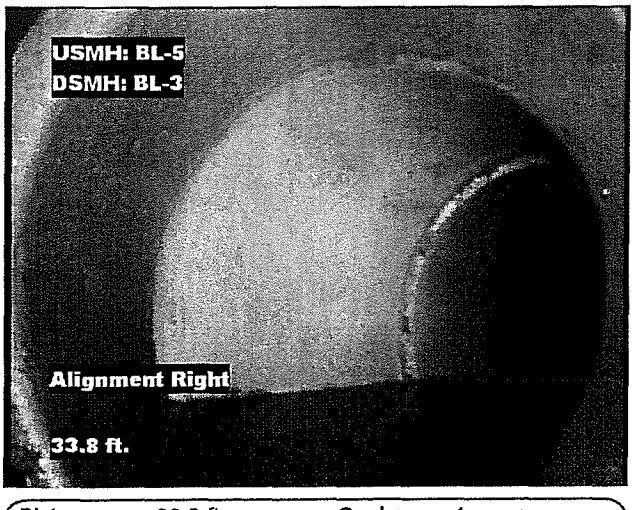
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-3_BL-5	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
BL-5			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-3	33.8		8	8		



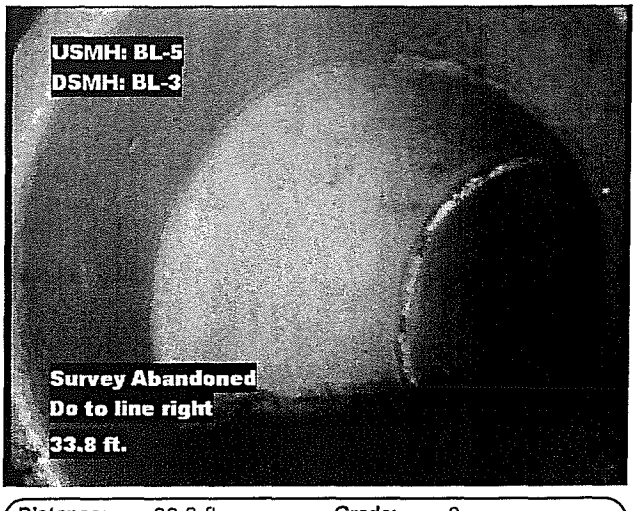
Distance:	0.0 ft.	**Grade:**	0
Condition:	Access Point Manhole		
Remarks:	BL-3		



Distance:	0.0 ft.	**Grade:**	2
Condition:	Water Level		
Remarks:	N/A		



Distance:	33.8 ft.	**Grade:**	4
Condition:	Alignment Right		
Remarks:	N/A		



Distance:	33.8 ft.	**Grade:**	0
Condition:	Survey Abandoned		
Remarks:	Do to line right		

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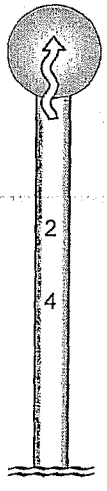
PIPE EYES

Defect Listing Plot Left

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-3_BL-5	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
BL-5			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-3	33.8		8	8		

SPR	N/A	MPR	6	PO Number	Customer: Camden Environmental
SPRI	N/A	MPRI	3	Work Order	Purpose: Maintenance Related
QSR	N/A	QMR	4121		

OPR	Surveyed By	Direction	Date	Media label	
6	Jason_Crites	Upstream	20130808	1	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	Situation
3	U-907-5639	Jetting	12:59	Dry	
Result	Present	Date Cleaned	End Time	Additional Info	
		20130808	13:04		



BL-3

	Code:	Continuous:	Pos:	Val 1 / 2 :	% :	Gallons:
0.0 ft.	Access Point Manhole BL-3					
0.0 ft.	Water Level				5	
33.8 ft.	Alignment Right				45	
33.8 ft.	Survey Abandoned Do to line right					

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PIPE EYES

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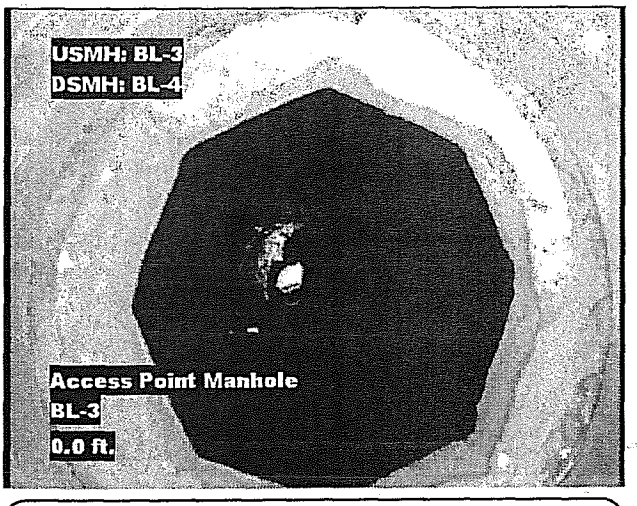
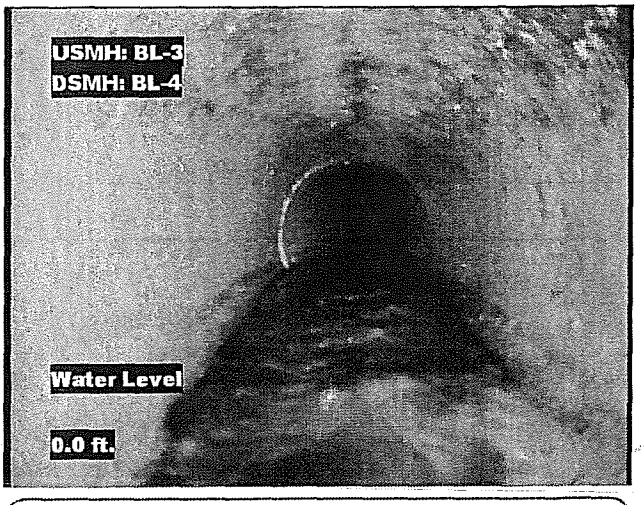
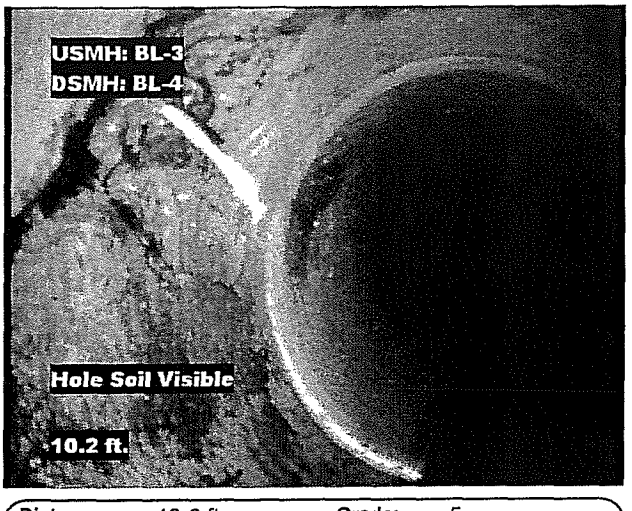
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-3_BL-4	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
BL-3			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-4	253.6		8	8		



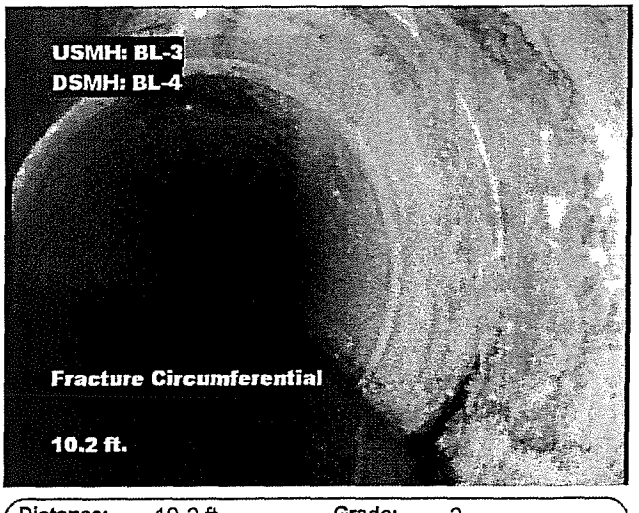
Distance: 0.0 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: BL-3



Distance: 0.0 ft. **Grade:** 2
Condition: Water Level
Remarks: N/A



Distance: 10.2 ft. **Grade:** 5
Condition: Hole Soil Visible
Remarks: N/A



Distance: 10.2 ft. **Grade:** 2
Condition: Fracture Circumferential
Remarks: N/A

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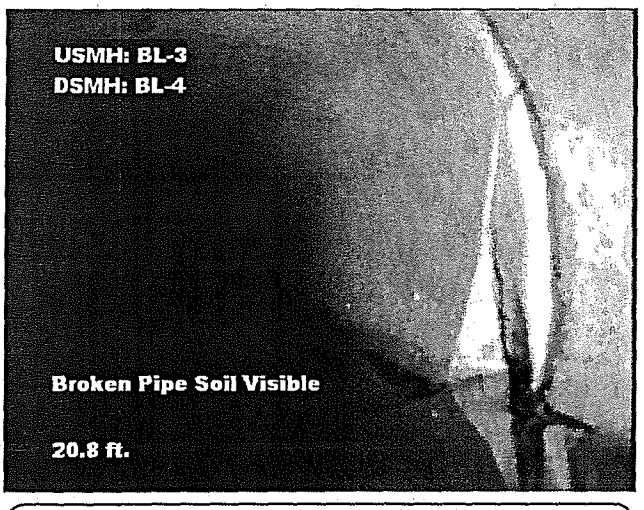
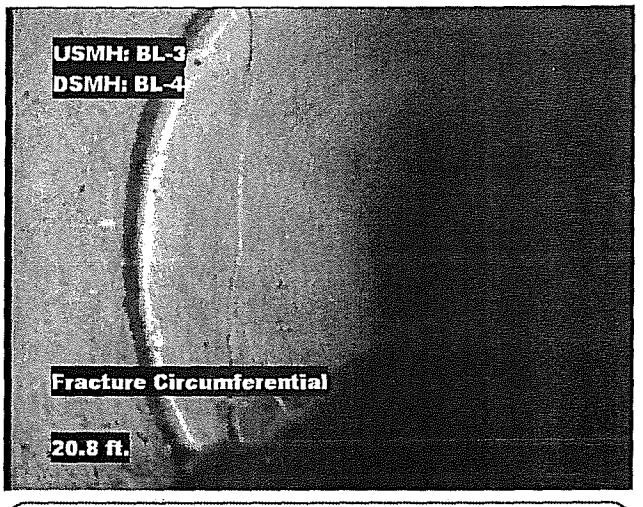
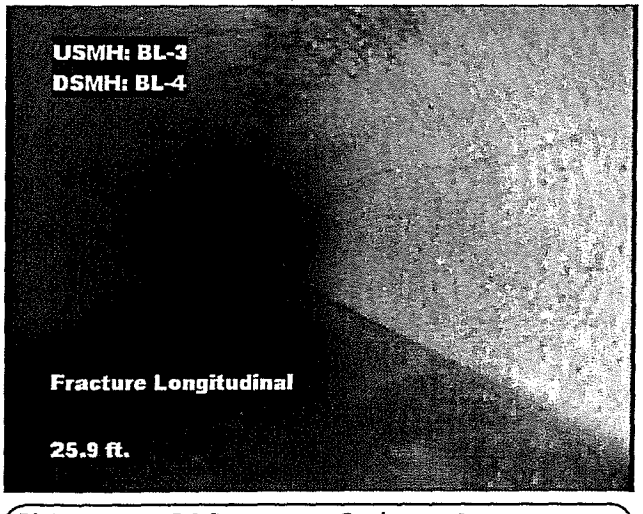
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-3_BL-4	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
BL-3			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-4	253.6		8	8		



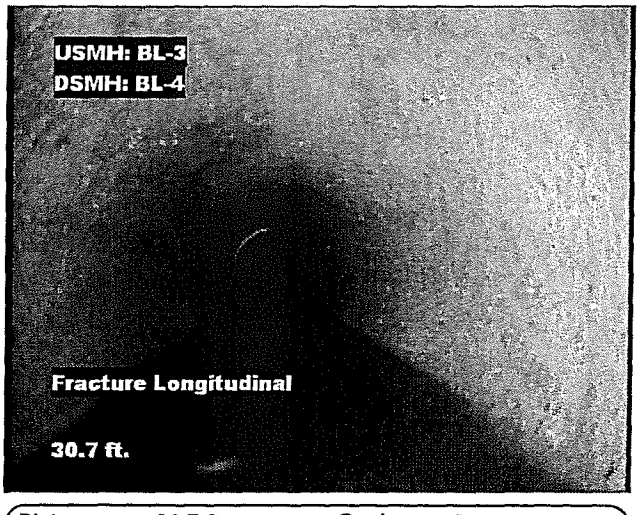
Distance: 20.8 ft. **Grade:** 5
Condition: Broken Pipe Soil Visible
Remarks: N/A



Distance: 20.8 ft. **Grade:** 2
Condition: Fracture Circumferential
Remarks: N/A



Distance: 25.9 ft. **Grade:** 3
Condition: Fracture Longitudinal
Remarks: N/A



Distance: 30.7 ft. **Grade:** 3
Condition: Fracture Longitudinal
Remarks: N/A

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PIPE EYES

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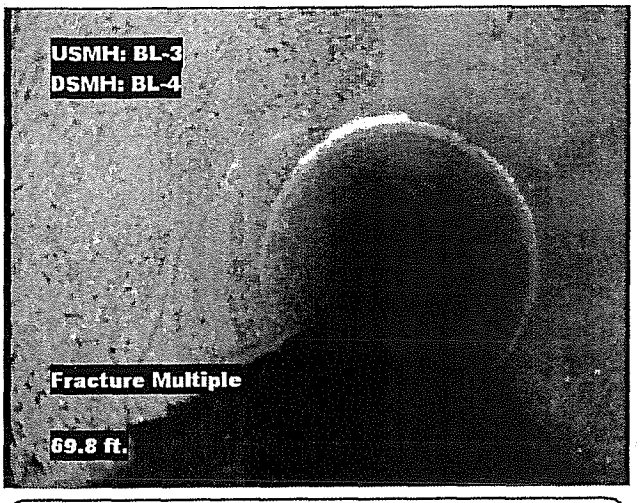
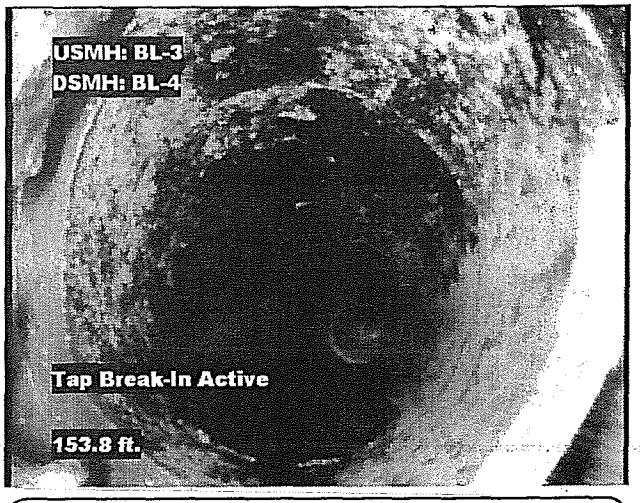
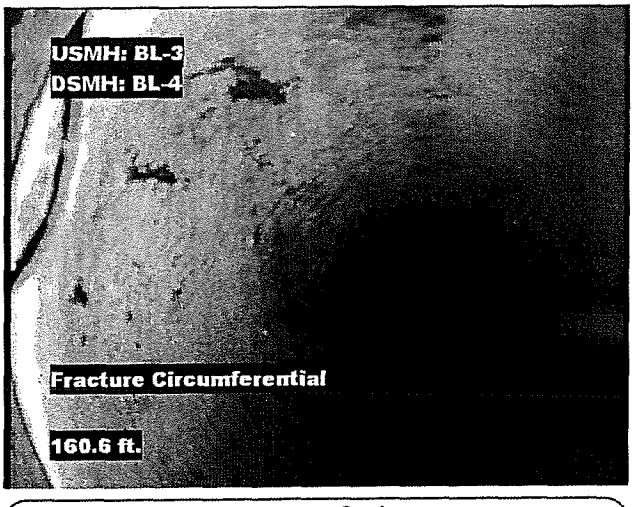
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-3_BL-4	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
BL-3			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-4	253.6		8	8		



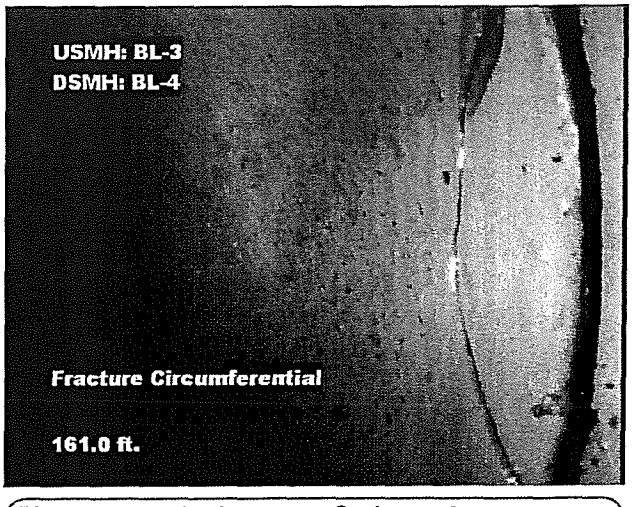
Distance: 69.8 ft. **Grade:** 4
Condition: Fracture Multiple
Remarks: N/A



Distance: 153.8 ft. **Grade:** 0
Condition: Tap Break-In Active
Remarks: N/A



Distance: 160.6 ft. **Grade:** 2
Condition: Fracture Circumferential
Remarks: N/A



Distance: 161.0 ft. **Grade:** 2
Condition: Fracture Circumferential
Remarks: N/A

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PIPE EYES

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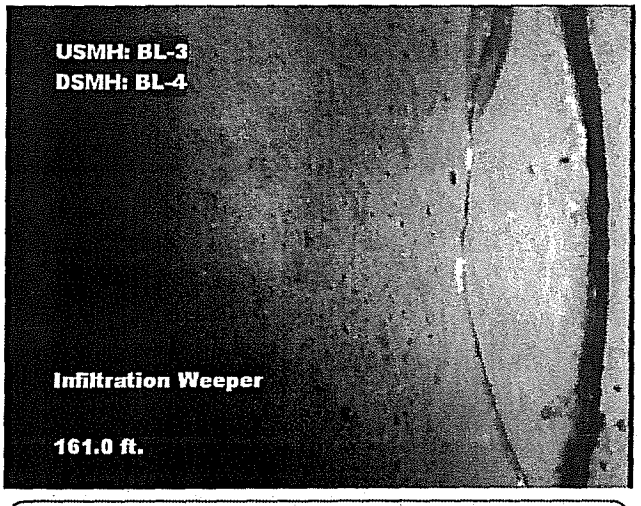
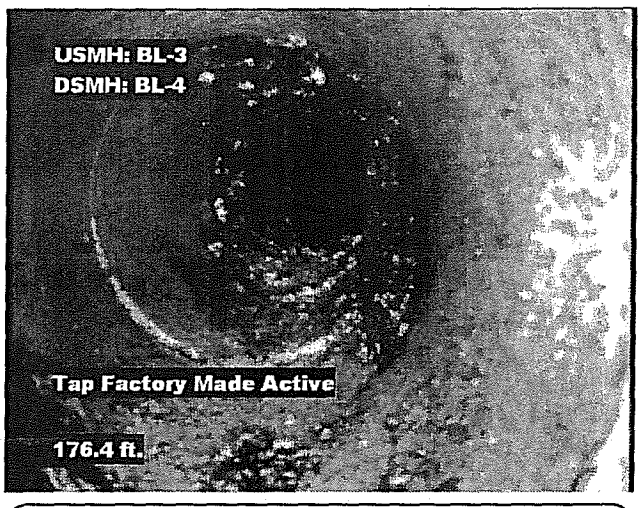
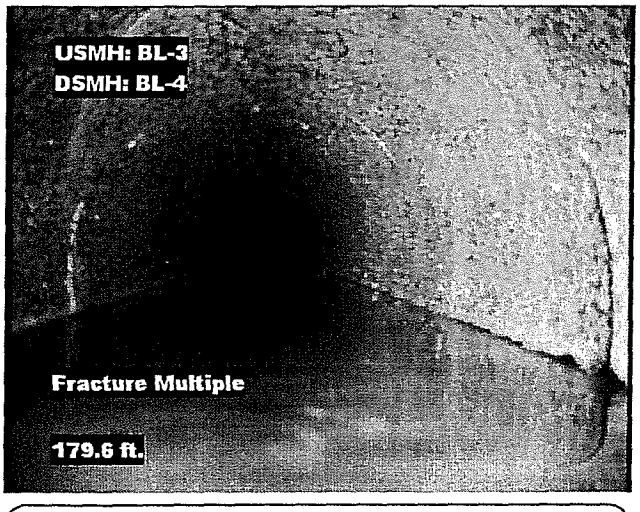
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-3_BL-4	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
BL-3			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-4	253.6		8	8		



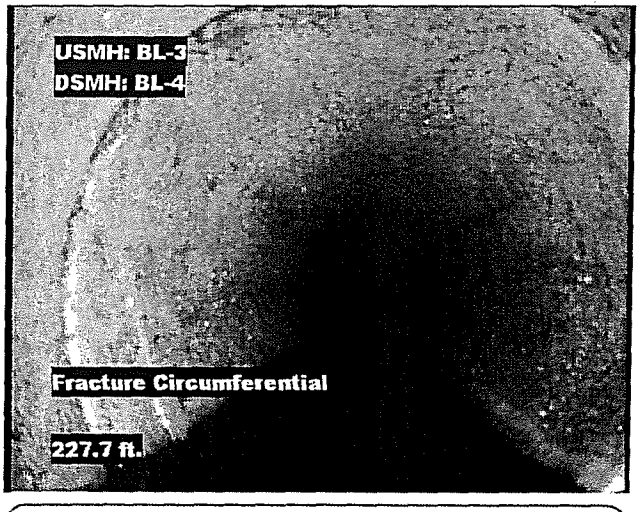
Distance: 161.0 ft. **Grade:** 2
Condition: Infiltration Weeper
Remarks: N/A



Distance: 176.4 ft. **Grade:** 0
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 179.6 ft. **Grade:** 4
Condition: Fracture Multiple
Remarks: N/A



Distance: 227.7 ft. **Grade:** 2
Condition: Fracture Circumferential
Remarks: N/A

Pipe Eyes
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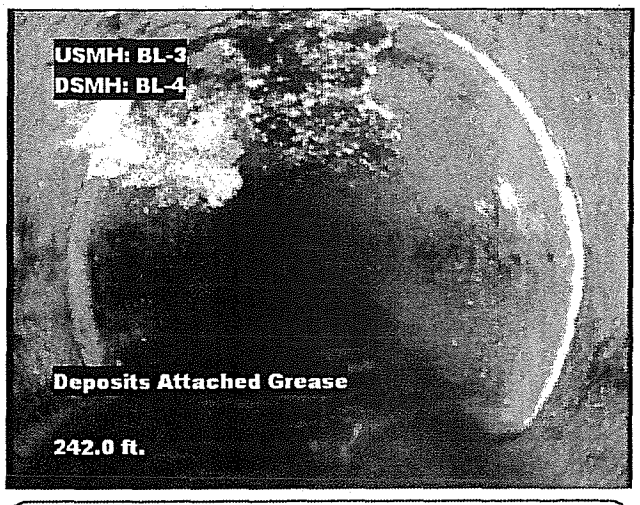
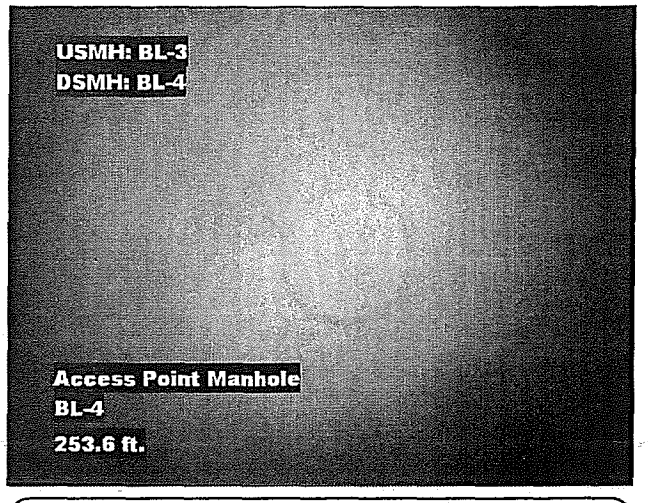
PIPE EYES

Image Report 4/Page

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-3_BL-4	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
BL-3			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-4	253.6		8	8		



Distance: 242.0 ft. **Grade:** 2
Condition: Deposits Attached Grease
Remarks: N/A



Distance: 253.6 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: BL-4

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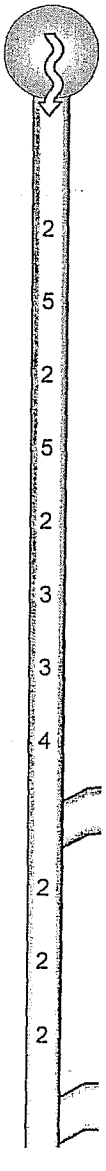
PIPE EYES

Defect Listing Plot Left

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-3_BL-4	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
BL-3			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-4	253.6		8	8		

SPR	31	MPR	6	PO Number	Customer: Camden Environmental
SPRI	3.1	MPRI	2	Work Order	Purpose: Maintenance Related
QSR	5242	QMR	2300		

OPR	Surveyed By	Direction	Date	Media label	
37	Jason_Crites	Downstream	20130809	1	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	Situation
2.8	U-907-5639	Jetting	09:55	Dry	
Result	Present	Date Cleaned	End Time	Additional Info	
		20130809	10:13		



BL-3

	Code:	Continuous:	Pos:	Val 1 / 2 :	% :	Gallons:
0.0 ft.	Access Point Manhole BL-3					
0.0 ft.	Water Level				5	
10.2 ft.	Hole Soil Visible		11 - 1			
10.2 ft.	Fracture Circumferential		12 - 5			
20.8 ft.	Broken Pipe Soil Visible		2 - 5			
20.8 ft.	Fracture Circumferential		7 - 11			
25.9 ft.	Fracture Longitudinal	Start S01	3			
30.7 ft.	Fracture Longitudinal	End F01	3			
69.8 ft.	Fracture Multiple		6 - 11			
153.8 ft.	Tap Break-In Active		12	4		
160.6 ft.	Fracture Circumferential		11 - 12			
161.0 ft.	Fracture Circumferential		2 - 5			
161.0 ft.	Infiltration Weeper		2 - 5			
176.4 ft.	Tap Factory Made Active		12	6		

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PIPE EYES

Defect Listing Plot Left

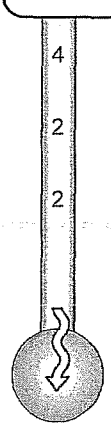
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-3_BL-4	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
BL-3			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint..	
BL-4	253.6		8	8		

SPR	31	MPR	6	PO Number	Customer: Camden Environmental
SPRI	3.1	MPRI	2	Work Order	Purpose: Maintenance Related
QSR	5242	QMR	2300		

OPR	Surveyed By	Direction	Date	Media label
37	Jason_Crites	Downstream	20130809	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather	Situation
2.8	U-907-5639	Jetting	09:55	Dry	

Result	Present	Date Cleaned	End Time	Additional Info
		20130809	10:13	



4	179.6 ft.	Fracture Multiple	12 - 12			
2	227.7 ft.	Fracture Circumferential	7 - 9			
2	242.0 ft.	Deposits Attached Grease	10 - 2		5	
	253.6 ft.	Access Point Manhole BL-4				

BL-4

Pipe Eyes
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PIPE EYES

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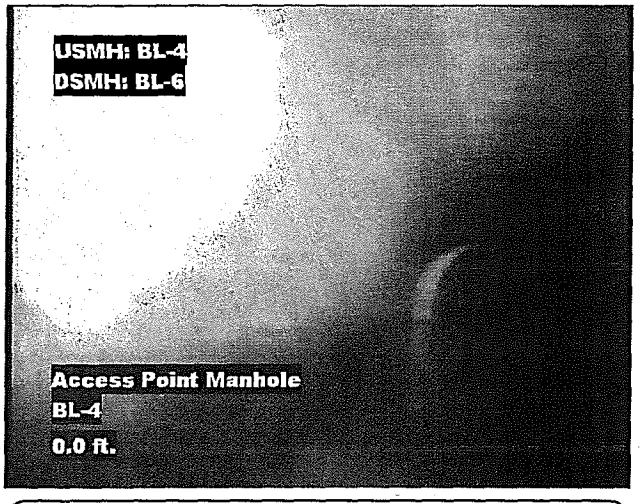
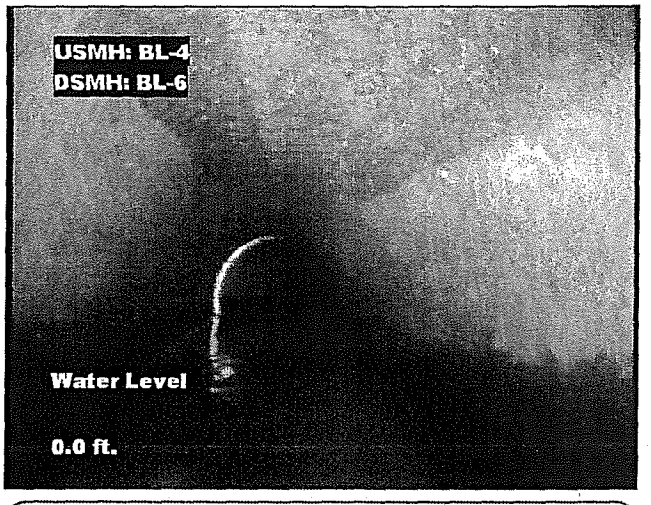
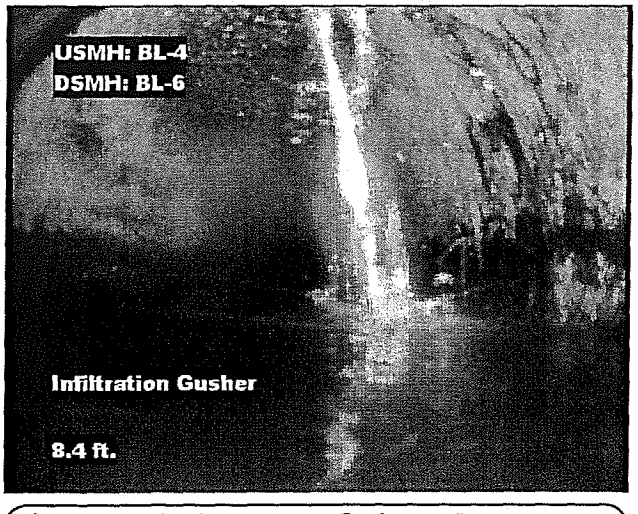
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-4_BL-6	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
BL-4			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-6	153.5		8	8		



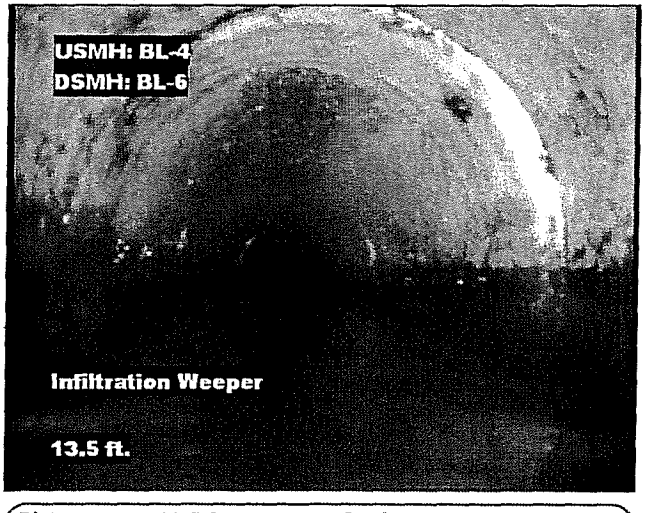
Distance: 0.0 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: BL-4



Distance: 0.0 ft. **Grade:** 2
Condition: Water Level
Remarks: N/A



Distance: 8.4 ft. **Grade:** 5
Condition: Infiltration Gusher
Remarks: N/A



Distance: 13.5 ft. **Grade:** 2
Condition: Infiltration Weeper
Remarks: N/A

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PIPE EYES

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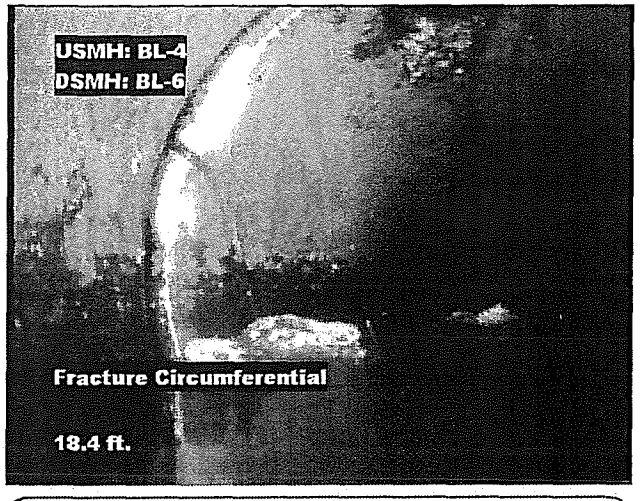
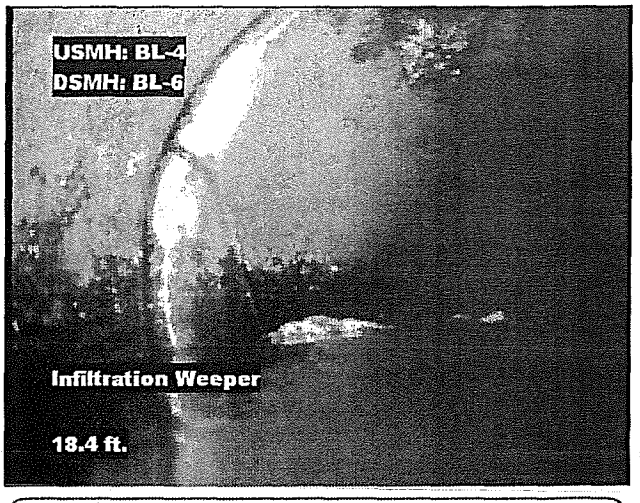
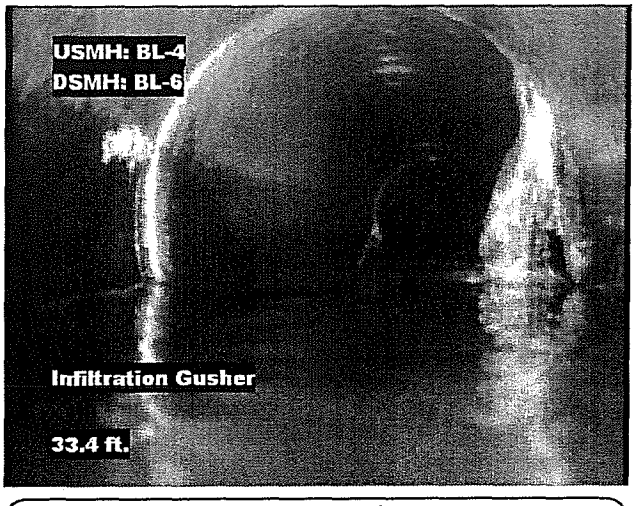
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-4_BL-6	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
BL-4			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-6	153.5		8	8		



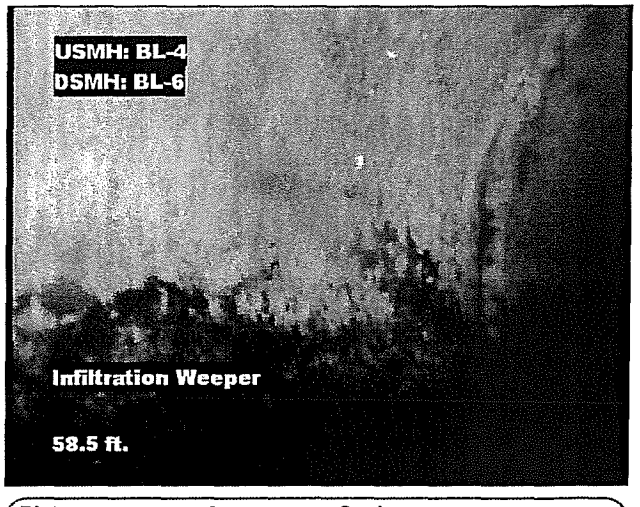
Distance: 18.4 ft. **Grade:** 2
Condition: Fracture Circumferential
Remarks: N/A



Distance: 18.4 ft. **Grade:** 2
Condition: Infiltration Weeper
Remarks: N/A



Distance: 33.4 ft. **Grade:** 5
Condition: Infiltration Gusher
Remarks: N/A



Distance: 58.5 ft. **Grade:** 2
Condition: Infiltration Weeper
Remarks: N/A

Pipe Eyes
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PIPE EYES

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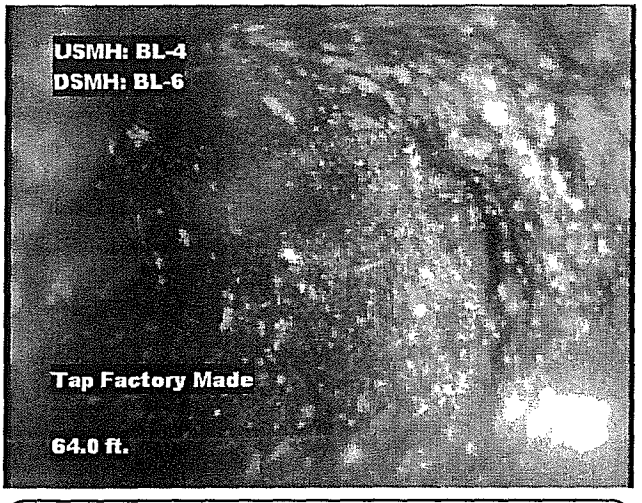
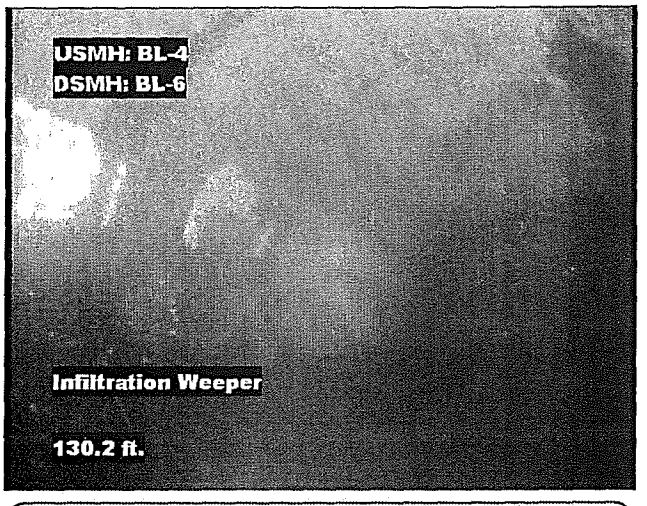
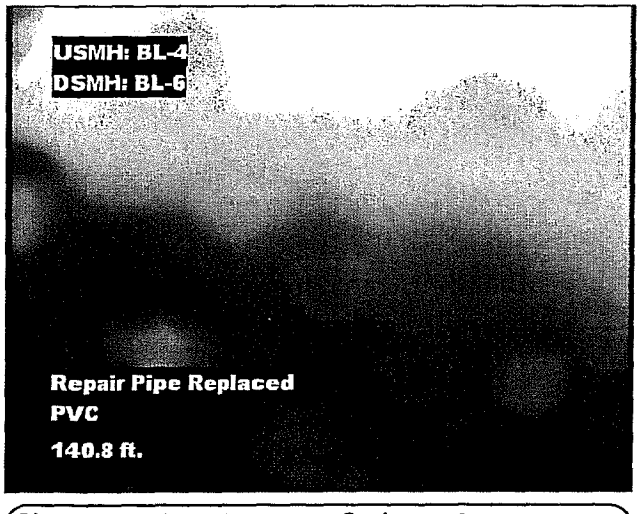
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-4_BL-6	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
BL-4			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-6	153.5		8	8		



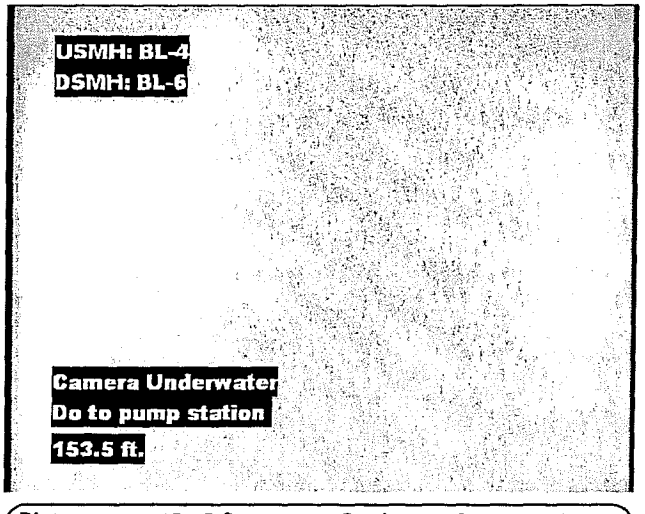
Distance: 64.0 ft. **Grade:** 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 130.2 ft. **Grade:** 2
Condition: Infiltration Weeper
Remarks: N/A



Distance: 140.8 ft. **Grade:** 0
Condition: Repair Pipe Replaced
Remarks: PVC



Distance: 153.5 ft. **Grade:** 0
Condition: Camera Underwater
Remarks: Do to pump station

Pipe Eyes
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PIPE EYES

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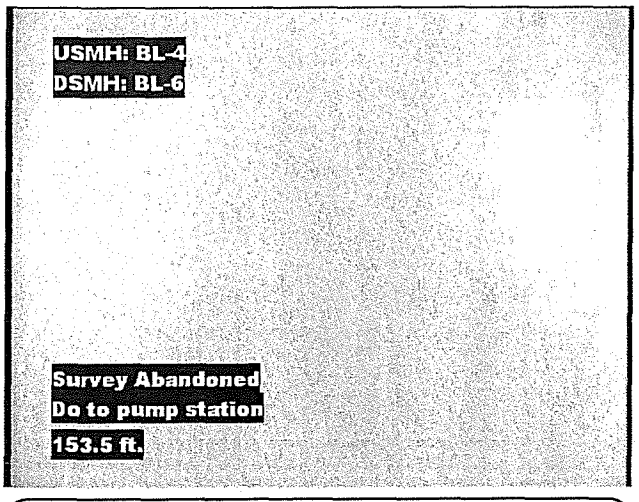
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-4_BL-6	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
BL-4			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-6	153.5		8	8		



Distance: 153.5 ft. **Grade:** 0
Condition: Survey Abandoned
Remarks: Do to pump station

Pipe Eyes
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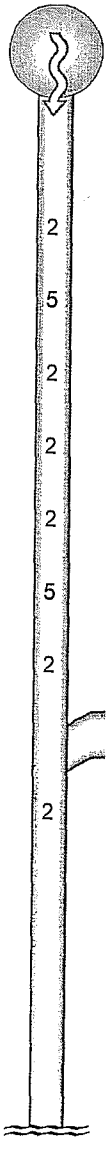
PIPE EYES

Defect Listing Plot Left

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
BL-4_BL-6	Hiliview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
BL-4			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
BL-6	153.5		8	8		

SPR	2	MPR	20	PO Number	Customer: Camden Environmental
SPRI	2	MPRI	2.9	Work Order	Purpose: Maintenance Related
QSR	2100	QMR	5225		

OPR	Surveyed By	Direction	Date	Media label	
22	Jason_Crites	Downstream	20130809	1	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	Situation
2.8	U-907-5639	Jetting	10:16	Dry	
Result	Present	Date Cleaned	End Time	Additional Info	
		20130809	10:45		



BL-4

	Code:	Continuous:	Pos:	Val 1 / 2 :	% :	Gallons:
0.0 ft.	Access Point Manhole BL-4					
0.0 ft.	Water Level				5	
8.4 ft.	Infiltration Gusher		9 - 3			
13.5 ft.	Infiltration Weeper		8 - 4			
18.4 ft.	Fracture Circumferential		7 - 9			
18.4 ft.	Infiltration Weeper		7 - 9			
33.4 ft.	Infiltration Gusher		7 - 5			
58.5 ft.	Infiltration Weeper		7 - 5			
64.0 ft.	Tap Factory Made		12	6		
130.2 ft.	Infiltration Weeper		7 - 5			
140.8 ft.	Repair Pipe Replaced PVC					
153.5 ft.	Camera Underwater Do to pump station					
153.5 ft.	Survey Abandoned Do to pump station					

Pipe Eyes
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PIPE EYES

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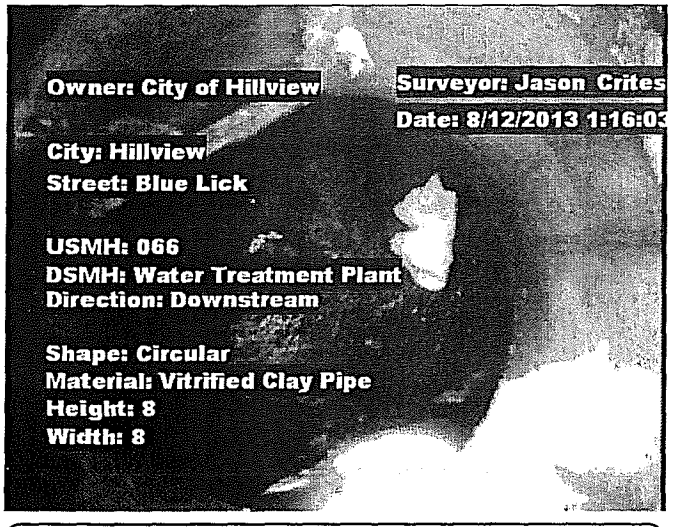
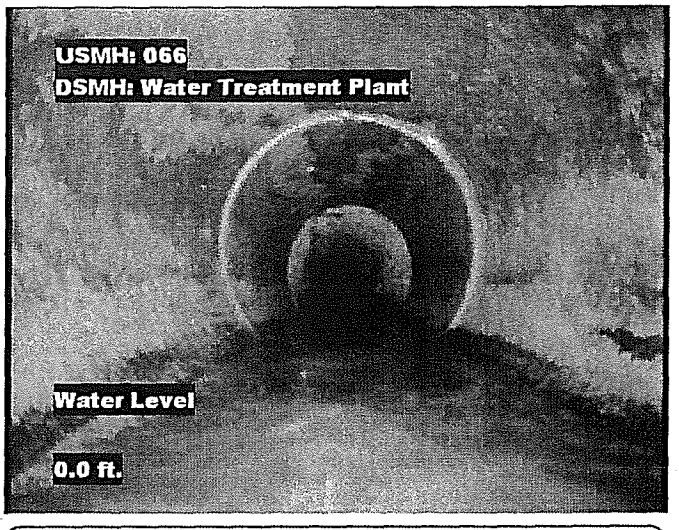
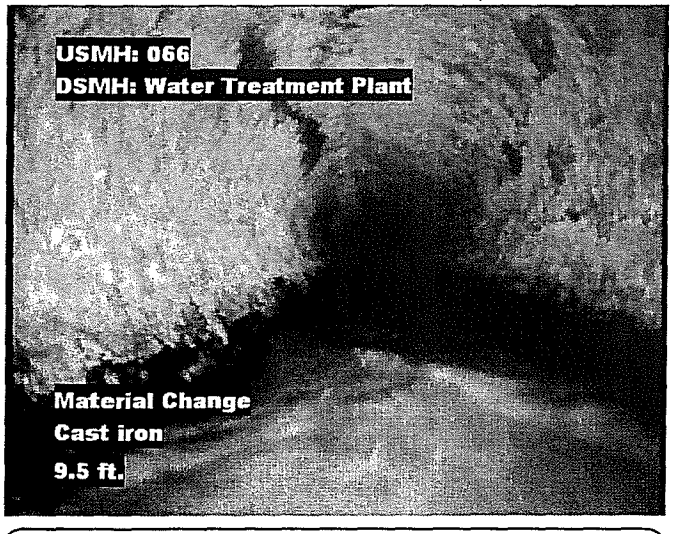
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
066_067	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
066			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
067	36.3		8	8		



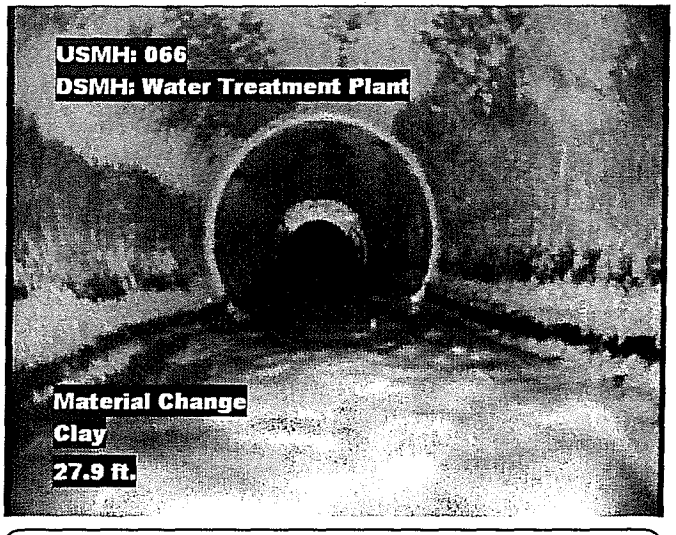
Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	066		



Distance:	0.0 ft.	Grade:	2
Condition:	Water Level		
Remarks:	N/A		



Distance:	9.5 ft.	Grade:	0
Condition:	Material Change		
Remarks:	Cast iron		



Distance:	27.9 ft.	Grade:	0
Condition:	Material Change		
Remarks:	Clay		

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PIPE EYES

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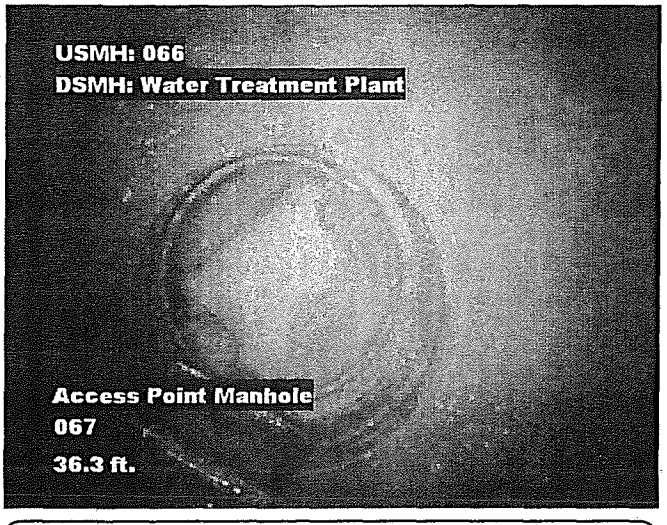
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
066_067	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
066			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
067	36.3		8	8		



Distance:	36.3 ft.	**Grade:**	0
Condition:	Access Point Manhole		
Remarks:	067		

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Defect Listing Plot Left

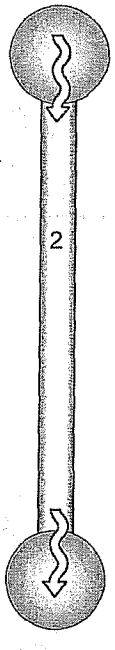
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
066_067	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
066			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
067	36.3		8	8		

SPR	N/A	MPR	2	PO Number	Customer
SPRI	N/A	MPRI	2		Camden Environmental
QSR	N/A	QMR	2100	Work Order	Purpose
					Maintenance Related

OPR	Surveyed By	Direction	Date	Media label
2	Jason_Crites	Downstream	20130812	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather	Situation
2	U-907-5639	Jetting	13:26	Light Rain	

Result	Present	Date Cleaned	End Time	Additional Info
		20130812	13:39	



	Code:	Continuous:	Pos:	Val 1 / 2 :	% :	Gallons:
0.0 ft.	Access Point Manhole 066					
0.0 ft.	Water Level				10	
9.5 ft.	Material Change Cast iron					
27.9 ft.	Material Change Clay					
36.3 ft.	Access Point Manhole 067					

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PIPE EYES

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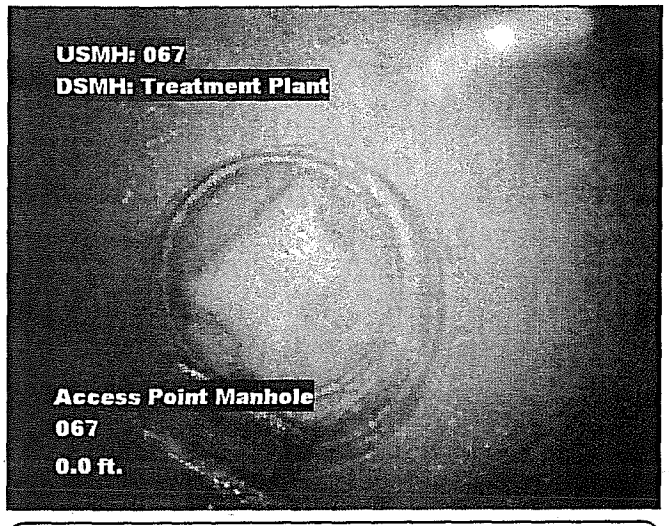
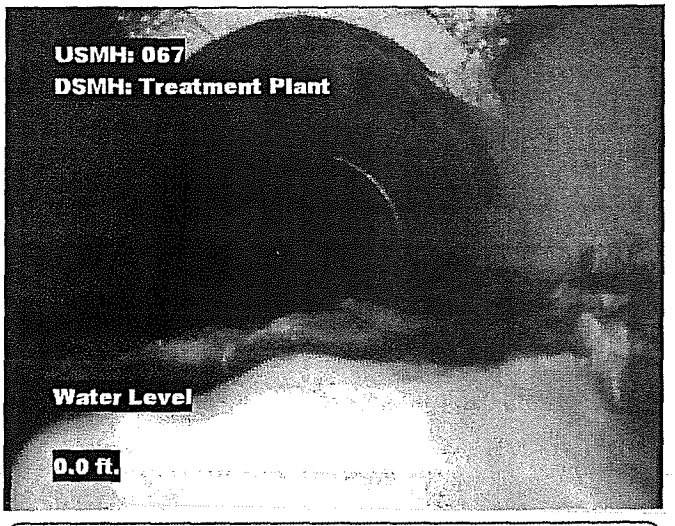
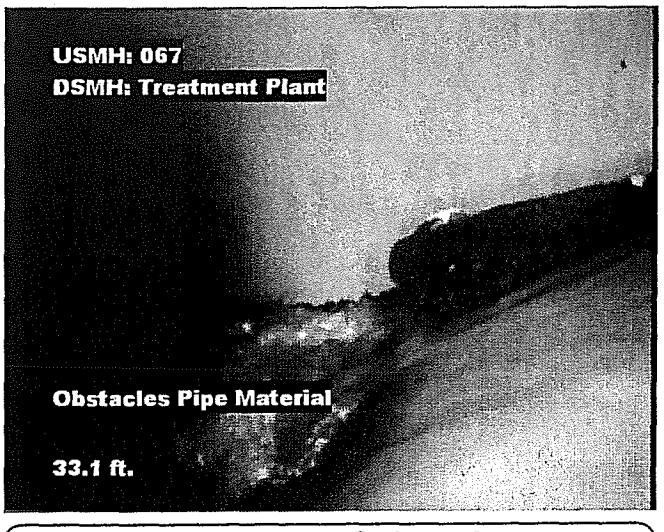
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
067_068	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
067			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
068	174.6		10	10		



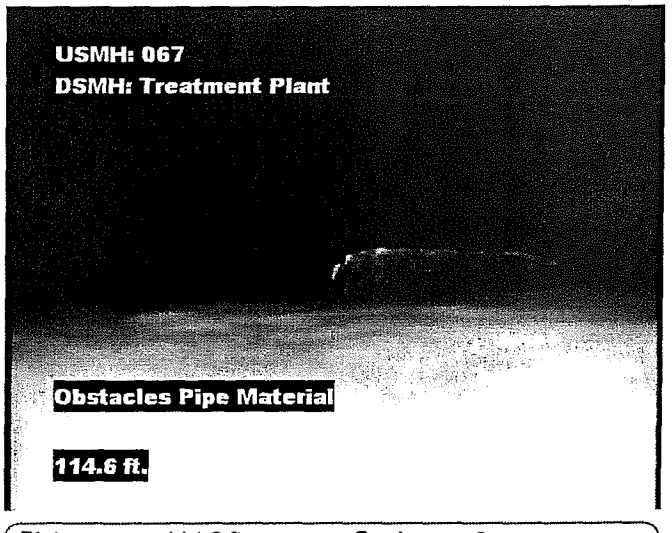
Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	067		



Distance:	0.0 ft.	Grade:	2
Condition:	Water Level		
Remarks:	N/A		



Distance:	33.1 ft.	Grade:	3
Condition:	Obstacles Pipe Material		
Remarks:	N/A		



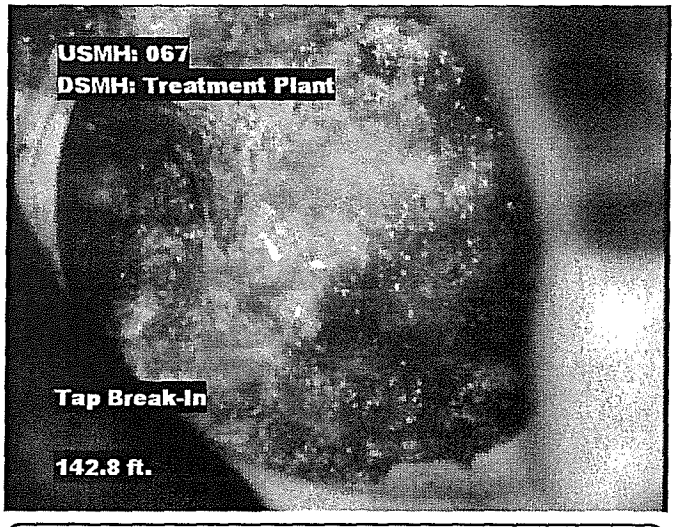
Distance:	114.6 ft.	Grade:	2
Condition:	Obstacles Pipe Material		
Remarks:	N/A		

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
(502)955-5288

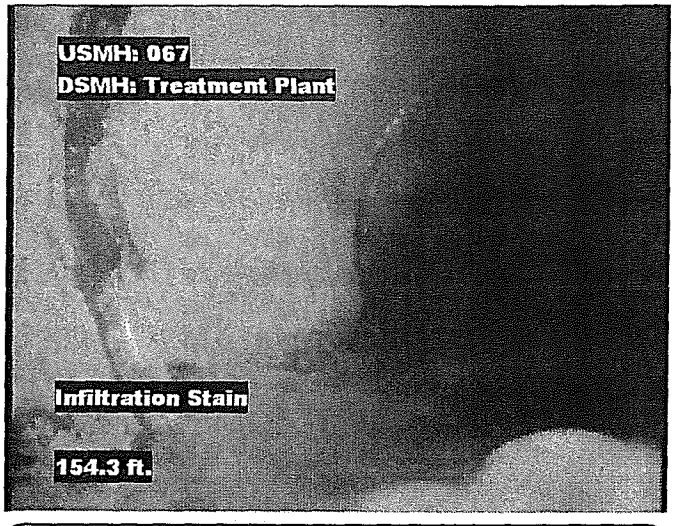
PIPE EYES

Image Report 4/Page

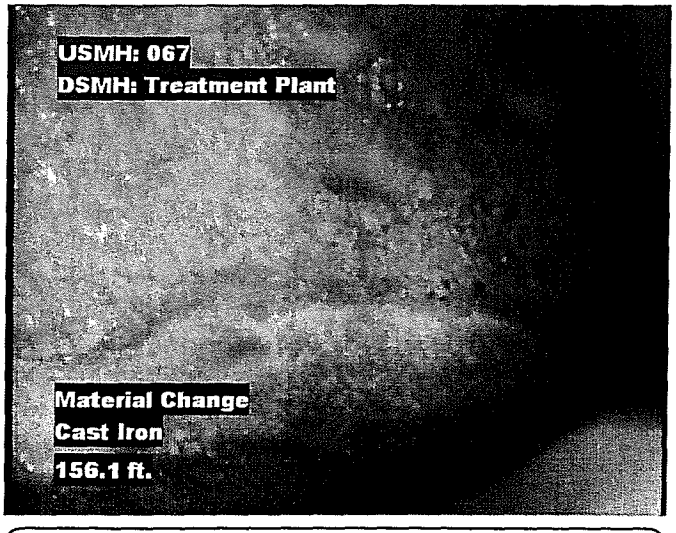
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
067_068	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
067			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
068	174.6		10	10		



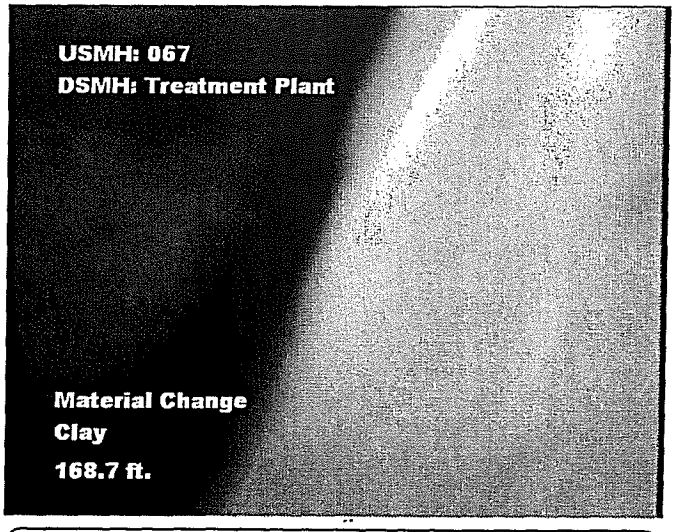
Distance: 142.8 ft. Grade: 0
Condition: Tap Break-In
Remarks: N/A



Distance: 154.3 ft. Grade: 0
Condition: Infiltration Stain
Remarks: N/A



Distance: 156.1 ft. Grade: 0
Condition: Material Change
Remarks: Cast Iron



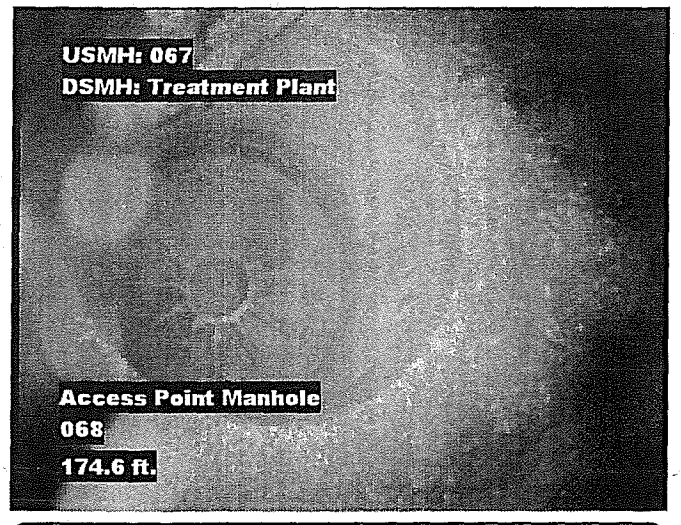
Distance: 168.7 ft. Grade: 0
Condition: Material Change
Remarks: Clay

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
(502)955-5288

PIPE EYES

Image Report 4/Page

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
067_068	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
067			Circular			
DS Manhole	Length surveyed	Year Renewed	Helght	Width	Pipe Joint...	
068	174.6		10	10		



Distance: 174.6 ft. **Grade:** 0
Condition: Access Point Manhole
Remarks: 068

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
(502)955-5288

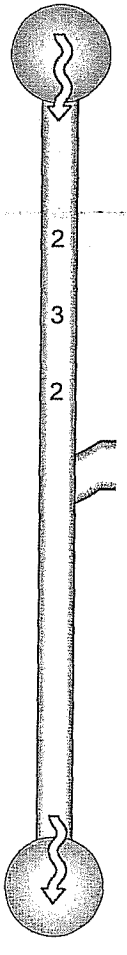
PIPE EYES

Defect Listing Plot Left

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
067_068	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
067			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
068	174.6		10	10		

SPR	N/A	MPR	7	PO Number	Customer: Camden Environmental
SPRI	N/A	MPRI	2.3		
QSR	N/A	QMR	3122	Work Order	Purpose: Maintenance Related

OPR	Surveyed By	Direction	Date	Media label
7	Jason_Crites	Downstream	20130812	1
OPRI	Certificate Number	Pre-Cleaning	Time	Weather / Situation
2.3	U-907-5639	Jetting	13:41	Light Rain
Result	Present	Date Cleaned	End Time	Additional Info
		20130812	15:14	



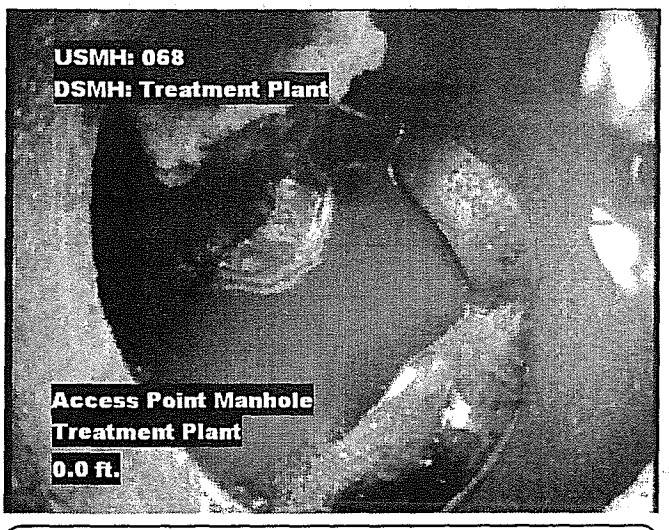
	Code:	Continuous:	Pos:	Val 1 / 2 :	% :	Gallons:
0.0 ft.	Access Point Manhole 067					
0.0 ft.	Water Level				10	
33.1 ft.	Obstacles Pipe Material		4 - 8		15	
114.6 ft.	Obstacles Pipe Material		4 - 7		10	
142.8 ft.	Tap Break-In		12	6		
154.3 ft.	Infiltration Stain		7 - 11			
156.1 ft.	Material Change Cast Iron					
168.7 ft.	Material Change Clay					
174.6 ft.	Access Point Manhole 068					

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
(502)955-5288

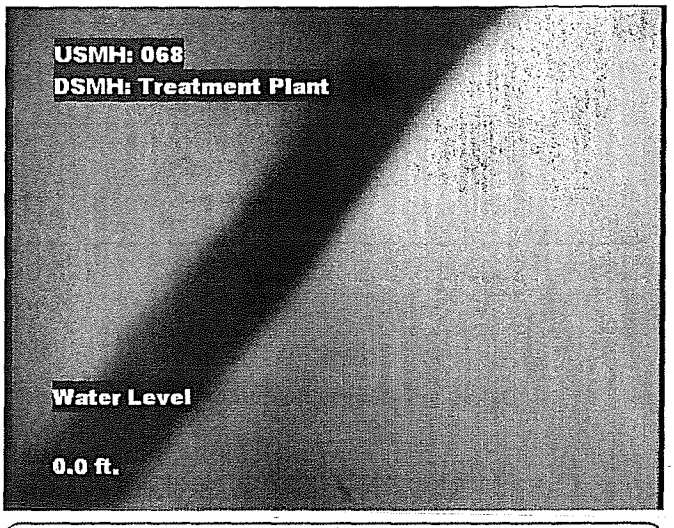
PIPE EYES

Image Report 4/Page

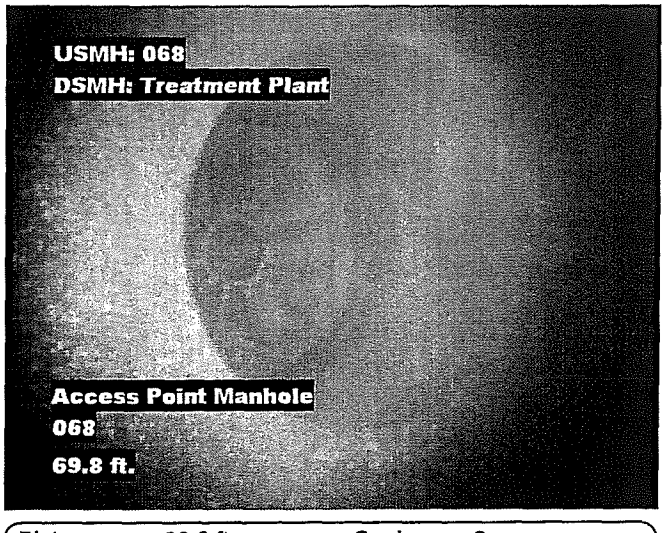
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
Treatment Plant_068	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
068			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
Treatment Plant	69.8		10	10		



Distance:	0.0 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	Treatment Plant		



Distance:	0.0 ft.	Grade:	2
Condition:	Water Level		
Remarks:	N/A		



Distance:	69.8 ft.	Grade:	0
Condition:	Access Point Manhole		
Remarks:	068		

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
(502)955-5288

Defect Listing Plot Left

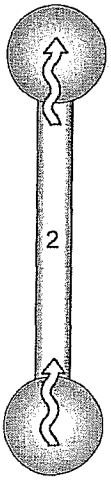
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
Treatment Plant_068	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
068			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
Treatment Plant	69.8		10	10		

SPR	N/A	MPR	2	PO Number	Customer: Camden Environmental
SPRI	N/A	MPRI	2	Work Order	Purpose: Maintenance Related
QSR	N/A	QMR	2100		

OPR	Surveyed By	Direction	Date	Media label
2	Jason_Crites	Upstream	20130812	1

OPRI	Certificate Number	Pre-Cleaning	Time	Weather	Situation
2	U-907-5639	Jetting	15:41	Light Rain	

Result	Present	Date Cleaned	End Time	Additional Info
		20130812	15:49	



Treatment Plant

	Code:	Continuous:	Pos:	Val 1 / 2 :	% :	Gallons:
0.0 ft.	Access Point Manhole Treatment Plant					
0.0 ft.	Water Level				30	
69.8 ft.	Access Point Manhole 068					

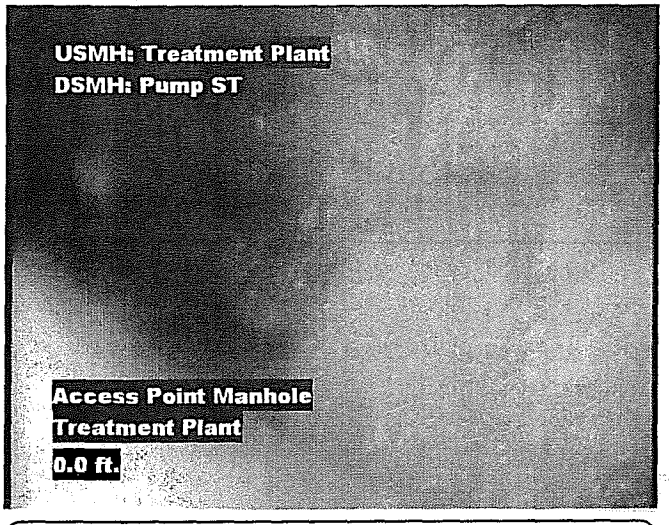
068

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
(502)955-5288

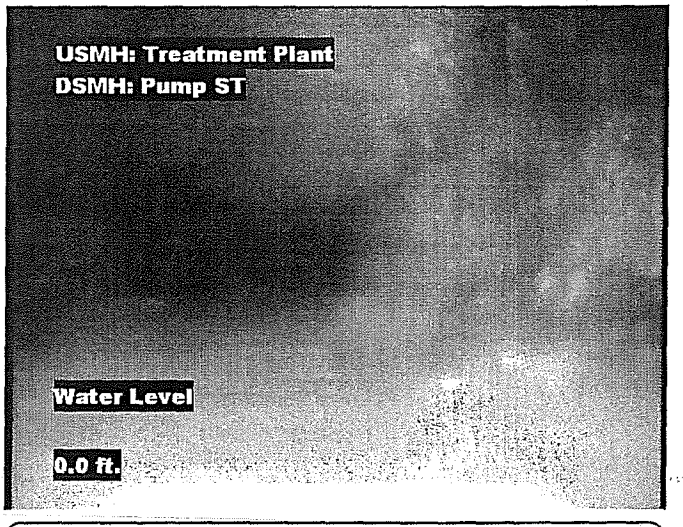
PIPE EYES

Image Report 4/Page

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
Treatment Plant_Pum...	Hillview	Blue Lick	Vitrified Clay Pipe		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
Treatment Plant			Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
Pump ST	N/A		10	10		



Distance:	0.0 ft.	**Grade:**	0
Condition:	Access Point Manhole		
Remarks:	Treatment Plant		



Distance:	0.0 ft.	**Grade:**	3
Condition:	Water Level		
Remarks:	N/A		

Pipe Eyes
145 Smith Lane
Louisville KY 40229 Kentucky 40229
(502)955-5288

Defect Listing Plot Left

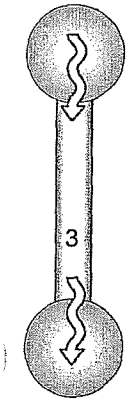
Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
Treatment Plant_Pum...	Hillview	Blue Lick	Vitrified Clay Pipe	Easement/R...	Sanitary

Upstream MH	Total Length	Year Laid	Shape	Location Details
Treatment Plant			Circular	

DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
Pump ST	N/A		10	10		

SPR	N/A	MPR	3	PO Number	Customer: Camden Environmental
SPRI	N/A	MPRI	3		
QSR	N/A	QMR	3100	Work Order	Purpose: Maintenance Related

OPR	Surveyed By	Direction	Date	Media label	
3	Jason_Crites	Downstream	20130812	1	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	Situation
3	U-907-5639	Jetting	15:57	Heavy Rain	
Result	Present	Date Cleaned	End Time	Additional Info	
		20130812	16:04		



Treatment Plant

	Code:	Continuous:	Pos:	Val 1 / 2 :	% :	Gallons:
0.0 ft.	Access Point Manhole Treatment Plant					
0.0 ft.	Water Level				40	

Pump ST

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#51114-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 5/10/14 @ 9:00 A.M.

Date and Time bypass/overflow ended: 5/11/14 @ 9:50 A.M.

Responsible/Affected facility: Hunters Hollow Lift Station #1 (Ziniz)

Location: Blue Lick Road at Hillview Blvd. – Bullitt County

Cause of bypass/overflow: Due to heavy rain and increased flow, it was necessary to start the bypass pump to keep water out of basements.

Estimated gallons of loss: 216,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: None necessary

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
May 14 2014 1:21PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
May 14	1:20PM	Fax Sent	5024297125	0:32 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#51114-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 5/10/14 @ 9:00 A.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow Lift Station #1 (Ziniz)

Location: Big Wood Ct. – Bullitt County

Cause of bypass/overflow: Due to heavy rain and increased flow, it was necessary to start the bypass pump to keep water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?):

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
May 11 2014 7:47AM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
May 11	7:47AM	Fax Sent	5024297125	0:38 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#51114-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 5/10/14 @ 9:00 A.M.

Date and Time bypass/overflow ended: 5/11/14 @ 9:50 A.M.

Responsible/Affected facility: Hunters Hollow Lift Station #1 (Ziniz)

Location: Blue Lick Road at Hillview Blvd. – Bullitt County

Cause of bypass/overflow: Due to heavy rain and increased flow, it was necessary to start the bypass pump to keep water out of basements.

Estimated gallons of loss: 216,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: None necessary

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#42914-04

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 4/28/14 @ 1:35 P.M.

Date and Time bypass/overflow ended: 4/29/14 @ 3:15 P.M.

Responsible/Affected facility: Hunters Hollow Lift Station #1

Location: Blue Lick Road at Hillview Blvd.. – Bullitt County

Cause of bypass/overflow: Due to very heavy rain and the increased flow into this station it was necessary to start up the bypass pump to keep water out of residential basements.

Estimated gallons of loss: 216,000

Environmental impact (what streams are impacted?): Pumping to a drainage ditch.

Method of cleanup: None necessary

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#42914-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 4/28/14 @ 1:30 P.M.

Date and Time bypass/overflow ended: 4/29/14 @ 8:00 A.M.

Responsible/Affected facility: Hunters Hollow Lift Station #2

Location: Big Wood Ct. – Bullitt County

Cause of bypass/overflow: Due to very heavy rain and one of the station pumps burning up, it was necessary to start up a portable pump to keep the level down in the wet well and out of residential basements. The pump has been pulled and taken to Quality Electric for repair.

Estimated gallons of loss: 153,000

Environmental impact (what streams are impacted?): Pumping to a drainage ditch.

Method of cleanup: Operator raked up

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Apr 24 2014 3:59PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Apr 24	3:56PM	Fax Sent	5024297125	2:21 N/A	9	OK

ENVIRONMENTAL AND PUBLIC PROTECTION CABINET

Steven L. Beshear
Governor

Department for Environmental Protection
Division of Water
9116 LEESGATE RD
LOUISVILLE, KENTUCKY 40222
PHONE (502)429-7122
FAX (502)429-7125
www.dep.ky.gov

Robert D. Vance
Secretary

R. Bruce Scott
Commissioner

FAX COVER

From: Larry Smithers
~~TO:~~
Fax #: 502-641-7943
To: ~~FROM:~~ Kelly Dooley
DATE: 4-17-2014

NUMBER OF PAGES(NOT INCLUDING COVER): 9

If you did not receive all of pages of have questions concerning this transmittal, please call me at Phone number 502-429-7122.

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#10614-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 1/5/14 @ 5:45 P.M.

Date and Time bypass/overflow ended: 1/13/14 @ 9:35 A.m.

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road @ Triangle Lane

Cause of bypass/overflow: Due to heavy rain and increased flow into the plant the blowers were turned off to retain solids in the plant.

Estimated gallons of loss: 1.2

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: NONE REQUIRED

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#2314-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 2/2/14 @ 4:28 A.M.

Date and Time bypass/overflow ended: 2/6/14 @ 4:37 pm

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road @ Triangle

Cause of bypass/overflow: Heavy rain and increased flow in to the plant. Had to turn the plant blowers off to retain solids in the plant.

Estimated gallons of loss: 810,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: None Required

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#2514-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 2/4/14 @ 11:14 P.M.

Date and Time bypass/overflow ended: 2/6/14 @ 9:05 Am

Responsible/Affected facility: Hunters Hollow Subdivision #1 lift station (Ziniz)

Location: Blue Lick Road at Hillview Blvd – Bullitt County

Cause of bypass/overflow: Due to heavy rain, freezing rain, melting snow the flow in to the lift station was to heavy for the station pumps. Emergency bypass pump had to be started up.

Estimated gallons of loss: 216,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: None Required

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#2514-04

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 2/5/14 @ 12:40 A.M.

Date and Time bypass/overflow ended: 2/5/14 @ 8:00 p.m.

Responsible/Affected facility: Hunters Hollow Subdivision #2 lift station (Ziniz)

Location: Big Wood Way – Bullitt County

Cause of bypass/overflow: Due to heavy rain, freezing rain, melting snow the flow in to the lift station was to heavy for the station pumps. Emergency bypass pump had to be started up.

Estimated gallons of loss: 72,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: Raked up some paper materia

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#21814-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 2/17/14 @ 5:30 P.M.

Date and Time bypass/overflow ended: 2/18/14 @ 2:15 P.M.

Responsible/Affected facility: Hunter Hollow Lift Station #1 (Ziniz)

Location: Blue Lick Road at Hillview Blvd. – Bullitt County

Cause of bypass/overflow: Heavy rain and melting snow caused increased flow in to the lift station and the duplex station pumps could not keep up. The emergency bypass had to be started up to keep water out of basements.

Estimated gallons of loss: 189,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: NONE REQUIRED

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#21814-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 2/17/14 @ 8:22 P.M.

Date and Time bypass/overflow ended: 2/18/14 @ 2:20 pm

Responsible/Affected facility: Hunter Hollow Lift Station #2

Location: Bigwood Way – Bullitt County

Cause of bypass/overflow: Heavy rain and melting snow caused increased flow in to the lift station and the duplex station pumps could not keep up. The emergency bypass had to be started up to keep water out of basements.

Estimated gallons of loss: 190,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: None Required

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#21814-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 2/17/14 @ 5:23 P.M.

Date and Time bypass/overflow ended: On going 2/25/14 @ 12:23 P.m

Responsible/Affected facility: Hunter Hollow WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Heavy rain and melting snow caused increased flow into the plant so the operator had to turn the blowers off to retain solids in the plant.

Estimated gallons of loss: 1,4

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: None Required

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#30314-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 3/2/14 @ 10:40 A.M.

Date and Time bypass/overflow ended: 3/6/14 @ 8:48 A.m.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Due to heavy rain and increased flow it was necessary to turn the plant blowers off to retain solids in the plant.

Estimated gallons of loss: 800,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: None Required

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#22114-01

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 2/20/14 @ 8:00 P.M.

Date and Time bypass/overflow ended: 2/21/14 @ 7:20 A.M.

Responsible/Affected facility: Hunters Hollow lift station #1 (Ziniz)

Location: Blue Lick Road at Hillview Blvd. – Bullitt County

Cause of bypass/overflow: Heavy rain and increased flow into the lift station. The regular station pumps could not keep up so it was necessary to state up the emergency bypass pumps to keep water out of basements.

Estimated gallons of loss: 108,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: None necessary

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Feb 21 2014 5:39PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Feb 21	5:38PM	Fax Sent	4297125	0:39 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#11113-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 10/31/13 @ 9:12 P.M.

Date and Time bypass/overflow ended: 11/1/13 @ 8:20 P.M.

Responsible/Affected facility: Hunters Hollow Lift Station #1

Location: Blue Lick Road @ Hillview Blvd.

Cause of bypass/overflow: Due to heavy rain it was necessary to start up the 3rd pump (bypass pump) and a portable pump to assist the regular pumps. This is necessary to keep water out of basements.

Estimated gallons of loss: 207,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: Raked up the trash and disposed of same. Spread lime where needed.

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#11113-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 11/1/13 @ 12:40 A.M.

Date and Time bypass/overflow ended: 11/1/13 @ 8:15 P.M>

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road @ Triangle

Cause of bypass/overflow: Due to heavy rain it was necessary to start up the 3rd pump (bypass pump) to assist the regular pumps. This is necessary to keep water out of basements.

Estimated gallons of loss: 84,000

Environmental impact (what streams are impacted?): Trib. To Brooks Run

Method of cleanup: Raked up the trash and disposed of same. Also spread lime on the effected area.

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#103013-01 Revised 1/29/14

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 10/30/13 @ 5:30 A.M.

Date and Time bypass/overflow ended: 11/7/13 @ 10:12 P.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road @ Triangle

Cause of bypass/overflow: Due to heavy rain in the area, the plant blowers had to be turned off to retain solids in the plant.

Estimated gallons of loss: 1,050,000

Environmental impact (what streams are impacted?): Trib. To Brooks Run

Method of cleanup: Bullitt Septic Tank Service cleaned the creek on 11/7/13. They finished at about 4:30 P.M.

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#103013-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 10/30/13 @ 5:30 A.M.

Date and Time bypass/overflow ended: 11/7/13 @ 10:12 P.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road @ Triangle

Cause of bypass/overflow: Due to heavy rain in the area, the plant blowers had to be turned off to retain solids in the plant.

Estimated gallons of loss: 1,050,000

Environmental impact (what streams are impacted?): Trib. To Brooks Run

Method of cleanup: None required

Comments:

Notification received by:

Notification date and time:

P.O. Box 91588
Louisville, KY 40291
502-241-4809
502-241-7943 Fax

Covered Bridge Utilities, Inc.

Fax

To: Kelly Dooley

From: Larry Smither

Date: 1/29/14

No. of Pages: 3

Re: Bypass Report

Please find attached bypass report #BPR103013-01 that I had sent to you earlier along with 24 others. Also find attached the revised copy of the same report. I had to revise this report because I just found some additional information concerning the cleanup.

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Jan 29 2014 5:28PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Jan 29	5:27PM	Fax Sent	4297125	0:51 N/A	3	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#102913-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 10/29/13 @ 3:25 P.M.

Date and Time bypass/overflow ended: 11/7/13 Afternoon

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: There was sludge found to be in the receiving stream. The plant effluent was clear at the time of the operators daily inspection this morning.

Estimated gallons of loss: 5,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: Bullitt Septic Service cleaned the creek.

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#10613-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 10/5/13 @ 7:18 P.M.

Date and Time bypass/overflow ended: 10/7/13 @ 2:26 A.M.

Responsible/Affected facility: Hunters Hollow lift station #1 (Ziniz)

Location: Blue Lick Road at Hillview Blvd. – Bullitt County

Cause of bypass/overflow: Record setting rain and very very heavy flow into the lift station caused us to have to start up a portable pump to assist the lift station pumps in keeping water out of basements.

Estimated gallons of loss: 279,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: Raked up trash and disposed of same. Spread lime on the effected area.

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#10613-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 10/6/13 @ 12:00 A.M.

Date and Time bypass/overflow ended: 10/6/13 @ 5:12 A.M.

Responsible/Affected facility: Hunters Hollow lift station #2

Location: Wooded Way – Bullitt County

Cause of bypass/overflow: Record setting rain and very very heavy flow into the lift station caused us to have to start up the emergency pump to assist the lift station pumps in keeping water out of basements.

Estimated gallons of loss: 45,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: Raked up trash and disposed of same. Spread lime on area.

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#10613-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 10/6/13 @ 2:30 P.M.

Date and Time bypass/overflow ended: 10/7/13 @ 5:49 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Record setting rain and very very heavy flow into the lift station at the plant caused us to have to start up a portable pump to assist the lift station pumps in keeping water out of basements.

Estimated gallons of loss: 135,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: Raked up trash and disposed of same. Spread lime on the effected area.

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#10613-04

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 10/5/13 @ 2:04 P.M.

Date and Time bypass/overflow ended: 10/10/13 @ 11:25 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Record setting rain and very very heavy flow into the plant caused us to have to turn the blowers off to retain solids in the plant.

Estimated gallons of loss: 720,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: None required

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#93013-01

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 9/30/13 @ 1:55 P.M.

Date and Time bypass/overflow ended: 10/1/13 @ 2:40 P.M.

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Plant is discharging dark effluent, not solids. This is due to a combination of things: 1st the blowers being off for a period of time after the heavy rain on 9/20/13 and secondly, the electrical problem we have had with the #2 plant blower. (Note: Only one blower running is not enough.) The starter contactor burnt up and needed a replacement. We could not find one in town so it had to be ordered. The supplier gave us a two day delivery time and it actually took over a week. It did arrive today but they sent the wrong one.

- We have an electrician coming to the plant in the morning, the 1st, to help us with the electrical issues.
- Operator put almost 200 pounds of HTH in the aeration tank today, 30th, to help with odor control and filamentous bacteria control.
- Had a load of sludge hauled out of the digester today, 30th, to give additional room to waste solids. Operator started wasting immediately. An additional load will be removed Tuesday the 1st of October.
- Operator is making arrangements to have the creek cleaned asap.

Estimated gallons of loss:320,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: Bullitt Septic Service started on 10/2/13 and finished cleaning the creek on 10/4/13

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#92013-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 9/20/13 @ 8:10 P.M.

Date and Time bypass/overflow ended: 9/30/13 @ 9:03 A.M.

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Rd. at Triangle – Bullitt County

Cause of bypass/overflow: Heavy rain and increased flow. Had to turn the plant blowers off to retain solids in the plant.

Estimated gallons of loss: 1,350,000

Environmental impact (what streams are impacted?): Trib, to Brooks Run

Method of cleanup: Had Bullitt Septic Service clean the creek on 10/2/13

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#72213-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 7/22/13 @ 1:07 A.M.

Date and Time bypass/overflow ended: 7/24/13 @ 7:50 A.M.

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Due to heavy rain and increased flow into the treatment plant the blowers were turned off to retain the solids in the plant.

Estimated gallons of loss: 270,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: None required

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#70513-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 7/4/13 @ 7:45 A.M.

Date and Time bypass/overflow ended: 7/9/13 @ 6:43 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Very heavy rain and increased flow. It was necessary to turn the plant blowers off to retain solids in the plant.

Estimated gallons of loss: 900,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: None required

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#61813-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 6/17/13 @ 7:15 P.M.

Date and Time bypass/overflow ended: 6/19/13 @ 8:05 A.M.

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Due to heavy rain the plant blowers had to be turned off to retain solids in the plant.

Estimated gallons of loss: 277,500

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: Had Bullitt Septic Service Clean the creek on 6/20/13

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#62713-06

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 6/26/13 @ 10:12 P.M.

Date and Time bypass/overflow ended: 6/27/13 @ 5:45 A.M.

Responsible/Affected facility: Hunters Hollow #2 lift station (Big Wood)

Location: Hunters Hollow subdivision – Big Wood – Bullitt County

Cause of bypass/overflow: Very Heavy rain and increased flow into the lift station. The station pumps could not keep up with the flow so it was necessary to start up the bypass pump to keep water out of basements.

Estimated gallons of loss: 63,000

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup: Raked and picked up material

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#62713-05

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 6/26/13 @ 9:49 P.M.

Date and Time bypass/overflow ended: 6/27/13 @ 11:30 A.M.

Responsible/Affected facility: Hunters Hollow #1` lift station (Ziniz)

Location: Blue Lick Road at Hillview Blvd.

Cause of bypass/overflow: Very Heavy rain and increased flow into the lift station. The station pumps could not keep up with the flow so it was necessary to start up the bypass pump to keep water out of basements.

Estimated gallons of loss: 126,000

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup: Raked up material and disposed of same.

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#62713-06

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 6/26/13 @ 10:12 P.M.

Date and Time bypass/overflow ended: 6/27/13 @ 5:45 Am

Responsible/Affected facility: Hunters Hollow #2 lift station (Big Wood)

Location: Hunters Hollow subdivision – Big Wood – Bullitt County

Cause of bypass/overflow: Very Heavy rain and increased flow into the lift station. The station pumps could not keep up with the flow so it was necessary to start up the bypass pump to keep water out of basements.

Estimated gallons of loss: 63,000

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup: Raked and picked up material

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#61813-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 6/17/13 @ 7:15 P.M.

Date and Time bypass/overflow ended: 6-19-13 @ 8:05 am

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Due to heavy rain the plant blowers had to be turned off to retain solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Had Creek Swept & Pumped 6-20-13

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#70513-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 7/4/13 @ 7:45 A.M.

Date and Time bypass/overflow ended: 7-9-13 @ 6:43 AM

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Very heavy rain and increased flow. It was necessary to turn the plant blowers off to retain solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

None Required

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#72213-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 7/22/13 @ 1:07 A.M.

Date and Time bypass/overflow ended: 7-24-13 @ 7:50 Am

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Due to heavy rain and increased flow into the treatment plant the blowers were turned off to retain the solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments: None Required

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#92013-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 9/20/13 @ 8:10 P.M.

Date and Time bypass/overflow ended: 9-30-13 @ 9:03Am

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Rd. at Triangle – Bullitt County

Cause of bypass/overflow: Heavy rain and increased flow. Had to turn the plant blowers off to retain solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?):

Method of cleanup:

Had Creek Swept & Cleaned 10-2-13

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#93013-01

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 9/30/13 @ 1:55 P.M.

Date and Time bypass/overflow ended: 10-1-13 @ 2:40 Pm

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Plant is discharging dark effluent, not solids. This is due to a combination of things: 1st the blowers being off for a period of time after the heavy rain on 9/20/13 and secondly, the electrical problem we have had with the #2 plant blower. (Note: Only one blower running is not enough.) The starter contactor burnt up and needed a replacement. We could not find one in town so it had to be ordered. The supplier gave us a two day delivery time and it actually took over a week. It did arrive today but they sent the wrong one.

- We have an electrician coming to the plant in the morning, the 1st, to help us with the electrical issues.
- Operator put almost 200 pounds of HTH in the aeration tank today, 30th, to help with odor control and filamentous bacteria control.
- Had a load of sludge hauled out of the digester today, 30th, to give additional room to waste solids. Operator started wasting immediately. An additional load will be removed Tuesday the 1st of October.
- Operator is making arrangements to have the creek cleaned asap.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#10613-04

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 10/5/13 @ 2:04 P.M.

Date and Time bypass/overflow ended: 10-10-13 @ 11:25Am

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Record setting rain and very very heavy flow into the plant caused us to have to turn the blowers off to retain solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#10613-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 10/6/13 @ 2:30 P.M.

Date and Time bypass/overflow ended: 10-7-13 @ 5:49am

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Record setting rain and very very heavy flow into the lift station at the plant caused us to have to start up a portable pump to assist the lift station pumps in keeping water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Raked up trash & disposed of it. Spread lime to Neutralize

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#10613-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 10/6/13 @ 12:00 A.M.

Date and Time bypass/overflow ended: 10-6-13 @ 5:12Am

Responsible/Affected facility: Hunters Hollow lift station #2

Location: Wooded Way – Bullitt County

Cause of bypass/overflow: Record setting rain and very very heavy flow into the lift station caused us to have to start up the emergency pump to assist the lift station pumps in keeping water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup:

Comments: Raked up trash & disposed of it. Spread lime to neutalize

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Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#10613-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 10/5/13 @ 7:18 P.M.

Date and Time bypass/overflow ended: 10-7-13 @ 2:26 pm

Responsible/Affected facility: Hunters Hollow lift station #1 (Ziniz)

Location: Blue Lick Road at Hillview Blvd. – Bullitt County

Cause of bypass/overflow: Record setting rain and very very heavy flow into the lift station caused us to have to start up a portable pump to assist the lift station pumps in keeping water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup:

Comments: Raked up trash & disposed of it. Spread lime to neutralize

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Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#102913-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 10/29/13 @ 3:25 P.M.

Date and Time bypass/overflow ended: 11-4-13

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: There was sludge found to be in the receiving stream. The plant effluent was clear at the time of the operators daily inspection this morning.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments: Had Creek Swept & Cleaned 11-4-13

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#103013-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 10/30/13 @ 5:30 A.M.

Date and Time bypass/overflow ended: 11-7-13 @ 10:12 PM

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road @ Triangle

Cause of bypass/overflow: Due to heavy rain in the area, the plant blowers had to be turned off to retain solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. To Brooks Run

Method of cleanup:

Comments: None Required

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#11113-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 11/1/13 @ 12:40 A.M.

Date and Time bypass/overflow ended: 11-1-13 @ 8:15pm

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road @ Triangle

Cause of bypass/overflow: Due to heavy rain it was necessary to start up the 3rd pump (bypass pump) to assist the regular pumps. This is necessary to keep water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. To Brooks Run

Method of cleanup:

Comments: Raked up trash & Disposed of it. Spread lime to neutralize

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#11113-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 10/31/13 @ 9:12 P.M.

Date and Time bypass/overflow ended: 11-1-13 @ 8:20pm

Responsible/Affected facility: Hunters Hollow Lift Station #1

Location: Blue Lick Road @ Hillview Blvd.

Cause of bypass/overflow: Due to heavy rain it was necessary to start up the 3rd pump (bypass pump) and a portable pump to assist the regular pumps. This is necessary to keep water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup:

Comments: Raked up trash & Disposed of it. Spread lime to neutralize

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#11113-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 11/1/13 @ 12:40 A.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road @ Triangle

Cause of bypass/overflow: Due to heavy rain it was necessary to start up the 3rd pump (bypass pump) to assist the regular pumps. This is necessary to keep water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. To Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#11113-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 10/31/13 @ 9:12 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow Lift Station #1

Location: Blue Lick Road @ Hillview Blvd.

Cause of bypass/overflow: Due to heavy rain it was necessary to start up the 3rd pump (bypass pump) and a portable pump to assist the regular pumps. This is necessary to keep water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#103013-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 10/30/13 @ 5:30 A.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road @ Triangle

Cause of bypass/overflow: Due to heavy rain in the area, the plant blowers had to be turned off to retain solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. To Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#102913-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 10/29/13 @ 3:25 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: There was sludge found to be in the receiving stream. The plant effluent was clear at the time of the operators daily inspection this morning.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#10613-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 10/5/13 @ 7:18 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow lift station #1 (Ziniz)

Location: Blue Lick Road at Hillview Blvd. – Bullitt County

Cause of bypass/overflow: Record setting rain and very very heavy flow into the lift station caused us to have to start up a portable pump to assist the lift station pumps in keeping water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#10613-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 10/6/13 @ 12:00 A.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow lift station #2

Location: Wooded Way – Bullitt County

Cause of bypass/overflow: Record setting rain and very very heavy flow into the lift station caused us to have to start up the emergency pump to assist the lift station pumps in keeping water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#10613-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 10/6/13 @ 2:30 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Record setting rain and very very heavy flow into the lift station at the plant caused us to have to start up a portable pump to assist the lift station pumps in keeping water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#10613-04

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 10/5/13 @ 2:04 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Record setting rain and very very heavy flow into the plant caused us to have to turn the blowers off to retain solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#93013-01

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 9/30/13 @ 1:55 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Plant is discharging dark effluent, not solids. This is due to a combination of things: 1st the blowers being off for a period of time after the heavy rain on 9/20/13 and secondly, the electrical problem we have had with the #2 plant blower. (Note: Only one blower running is not enough.) The starter contactor burnt up and needed a replacement. We could not find one in town so it had to be ordered. The supplier gave us a two day delivery time and it actually took over a week. It did arrive today but they sent the wrong one.

- We have an electrician coming to the plant in the morning, the 1st, to help us with the electrical issues.
- Operator put almost 200 pounds of HTH in the aeration tank today, 30th, to help with odor control and filamentous bacteria control.
- Had a load of sludge hauled out of the digester today, 30th, to give additional room to waste solids. Operator started wasting immediately. An additional load will be removed Tuesday the 1st of October.
- Operator is making arrangements to have the creek cleaned asap.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#92013-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 9/20/13 @ 8:10 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Rd. at Triangle – Bullitt County

Cause of bypass/overflow: Heavy rain and increased flow. Had to turn the plant blowers off to retain solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?):

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#72213-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 7/22/13 @ 1:07 A.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Due to heavy rain and increased flow into the treatment plant the blowers were turned off to retain the solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#70513-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 7/4/13 @ 7:45 A.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Very heavy rain and increased flow. It was necessary to turn the plant blowers off to retain solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#62713-06

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 6/26/13 @ 10:12 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow #2 lift station (Big Wood)

Location: Hunters Hollow subdivision – Big Wood – Bullitt County

Cause of bypass/overflow: Very Heavy rain and increased flow into the lift station. The station pumps could not keep up with the flow so it was necessary to start up the bypass pump to keep water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#62713-05

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 6/26/13 @ 9:49 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow #1` lift station (Ziniz)

Location: Blue Lick Road at Hillview Blvd.

Cause of bypass/overflow: Very Heavy rain and increased flow into the lift station. The station pumps could not keep up with the flow so it was necessary to start up the bypass pump to keep water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#61813-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 6/17/13 @ 7:15 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Due to heavy rain the plant blowers had to be turned off to retain solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#11113-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 11/1/13 @ 12:40 A.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road @ Triangle

Cause of bypass/overflow: Due to heavy rain it was necessary to start up the 3rd pump (bypass pump) to assist the regular pumps. This is necessary to keep water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. To Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#103013-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 10/30/13 @ 5:30 A.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road @ Triangle

Cause of bypass/overflow: Due to heavy rain in the area, the plant blowers had to be turned off to retain solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. To Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#11113-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 10/31/13 @ 9:12 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow Lift Station #1

Location: Blue Lick Road @ Hillview Blvd.

Cause of bypass/overflow: Due to heavy rain it was necessary to start up the 3rd pump (bypass pump) and a portable pump to assist the regular pumps. This is necessary to keep water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#103013-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 10/30/13 @ 5:30 A.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road @ Triangle

Cause of bypass/overflow: Due to heavy rain in the area, the plant blowers had to be turned off to retain solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. To Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#92113-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 9/21/13 @ 12:40 A.M.

Date and Time bypass/overflow ended: 9/21/13 @ 6:20 P.M.

Responsible/Affected facility: Hunters Hollow #1 lift station (Ziniz)

Location: Blue Lick at Hillview Blvd. _ Bullitt County

Cause of bypass/overflow: Very heavy rain and increased flow into the lift station.. The station pumps could not keep up with the flow so a portable pump had to be started to keep the level down in the station and keep water out of basements.

Estimated gallons of loss: 153,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: Will be cleaned up Monday the 23rd.

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#92013-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 9/20/13 @ 8:10 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Rd. at Triangle – Bullitt County

Cause of bypass/overflow: Heavy rain and increased flow. Had to turn the plant blowers off to retain solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?):

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#10613-04

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 10/5/13 @ 2:04 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Record setting rain and very very heavy flow into the plant caused us to have to turn the blowers off to retain solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#92013-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 9/20/13 @ 8:10 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Rd. at Triangle – Bullitt County

Cause of bypass/overflow: Heavy rain and increased flow. Had to turn the plant blowers off to retain solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?):

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#62713-06

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 6/26/13 @ 10:12 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow #2 lift station (Big Wood)

Location: Hunters Hollow subdivision – Big Wood – Bullitt County

Cause of bypass/overflow: Very Heavy rain and increased flow into the lift station. The station pumps could not keep up with the flow so it was necessary to start up the bypass pump to keep water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#62713-05

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 6/26/13 @ 9:49 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow #1 lift station (Ziniz)

Location: Blue Lick Road at Hillview Blvd.

Cause of bypass/overflow: Very Heavy rain and increased flow into the lift station. The station pumps could not keep up with the flow so it was necessary to start up the bypass pump to keep water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#42813-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 4/27/13 @ 9:15 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road @ Triangle - Bullitt County

Cause of bypass/overflow: Due to heavy rain and increased flow the plant blowers had to be turned off to retain the solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. To Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#50613-04

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 5/3/13 @ 9:10 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow WWTP

Location: Hunters Hollow Subdivision – Blue Lick RD. at Triangle – Bullitt County

Cause of bypass/overflow: Heavy rain and increased flow. Had to turn the plant blowers off to retain the solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to S. Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#51113-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 5/10/13 @ 3:05 P.M.

Date and Time bypass/overflow ended: 5/10/13 @ 8:35 P.M.

Responsible/Affected facility: Hunters Hollow Lift Station #1 (Ziniz)

Location: Blue Lick Road at Hillview Blvd. - Bullitt County

Cause of bypass/overflow: Heavy rain and increased flow into the lift station. The bypass pump had to be turned on to prevent sewage from backing up into basements.

Estimated gallons of loss: 45,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: None necessary

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#62713-06

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 6/26/13 @ 10:12 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow #2 lift station (Big Wood)

Location: Hunters Hollow subdivision – Big Wood – Bullitt County

Cause of bypass/overflow: Very Heavy rain and increased flow into the lift station. The station pumps could not keep up with the flow so it was necessary to start up the bypass pump to keep water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#62713-05

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 6/26/13 @ 9:49 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow #1` lift station (Ziniz)

Location: Blue Lick Road at Hillview Blvd.

Cause of bypass/overflow: Very Heavy rain and increased flow into the lift station. The station pumps could not keep up with the flow so it was necessary to start up the bypass pump to keep water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#72213-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 7/22/13 @ 1:07 A.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Due to heavy rain and increased flow into the treatment plant the blowers were turned off to retain the solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#51113-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 5/10/13 @ 3:05 P.M.

Date and Time bypass/overflow ended: 5/10/13 @ 8:35 P.M.

Responsible/Affected facility: Hunters Hollow Lift Station #1 (Ziniz)

Location: Blue Lick Road at Hillview Blvd. - Bullitt County

Cause of bypass/overflow: Heavy rain and increased flow into the lift station. The bypass pump had to be turned on to prevent sewage from backing up into basements.

Estimated gallons of loss: 45,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: None necessary

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
May 11 2013 2:09PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
May 11	2:08PM	Fax Sent	5024297125	0:33 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#62713-06

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 6/26/13 @ 10:12 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow #2 lift station (Big Wood)

Location: Hunters Hollow subdivision – Big Wood – Bullitt County

Cause of bypass/overflow: Very Heavy rain and increased flow into the lift station. The station pumps could not keep up with the flow so it was necessary to start up the bypass pump to keep water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#92013-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 9/20/13 @ 8:10 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Rd. at Triangle – Bullitt County

Cause of bypass/overflow: Heavy rain and increased flow. Had to turn the plant blowers off to retain solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?):

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#62713-05

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 6/26/13 @ 9:49 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow #1` lift station (Ziniz)

Location: Blue Lick Road at Hillview Blvd.

Cause of bypass/overflow: Very Heavy rain and increased flow into the lift station. The station pumps could not keep up with the flow so it was necessary to start up the bypass pump to keep water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#50613-04

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 5/3/13 @ 9:10 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow WWTP

Location: Hunters Hollow Subdivision – Blue Lick RD. at Triangle – Bullitt County

Cause of bypass/overflow: Heavy rain and increased flow. Had to turn the plant blowers off to retain the solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to S. Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
May 06 2013 1:41PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
May 6	1:40PM	Fax Sent	5024297125	0:32 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#42813-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 4/27/13 @ 9:15 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road @ Triangle - Bullitt County

Cause of bypass/overflow: Due to heavy rain and increased flow the plant blowers had to be turned off to retain the solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. To Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Apr 28 2013 8:51PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Apr 28	8:50PM	Fax Sent	5024297125	0:39 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#62713-06

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 6/26/13 @ 10:12 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow #2 lift station (Big Wood)

Location: Hunters Hollow subdivision – Big Wood – Bullitt County

Cause of bypass/overflow: Very Heavy rain and increased flow into the lift station. The station pumps could not keep up with the flow so it was necessary to start up the bypass pump to keep water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Jun 27 2013 5:27PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Jun 27	5:27PM	Fax Sent	5024297125	0:33 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#70513-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 7/4/13 @ 7:45 A.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Very heavy rain and increased flow. It was necessary to turn the plant blowers off to retain solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Jul 05 2013 1:41PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Jul 5	1:40PM	Fax Sent	5024297125	0:32 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#70513-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 7/4/13 @ 7:45 A.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Very heavy rain and increased flow. It was necessary to turn the plant blowers off to retain solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#72213-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 7/22/13 @ 1:07 A.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Due to heavy rain and increased flow into the treatment plant the blowers were turned off to retain the solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Jul 22 2013 1:32PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Jul 22	1:32PM	Fax Sent	5024297125	0:33 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#62713-05

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 6/26/13 @ 9:49 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow #1` lift station (Ziniz)

Location: Blue Lick Road at Hillview Blvd.

Cause of bypass/overflow: Very Heavy rain and increased flow into the lift station. The station pumps could not keep up with the flow so it was necessary to start up the bypass pump to keep water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Jun 27 2013 5:26PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Jun 27	5:25PM	Fax Sent	5024297125	0:32 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#10613-04

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 10/5/13 @ 2:04 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Record setting rain and very very heavy flow into the plant caused us to have to turn the blowers off to retain solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Oct 06 2013 5:56PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Oct 6	5:55PM	Fax Sent	5024297125	0:32 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#92013-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 9/20/13 @ 8:10 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Rd. at Triangle – Bullitt County

Cause of bypass/overflow: Heavy rain and increased flow. Had to turn the plant blowers off to retain solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?):

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Sep 20 2013 9:53PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Sep 20	9:52PM	Fax Sent	4297125	0:38 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#92113-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 9/21/13 @ 12:40 A.M.

Date and Time bypass/overflow ended: 9/21/13 @ 6:20 P.M.

Responsible/Affected facility: Hunters Hollow #1 lift station (Ziniz)

Location: Blue Lick at Hillview Blvd. _ Bullitt County

Cause of bypass/overflow: Very heavy rain and increased flow into the lift station.. The station pumps could not keep up with the flow so a portable pump had to be started to keep the level down in the station and keep water out of basements.

Estimated gallons of loss: 153,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: Will be cleaned up Monday the 23rd.

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Sep 21 2013 9:34PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Sep 21	9:34PM	Fax Sent	4297125	0:32 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#31113-01

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 3/11/13 @ 7:45 A.M.

Date and Time bypass/overflow ended: 3/12/13 @ 9:43 A.M.

Responsible/Affected facility: Hunters Hollow Lift Station #1 (Ziniz)

Location: Blue Lick Road at Hillview

Cause of bypass/overflow: Very heavy flow into the lift station due to rain. The lift station pumps could not keep up so the emergency by pass pump had to be started up.

Estimated gallons of loss: 144,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: None necessary

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Apr 10 2013 5:02PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Apr 10	5:00PM	Fax Sent	5024297125	1:53 N/A	7	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#31813-06

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 3/17/13 @ 8:40 A.M.

Date and Time bypass/overflow ended: 3/21 @ 3:45

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road @ Triangle – Bullitt County

Cause of bypass/overflow: Heavy rain and increased flow into the treatment plant so the operator had to turn the blowers off to retain the solids in the plant.

Estimated gallons of loss: 600,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: Bullitt Septic Serv. will clean

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Mar 18 2013 7:53PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Mar 18	7:53PM	Fax Sent	5024297125	0:33 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#31813-07

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 3/18/13 @ 7:30 A.M.

Date and Time bypass/overflow ended: 3/18/13 @ 10:00 pm

Responsible/Affected facility: Hunters Hollow Subdivision WWTP Lift Station

Location: Blue Lick Road @ Triangle – Bullitt County

Cause of bypass/overflow: Heavy rain and increased flow into the plant lift station. The station pumps could not keep up with the flow, so a portable bypass pump had to be started up to make sure water didn't back up in any basements.

Estimated gallons of loss: 225,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: all solids mat. was raked up and properly disposed of

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Mar 18 2013 7:54PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Mar 18	7:54PM	Fax Sent	5024297125	0:33 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#31813-08

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 3/18/13 @ 7:45 A.M.

Date and Time bypass/overflow ended: 3/19/13 @ ~~10:35 PM~~ 6:00 AM

Responsible/Affected facility: Hunters Hollow Subdivision Lift Station #1 (Ziniz)

Location: Blue Lick Road @ Hillview Blvd. – Bullitt County

Cause of bypass/overflow: Heavy rain and increased flow into the lift station. The station pumps could not keep up with the flow, so a portable bypass pump had to be started up to make sure water didn't back up in any basements.

Estimated gallons of loss: 216,000

Environmental impact (what streams are impacted?): Storm Ditch

Method of cleanup: all solid mat. was raked up.

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Mar 18 2013 7:56PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Mar 18	7:55PM	Fax Sent	5024297125	0:32 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#31113-07

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 3/11/13 @ 2:20 P.M.

Date and Time bypass/overflow ended: 3/12/13 @ 9:30 am

Responsible/Affected facility: Hunters Hollow WWTP Pumping Station

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Very heavy flow into the lift station due to rain. The lift station pumps could not keep up so a portable by pass pump had to be started up.

Estimated gallons of loss: 17,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: Anne Reason

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Mar 11 2013 5:02PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Mar 11	5:01PM	Fax Sent	5024297125	0:33 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#122213-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 12/21/13 @ 5:47 A.M.

Date and Time bypass/overflow ended: 12/22/13 @ 3:44 A.M.

Responsible/Affected facility: Hunters Hollow Subdivision Lift Station #1

Location: Blue Lick Road @ Hillview Blvd. – Bullitt County

Cause of bypass/overflow: Very heavy rain and increased flow into the lift station the bypass pump had to be started up to keep water out of basements.

Estimated gallons of loss: 216,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: None required.

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Dec 31 2013 4:25PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Dec 31	4:25PM	Fax Sent	4297125	0:32 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#122213-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 12/21/13 @ 5:47 A.M.

Date and Time bypass/overflow ended: 12/22 @ 3:44 Am

Responsible/Affected facility: Hunters Hollow Subdivision Lift Station #1

Location: Blue Lick Road @ Hillview Blvd. – Bullitt County

Cause of bypass/overflow: Very heavy rain and increased flow into the lift station the bypass pump had to be started up to keep water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: None required.

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Dec 22 2013 6:27PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Dec 22	6:26PM	Fax Sent	4297125	0:32 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#122213-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 12/21/13 @ 4:40 A.M.

Date and Time bypass/overflow ended: 12/27/13 @ 5:40 P.M.

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road @ Triangle – Bullitt County

Cause of bypass/overflow: Very heavy rain and increased flow into the treatment plant. Had to turn the plant blowers off to retain solids in the plant.

Estimated gallons of loss: 900,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: None Necessary

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Dec 31 2013 4:24PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Dec 31	4:23PM	Fax Sent	4297125	0:32 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#122213-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 12/21/13 @ 4:40 A.M.

Date and Time bypass/overflow ended: 12/27 @ 5:40 pm

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road @ Triangle – Bullitt County

Cause of bypass/overflow: Very heavy rain and increased flow into the treatment plant. Had to turn the plant blowers off to retain solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Dec 22 2013 6:25PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Dec 22	6:25PM	Fax Sent	4297125	0:34 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#12613-04

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 12/6/13 @ 4:22 P.M.

Date and Time bypass/overflow ended: 12/8/13 @ 9:30 P.M.

Responsible/Affected facility: Hunters Hollow Subdivision lift station #1 (Ziniz)

Location: Blue Lick Road at Hillview Blvd. – Bullitt County

Cause of bypass/overflow: Due to heavy rain, then sleet and snow the flow into the lift station was very heavy. The bypass pump had to be started up to keep water out of basements.

Estimated gallons of loss: 432,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: No clean up required

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Dec 20 2013 5:49PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Dec 20	5:48PM	Fax Sent	4297125	0:33 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#12613-04

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 12/6/13 @ 4:22 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow Subdivision lift station #1 (Ziniz)

Location: Blue Lick Road at Hillview Blvd. – Bullitt County

Cause of bypass/overflow: Due to heavy rain, then sleet and snow the flow into the lift station was very heavy. The bypass pump had to be started up to keep water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Dec 06 2013 6:54PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Dec 6	6:54PM	Fax Sent	4297125	0:32 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#12613-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 12/6/13 @ 4:10 P.M.

Date and Time bypass/overflow ended: 12/10/13 @ 10:28 P.M.

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Due to heavy rain, then sleet and snow the flow into the plant was heavy. Had to turn the blowers off to the plants to retain the solids in the plant.

Estimated gallons of loss: 720,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: No clean up required

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Dec 20 2013 5:48PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Dec 20	5:47PM	Fax Sent	4297125	0:33 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#12613-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 12/6/13 @ 4:10 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Due to heavy rain, then sleet and snow the flow into the plant was heavy. Had to turn the blowers off to the plants to retain the solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Dec 06 2013 6:53PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Dec 6	6:52PM	Fax Sent	4297125	0:38 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#111713-01 (Revised)

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 11/17/13 @ 6:42 A.M.

Date and Time bypass/overflow ended: 11/21/13 @ 11:30 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Due to very heavy rain and increased flow into the plant we had to turn the blowers off to retain the solids in the plant.

Estimated gallons of loss: 900,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: Operator inspected the stream and found a few pockets of sludge. This will be scheduled to be cleaned out as soon as possible.
Bullitt Septic Tank Service finished cleaning the creek 12/3/13 – A.M.

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Dec 04 2013 3:25PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Dec 4	3:25PM	Fax Sent	4297125	0:38 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#111713-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 11/17/13 @ 6:42 A.M.

Date and Time bypass/overflow ended: 11/21/13 @ 11:30 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Due to very heavy rain and increased flow into the plant we had to turn the blowers off to retain the solids in the plant.

Estimated gallons of loss: 900,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: Operator inspected the stream and found a few pockets of sludge. This will be scheduled to be cleaned out as soon as possible.

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Nov 22 2013 5:15PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Nov 22	5:14PM	Fax Sent	4297125	0:32 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#111713-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 11/17/13 @ 6:42 A.M.

Date and Time bypass/overflow ended: 11/21/13 @ 11:30

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Due to very heavy rain and increased flow into the plant we had to turn the blowers off to retain the solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Nov 17 2013 11:20PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Nov 17	11:19PM	Fax Sent	4297125	0:39 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#112213-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 11/22/13 @ 9:12 A.M.

Date and Time bypass/overflow ended: 11/25/13 @ 9:38 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Due to rain in the early morning hours and increased flow into the plant we had to turn the blowers off to retain the solids in the plant.

Estimated gallons of loss: 540,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: Some light sludge pockets in the creek. The creek cleaning was finished by Bullitt Septic Tank Service on 12/3/13 - A.M.

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Dec 04 2013 3:31PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Dec 4	3:30PM	Fax Sent	4297125	0:33 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#112213-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 11/22/13 @ 9:12 A.M.

Date and Time bypass/overflow ended: 11/25/13 @ 9:38 Am

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Due to rain in the early morning hours and increased flow into the plant we had to turn the blowers off to retain the solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Nov 22 2013 5:16PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Nov 22	5:15PM	Fax Sent	4297125	0:32 N/A	1	OK

COVERED BRIDGE UTILITIES, INC.
Work Order and Time Record

PLANT NAME Hunters Hollow, MWD, Lake Columbia ( ) CONTRACT ( ) NON-CONTRACT DATE: 11-25-13

LIFT STATION _____ EMPLOYEES NAME David Smith

HOURS WORKED FROM: 8am TO: 12:30 TOTAL TIME ON JOB: 4½ hrs.

WORK PERFORMED: checked plants & sts exercised all equip
all ok. cleaned up. HH on at 9:38am

JOB STATUS: IS JOB COMPLETE? _____ ARE PARTS, MOTORS, PUMPS, ETC. IN SHOP FOR REPAIR _____
OTHER _____

MATERIAL USED (ATTACH INVOICES WITH ALL MATERIAL PURCHASED):

COMPANY EQUIPMENT: CRANE ____ hrs. GAS PUMP ____ hrs. WELDER ____ hrs.

RENTAL EQUIPMENT: CRANE ____ hrs. GAS PUMP ____ hrs. WELDER ____ hrs.

PERSONAL MILEAGE _____ PERSONAL EXPENSES _____

COMPANY MILEAGE _____

HH-20 MWD-28

lake-5

FOR OFFICE USE ONLY:

____ R.T.hrs. @ ____ = ____

____ O.T.hrs. @ ____ = ____

LABOR _____

MILEAGE _____

LABOR + MILEAGE _____

MATERIAL USED _____

EQUIPMENT RENTAL _____

Note: Every employee will complete one of these work orders for each job. All time must be accounted for on these forms. NO EXCEPTIONS.

Jan 28 10 08:25a Lawrence Smither 502-241-7943 p.1

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#111813-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 11/17/13 @ 10:50 A.M.

Date and Time bypass/overflow ended: 11/18/13 @ 2:27 A.M.

Responsible/Affected facility: Hunters Hollow Subdivision lift station #1 (Ziniz)

Location: Blue Lick Road at Hillview Blvd.

Cause of bypass/overflow: Due to very heavy rain and increased flow it was necessary to start up the bypass pump so that we could keep water from backing up into basements.

Estimated gallons of loss: 360,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: Area was inspected and no clean up was necessary.

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Nov 21 2013 11:33AM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Nov 21	11:33AM	Fax Sent	4297125	0:33 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#111813-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 11/17/13 @ 10:50 A.M.

Date and Time bypass/overflow ended: 11/18 @ 2:27 AM

Responsible/Affected facility: Hunters Hollow Subdivision lift station #1 (Ziniz)

Location: Blue Lick Road at Hillview Blvd.

Cause of bypass/overflow: Due to very heavy rain and increased flow it was necessary to start up the bypass pump so that we could keep water from backing up into basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Nov 18 2013 10:46AM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Nov 18	10:45AM	Fax Sent	4297125	0:32 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#111813-06

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 11/17/13 @ 3:00 P.M.

Date and Time bypass/overflow ended: 11/18/13 @ 8:00 A.M.

Responsible/Affected facility: Hunters Hollow Subdivision WWTP pumping station

Location: Blue Lick Road at Triangle.

Cause of bypass/overflow: Due to very heavy rain and increased flow it was necessary to start up the bypass pump so that we could keep water from backing up into basements.

Estimated gallons of loss: 270,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: None necessary but lime was spread on the effected area.

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Nov 21 2013 11:34AM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Nov 21	11:34AM	Fax Sent	4297125	0:30 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#111813-06

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 11/17/13 @ 3:00 P.M.

Date and Time bypass/overflow ended: 11/18 @ 8:00 Am

Responsible/Affected facility: Hunters Hollow Subdivision WWTP pumping station

Location: Blue Lick Road at Triangle.

Cause of bypass/overflow: Due to very heavy rain and increased flow it was necessary to start up the bypass pump so that we could keep water from backing up into basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Nov 18 2013 10:53AM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Nov 18	10:53AM	Fax Sent	4297125	0:32 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#72313-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 7/22/13 @ 3:45 P.M.

Date and Time bypass/overflow ended: 7/22/13 @ 9:15 P.M.

Responsible/Affected facility: Hunters Hollow Subdivision lift station #1 (Ziniz)

Location: Blue Lick Road at Hillview Blvd. – Bullitt County

Cause of bypass/overflow: Due to heavy rain and increased flow into the lift station the primary pumps could not keep up with the flow so it was necessary to start up the bypass pump to keep water out of basements.

Estimated gallons of loss: 82,500

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: Yet to be determined

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Jul 23 2013 9:19AM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Jul 23	9:18AM	Fax Sent	5024297125	0:33 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#62613-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 6/26/13 @ 5:58 A.M.

Date and Time bypass/overflow ended: 6/29/13 @ 8:20 A.M.

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Due to heavy rain it was necessary to turn the blowers off to retain the solids in the plant.

Estimated gallons of loss: 480,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: None necessary

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Jul 05 2013 1:42PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Jul 5	1:41PM	Fax Sent	5024297125	0:32 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#62613-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 6/26/13 @ 5:58 A.M.

Date and Time bypass/overflow ended: 6/29 @ 8:20 Am

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Due to heavy rain it was necessary to turn the blowers off to retain the solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: None

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Jun 26 2013 4:43PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Jun 26	4:43PM	Fax Sent	5024297125	0:33 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#21913-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 2/19/13 @ 2:50 A.M.

Date and Time bypass/overflow ended: 2/20/13 @ 8:37 A.M.

Responsible/Affected facility: Hunters Hollow Lift Station #1

Location: Blue Lick Road at Hillview Blvd.

Cause of bypass/overflow: Due to rain and heavy flow the emergency by pass pump had to be started up because the other two pumps couldn't keep up.

Estimated gallons of loss: 144,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: No clean up required

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Feb 27 2013 11:37AM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Feb 27	11:36AM	Fax Sent	5024297125	0:30 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#21913-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 2/19/13 @ 2:50 A.M.

Date and Time bypass/overflow ended: 2/20/13 @ 8:37 Am.

Responsible/Affected facility: Hunters Hollow Lift Station #1

Location: Blue Lick Road at Hillview Blvd.

Cause of bypass/overflow: Due to rain and heavy flow the emergency by pass pump had to be started up because the other two pumps couldn't keep up.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: No clean up required.

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Feb 19 2013 5:41PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Feb 19	5:40PM	Fax Sent	5024297125	0:33 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#21913-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 2/18/13 @ 9:10 P.M.

Date and Time bypass/overflow ended: 2/25/13 @ 8:20 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Due to rain and heavy flow the blowers were turned off to retain solids in the plant.

Estimated gallons of loss: 750,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: There are some solids in the creek and they will be cleaned out as soon as the weather permits.

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Feb 26 2013 5:01PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Feb 26	5:00PM	Fax Sent	5024297125	0:38 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#21913-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 2/18/13 @ 9:10 P.M.

Date and Time bypass/overflow ended: 2/25/13 @ 8:20

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Due to rain and heavy flow the blowers were turned off to retain solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: Some sludge in the creek will be cleaned out as soon as the weather is permitting

Comments:

Notification received by:

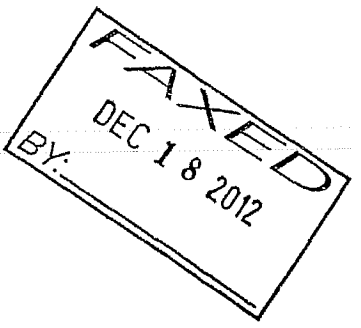
Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Feb 19 2013 5:40PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Feb 19	5:39PM	Fax Sent	5024297125	0:32 N/A	1	OK



Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#121512-01

TEMPO Incident ID#:

Notified by:

Date and Time bypass/overflow started: 12/15/12 @ 11:15 A.M.

Date and Time bypass/overflow ended: 12/18/12 @ 7:50 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Heavy rain – increased flow - had to turn the plant blowers off.

Estimated gallons of loss: 540,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: Some clean up will be necessary

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Dec 18 2012 10:46AM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Dec 18	10:45AM	Fax Sent	4297125	0:32 N/A	1	OK

FAXED
OCT 2 9 2012
BY:

FAXED
OCT 2 6 2012
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#102612-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 10/26/12 @ 4:41 P.M.

Date and Time bypass/overflow ended: 10/27/12 @ 9:45 A.M.

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Rain and increased flow into the plant – operator had to turn the plant blowers off to retain solids in the plant.

Estimated gallons of loss: 60,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: None necessary

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Oct 29 2012 9:45AM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Oct 29	9:44AM	Fax Sent	5024297125	0:39 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#11113-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 1/11/13 @ 8:30 A.M.

Date and Time bypass/overflow ended: 1/21/13 @ 8:25 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Due to rain and heavy flow into the plant it was necessary to turn the blowers off to retain the solids in the plant.

Estimated gallons of loss: 1.6

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: Some creek cleaning is necessary but will have to wait until the weather warms up some. Should be done by the end of the week.

Comments:

Notification received by:

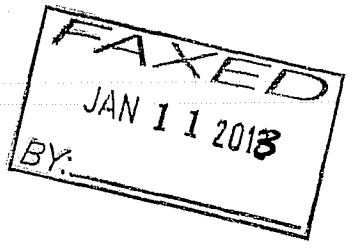
Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Jan 22 2013 5:03PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Jan 22	5:02PM	Fax Sent	5024297125	0:32 N/A	1	OK



Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#11113-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 1/11/13 @ 8:30 A.M.

Date and Time bypass/overflow ended: On going 1/21/13 @ ~~8:40~~ 8:25 Am

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Due to rain and heavy flow into the plant it was necessary to turn the blowers off to retain the solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

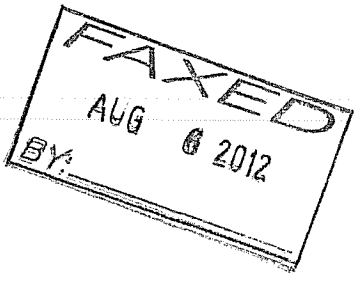
Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Jan 11 2013 5:45PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Jan 11	5:45PM	Fax Sent	4297125	0:32 N/A	1	OK



Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#80612-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 8/4/12 @ 3:30 P.M.

Date and Time bypass/overflow ended: 8/5/12 @ 8:20 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle - Bullitt County

Cause of bypass/overflow: Heavy Rain – Increased flow – Had to turn the plant blowers off to retain solids in the plant.

Estimated gallons of loss: 127,500

Environmental impact (what streams are impacted?): Trib. To Brooks Run

Method of cleanup: Some solids were found in the creek and they will be removed.

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Aug 06 2012 10:17PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Aug 6	10:17PM	Fax Sent	4297125	0:32 N/A	1	OK

FAXED
SEP 05 2012
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#90312-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 9/02/12 @ 12:50 P.M.

Date and Time bypass/overflow ended: 9/4/12 @ 8:20 A.M.

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Heavy rain. Operator had to turn the blowers off to retain the solids in the plant.

Estimated gallons of loss: 270,000

Environmental impact (what streams are impacted?): Trib to Brook Run

Method of cleanup: There is some sludge in the creek that will be cleaned up.

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Sep 05 2012 6:55PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Sep 5	6:54PM	Fax Sent	5024297125	0:32 N/A	1	OK

FAXED
SEP 06 2012
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#90612-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 9/5/12 @ 6:00 P.M.

Date and Time bypass/overflow ended: 9/6/12 @ 8:45 A.M.

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle - - Bullitt County

Cause of bypass/overflow: Severe thunderstorms in the area. Had to turn the plant blowers off to retain solids in the plant.

Estimated gallons of loss: 108,750

Environmental impact (what streams are impacted?): Trib. to Brook Run

Method of cleanup: There are some solids in the creek that will be cleaned out

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Sep 06 2012 11:37AM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Sep 6	11:36AM	Fax Sent	5024297125	0:33 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#13013-02

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 1/30/13 @ 6:14 A.M.

Date and Time bypass/overflow ended: 1/31/13 @ 8:20 A.M.

Responsible/Affected facility: Hunters Hollow Lift Station #1 (Ziniz)

Location: Blue Lick Road at Hillview Blvd. – Bullitt County

Cause of bypass/overflow: Rain and heavy flow – Started up the emergency pump, or bypass pump, because the two primary pumps could not keep up with the flow. The emergency pump is needed to keep water out of basements.

Estimated gallons of loss: 216,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: None necessary

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Feb 19 2013 4:45PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Feb 19	4:44PM	Fax Sent	5024297125	0:32 N/A	1	OK

FAXED
JAN 3 0 2013
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#13013-02

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 1/30/13 @ 6:14 A.M.

Date and Time bypass/overflow ended: ~~2/6/13 @ 6:45 am~~ 1/31/13 @ 8:20 am

Responsible/Affected facility: Hunters Hollow Lift Station #1 (Ziniz)

Location: Blue Lick Road at Hillview Blvd. – Bullitt County

Cause of bypass/overflow: Rain and heavy flow – Started up the emergency pump, or bypass pump, because the two primary pumps could not keep up with the flow. The emergency pump is needed to keep water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: Pump Necessary

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Jan 30 2013 2:21PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Jan 30	2:20PM	Fax Sent	5024297125	0:33 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#13013-01

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 1/30/13 @ 1:22 A.M.

Date and Time bypass/overflow ended: 2/6/13 @ 6:45 P.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Rain and heavy flow – Operator turned the blowers off to retain the solids in the plant.

Estimated gallons of loss: 750,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: There is a light amount of solids in the creek that will be pumped out with a tank truck.

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Feb 19 2013 4:43PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Feb 19	4:43PM	Fax Sent	5024297125	0:38 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#13013-01

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 1/30/13 @ 1:22 A.M.

Date and Time bypass/overflow ended: 2/6/13 @ 6:45

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Rain and heavy flow – Operator turned the blowers off to retain the solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: there are some solids in the creek that will be removed

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Jan 30 2013 2:17PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Jan 30	2:16PM	Fax Sent	5024297125	0:31 N/A	1	OK

FAXED
FEB 18 2013
BY: 5:29

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#92612-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 9/25/12 @ 10:19 A.M.

Date and Time bypass/overflow ended: 10/1/12 @ 8:15 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Triangle at Blue Lick Road - Bullitt County

Cause of bypass/overflow: Due to heavy rain and increased flow the blowers had to be turned of to retain solids in the plant.

Estimated gallons of loss: 900,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: Creek will need to be cleaned. (Note: That it was cleaned on 10/10/12)

Comments:

Notification received by:

Notification date and time:

FAXED
FEB 18 2013
BY: 5:29

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#10212-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 10/1/12 @ 2:09 P.M.

Date and Time bypass/overflow ended: 10/3/12 @ 8:15 A.M.

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Heavy rain – increased flow – had to turn off the plant blowers to retain solids in the plant

Estimated gallons of loss: 270,000

Environmental impact (what streams are impacted?): Trib. To Brook Run

Method of cleanup: Bullitt County Septic Service cleaned the creek on 10/10/12.

Comments:

Notification received by:

Notification date and time:

FAXED
FEB 18 2013
BY: 5:29

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#10212-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 10/1/12 @ 2:09 P.M.

Date and Time bypass/overflow ended: 10/3/12 @ 8:15 A.M.

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Heavy rain – increased flow – had to turn off the plant blowers to retain solids in the plant

Estimated gallons of loss: 270,000

Environmental impact (what streams are impacted?): Trib. To Brook Run

Method of cleanup: Bullitt County Septic Service cleaned the creek on 10/10/12.

Comments:

Notification received by:

Notification date and time:

FAXED
FEB 18 2013
BY: 5:29

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#112712-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 11/26/12 @ 9:41 P.M.

Date and Time bypass/overflow ended: 11/27/12 @ 12:30 P.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road @ Triangle

Cause of bypass/overflow: Rain and increased flow. Operator turned the blowers off to retain solids in the plant.

Estimated gallons of loss: 135,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: Creek cleaned by Bullitt County Septic Service on 11/29/12.

Comments:

Notification received by:

Notification date and time:

FAXED
FEB 1 8 2013
BY: 5:29

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#120712-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 12/6/12 @ 8:25 P.M.

Date and Time bypass/overflow ended: 12/13/12 @ 8:15 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Rain and heavy flow into the plant. Had to turn the blowers off to retain solids in the plant.

Estimated gallons of loss: 1.1 mil.

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: No cleanup required.

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Feb 18 2013 5:31PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Feb 18	5:29PM	Fax Sent	5024297125	1:50 N/A	7	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#120712-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 12/7/12 @ 6:20 A.M.

Date and Time bypass/overflow ended: 12/8/12 @ 12:21 P.M.

Responsible/Affected facility: Hunters Hollow Lift Station #1 (Ziniz)

Location: Blue Lick Road at Hillview Blvd.

Cause of bypass/overflow: Rain and heavy flow into the lift station. The two main pumps could not keep up with the flow so we had to start up the emergency high level pump.

Estimated gallons of loss: 270,000

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup: No clean up required.

Comments:

Notification received by:

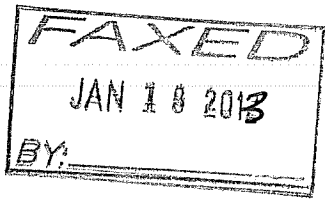
Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Feb 18 2013 5:35PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Feb 18	5:34PM	Fax Sent	5024297125	0:33 N/A	1	OK



Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#11313-05

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 1/13/13 @ 3:45 P.M.

Date and Time bypass/overflow ended: 1/14/13 @ 12:00 P.M.

Responsible/Affected facility: Hunters Hollow #2 Lift Station

Location: Bigwood Way – Bullitt County

Cause of bypass/overflow: Due to heavy rain and very heavy flow into this lift station wet well, the lift station pumps could not keep up with the incoming flow. It was necessary to start up the emergency pump to assist the lift station pumps in keeping water out of basements.

Estimated gallons of loss: 264,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: Debris was raked up off the ground and lime spread over the effected area.

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Jan 18 2013 2:34PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Jan 18	2:33PM	Fax Sent	4297125	0:33 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#11313-05

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 1/13/13 @ 3:45 P.M.

Date and Time bypass/overflow ended: On going 1/14/13 @ 12:00 pm

Responsible/Affected facility: Hunters Hollow #2 Lift Station

Location: Bigwood Way - Jefferson County

Cause of bypass/overflow: Due to heavy rain and very heavy flow into this lift station wet well, the lift station pumps could not keep up with the incoming flow. It was necessary to start up the emergency pump to assist the lift station pumps in keeping water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup:

Comments:

Notification received by:

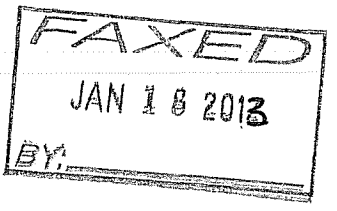
Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Jan 13 2013 10:05PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Jan 13	10:05PM	Fax Sent	4297125	0:33 N/A	1	OK



Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#11313-04

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 1/13/13 @ 3:34 P.M.

Date and Time bypass/overflow ended: 1/14/13 @ 12:00 P.M.

Responsible/Affected facility: Hunters Hollow #1 Lift Station (Ziniz)

Location: Blue Lick Road at Hillview Blvd. - Jefferson County

Cause of bypass/overflow: Due to heavy rain and very heavy flow into this lift station wet well, the lift station pumps could not keep up with the incoming flow. It was necessary to set up a portable pump to assist the lift station pumps in keeping water out of basements.

Estimated gallons of loss: 462,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: A small amount of debris was raked up and lime spread on the effected area.

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Jan 18 2013 2:22PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Jan 18	2:22PM	Fax Sent	4297125	0:33 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#11313-04

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 1/13/13 @ 3:34 P.M.

Date and Time bypass/overflow ended: On going 1/14/13 @ 12:00 pm

Responsible/Affected facility: Hunters Hollow #1 Lift Station (Ziniz)

Location: Blue Lick Road at Hillview Blvd. - Jefferson County

Cause of bypass/overflow: Due to heavy rain and very heavy flow into this lift station wet well, the lift station pumps could not keep up with the incoming flow. It was necessary to set up a portable pump to assist the lift station pumps in keeping water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Jan 13 2013 10:01PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Jan 13	10:00PM	Fax Sent	4297125	0:33 N/A	1	OK

FAXED
JAN 18 2012
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#11313-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 1/13/13 @ 3:00 P.M.

Date and Time bypass/overflow ended: 1/14/13 @ 8:35P.M.

Responsible/Affected facility: Hunters Hollow WWTP Lift Station

Location: Blue Lick Road at Triangle - Jefferson County

Cause of bypass/overflow: Due to heavy rain and very heavy flow into this lift station wet well, the lift station pumps could not keep up with the incoming flow. It was necessary to set up a portable pump to assist the lift station pumps in keeping water out of basements.

Estimated gallons of loss: 360,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: Raked up the debris that was on the ground and spread lime on the effected area.

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Jan 18 2013 2:06PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Jan 18	2:05PM	Fax Sent	4297125	0:34 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#11313-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 1/13/13 @ 3:00 P.M.

Date and Time bypass/overflow ended: ~~On going~~ 1/14/13 @ 8:35 pm

Responsible/Affected facility: Hunters Hollow WWTP Lift Station

Location: Blue Lick Road at Triangle - Jefferson County

Cause of bypass/overflow: Due to heavy rain and very heavy flow into this lift station wet well, the lift station pumps could not keep up with the incoming flow. It was necessary to set up a portable pump to assist the lift station pumps in keeping water out of basements.

Estimated gallons of loss: 360,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: Raked up debris and spread lime on effected area

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Jan 13 2013 9:58PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Jan 13	9:57PM	Fax Sent	4297125	0:31 N/A	1	OK

FAXED
DEC 7 2012
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#12512-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 12/4/12 @ 4:39 P.M.

Date and Time bypass/overflow ended: 12/5/12 @ 5:45 P.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Rain and heavy flow into the plant. Had to turn the blowers off to retain solids in the plant.

Estimated gallons of loss: 180,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: None necessary

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Dec 07 2012 11:46AM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Dec 7	11:45AM	Fax Sent	4297125	0:33 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#12312-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 1/23/12 @ 1:51 A.M.

Date and Time bypass/overflow ended: 1/30/12 @ 8:10 P.M.

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Do to heavy rain and much increased flow, the blower had to be turned off at the plant.

Estimated gallons of loss: 1.3 million

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: There is paper etc., on the ground and it will be cleaned up on the 24th. The clean up was done on the 24th. No additional clean up necessary.

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#12712-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 1/26/12 @ 7:40 P.M.

Date and Time bypass/overflow ended: 1/30/12 @ 7:50 A.M.

Responsible/Affected facility: Hunters Hollow Lift Station #2

Location: Big Wood Way – Bullitt County

Cause of bypass/overflow: Very heavy rain and increased flow into the lift station. The station pumps could keep up by themselves so the emergency pump had to be started up to keep water out of basements.

Estimated gallons of loss: 756,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: Raked the effected area and disposed of the material.

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#30412-01

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 3/2/12 @ 3:55 P.M.

Date and Time bypass/overflow ended: 3/6/12 @ 8:30 A.M.

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road @ Triangle

Cause of bypass/overflow: Heavy rain and increased flow into the plant. Operator had to turn the plant blower off to retain the solids in the plant.

Estimated gallons of loss: 663,750

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: No clean up required

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#30412-01

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 3/2/12 @ 3:55 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road @ Triangle

Cause of bypass/overflow: Heavy rain and increased flow into the plant. Operator had to turn the plant blower off to retain the solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run.

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#32412-01

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 3/24/12 @ 6:45 A.M.

Date and Time bypass/overflow ended: 3/26/12 @ 8:10 A.M.

Responsible/Affected facility: Hunters Hollow Lift Station #1 (Ziniz)

Location: Blue Lick at Hillview Blvd. – Bullitt County

Cause of bypass/overflow: Due to rain and increased flow lift station pumps could not keep up. Had to turn on the emergency (high level) pump.

Estimated gallons of loss: 443,250

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: Raked the effected area and disposed of the material.

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#32412-01

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 3/24/12 @ 6:45 A.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow Lift Station #1 (Ziniz)

Location: Blue Lick at Hillview Blvd. -- Bullitt County

Cause of bypass/overflow: Due to rain and increased flow lift station pumps could not keep up. Had to turn on the emergency (high level) pump.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#50512-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 5/5/12 @ 5:20 A.M.

Date and Time bypass/overflow ended: 5/7/12 @ 7:55 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road @ Triangle - - Bullitt County

Cause of bypass/overflow: Very heavy rain – increased flow into the treatment plant. Operator had to turn the plant blower off to retain solids in the plant.

Estimated gallons of loss: 382,500

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: No clean up required.

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#50512-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 5/5/12 @ 5:20 A.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road @ Triangle - - Bullitt County

Cause of bypass/overflow: Very heavy rain – increased flow into the treatment plant. Operator had to turn the plant blower off to retain solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#50512-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 5/5/12 @ 5:35 A.M.

Date and Time bypass/overflow ended: 5/7/12 @ 7:35 A.M.

Responsible/Affected facility: Hunters Hollow Lift Station #1 (Ziniz)

Location: Blue Lick Road @ Hillview Blvd. - - Bullitt County

Cause of bypass/overflow: Very heavy rain – increased flow into the lift station. Had to start up the high level, emergency pump, to stay ahead of the flow and keep water out of basements.

Estimated gallons of loss: 445,500

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: Raked up the effected area and properly disposed of the solid material.

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#50512-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 5/5/12 @ 5:35 A.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow Lift Station #1 (Ziniz)

Location: Blue Lick Road @ Hillview Blvd. - - Bullitt County

Cause of bypass/overflow: Very heavy rain – increased flow into the lift station. Had to start up the high level, emergency pump, to stay ahead of the flow and keep water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#51412-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 5/13/12 @ 3:10 A.M.

Date and Time bypass/overflow ended: 5/15/12 @ 8:10 A.M.

Responsible/Affected facility: Hunters Hollow subdivision WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Very heavy rain and increased flow into the plant. Plant could not handle all the flow so operator had to turn the blower off to retain solids in the plant.

Estimated gallons of loss: 397,500

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: No clean up necessary

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#51412-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 5/13/12 @ 3:10 A.M.

Date and Time bypass/overflow ended: On going

Responsible/Affected facility: Hunters Hollow subdivision WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Very heavy rain and increased flow into the plant. Plant could not handle all the flow so operator had to turn the blower off to retain solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#60112-01

TEMPO Incident ID#:

Notified by: Lawrence Smither

Date and Time bypass/overflow started: 5/31/12 @ 8:10 P.M.

Date and Time bypass/overflow ended: 6/2/12 @ 2:25 A.M.

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Very heavy rain and increased flow. Operator had to turn the plant blower off to retain the solids in the plant.

Estimated gallons of loss: 228,750

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: No clean up necessary

Comments:

Notification received by:

Notification date and time:

FAXED
JUN 1 2012
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#60112-01

TEMPO Incident ID#:

Notified by: Lawrence Smither

Date and Time bypass/overflow started: 5/31/12 @ 8:10 P.M.

Date and Time bypass/overflow ended: On going

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Very heavy rain and increased flow. Operator had to turn the plant blower off to retain the solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

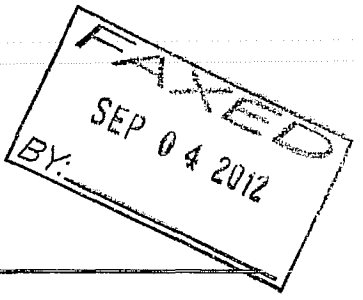
HP Officejet Pro 8600 N911n Series

Fax Log for
Camden Enviornmental Grp.
502-241-7943
Jun 01 2012 8:51AM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Jun 1	8:50AM	Fax Sent	4297125	0:26 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#61812-01



TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 6/17/12 @ 3:49 A.M.

Date and Time bypass/overflow ended: 6/18/12 @ 9:00 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick at Triangle – Bullitt County

Cause of bypass/overflow: Heavy rain and increased flow - - blower had to be turned off.

Estimated gallons of loss: 232,500

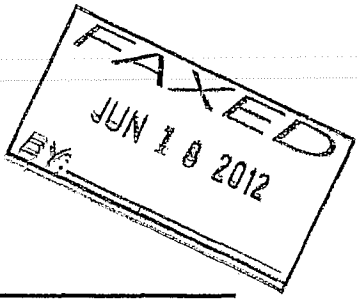
Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: No clean up necessary

Comments:

Notification received by:

Notification date and time:



Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#61812-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 6/17/12 @ 3:49 A.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick at Triangle – Bullitt County

Cause of bypass/overflow: Heavy rain and increased flow - - blower had to be turned off.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

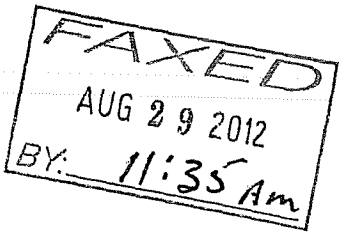
Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Camden Enviornmental Grp.
502-241-7943
Jun 18 2012 3:48PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Jun 18	3:48PM	Fax Sent	4297125	0:26 N/A	1	OK



Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#82712-01

TEMPO Incident ID#:

Notified by:

Date and Time bypass/overflow started: 8/27/12 @ 6:49 P.M.

Date and Time bypass/overflow ended: 8/28/12 @ 8:20 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Due to rain in the area operator had to turn the plant blowers off to retain solids in the plant

Estimated gallons of loss: 101,250

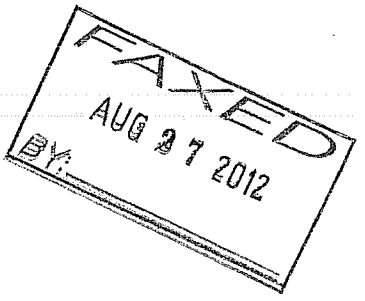
Environmental impact (what streams are impacted?): Trib. To Brooks Run

Method of cleanup: No clean up necessary. Operator inspected creek and it was clean.

Comments:

Notification received by:

Notification date and time:



Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#82712-01

TEMPO Incident ID#:

Notified by:

Date and Time bypass/overflow started: 8/27/12 @ 6:49 P.M.

Date and Time bypass/overflow ended: 8/28/12 8:20

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Due to rain in the area operator had to turn the plant blowers off to retain solids in the plant

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. To Brooks Run

Method of cleanup: As clean up necessary

Comments:

Notification received by:

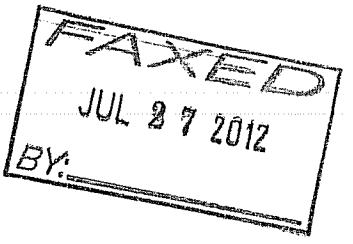
Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Larry Smither
5022417943
Aug 27 2012 7:22PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Aug 27	7:22PM	Fax Sent	4297125	0:32 N/A	1	OK



Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#72012-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 7/19/12 @ 8:03 P.M.

Date and Time bypass/overflow ended: 7/20/12 @ 9:35 A.M.

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle – Hillview – Bullitt County

Cause of bypass/overflow: Very heavy rain. Turned the plant blowers off to retain solids in the plant.

Estimated gallons of loss: 44,000

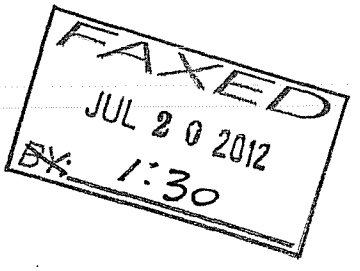
Environmental impact (what streams are impacted?): Trib. To Brooks Run

Method of cleanup: Some solids have been found in the creek and Bullitt Septic is cleaning the creek today – 7/27/12.

Comments:

Notification received by:

Notification date and time:



Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#72012-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 7/19/12 @ 8:03 P.M.

Date and Time bypass/overflow ended: 7/20/12 @ 9:35 Am

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle – Hillview – Bullitt County

Cause of bypass/overflow: Very heavy rain. Turned the plant blowers off to retain solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. To Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#72712-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 7/26/12 @ 11:20 P.M.

Date and Time bypass/overflow ended: 7/27/12 @ 9:45 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Very heavy rain and increased flow. Turned blowers off to retain solids in the plant.

Estimated gallons of loss: 77,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: There were some solids in the creek and the creek is currently being cleaned by Bullitt Septic Service.

Comments:

Notification received by:

Notification date and time:

FAXED
JUL 2 7 2012
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#71912-03 (Revised 7/27/12)

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 7/18/12 @ 10:33 P.M.

Date and Time bypass/overflow ended: 7/19/12 @ 8:35 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Heavy rain and increased flow. Operator turned the plant blowers off to retain solids in the plant.

Estimated gallons of loss: 75,000

Environmental impact (what streams are impacted?): Trib to Brooks Run

Method of cleanup: There were some pockets of solids found to be in the creek and the creek is being cleaned on this date 7/27/12.

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#71912-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 7/18/12 @ 10:33 P.M.

Date and Time bypass/overflow ended: 7/19/12 @ 8:35 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Heavy rain and increased flow. Operator turned the plant blowers off to retain solids in the plant.

Estimated gallons of loss: 75,000

Environmental impact (what streams are impacted?): Trib to Brooks Run

Method of cleanup: No clean up necessary.

Comments:

Notification received by:

Notification date and time:

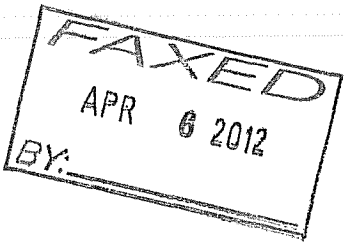
HP Officejet Pro 8600 N911n Series

Fax Log for
Camden Enviornmental Grp.
502-241-7943
Jul 19 2012 1:47PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Jul 19	1:46PM	Fax Sent	4297125	0:26 N/A	1	OK

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#40412-01



TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 4/4/12 @ 7:30 P.M.

Date and Time bypass/overflow ended: 4/6/12 @ 8:05 A.M.

Responsible/Affected facility: Hunters Hollow Wastewater Treatment Plant

Location: Blue Lick at Triangle
Bullitt County

Cause of bypass/overflow: Heavy Rain and increased flow into the treatment plant. Had to turn the plant blower off to retain solids.

Estimated gallons of loss: 270,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: None necessary

Comments:

Notification received by:

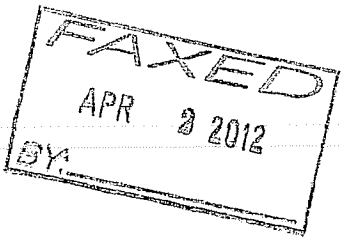
Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Camden Enviornmental Grp.
502-241-7943
Apr 06 2012 11:16AM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Apr 6	11:16AM	Fax Sent	4297125	0:26 N/A	1	OK



Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#40212-02

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 4/1/12 @ 11:38 A.M.

Date and Time bypass/overflow ended: 4/3/12 @ 8:15

Responsible/Affected facility: Hunters Hollow Subd. WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Heavy rain and increased flow. The blowers to plants #1 and #2 had to be turned off to retain solids in the plant.

Estimated gallons of loss: 360,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: None necessary

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Camden Enviornmental Grp.
502-241-7943
Apr 06 2012 11:08AM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Apr 6	11:07AM	Fax Sent	4297125	0:28 N/A	1	OK

FAXED
APR 3 2012
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#40212-02

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 4/1/12 @ 11:38 A.M.

Date and Time bypass/overflow ended: 4/3/12 @ 8:15

Responsible/Affected facility: Hunters Hollow Subd. WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Heavy rain and increased flow. The blowers to plants #1 and #2 had to be turned off to retain solids in the plant.

Estimated gallons of loss: 360,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: None necessary

Comments:

Notification received by:

Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Camden Enviornmental Grp.
502-241-7943
Apr 02 2012 3:59PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Apr 2	3:59PM	Fax Sent	4297125	0:27 N/A	1	OK

FAXED
APR 3 2012
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#32312-02

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 3/23/12 @ 7:02 A.M.

Date and Time bypass/overflow ended: 3/26/12 @ 8:25 A.M.

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick at Triangle. – Bullitt County

Cause of bypass/overflow: Due to rain and increased flow the plant blower had to be turned off to retain solids in the plant.

Estimated gallons of loss: 540,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: None necessary

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#32312-02

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 3/23/12 @ 7:02 A.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick at Triangel. – Bullitt County

Cause of bypass/overflow: Due to rain and increased flow the plant blower had to be turned off to retain solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#31612-02

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 3/15/12 @ 10:59 P.M.

Date and Time bypass/overflow ended: 3/20/12 @ 8:10 A.M.

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle. – Bullitt County

Cause of bypass/overflow: Heavy rain and increased flow into the treatment plant. Blower had to be turned off to retain solids in the plant.

Estimated gallons of loss: 720,000

Environmental impact (what streams are impacted?): Trib. to Brook Run

Method of cleanup: None necessary

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#31612-02

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 3/15/12 @ 10:59 P.M.

Date and Time bypass/overflow ended: 3/20/12 @ 8:10 am

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle. – Bullitt County

Cause of bypass/overflow: Heavy rain and increased flow into the treatment plant. Blower had to be turned off to retain solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brook Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#31612-01

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 3/16/12 @ 5:40 A.M.

Date and Time bypass/overflow ended: 3/16/12 @ 10:30 P.M.

Responsible/Affected facility: Hunters Hollow Lift Station #1 (Ziniz)

Location: Blue Lick Road at Hillview Blvd. – Bullitt County

Cause of bypass/overflow: Heavy rain and increased flow into the lift station. The station pumps could not keep up with the flow so the high level pump had to be started up to keep water out of basement.

Estimated gallons of loss: 153,000

Environmental impact (what streams are impacted?): Drainage ditch.

Method of cleanup: None yet. It has been to wet.

Comments:

Notification received by:

Notification date and time:

FAXED
MAR 0 1 2012
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#30112-01

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 2/29/12 @ 8:30 A.M.

Date and Time bypass/overflow ended: 3/1/12 @ 7:35 A.M.

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Heavy rain and increased flow into the plant. Turned the plant blower off to let plant settle and retain solids in the plant.

Estimated gallons of loss: 180,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: None necessary.

Comments:

Notification received by:

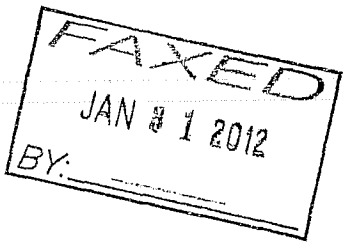
Notification date and time:

HP Officejet Pro 8600 N911n Series

Fax Log for
Camden Enviornmental Grp.
502-241-7943
Mar 01 2012 4:15PM

Last Transaction

Date	Time	Type	Station ID	Duration	Pages	Result
				Digital Fax		
Mar 1	4:14PM	Fax Sent	4297125	0:26 N/A	1	OK



Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#12712-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 1/27/12 @ 12:06 A.M..

Date and Time bypass/overflow ended: 1/30/12 @ 8:10 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Very heavy rain and increased flow into the lift station. The three (3) lift station pumps could not keep up by themselves so a portable pump had to be started up to keep water out of basements.

Estimated gallons of loss: 450,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: None Necessary

Comments:

Notification received by:

Notification date and time:

FAXED
JAN 27 2012
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#12712-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 1/27/12 @ 12:06 A.M..

Date and Time bypass/overflow ended: 1/30/12 @ 8:10 Am

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Very heavy rain and increased flow into the lift station. The three (3) lift station pumps could not keep up by themselves so a portable pump had to be started up to keep water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

FAXED
JAN 3 1 2012
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#12312-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 1/23/12 @ 7:30 A.M.

Date and Time bypass/overflow ended: 1/23/12 @ 4:20 P.M.

Responsible/Affected facility: Hunters Hollow Subdivision lift station #1 (Ziniz)

Location: Blue Lick at Hillview Blvd. – Bullitt County

Cause of bypass/overflow: Do to heavy rain the night before the high level – emergency pump had to be started up.

Estimated gallons of loss: 72,000

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup: Cleaned up on the 24th. Raked and picked up solids material.

Comments:

Notification received by:

Notification date and time:

FAXED
JAN 23 2012
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#12312-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 1/23/12 @ 7:30 A.M.

Date and Time bypass/overflow ended: 1/23 4:20 pm

Responsible/Affected facility: Hunters Hollow Subdivision lift station #1 (Ziniz)

Location: Blue Lick at Hillview Blvd. – Bullitt County

Cause of bypass/overflow: Do to heavy rain the night before the high level – emergency pump had to be started up.

Estimated gallons of loss:

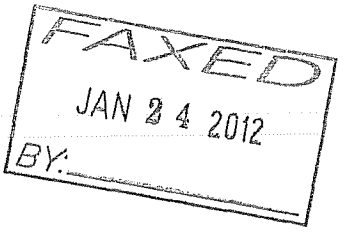
Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:



Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#11712-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 1/17/12 @ 1:00 P.M.

Date and Time bypass/overflow ended: 1/20/12 @ 8:35 A.M.

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick at Triangle - Bullitt County

Cause of bypass/overflow: Heavy rain – increased flow – had to turn the blowers off to retain solids in the plant.

Estimated gallons of loss: 375,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: None necessary

Comments:

Notification received by:

Notification date and time:

FAXED
JAN 17 2012
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#11712-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 1/17/12 @ 1:00 P.M.

Date and Time bypass/overflow ended: 1/20/12 @ 8:35 Am

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick at Triangle - Bullitt County

Cause of bypass/overflow: Heavy rain – increased flow – had to turn the blowers off to retain solids in the plant.

Estimated gallons of loss:

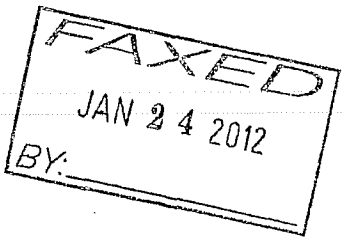
Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:



Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#11712-04

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 1/17/12 @ 1:20 P.M.

Date and Time bypass/overflow ended: 1/18/12 @ 8:45 A.M.

Responsible/Affected facility: Hunters Hollow Lift Station #1 (Ziniz)

Location: Blue Lick at Hillview Blvd - Bullitt County

Cause of bypass/overflow: Heavy rain – increased flow – had to start up the high level emergency pump to keep up with the heavy flow into the lift station.

Estimated gallons of loss: 162,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: Effected area was raked and picked up on the 20th.

Comments:

Notification received by:

Notification date and time:

FAXED
JAN 17 2012
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#11712-04

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 1/17/12 @ 1:20 P.M.

Date and Time bypass/overflow ended: 1/18/12 @ 8:45 Am

Responsible/Affected facility: Hunters Hollow Lift Station #1 (Ziniz)

Location: Blue Lick at Hillview Blvd - Bullitt County

Cause of bypass/overflow: Heavy rain – increased flow – had to start up the high level emergency pump to keep up with the heavy flow into the lift station.

Estimated gallons of loss: 162,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: Effected area was raked and picked up on the 20th

Comments:

Notification received by:

Notification date and time:

FAXED
JAN 05 2012
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#122711-01

FAXED
JAN 03 2012
BY:

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 12/27/11 @ 8:20 A.M.

Date and Time bypass/overflow ended: 1/3/12 @ 8:20 A.M.

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Continuous rain throughout the day and heavy flow into the plant. Operator had to turn the plant blower off to retain solids in the plant.

Estimated gallons of loss: 1.25

Environmental impact (what streams are impacted?): Trib. Brooks Run

Method of cleanup: None necessary

Comments:

Notification received by:

Notification date and time:

FAXED
DEC 27 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#122711-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 12/27/11 @ 8:20 A.M.

Date and Time bypass/overflow ended: On going 1/3/12 @ 8:20 Am

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Continuous rain throughout the day and heavy flow into the plant. Operator had to turn the plant blower off to retain solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

FAXED
JAN 0 3 2012
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#122711-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 12/27/11 @ 10:10 A.M.

Date and Time bypass/overflow ended: 12/28/11 @ 8:20 A.M.

Responsible/Affected facility: Hunters Hollow Subdivision Lift Station #1 (Ziniz)

Location: Blue Lick Road at Hillview – Bullitt County

Cause of bypass/overflow: Continuous rain throughout the day and heavy flow into the lift station. Pumps could not keep up with the flow. Operator had to turn the station emergency, high level pump on.

Estimated gallons of loss: 216,000

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup: Paper will be raked up this week of the 2nd.

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#122711-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 12/27/11 @ 10:10 A.M.

Date and Time bypass/overflow ended: On going 12/28/11 8:20

Responsible/Affected facility: Hunters Hollow Subdivision Lift Station #1 (Ziniz)

Location: Blue Lick Road at Hillview – Bullitt County

Cause of bypass/overflow: Continuous rain throughout the day and heavy flow into the lift station. Pumps could not keep up with the flow. Operator had to turn the station emergency, high level pump on.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

FAXED
DEC 27 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#122111-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 12/21/11 @ 8:20 A.M.

Date and Time bypass/overflow ended: 12/26/11 @ 9:04 A.M.

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Rain and heavy flow into the plant. Operator had to turn the plant blower off to retain the solids in the plant.

Estimated gallons of loss: 800,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: None necessary

Comments:

Notification received by:

Notification date and time:

FAXED
DEC 27 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#122111-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 12/21/11 @ 8:45 A.M.

Date and Time bypass/overflow ended: 12/21/11 @ 5:09 P.M.

Responsible/Affected facility: Hunters Hollow Subdivision Lift Station #1 (Ziniz)

Location: Blue Lick Road at Hillview Blvd. – Bullitt County

Cause of bypass/overflow: Rain and heavy flow into the lift station. The station pumps could not keep up with the flow so the high level, emergency pump had to be placed in service.

Estimated gallons of loss: 72,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: Raked up a small amount of paper.

Comments:

Notification received by:

Notification date and time:

FAXED
DEC 21 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#122111-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 12/21/11 @ 8:45 A.M.

Date and Time bypass/overflow ended: 12/21/11 5:09 pm

Responsible/Affected facility: Hunters Hollow Subdivision Lift Station #1 (Ziniz)

Location: Blue Lick Road at Hillview Blvd. – Bullitt County

Cause of bypass/overflow: Rain and heavy flow into the lift station. The station pumps could not keep up with the flow so the high level, emergency pump had to be placed in service.

Estimated gallons of loss:

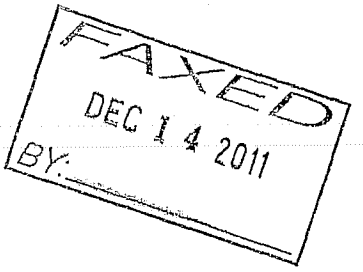
Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup:

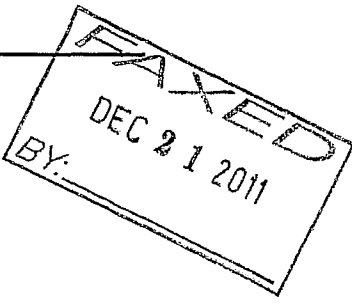
Comments:

Notification received by:

Notification date and time:



Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#112211-03



TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 11/22/11 @ 10:30 A.M. A.M.

Date and Time bypass/overflow ended: 11/23/11 @ 6:19 A.M.

Responsible/Affected facility: Hunters Hollow Subdivision Lift Station #2

Location: Big Wood Ct. – Bullitt County

Cause of bypass/overflow: Heavy rain – very heavy flow into the lift station. Pumps not able to keep up. Started up the high level submersible pump to assist.(3rd pump) This is necessary to keep water out of basements.

Estimated gallons of loss: 162,000

Environmental impact (what streams are impacted?): Drainage Ditch

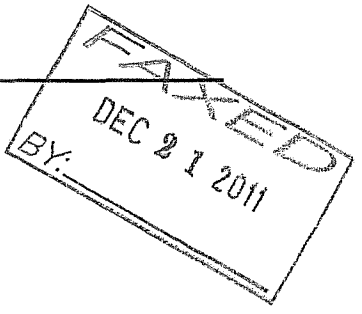
Method of cleanup: Raked up

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#112111-01



TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 11/20/11 @ 8:30 A.M.

Date and Time bypass/overflow ended: 12/1/11 @ 8:30 A.M.

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Very heavy rain – operator had to turn the blower off to the plant to allow the clarifier to settle and retain the solids in the plant.

Estimated gallons of loss: 1.0

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: None needed

Comments:

Notification received by:

Notification date and time:

FAXED
DEC 12 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#120511-04

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 12/05/11 @ 4:03 A.M.

Date and Time bypass/overflow ended: 12/6/11 @ 8:20 A.M.

Responsible/Affected facility: Hunters Hollow #1 lift station (Ziniz)

Location: Blue Lick Road at Hillview Blvd.

Cause of bypass/overflow: Heavy rain and increased flow into the lift station. The pumps couldn't keep up so the high level emergency pump had to be started up.

Estimated gallons of loss: 252,000

Environmental impact (what streams are impacted?): Drainage ditch

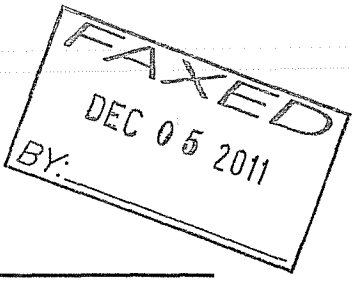
Method of cleanup: None Necessary

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#120511-04



TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 12/05/11 @ 4:03 A.M.

Date and Time bypass/overflow ended: ~~On going~~ 12/6/11 8:20 Am

Responsible/Affected facility: Hunters Hollow #1 lift station (Ziniz)

Location: Blue Lick Road at Hillview Blvd.

Cause of bypass/overflow: Heavy rain and increased flow into the lift station. The pumps couldn't keep up so the high level emergency pump had to be started up.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#120511-05

BY

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 12/04/11 @ 7:18 P.M.

Date and Time bypass/overflow ended: 12/11/11 @ 10:45 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Heavy rain and increased flow into the plant. Blower had to be turned off to let plant settle and retain the solids in the plant.

Estimated gallons of loss: 1.25 MGD

Environmental impact (what streams are impacted?): Trib. to Brooks Run

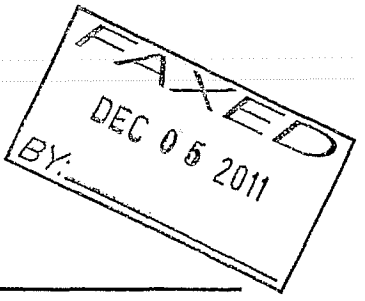
Method of cleanup: None Necessary

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#120511-05



TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 12/04/11 @ 7:18 P.M.

Date and Time bypass/overflow ended: On going 12/11/11 @ 10:45 Am

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Heavy rain and increased flow into the plant. Blower had to be turned off to let plant settle and retain the solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

FAXED
DEC 05 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#112211-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 11/22/11 @ 7:00 A.M.

Date and Time bypass/overflow ended: 12/1/11 @ 8:30 A.M.

Responsible/Affected facility: Hunters Hollow Subdivision Lift Station #1 (Ziniz)

Location: Blue Lick Road at Hillview – Bullitt County

Cause of bypass/overflow: Heavy rain – very heavy flow into the lift station. Pumps not able to keep up. Set up a portable pump to assist. This is necessary to keep water out of basements.

Estimated gallons of loss: 1.2 MG

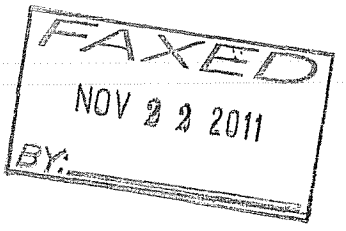
Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: None necessary

Comments:

Notification received by:

Notification date and time:



Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#112211-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 11/22/11 @ 7:00 A.M.

Date and Time bypass/overflow ended: ~~On going~~ 12/1/11 @ 8:30

Responsible/Affected facility: Hunters Hollow Subdivision Lift Station #1 (Ziniz)

Location: Blue Lick Road at Hillview – Bullitt County

Cause of bypass/overflow: Heavy rain – very heavy flow into the lift station. Pumps not able to keep up. Set up a portable pump to assist. This is necessary to keep water out of basements.

Estimated gallons of loss: 1,2 ~~M~~

Environmental impact (what streams are impacted?): Trib. To Brush Run.

Method of cleanup: None

Comments:

Notification received by:

Notification date and time:

FAXED
NOV 21 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#111511-04

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 11/14/11 @ 10:00 P.M.

Date and Time bypass/overflow ended: 11/18/11 @ 4:00 P.M.

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Very heavy rain – operator had to turn the blower off to the plant to allow the clarifier to settle and retain the solids in the plant.

Estimated gallons of loss: 600,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: Not necessary

Comments:

Notification received by:

Notification date and time:

FAXED
NOV 15 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#111511-04

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 11/14/11 @ 10:00 P.M.

Date and Time bypass/overflow ended: On going 11/18/11 4:00

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Very heavy rain – operator had to turn the blower off to the plant to allow the clarifier to settle and retain the solids in the plant.

Estimated gallons of loss:

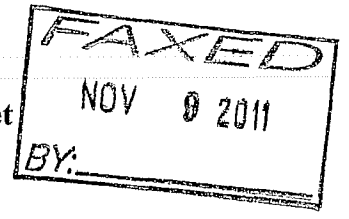
Environmental impact (what streams are impacted?):

Method of cleanup:

Comments:

Notification received by:

Notification date and time:



Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#BPR#102711-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 10/27/11 @ 9:10 A.M.

Date and Time bypass/overflow ended: 10/28/11 @ 2:05 P.M.

Responsible/Affected facility: Hunters Hollow Lift Station #1 (Ziniz)

Location: Blue Lick Road at Highview Blvd. - Bullitt County

Cause of bypass/overflow: Heavy rain and increased flow into the lift station. Regular pumps could not keep up with the flow so the operator had to start the emergency pump.

Estimated gallons of loss: 15,000

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup: None necessary

Comments:

Notification received by:

Notification date and time:

FAXED
OCT 27 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#BPR#102711-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 10/27/11 @ 9:10 A.M.

Date and Time bypass/overflow ended: 10/28/11 @ 2:05 pm

Responsible/Affected facility: Hunters Hollow Lift Station #1 (Ziniz)

Location: Blue Lick Road at Highview Blvd. - Bullitt County

Cause of bypass/overflow: Heavy rain and increased flow into the lift station. Regular pumps could not keep up with the flow so the operator had to start the emergency pump.

Estimated gallons of loss:

Environmental impact (what streams are impacted?):

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

FAXED
NOV 9 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#110411-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 11/3/11 @ 10:30 A.M.

Date and Time bypass/overflow ended: 11/8/11 @ 9:30 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle - - Bullitt County

Cause of bypass/overflow:Heavy rain and increased flow into the plant. Operator turned the blower off to retain solids in the plant.

Estimated gallons of loss: 750,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: Bullitt Septic Service cleaned the creek on 11/8/11.

Comments:

Notification received by:

Notification date and time:

FAXED
NOV 4 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#110411-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 11/3/11 @ 10:30 A.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle - - Bullitt County

Cause of bypass/overflow:Heavy rain and increased flow into the plant. Operator turned the blower off to retain solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?):

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): Larry Smither 2/6/08 11:00 A.m.

Date and Time bypass/overflow started: 2/6/08 12:30 A.m.

Date and Time bypass/overflow ended: 2/6/08 8:30 A.m.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road - Bullitt Cty.

Cause of bypass/overflow: Very Heavy Rain - Turned plant blower off - also pumped from lift station wetwell - clear water - this was to prevent back up in basements.

Estimated gallons of loss: 167,000 gal.

Environmental impact (what streams are impacted?): None

Method of cleanup: Raked up a small amount of debris.

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): Larry Smither 3/4/08 11:40 AM

Date and Time bypass/overflow started: 3/4/08 2:45 AM

Date and Time bypass/overflow ended: 3/5/08 8:00 P.M.

Responsible/Affected facility: HUNTERS HOLLOW WWTP

Location: LIFT STATION AT PLANT

Cause of bypass/overflow: HEAVY RAIN

Estimated gallons of loss: 378,000 GAL.

Environmental impact (what streams are impacted?): NONE

Method of cleanup: RAKED UP A VERY SMALL AMOUNT OF DEBRIS

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): Lacey Smith 3/4/08 11:40 AM

Date and Time bypass/overflow started: 3/4/08 2:45 AM

Date and Time bypass/overflow ended: 3/5/08 8:00 PM

Responsible/Affected facility: HUNTERS HOLLOW WWTP

Location: Pump Station at Bigwood Court

Cause of bypass/overflow: HEAVY RAIN

Estimated gallons of loss: 56,000

Environmental impact (what streams are impacted?): NONE

Method of cleanup: NONE NECESSARY

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): Larry Smith 3/4/08 11:40 AM

Date and Time bypass/overflow started: 3/4/08 2:45 AM

Date and Time bypass/overflow ended: 3/5/08 8:00 PM

Responsible/Affected facility: Hunters Hollow

Location: Pump Station at Zinc (Blue Lick Rd)

Cause of bypass/overflow: Heavy Rain

Estimated gallons of loss: 35,000 gal.

Environmental impact (what streams are impacted?): None

Method of cleanup: None Necessary

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): Larry Smither 3/18/08 4:20 pm

Date and Time bypass/overflow started: 3/18/08 1:00 pm

Date and Time bypass/overflow ended: 3/19/08 8:40 Am

Responsible/Affected facility: Huntees' Hollow

Location: Lift station at Tinie (Blue Lick Rd)

Cause of bypass/overflow: Rain - Heavy

Estimated gallons of loss: 38,000 gal.

Environmental impact (what streams are impacted?): None

Method of cleanup: None Necessary

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): Lacey Smith 3/18/08 4:20 pm

Date and Time bypass/overflow started: 3/18/08 1:00 pm

Date and Time bypass/overflow ended: 3/19/08 8:40 Am

Responsible/Affected facility: Hunters Hollow

Location: Lift Station at Bigwood Ct.

Cause of bypass/overflow: Heavy Rain

Estimated gallons of loss: 42,000

Environmental impact (what streams are impacted?): None

Method of cleanup: None Necessary

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): Lacy Smith — 3/18/08 4:20 pm

Date and Time bypass/overflow started: 3/18/08 11:00 pm

Date and Time bypass/overflow ended: 3/19/08 8:40 am.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Lift station at the plant

Cause of bypass/overflow: Heavy Rain

Estimated gallons of loss: 189,000 gal.

Environmental impact (what streams are impacted?): None

Method of cleanup: Raked up a small amount of debris

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): Larry Smither 4/4/08 10:55 Am

Date and Time bypass/overflow started: 4/3/08 9:20 pm

Date and Time bypass/overflow ended: 4/5/08 8:00 Am

Responsible/Affected facility: Hunters Hollow

Location: Zone Lift Station

Cause of bypass/overflow: Very Heavy Rain

Estimated gallons of loss: 63,000

Environmental impact (what streams are impacted?): None

Method of cleanup: None Necessary

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): Lacey Smithen 4/4/08 10:55 a.m.

Date and Time bypass/overflow started: 4/3/08 9:20 a.m.

Date and Time bypass/overflow ended: 4/5/08 8:00 a.m.

Responsible/Affected facility: Hunters Hollow

Location: Lift Station at the plant

Cause of bypass/overflow: Very Heavy Rain

Estimated gallons of loss: 504,000 gal.

Environmental impact (what streams are impacted?): None

Method of cleanup: Raked up a small amount of debris

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): Larry Smither 4/4/08 10:55 Am

Date and Time bypass/overflow started: 4/3/08 9:20 Am

Date and Time bypass/overflow ended: 4/5/08 8:00 Am.

Responsible/Affected facility: Hunter Hollow

Location: Lift Station on Bigwood Ct.

Cause of bypass/overflow: Very Heavy Rain

Estimated gallons of loss: 77,000 gal.

Environmental impact (what streams are impacted?): None

Method of cleanup: None Necessary

Comments:

Notification received by:

Notification date and time:

1706 Bardstown Road
Louisville, KY 40205
502-241-4809
502-241-7943 Fax

Covered Bridge Utilities, Inc.

By-Pass Report

To: Lisa Jeffries

From: Larry Smither

Date: 5/21/08

Pages: 1

This by-pass took place during the following dates and times as reported by:

Larry Smither

Facility Name & Location: Hunters Hollow Subdivision WWTP – Bullitt County

Date & time Reported: 5/16/08 11:20 P.M.

Reported To: Lisa Jeffries

Date and Time Started: 5/15/08 4:00 P.M.

Detail of By-Pass: Due to heavy rain the sewers became surcharged – the flow exceeded the capacity of the plant to treat and the capacity of the pumps at the lift stations to keep the sewers pumped down.

Action Taken: Turned the blower off at the plant so the plant would settle and the solids would be retained in the plant. Also had to start pumping at all the lift stations with portable pumps to keep water from backing up into basements.

Date & Time Stopped: 5/16/08 10:00 A.M.

Approximate Amount By-Passed: 810,000 gallons

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 9/14/08 4:00 P.m.

Date and Time bypass/overflow ended: 9/15/08 7:45 A.m.

Responsible/Affected facility: Hunters Hollow Sec. II Lift Sta.
Big Wood Ct.

Location:

Cause of bypass/overflow: Power Outage Due To High Winds

Estimated gallons of loss: 65,000 gal.

Environmental impact (what streams are impacted?): Drainage Ditch.

Method of cleanup: Cover with Lime
Rake up when dry enough

Comments:

Notification received by:

Notification date and time:

1706 Bardstown Road
Louisville, KY 40205
502-241-4809
502-241-7943 Fax

Covered Bridge Utilities, Inc.

Fax

To: Lisa Jeffries

From: Larry Smither

Date: 9/17/08

No. of Pages: 2

Re: Hunters Hollow Bypass report

Find attached bypass report for the Hunters Hollow Sec. II remote lift station.

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 12/9/08 5:30 pm

Date and Time bypass/overflow ended: 12/10/08 6:00 AM

Responsible/Affected facility: Hunters Hollow - Bullitt County
Blue Lick Road

Location: Zinz Lift Station

Cause of bypass/overflow: All day rain - pumps could no keep up with the flow.

Estimated gallons of loss: 180,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: Rake up a little debris - mostly clear water discharged.

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 12/24/08 6:00 A.m.

Date and Time bypass/overflow ended: 12/25/08 3:30 A.m.

Responsible/Affected facility: Hunters Hollow WWTP and Two Lift Stations

Location: Blue Lick Road

Cause of bypass/overflow: Heavy Rain -

Estimated gallons of loss: 967,500 gal.

Environmental impact (what streams are impacted?): Drainage Ditch and U.T. Brooks Run

Method of cleanup: Raked up solid material and spread Lime where needed.

Comments:

Notification received by:

Notification date and time:

1706 Bardstown Road
Louisville, KY 40205
502-241-4809
502-241-7943 Fax

Covered Bridge Utilities, Inc.

By-Pass Report

To: Lisa Jeffries From: Larry Smither

Date: 2/9/09 Pages: 1

This by-pass took place during the following dates and times as reported by:

Larry Smither

Facility Name & Location: Hunters Hollow WWTP and the two remote lift station - #1 and #2.

Date & time Reported: 1/29/09 4:39 P.M.

Reported To: Keri Report # 2290133

Date and Time Started: 1/28/09 4:30

Detail of By-Pass: Due to the ice storm electrical service was lost to the plant and lift stations.

Action Taken: Made frequent visits to the plant and lift stations, so we could be sure that all equipment returned to proper operation when power was restored.

Also used portable pumps at all lift stations to insure that sewage didn't back up into any of the houses on this system.

Date & Time Stopped: 1/29/09 9:00 A.M.

Approximate Amount By-Passed: 103,000 gal.

1706 Bardstown Road
Louisville, KY 40205
502-241-4809
502-241-7943 Fax

Covered Bridge Utilities, Inc.

By-Pass Report

To: Lisa Jeffries From: Larry Smither

Date: 2/9/09 Pages: 1

This by-pass took place during the following dates and times as reported by:

Larry Smither

Facility Name & Location: Hunters Hollow Section II lift station – Big Wood Ct.

Date & time Reported: 2/6/09 10:23 A.M.

Reported To: Lisa Jeffries

Date and Time Started: 2/6/09 10:00 A.M.

Detail of By-Pass: Both of the station pumps were out of service. Had to use a portable pump to keep the station pumped down and sewage out of houses.

Action Taken: Servicemen pulled both pumps, made the necessary repairs and reinstalled. Also had a high vac truck clean out the lift station wet well and the manhole next to the lift station.

Date & Time Stopped: 2/6/09 2:30 P.M.

Approximate Amount By-Passed: 30,000 gal. to storm ditch

ENVIRONMENTAL & PUBLIC PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF WATER
BYPASS/OVERFLOW NOTIFICATION

241743

TEMPO Incident ID#: 502 693 8634

Notified by (caller): LARRY Smithers

Date and time bypass/overflow started: 1/6 4:55 PM

Date and time bypass/overflow ended: 1/8/09 11:00 AM

Responsible/Affected facility: MUNTERS MOTOR, Blue Lick Rd

Location: Sewage Plant

Cause of bypass/overflow: MECHANICAL COLLECTION IS OUT OF SERVICE - TURNED PLANT BLOWER OFF

Estimated gallons of loss: there was approx. 320,000 gallons of sewage that went through the plant during this down Time

Environmental impact (what streams are impacted?): WORK in progress U.T. BROOKS RUN

Method of cleanup: NONE NECESSARY - No solids were lost.

Comments:

Notification received by: KR

Notification date and time: 1/7/09 9:37 AM

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 3/10/09 6:25 pm

Date and Time bypass/overflow ended: 3/11/09 2:45 pm

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road
Bullitt County

Cause of bypass/overflow:
Motor on the mechanical collector burnt up. Turned plant blower off so we would Loose sludge to creek

Estimated gallons of loss:
Approx. 160,000 gallons went through the plant during this period.

Environmental impact (what streams are impacted?):
U.T. Brooks Run

Method of cleanup:
None needed

Comments:

Notification received by:

Notification date and time:

107 Clearwater
502-330 5629
Jim Barnes

865-577-7221

Gary Hardy
225-674-6

H. H.
Collection at 3/10. 6:25
Reported To Lisa @ 12:05 3/11

Faxed 3/24/09
1:53 pm

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#: Called in To Lisa 3/23/09 9:10 Am

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 3/22/09 7:30 Pm

Date and Time bypass/overflow ended: 3/22/09 9:30 Pm

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick and Triangle Dr.
Bullitt County

Cause of bypass/overflow: Transfer pipe between aeration and clarifier had gotten stopped up.

Estimated gallons of loss:
18,000

Environmental impact (what streams are impacted?):
U.T. Brooks Run

Method of cleanup:
Tank Truck cleaned sludge out of the creek

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Called Lisa 3/23 9:10

Notified by (caller): LWD

Date and Time bypass/overflow started: 3/22/09 7:30

Date and Time bypass/overflow ended: 3/22/09 9:30

Responsible/Affected facility: Dunton WWTP

Location:

Cause of bypass/overflow: Transfer pipe stopped up

Estimated gallons of loss:

Environmental impact (what streams are impacted?):

Method of cleanup: Tank Truck

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 4/26/09 2:30 pm

Date and Time bypass/overflow ended: 4/27/09 8:30 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road
Bullitt County

Cause of bypass/overflow: Belts broken on the pri blower

Estimated gallons of loss:
135,000

Environmental impact (what streams are impacted?):
Lt Brooks Run

Method of cleanup:
Non Necessary

Comments:

Notification received by:

Notification date and time:

H. Hollow

4/26/09	2:30	heater off
4/27/09	8:30	back on

Reported To Brad @ 1:00 on 27th

778-5403

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 4/19/09 12:18 pm.

Date and Time bypass/overflow ended: 4/20/09 3:30 pm - Lift Station #1
4/20/09 8:25 pm - " " #2

Responsible/Affected facility: Hunters Hollow - Zinie Lift Station - #1
" " - Section II Lift Station - #2

Location: Off Blue Lick Road
Bullitt County

Cause of bypass/overflow: Heavy rain - Too much flow.

Estimated gallons of loss: #1 - 234,000
#2 - 288,000

Environmental impact (what streams are impacted?): Drainage Ditches

Method of cleanup: Mostly all clear water discharged
A little solid material raked up.

Comments:

Notification received by:

Notification date and time:

Riviera – 4/19/09

I received a call from a homeowner at 3:39 p.m. Shaun went right to the lift station – found both pumps running and pumping full tilt. To much flow for the pumps.

Shaun went to the shop, picked up the portable pump and started pumping at about 5:00.

Stopped pumping 9:15 pm.

Reported to Clark 4/20/09 @ 9:18 Am

Hunters Hollow 4/19/09

Received ADT alarm call at 12:18 pm about II.

Shaun called Terry Ford, he went to shop, picked up pump and started pumping at about 1:30 pm.

Also had to start pumping at the Zinn station at about 2:15 pm. Mrs. Heimann had called about 30 min. earlier.

Reported To Clark 4/20/09 @ 9:18 Am

Stopped pumping at II – 8:25 pm

" " " Zinn – 3:30 pm

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): Larry Smither — Reported To Charlie Roth.

Date and Time bypass/overflow started: Found 6/23/09 10:45 AM

Date and Time bypass/overflow ended: " 1:40 PM

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road
Bullitt County

Cause of bypass/overflow: Main circuit breaker for the blowers was bad. Part ordered - serviceman had to wire around the breaker.

Estimated gallons of loss: 22,500

Environmental impact (what streams are impacted?):
U.T. Brooks Run

Method of cleanup: the plant effluent had turned gray and cloudy but there were no solids discharged. Operator

Comments: did inspect the creek.

Notification received by:

Notification date and time:

at&t [Print] [Close]

From: "Trivette, Brad (EEC)" <Brad.Trivette@ky.gov>
To: <larrys76@bellsouth.net>
Subject: RE: Hunters Hollow Treatment Plant
Date: Wednesday, January 7, 2009 4:33:21 PM

Thanks Larry.

From: larrys76@bellsouth.net [mailto:larrys76@bellsouth.net]
Sent: Wednesday, January 07, 2009 9:41 AM
To: Trivette, Brad (EEC)
Subject: Hunters Hollow Treatment Plant

Brad, yesterday (6th) at approx. 4:45 P.M. Shawn found that the mechanical collector in the clarifier was locked up. It apparently had been that way for very long and the effluent was still clear going out of the secondary clarifier. He did turn the blower off at 4:55 P.M. because if he continued to run the blower it would continue to put solids in the clarifier, they would build up and eventually be discharged. The servicemen started working on the collector but due to rain and darkness they knocked off and started again this morning.

As soon as I have more info, I will let you know.

I called this in this morning at 9:30 and gave the information to Kathy.

Collector gear drive placed back in service at 12:45 - 8th.
Called Brad and brought him up to date @ 1:30.
Also explained the pump situation.

Brad, yesterday (6th) at approx. 4:45 P.M. Shawn found that the mechanical collector in the clarifier was locked up. It apparently had been that way for very long and the effluent was still clear going out of the secondary clarifier. He did turn the blower off at 4:55 P.M. because if he continued to run the blower it would continue to put solids in the clarifier, they would build up and eventually be discharged. The servicemen started working on the collector but due to rain and darkness they knocked off and started again this morning.

As soon as I have more info, I will let you know.

I called this in this morning at 9:30 and gave the information to Kathy.

1706 Bardstown Road
Louisville, KY 40205
502-241-4809
502-241-7943 Fax

Covered Bridge Utilities, Inc.

By-Pass Report

To: Lisa Jeffries **From: Larry Smither**

Date: 8/3/09 **Pages: 1**

This by-pass took place during the following dates and times as reported by:

Larry Smither

Facility Name & Location: Hunters Hollow Lift Station #2 (Ziniz) Corner of Blue Lick Road and Hillview Blvd.

Date & time Reported: 7/29/09 1:58 P.M.

Reported To: Brad Trivette

Date and Time Started: 7/29/09 12:30 P.M.

Detail of By-Pass: Operator found that the pumps were kicked out on the overloads, reset them, they started running but would not pump because they were stopped up. Had both pumps pulled, cleaned and reinstalled.

Date & Time Stopped: 7/29/09 3:30 P.M.

Approximate Amount By-Passed: 22,500 gallons

Note: Station overflows to a drainage ditch. Small amount of trash raked up.

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 10/2/09 11:00 AM

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road
Bullitt County

Cause of bypass/overflow: Early morning rain caused very heavy flow into the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?):
Trib. Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 10/2/09 11:30 Am

Date and Time bypass/overflow ended: 10/2/09 4:00 Pm

Responsible/Affected facility: Hunters Hollow Lift Sta. #2 (Zinie)

Location: Blue Lick at Hillview Blvd.
Bullitt Cty.

Cause of bypass/overflow: Early morning rain - very heavy flow.

Estimated gallons of loss: 67,500

Environmental impact (what streams are impacted?):
Storm ditch

Method of cleanup:
None Necessary

Comments:

Notification received by:

Notification date and time:

1706 Bardstown Road
Louisville, KY 40205
502-241-4809
502-241-7943 Fax

Covered Bridge Utilities, Inc.

By-Pass Report

To: Lisa Jeffries

From: Larry Smither

Date: 8/10/09

Pages: 1

This by-pass took place during the following dates and times as reported by:

Larry Smither

Facility Name & Location: Hunters Hollow WWTP and lift stations #1 & #2

Bullitt County

Date & time Reported: 8/5/09 11:00 A.M.

Reported To: Lisa Jeffries

Date and Time Started: 8/4/09 11:40 A.M.

Detail of By-Pass: Due to record setting rain fall the pumps stations were not able to keep up with the flow into the stations.

Action Taken: We had to set up portable pumps to assist the lift station pumps in keeping the level pumped down in the lift station wet wells so that the water would not back up into residential basements.

Also, had to turn the blower/motor assembly off at the plant to retain the solids in the plant.

Date & Time Stopped: 8/5/09 4:30 A.M. - At the lift stations

8/6/09 11:00 A.M. – Blower at the plant turned back on.

Approximate Amount By-Passed: Plant lift station - 252,000

Lift station #1 – 360,000

Lift station #2 – 360,000

Flow though the plant while the blower was off – 681,250

ENVIRONMENTAL & PUBLIC PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF WATER
BYPASS/OVERFLOW NOTIFICATION

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and time bypass/overflow started: 7-22-09 3:00 PM

* **Date and time bypass/overflow ended:** ongoing 7/24/09 4:00 AM

Responsible/Affected facility: Hunter Hollow Treatment Plant

Location:

Cause of bypass/overflow: Rain

* **Estimated gallons of loss:** 617,000

* **Environmental impact (what streams are impacted?):** Trib. To Brooks Run

* **Method of cleanup:** None Necessary

Comments: Turned Blower off to return solids in the plant

Notification received by: LSN

Notification date and time: 11:30 AM 7-23

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 10/2/09 11:00 Am

Date and Time bypass/overflow ended: 10/3/09 10:00 Pm

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road
Bullitt County

Cause of bypass/overflow: Early morning rain caused very heavy flow into the plant.

Estimated gallons of loss:
458,000

Environmental impact (what streams are impacted?):
Trib. Brooks Run

Method of cleanup:
None Necessary

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): LARRY Smither

Date and Time bypass/overflow started: 1/1/10

Date and Time bypass/overflow ended: 1/4/10 1:00 P.m.

Responsible/Affected facility: HUNTERS HOLLOW WWTP

Location: BLUE LICK Road
BULLITT COUNTY

Cause of bypass/overflow: WE HAVE BEEN HAVING A LOT OF TROUBLE WITH THE BLOWERS KICKING OUT AT THE PLANT. WE HAVE MAJOR ELECTRICAL PROBLEMS. WE HAVE AN ELECTRICAL CONTRACTOR THAT IS STARTING THE RENOVATION OF ALL THE PLANT ELECTRIC TODAY. WILL LET YOU KNOW WHEN THE WORK IS FINISHED.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): TRIB. BROOKS RUN

Method of cleanup: NO SOLIDS GOING OUT, BUT THE EFFLUENT IS GRAY & CLOUDY.

Comments: THE ELECTRICIAN STARTED REBUILDING THE BLOWER CONTROLS FIRST ON THE 4TH.

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): LARRY SMITH

Date and Time bypass/overflow started: 1/12/10 8:00 A.m.

Date and Time bypass/overflow ended: 1/14/10 4:00 P.m.

Responsible/Affected facility: HUNTERS HOLLOW WWTP

Location: BLUE LICK ROAD
BULLITT COUNTY

Cause of bypass/overflow: WE HAD STARTED THE PLANT BACK UP ON THE 11TH AND EVERY THING WAS FINE AT THAT TIME. DURING THE NIGHT STARTED HAVING SLUDGE RETURNS PROBLEMS AND THE SLUDGE WASTE TO THE DIGESTER WILL NOT WORK. HAD TO TURN THE BLOWER BACK OFF. REPAIRMEN WILL BE THERE TODAY. (1/13/10)

Estimated gallons of loss: 300,000 gallons of cloudy effluent some sludge

Environmental impact (what streams are impacted?): TRIB. TO BROOKS RUN.

Method of cleanup:
STREAM HAS BEEN CLEANED BY BULLITT COUNTY SEPTIC TANK SERVICE.

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 1/6/10 3:00 P.m.

Date and Time bypass/overflow ended: 1/11/10 5:00 P.m.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road
Bullitt County

Cause of bypass/overflow: Found the mechanical collector out of service. Repairs will start on the 7th. Had to turn the blower off to keep the solids in the plant.

Estimated gallons of loss:
650,000

Environmental impact (what streams are impacted?):
Trib. To Brooks Run

Method of cleanup: None Necessary

Comments: Placed the blower and all equipment back in service on the 11th at 5:00.PM.

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): Larry Smith

Date and Time bypass/overflow started: 2/5/10 2:15 pm

Date and Time bypass/overflow ended: 2/12/10 2:30 pm

Responsible/Affected facility: Hunters Hollow WWTP and the #1 Lift Station (2inis)

Location: Blue Lick Road
Hillview - Bullitt County

Cause of bypass/overflow: Heavy Rain and Heavy Flow

Estimated gallons of loss: Turned blower off and set up portable pumps to assist the lift pumps that couldn't keep up with the flow.
1.4 mil.

Environmental impact (what streams are impacted?):
Trib. Brooks Run.

Method of cleanup:
None Necessary - We Turned the blower off to keep from discharge solids to the creek

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 12/8/09 8:30 Pm

Date and Time bypass/overflow ended: 12/12/09 10:00 Am

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Rd. Bullitt County

Cause of bypass/overflow: Heavy Flow - Rain

Set up portable pump to assist plant pumps Also Turned blower off.

Estimated gallons of loss: 740,000

Environmental impact (what streams are impacted?): Trib. Brooks Run

Method of cleanup:

Comments: No solids observed leaving the plant. No impact on the stream. Some trash cleaned up off the ground.

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 3/14/10 1:15 pm

Date and Time bypass/overflow ended: 3/15/10 10:20 Am

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Rd.
Bullitt County

Cause of bypass/overflow: Rain - Heavy Flow
Had To Turn the blower

Estimated gallons of loss:
175,000

Environmental impact (what streams are impacted?):
Trib. To Brook Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): Larry Smith

Date and Time bypass/overflow started: 3/11/10 12:25 pm

Date and Time bypass/overflow ended: 3/12/10 10:00 A.m.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road
Bullitt County

Cause of bypass/overflow: the electrical contactor went bad on the #1 blower so it stopped running and the #2 blower had a new motor that was not wired up. Our electrical contractor came this morning, replaced the contactor and wired the motor. It is back in service. Both blowers

Estimated gallons of loss: 150,000

Environmental impact (what streams are impacted?): Trib. To Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller):

Date and Time bypass/overflow started: 3/8/10 8:55 -

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow

Location:

Cause of bypass/overflow: sludge in creek.

Estimated gallons of loss:

Environmental impact (what streams are impacted?):

Method of cleanup: B.C. Septic cleaned

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 3/2/10 11:15 A.M.(This is the time it was found)

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road
Bullitt County

Cause of bypass/overflow: Operator made an inspection of the creek, as he is instructed to do a couple times a week, and found some sludge in the creek. The plant effluent had been clear each time he inspected the plant, but at some time when he wasn't there it apparently lost some solids.

Estimated gallons of loss: 500

Environmental impact (what streams are impacted?): Trib. Brooks Run

Method of cleanup: Bullitt County Septic Tank Service was going to start cleaning the creek in the afternoon of 3/2/10.

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
CBU#5210-01

TEMPO Incident ID#:

Notified by (caller): Lawrence W. Smither

Date and Time bypass/overflow started: 5/2/10 at 8:15 A.M.

Date and Time bypass/overflow ended: 5/3/10 at 5:00 A.M.

Responsible/Affected facility: Hunters Hollow Section II Lift Station

Location: Hunters Hollow Sewer System
Bigwood Way
Bullitt County

Cause of bypass/overflow: Very Heavy Rain-Lift Station Pumps unable to handle the flow. Had to start an emergency pump, pumping to a drainage ditch. This is necessary to keep water out of basements.

Estimated gallons of loss: 345,000 gallons

Environmental impact (what streams are impacted?):
Drainage ditch

Method of cleanup:
None Necessary

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
CBU#5210-01

TEMPO Incident ID#:

Notified by (caller): Lawrence W. Smither

Date and Time bypass/overflow started: 5/2/10 at 8:15 A.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow Section II Lift Station

Location: Hunters Hollow Sewer System
Bigwood Way
Bullitt County

Cause of bypass/overflow: Very Heavy Rain-Lift Station Pumps unable to handle the flow. Had to start an emergency pump, pumping to a drainage ditch. This is necessary to keep water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?):
Drainage ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 5/1/10 5:42 A.m.

Date and Time bypass/overflow ended: 5/9/10 9:15 Am

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road
Bullitt County

Cause of bypass/overflow: Heavy Rain Increased Flow into Plant - Turned blower off.

Estimated gallons of loss: 1.2 mil.

Environmental impact (what streams are impacted?):
Trib. Brooks Run.

Method of cleanup:

Comments: there was a small amount of sludge found in the creek. Had Bullitt County Septic Tank Service clean it out.

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 5/1/10 5:42 A.m.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road
Bullitt County

Cause of bypass/overflow: Heavy Rain Increased Flow into Plant - Turned blower off.

Estimated gallons of loss:

Environmental impact (what streams are impacted?):
Trib. Brooks Run.

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 4/24/10 3:43 pm

Date and Time bypass/overflow ended: 4/29/10 12:46 pm

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Rd.
Bullitt County

Cause of bypass/overflow:
Heavy Rain - Excessive Flow - Had To Turn the plant blower off.

Estimated gallons of loss:
900,000 gallons went through the plant during this time.

Environmental impact (what streams are impacted?):
Trib. Brooks Run

Method of cleanup:
Some solids did get out of the plant.

Comments:
Bullitt Septic Tank Service is scheduled To clean the creek at 9:00 Am on 4/30/10.

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): Larry Smith

Date and Time bypass/overflow started: 3/28/10 5:30 PM

Date and Time bypass/overflow ended: 3/29/10 7:50 PM

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road
Bullitt County

Cause of bypass/overflow: Rain and Heavy Flow. Had To Turn the blower off.

Estimated gallons of loss: 270,000

Environmental impact (what streams are impacted?):
Trib. To Brooks Run

Method of cleanup:
None Necessary

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): Lawrence W Smither @ 4:00 pm 4/08/10

Date and Time bypass/overflow started: 1:08 AM 4/08/10

Date and Time bypass/overflow ended: 4:40 pm 4/9/10

Responsible/Affected facility: Hunters Hollow Sewer System

Location: Blue Lick & Triangle Dr – Bullitt County

Cause of bypass/overflow: Heavy rain – increased flow into plant

Estimated gallons of loss: 167,000

Environmental impact (what streams are impacted?): Tributary to Books Run

Method of cleanup: there was a little sludge in the creek - had Bullitt County Septic Tank Service clean it out.

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
CBU#5210-04

TEMPO Incident ID#:

Notified by (caller): Lawrence W. Smither

Date and Time bypass/overflow started: 5/2/10 at 3:45 P.M.

Date and Time bypass/overflow ended: 5/3/10 at 1:37 P.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road – Bullitt County

Cause of bypass/overflow: Very Heavy Rain – Extremely heavy flow into the plant lift station. The pumps could not keep up. Had to start pumping the excess flow from the lift station wet well with a portable pump to the creek. This is necessary to keep water out of basements.

Estimated gallons of loss: 462,000

Environmental impact (what streams are impacted?):
Trib. To Brooks Run

Method of cleanup: None necessary

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
CBU#5210-04

TEMPO Incident ID#:

Notified by (caller): Lawrence W. Smither

Date and Time bypass/overflow started: 5/2/10 at 3:45 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road – Bullitt County

Cause of bypass/overflow: Very Heavy Rain – Extremely heavy flow into the plant lift station. The pumps could not keep up. Had to start pumping the excess flow from the lift station wet well with a portable pump to the creek. This is necessary to keep water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?):
Trib. To Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#60910-03

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 6/9/10 @ 11:12 A.M..

Date and Time bypass/overflow ended: 6/12/10 10:22 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle
Bullitt County

Cause of bypass/overflow: Due to the heavy rain in the early morning hours and the resulting heavy flow the operator had to turn off the plant blower so the clarifier would settle down and clear up.

Estimated gallons of loss: 540,000

Environmental impact (what streams are impacted?): Trib. To Brooks Run

Method of cleanup: None Necessary

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#60910-03

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 6/9/10 @ 11:12 A.M..

Date and Time bypass/overflow ended: On Going

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle
Bullitt County

Cause of bypass/overflow: Due to the heavy rain in the early morning hours and the resulting heavy flow the operator had to turn off the plant blower so the clarifier would settle down and clear up.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. To Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

PAGE 10
LINDA WOOD
5022391797
06/22/2010 07:52
n 28 10 08:29a Lawrence Smither
502-241-7943
p.1

(4)

COVERED BRIDGE UTILITIES, INC.
Work Order and Time Record

SAT

PLANT NAME Hunters Hollow ( ) CONTRACT ( ) NON-CONTRACT DATE: 6-12-10

LIFT STATION _____ EMPLOYEES NAME Shawn Ford

HOURS WORKED FROM: 10Am TO: 11:30Am TOTAL TIME ON JOB: 1½ hrs.

WORK PERFORMED: Checked Plant & S/S Exercised All Equ. Turned Plant Back on 10:22Am. Hosed down Plant.

JOB STATUS: IS JOB COMPLETE? _____ ARE PARTS, MOTORS, PUMPS, ETC. IN SHOP FOR REPAIR _____
OTHER _____

MATERIAL USED (ATTACH INVOICES WITH ALL MATERIAL PURCHASED):

COMPANY EQUIPMENT: CRANE ____ hrs. GAS PUMP ____ hrs. WELDER ____ hrs.

RENTAL EQUIPMENT: CRANE ____ hrs. GAS PUMP ____ hrs. WELDER ____ hrs.

PERSONAL MILEAGE 26448 PERSONAL EXPENSES _____

COMPANY MILEAGE 26468 20

FOR OFFICE USE ONLY:

____ R.T. hrs. @ ____ = ____

____ O.T. hrs. @ ____ = ____

LABOR ____

MILEAGE ____

LABOR + MILEAGE ____

MATERIAL USED ____

EQUIPMENT RENTAL ____

Note: Every employee will complete one of these work orders for each job. All time must be accounted for on these forms. NO EXCEPTIONS.

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#71310-01

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 7/13/10 at 7:30 A.M.

Date and Time bypass/overflow ended: 7/14/10 at 12:30 P.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road – Bullitt County

Cause of bypass/overflow: Heavy rain and increased flow to the plant. Turned the blower off to retain the solids in the plant.

Estimated gallons of loss: 217,500

Environmental impact (what streams are impacted?): Trib. Brooks Run

Method of cleanup: Bullitt County Septic Tank Service cleaned some light solids out of the creek on the 16th.

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#71310-01

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 7/13/10 at 7:30 A.M.

Date and Time bypass/overflow ended: On going

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road – Bullitt County

Cause of bypass/overflow: Heavy rain and increased flow to the plant. Turned the blower off to retain the solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#111610-01

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 11/16/10 5:00 P.M.

Date and Time bypass/overflow ended: 11/18/10 @ 12:30 P.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle - - Bullitt County

Cause of bypass/overflow: Heavy rain – increased flow to the plant – turned the plant blower off to retain the solids in the plant.

Estimated gallons of loss: 315,000

Environmental impact (what streams are impacted?): Trib. To Brooks Run

Method of cleanup: None necessary

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#720-01

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 7/20/10 9:00 A.M.

Date and Time bypass/overflow ended: 7/22/10 8:30 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road
Bullitt County

Cause of bypass/overflow: Heavy rain –increased flow. Had to turn the plant blower off to retain solids in the plant.

Estimated gallons of loss: 360,000

Environmental impact (what streams are impacted?): Trib. Brooks Run

Method of cleanup: None necessary

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR814-01

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 8/14/10 @ 7:15 P.M.

Date and Time bypass/overflow ended: 8/16/10 @ 8:30 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road – Bullitt County

Cause of bypass/overflow: Due to heavy rain in the area – it was necessary to turn the plant blower off to retain the solids in the plant.

Estimated gallons of loss:270,000

Environmental impact (what streams are impacted?): Trib. Brooks Run

Method of cleanup: None necessary

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#101510

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 10/15/10 @ 9:15 A.M.

Date and Time bypass/overflow ended: 10/15/10 @ 5:00 P.M.

Responsible/Affected facility: Hunters Hollow

Location: Blue Lick Road at Triangle
Bullitt County

Cause of bypass/overflow: Sludge return will not work and the operator couldn't get it working so he had to turn the blower off until the servicemen could get there to repair.

Estimated gallons of loss: 60,000

Environmental impact (what streams are impacted?): Trib. To Brooks Run

Method of cleanup: Bullitt County Septic Tank Service cleaned the creek

Comments:

Notification received by:

Notification date and time:

Faxed 11/30/10
8:45 am

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#112610-02

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 11/24/10 @ 8:00 P.M.

Date and Time bypass/overflow ended: 11/29/10 @ 9:00 A.M.

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle
Bullitt County

Cause of bypass/overflow: Heavy rain – increased flow into the plant. Turned the blower off so we could retain the solids in the plant.

Estimated gallons of loss: Approximately 900,000 gallons went through the plant during this period.

Environmental impact (what streams are impacted?): Trib. To Brooks Run

Method of cleanup: None necessary

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#112610-02

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 11/24/10 @ 8:00 P.M.

Date and Time bypass/overflow ended: On going

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle
Bullitt County

Cause of bypass/overflow: Heavy rain – increased flow into the plant. Turned the blower off so we could retain the solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. To Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#113010-01

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 11/29/10 @ 9:30 P.M.

Date and Time bypass/overflow ended: 12/6/10 @ 8:30 A.M.

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle
Bullitt County

Cause of bypass/overflow: Heavy rain – increased flow into the plant. Turned the blower off so we could retain the solids in the plant.

Estimated gallons of loss: 1,170,000

Environmental impact (what streams are impacted?): Trib. To Brooks Run

Method of cleanup: Not necessary

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#10311-01

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 1/1/11 @ 9:15 A.M.

Date and Time bypass/overflow ended: 1/6/11 @ 3 P.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle Dr.
Bullitt County

Cause of bypass/overflow: Rain and increased flow into the plant. Had to turn the blower off to retain solids. Also at this time we had a problem with the mechanical collector. As soon as it was repaired the plant was put back in full service.

Estimated gallons of loss: 810,000

Environmental impact (what streams are impacted?): Trib. To Brooks Run

Method of cleanup: Not necessary

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#10311-01

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 1/1/11 @ 9:15 A.M.

Date and Time bypass/overflow ended: On going

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle Dr.
Bullitt County

Cause of bypass/overflow: Rain and increased flow into the plant. Had to turn the blower off to retain solids

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. To Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#22511-06

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 2/24/11 @ 11:00 P.M.

Date and Time bypass/overflow ended: 2/25/11 @ 10:45 A.M.

Responsible/Affected facility: Hunters Hollow – Lift Station Section II

Location: Bullitt County

Cause of bypass/overflow: Very Heavy rain, increased flow. The two regular lift pumps could not keep up with the incoming flow so the third, emergency pump, had to be started up. This is necessary to keep sewage out of basements.

Estimated gallons of loss: 120,000

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#22511-06

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 2/24/11 @ 11:00 P.M.

Date and Time bypass/overflow ended: On Going

Responsible/Affected facility: Hunters Hollow – Lift Station Section II

Location: Bullitt County

Cause of bypass/overflow: Very Heavy rain, increased flow. The two regular lift pumps could not keep up with the incoming flow so the third, emergency pump, had to be started up. This is necessary to keep sewage out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#22511-05

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 2/24/11 @ 9:00 P.M.

Date and Time bypass/overflow ended: 2/25/11 @ 10:45 A.M.

Responsible/Affected facility: Hunters Hollow – Lift Station #1 (Old Ziniz station)

Location: Blue Lick Road at Hillview Blvd.
Bullitt County

Cause of bypass/overflow: Very Heavy rain, increased flow. The two regular lift pumps could not keep up with the incoming flow so the third, emergency pump, had to be started up. This is necessary to keep sewage out of basements.

Estimated gallons of loss: 144,000 (Mostly all clear water)

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup: There is some paper that will be raked up later today.

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#22511-05

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 2/24/11 @ 9:00 P.M.

Date and Time bypass/overflow ended: On Going

Responsible/Affected facility: Hunters Hollow – Lift Station #1 (Old Ziniz station)

Location: Blue Lick Road at Hillview Blvd.
Bullitt County

Cause of bypass/overflow: Very Heavy rain, increased flow. The two regular lift pumps could not keep up with the incoming flow so the third, emergency pump, had to be started up. This is necessary to keep sewage out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

FAXED
FEB 2 8 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#22511-04

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 2/24/11 @ 9:00 P.M.

Date and Time bypass/overflow ended: 2/25/11 @ 11:40 P.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle
Bullitt County

Cause of bypass/overflow: Very Heavy rain, increased flow. The pumps at the plant could not keep up with the incoming flow. A portable pump had to be set up to try and keep up with the flow and keep the sewage out of basements.

Estimated gallons of loss: 360,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: None necessary

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#22511-04

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 2/24/11 @ 9:00 P.M.

Date and Time bypass/overflow ended: On Going 2/25 11:40

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle
Bullitt County

Cause of bypass/overflow: Very Heavy rain, increased flow. The pumps at the plant could not keep up with the incoming flow. A portable pump had to be set up to try and keep up with the flow and keep the sewage out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

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MAR 8 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#30611-02

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 3/05/11 @ 10: A.M.

Date and Time bypass/overflow ended: 3/6/11 @ 8:30 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick at Triangle – Bullitt County

Cause of bypass/overflow: Heavy Rain – Increased flow – The lift station pumps at the plant unable to keep up with the increased flow. Had to start up a portable pump to assist in keeping the wet well down and to prevent sewage from backing up into basements.

Estimated gallons of loss: 345,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: Area has been raked up and lime is being placed on the effected area today.

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#30611-02

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 3/05/11 @ 10: A.M.

Date and Time bypass/overflow ended: On going

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick at Triangle – Bullitt County

Cause of bypass/overflow: Heavy Rain – Increased flow – The lift station pumps at the plant unable to keep up with the increased flow. Had to start up a portable pump to assist in keeping the wet well down and to prevent sewage from backing up into basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

FAXED
MAR 1 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#22811-02

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 2/28/11 @ 6:55 A.M.

Date and Time bypass/overflow ended: 2/28/11 @ 7:15 P.M.

Responsible/Affected facility: Hunters Hollow – Lift Station #1 (Ziniz)

Location: Blue Lick Road at Hillview Blvd.
Bullitt County

Cause of bypass/overflow: Heavy heavy rain and increased flow to the lift station. The lift pumps were unable to keep up with the flow so the 3rd or emergency pump had to be put in service to keep the wet well level down and sewage out of basements.

Estimated gallons of loss: 144,000

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup: They have raked and cleaned up as much as they can. But because of it still being so wet it is hard to get everything. Servicemen will keep an eye on the conditions and as soon as it is dry enough they will clean up anything that remains.

Comments:

Notification received by:

Notification date and time:

FAXED
FEB 2 8 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#22811-02

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 2/28/11 @ 6:55 A.M.

Date and Time bypass/overflow ended: On going

Responsible/Affected facility: Hunters Hollow – Lift Station #1 (Ziniz)

Location: Blue Lick Road at Hillview Blvd.
Bullitt County

Cause of bypass/overflow: Heavy heavy rain and increased flow to the lift station. The lift pumps were unable to keep up with the flow so the 3rd or emergency pump had to be put in service to keep the wet well level down and sewage out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

FAXED
MAR 1 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#22811-05

TEMPO Incident ID#:

Notified by (caller):Larry Smither

Date and Time bypass/overflow started: 2/28/11 @ 11:49 A.M.

Date and Time bypass/overflow ended: 2/28/11 @ 7:15 P.M.

Responsible/Affected facility: Hunters Hollow Sec. II Lift Station

Location: Bullitt County off of Hillview Blvd.

Cause of bypass/overflow: Very heavy rain and increased flow in the sewer main. The regular lift station pumps can not keep up with the flow. We had to start up the 3rd or emergency pump to keep the well pumped down enough that sewage would not back up into basements.

Estimated gallons of loss: 84,000

Environmental impact (what streams are impacted?): Drainage ditch.

Method of cleanup: Servicemen have raked and cleaned up all that is possible to get up at the present time. But due to the wet conditions they can't get everything. As soon as it is dry enough they will clean up whatever remains.

Comments:

Notification received by:

FAXED
FEB 2 8 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#22811-05

TEMPO Incident ID#:

Notified by (caller):Larry Smither

Date and Time bypass/overflow started: 2/28/11 @ 11:49 A.M.

Date and Time bypass/overflow ended: On going

Responsible/Affected facility: Hunters Hollow Sec. II Lift Station

Location: Bullitt County off of Hillview Blvd.

Cause of bypass/overflow: Very heavy rain and increased flow in the sewer main. The regular lift station pumps can not keep up with the flow. We had to start up the 3rd or emergency pump to keep the well pumped down enough that sewage would not back up into basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage ditch.

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

FAXED
MAR 1 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#22811-01

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 2/27/11 @ 11:50 P.M.

Date and Time bypass/overflow ended: 3/1/11 @ 2:10 P.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle
Bullitt County

Cause of bypass/overflow: Heavy heavy rain and increased flow to the plant. Plant pumps were unable to keep up with the flow so a portable pump had to be put in service to keep the wet well level down and sewage out of basements.

Estimated gallons of loss:648,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: Operator has cleaned up everything that is possible to get up at this time. As it dries we will clean up the rest.

Comments:

Notification received by:

Notification date and time:

FAXED
FEB 2 0 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#22811-01

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 2/27/11 @ 11:50 P.M.

Date and Time bypass/overflow ended: On going

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle
Bullitt County

Cause of bypass/overflow: Heavy heavy rain and increased flow to the plant. Plant pumps were unable to keep up with the flow so a portable pump had to be put in service to keep the wet well level down and sewage out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

FAXED
MAR 1 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#22811-03

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 2/28/11 @ 8:30 A.M.

Date and Time bypass/overflow ended: 3/1/11 @ 6:30 A.M.

Responsible/Affected facility: Brocklyn Subdivision WWTP

Location: Hager Drive - Richmond - Madison County

Cause of bypass/overflow: Very Heavy rain, increased flow. Operator had to turn the plant blower off so that the solids would be retained in the plant.

Estimated gallons of loss: 86,400

Environmental impact (what streams are impacted?): Trib. to Taylor Fork

Method of cleanup: None Necessary

Comments:

Notification received by:

Notification date and time:

FAXED
FEB 28 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#22811-03

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 2/28/11 @ 8:30 A.M.

Date and Time bypass/overflow ended: On going

Responsible/Affected facility: Brocklyn Subdivision WWTP

Location: Hager Drive - Richmond - Madison County

Cause of bypass/overflow: Very Heavy rain, increased flow. Operator had to turn the plant blower off so that the solids would be retained in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Taylor Fork

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#30911-02

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 3/08/11 @ 9:40 P.M.

Date and Time bypass/overflow ended: 3/10/11 @ 5:15 P.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick at Triangle – Bullitt County

Cause of bypass/overflow: Heavy Rain – Increased flow – The lift station pumps at the plant unable to keep up with the increased flow. Had to start up a portable pump to assist in keeping the wet well down and to prevent sewage from backing up into basements.

Estimated gallons of loss: 645,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: Operator has raked up solid matter and has spread lime.

Comments:

Notification received by:

Notification date and time:

FAXED
MAR 9 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#30911-02

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 3/08/11 @ 9:40 P.M.

Date and Time bypass/overflow ended: On going

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick at Triangle – Bullitt County

Cause of bypass/overflow: Heavy Rain – Increased flow – The lift station pumps at the plant unable to keep up with the increased flow. Had to start up a portable pump to assist in keeping the wet well down and to prevent sewage from backing up into basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

FAXED
MAR 15 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#30911-03

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 3/9/11 @ 3:03 A.M.

Date and Time bypass/overflow ended: 3/10/11 @ 2:20 A.M.

Responsible/Affected facility: Hunters Hollow – Lift Station #1 (Ziniz)

Location: Blue Lick Road at Hillview Blvd.
Bullitt County

Cause of bypass/overflow: Heavy heavy rain and increased flow to the lift station. The lift pumps were unable to keep up with the flow so the 3rd or emergency pump had to be put in service to keep the wet well level down and sewage out of basements.

Estimated gallons of loss: 345,000

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup: Effected area has been raked up and picked up.

Comments:

Notification received by:

Notification date and time:

FAXED
MAR 9 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#30911-03

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 3/9/11 @ 3:03 A.M.

Date and Time bypass/overflow ended: On going

Responsible/Affected facility: Hunters Hollow – Lift Station #1 (Ziniz)

Location: Blue Lick Road at Hillview Blvd.
Bullitt County

Cause of bypass/overflow: Heavy heavy rain and increased flow to the lift station. The lift pumps were unable to keep up with the flow so the 3rd or emergency pump had to be put in service to keep the wet well level down and sewage out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

FAXED
MAR 15 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#30911-04

TEMPO Incident ID#:

Notified by (caller):Larry Smither

Date and Time bypass/overflow started: 3/9/11 @ 3:00 A.M.

Date and Time bypass/overflow ended: 3/9/11 @ 8:30 P.M.

Responsible/Affected facility: Hunters Hollow Sec. II Lift Station

Location: Bullitt County off of Hillview Blvd.

Cause of bypass/overflow: Very heavy rain and increased flow in the sewer main. The regular lift station pumps can not keep up with the flow. We had to start up the 3rd or emergency pump to keep the well pumped down enough that sewage would not back up into basements.

Estimated gallons of loss: 255,000

Environmental impact (what streams are impacted?): Drainage ditch.

Method of cleanup: Effected area has been raked up and picked up.

Comments:

Notification received by:

Notification date and time:

FAXED
MAR 9 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#30911-04

TEMPO Incident ID#:

Notified by (caller):Larry Smither

Date and Time bypass/overflow started: 3/09/11 @ 3:00 A.M.

Date and Time bypass/overflow ended: On going

Responsible/Affected facility: Hunters Hollow Sec. II Lift Station

Location: Bullitt County off of Hillview Blvd.

Cause of bypass/overflow: Very heavy rain and increased flow in the sewer main. The regular lift station pumps can not keep up with the flow. We had to start up the 3rd or emergency pump to keep the well pumped down enough that sewage would not back up into basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage ditch.

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

FAXED
MAR 15 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#30911-01

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 3/09/11 @ 9:00 A.M.

Date and Time bypass/overflow ended: 3/12/11 @ 1:55 P.M.

Responsible/Affected facility: Kirby Lane Lift Station - Hill Ridge Subd.

Location: Stoneybrook at Kirby Lane – Jefferson County

Cause of bypass/overflow: Heavy Rain – Increased flow – The lift station pump is unable to keep up with the increased flow.

Estimated gallons of loss: 108,000

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup: Headden Septic Tank has vacuumed out the ditch.

Comments:

Notification received by:

Notification date and time:

FAXED
MAR 9 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#30911-01

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 3/09/11 @ 9:00 A.M.

Date and Time bypass/overflow ended: On going

Responsible/Affected facility: Kirby Lane Lift Station - Hill Ridge Subd.

Location: Stoneybrook at Kirby Lane – Jefferson County

Cause of bypass/overflow: Heavy Rain – Increased flow – The lift station pump is unable to keep up with the increased flow.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

FAXED
MAR 2 8 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#31511-02

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 3/14/11 @ 12:20 P.M.

Date and Time bypass/overflow ended: 3/16/11 @ 3:17 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick at Triangle – Bullitt County

Cause of bypass/overflow: Heavy Rain – Increased flow – The lift station pumps at the plant unable to keep up with the increased flow. Had to start up a portable pump to assist in keeping the wet well down and to prevent sewage from backing up into basements.

Estimated gallons of loss: 585,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: Raked and cleaned up the trash and solids that were on the ground and spread lime on the effected area.

Comments:

Notification received by:

Notification date and time:

FAXED
MAR 15 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#31511-02

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 3/14/11 @ 12:20 P.M.

Date and Time bypass/overflow ended: On going 3/16 @ 3:17 am

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick at Triangle – Bullitt County

Cause of bypass/overflow: Heavy Rain – Increased flow – The lift station pumps at the plant unable to keep up with the increased flow. Had to start up a portable pump to assist in keeping the wet well down and to prevent sewage from backing up into basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

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MAR 2 3 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#31511-03

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 3/14/11 @ 10:30 A.M.

Date and Time bypass/overflow ended: 3/16/11 @ 10:30 A.M.

Responsible/Affected facility: Hunters Hollow – Lift Station #1 (Ziniz)

Location: Blue Lick Road at Hillview Blvd.
Bullitt County

Cause of bypass/overflow: Heavy rain and increased flow to the lift station. The lift pumps were unable to keep up with the flow so the 3rd or emergency pump had to be put in service to keep the wet well level down and sewage out of basements.

Estimated gallons of loss: 432,000

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup: Raked and cleaned up the trash and solids that were on the ground.

Comments:

Notification received by:

Notification date and time:

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MAR 15 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#31511-03

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 3/14/11 @ 10:30 A.M.

Date and Time bypass/overflow ended: On going 3/16 10:30

Responsible/Affected facility: Hunters Hollow – Lift Station #1 (Ziniz)

Location: Blue Lick Road at Hillview Blvd.
Bullitt County

Cause of bypass/overflow: Heavy rain and increased flow to the lift station. The lift pumps were unable to keep up with the flow so the 3rd or emergency pump had to be put in service to keep the wet well level down and sewage out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

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MAY 6 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#41211-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 4/11/11 @ 7:17 P.M.

Date and Time bypass/overflow ended: 4/12/11 @ 1:10 P.M.

Responsible/Affected facility: Hunters Hollow Lift Station #1 (Ziniz)

Location: Blue Lick at Hillview Blvd.
Bullitt County

Cause of bypass/overflow: Very Heavy Rain and increased flow. Had to start up the high level submersible pump. This is necessary to keep water out of basements.

Estimated gallons of loss: 240,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: Raked and picked up the area effected.

Comments:

Notification received by:

Notification date and time:

FAXED
MAY 6 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#41211-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 4/11/11 @ 7:29 P.M.

Date and Time bypass/overflow ended: 4/12/11 @ 9:45 A.M.

Responsible/Affected facility: Hunters Hollow Lift Station II

Location: Bigwood Way
Bullitt County

Cause of bypass/overflow: Very heavy Rain and increased flow. Had to start up the high level submersible pump. This is necessary to keep water out of basements.

Estimated gallons of loss: 210,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: Raked up and picked up the area effected.

Comments:

Notification received by:

Notification date and time:

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APR 2 1 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#42011-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 4/19/11 @ 1:30 A.M.

Date and Time bypass/overflow ended: 4/20/11 @ 5:45 P.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road @ Triangle
Bullitt County

Cause of bypass/overflow: Very heavy rain and increased flow into the treatment plant. Had to start up a portable pump to assist the lift station pumps that by themselves could not keep up with the flow.. This is necessary to keep water from backing up into basements.

Estimated gallons of loss: 288,000

Environmental impact (what streams are impacted?): Trib. to Brooks run.

Method of cleanup: Raking up any solid material that is on the ground and spreading lime on the effected area.

Comments:

Notification received by:

Notification date and time:

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APR 2 1 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#42011-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 4/19/11 @ 1:30 A.M.

Date and Time bypass/overflow ended: 4/20/11 @ 5:45 P.M.

Responsible/Affected facility: Hunters Hollow Lift Station #1 (Ziniz)

Location: Blue Lick Road @ Hillview Blvd.
Bullitt County

Cause of bypass/overflow: Very heavy rain and increased flow into the lift station. Had to start up the high level, emergency pump at the lift station to keep up with the flow and keep water out of basements.

Estimated gallons of loss: 240,000

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup: Effected area will be raked and cleaned today. (21st)

Comments:

Notification received by:

Notification date and time:

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APR 2 1 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#42011-04

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 4/19/11 @ 1:30 A.M.

Date and Time bypass/overflow ended: 4/20/11 @ 10:45 A.M.

Responsible/Affected facility: Hunters Hollow Lift Station #2

Location: Big Wood Way
Bullitt County

Cause of bypass/overflow: Very heavy rain and increased flow into the lift station. Had to start up the high level, emergency pump at the lift station to keep up with the flow and keep water out of basements.

Estimated gallons of loss: 135,000

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup: Effected area will be raked and cleaned today. (21st)

Comments:

Notification received by:

Notification date and time:

FAXED
APR 12 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): Lawrence W Smither

Date and Time bypass/overflow started: 4/04/11 @ 3:41 PM

Date and Time bypass/overflow ended: 4/5/11 @ 11:16 A.m

Responsible/Affected facility: Hunters Hollow Treatment Plant

Location: Bullitt County

Cause of bypass/overflow: Heavy rain, increase flow; portable pump used to assist to keep water out of basements.

Estimated gallons of loss: 420,000

Environmental impact (what streams are impacted?): Trib. To Brooks Run

Method of cleanup: Raked up Trash and solid material Spread Lime.

Comments:

Notification received by:

Notification date and time:

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APR 1 2 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): Lawrence W Smither

Date and Time bypass/overflow started: 4/04/11 @ 10:55 PM

Date and Time bypass/overflow ended: 4/5/11 @ 7:20 a.m

Responsible/Affected facility: Hunters Hollow II L.S.

Location: Bullitt County

Cause of bypass/overflow: Heavy rain, increased flow; emergency pump used to assist to keep water out of basements.

Estimated gallons of loss: 120,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: Raked up effected area

Comments:

Notification received by:

Notification date and time:

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APR 12 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): Lawrence W Smither

Date and Time bypass/overflow started: 4/05/11 @ 3:00 am

Date and Time bypass/overflow ended: 4/5/11 @ 11:47 A.m

Responsible/Affected facility: Hunters Hollow I LS (Ziniz)

Location: Bullitt County

Cause of bypass/overflow: Heavy rain, increased flow; used emergency pump assist to keep water out of basements.

Estimated gallons of loss: 120,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: Raked up the debris

Comments:

Notification received by:

Notification date and time:

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JUL 13 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#41211-04

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 4/12/11 @ 11:40 A.M. (Found at this time)

Date and Time bypass/overflow ended: 4/18/11 @ 10:00 A.M.

Responsible/Affected facility: Kirby Lane Lift Station - - Hill Ridge Subdivision

Location: Kirby Lane at Stoneybrook
Jefferson County

Cause of bypass/overflow: Very heavy Rain and increased flow. Lift Station pump can not keep up with the flow.

Estimated gallons of loss: 432,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: Had Septic Tank trucks clean the ditch.

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#41211-04

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 4/12/11 @ 11:40 A.M. (Found at this time)

Date and Time bypass/overflow ended: On going

Responsible/Affected facility: Kirby Lane Lift Station - - Hill Ridge Subdivision

Location: Kirby Lane at Stoneybrook
Jefferson County

Cause of bypass/overflow: Very heavy Rain and increased flow. Lift Station pump can not keep up with the flow.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

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Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#42011-05

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 4/19/11 @ 8:00 A.M. (Found by operator)

Date and Time bypass/overflow ended: 5/9/11 @ 1:15 P.M.

Responsible/Affected facility: Kirby Lane Lift Station – Hill Ridge Subdivision

Location: Stoneybrook @ Kirby Lane

Cause of bypass/overflow: Very heavy rain and increased flow into the lift station and the lift station pump can not keep up with the flow.

Estimated gallons of loss: 1,296,000

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup: Septic Tank company cleaned the ditch on 5/10/11

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#42011-05

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 4/19/11 @ 8:00 A.M. (Found by operator)

Date and Time bypass/overflow ended: On going

Responsible/Affected facility: Kirby Lane Lift Station – Hill Ridge Subdivision

Location: Stoneybrook @ Kirby Lane

Cause of bypass/overflow: Very heavy rain and increased flow into the lift station and the lift station pump can not keep up with the flow.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

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BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#52311-02

TEMPO Incident ID#:

Notified by:Larry Smither

Date and Time bypass/overflow started: 5/23/11 @ 10:27 A.M.

Date and Time bypass/overflow ended: 5/27/11 @ 4:30 P.M.

Responsible/Affected facility: Hunters Hollow Lift Station #1 (Ziniz)

Location: Blue Lick Road
Bullitt County

Cause of bypass/overflow: Heavy rain in the early morning hours. Increased flow to the Lift station and the operator had to start up the high level, emergency pump to keep water out of basements.

Estimated gallons of loss: 756,000

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup: Picked up papers etc., and racked up the rest.

Comments:

Notification received by:

Notification date and time:

FAXED
JUL 1 8 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#52311-03

TEMPO Incident ID#:

Notified by:Larry Smither

Date and Time bypass/overflow started: 5/23/11 @ 10:27 A.M.

Date and Time bypass/overflow ended: 5/27/11 @ 4:22 P.M.

Responsible/Affected facility: Hunters Hollow Lift Station #2

Location: Big Wood Count
Bullitt County

Cause of bypass/overflow: Heavy rain in the early morning hours. Increased flow to the Lift station and the operator had to start up the high level, emergency pump to keep water out of basements.

Estimated gallons of loss: 648,000

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup: Servicemen picked up paper etc., and racked up the rest.

Comments:

Notification received by:

Notification date and time:

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JUL 13 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#52311-01

TEMPO Incident ID#:

Notified by:Larry Smither

Date and Time bypass/overflow started: 5/23/11 @ 8:10 A.M.

Date and Time bypass/overflow ended: 5/31/11 @ 8:05 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle
Bullitt County

Cause of bypass/overflow: Heavy rain in the early morning hours. Increased flow to the plant so the operator had to turn the plant blower off to retain the solids in the plant.

Estimated gallons of loss: 1,400,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: None necessary

Comments:

Notification received by:

Notification date and time:

FAXED
JUL 13 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#42511-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 4/25/11 @ 1:00 P.M.

Date and Time bypass/overflow ended: 5/6/11 @ 8:27 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road @ Triangle
Bullitt County

Cause of bypass/overflow: Very heavy rain and increased flow into the treatment plant. Also, the submersible pump in the plant lift station burnt up this morning so we had to start up a portable pump to assist the lift station self priming pumps, that by themselves could not keep up with the flow. This is necessary to keep water from backing up into basements.
Note: They are pulling the pump this afternoon and taking it to Quality Electric for emergency repair.

Estimated gallons of loss: 1,500,000

Environmental impact (what streams are impacted?): Trib. to Brooks run.

Method of cleanup: All paper and solid material was either picked up or racked up and lime was spread on the effected area.

Comments:

Notification received by:

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BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#20211-01

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 2/1/11 @ 6:00 P.M.

Date and Time bypass/overflow ended: 2/14/11 @ 8:30 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle
Bullitt County

Cause of bypass/overflow: Due to rain and increased flow into the plant operator had to turn the plant blower off so that the solids could be retained in the plant.

Estimated gallons of loss: 1,950,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: None necessary

Comments:

Notification received by:

Notification date and time:

FAXED
JUL 18 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#22511-03

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 2/24/11 @ 2:30 P.M.

Date and Time bypass/overflow ended: 3/17/11 @ 3/17/11 @ 8:25 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle
Bullitt County

Cause of bypass/overflow: Heavy rain, increased flow. Had to turn the blower off at the plant to retain the solids in the plant.

Estimated gallons of loss: 3,300,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#41211-01

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 4/11/11 @ 6:41 P.M.

Date and Time bypass/overflow ended: 4/19/11 @ 9:26 A.M.

Responsible/Affected facility: Hunters Hollow Wastewater Treatment Plant

Location: Blue Lick at Triangle
Bullitt County

Cause of bypass/overflow: Very Heavy Rain and increased flow into the treatment plant lift station. Had to start pumping from the wet well with a 4" portable pump to keep water out of basements. The plant pumps could not keep up with the flow by themselves.

Estimated gallons of loss: 1,200,000

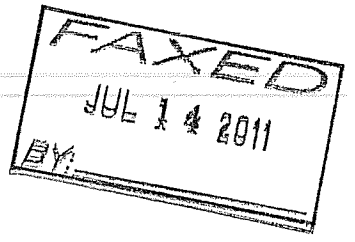
Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: None necessary (Due to all the heavy rain during this time, it was keeping the creek clean.)

Comments:

Notification received by:

Notification date and time:



Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#71311-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 7/12/11 @ 4:25 P.M.

Date and Time bypass/overflow ended: 7/14/11 @ 4:00 P.M.

Responsible/Affected facility: Hunters Hollow Subd. WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Very heavy rain – increased flow – turn the plant blower off to retain the solids in the plant.

Estimated gallons of loss: 400,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: Operator inspected the creek and it was clean.

Comments:

Notification received by:

Notification date and time:

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JUL 13 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#71311-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 7/12/11 @ 4:25 P.M.

Date and Time bypass/overflow ended: On going

Responsible/Affected facility: Hunters Hollow Subd. WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Very heavy rain – increased flow – turn the plant blower of to retain the solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?):

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

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JUL 14 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#71311-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 7/12/11 @ 4:45 P.M.

Date and Time bypass/overflow ended: 7/13/11 @ 9:30 A.M.

Responsible/Affected facility: Hunters Hollow Lift Station #2

Location: Big Wood – Bullitt County

Cause of bypass/overflow: Very heavy rain – increased flow - regular pumps could not keep up with the flow, had to start high level (emergency) pump.

Estimated gallons of loss: 102,000

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup: Servicemen cleaned the ditch by hand and racked up what they couldn't pick up.

Comments:

Notification received by:

Notification date and time:

FAXED
JUL 13 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#71311-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 7/12/11 @ 4:45 P.M.

Date and Time bypass/overflow ended: On going

Responsible/Affected facility: Hunters Hollow Lift Station #2

Location: Big Wood – Bullitt County

Cause of bypass/overflow: Very heavy rain – increased flow - regular pumps could not keep up with the flow, had to start high level (emergency) pump.

Estimated gallons of loss:

Environmental impact (what streams are impacted?):

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

FAXED
JUL 14 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#71311-04

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 7/12/11 @ 4:55 P.M.

Date and Time bypass/overflow ended: 7/13/11 @ 5:55 P.M.

Responsible/Affected facility: Hunters Hollow Lift Station #1 (Ziniz)

Location: Blue Lick at Hillview Blvd. – Bullitt County

Cause of bypass/overflow: Very heavy rain – increased flow - regular pumps could not keep up with the flow, had to start high level (emergency) pump.

Estimated gallons of loss: 144,000

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup: Servicemen racked the area, picked up the trash and properly disposed of same.

Comments:

Notification received by:

Notification date and time:

FAXED
JUL 13 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#71311-04

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 7/12/11 @ 4:55 P.M.

Date and Time bypass/overflow ended: On going

Responsible/Affected facility: Hunters Hollow Lift Station #1 (Ziniz)

Location: Blue Lick at Hillview Blvd. – Bullitt County

Cause of bypass/overflow: Very heavy rain – increased flow - regular pumps could not keep up with the flow, had to start high level (emergency) pump.

Estimated gallons of loss:

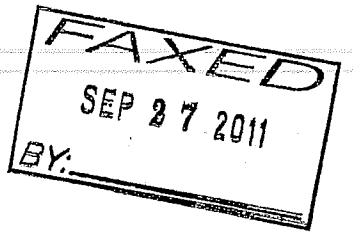
Environmental impact (what streams are impacted?):

Method of cleanup:

Comments:

Notification received by:

Notification date and time:



Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#92711-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 9/26/11 @ 10:00 A.M.

Date and Time bypass/overflow ended: 9/26/11 @ 6:40 P.M.

Responsible/Affected facility: Hunters Hollow lift station #1 (Ziniz)

Location: Blue Lick Road @ Hillview Blvd. - Bullitt County

Cause of bypass/overflow: Very heavy rain – increased flow to the lift stration. Had to start up the emergency pump to keep up with the flow.

Estimated gallons of loss: 120,000

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

FAXED
SEP 28 2011
BY: 5:45 pm

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#92311-01

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 9/23/11 @ 5:45 A.M.

Date and Time bypass/overflow ended: 9/28/11 @ 10:25 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Due to rain the operator had to turn the plant blower off to retain the solids in the plant.

Estimated gallons of loss: 875,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: Creek cleaned on 9/30/11

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#92311-01

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 9/23/11 @ 5:45 A.M.

Date and Time bypass/overflow ended: On going.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Due to rain the operator had to turn the plant blower off to retain the solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

FAXED
NOV 2 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#92811-04

TEMPO Incident ID#:

Notified by:

Date and Time bypass/overflow started: 9/28/11 @ 4:55 P.M. Note: After placing the plant back in service this morning the operator made 4 trips to the plant during the day to make sure we didn't loose any solids. When he returned at 4:55 P.M. the flow was just to much and the plant was loosing solids. So he had to turn the blower back off.

Date and Time bypass/overflow ended: 9/29/11 @ 12:30 P.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Very heavy flow and the plant was loosing solids.

Estimated gallons of loss: 130,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: We are making calls to try and get a contractor to clean the creek tomorrow the 29th. Note: Creek was cleaned on 9/30/11.

Comments:

Notification received by:

Notification date and time:

FAXED
SEP 28 2011
BY: 5:45 pm

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#92811-04

TEMPO Incident ID#:

Notified by:

Date and Time bypass/overflow started: 9/28/11 @ 4:55 P.M. Note: After placing the plant back in service this morning the operator made 4 trips to the plant during the day to make sure we didn't loose any solids. When he returned at 4:55 P.M. the flow was just to much and the plant was loosing solids. So he had to turn the blower back off.

Date and Time bypass/overflow ended: On going

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Very heavy flow and the plant was loosing solids.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: We are making calls to try and get a contractor to clean the creek tomorrow the 29th.

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#92811-04

TEMPO Incident ID#:

Notified by:

Date and Time bypass/overflow started: 9/28/11 @ 4:55 P.M. Note: After placing the plant back in service this morning the operator made 4 trips to the plant during the day to make sure we didn't loose any solids. When he returned at 4:55 P.M. the flow was just to much and the plant was loosing solids. So he had to turn the blower back off.

Date and Time bypass/overflow ended: 9/29/11 @ 12:30 P.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Very heavy flow and the plant was loosing solids.

Estimated gallons of loss: 130,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: We are making calls to try and get a contractor to clean the creek tomorrow the 29th.

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#92811-04

TEMPO Incident ID#: 2336909

Notified by:

Date and Time bypass/overflow started: 9/28/11 @ 4:55 P.M. Note: After placing the plant back in service this morning the operator made 4 trips to the plant during the day to make sure we didn't loose any solids. When he returned at 4:55 P.M. the flow was just to much and the plant was loosing solids. So he had to turn the blower back off.

Date and Time bypass/overflow ended: On going 9-29-11 12:30pm

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Very heavy flow and the plant was loosing solids.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: We are making calls to try and get a contractor to clean the creek tomorrow the 29th.

Comments:

Notification received by:

Notification date and time:

FAXED
OCT 26 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#102011-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 10/20/11 @ 8:15 A.M.

Date and Time bypass/overflow ended: 10/25/11 @ 11:46 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Continuous rain and heavy flow, operator turned the plant blower off to let the plant settle and retain the solids in the plant.

Estimated gallons of loss: 750,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: Not necessary

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#102011-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 10/20/11 @ 8:15 A.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Continuous rain and heavy flow, operator turned the plant blower off to let the plant settle and retain the solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#91911-01

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 9/18/11 @ 11:50 P.M.

Date and Time bypass/overflow ended: 9/22/11 @ 3:00 P.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Due to rain the operator had to turn the plant blower off to retain the solids in the plant.

Estimated gallons of loss: 612,500

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: There are some solids in the creek that will be cleaned out as soon as we can get one of the contractors there to do it. Probably first of next week.

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#91911-01

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 9/18/11 @ 11:50 P.M.

Date and Time bypass/overflow ended: ~~On going~~ 9/22/11 3:00

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle – Bullitt County

Cause of bypass/overflow: Due to rain the operator had to turn the plant blower off to retain the solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

FAXED
SEP 28 2011
BY: 1:20 pm

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#92811-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 9/27/11 @ 2:20 P.M. (Notified by resident that the alarm was going off)

Date and Time bypass/overflow ended: 9/27/11 @ 7:10 P.M.

Responsible/Affected facility: Kingswood Subdivision #1 Lift station

Location: Prince Court – Mt. Washington – Bullitt County

Cause of bypass/overflow: Electrical problems in the pump control panel. Neither pump would run over 10 seconds without kicking out. Technician installed new electric parts for one of the pumps and will have to pick up some additional parts for the #2 pump. But the one pump is able to handle the flow.

Estimated gallons of loss: 10,500

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup: Operator is spreading lime on the effected area and will rack up the solid material when it is dry enough.

Comments:

Notification received by:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#90911-01

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 9/8/11 @ 5:06 P.M.

Date and Time bypass/overflow ended: 9/12/11 @ 9:25 A.M.

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blud Lick Road @ Triangle

Cause of bypass/overflow: Heavy rain in the area – operator turned the blower off to retain the solids in the plant.

Estimated gallons of loss: 525,000

Environmental impact (what streams are impacted?): Trib. to Brook Run

Method of cleanup: Bullitt Septic Service cleaned the creek on 9/13/11

Comments:

Notification received by:

Notification date and time:

FAXED
SEP 9 2011
BY: 3:30 PM
LWS

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#90911-01

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 9/8/11 @ 5:06 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blud Lick Road @ Triangle

Cause of bypass/overflow: Heavy rain in the area – operator turned the blower off to retain the solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?):

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#90611-01

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 9/6/11 @ 4:10 A.M.

Date and Time bypass/overflow ended: 9/8/11 @ 7:44 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Heavy rain – Turned blower off to the plant to retain solids.

Estimated gallons of loss: 324,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: Bullitt Septic Service cleaned the creek on 9/13/11

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#90611-01

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 9/6/11 @ 4:10 A.M.

Date and Time bypass/overflow ended: On going

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Heavy rain – Turned blower off to the plant to retain solids.

Estimated gallons of loss:

Environmental impact (what streams are impacted?):

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#90511-01

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 9/4/11 @ 10:46 P.M.

Date and Time bypass/overflow ended: 9/5/11 @ 10:20 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Heavy rain – turned blower off to retain solids in the plant.

Estimated gallons of loss: 80,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: None necessary

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification

TEMPO Incident ID#:

Notified by (caller): Lawrence W Smither

Date and Time bypass/overflow started: Found 8:18 AM 8/07/11

Date and Time bypass/overflow ended: Stopped 8:25 AM 8/08/11

Responsible/Affected facility: Hunters Hollow STP

Location: Bullitt County, Kentucky

Cause of bypass/overflow: Excessive rain; Plant couldn't handle capacity

Estimated gallons of loss: 150,000 gallons

Environmental impact: Tributary of Brooks Run

Method of cleanup: Bullitt Co Septic cleaned creek on 8/09/11 @ 9:00 AM

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#62711-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 6/26/11 @ 7:12 A.M.

Date and Time bypass/overflow ended: 6/28/11 @ 4:20 P.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick at Triangle - Bullitt County

Cause of bypass/overflow: Heavy rain and increased flow. Had to turn the plant blower off to retain solids in the plant.

Estimated gallons of loss: 300,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: None necessary

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#62711-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 6/26/11 @ 7:12 A.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick at Triangle - Bullitt County

Cause of bypass/overflow: Heavy rain and increased flow. Had to turn the plant blower off to retain solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?):

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#42311-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 4/23/11 @ 5:47 A.M.

Date and Time bypass/overflow ended: 4/27/11

Responsible/Affected facility: Hunters Hollow Lift Station #1 (Ziniz)

Location: Blue Lick Road @ Hillview Blvd.
Bullitt County

Cause of bypass/overflow: Very heavy rain and increased flow into the station. The regular pumps could not keep up with the flow so the high level or 3rd pump had to be placed in service. This is necessary to keep water out of basements.

Estimated gallons of loss: 432,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: Servicemen raked up and picked up.

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#42311-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 4/23/11 @ 5:47 A.M.

Date and Time bypass/overflow ended: On going

Responsible/Affected facility: Hunters Hollow Lift Station #1 (Ziniz)

Location: Blue Lick Road @ Hillview Blvd.
Bullitt County

Cause of bypass/overflow: Very heavy rain and increased flow into the station. The regular pumps could not keep up with the flow so the high level or 3rd pump had to be placed in service. This is necessary to keep water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#42011-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 4/19/11 @ 1:30 A.M.

Date and Time bypass/overflow ended: 4/20/11 @ 5:45 P.M.

Responsible/Affected facility: Hunters Hollow Lift Station #1 (Ziniz)

Location: Blue Lick Road @ Hillview Blvd.
Bullitt County

Cause of bypass/overflow: Very heavy rain and increased flow into the lift station. Had to start up the high level, emergency pump at the lift station to keep up with the flow and keep water out of basements.

Estimated gallons of loss: 240,000

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup: Effected area will be raked and cleaned today. (21st)

Comments:

Notification received by:

Notification date and time:

FAXED
APR 2 1 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#42011-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 4/19/11 @ 1:30 A.M.

Date and Time bypass/overflow ended: On going

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road @ Triangle
Bullitt County

Cause of bypass/overflow: Very heavy rain and increased flow into the treatment plant. Had to turn the plant blower off to retain solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks run.

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#42511-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 4/25/11 @ 1:00 P.M.

Date and Time bypass/overflow ended: 5/6/11 @ 8:27 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road @ Triangle
Bullitt County

Cause of bypass/overflow: Very heavy rain and increased flow into the treatment plant. Also, the submersible pump in the plant lift station burnt up this morning so we had to start up a portable pump to assist the lift station self priming pumps, that by themselves could not keep up with the flow. This is necessary to keep water from backing up into basements.
Note: They are pulling the pump this afternoon and taking it to Quality Electric for emergency repair.

Estimated gallons of loss: 1,500,000

Environmental impact (what streams are impacted?): Trib. to Brooks run.

Method of cleanup: All paper and solid material was either picked up or racked up and lime was spread on the effected area.

Comments:

Notification received by:

FAXED
APR 25 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#42511-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 4/25/11 @ 1:00 P.M.

Date and Time bypass/overflow ended: On going

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road @ Triangle
Bullitt County

Cause of bypass/overflow: Very heavy rain and increased flow into the treatment plant. Also, the submersible pump in the plant lift station burnt up this morning so we had to start up a portable pump to assist the lift station self priming pumps, that by themselves could not keep up with the flow. This is necessary to keep water from backing up into basements.
Note: They are pulling the pump this afternoon and taking it to Quality Electric for emergency repair.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks run.

Method of cleanup:

Comments:

Notification received by:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#52311-02

TEMPO Incident ID#:

Notified by:Larry Smither

Date and Time bypass/overflow started: 5/23/11 @ 10:27 A.M.

Date and Time bypass/overflow ended: 5/27/11 @ 4:30 P.M.

Responsible/Affected facility: Hunters Hollow Lift Station #1 (Ziniz)

Location: Blue Lick Road
Bullitt County

Cause of bypass/overflow: Heavy rain in the early morning hours. Increased flow to the Lift station and the operator had to start up the high level, emergency pump to keep water out of basements.

Estimated gallons of loss: 756,000

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup: Picked up papers etc., and racked up the rest.

Comments:

Notification received by:

Notification date and time:

FAXED
MAY 2 3 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#52311-02

TEMPO Incident ID#:

Notified by:Larry Smither

Date and Time bypass/overflow started: 5/23/11 @ 10:27 A.M.

Date and Time bypass/overflow ended: On going

Responsible/Affected facility: Hunters Hollow Lift Station #1 (Ziniz)

Location: Blue Lick Road
Bullitt County

Cause of bypass/overflow: Heavy rain in the early morning hours. Increased flow to the Lift station and the operator had to start up the high level, emergency pump to keep water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?):

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#52311-01

TEMPO Incident ID#:

Notified by:Larry Smither

Date and Time bypass/overflow started: 5/23/11 @ 8:10 A.M.

Date and Time bypass/overflow ended: 5/31/11 @ 8:05 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle
Bullitt County

Cause of bypass/overflow: Heavy rain in the early morning hours. Increased flow to the plant so the operator had to turn the plant blower off to retain the solids in the plant.

Estimated gallons of loss: 1,400,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: None necessary

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#52311-01

TEMPO Incident ID#:

Notified by:Larry Smither

Date and Time bypass/overflow started: 5/23/11 @ 8:10 A.M.

Date and Time bypass/overflow ended: On going

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle
Bullitt County

Cause of bypass/overflow: Heavy rain in the early morning hours. Increased flow to the plant so the operator had to turn the plant blower off to retain the solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?):

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#113010-01

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 11/29/10 @ 9:30 P.M.

Date and Time bypass/overflow ended: 12/6/10 @ 8:30 A.M.

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle
Bullitt County

Cause of bypass/overflow: Heavy rain – increased flow into the plant. Turned the blower off so we could retain the solids in the plant.

Estimated gallons of loss: 1,170,000

Environmental impact (what streams are impacted?): Trib. To Brooks Run

Method of cleanup: Not necessary

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#113010-01

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 11/29/10 @ 9:30 P.M.

Date and Time bypass/overflow ended: On Going.

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blue Lick Road at Triangle
Bullitt County

Cause of bypass/overflow: Heavy rain – increased flow into the plant. Turned the blower off so we could retain the solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. To Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#22511-03

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 2/24/11 @ 2:30 P.M.

Date and Time bypass/overflow ended: On Going

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle
Bullitt County

Cause of bypass/overflow: Heavy rain, increased flow. Had to turn the blower off at the plant to retain the solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#22511-03

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 2/24/11 @ 2:30 P.M.

Date and Time bypass/overflow ended: 3/17/11 @ 3/17/11 @ 8:25 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle
Bullitt County

Cause of bypass/overflow: Heavy rain, increased flow. Had to turn the blower off at the plant to retain the solids in the plant.

Estimated gallons of loss: 3,300,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#41211-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 4/11/11 @ 7:29 P.M.

Date and Time bypass/overflow ended: 4/12/11 @ 9:45 A.M.

Responsible/Affected facility: Hunters Hollow Lift Station II

Location: Bigwood Way
Bullitt County

Cause of bypass/overflow: Very heavy Rain and increased flow. Had to start up the high level submersible pump. This is necessary to keep water out of basements.

Estimated gallons of loss: 210,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: Raked up and picked up the area effected.

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#41211-03

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 4/11/11 @ 7:29 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow Lift Station II

Location: Bigwood Way
Bullitt County

Cause of bypass/overflow: Very heavy Rain and increased flow. Had to start up the high level submersible pump. This is necessary to keep water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#41211-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 4/11/11 @ 7:17 P.M.

Date and Time bypass/overflow ended: 4/12/11 @ 1:10 P.M.

Responsible/Affected facility: Hunters Hollow Lift Station #1 (Ziniz)

Location: Blue Lick at Hillview Blvd.
Bullitt County

Cause of bypass/overflow: Very Heavy Rain and increased flow. Had to start up the high level submersible pump. This is necessary to keep water out of basements.

Estimated gallons of loss: 240,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: Raked and picked up the area effected.

Comments:

Notification received by:

Notification date and time:

FAXED
APR 1 2 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#41211-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 4/11/11 @ 7:17 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow Lift Station #1 (Ziniz)

Location: Blue Lick at Hillview Blvd.
Bullitt County

Cause of bypass/overflow: Very Heavy Rain and increased flow. Had to start up the high level submersible pump. This is necessary to keep water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#41211-01

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 4/11/11 @ 6:41 P.M.

Date and Time bypass/overflow ended: 4/19/11 @ 9:26 A.M.

Responsible/Affected facility: Hunters Hollow Wastewater Treatment Plant

Location: Blue Lick at Triangle
Bullitt County

Cause of bypass/overflow: Very Heavy Rain and increased flow into the treatment plant lift station. Had to start pumping from the wet well with a 4" portable pump to keep water out of basements. The plant pumps could not keep up with the flow by themselves.

Estimated gallons of loss: 1,200,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: None necessary (Due to all the heavy rain during this time, it was keeping the creek clean.)

Comments:

Notification received by:

Notification date and time:

FAXED
APR 1 2 2011
BY:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#41211-01

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 4/11/11 @ 6:41 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow Wastewater Treatment Plant

Location: Blue Lick at Triangle
Bullitt County

Cause of bypass/overflow: Very Heavy Rain and increased flow into the treatment plant lift station. Had to start pumping from the wet well with a 4" portable pump to keep water out of basements. The plant pumps could not keep up with the flow by themselves.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#20211-01

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 2/1/11 @ 6:00 P.M.

Date and Time bypass/overflow ended: 2/14/11 @ 8:30 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle
Bullitt County

Cause of bypass/overflow: Due to rain and increased flow into the plant operator had to turn the plant blower off so that the solids could be retained in the plant.

Estimated gallons of loss: 1,950,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: None necessary

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#20211-01

TEMPO Incident ID#:

Notified by (caller): Larry Smither

Date and Time bypass/overflow started: 2/1/11 @ 6:00 P.M.

Date and Time bypass/overflow ended:

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle
Bullitt County

Cause of bypass/overflow: Due to rain and increased flow into the plant operator had to turn the plant blower off so that the solids could be retained in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#42311-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 4/23/11 @ 5:47 A.M.

Date and Time bypass/overflow ended: 4/27/11 @ 11:00 A.M.

Responsible/Affected facility: Hunters Hollow Lift Station #2

Location: Big Wood
Bullitt County

Cause of bypass/overflow: Very heavy rain and increased flow into the station. The regular pumps could not keep up with the flow so the high level or 3rd pump had to be placed in service. This is necessary to keep water out of basements.

Estimated gallons of loss: 648,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: Servicemen raked and cleaned up and spread some lime.

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#42311-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 4/23/11 @ 5:47 A.M.

Date and Time bypass/overflow ended: On going 4-27-11 @

Responsible/Affected facility: Hunters Hollow Lift Station #2

Location: Big Wood
Bullitt County

Cause of bypass/overflow: Very heavy rain and increased flow into the station. The regular pumps could not keep up with the flow so the high level or 3rd pump had to be placed in service. This is necessary to keep water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#42311-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 4/23/11 @ 5:47 A.M.

Date and Time bypass/overflow ended: 4/27/11

Responsible/Affected facility: Hunters Hollow Lift Station #1 (Ziniz)

Location: Blue Lick Road @ Hillview Blvd.
Bullitt County

Cause of bypass/overflow: Very heavy rain and increased flow into the station. The regular pumps could not keep up with the flow so the high level or 3rd pump had to be placed in service. This is necessary to keep water out of basements.

Estimated gallons of loss: 432,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: Servicemen raked up and picked up.

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#42311-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 4/23/11 @ 5:47 A.M.

Date and Time bypass/overflow ended: On going 4-27-11

Responsible/Affected facility: Hunters Hollow Lift Station #1 (Ziniz)

Location: Blue Lick Road @ Hillview Blvd.
Bullitt County

Cause of bypass/overflow:. Very heavy rain and increased flow into the station. The regular pumps could not keep up with the flow so the high level or 3rd pump had to be placed in service. This is necessary to keep water out of basements.

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#90611-01

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 9/6/11 @ 4:10 A.M.

Date and Time bypass/overflow ended: 9/8/11 @ 7:44 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Heavy rain – Turned blower off to the plant to retain solids.

Estimated gallons of loss: 324,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: Bullitt Septic Service cleaned the creek on 9/13/11

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#90611-01

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 9/6/11 @ 4:10 A.M.

Date and Time bypass/overflow ended: 9/8/11 @ 7:44 A.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Heavy rain – Turned blower off to the plant to retain solids.

Estimated gallons of loss: 324,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: Cleaning invoices from Smith

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#90611-01

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 9/6/11 @ 4:10 A.M.

Date and Time bypass/overflow ended: On going 9-8-11 @ 7:44 am

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick Road at Triangle

Cause of bypass/overflow: Heavy rain – Turned blower off to the plant to retain solids.

Estimated gallons of loss:

Environmental impact (what streams are impacted?):

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#90911-01

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 9/8/11 @ 5:06 P.M.

Date and Time bypass/overflow ended: 9/12/11 @ 9:25 A.M.

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blud Lick Road @ Triangle

Cause of bypass/overflow: Heavy rain in the area – operator turned the blower off to retain the solids in the plant.

Estimated gallons of loss: 525,000

Environmental impact (what streams are impacted?): Trib. to Brook Run

Method of cleanup: Bullitt Septic Service cleaned the creek on 9/13/11

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#90911-01

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 9/8/11 @ 5:06 P.M.

Date and Time bypass/overflow ended: 9/12/11 @ 9:25 A.M.

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blud Lick Road @ Triangle

Cause of bypass/overflow: Heavy rain in the area – operator turned the blower off to retain the solids in the plant.

Estimated gallons of loss: 525,000

Environmental impact (what streams are impacted?): Trib. to Brook Run

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

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SEP 9 2011
BY: 3:30 PM
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Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#90911-01

TEMPO Incident ID#:

Notified by: Lawrence W. Smither

Date and Time bypass/overflow started: 9/8/11 @ 5:06 P.M.

Date and Time bypass/overflow ended: 9-12-11 @ 9:25am

Responsible/Affected facility: Hunters Hollow Subdivision WWTP

Location: Blud Lick Road @ Triangle

Cause of bypass/overflow: Heavy rain in the area – operator turned the blower off to retain the solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?):

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#71011-04

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 7/8/11 @ 2:00 P.M.

Date and Time bypass/overflow ended: 7/10/11 @ 7:04 A.M.

Responsible/Affected facility: Hunters Hollow Subd. WWTP

Location: Blue Lick Road at Triangle -- Bullitt County

Cause of bypass/overflow: Very heavy rain – increased flow into the plant. Had to turn the blower off to retain solids in the plant.

Estimated gallons of loss: 270,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: None necessary

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#71011-04

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 7/8/11 @ 2:00 P.M.

Date and Time bypass/overflow ended: On going 7-10-11 @ 2:40pm

Responsible/Affected facility: Hunters Hollow Subd. WWTP

Location: Blue Lick Road at Triangle -- Bullitt County

Cause of bypass/overflow: Very heavy rain – increased flow into the plant. Had to turn the blower off to retain solids in the plant.

Estimated gallons of loss:

Environmental impact (what streams are impacted?):

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#71011-05

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 7/8/11 @ 2:15 P.M.

Date and Time bypass/overflow ended: 7/9/11 @ 7:30 P.M.

Responsible/Affected facility: Hunters Hollow Lift Station #1 (Ziniz)

Location: Blue Lick Road at Hillview Blvd. -- Bullitt County

Cause of bypass/overflow: Very heavy rain – increased flow into the lift station. Had to turn the high level pump. (3rd pump)

Estimated gallons of loss: 216,000

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup: Servicemen raked up and cleaned up the effected area.

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#71011-05

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 7/8/11 @ 2:15 P.M.

Date and Time bypass/overflow ended: On going

Responsible/Affected facility: Hunters Hollow Lift Station #1 (Ziniz)

Location: Blue Lick Road at Hillview Blvd. -- Bullitt County

Cause of bypass/overflow: Very heavy rain – increased flow into the lift station. Had to turn the high level pump. (3rd pump)

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#71011-06

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 7/8/11 @ 2:20 P.M.

Date and Time bypass/overflow ended: 7/9/11 @ 5:35 P.M.

Responsible/Affected facility: Hunters Hollow lift station #2

Location: Big Wood Way - - Bullitt County

Cause of bypass/overflow: Very heavy rain – increased flow into the lift station. Had to turn the high level pump on. (3^{rd} pump)

Estimated gallons of loss: 288,000

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup: Servicemen raked up and cleaned up the effected area.

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#71011-06

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 7/8/11 @ 2:20 P.M.

Date and Time bypass/overflow ended: On going 7-9-11 @ [redacted]

Responsible/Affected facility: Hunters Hollow Lift Station #2

Location: Big Wood Way -- Bullitt County

Cause of bypass/overflow: Very heavy rain – increased flow into the lift station. Had to turn the high level pump on. (3rd pump)

Estimated gallons of loss:

Environmental impact (what streams are impacted?): Drainage ditch

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#62711-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 6/26/11 @ 7:12 A.M.

Date and Time bypass/overflow ended: 6/28/11 @ 4:20 P.M.

Responsible/Affected facility: Hunters Hollow WWTP

Location: Blue Lick at Triangle - Bullitt County

Cause of bypass/overflow: Heavy rain and increased flow. Had to turn the plant blower off to retain solids in the plant.

Estimated gallons of loss: 300,000

Environmental impact (what streams are impacted?): Trib. to Brooks Run

Method of cleanup: None necessary

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#62711-01

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 6/26/11 @ 7:12 A.M.

Date and Time bypass/overflow ended: 6-28-11 4:20pm

Responsible/Affected facility: Hunters Hollow WWTP

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#61811-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 6/18/11 @ 7:30 A.M.

Date and Time bypass/overflow ended: 6/18/11 @ 4:32 P.M.

Responsible/Affected facility: Hunters Hollow #1 lift station (Ziniz)

Location: Blue Lick Road @ Hillview Blvd - Bullitt County

Cause of bypass/overflow: Due to heavy rain the primary lift station pumps couldn't keep up with the flow so the emergency or high level pump had to be started up.

Estimated gallons of loss: 135,000

Environmental impact (what streams are impacted?): Drainage Ditch

Method of cleanup: Servicemen raked and picked up by hand the trash left on the ground.

Comments:

Notification received by:

Notification date and time:

Environmental & Public Protection Cabinet
Department for Environmental Protection
Division of Water
Bypass/Overflow Notification
BPR#61811-02

TEMPO Incident ID#:

Notified by: Larry Smither

Date and Time bypass/overflow started: 6/18/11 @ 7:30 A.M.

Date and Time bypass/overflow ended: On going 6-19-11 @ 4:30pm

Responsible/Affected facility: Hunters Hollow #1 lift station (Ziniz)

Location: Blue Lick Road @ Hillview Blvd - Bullitt County

Cause of bypass/overflow: Due to heavy rain the primary lift station pumps couldn't keep up with the flow so the emergency or high level pump had to be started up.

Estimated gallons of loss:

Environmental impact (what streams are impacted?):

Method of cleanup:

Comments:

Notification received by:

Notification date and time:

KENTUCKY PUBLIC SERVICE COMMISSION

INSPECTION PROCEDURES
WASTEWATER TREATMENT PLANTS
AND SEWAGE COLLECTION SYSTEMS

TABLE OF CONTENTS

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I. STATEMENT OF PURPOSE

The purpose of this Inspection Procedure Manual is to outline basic inspection practices pertaining to the operation of wastewater treatment plants and sewage collection systems as outlined in 807 KAR 5:071 Section 7 paragraph (4) . . .

> *"Inspection of facilities. Each sewage utility shall adopt procedures for inspection of its sewage treatment facilities to assure safe and adequate operation of its facilities and compliance with commission rules. These procedures shall be filed with the commission. Unless otherwise authorized in writing by the commission, the sewage utility shall make inspections of collecting sewers and manholes on a scheduled basis at intervals not to exceed one (1) year, unless conditions warrant more frequent inspections and shall make inspections of all mechanical equipment on a daily basis. The sewage utility shall maintain a record of findings and corrective actions required, and/or taken, by location and date."*

Location of Inspection Manual

The inspection manual has been prepared for use by the operating personnel of the company. Each employee shall be provided a copy of this manual.

The inspection manual is continuously being updated to cover areas relating to the safe operation of wastewater treatment plants. A current copy can be obtained by contacting the company office.

Any comments or suggestions on improving the inspection manual or updating information pertaining to the safe operation of equipment is welcome and can be incorporated into future editions.

II. RESPONSIBILITY

A. Management

The employer shall have the same responsibility for inspection of treatment facilities as for any other part of the operation.

The employer shall appoint only competent personnel as inspectors, who shall be responsible for those under his or her supervision.

The employer shall require his supervisor to observe and enforce all regulations.

The employer shall provide adequate automotive equipment, tools, and protective devices, and insist upon their proper use and maintenance.

B. Supervisor

Supervisors shall have the same responsibility for inspection of facilities as any other part of their wastewater operations.

Supervisors are at all times responsible for inspection of facilities.

Supervisors will be held accountable for quality of effluent unless investigation shows effluent quality is due to conditions beyond the supervisors' control.

Supervisors shall instruct all new employees in inspection procedures at wastewater treatment plants.

Supervisors shall be responsible for the training and instruction of new employees and of employees transferred to their supervision.

Supervisors shall fully understand and comply with the inspection requirements of the inspection manual. They shall also ensure the inspection procedures are understood by the wastewater operators under their supervision.

Supervisors shall insist on workmen observing these procedures and shall use disciplinary measures, if necessary, to obtain compliance.

Supervisors shall be responsible for the regular inspection reports of personnel under their supervision.

C. Employee

It is the definite responsibility of each employee to maintain accurate records as to the condition of equipment and flow conditions of the plant.

It is the responsibility of each employee to report to the person in charge all conditions which might affect effluent quality or machinery reliability.

It is the responsibility of each employee to acquaint himself or herself with the inspection forms and procedures used in the operation of the wastewater treatment plant as soon as possible.

It is the responsibility of each employee to attend all meetings possible and to take an active part in maintaining accurate records.

III. EMPLOYEE TRAINING

A basic knowledge of the operational procedures of a wastewater treatment plant is required to perform any type of inspection:

The inspector should become familiar with the following:

- Basic hydraulic layout of a wastewater treatment plant;
- The biological process of sewage treatment;
- Mechanical operation of blowers and pumps;
- Basic electrical knowledge, with emphasis on motor controls, overload protection, and timing devices.

Training is normally provided on the inspection of wastewater facilities through participation in water and wastewater seminars and the state sponsored wastewater operators' schools.

IV. REPORTING

National Pollutant Discharge Elimination System (NPDES) reports are required on a quarterly or monthly basis as permit requires.

NPDES reports and Kentucky Pollutant Discharge Elimination System (KPDES) reports are required on a quarterly or monthly basis as discharge permit requires.

NPDES reports and KPDES reports shall be run by an independent laboratory, if onsite water testing facilities are unavailable.

When deficiencies are noted, it shall be the responsibility of the plant operator to make adjustments to maintain the best performance possible with existing equipment.

The state Department of Natural Resources shall be the primary enforcement authority, with Kentucky Public Service Commission having jurisdiction over rates and services, and the county health department having local jurisdiction in wastewater systems.

V. PROCEDURES

Each item of equipment in the wastewater treatment plant and collection system shall be inspected on a daily, weekly, monthly, or yearly basis as indicated in the attached "Wastewater Treatment Plant Operational and Preventive Maintenance Check List."

Each utility is free to prepare and customize their inspection forms for elements of the wastewater treatment process and collection system based on the following general outline to indicate current conditions and whether maintenance is necessary. Utilities should prepare and retain an inspection log that includes the signature of the employee and the date the inspection was performed. Management should ensure that

copies of these inspection logs and forms are kept to present to Kentucky Public Service Commission investigators upon annual inspection.

WASTEWATER TREATMENT PLANT

OPERATIONAL AND PREVENTIVE MAINTENANCE CHECK LIST

GENERAL OUTLINE FOR INSPECTION PROCEDURES

Operational and Preventive Maintenance	Frequency						
	Daily	Weekly	Monthly	3 Mo	6 Mo	Yearly	As Necessary
1 SEWAGE TREATMENT FACILITIES SURVEY FOR THE FOLLOWING CONDITIONS:							
Plant Area							
a. Check fence damage	X						
b. Check plant area	X						
Lagoon							
a. Any buildup of scum on pond surface and discharge outlet boxes	X						
b. Signs of burrowing animals	X						
c. Anaerobic conditions noted by odor and black color	X						
d. Water grown weeds	X						
e. Evidence of dike erosion	X						
f. Dike leakage	X						
g. Fence damage	X						
h. Ice buildup in winter							X
i. Evidence of short circuiting	X						
2 PRETREATMENT							
a. Clean inlet, screens, and properly dispose of trash	X						
b. Check inlet flowmeter and floatwell	X						
c. Remove and dispose of rags and accumulation from comminutor and bar screen	X						
d. Check for rock or metal objects in comminutor channel	X						
e. Observe flow and cutting action of comminutor	X						
3 PUMP STATIONS							
a. Remove debris	X						
b. Check pump operation	X						
c. Clean floats, bubblers, or other control devices		X					
d. Lubricate pump							X
e. Check exhaust fan	X						
f. Check dehumidifier	X						
g. Check alarms	X						
h. Check sump pumps		X					

Operational and Preventive Maintenance	Frequency						
	Daily	Weekly	Monthly	3 Mo	6 Mo	Yearly	As Necessary
4 COMMINUTING DEVICES							
a. Check comminutor blades		X					
b. Sharpen comminutor blades when cutting edge is worn 1/8 inch							X
c. Check oil level		X					
d. Grease if called for in manufacturers instructions							X
5 CHLORINATORS							
a. Check solution level in self-contained solution crock	X						
b. Check chlorine cylinders	X						
c. Check feed rate	X						
d. Change chlorine cylinders							X
e. Check Hypochlorinator Unit	X						
6 FLOW MEASURING DEVICES							
a. Check and clean floats, etc.	X						
b. Verify accuracy				X			
7 VALVES AND GATES							
a. Check to see if set correctly	X						
b. Check electrical controls	X						
c. Check control housing			X				
d. Check for unprotected electrical connections	X						
8 CENTRAL CONTROL SYSTEM							
a. Check timers	X						
b. Check electrical controls	X						
c. Check control housing			X				
d. Check for unprotected electrical connections	X						
9 AERATION BASIN							
a. Visually check aeration system for even air distribution; no dead spots	X						
b. Raise and clean rags from diffusers		X					
c. Check oil level in mechanical aerator gear cases		X					
d. Check oil level in blower gear cases	X						
e. Check for air leaks around base and fittings of blower	X						
f. Check blower belts for wear and tension		X					
g. Check blower motor and bearings for excessive heat	X						
h. Check aeration system for unusual noises or vibration	X						

Operational and Preventive Maintenance	Frequency						
	Daily	Weekly	Monthly	3 Mo	6 Mo	Yearly	As Necessary
i. Log running time for mechanical aeration	X						
j. Check amperage on mechanical aeration				X			
10 CLARIFIER							
a. Scrape sides and sloping bottom of clarifier							X
b. Check to see if sludge collection arm is turning	X						
c. Remove any floating material on top of clarifier	X						
d. Check sludge recirculation system	X						
e. Check scum recirculation system	X						
11 CHLORINE CONTACT TANK							
a. Remove any floating material on top of contact tank	X						
b. Remove sludge from chlorine tank when needed			X				
c. Visual check of baffles for proper placement to ensure proper chlorine contact time	X						
12 TERTIARY TREATMENT							
a. Clean screen on mico-strainer	X						
b. Lubricate mico-strainer							X
c. Check backwash pumps	X						
d. Check backwash surge chamber pumps	X						
e. Check media						X	
13 PUMPS AND MOTORS							
a. Check for blockages in RAS return pump	X						
b. Check pumps for clogging or near clogging condition	X						
c. Clean screen at intake of suction piping of pump							X
d. Lubricate pump bearing							X
e. Check pump bearings temperature	X						
f. Drain pump lubricants, wash oil wells and bearings with kerosene				X			
g. Check pump bearings for wear				X			
h. Check alignment of pump and motor flange with straight edge					X		
i. Check motors for heating	X						
j. Replace pump packing							X
k. Check pump shaft sleeves			X				

Operational and Preventive Maintenance	Frequency						
	Daily	Weekly	Monthly	3 Mo	6 Mo	Yearly	As Necessary
l. Replace pump shaft sleeves							X
m. Examine pump wearing rings (manufacturer should specify what is excessive)						X	
n. Clean water seal piping						X	
o. Inspect foot valves and check valves					X		
14 OPERATIONAL CONTROLS							
a. Observe odor, color, and foam of aeration tank	X						
b. Perform necessary operational and control tests (settle ability test, pH, chlorine residual, etc.)	X						
c. Perform tests as required by NPDES permit and regulatory agency							X
15 COLLECTING SYSTEM							
a. Sewer lines						X	
b. Manholes						X	

The utility will also make an inspection on the receipt of a report of a potentially hazardous condition made by a qualified employee, public official, or a customer.

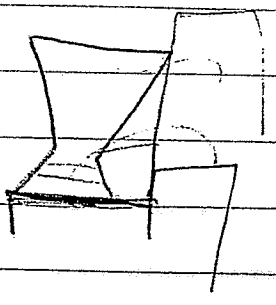
Appropriate records will be kept to identify the inspection made, deficiencies found, and action taken to correct such deficiencies.

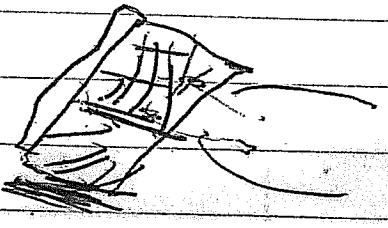
		12/18 Checked Plant Everything ok	5:30
0 5		12/19 Checked Plant & Clean Building out	8:30
4		12/20 Checked Plant ok	8:10
5		21 Checked Plant Sheet Blown off	8:30
8.3		12/22 Checked Plant Part Blown in Snow	7:30
		12/23 Checked Plant ok	9:00
		12/24 Checked Plant Everything ok	8:30
9:0		12/25 Checked Plant ok	11:00
8.00		12/26 Checked Plant ok	8:30
825		12/27 Checked Plant ok	830
8.2		12/28 Checked Plant & Clean	8:10
745		12/29 Checked Plant ok	9.30
810		12/30 Checked Plant ok	11:00
820		12/31 Checked plant & Clean	8:05
9:26	2008		
815		1/1 Checked Plant ok	4:00
1:40		1/2 Checked Plant ok	9:00
Seen 6:2		1/3 Checked Plant ok	9:10
8:40		1/4 Checked Plant Everything ok	9:30
9:00		1/5 Checked Plant ok	9:45
8:45		1/6 Checked Plant ok	6:00
1:50		1/7 Checked Plant ok	9:15
		1/8 Checked Plant & Clean	8:00
30AM		1/9 Checked Plant ok	9:00
		1/10 Checked Plant Sheet Blown off Rain	9:30

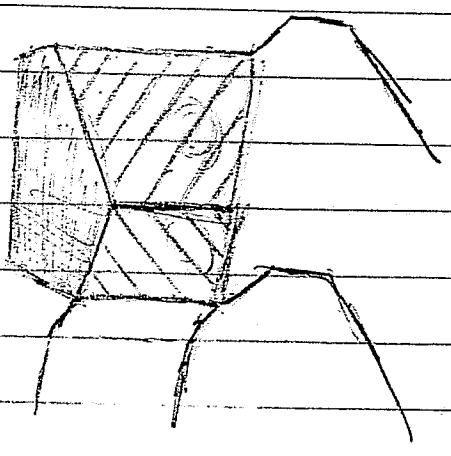
27[illegible]0	1/11 Checked Plnt Blower Stop off heavy flow	
26[illegible]0	1/12 Checked Plnt o/c Blower off 9:30	
25[illegible]0	1/13 Checked Plnt Part Blower on Sweep	4.00 PM
279.80	1/14 Checked Plnt o/c	
2[illegible]2.00	1/15 Checked Plnt & Chang CL2.	
27[illegible]0	1/16 Checked Plnt o/c	
2702[illegible]	1/17 Checked Plnt o/c	30
2512[illegible]	1/18 Checked Plnt o/c	9
2541[illegible]	1/19 Checked Plnt o/c	8
2796[illegible]	1/20 Checked Plnt o/c	12
25[illegible]0	1/21 Checked Plnt Emy Chg o/c	11
[illegible]6100	1/22 Checked Plnt ok	6
2562.00	1/23 Checked Plnt o/c	6
3862.00	1/24 Checked Plnt o/c	9
25[illegible]10	1/25 Checked Plnt o/c	5
2795.00	1/26 Checked Plnt o/c	7
25[illegible]10	1/27 Checked Plnt o/c	11
2542.00	1/28 Checked Plnt Test Day	6
[illegible]7400	1/29 Checked Plnt & Chang Strnr Blower off Rain	5
3612.00	1/29 4:30 Pump [illegible] Wet Well	
2[illegible]4.60	Ne flow	
5[illegible]8.80	1/30 Checked Plnt & Strainer ok flow	5
3[illegible]0.00	1/30 Part Blower on Sweep at 2:00 PM	
2[illegible]1.00	1/31 Checked Plnt o/c	5
	Dp Chemical on time Beaver	

2/2 Checked Roof OK 11AM

2/3 Checked Roof OK 10:45AM







2/4 Checked Plant ok

2/5 Checked Plant & Clean Shut Blower off Rain

2/6 Blower Stay off Rain

2/7 Checked Plant Put Blower on Sewer

2/7 checked Plant ok 7:30 Pm Shower

2/8 Checked Plant ok 8:40 Am Shower

2/9 Checked Plant ok

2/10 Checked Plant ok

2/11 Checked Plant ok

2/12 Checked plant Shut Blower off

2/13 Checked Plant Blower Stayed off Weekend

2/14 Checked Plant Blower Stay off

2/15 Checked Plant We Work Can't Put Blower in Sewer

2/16 checked Plant still off 9:15 Am

2/16 Checked Plant still off 2:00 Pm

2/16 checked Plant still off 10:10 Pm

2/17 Checked Plant still off 9:45 Am

2/17 Checked Plant still off 4:00 Pm

2/17 Checked Plant still off 6:45 Pm

2/18 Checked Plant May get to turn on this Afternoon 8:25 Am

2/18 Checked Plant turned Plant back on at 3:15 pm

2/19 Checked Plant ok 8:25 am

2/20 Checked Plant ok 9:40 Am

2/21 Checked Plant ok 9:15 Am

2/21 Checked Plant. Had to Shut blower off due to high water Rain/Snow/Ice 7:40 Pm Shower

8:30

8:10 checked Plant again have high flow. I Am Staying here for a couple of hours to make Sure I dont have to Set up gas Pump. 10:14pm Shawn

11:30 checked Plant Set up gas Pump at 11:41pm and Pumped until 3:14 am. Emergency Pump is keeping up now and Pump cycling on and off. 3:20 Am Shawn

10:30 checked Plant water Still high but dont need to Set up gas

6:00 Pump. 8:20Am Shawn

8:10

11:45 checked Plant. All the ice is melting and it's raining.

8:35 had to Set gas Pump back up at 1:20Am and Pumped

6:00 for 2 1/2 hours. everything is working good now and the

pm Emergency Pump is keeping up with the flow. Pumped 1:20- 3:50 Am

8:10 checked Plant water Still high. Plant Still off 7:30pm

checked Plant water Still a little high. Should be able to turn Plant on later. 9:00Am

checked and watched plant turned it back on Everything ok 2:20Am

2:35 checked Plant Everything ok 8:35Am Shawn

2/26 CHECKED PLANT LOOKS GOOD. 8:00

5Am 8:27 Checked Plant Emg. Pump ok 5:00

8:35 CHECKED PLANT OK 8:00

3

29[illegible]	3/1/08 Checked Plnt o/c	12[illegible]
25[illegible]	3/2/08 Checked Plnt o/c	
290100	3/3 Checked Plnt o/c	
28[illegible]	3/4 Rain Rain Started Pumping at 3AM	
280900	Shut Blower off 2:40 We have Pump all Day	
279200	at all Lift Stations	
285100	3/5 Checked Plnt [illegible]	8[illegible]
280400	3/6 Checked Plnt and Put Blower in Service	8:30
282600	3/7 Checked Plnt Every thing o/c	
278800	3/8 Checked Plnt Every thing o/c	[illegible]
280500	3/9 Checked Plnt Shut Blower off 3:00 PM	3:00
3[illegible]	3/10 Checked Plnt Test Day	2:30
279900	3/11 Checked Plnt o/c	8:00
279000	3/12 Checked Plnt o/c	
28[illegible]	3/13 Bruce Clean Plnt	7[illegible]
286200	3/14 Checked Plnt o/c	9:00
279100	3/15 Checked Plnt Shut Blower off Rain	
277200	3/16 Blower Stay off	
281200	3/17 Checked Plnt o/c Put Blower in Service	
284100	3/18 Checked Plnt Rain We Setting Pumps Set Op	
	3/19 By Pass with Pumps	
	3/20 By Pass with Pump	
	3/21 Checked Plnt Rain Stay on and Put Blower in Service	
3[illegible]	[illegible] Checked Plnt o/c	9:30
310[illegible]	3/23 Checked Plnt Every thing o/c	8:00

340	3[illegible]00	3/24 Checked Plant o/c	9:00
	279900	3/25 Checked Plant & Clean	7:30
	286200	3/26 Checked Plant o/c	8:30
		3/27 Checked Plant light Rain	8:40
		3/28 Checked Plant Ran Shut Blower off	8:00
		3/29 Put Blower in Service at	1:45
700		3/30 Checked Plant o/c	9:30
1300		3/31 Checked Plant & Clean	8:00
		4/1 Checked Plant had to Shut blower off due to high water	8:45
7400		4/2 Checked Plant We had to Pump	9:30
00		4/3 Checked Plant Pump all night	-
30		4/4 Checked Plant Ice Maker	
800		4/5 Checked Plant Put Blower in Service	11:00
		4/6 Checked Plant o/c	7:00
7200		4/7 Checked plant & Clean	7:45
2700	219700	4/11 Checked Plant everything ok	
	271600	4/12 Checked Plant ok	
	277400	4/13 Checked Plant everything ok	1:15
	274000	4/14 Checked Plant ok	8:00
	277100	4/15 Checked Plant ok.	
	272900	4/16 Checked Plant ok	
	25[illegible]00	4/17 Checked Plant ok	
5mo	27[illegible]00	4/18 Checked Plant ok	
7:3[illegible]	277[illegible]00	4/19 Checked Plant ok	
8700	282300	4/20 Checked Plant ok	
	280900	4/21 Checked Plant ok.	

274500	4/22 Checked Plant ok
271700	4/23 Checked Plant ok
269300	4/24 Checked Plant ok
272700	4/25 Checked Plant ok
281500	4/26 Checked Plant ok
276900	4/27 Checked Plant ok
270100	4/28 Checked Plant ok
271400	4/29 Checked Plant ok
269900	4/30 Checked Plant ok
269600	5/1 Checked Plant ok
272000	5/2 Checked Plant ok - 5/2 Checked Plant again due to rain 9:00Am
280100	5/3 Checked Plant ok
277100	5/4 Checked Plant ok
273900	5/5 Checked Plant ok
271700	5/6 Checked Plant ok
274600	5/7 Checked Plant ok
281300	5/8 Checked Plant ok
279800	5/9 Checked Plant ok
279900	5/10 Checked Plant ok
296100	5/11 Checked Plant had to shut blower off due to rain.
298400	5/12 Checked Plant was able to turn back on
281100	5/13 Checked Plant ok
294900	5/14 Checked Plant had to turn Plant back off 8:19 Am
293100	5/15 Checked Plant. Had to keep Plant off 8:35 Am 5/15 Checked Plant again turned back on 11:27 Am

	5/15	3:30pm Shut Plant back off. Started Pumping at 4pm
	5/16	10:30am Finished Pumping Still cant turn Plant back on
		will Check later. Turned Back on at 9:15 pm
	5/17	Checked Plant ok 272300
	5/18	Checked Plant ok 277700
	5/19	Checked Plant ok 274600
	5/20	Checked Plant ok 278900
	5/21	Checked Plant ok 272600
	5/22	Checked Plant ok 269600
	5/23	Checked Plant ok 271500
1:00pm	5/24	Checked Plant ok 269200
	5/25	Checked Plant ok 270700
	5/26	Checked Plant ok 268900
	5/27	Checked Plant ok 272400
	5/28	Checked Plant ok 274900
	5/29	Checked Plant ok 273100
	5/30	Checked Plant ok 273400
		Plant ok Bruce
		Plant ok Bruce
	6/1	Checked Plant ok 271900
	6/3	Checked Plant ok 278300
	6/4	Checked Plant ok 275300
	6/5	Checked Plant ok 274600
	6/6	Checked Plant ok 271100

6/7	Checked Plant ok	273100
6/8	Checked Plant ok	269800
6/9	Checked Plant ok	271700
6/10	Checked Plant ok	276100
6/11	Checked Plant ok	272200
6/12	Checked Plant ok	274300
6/13	Checked Plant ok	275900
6/16	Checked Plant OK	276400
6/17	Checked Plant ok	277200
6/18	Checked Plant OK	278200
6/19	Checked Plant OK	279700
6/20	Checked Plant OK	281700
6/23	Back from vacation. Checked Plant. Return not working.	278400
6/24	Checked Plant ok	278100
6/25	Checked Plant ok	281900
6/26	Checked Plant ok	276700
6/27	Checked Plant ok	277700
6/28	Checked Plant ok	275300
6/29	Checked Plant ok	272500
6/30	Checked Plant ok	271000
7/1	Checked Plant ok	27700
7/2	Checked Plant ok	272900
7/3	Checked Plant ok	271900
7/4	Checked Plant ok	278400

7/5	Checked Plant ok	281600
7/6	Checked Plant ok	278100
7/7	Checked Plant ok	273300
7/8	Checked Plant ok	275700
7/9	Checked Plant ok	274800
7/10	Checked Plant ok	272200
7/11	Checked Plant Belts Broke on Blower	271400
7/12	Checked Plant ok	279800
7/13	Checked Plant ok	273700
7/14	Checked Plant Changed Chlorine tank	274600
7/15	Chem Plant	275300
7/16	Checked Plant ok	273900
7/17	Checked Plant ok	271400
7/18	Checked Plant ok	269700
19	Car ok	
7/19	Checked Plant ok	272500
7/20	Checked Plant ok	274700
7/21	Checked Plant ok	272300
7/22	Checked Plant ok	269800
7/23	Checked Plant ok	270700
7/24	Checked Plant ok	266100
7/25	Checked Plant ok	266000
7/26	Checked Plant	
7/27	Checked Plant ok	

7/28	Checked Plant ok 266300
7/29	Checked Plant ok 271900
7/30	Checked Plant ok 268100
7/31	checked Plant ok 270400
8/1	Checked Plant ok 267900
8/2	Checked Plant ok 263500
8/3	Checked Plant ok 260100
8/4	checked Plant ok 257700
8/5	Checked Plant ok 270600
8/6	Checked Plant ok 270400
8/7	Checked Plant ok 270100
8/8	Checked & washed down Plant ok 266600
8/9	checked & washed down Plant Exercized equipment. 263400.
8/10	Checked & washed down Plant. Exercized equipment. 260900
8/11	Checked & washed down Plant Exercized equipment. Found one Chlorine tank to be missing. Put Some tablets in trough until new Shipment of tanks arrive. 258200
8/12	Checked & washed down Plant. Chemical resources Delivered our new tanks. I Put one of the tanks in servia. Everything looks ok 258700
8/13	Checked & washed down Plant. Exercized all equipment. everything ok 254900.
8/14	Checked & washed down Plant. Exercized all equipment 255100

8/15	Checked & washed down Plant. Exercized equip 256100
8/17	Checked & washed down Plant. Exercized equip 255700
8/18	Checked & washed Plant. Exercized equ ok 258600
8/19	Checked & washed down Plant. Exercised equip ok 254300
8/20	Checked & washed down Plant. Exercized equip took flow readings to beckmer. 251800
8/21	Checked & washed down Plant. Exercized Equipment. 253600
8/22	Checked & washed down Plat. Exercized Equipment. 257100
8/26	Check Plat
8/26	Checked Plat
8/27	Checked Plat
8/28	Checked Plat Exercized Equip. washed down Plat 256100
8/29	Checked Plant washed down Everything Exercized all equip 256700
8/30	checked Plat ok
8/31	Checked & washed Plat.
9/1	Checked & washed down Plant Exercized Equip
9/2	checked & washed down Plat
9/3	Checked Plat
9/4	Checked & washed Plat Exercized Equip
9/5	Checked Plat. Exercized Equip
9/6	Checked & washed down Plant Exercized Equip
9/7	Checked & washed Plat. Exercized Equip
9/8	Checked Plant Exercized Equip Had to reset Blower 253600
9/9	Checked Plant worked over ac

9/10	Checked Plat Exercized Equip Filled load from Creek
9/11	Checked plat OK
9/12	Check plat OK (815 AM)
9/13	Blower OUT (830 PM) Check Plat OK
9/13	Blower OUT Check plat OK
9/14	Blower OUT check plat OK
9/15	Check plat OK
9/16	Check plat OK
9/17	Checked Plat OK 268600
9/18	Chem plat OK
9/19	chem plat OK
9/20	Checked Plat OK 267600
9/21	Checked Plat OK 271300
9/22	Checked Plat. Exercized Equipment. Washed down Plat. 266900
9/23	Check Plat OK 265300
9/24	Checked Plant Exercized Equip 269400
9/25	Checked Plant Exercized all Equipment 268100
9/26	Checked Plant 272200
9/27	Checked Plant Exercized Equip 283700
9/28	Checked Plant 277800
9/29	Checked Plant Exercized Equipment washed down Plant 27
9/30	Checked + washed down Plant Exercized Equipment 268500
10/1	Checked Plant washed down Plant Exercized all Equip 270

	10/2	Checked Plant Exercised All Equip Everything ok 266600
	10/3	Checked Plant washed down Plant Exercised All Equip 266
	10/4	Checked Plant Exercised all Equip
K	10/5	Checked Plant washed down plant Exercised Equip 26810
K	10/6	Check Plant Exercised Equip All ok 270700
	10/7	check Plant Exercised Equip ok 269900
	10/8	Checked & washed down Plant Exercised Equip 274600
	10/9	Checked & washed down Plant. Exercised Equip ok 2714
	10/10	C.P. O/K
	10/11	C.P. O/K
	10/15	Checked Plant Cleaned up Plant Exercised all Equip 267300
266900	10/14	Checked Plant washed down Plant. Exercised Equip ordered belts for Blower/Pumps. tightened Belts on #2 Pump 274100
	10/17	Checked Plant Exercised Equip ok
	10/18	Checked Plant ok
	10/19	Checked Plant ok
	10/20	Check Plant exercised Equip ok
	10/21	Checked Plant Exercised Equip ok
271400	10/22	Checked & washed Plant. Exercised Equip ok
500	10/23	checked & washed Plant Exercised Equip ok
270700	10/24	Check Plant ok
	10/25	Checked Plant ok

10/26	Checked Plant ok
10/27	Checked Plant Aeration transfer line is stopped up. Got sludge in creek. Called in a backhoe. Okalona Cleaning Creek. Joe Mowhay Clean Hamster Pike.
10/28	Checked Plant. Exercized Equip ok
10/29	Checked Plant Exercized Equip. cleaned more rags off Plant Everything ok.
10/31	Checked Plant. Changed Cl2 Stayed with Okalona while they Rodded Creek.
11/1	Checked & washed down Plant. Pulled more rags out
11/2	Checked & washed Plant
11/3	Checked Plant Exercized Equip.
11/3	Check Plant OK
11/4	Check Plant ok
11/5	Checked Plant Exercized Equip. ordered more chlorine Adjusted Chlorine feed. washed down Plant.
11/6	Checked & washed Plant. Exercized Equip ok
11/7	Checked Plant Exercized Equip washed down
11/8	Checked Plant Exercized all Equip
11/9	Checked & washed down Plant Exercize Equip
11/10	Checked Plant. Return Stopped up. Had to shut down blower & clean rags.

11/11	Checked & washed Plant Everything ok
11/12	Checked & washed down Plant Return was stopped up again. Shut blower down Pulled rags out from Return. washed out through really good. Exercized Equip. Got Everything working good again.
11/13	Transfer line stopped up again. Joe Murphys guys Fixed that. Carly turned blower off. I turned back on when I got here. There are alot of rags that need to be Cleaned from Plant. That happened to the last Castle days. Cleaned Plant down really well. will Clean alot tomorrow too.
11/14	Checked + washed down Plant really well. Exercized all Equip. Everything ok
11/15	checked Plant Exercized Equip
11/16	Check Plant. wash down Exercised Equip
11/17	Check Plant
11/18	Checked Plant. turned up Chlorine Exercized Equip.
11/19	Checked Plant ok
11/20	checked + washed Plant Exercized Equip Cleaned up Rags
11/21	Checked & washed Plant Exercized Equip.
11/22	Check Plant. Exercized Equip All ok
11/23	Checked & washed Plant. Exercized Equip All ok
11/24	Checked + washed down Plant. Exercized All Equip ok

11/25 Checked & washed Plant Exercize Equip 272.408

11/26 Checked & washed down Plant Exercized All Equip 268900

11/29 Checked Plant washed down Exercized Equip 272 bbls

11/29 Next Plant Exercized Equip washed down 274100

11/30 Checked & washed Plant. Exercized Equip ok 279300

12/1 Started Plant Exercized Equip ok 281600

12/2 Checked Plant Exercized Equip cleaned Chlorinator out

ok ok

12/3 Checked Plant Exercized Equipment Transfer Pipe was stopped up again I got it cleaned out and working again. It brought some sludge to the top but I didnt see any in the creek I got all that to settle again.

All Equipment ok.

12/4 Checked Plant Exercized Equip Rotation was higher than usual but transfer pipe wasnt stopped up there was a little pin floc so I shut blower down for a while will turn back on this evening.

12/5 Checked Plant Exercized Equip. Something Bent the collector Arm. I used to use torches to heat it up and bend it back

12/6 Checked & washed Plant ok

12/7 Checked & washed Plant Exercized Equip ok

12/8	Checked Plant. Blower was kicked. Reset and got working. Exercized Equip washed down 276800
12/9	Checked Plant Exercized All Equip have steady heavy rain. watching Plant to make sure I dont need to Set up gas pump. All Equip ok.
12/10	Blower still off due to rain
12/11	Checked & washed Plant Exercized Equip. turned Blower Back on
12/12	Checked & washed down Plant. Exercized All Equip Blower was kicked when I got here. made some Air adjustments to see if that would help the Problem.
12/13	Checked & washed Plant Blower still ok. Exercized Equip. 270400
12/14	Checked Plant. Aeration level high but transfer line not 273400 Stalled up. Exercized Equip. Blower still ok. Plant clearing ok. 271800
12/15	Check & wash Plant. Exercize Equip All ok. 271200
12/16	Checked & washed Plant. Exercized Equip. All ok 273100
12/17	Checked Plant. Belts Broke on Blower. Turned on back up Blower and going to get belts. It happened just before I got here because the motor was still spinning. Everything else ok. 274800
12/18	Checked Plant. Exercized Equip Unable to pick up belts

12/19 Checked Plant. Exercized Equip Got Belts from Store. Adjusted Air drafts some more. washed down Plant Hr ot 269900

12/22 Checked O.K. Blower out

Blower was out

12/23 Checked Plat Reset - Blower OK

12/23 main Blower locked up. Threw the belts Again Started Backup blower. Had problems with it but its good now. Checked plant at 27X350

12/24 Shut down plant Pumped at Both Stations and here until 3:30 Am of 12/25. ADT Call at 5:30 Am on 12/25 From ADT

12/26 Checked Plant Adjusted Air Blower Still ok Exercized Equipment. Aration Still kind of dark from having blower Shut down due to heavy rain Bad roof leak

12/27 Check Plant Exercized Equip ok

12/28 Checked Plant. Exercized All Equipment. Adjusted skimmer Air Pulled Clear water From digester and wasted - Effluent is Clear.

12/29 Checked + washed Plant All Equip ok Plant looking Good. Effluent is Clear

12/30 Checked Plant Exercised All Equip. Plant looks really
25,6100 good washed down All ok Turned up Chlorine a little

12/31 Checke plant OK

1.1 89 Checke plant OK

1.2 94 Checke Plant Looks OK

1/3 Check & wash Plant ok

1/4 Check Plant Exercized Equip All ok

1/5 Checked & washed down Plant Exercized Equip Changed Cl2
tank Plant looks good Clear Eff

1/6 Checked Plant Found Collector motor to be burnt up.
It Popped a fuse in the Panel. There is more
than likely something in the bottom of the Clarifier
need to Get a new motor for the Collector.
There may be Something Just holding it in the
bottom.

1/7 Check Plant work on Everything

1/8 Check Plant down ok

1/9 Check Plant

1/10 Check Plant.

1/11 Check Plant

1/12 Checked & worked Plant Exercised Eq.s

1/13 Checked Plant

1/14 Check & wash Plant

1/15 Check Plant. Rewired & worked on rivers/collector

1/16 Check Plant Exercised Eq.s.

1/17 Check Plant

1/18 Checked Plant. Exercised Eq.s.

ctor

Checked plat ok

pump out & pump ok

Checked plat ok

1/21 Checked Plant. Exercised All Equip. All ok.

1/22 Check Plant Exercise Equip ok

1/23 Check Plant ok

1/24 Checked Plant. Exercised Equip ok

1/25 Check Plant ok

1/26 Check Plant ok

1/27 No Shows Due to weather

1/28 Check Plant found Blower Motor to be burnt. A lot of Breakers kicked due to weather. Reset Pumps

1/29 Check Plant. Exercised Pumps. Derby City coming to Pull blower motor

1/30 Check Plant ok

2/10 Check Plant OK T-F

2/11 Check Plant OK T-F

2/13 CHECKED PLANT BLOWER OUT
#2 PUMP OUT 24100

2/14 Check Plant Reset Blower 270

2/15 Check Plant Received Eq'l ok 276300

2/16 Check Plant Tightened Connections on Breaker for Blower. All ole 274200

2/17 Check Plant. Picked up Gas Pump from Sam Durbin. Exercised All Equipment. Blower Still Running fine. All ole 270700

Plotted log Book in water. Some entries Bled out.

270 10

2/17 Dropped log Boom in water. Starting new Rope here.

2/19 Check Plant Exercised Equip ok 276300

2/20 Checked & washed Plant ok 274100

2/21 Chec Plant Exercised Equ ok 270900

2/22 Check Plant Exercised Equip. wash down ok 273200

2/28 check Plant wash down ok 269800

3/4 Check Plant ok 267200

3/5 Check Plant ok 270500

3/6 Check Plant Exercised Equip ok 272600

3/7 Check Plant wash down Exercised Equip 275400

3/8 Check Plant ok 271700

3/11 Check Plant Exercised Equip ok 277200

3/12 Check Plant Exercised Equip 270200

3/13 Checked Plant 266400

3/14 Check Plant Blower belts broke. replaced 263100
and Put in service. Exercised Equip ok.

3/15 Check Plant Exercised Equip ok 267600

3/18 Check Plant ok 266200

3/19 Check Plant ok 270300

3/20 Checked treatment Plant. Belts Broken again
Replaced and Put Blower back in service
Everything Else ok 269900

3/9 Checked Plant Exercised All Equip OK 206900

3/10 Checked Plant found collector motor bad from a wire burnt in half. Pulled motor. Return stopped up while we were here. Pulled it apart and fixed it. Pumped from Contact tank to digester we used the two inch gas pump for that. Shut Plant down until we could get new motor installed on Collector. 269100

3/11 Installed new motor on mechanical Collector. Also installed new wiring "whip" for the Collector. Put Plant back in Service Plant tried to turn upside down. Washed it down and got most of it to settle. All other equip working OK 278400

3/12 Checked Plant. Broke up some sludge around weir that rose to the top.

3/13 Checked Plant. Broke up a little more sludge that came to the top Everything working good Plant starting to come back around.

3/14 Checked Plant washed down Effluent still a little Cloudy But better

3/15 Checked Plant. looking much better. Washed down Exercised All Equip.

3/16 Check Plant. Shut blower down. Effluent looks cloudy. Plant does not look like it did yesterday. will turn back on shortly.

3/17	Checked Plant. looking better
3/18	Check Plant starting to look good Eff is clear.
3/19	Check plant looks good
3/20	Check Plant ok
3/21	Check Plant ok
3/22	Checked Plant. found transfer line started up. Creek looks bad Aeration ass spilling into Contact tank. Having Joe Murphey come Ayer the line. will have Creek cleaned ASAP. Someone dumped in lift St at Plant.
3/23	met with Okolona Septic to come clean Creek. left Bruce here with them. Plant is looking better now. Eff is still a little Cloudy.
3/24	Check Plant. Eff is getting more clear. Creek looks better. Okolona will come back to touch up a few spots.
3/25	Check Plant ok Okolona has not come back due to rain
3/26	Check Plant ok
3/27	Checked Plant. Everything looking much better.

3/28	Check Plant ok
3/29	Checked Plant Exercised Eqvt ok
3/30	Checked Plant Exercised All Eqvt Plant looking Much better.
3/31	Checked Plant. Exercised All Eqvt Everything ok.
4/1	Checked Plant. Belts Broke on blower. replaced All ok.
4/2	Check plant ok
4/3	Checked Plant Exercised Eqvt ok
4/4	Check Plant changed one blower belt Everything else ok
4/5	Check Plant Exercised All Eqvt Plant ok
4/6	Check & wash Plant All Eqvt ok
4/7	Checked Plant Exercised Eqvt All ok
4/8	Check Plant Exercised All Eqvt ok
4/9	Checked Plant ok
4/10	Check Plant lots of rain Everything ok right now will be back later to check again
4/10	Came back to Check Plant again Everything Still Heating ok. Still alot of rain All ok for now

4/11 Checked Plant Exercized Equipment. Everything looking better. All ok

4/12 Checked Plant. Blower has thrown belts again. Dont have any Spare will Pick some up in morning.

4/13 Checked treatment Plant. Put new belts on blower and got it back in service. Everything working good.

4/14 Checked Plant & Sts. Exercized All Equipment. Everything looking good. Washed down Plant.

4/15 Checked & washed down Plant. Exercized All Equipment. Belts Broke on blower again. Made a lot of Adjustments and Put new belts on. Everything ok now.

4/16 Checked Plant. Exercized All Equipment Charged Cl_2 tank. Chemical resources Should be delivering some more in the next day or so

4/17 Larry [illegible] saying the effluent was dark.
12:36 pm Brad Tuttle is the one who told him that.
I got here and found the effluent to
be very clear. I took pictures to Prove
that. Creek has some silt in it but
no sludge that I have found yet.
If I do find some I will let larry
know and then get Okolona Septic to
come and sweep the Creek.

4/18 Checked treatment Plant Exercised All Equip.
Everything is still looking good. Effluent is
still clear.

4/19 Heavy Rain. Shut Plant down at 5:59
PM. Creek is way up. Will Probably need
to set up gas Pump in a little bit.
Right now the Pumps are keeping up.
Aeration level is very high. Will be
keeping a close eye on it to make
Sure it is not spilling over into the
Contact tank.

4/19 Aeration Tanks is flooding into
The Contact tank. 8:12 PM

4/20 Still Pumping at 2in:2 and 4Hz from heavy rain. Will be able to turn Plant back on After while.

4/20 Turn Plant on 4:15pm All ok

4/21 Checked Plant & Sts Exercised All Equipment everything working Properly Effluent is just a little cloudy Still but not very bad.

4/22 Checked & washed down Plant. Exercised All Equipment. Everything is still working fine. Effluent is very Clear

4/23 Checked Plant Exercised All Equ Everything of Eff is Clear

4/24 Checked Plant Belts Broken on blower. Effluent is still Clear. Replaced Belts All working ok-new.

4/26 Checked Plant: Blower Belts Broken. Put set on

4/27	Checked treatment Plant. Found Problem with the Chlorinator. Also found Belts Broken on Blower. Put last set on. Going to General Rubber to get more. Turned Chlorinator way up to get a good Chlorine feed. Effluent is a little Cloudy.
4/28	Checked treatment Plant. Exercised all Equip. Blower still running fine. Aeration is still dark. Effluent is clear. All other Equip ok.
4/29	checked plant. Everything OK
4/30	Checked treatment Plant Exercised all Equipment. washed down Plant. Everything working ok. Effluent is clear.
5/1	Checked & washed Down Plant. Exercised all Equip Everything still working ok Effluent is Clear.
5/2	Checked Plant Exercised Equip All ok
5/3	Checked & washed Plant. Exercised Equip Everything ok

5/4 Checked & washed down Plant.
Cleaned some rags from the Aeration
Exercised All Equip. Everything is ok
Effluent is clear.

5/5 Checked & washed down Plant.
Exercised All Equipment. Everything
looking good. Effluent is clear

5/6 Checked treatment Plant.
Exercised All Equipment.
washed down Plant. Pulled
Rags from Bar Screen and
Aeration tank. Everything ok
Effluent is clear.

5/7 Checked Plant. Exercised All Equipment.
Pulled Rags from Bar Screen and
Aeration tanks. Everything is still
looking ok. Blower still running fine.

5/8 Checked Plant. Pulled more rags from Bar screen and Aeration. Also Installed new Blower. Waiting on a few parts so I can Put that blower back in service.

5/4 Shut Blower Down due to heavy rain 5:15 Pm

5/9 Turned Blower Back on Checked Plant Exercised all Other Equip all ok now. 6:17 Am

5/10 Checked treatment Plant. Exercised all Equipment Pulled more rags from Aeration until my hook Broke. All Equip ok

5/11 Checked treatment Plant. Exercised all Equipment. Aeration still a little dark. It is Coming around though. Effluent still ok. All other Equip ok.

5/12 Checked treatment Plant. Exercised all Equipment. Everything ok

5/13 Installed new Pulleys on Both Blowers. The new Blower is making an awful Sound. Its Pulling between 74 & 78 Amp. It is only rated for 40. The other blower is doing fine only Pulling 68-72 Amps. Plant is looking good. Effluent is really clearing up.

Last entry

5/10 Mike Schneider to check on ops Workload D.O.'s Low - Due to Blower out - NEW one coming Soon Workload dept. SOP Reviewed - OK

5/13 DO ele[illegible] x Res. 30 Days

Centrifuge [illegible]

I will set up Test Friday Everything OK Started to Decant Decanter Stalled with Motor Current Light on 18

cont'd

5/13 Flow Totalizer 51875.75

w/ IC set with Stevens on duct + Backup pitot

DOG = 1 FT Duct 5 to 6 Diam

5/14 Checked Plant & Equipment. Checked New blower oil level 3 times. oil is fine. Started taking everything apart so I can take new blower back to Republic Pneumatic. All other equip OK.

5/15 Pulled new Aeration Blower to take back to Republic Pneumatic. Plant looking better.

5/15 STORMED LIKE CRAZY - Aeration Basin High (Covery) DO's .50 highest Clarifier DOG 8 FT Dark 4 FT Light

SEPT TEST (260 | 5 min | 250

200 | 30 min | 200

AS SOAKED Possible Blockage - Shaun to check + get back with me

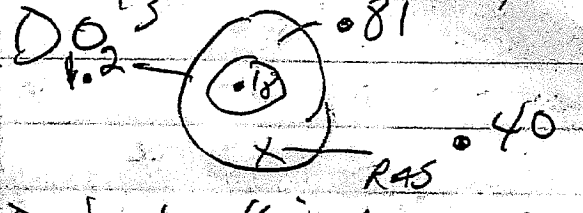
Everything ELSE OK CO_2 - 10 ppm

SO_2 - 4 ppm Flow Reading @ 1930 HRS

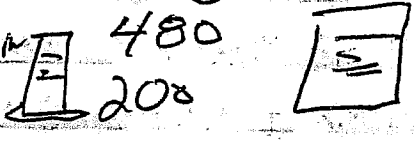
51911.30 TOTALIZER

Sunny

70° Monday 5/18



DO's Looking BETTER



DOB = 2 FT DARK 4 FT Light Looks Good
Clarifier Looks Good
SO_2 = 4 CL = 10
Considering everything good
Setting on CL + SO_2
Blower OK
Pumps OK

Flow Totalizer 51974.60

Larry Little help on Flow
Meter totalizing - call me
when you can - I got flow
but can also go back and totalize
Walkabout - Everything seems ok
grab centrifuge Wednesday
Sett test - No washing needed
unless directed otherwise (Larry)

P.S. - NEED SCREEN ~~KAKE~~ - And bucket
NEEDS Emptied - I can't bad back - but I
will take care of in future - shawn IF
You could DRILL some drain hole in
bucket And Empty this time - and I'll take
care of it - it's just do heavy for me Now
But I Know Your big STRONG butt can do it!! :)
AS

Thanks MIKE
LARRY call me when you get a chance
mgs.
PLC looks Good! (NEED blower D/S

5/19 Installed new Blower. Need more o-i
before I can Put it in service.
will be bringing my drill back and drilling
the holes in the bucket and Emptying
it tomorrow.

5/20 Wednesday Sunny 78°
DO's on LOW SIDE - CHECK SHEET IN DRAWER
Flow 520 141.10
SO_2 4 PPM - Changed Cl_2 Cylinder SET
10 PPM - DEMAND is up - 10 PPM Due to Demand
ALSO

5/20 cont Weds day Sunny 78°

Flow [redacted] stabilizer

Shawn Give me a call when you can

DOB Looks good 1 Ft 6 inches dark

4 Ft light — Rest clear

Plant in good shape —

Larry

* Important Note tell Cl_2 + SO_2 man to give us a set of about

20 or 50 Lead washers for cylinders

If he won't give them we can get

Both Elsewhere the mfg

Call me? If needed.

Also NEED Little bottle of NH_3 to test

For leaks / Cl_2 a Batch to change

Rotometer is OK See sheet —

Sett tests

360 5 min 320

280 30 min 240

OK [redacted] on Sett

B°

5/21 Checked Plant. Talked to Mike. Turned Both Blowers on hand Control.

ck

FRIDAY Survey 85°

DO3'@ 1'6" DARK 6" Light

Checked plant OK

DO's low but should come around

ges clarifier Looks Good

T Flow = 5054.10

Total =

Sett test

370 | 5min | 350

300 | 30 | 290

rest

Need to get -

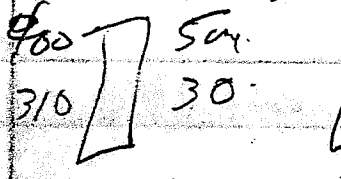
SO_2 @ 4 Cl_2 10 OK MB

5/24 Checked Plant; Reset pump

5/25 Checked Plant Checked pump OK

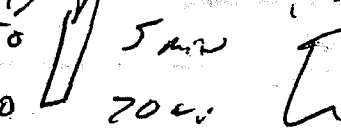
5/26 Checked Plant OK

5/27 Ct. Raw + 2 ord Flow 51765.40
Blower O/S? Low Reset.



DO's - 4' Dark 2' Light
DO's Low Range
Can't get Blower #1
ON - Need to get
Ahold of Larry or Shawn
Call me guys? Thx Mike

5/29 Checked plot OK
Flow 52189.60
5/30 Blower is O/S - or I need
to get help to turn ON - I'll
try Shawn.
DO's Low, But Clarifier OK



SO_2 & Cl_2 - Feed OK
Shawn OR Larry
Give me a Call Bout Blower
Walkabout Dr

6/3d Checked Rake OK

6/3 Checked treatment Plant & Lift Stations. Exercised All Equipment Everything is looking good. Put New Blower and Pit back in Service. Just got back from Vacation

6/4 Checked Plant & Stations Exercised All Equipment. Everything working OK

6/5 Checked & washed down Plant Exercised All Equipment Plant looking good. All Equip OK

6/6 Checked & washed Plant OK

6/7 Checked Plant Exercised Equip OK

6/8 Checked & washed down Plant. Exercised All Equip. Pulled rags from Aeration & Bar Screen. Charged Cl2 tanks

6/9	Checked & washed down Plant etc
6/10	Check Plant Exercised Equip ok
6/11	Checked & hosed Plant Exercised Equip
6/12	Check Plant ok
6/13	Checked Plant. Exercised All Equipment. Check Stations ok
6/14	Check & wash down Plant. Exercised Equip ok
6/15	Check Plant ok
6/16	Check & washed Plant Check Stations ok
6/17	Check Plant Exercised Equip ok
6/19	Checked Plant All ok
6/19	Check & wash Plant Exercised Equip All ok
6/22	Turned Blower off while I was here Changed Cl2 tank for John Hamilton so he could test. Turned Plant back on Before I left.
6/23	Checked Plant. Found Blower kicked and Sheve off other Blower. Blower kicked due to bad Breaker. Had to wire Direct Found Sheave off due to broken bushing on motor. Plant looking ok Effluent

6/24 Checked Plant Exercised All Equipment Picking up new 100A Breaker for Blower. Bruce is Picking up new Sheive and Bushing for blower Motor.

6/25 unable to get new Breaker. Blower is still wired up direct. All ok Plant is looking very good. Effluent is clear.

6/26 Checked & washed down Plant Exercised Equip Everything ok. Effluent is Clear. Pulled some bags from Aeration tank and Bar Screen

6/27 Checked & washed down Plant Everything still looking good. Effluent is clear.

6/28 Checked Plant Exercised Equipment All ok Effluent is Clear.

6/29 Checked & washed down Plant.
Exercized All Equipment. Everything
looking good. Talked to John Hamilton
Everything looks good to him Also

6/30 Checked Plant Exercized Eqv.P All ok

7/1 Checked & washed down Plant. Exercized
All Eqv.P. Still waiting to get new
Breaker for Blower. Everything looking
good.

7/1 Checked Plant Exercized All Eqv.P
All ok.

7/2 Checked & washed down Plant Exercized All
Equipment moved some things from building
to trailer. Pulled rags from Bar Screen.

7/3 Checked & washed down Plant
Exercized All Eqv.P All ok

7/4	Checked Plant Exercised Equip ok
7/5	Check Plant Exercised All Equipment ok
7/6	Checked Plant. Washed down. Changed Cl2 tank. Set up okolona Septic to Come Clean out Contact tank. Plant looking good.
7/7	Checked & washed down Plant. okolona Septic will be here later to Pump out Contact tank Everything is ok Effluent is Clear
7/8	Checked & washed down Plant Exercised All Equip All ok
7/9	Checked Plant Pulled some rags from Bar screen and Aeration. All ok
7/10	Checked & washed down Plant. Exercised All Equip Plant looks good. Effluent is Clear.
7/11	Checked & washed Plant All Equip ok
7/12	Check Plant Found Air release Valve Almost all the way off in the building. Put it Back on. Effluent kinda cloudy. not Bad though

7/13 Checked & washed down Plant
Effluent is [redacted] looking better
Since the air leak is stopped.
Exercised All Equ.P. All ok

7/14 Checked Plant. Talked to John
Hamilton. Plant passed with flying
colors. Everything ok

7/15 Checked & hosed down Plant
Exercised All Equ.P All ok

7/16 Checked Plant Exercised Equ.P.
left Shaw here to clean out
trailer so we could load welding
trailer on it and get it repaired.

7/17 Checked Plant Exercised All Equ.P.
Everything ok. Hosed down Plant
Effluent is clear

7/18 Checked Plant Exercised Equ.P. All
ok Effluent is Clear

7/19 Checked Plant. Exercised Equip. Pulled a few rags from Aeration tank and Bar Screen. Effluent is Clear.

7/20 Checked treatment Plant. Found Air release valve Broken and out of the air line. No Air was getting to the Plant. Effluent is Still Mostly Clear but Starting to turn grey Made temporary repair to air line. Will make Permenant repair when new parts are here.

7/21 Checked Plant. Exercised all Equip Everything Still ok Effluent Clear

7/22 Checked Plant. Shut Plant Down Due to heavy rain. Started flooding Some. Shut down at 3pm Set VF Hash Pumps at 44Z

7/23 Checked Plant Still unable to turn blower back on All other Equip ok

7/24	Checked treatment plant. Exercised All Equip. Put blower back in Service at 4 pm. Plant is doing ok Effluent is Grey
7/26	Checked plant. Effluent is somewhat cloudy. Exercised All Equip. Changed Cl_2 tank. All Equipment Still operating ok
7/27	Checked + washed down Plant Exercised All Equipment. Everything working ok.
7/28	Checked Plant Exercised Equip All ok
7/29	Checked + washed down plant Exercised Equip All ok

7/30	Checked Plant washed down Exercised Eq.P AM dr
7/31	Checked Plant Aeration level is up Some but not Creating Problems. Effluent is very Clear
8/1	Checked Plant Exercised Eq.P AM dt
8/2	checked Plant Exercised AM Eq.P AM dt
8/3	Checked & washed down plant Exercised Equipment. Everything looking good. Effluent is clear.
8/4	Shut Plant down 10:00 AM due to Very heavy rain.
8/5	Checked Plant. Exercised Pumps. Still Cant turn Blower on
8/6	Finally able to turn Plant on. 10:45 AM Exercised All Equipment. Washed down AM dt

8/7	Checked & washed down Plant Exercised Equip All ok
8/8	Checked Plant. Exercised Equip
8/9	Checked Plant. Exercised All Equip ok
8/10	Checked Plant. New Door on Chlorine room installed. Plant looking Good Exercised All Equip. washed down Effluent is clear.
8/11	Checked & washed down Plant Exercised All Equipment. Everything looking ok. Effluent is clear.
8/12	Checked & washed down Plant Exercised All Equip. All ok Effluent is clear.

8/13 Checked & hosed down Plant Exercised All Eqv.P All ok

8/14 Checked Plant & stations - Exercised All Eqv.P Found Sole Primer # 2 kicked on overload. Reset it. Its working fine and looked fine. May have just bounced the float and made it kick

8/15 Checked & washed Plant Exercised Eqv.P All ok

8/16 Checked Plant Exercised Eqv.Pment All ok

8/17 Checked & washed down Plant Exercised All Eqv.Pment. Everything ok. Plant is looking very good. Effluent is very clear.

8/18 Checked Plant Exercised Blower. Expecting rain today. Exercised Pumps. May have to set of gas Pumps later. All ok for now

8/19 Checked & washed down Plant
Exercised All Equipment Plant looks
Good All ok

8/20 Checked Plant washed down Exercised All
Equipment Plant looks Good Effluent is
Clear All ok

8/21 Checked & hosed Plant.
Exercised Equip. Plant looks
Good Effluent Clear

8/22 Checked Plant. Exercised Equip
All Still ok. Plant looks Good

8/23 Check Plant & Stations
Exercised Equip All ok

8/24 checked & washed down Plant.
Exercised All Equip. Pulled Rags
from Aeration. Effluent is
Clear. All ok

8/25 Checked Plant Exercised All Eqv.P Plant looks Good. Cleaned out overflow trough with Chlorine granuals Effluent is clear

8/24 Checked & hosed down Plant Exercised All Eqv.Pmt. All ok. Effluent clear

8/22 Checked Plant & Stations Exercised All Equipment All Ok Effluent clear

8/28 Checked Plant Adjusted Cla Exercised All Eqv.P. Effluent is clear

8/29 Checked & hosed Plant Exercised Equipment All working ok Plant ok

8/30 Checked Plant Exercised Eqv.P. Everything looks good. Effluent Clear All Eqv.P ok

8/31 Checked & hosed Plant Exercised All Eqv.P Everything ok. Effluent is clear All AV to A few of the Aircraft.

9/1	Checked Plant. Took 1 Cl. Cylinder to Oldham, weeds ordered new tanks. Plant still looks good. Effluent clear.
9/2	Checked Plant. Exercised Equip. washed down all dc.
9/3	Checked Plant. Exercised All Equip. Checked stations. Everything dc.
9/4	Checked & washed Plant. Exercised All Equipment Checked stations All dc Effluent is Clear
9/5	Checked Plant Exercised Equip All dc
9/6	Checked Plant Exercised Equip All dc
9/7	Checked Plant Checked Equip dc

9/8	Checked Plant Exercized All Equ. Plant looking good. John Hamilton Said Everything looked good. Effluent is clear. All Equ. ok
9/9	Checked Plant Exercised All Equ Everything is Still ok Plant looks good Effluent Clear
9/10	Checked Plant Exercised All Equ Adjusted Skimmer Arm Everything ok
9/11	Checked & hosed down Plant Exercised All Equ Plant looking good Effluent is clear.
9/12	Checked Plant Exercised Equ ok
9/13	Checked Plant Exercised Equ ok

9/14 Checked Plant Exercised All Equip
washed down Plant Cleaned
Blower filters All Equip ok
Plant looks good. Effluent
is Clear.

9/15 Checked + washed down Plant Exercised
All Equipment Plant looks good
Effluent is Clear. Adjusted Chlorine
feed

9/16 Checked Plant + SS's Exercised All
Equipment Plant looks good
Effluent is very clear.

9/17 Checked + hosed down Plant.
Cleaned overflow trough with
WTH Plant ok All Equip ok

9/18 Checked Plant found Belts Burnt off
Blower. Need more B74 Belts (4)
Put Spare belts on Exercised Equip
Effluent is a little cloudy.

9/19 Checked & hosed down Plant
Exercised All Equip
Effluent Clear

9/20 Checked Plant & stations. will
check a few more times today
due to Rain.

9/21 * Shut Blower down 11:15am
Set up gas pump at station
at Plant at 3:45pm *

9/21 Still unable to turn Blower on
3pm

9/22 Turned Plant back on washed
down. Cleaned up Plant
changed Belts on Blower
Checked Plant & Hosed
9/23 down everything Effluent
is coming back around

9/24 Checked Plant Exercised All Equipment
Heavy Shave Pull rags from Aeration
that came to the surface from
All the rain. Plant looks Great
Effluent is very Clear.

9/25 Checked Plant Exercised All Equipment
washed down Plant looks Great
Effluent is Clear.

9/26 Checked Plant Exercised Equip All ok

9/27 Checked Plant Exercised All Equip ok

9/28 Checked & hosed down Plant Exercised
All Equipment Everything looks good.
Pulled Debris from Bar screen. All ok
Effluent is Clear

9/29 Checked & washed down Plant Exercised
All Equipment Everything looks good
Effluent is Clear

9/30 Checked & hosed down Plant Exercised
All Equip All ok

10/1 Checked Plant pulled rags from Bar screen
Exercised All Equip All working ok.
hosed down Some Fat ups in clarifier
All Else ok

10/2 Checked Plant. Exercised Equip Shut Blower down heavy flow from rain

10/3 Check Plant Exercised Equip Still not able to turn Plant back on

10/4 Checked plant Exercised Equip turned blower on 11:41 am All Equip ok Charged Cl2 tank

10/5 Checked treatment Plant Exercised All Equip All ok. Plant looks Good Effluent very Clear Having Shore Head w/ Plack

10/6	Checked & washed down treatment plant Exercised All Equ. Feed Belts on Blower Burnt Replaced them and got back in Service. Plant Still looks good Effluent Clear.
10/7	Checked & washed down treatment plant Exercised All Equipment Cleaned overflow trough with a little H.H. All Equipment Still Operation ok Plant looks good. Effluent is Clear.
10/8	Checked Plant Exercised All Equ plant looks good. washed down All ok Effluent clear
10/9	Checked Plant Shut Blower down 8:07 am May get to turn back on later this evening.

10/10	Check Plant All Equip ok Flow still very high.
10/11	Checked Plant Flow still too high to turn Plant Back on All Equip ok
10/12	Checked treatment Plant. Exercised All Equip. Washed down Turned Plant Back on. All Ok.
10/13	Check Plant Exercised Equip Aeration level is up. Turned off Plant for a while
10/14	checked Plant Exercised All Equip All ok. Gate was open for Some reson today.
10/15	Checked Plant Exercised all Equip All ok. Plant looks good. Effluent Clear.

10/16	Checked & Washed down Plant Exercised All Equipment All ok Effluent Clear
10/17	Checked Plant Exercised Equip ok
10/18	Checked Plant Exercised All Equip All ok
10/19	Checked + washed down Plant Exercised All Equipment Changed Cl2 tank to a new on. All ok Effluent Clear.
10/20	Checked Plant Exercised All Equip. All ok Pulled rags from Barscreen. Plant still looks Good. Effluent Clear.
10/21	Checked + hosed down Plant Exercised All Equipment found Blower kicked on overload Reset it and got blower working. Effluent is still Clear Plant still ok. All other Equip ok.

10/22	Checked Plant Exercised All Equip All ok. Effluent clear
10/23	Checked Plant Shut Blower down for a while. Flow is up due to heavy rain. The Effluent is still clear but I can see the Sludge blanket starting to rise. I will be back later on to see if I can turn on. Turned on 1hr later
10/24	Checked Plant Exercised Equip All ok
10/25	Checked Plant Exercised All Equip All ok
10/26	Checked Plant. Found Blower Kicked on overload. overload is going bad. wired the other blower up and turned Plant back on. Effluent is slightly Cloudy.

10/27	Checked treatment Plant Exercized All Equipment. All ok There is Rain but the Plant is Handling it ok. Effluent Clear.
10/28	Checked Plant Exercized All Equip All ok
10/29	Checked & washed down Plant Exercized All Equip. Turned Chlorinator up to be sure to get a good trill for the Sample.
10/30	Checked + washed down Plant Exercized All Equip All ok
10/30	11:45am Checked Plant All still ok Rain hasn't effected Plant yet
10/31	2:30pm Shut Plant down due to High flow from rain.

11-1 Checked Plant. Exercised All Equip Turned Plant back on ... 4:05 pm

11-2 Checked & washed down Plant Exercised All Equipment. Pulled Rags from Bar Screen. Plant Still murky from having blower off

11-3 Checked & hosed down Plant Exercised All Equip. Plant Still Murky. Beckman will be testing Thursday. Plant Should be ok by then. All Equip ok. Still need to get overload for #1 Blower. Changed Cl2 tank

11-4 Checked Plant Exercised Equip. Plant is Comply aerated Effluent Pretty Clear.

11-5	Checked & hosed down Plant Exercised All Equ. Plant is looking much better. Effluent is Clear
11-6	Checked Plant Exercised All Equ Washed down All ok
11-7	Checked Plant Exercised All Equipment Plant looks good All ok
11-8	Checked Plant Exercised Equ Effluent Clear All ok
11-9	Checked & hosed down Plant. Exercised All Equipment. Plant looks good. Adjusted Cl2 level. All ok. Effluent is very Clear.
11-10	Checked plant. Hosed down Exercised All Equipment. All ok. Effluent is Clear

11-11-09 Checked Plant found Belts
Burnt off Blower started up
other Blower. Need to get some
more belts. Also found SO2
feed line Broken fixed that
All ok Effluent is Clear.

11-12 Checked & hosed down Plant
Exercised All Equip All ok
Blower still ok for now
Effluent is Clear

11-13 Checked Plant Exercised Equip
hosed down Plant All ok
Effluent is clear

11-14 Checked Plant Blower was
kicked. Reset All ok
As of now

11-15 Checked Plant found Blower
kicked again switched Belts
to other blower. Had to do
Alot of adjusting but they worked

11-15 was able to get other Blower back in service. Changed SO2 tank. Effluent still mostly clear.

11-16 Checked & hosed down plant Exercised All Equip. Blower still ok. Plant is looking ok. D.O.'s and PH levels are good. Had to adjust Chlorine feed. Some more. Still had a 2.1 residual. All ok. Effluent is clear.

11-17 Checked Plant Exercised All Equip. Pulled debris from bar screen. All ok. Plant still looks good.

-18 Checked treatment Plant Exercised All Equipment hosed down Plant. Adjusted Chlorine feed. All ok. Effluent is clear.

11-20-09
Checked treatment
Plant exercised all
equipment. Hosed down
Plant. All is Lookin
good.

11-21-09
Checked treatment Plant
exercised all equip
Hosed down Plant.
All is Lookin good

11-22-09
Checked treatment Plant
exercised all equip
Hosed down Plant
All is ok. effluent is clear

11-23-09
checked treatment plant
exercised all equip
Hosed down plant
all is great effluent
is clear. Dave

11-24-09
checked treatment plant
exercised all equip
all is ok
Dave

11-25-09
checked treatment plant
exercised all equip
Hosed down plant
all is ok
Dave

11-26-09
checked treatment plant
all looks good
Shane

11-27-09
checked treatment plant
exercised all equip
all looks great
will be back tomorrow
for cleaning.
Shane

11-28-09
checked treatment plant
exercised all equip
washed down plant
all looks good
effluent is clear.
Shane

checked treatment Plant
exercised all equip.
all is looking good
effluent is clear.

11-30-09
checked treatment Plant
exercised all equip
all looks great
effluent is clear.
None

12-1-09
checked treatment Plant
exercised all equip
all looks good
effluent is clear.
Hosed down to
floor

12-2-09

Check treatment Plant
exercised all valves
took settable solids
test it was 4.8%. Hosed
down Plant, effluent is
clear Shae

12-2-09

Came back to
check Plant because
of Rain all looks
good.
Shae

12-3-09

Checked treatment
Plant all looks good.
Hosed down aeration
effluent is clear.
Shae

12-4-09

Checked treatment Plant
exercised all equip.
all looks good. Raised
rags out of addition.
will be back tomorrow
to hose down all. all
looks great effluent
is clear. Shane

12-5-09

Checked treatment Plant
exercised all equip
Hosed down Plant
all looks good.
Lift stations looks
great too effluent
is clear

Shane

12-6-09

checked treatment Plant exercised all equipment will be Picking up 2 Heaters Tomorrow for chlorine room & dechlore locker. all looks real good will be back to clean tomorrow also

Shane.

12-7-09

checked treatment Plant exercised all equip. Hosed down aeration All looks good. checked Lift Station. effluent is clear.

Shane

10½ amps

12-8-09
Checked treatment plant exercised all equipment will be back to do testing tomorrow all looks really good effluent is clear. Hosed down plant.
Shane

12-8-09
Raining Had to Reset Lift Station will be back to check in a few hours. all is getting better Plant is off.
Shane

12-9-09
Its 4:30am will be back to check later all is caught up
Shane

12-10-09
checked treatment Plant
exercised all equip.
Pump 1 needs a belt.
all is normal
Shane

12-14-09
checked treatment Plant
exercised all equipment
Had to hook heater in
blower room. All is
normal.
Shane

12-12-09.
checked treatment Plant
Put belts on blower
Plant is back in service
emergency pump keeping
inf.

12-13-09
Checked treatment Plant
All is looking pretty
good. Blowers running real
well. Will be back tomorrow
to pull bags + clean up.

12-14-09
Checked treatment Plant
All is OK. Derby city
came by and got the
#1 pump running. Plant
looks good. effluent
is clear.
Shane

12-15-09
Checked treatment Plant
exercised all equip
Hosed down Plant. #1
pump doing good. Plant
looks OK.
Shane

9

12-16-09

Checked treatment plant exercised all equipment all looks good. Pond 1 still going good will be back tomorrow to test.

Steve

12-17-09

Checked treatment plant exercised all equipment. Settable Solids 52.0. PH in clarifier was 7.28 PH in aeration was 7.26. All looks pretty good. Will be back to clean tomorrow.

Steve

12-18-09
Checked treatment
Plant, exercised all
equipment. Checked chlorine
+ De Chlore all is good.
Plant running better.
Steve

12-19-09
Checked treatment Plant
exercised all equipment
all looks good
Steve

12-20-09
Checked treatment
Plant exercised all
equip all is ok
Steve

12/21/09
Checked treatment
Plant exercised all
equipment. Hosed down
Plant. Derby city working
on pumps. adjust chlorine
feed all lab tests good
Shane

12-22-09
checked treatment
Plant exercised all
equipment. Blower is
out of service motor is
burnt up. pulled bags
for aeration. Plant looks
OK. Shane

12-23-09
Checked treatment Plant
exercised all equipment.
Blower is back in
service. Pulled rags from
aeration. all looks good
Steve

12-24-09
checked Plant all
looks ok except
Blower is out again
not sure what the
Problem is.
Steve

12-25-09
checked Plant all
was ok
Steve

12-26-09
Checked treatment
Plant exercised
all equipment. Had
to reset blower units
running good, all looks
great.
J Diane

12-27-09
checked treatment plant
exercised all equip.
Had to reset blower all
is ok.
Diane

12-28-09
Checked treatment Plant
exercised all equip
Reset blower tried
to change chlorine
We are all out. Diane

12-29-09

Checked treatment plant exercised all equip. Had to reset blower. Pumps running good. Chlorine starting out, waiting for new tank to arrive

12-30-09

Checked treatment plant exercised all equip. Had to reset blower Hooked up chlorine & adjusted. Pulled rags Checked UV Lights all looks good

12-31-09
Checked + restart
Plant exercised
all equip, Hosed down
Plant tallied some tags
Plant looks ok. Reset
blowers. effluent is
clear/murky
Shane

1-7-10
Checked treatment
Plant exercised
all equip. tallied
Some tags, reset
blower. effluent
is murky
Shane

1-2-10
Checked treatment
Plant exercised
all equip reset
blower all is
OK
Shane

1-3-10
Checked treatment
Plant exercised
all equip blower
still running all is
normal
Shane

1-4-10
Checked treatment Plant
exercised all equip
Shane is Here working
on the electric Plant is
OK For now
Shane

2-5-10
Had to turn Plant
off because
of Heavy rain will
be back later to
check on

2-6-10
Checked Plant
Flow to High
Plant will stay
off

2-8-10
Checked Plant changed
Chlorine. Flow High Plant
will stay off

2-10-10
Checked Plant
exercised all
equip all is
ok

2-11-10
Checked Plant
all is normal
Plant Still off

2-12-10
Installed motor completely
but belts are dust needs
electrical Hooked up
turning Plant on will
check again later.

1-5-10
checked Plant
exercised all
all looks good

1-6-10
checked Plant
collector on clarifier
not working motor is
burnt up, could not
pull motor off. Pulled
rags out of abration.
turned blues off all
collector works again
wasteed is clogged with
Fix another day.

1-7-10
Checked treatment
Plant exercised
all equipment
checked pumps all
are good.
Jane

1-8-10
checked treatment
Plant exercised all
equipment. checked pumps
all are good.
Jane.
Clarifier not freezing
up all is ok for
now.

1-9-10
Checked flow
exercised all equip
allowed blower to
run for 10 min all
is OK.

1-10-10
Checked treatment
plant exercised all
equip. all looks ok
Let blower run for 10
min.

1-11-10

checked treatment
Plant adjusted chlorine
level it was very High
I'm not sure who turned
it up but??? Fixed
it all is ok allowed
blower to run.

S

1-11-10

Came by to make
sure plant wasn't boiling
solids. all looks ok as
of now will be back
to check in the morning.

S

1-12-10
Checked Plant exercised all equip. Pulled debris From bar screen cleaned building. Plant needs work

1-13-10
Checked treatment Plant exercised all equip. Had to reset #2 pump ?? Its running good now. Put 300lbs of HTH in digestion. turned blower on. Will check every 2 Hours.

1-13-10
Came back by to check Plant all is ok

1-14-10
checked treatment Plant exercised all equip all looks ok. need sick or someone to help get motor out of track but all is ok

1-15-10
checked Plant exercised all equip. scrubed clarifier troFs. Pulled rags. Put HTH in troFs all looks good

1-16-18

checked plant
exercised all equip
turned on submerse
to let flow why waste
flows all is ok.
effluent clear.

1-17-18

checked treatment
plant, pulled rags
exercised all equip
turned submerse on
high water here. threw
rags in dumpster. charged
chlorine tank + dechlore
tank + adjusted flow
plant looks good.

1-22-10
Checked treatment
Plant all is OFF
will need to wait
to turn blower back
on heavy flow

1-23-10
Still a heavy flow
will need to keep
plant off all is OK.

1-24-10
Checked plant flow
Still heavy flow

1-25-10
Plant Still off
Flow to Heavy

1-26-16
Checked Plant Flow
Still heavy oil
is normal

1-27-16
Checked Plant both
Pumps still running
Continuously. will
keep Plant off then
turn on tomorrow.

1-28-16
checked Plant both
pumps still goin in guess
try to turn back on and
see how it does. will be back
to check on latter.

12-31-2010
Checked Plant
Forgot to write in
Log Book for last
2 days Plant working
good all ISR

2-1-10
Checked Plant water
for foam while Submerging
Pulled rags. Plant looks
good ISR

2-2-10
Checked Plant
Pulled rags
Exercised all Equipment
Plant Looks good.
ISR

2-3-10
Checked Plant exercised
all equipment backlit
County Septic Pumped
creek out. Pulled logs
+ wasted. Plant looks
good.

2-4-10
Checked Plant, wasted
performed tests
+ recorded data
all looks good.

2-12-10
Checked + Exercised Equipment
Turned down Air drops due to
high level at 5:00 pm
Buddy Pelham

2-12-10
Checked plant turned off aration
due to high level at 9:00pm
Buddy Pelham

2-13-10
Checked Plant exercised
all equipment oiled inside
of blower Plant is on +
running ok all is Normal

2-13-10
Checked aration pump turned
off plump due to acting up
8pm
Buddy Pelham

2-14-10
Checked plant and exercised
Equipment checked out good
Turned Back on Airution
Buddy Dalton

2-15-10 Checked plant and exercised
Equipment Checked all good
Buddy Dalton

2-16-10
Checked Plant & ~~Wastebeds~~
exercised add equil
all is ok. Checked creek
with Brad
Loan Dalton

2-17-10 +2pm to 3:15
checked Plant exercised all equipment
wasted for 3 min Killed rags
Plant looks ok. Settable Solids
at 62 ml Bullitt county Septic
started Pumping out creek. They
found another creek that →

Ties in with our creek that showed almost a foot or more of sludge in places. Brad came out with a girl named Emily who was a new inspector they took pictures as well as I did of the attached creek, our creek is now cleared better than it already was.

2-18-10
checked plant exercised all equipment checked all ~~WWTP~~ stations wasted BC sonda added HHH to Tanks to clean them up some all is good.

2-19-10
Checked and Exercised Equipment Shut off waste Everything checked out great. Buddy T

2-20-10
Checked Plant
Had to turn
Plant off

LC1 D3210 Joe Pierce
Starter LR2 D23 961-5948 Hagemeyer 224.00

Checked Exercised Equipment
all turned Plant Back on
Blue Seal good Plan to Run
Peterson Elec.
491-5010 Snyder #1161.75

32/51
LC1 D32U7 230-240V 32 Amp
LRD32 1161.75
69
.75

Grainger 499-0001 230.75

2-19-10
Checked Plant worked
on Panel 2 unit set
good Pine. pulled rags
cleaned Plant all looks
good.

2-10 Checked plant Exercised Equipment
all is good with Plan

Hunters Hollow

2-25-10
Checked treatment plant exercised all equipment new pump was installed yesterday seems to be running good. Installed new Chlorine tank + adjusted levels plant is running good Shaw

2-26-10
Check treatment Plant Exercised all Equipment all is good pulled rags from bar screen. Buddy Potter

2-27-10
Checked treatment plant exercised all equipment [redacted] Skimmer is stalled up so Joe Murphy will come by tomorrow to work on. Flow is high but plant is keeping up. Shaw

2-28-10 Checked Treatment Plant exercised all equipment pulled rags from bar screen all is good
Buddy

3-1-10
Checked treatment Plant
exercised all equipment
Can waste only a little
because tank needs to be
pumped out 45 Full of
Sludge pulled rags +
let sit so they will drip
up Sure Plant look good
today. Steve

3-2-10
Checked treatment Plant
exercised all equipment
checked all ~~station~~
Will be having the
creek cleaned up soon
effluent is clear. pulled
rags. all look ok!
Steve

3-3-10
Checked treatment Plant
Pertered test, pulled
rags. Pump 2 will not
rinse good, need looked
at. all else is ok
SC

3-3-10 5:30 pm - 6:00 PM
Checked Treatment plant
Shut off paste change & Declare
all is good Buddy Pellman

3-4-10

Checked Treatment plant Exercised all Equipment pump 2 still needs to be looked at all else is good

Buddy Fuller

3-5-10

checked treatment Plant exercised all equip Pump 2 not working good. effluent is clear. adjusted chlorine & dechlore. all is good

Buddy Fuller

3-6-10

Checked treatment plant exercised all equipment pump 2 still needs checked Effluent is good wasted for about 30 min. all is good and Pulled rags from bar screen Buddy Fuller

3-7-10

Checked treatment plant exercised all equipment pump 2 is still having trouble priming Effluent is clear wasted for about 30 min all is good and Pulled rags from Bar screen Buddy Fuller

3-8-10

checked Plant going to home creek flushed out again.. ?? Not Sure whats going on with + Allied for Plant [illegible]

3-9-10 7am To 8am
Checked treatment Plant
exercised all equipment
wasted for 30 min. effluent
is clear. Plant looks
good.

3-9-10 12pm-12:30pm
Checked treatment Plant Exercised
all equipment final Effluent is clear
Buddy Pullen

3-9-10 5:30pm - 6:00 pm
Checked treatment plant
Exercised Equipment Final
Effluent is clear
Buddy Pullen

3-9-10 9:00pm - 9:30 pm
Checked treatment plant
Exercised all Equipment
Final Effluent is clear
Buddy Pullen

3-10-10 8:30am To 10:30am
Checked treatment Plants
Bullitt Co. Septic is cleaning
the creek. Pulled rags threw
in dumpster. performed tests
+ recorded data all Levels
OK. need to raise DO's.
Wasted for 1½ hours. effluent
is clear.

12pm 12:30pm

3-9-10 Checked treatment plant Exercised all Equipment Final Effluent is clear

Buddy Pelham

3-10-10 Checked treatment Plant Exercised Equipment Final Effluent is Clear Buddy Pelham

3-11-10
Checked treatment Plant exercised all equipment & Pulled rags from aeration & bar screen. checked all Liftstations all is ok. effluent is clear.

3-12-10
Checked treatment Plant exercised all equip Plant turned off inspected creek, It looks great. Blower will be back in service soon. effluent is clear.

Shane

3-13-10
Checked Plant had to turn off flow very High

3-14-10
Checked treatment Plant exercised all equipment. Flow is still up. Will be cleaning Plant up good tomorrow effluent is clear.
Shawn + Shawn

3-15-10
Checked Plant exercised all equipment. Pulled rags + wasted. Plant Looks OK. Plant is back on.

3-16-10
Checked Plant exercised all equipment. Pulled rags from bar screen. Put HTH in clarifier trays to clean up some. Plant Looks OK Having creek cleaned

3-17-10

Checked Plant + lift sts.
Exercised All Equipment.
Everything working Orderly.
wasted sludge to the digester
while we were here. All of
Plant looks good. Effluent is
clear.

3-18-10

Checked treatment
Plant, exercised all
equipment, Checked Liftstation,
examined creek line, looking
good. Pulled rags from
aeration cleaned debris
from bar screen Hosed down
tank all looks good
effluent is clear Shawn
+
Shawn

3-19-10

Checked treatment Plant
exercised all equipment
Checked all Liftstation
pulled rags + screenings
Hosed down tank. effluent
is clear. Shawn
+Shawn

3-20-10
Checked Plant exercised all equipment, checked ~~Lift Stations~~ all is ok.
S

3-21-10
Checked Plant exercised all equip. Checked all ~~Lift Stations~~ all is ok
S

3-22-10
Checked Plant exercised all equipment checked all ~~Lift Stations~~, ~~doors~~ had to turn blower off for a little while. Will be turning it back on a few hours. Shawn

3/22/10 12:43 pm
Came back to Check Plant. Flow is down. Plant looks good. Effluent is clear. Turned Blower back on
Shawn

3-23-10

Checked treatment Plant
Exercized All Equipment.
washed down Plant. Everything
working Proberly. Effluent is
Clear. Creek is Clear.

Shawn + Shane

3-24-10

Checked treatment Plant
Exercized All Equipment.
Hosed down Plant. Found
Blower kicked out on Breaker.
Reset the breaker and
Switched to Blower #1
Effluent was slightly
Grey. Creek Still looks
fine. will Come back
later to Make Sure Blower
#1 is Still running.

Shawn + Shane

3-25-10

Checked Plant Exercized all
Equip all dc. Plant Still
looks good. Hosed down the
Plant. All dc. Effluent
is Clear.

Shawn + Shane

Checked treatment plant exercised all equipment checked all Lift stations pulled some logs. Cleaned up Plant, checked creek out. effluent is clear.
Shane & Shawn

3-27-10
Checked Plant & Lift Stations exercised All equipment effluent is clear all is ok
S.G. & S

3-28-10
Checked treatment Plant. Exercised All Eqv.P All etc. we are suppose to get quite a lot of rain today I will check the Plant later as well. Shut the skimmer down All is ok At the moment. Effluent is clear.

3-28-10 5:51 am
Came back to Check Plant. Had to shut down we have had some rain. flow is ok. Effluent is Cloudy.

3-29-10

Checked treatment Plant
Exercised All Equipment.
Changed Cl_2 tank.
Have to Still leave blower
off due to heavy flow
Effluent is not bulking
Solids any more. but has
turned a little grey from
being off. will be back
later to see if I
am able to turn the Plant
Back on.

Shawn

3-29-10 Came By to turn Blower
on. Put Blower #1
in Service at 7:55 a.

3-30-10

Checked Plant. Hosed down
Exercised All Equip. Pulled
some rags out of Aeration
and am letting them dry.
Plant looks good. Effluent
is clear

3-31-10

Checked & hosed down Plant
Exercised All Equip. Pulled
more rags from Aeration and
letting them dry. Plant looks
good Effluent is clear.

4-1-10

6213640

Checked Plant. Exercised All Equip. Found return Stopped up with rags. was able to Pull them out and get return working again. Hosed down. Pulled Dry rags and put them in trash Also Pulled more rags from Aeration And Bar screen. Effluent is Clear.

4-2-10

6215820

Checked treatment Plant Exercised All Equipment Pulled rags from Aeration and Bar screen. washed down the Plant. Everything looks good. Effluent is Clear wasted sludge for 1 hr. Shane

4-3-10

6219380

Checked treatment Plant Exercised All Equ. Plant. Plant looks good. Effluent is Clear.

4-4-10 (EASTER)
Checked Plant Exercized
Equ. Plant looks good
Effluent is Clear. Shane & Shawn

4-5-10
Checked & hosed down
treatment Plant Exercized
All Equipment. Pulled rags
from Bar Screen and from
Aeration tank. wasted sludge
for the time that I
was here. Adjusted Air
to Skimmer. Everything is
looking good. Effluent is
~~very~~ Clear ~~CAKE WAS~~
~~CALL FOUGH WHEN~~
~~I GOT HERE~~ Shane & Shawn

4-6-10
Checked treatment Plant
Exercized All Equipment
Hosed down Plant. Pulled
a few rags from Bar
Screen. Plant looks good
Effluent is clear.

6228730 4-7-10

Checked Plant exercised all equipment picked up Hose for Kingswood Job. Plant looks good. Hosed down everything Rolled rags all is normal Wasted. Shawn Thomas

4-8-10 1:08 Am

Shut Plant down due to heavy Rain

Shawn

4-8-10

Came by to check Plant Still has heavy flow. Unable to turn Blower Back on. Hosed down the Plant. All other Equip ok

4-8-10 7:35 Am

Checked to see if I Could turn Blower on. Flow Still too high

4-9-10 4Pm
Checked Plant valve
over Pump 5 busted
welded + Reddied
Checked Lift station
turned Plant on
all is ok
S & SF

4-10-10
Checked treatment Plant
+ St's. Exercized All
Equ All a. Pulled
Rags from out of the
return line.

4-11-10
Checked Plant
Exercized Equip
Everything Still looks
good The Pump
discharge line is
Not leaking Still
All ok Effluent
is Clear.

4-12-10

Checked treatment Plant
Exercised All Equip.
Changed Cl2 tanks washed
down Plant. Pulled rags
from Bar screen. All ok
Effluent is Clear.

4-13-10

Checked plant Exercised
All Equip Pulled rags
from Aeration and a
few from the return
line. Effluent is clear
All ok.

4-14-10

Checked & hosed down
Plant Exercised All
Equip All ok. Pulled
Sludge from Digester
for 30 min. Effluent is
Clear. All ok.

4-15-10

Checked Plant Exercised
All Equip All ok
Chemical Resources
delivered our Cl2
Effluent is Clear

4-16-10

Checked plant. Found Bldg. flooded. The Pump #1 discharge pump was rusted through in many places. I was able to weld up the holes and stop the leaks. Cleaned Bldg up. Cleaned off both pumps from where they were getting sprayed. Everything is ok now. Plant still looks good. Effluent is Clear.

4-17-10

Check level #3 Everything is being fed Line is still stopped all ok. Effluent is clear

4-18-10

Checked plant. Found Blower kicked. Reset the overloads and tested the Amps. All Checks out ok. Effluent is a little gray. There is an odor now. All Else ok.

4-19-10

Checked treatment Plant
Exercised All Equip
mixed down Aeration. Pulled
rags from Aeration and Bar
Screen. Plant is Coming
Back around nicely. Effluent
is almost back to Clear.

[redacted]

4-20-10

Checked treatment Plant
Found Pump # 2 housing
Broken. There is a Bolt
that came out and water
was Spraying from that hole.
I found the bolt and
tried to put it back in
but was unable because
I believe the threads are
messed up in the housing.
Cleaned out the bldg a lot
Shut the gate valve on Pump
#2. only #1 and the
emergency Pumps are in Service
Plant looked good. Effluent
is Clear.

4-21-10

Checked treatment plant.
Exercised all Equ.!
Pump #2 is still out
of service. Pulled
Supernate from digester
for 30 min. Need to
waste Seen. All else ok
Effluent is clear

4-21-10
Checked treatment
Plant exercised all
equip. Pulled some
supernate still want
digester pumped out,
filled bags & let to
drip, tied off bags &
garbage can. Plant
looks ok. Will test tomorrow.
Shane

4-22-10
Checked treatment
Plant exercised all
equip. Pulled some bags
out of bar screen. Knocked
down foam on aeration
basins. Checked DO stations
all is normal.
JG

4-23-10
Checked Plant Exercised
Eqv.P. Worked on # 2
Pump for a while. Finally
got the Mercoin Pot back
on and the Pump Primed
Plant ok Effluent is Clear.

4-24-10
Checked Plant Exercised
Eqv.P All ok. Expecting
heavy rain today. will
keep an Eye on Plant
& Sts.

4-24-10
Shut Blower off
3:43 PM, due to
Heavy rain/flow

4-24-10 9:27AM
Came by to Check
Plant again. All
still ok. flow still
very high.

4-25-10
Check Plant Exercised
Eqv.P. still heavy flow
Blower still off.

4-25-10 9:21 am

Came by to check
plant & sts again
had some more heavy
rain. Everything still ok
Blower still off

8 10 4-26-10

Checked treatment
plant exercised
all equipment
Blower is still off
all is normal
& G.
Changed out sulfure
and chlorine tank
and filled logs +
trees in garage.

4-27-10

Checked plant
exercised all equip
checked all LiftStations
all are ok as of now.
Blower will remain off
Still raining. Shane

4-28-10

checked plant
exercised all equip
checked LiftStations
all is OK Plant will
[illegible]

6293300 4-29-10 12:45pm

Checked plant. Exercised All Equip Turned Blower back on. Strong odor. Effluent is Gray from Being off so long All Else ok.

Shawn + Glen

6295520 4-30-10

Checked treatment Plant Exercised All Equip wasted Sludge for 30min Brushed the Creek Early for Bill. H to Settle to Clean it. Aeration Color Coming Back around and Clarifier is Clearing N. Eff. Mostly Clear.

6298900 5-1-10

Check Plant Blower off 5:15Am Heavy Rain

5-1-10

Checked Plant + St's multiple times today.

5-2-10

Shift with Gas Pumps at 2.1.2 and of Plant had to Pump all night

5-3-10

Check Plant Blower still off Shut gas Pumps off today at 1.1st st and Plant.

5-4-10

Checked Plant found Breaker kicked on Salt Primers. Reset and they Came on [illegible] the Flow while the others were off Blower Still off.

5-5-10

Checked Plant Exercised All Equ.P. Still unable to turn Blower on. will check later this evening. All Equ.P ok.

5-6-10

6314260 Checked treatment Plant
Exercised all the Pumps
Blower still off. Flow
is still to high and
the emergency Pump is
having to kick on.
Will hopefully be able
to turn the blower on
later today.

6316813 5-7-10
Checked Plant
exercised all equipment
Pumps are still at a
constant Pump will
stay off. Will try
to turn blowers on
tomorrow. Steve

5-8-10

6319990 Checked Plant Flow stay
high. Pumps working on
Blower still off

5-9-10

Checked treatment Plant
Exercised All Equipment
Turned Blower on 9:12 AM
Effluent is very grey.
All Equip ok.

5-10-10

Checked treatment Plant
Exercised All Equipment.
Changed Cl_2 tank
Effluent is still pretty
grey. Beckman is waiting
till Wednesday to Sample
All Equip ok.

5-11-10

Checked treatment Plant
Exercised All Equip. Rilled
says from Aeration. The
Effluent is still grey but
it is starting to get
better. the Aeration color
is getting better As well.

5-12-10
Check Plant Exercised
Equ.P All ok. Effluent
Almost

6336070

5-13-10
Checked Plant. Exercised Equ.P
Had to pull rags from
out of the return. All
Equ.P ok. Got return going
again. Effluent clear.

5-14-10

6338260

Checked Plant Exercised.
All Equ.P. Effluent
is Pretty Clear. Pulled
Some more rags from
the return - All Equ.P
ok.

6339890

5-15-10
Checked Plant
Exercised All
Equ.P all ok
Effluent Clear

5-16-10

Checked Plant Exercised
All Equip. Rain but Plant
is looking ok. Eff
is clear

5-17-10

Checked treatment Plant
Exercised All Equip.
Pulled some rags from
Aeration, Bar Screen, and
out of Return. Plant
is still looking good
All ok. Effluent is
Clear.

5-18-10

Checked Plant Exercised
All Equip All ok. Pulled
rags from Aeration. Effluent
is clear.

5-19-10

Checked plant Exercised
Equip All ok. Pulled
rags from Bar Screens.
hosed down Plant really
good. Effluent clear

6360230

5-20-10

Checked Plant + Sts. Exercized All Equip. All ok. Effluent Clear

6364465

5-21-10

Checked treatment Plant Exercized All Equipment Adjusted Chlorine feed Pulled some rags out of the return. Hosed down the plant. All ok. Effluent is clear.

6365210

5-22-10

Checked Plant + Sts Exercized All Equip All ok. Effluent Clear

5-23-10

6369080

Checked Plant. Exercized All Equipment. All ok Effluent is Clear

6372720

5-24-10

Checked Plant exercised all equipment, checked all Lts. Walked creek line all Looks ok

Steve

60

5-25-10

Checked treatment Plant
Exercised All Equip. All ok
Pulled rags from Aeration
All ok Effluent is
Clear.

5-26-10

Checked treatment Plant
Exercised All Equip. Hosed
down Plant. Pulled rags
from Aeration and Bar
Screen. was going to Pump
out the Contact tank
but there is no need
for that. Plant looks great
Effluent is very Clear.
Inspected Cost. All is ok.

2960 5-27-10

Checked treatment
Plant exercised all
equipment. Hosed down
Plant. Pulled some drags
+ threw in dumpster.
Checked creek, all looks
OK. Shane

5-28-10

Checked Plant exercised
all equip. Pulled a ton of
rags out of aeration. Plant
is good OK

639620 5-31-10
Checked Plant
Blower was locked
out all is ok.
Effluent ~~was~~ is ok.

6-1-10

640300 Checked treatment Plant
Effluent is Excl.
Pulled lid off Sludge
return and got all the
rags out of it. Pulled
rags from Bar Screen
All ok. Effluent Clear.

646020 6-2-10
Checked Plant
Transfer Line is stopped
up. Checked Lift. all
are ok. Pulled rags
+ let to dry. turned
Plant off. Done.

646820 6-3-10
Checked Plant
Plant looks Good.
Checked Ultraviolet
all is ok
SS

6-4-10
Checked Plant Exercised
All Equip All ok

6-5-10
Checked Plant Exercised
Equip All ok. Eff Clear

6-6-10
Checked Plant. Found
Blower kicked. Reset it
did Aud Check. All Checked
out ok. Charged Cl2
tank. Plant still looks
good. Effluent is still
Clear

6-7-10
Checked Plant Exercised
Equip All ok Eff. Clear

6-8-10
Checked Plant. Exercised
All Equip Pulled rags
from Aeration and from
inside return. Effluent
Clear

6-9-10
checked Plant Shut blower
down 11:12am due to rain

6429890 | 6-10-10
Checked Plant
Blower still off
Pumps ok.

6432100 | 6-11-10
Checked Plant. Flow
is still very high.
Emergency Pump is
having to Cycle
Blower still off.

6435810 | 6-12-10
Check Plant Exercised
Equip All ok. Blower
still off

6439230 | 6-13-10
Check Plant + Stc
Exercised All Equip
Turned Blower on All
Otc.

6444990 | 6-14-10
Checked Plant Exercised
All Equip Pulled rags
from Aeration and Bar
Screen hosed down Plant
Aeration still Black and
Effluent is trying to
clear up.

6-15-10
Checked plt. pulled
a few rags from bar screen.
Hosed down plant. dilution
is pretty dark. effluent
is looking OK. Will be
cleaning rags off tof
bar will test tomorrow or
Thursday. SG.

6-16-10
Checked treatment plt
exercised all equipment
checked all GFs
performed all daily plant tests
and recorded data need
more oxygen in aeration
DO's are really low. waste
more to if able. all is ok.
SG

6-17-10
Checked Plant + LFs
exercised all equipment
pulled rags from up tof
+ put in dumpster cleaned
up all is ok. SG.

065878 6-18-10
Checked Plant + CS
all is OK. added HH
to clarified tanks. Cleaned
bar screen. Plant looks ok
Expected effluent is clear.
SG.

646150 6-21-10
Checked treatment Plant
exercised all equipment
Checked all aeration
tried to separate again.
Pulled rags all is normal.
Shane
Need to have diaphram
turned out

647820 6-22-10
Checked Plant
Exercised All Equ!
Hosed down Aeration.
Louisville water came
by and tested the
Potable water. They
said we need to
install a backflow
Preventer in the Cl2
Room. Exhaust Clear

6-23-10
Checked treatment Plant
exercised all equipment
Checked all L.S. stations
performed all in-plant
tests & recorded data
all is normal. Called
logs. Shae

6-24-10
Checked treatment
Plant, exercised all
equipment, checked
all L.S. stations. performed
all cleaning procedures,
Checked down Plant etc.) all
is ok. Shae

6-25-10
Checked treatment Plant
Exercised All Eq.
All ok. Heard down
the Aviation & Clarifier
All ok. Effluent Clear.

6-26-10
Checked Plant &
St's Exercised
Equ. All OK

6488720

6-27-10
Checked Plant. Exercised
All Equip All ok
Effluent Clear

6-28-10
Checked treatment Plant
exercised all equipment
Checked all UV status
failed also of rays
Changed Chlorine tank
Changed Sulfur tanks
Plant looks ok. Still
need digester Pumped
out. Thanks
Dave

6-29-10
Checked treatment Plant
Exercised all equipment
Checked all UV status
failed rays will be throwing
all in dumpster ~~on~~ tomorrow.
all Looks ok.
Dave

Put bags in dumpster dec
all in-plant tests. ~~Good~~
we need to waste all is
ok Shane

65-59c 7-1-1
Checked treatment plant
exercised all equipment
cleaned up plant +
looks great now. Its
are ok. Plant is running
good will get blower running
to up DO soon.
Shane

65-70 7-2-10
Checked treatment plant
exercised all equipment
cleaned up plant. Its
are all ok. Plant is running
good. Had to clean clarifier
twice today. need a hose
so I can clean up walk
way up top + walls.
Shane

75-K
Check Plant Exercised Eq.

6564/90 7-5-10 Ham
Checked Plant Brad
said we lost Power
when I got here all
is ok. Cleaned up
Grad
Had to refill tanks
&C.

6507750 7-6-10
Checked Plant Everything
All Equip. Blew off Sand
Pol UPS Around Weir Plate
Still need a hose to
wash down. Took Measurement
to weld a Piece of Stat
by bar screen so
the influent will not
splash into Contact tank.
will be back later to
Install.

7-6-10
welded flat Metal to
the bar screen. Stopped
the overflow

7-7-10
Checked Plant + LTs
Cleaned up. tested
Plant + recorded data.
Cleaned clarifier.
SG.

7-8-10
Checked treatment
Plant exercised all
equipment. Checked
LTs stations all were
OK. Swept out buildings
Sore. Its a million degrees
in here. Cleaned clarifier
Sc. filled bags out of
bar screen.
Brad

7-9-10
Checked treatment Plant
exercised all equipment
Checked LTs all were
OK Cleaned clarifier +
Trolls. added HH
to trolls. all looks good.
Brad.

E

7-10-10

0510990 Checked Plant Exercised All Equip All ok. Effluent Clear.

7-11-10

0512130 Checked treatment Plant. Exercised All Equip All ok. Eff Still Clear. Influent is still not splashing into Contact tank.

0511100 7-12-10 Checked treatment Plant. exercised all equipment. Hooked hose up was gunna Hose down tof but we have no water pressure. Pulled rags. Separated. Changed Sulfur. cylinder. had to Fight Pump 2 to get it to prime. all is ok effluent clear. would of cleaned trash out of tanks but beckmans testing.

Shane

651620 7-13-10 7:30am
Checked treatment Plant
exercised all equipment
Checked all Lift stations
Had to turn Plant off
excessive rain today.
Steve

651455 7-14-10 12:30pm
Checked treatment Plant
exercised all equipment
Checked all Lift stations
turned Plant back on
Cleaned clarifier & contact
tank. added HTH to
both & scrubbed down.
All looks ok.
Steve

651570 7-15-10
Checked treatment Plant
exercised all equipment
Checked all Lift stations
Cleaned up Plant, Filled
sulfur & Chlorine feeders
Should be ok now all

651020 7-16-10 8:30am TO 10am
When I got to the
plant blower was off
Came in the belts had
burnt off. Put 3 new
ones on. ~~tested plant~~ all
is ok. Cleaned up.
JG

651906 7-17-10 8am
Came by to check
Plant. It failed I
guess. Had to turn
Plant off.

7-18-10 5am
Checked treatment
Plant exercised all
equipment. Checked all
~~lift stations~~ - turned Plant
on & cleaned up effluents
gray. JL

Will check again later
today. JL

7-18-10 9pm
Checked Plant added
HHH all Looks good.
SC

7-19-10 9am to 10am
Checked treatment Plant
exercised all equipment
Checked all Lift Stations
Pulled rags from bar screen-
supernated, + cleaned
up. Beckman is testing.
Shane

7-20-10 7:25 Am
Checked Plant exercised
all equipment. Blower was
kicked had to reset. Checked
Lift stations all is ok. Having
alot of rain. Cleaned up.
Shane

7-20-10 9am
Came back to check
on Plant. Had to turn
off the blower.
Shane

~~7-21-10 8am to 4:30pm~~
Checked Plant + Lifts
Turned Plant back on.

7-4-10
Checked treatment Plant, exercised all equipment. Checked all Lift Stations. Turned the chlorine up to 13 lbs & the Sulfur to 17 lbs. Still raining will keep plant off.
SG

653030 7-22-10 8am to 9:30am
Checked treatment Plant exercised all equipment & checked Lift Stations. turned Plant back on. Cleaned Plant. Scrubbed clarifier & added HHH. all As OK. will check again later.
SG

7-23-10
Checked Plant blower was kicked when I got here so I reset & cleaned clarifier. Used HHH, Raked rags. Found a leak in Pump #1 went to Lowes bought some epoxy putty & fixed it. Leaving doors open to let Heat out.
SG

7-24-10
Checked treatment Plant
exercised all equipment
all good ok.
Stan

7-25-10 12pm
Checked treatment Plant
had to reprime pump #2
also had to reset the
blower. the overload was
kicked again. all is
back to normal.
SC

7-26-10 Sam
Checked treatment Plant
exercised all equipment
checked all LiftStations
cleaned + scrubbed Plant
all good ok.
pulled rags
need chlorinator fixed!!

7-27-10
Checked treatment Plant
exercised all equip
Checked all LiftStations
Brooned out water in
Pump building. Need a new
adaptor between pump and

7-26-10
Checked treatment Plant
exercised all equipment
checked all LIFT Stations
cleaned up. used a little
HTH. tested Plant &
recorded results. Than
from backwash, said he
recieved no residual.
So no chlorine is feeding.
Shane

7-27-10
Checked treatment Plant
exercised all equip
checked all LIFT Stations
cleaned up Rolled ass
all Looks ok.
Shane

7-31-10 8:30 am
Checked treatment Plant
exercised all equip
Had to turn Plant off.
Had a good rain Last
Night.
SC.

7-31-10

Came by and Checked
Plant As usual. Saw
that Shaw had already
been here for some reason.
leaving Plant at.

8-1-10

Checked Plant.
Electrical Equip
Blower Still on
Flow is Still High.

8-2-10

Checked Plant Electrical
Equip. Hosed down. Swept
out the bldg. Finished
installing the Exhaust fan.
Also Checked why there
is no Cl2 feed.
Changed Cl2 tank. Turned
Blower back on.

8-3-10

Check Plant Electrical
Equip. Hosed down. Filled
1 Air duct to see if
we could do it all ok

8-4-10
Checked Plant will test tomorrow Cleaned up. all is OK effluent is clear. need pole to pump Fixed to much water in building.

8-5-10
Checked Plant + LTS tested Plant + recorded data. We are gunna have rain today. will check again Later

8-6-10
Checked treatment Plant exercised all equipment Checked all LIFT Stations Cleaned Clarifier troffs Dumped garbage can Field with rags in dumpster took portable pump of truck so Shawn could pick it up

8-7-10
Checked Plant + I+S
exercised all equipment
all Lab's pretty good,
effluent is clear.
JS

8-7-10
Checked Plant + St's.
Exercised All Equip & Effluent clear.

8-8-10
Checked Plant.
Exercised All
Equip. Swept out
Bldg. Effluent
is Clear.

8-9-10
Checked treatment
Plant exercised all
equipment. Checked all
Lab tests. We do have
a residual will turn
Sulfur up, just a little.

8-10-10
Checked Plant Exercised
Eqpt Pulled diffuser
disks. not finished. will
be back tomorrow to
finish.

8/11/10
Checked treatment Plant
exercised all equipment
Finished pulling disks
somebody came in & broke
key off wall ?? all is
ok will test tomorrow.
Shane

8-12-10
Checked treatment Plant
exercised all equipment
Checked all chlorinations
tested Plant & recorded
data. all is normal
Building still needs water
problem fixed & tanks moved
into [redacted] these buildings.
Shane

8-13-10
Checked treatment Plant exercised all equipment Checked all LIFT Stations the self priming pumps are not working the emergency pumps kicked on & is keeping up OK all else is OK effluent is clear

S.S.

8-13-10
Breaker was kicked for power to Control Panel. Installed new

8-14-10 7:00pm
Checked Plant exercised all equip Checked All LFS had to turn Plant off.

8-15-10 1:40pm
Checked Plant Blower shut off.

8-15-10
Checked Plant ~~#~~ f
STS. Blower Skid
off. STS Daisy ok

8-16-10
Checked treatment
Plant exercised all equip
turned plant backon
and started cleaning up.
all looks ok will
check back later.
SS Shane

Changed chlorine tank
too. SS.

8-17-10
Checked treatment Plant
Belts burned out blower
put new ones. Pumps where
kicked. Cleaned up. Checked
all LIFTSTATIONS. All looks
ok. will check back later.
SS.

8-18-10
Checked treatment plant exercised all equipment checked all Liftstations cleaned plant, scraped clarifier + added HH. Installed air drop into digestor. Swept building + threw away trash. Pulled weeds + threw in trash all looks OK. Shane + Shawn.

6-19-10
Checked plant exercised all equipment inspection tech. Cleaned up building and plant all looks good.
JC

6-20-10
Checked plant exercised all equipment checked and Liftstations tested + cleaned plant fixed back gate all is ok.
JC

6-20-10

PJ Heat on Zinc bed
at 4pm. At 10pm was
up at the plant.
Feed rate a little
more than was listing
Solids when I got
here shut the plant
off for a bit then
turned back on and
worked Skids and
Extended Submersible
Flow dips for PJ or
Max.

Shawn

6-23-10

Checked treatment Plant
exercised all equipment
Checked all ~~Lagoons~~
Cleaned Clarifier tanks
Hosed down plant.
Pulled rags from aeration
and bar screen effluent
is clear.

JC

aug 25-10
Checked treatment Plant
exercised all equipment
checked all LIFTstations
Cleaned + scraped clarifier
+ troffs. added HHH
to troffs. tested all
in-plant tests + recorded
data. effluent is clear.
Shane

aug 26-10
Checked treatment Plant
exercised all equipment
Checked all LIFTstations
Pulled rags, put new
belts on blower all
is ok.
Shane

aug 27-10
Checked treatment Plant
exercised all equipment
Checked all LIFTstations
Switched to other blower
need belts. cleaned up

8-28-10
Check Plant Exercised
All Equip All ok
Ext Clear.

8-29-10
Checked Plant. Found
Blower kicked. Reset
it. It is working
fine. now. will check
back later and make
Sure its still running

8-29-10
Checked Plant
Blower Still ok.

8-30-10
~~Checked Plant. All~~
~~Exercised all equip~~
~~Checked all Level Float~~
~~Cleaned Pit up~~
~~Blower has Check??~~
~~Added Mix to Tanks.~~
SC

8-30-10 Contacted
Wes + Chemical
resources + placed up
2 fecl drums of 42%
Liquid + 2 extra
drums in case I have
already put a bulk tank
in room. DC

8-30-10
Picked up 2 new
Sets of Belts for
Blower #1. Had to
adjust the Sheave
on the motor. Took 1
belt off each time
to adjust the
Belt tension. Also ran
Amp Check on Blower
#2. Found it was
Pulling 9.6 Amps on all
3 legs only rated for
20.5. Added 1 Drum
of UTH to the
Aeration tank. Blower
#1 is in Service and
Should be good now.

SD1

8-31-10
Checked treatment Plant
exercised all equipment
Checked all LIFTstations
Cleaned up some will
come back later & clean
again. JS.

9-1-10
Checked treatment Plant
exercised all equipment
Checked all LIFTstations
Cleaned Plant up. tested
Plant. JS.

9-2-10
Checked treatment
Plant exercised all
equipment Checked all
Lifts. Pulled rags aeration
is STILL dark.
JS.

9-3-10
Checked Plant Exercised
All Equipment. Checked
All Lift Sts All
Of Effluent is
Clear.

9-4-10
Checked treatment
Plant exercised all
equipment All is
ok. SS Clean

9-5-10
Check Plant Exercised
All Equ All ok

9-6-10
Check Plant
Exercised Equ.
All ok. Ecl
Clear

9-7-10
Checked treatment Plant
exercised all equip
Changed cl2 cylinders
Cleaned Plant, checked
Lts all is ok.
SS

9-7-10
Backflushed Skimmer
with test ball.
Got it working again

9-8-10
Checked treatment plant exercised all equip tested & cleaned plant all is ok. pulled rags ect. SS checked LFS also

9-9-10
Checked treatment plant exercised all equipment Checked all LIFTSTATIONS cleaned plant up, Skimmer is again stopped up. all else is ok. SS

9-10-10
Checked treatment plant exercised all equipment Checked all LIFTSTATIONS cleaned Clarifier tanks pulled rags all looks good, effluent clear. No readings SS

9-11-10
Checked treatment plant exercised all equip checked all LFS plant is doing good. No readings SS

9-12-10
Checked Plant
Exercized All
Equ. Skimmer
was stalled up.
Used test ball
and got it going
again. Plant looks
good. Effluent is
Clear.

9-13-10
Checked Plant. Changed
oil in both blowers
Greased Both Blowers
and motors.

9-17-10
Checked treatment
plant exercised all
equipment cleaned up
Clarifier tanks.
Plant looks ok.
JS.

9-14-10
Checked treatment Plant
exercised all equipment
performed all in-plant test
+ recorded data. cleaned
plant up some.
JS.

9-15-10
Checked treatment plt
checked all equipment
Checked all LIFTstations.
Cleaned & tested plt
waited for Jon in all
is ok
DS.

9-16-10
Checked treatment plt
checked all equipment
Checked all LIFTstations
Cleaned up parking lot
new plant is doing ok
DS.

9-17-10
Checked treatment plt
checked all equipment
Checked all LIFTstations
cleaned plt up trimmed
up bush near basscreen.
added HTH to baffles.
all is ok.
Shane

9-18-10
Checked Plt
& LIFTstations
all are ok
Shane

9-19-10
Checked Plant
Exercised Equ.P
All ok.

9-20-10
Checked treatment
Plant exercised all
equipment, checked lift stations,
cleaned clarifiers up real
nice. added HTH to
clarifier tanks. Pulled rags
all is ok. effluent is
clear.
Dave G.

9-21-10
Checked treatment
Plant exercised all
equip. Checked lift stations
Pulled alot of rags out
of aeration and lagoon
to dry. all is ok Clarifiers
looks good.
Dave

9-22-10
Checked treatment Plant
exercised all equipment
tested & recorded Plant
Checked Lift stations.
Supernate line clogged.
effluents clear. DA.

8-23-10 @ 10:00
Checked treatment plant exercised all equipment checked all ~~lift stations~~ pulled rags + put old drying rags in bucket to go to dumpster. Cleaned clarifier tank with HTH. Swept building out. All is ok. effluent is clear.

8-24-10 SG.
Checked treatment plant exercised all equipment checked all ~~lift stations~~ Light rods here all is ok. Scrubbed clarifier walls. Plant looks good. SG

8-25-10
Checked treatment plant exercised all equipment. Checked all ~~lift stations~~ Cleaned up pulled rags all looks good.
SG

9-26-10
Checked Plant
& Sts Exercised
All Equip All ok
Effluent Clear.

9-27-10
Checked treatment
Plant, exercised all
Equipment, Checked
all WETStations
cleaned & [redacted] brushed
Clarifier walls. Changed
out Cl2 tank & tested
residual all is ok. Hosed
down plant walls, turned
hose off, pulled bags from
greensand & set to dry.
Effluent is clear.
SS.

9-28-10
Checked treatment
Plant, exercised all
Equipment, Checked all
WETStations, blower was
running but belts burnt
off when I got here
all is back on now. Put
new belts on & cleaned
[illegible]
2

9-29-10
Checked treatment Plant
exercised all equipment
checked all LIFT Stations
Pulled rags from barscreen.
Pulled alot of rags out of
aeration. tested Plant
all is Normal. SC
PH was a little lower then
usual will check again
in a few days.
SC.

9-30-10
Checked treatment Plant
exercised all equipment
checked all LIFT Stations
Pulled rags from barscreen
and aeration. Put old
dryed rags in garbage
can all looks ok.
at the plant need
Sulfur master Fixed.
effluent is clear.
SC

10-1-10
Checked treatment Plant
exercised all equipment
Checked all LIFTstations
walked creek needs to
be cleaned. pulled rags
out of barscreen & aeration
cleaned clarifier walls
cleaned clarifier troffs.
All ok

10-2-10
Checked treatment Plant
exercised all equip
Checked all LIFTstations
pulled rags from barscreen.
Effluent is clear

10-3-10
Check Plant
Exercised All
Equip All ok
Effluent clear

10-4-10
Checked treatment Plant

658770

10-5-10
Checked treatment Plant
exercised all equipment
checked all LiftStation
Cleaned clarifier to PLC
very well + put HTH
in then. Brushed clarifier
walls. Pulled rags from
barscreen + sat to dry.
creek needs to be cleaned.
Blower Rebbler needs to be Fixed
to much back pressure.
Hole in digester wall needs
Fixing Separate the Still
closed. JG

10-6-10
Checked treatment Plant
exercised all equipment
checked all LiftStations
Performed all in-plant tests
+ recorded data. all is
OK JG

10-7-10
Checked treatment Plant
Exercised all equipment
Checked all Limitators
Cleaned clarifier trays.
Pulled rags out of aeration
+ set out to dry. All
Loads ok. Changed Cl2
Cylinder. Effluents
Clear. Pond Motor
#1 sounds
horrible bearings
going out.

10-8-10
Installed motor on Blower
#2. Pulling belts on #1
3 legs Blower motor is going
bad. Also found Blower
#1 turned off on the HOA
Switch. Turned it back on.
Need some more belts for
Blowers.

10-8-10
Checked treatment Plant
Exercised all equipment
Checked all Limitators

6

10-9-10 [illegible] to [illegible]
Checked Plant
exercised all equipment
Checked all [illegible]
Plant looking solids turned
blower off will tell shaw
to try turning it on
tomorrow SC

10-9-10 3pm to 4pm
Came back about 3pm
later + turned plant
back on allowed sludge
to settle by turning
skimmer off + wasting
all is ok now will check
again at 7.
SC

10-9-10 8pm to 8:30pm
Checked treatment Plant
all looks ok.
JS

10-10-10
Checked Plant. Electrical
All Equip. Everything
looks OK. Effluent
is clear.
Shawn

10-11-10
Checked treatment
Plant exercised all
equipment, Checked all
Lift Stations, Cleaned Plant
up. Pulled rags + trash.
added a little H+H to
traps. All is OK.
JG.

10-12-10
Check Blower #1.
is locked out. Changed
the Sheave on Blower
2. Got different belts
and put that blower
in Service. It is pulling
68.2 | 68.4 | 69.1 Amps.

Checked Plant
blower was off belts
burnt off. Going to Buena
rubber to get more.
JG.

10-13-10
Checked Plant had to
go to grainger + get
belts ~~[illegible]~~ general rubber
was out. Put belts on
all is ok. Done

10-14-10
Checked treatment
Plant ~~[illegible]~~ exercised
all equipment, checked
all ~~[illegible]~~ stations. all is
ok JG.

10-15-10
Checked treatment Plant
exercised all equipment
checked all UV stations.
Blower was kicked when
I got here return is
stopped up. Belts burnt
off also.
JG

10-15-10
Changed Sheive on
Blower # 2. Installed
Air Pressure Gauge on
Blower discharge
Pipe. Put new Belts
on Blower. Got sludge
return working.

10-16-10
Checked treatment Plant
exercised all equipment
Checked all LIFTstations
all is ok
JL

10-17-10
Checked Plant
Exercised Equ.
All looks good
Effluent clear.

10-18-10
Checked treatment Plant
Exercised all equipment
Checked all LIFTstations
Pulled a lot of rags out
of bar screen
Effluent will be clear

checked treatment plant
exercised all equipment
checked all UV stations
cleaned clarifier troughs
by can out + fixed
sulfur + chlorine feeds.
all is ok with that now.
added HTH to clarifier
trough. effluent is clear.
SG.

10-20-19
Checked treatment plant
exercised all equipment
checked all UV stations
chlorinator not working
they will be here Friday
to fix. I put 6 chlorine
tablets in the troughs
fill them. Ball Hill carry
septic is cleaning creek
I tested today x'll
Full, effluents clear. Also
Tested Plant as well! SG.

10-21-19
Checked treatment plant
exercised all equipment
checked UV stations
turned digester diffusers
on. Added de tablets
to troughs. all looks ok
creeks being cleaned.
SG

10-22-10 1:20 to 4pm
Checked plant, Recieved
call black gas coming out
of final. There is two holes
in contact to the digester &
digester sludge was flowing
out to creek. Had pump truck
come in & pump digester.
JS.

10-22-10
Checked treatment plant
exercised all equipment
checked all LIFTstations
effluent is going out
Clear. allowed skimmer to
run. added chlorine. Becker
came here & sampled. all
is OK.
JS

10-23-10
Checked treatment plant
exercised all equipment
checked all LIFTstations
all is OK. effluent is
clear.
JS

10-24-10

Check Plant
Exercised Equip
All ok Effluent
Clear

10-25-10

Checked oil in
Blower. Greased
All motors &
Pumps.

10-25-10
Checked treatment Plant
exercised all equipment
Checked all LS stations
HH2 is clogged up. Shawn
is on his way to help me
Fix it. Cleaned clarifier
trofs. Pulled rags. Plant
is ok. effluent is clear.
SE.

10-26-10
Checked Plant. Exercised
All Equipment. All ok. I
Am Pulling Pumps at HH2
again today. May have
Heavy rain later. Effluent
is Clear now.

10-26-10 1:45 Pm
Shut Plant down
Due to Severe
weather.

10-27-10 8am
Checked treatment Plant
Exercised all equipment
Checked all ~~Lift~~ stations
turned blower on. Cleaned
up will test Friday.

10-28-10.
Checked treatment Plant
exercised all ~~equipment~~
Checked all ~~Lift~~ stations
Cleaned Clarifier trough
with ~~Filter~~ + Scrubbed
Clarifier Pulled rags down
will be here tomorrow to
help me move tanks +
pick up rags.

10-29-10
Checked Plant
Exercised all equip
Checked ~~Lift~~ stations

10-30-10
Checked treatment
Plant, exercised all
equipment, checked UV
all is OK.
JS

10-31-10
Checked Plant
Exercised Equ
All Ok.

11-1-10
Checked Plant. Hosed down
Exercised all Equipment.
All looks good. Effluent
is Clear.

6594230 11-2-10
Checked Plant.
exercised all equipment
Cleaned Plant up. pulled
rags & set to dry. all
looks good. Effluent is
clear.
JS.

6594340 11-3-10
Checked treatment Plant
Exercised all equipment
Checked UV
Cleaned Plant, pulled rags
all is OK
JS

0944a 11-4-10
Checked treatment plant
exercised all equipment
checked all LIFT stations
Cleaned up plant. Pulled
rags + set dry. allowed
skimmer to run. Had to
reprime pump 2, All is
ok. SC

0945a 11-5-10
Checked treatment plant
exercised all equipment
checked all LIFT stations
Pulled rags + set to
dry. allowed skimmer to
run + will just keep on
until tomorrow. All is ok
[redacted] SC

0947a 11-6-10
Checked treatment plant
exercised all equipment
checked all LIFT stations
effluent is clear all
looks ok SC

11-1-10
Check Plant Exercised
Equip All ok
Effluent clear.

6598620 11-2-10 8am
Checked treatment plant
exercised all equipment
Plant was off. Blower
had circuit tripped it
back on & cleaned
up spilled rags & set
to dry. Plant needs
attention. SG.

6595720 11-9-10 8:30am
Checked treatment plant
exercised all equip
Cleaned clarifier &
trays. Used HTH on
trays. Spilled rags will
get thursday. All looks
great. Shane

11-10-10
6598950 Checked Plant. Tested. Did
not have Sheet to
write results on.
Put the results in my
Phone. Plant looks
good. Effluent is Clear

659620 11-12-10
Checked treatment Plant
exercised all equipment
checked Lift Stations
Cleaned plant up. picked
up dried rags & fat
in garbage can. all is
ok. changed Cl2 cylinder
& adjusted. All is ok

659 6870 11-13-10
Checked Plant
exercised all equip
all is ok.

659250 11-14-10
Check Plant
Exercised Equip
All ok. Ext Clear

659670 11-15-10
Checked treatment Plant
exercised all equipment
Checked all Lift Stations
allowed skimmer to run.
Filled rags & placed in
garbage can. All is ok
effluent is clear.

Checked treatment Plant
exercised all equipment
checked all LIFTstations
cleaned Plant, fairings.
all is OK
SG

11-16-10 5pm
Checked Plant
Heavy Flow Building
turned Plant off.
SG

659796 11-17-10
Checked treatment
Plant, exercised all
equipment, checked
all LIFTstations. keeping
Plant off flow still
to much both pumps
running constantly.
SG.

659800 11-18-10 7pm
Checked treatment Plant
exercised all equipment
checked all LIFTstations
All is ok turning the Plant
on will Check again Soon.
SG

11-18-10 3:30pm
Rechecked plant
all is ok. Will
keep plant on.
JS

11-19-10
Checked treatment plant
exercised all equipment
Checked all LIFT stations.
Cleaned clarifier troughs
testing plant on monday.
all is ok
JS

11-20-10
Checked treatment plant
exercised all equipment
Checked LIFT stations
all is ok

66022 11-22-10
Checked treatment Plant
exercised all equipment
Checked all UV status
Cleaned up Plant
Pulled rags & set to
dry. Pulled old rags &
set in garbage. All
is ok. Testing tomorrow!
JS

11-22-10 3pm
Checked treatment Plant
turned supernate line
on Larry is coming by
to look at hole in digester.
I also turned the skimmer
on & it got clogged. I
backflushed it & it's
working again. Also
had to change [redacted] SL2
cylinders all is ok.
JS.

11-23-10 8:30am
Checked treatment Plant
exercised all equipment
Checked UV status.
Cleaned building, tested
Plant & recorded data.
Cleaned up. All is OK.
JS

11-24-10
Check Plant
Shut Blower
off 7:57 Am

11-24-10 11:38 Am
Check Plant
+ Sts
All ok no mud
for Pumps yet

11-25-10 10:46 AM
Check Plant All
ok Sts ok
Blower still off

11-25-10 5:21 Pm
Check Plant +
Sts All ok
Blower off

11-26-10
Checked Plant
all is ok Flow is
Very heavy Keeping
Plant off
SS

11-27-10
Checked treatment Plt
exercised all equipment
had to reprime #2
pumps both going Full
time will leave plant
off till tomorrow.
JS

11-28-10
Check plant +
STS Exercised
Exc! Blower is
still off. Flow
too heavy

11-29-10 [redacted] 9am
Checked treatment Plt
exercised all equipment
Checked all LIFstations
turned plt on. Changed
[redacted] Cl_2 Cylinder all
is ok
JS

11-29-9:30pm
Checked treatment Plt
turned off
Heavy Flow
JS

660615o 12-1-10
Checked treatment plant
exercised all equipment
Checked all UV stations
Pulled rags out of
return. Pulled rags out
of aeration.
JC

660620 12-2-10
Checked treatment plant
exercised all equipment
Checked all UV stations
Pulled ~~all~~ rags
out of aeration. Will
try to turn plant on
tomorrow.
JC

660665 12-3-10
Checked treatment plant
exercised all equipment
Checked all UV stations
Pulled rags
Shawn is going over
by at noon if I turn
the plant on.
JC

660670 12-3-10
Could not turn
Plant on either
I got here. Flow
is still too heavy

Shawn

660820 12-4-10
Checked Plant
exercised all equipment
checked all LIFTstations
all is normal. Flow
to high: Saturday
Flooding.

660790 12-5-10
Check Plant
Emergency Power
Still Kicking on.
Shut off Fan
turned on heater
Plant still OK

660730 12-6-10 8:30am
Checked treatment
Plant, exercised all equipment
checked LIFTstations, turned
Plant back on. Cleaned up
all is ok.

Checked treatment Plant
exercised all equip
Flow to heavy turned
Plant off
JC

12-6-10
Check Plant
Flow to
heavy Plant off
Still SF

660786 12-7-10
Checked Plant
exercised all equipment
checked all LIFTstations
cleaned up. turned
plant on
Shane

660790 12-7-10
Checked treatment Plant
#5 doing good.
JC

12-8-10
Checked treatment Plant
exercised all equipment
Checked LIFTSTATIONS.
Pulled rags + set
to dry all is ok.
Plant Locked up.
Shane

12-9-10
Checked treatment Plant
exercised all equipment
Checked LIFTSTATIONS
Pulled rags + put in garbage
can. all is ok.
Shane

12-10-10
Checked treatment Plant
exercised all equipment
Checked all LIFTSTATIONS
Pulled rags + helped
guy weld up wall.
all is ok
SC

12-10-10
Met Kevin have to weld patches
in the digester. Helped him
do the Job. The leak has
Stopped.

660760 12-11-10
Checked treatment Plant
exercised all equipment
rained a little all is
ok. It rain heavy
will check again
later all is ok.

660936 12-11-10
Check Plant Due
to rain. All
still ok.

660960 12-12-10
Check Plant
Bulking solids
shut off Plant
at 1:36pm

660990 12-13-10
Checked treatment
Plant, exercised all
equipment, will sweep
building floor tomorrow
no Broom. All is ok
Plant still off.

12-14-10
Checked treatment Plant
exercised all equipment
Changed Cl_2 tank
Flow still to heavy
will have to keep
plant off.
SL

I swept water out
of building as well.
SL

12-14-10
Checked oil in
Blower. Greased
motors Blowers
+ Pumps.

12-15-10
Checked treatment Plant
exercised all equipment
Pump #2 not Pumping
+ wont prime. pulled
rags out of bar screen.
all is normal, swept water
out of building.
SL

Checked treatment plant exercised all equipment all ok
JC

66698 12-17-10
Checked treatment plant exercised all equip checked lits, all is ok. Flow real heavy Plant off.
JC

12-18-10
Checked treatment plant exercised all equip all is normal.
JC

12-19-10
Checks Plant Exercised Equip. Flow still very heavy Swept out bldg. Plant off.

661490 12-20-70
Checked treatment Plt
exercised all equipment
checked all LIFTstations.
Swept water out of
building. Pulled rags
out of barscreen. Flow
to plant is very low
emergency pump is kicking
off & on all else is
OK JS

661670 12-21-70
Checked treatment Plt
exercised all equipment
Checked all LIFTstations
Swept water out of building
Pulled rags & laid out. Pumps
are still going full blast.
all is normal.
JS

661900 12-22-70, 8:30
Checked treatment Plant
exercised all equipment
Checked all LIFTstations.
allowed skimmer to run.
Turned plant back on.
Going to get HTH to clean
plant with. All is OK.
Could not enter pit JL

12-22-60
Checked treatment
plant again since
I turned it on earlier.
all is OK.
Dave

661220 12-23-60
Checked treatment plant
exercised all equipment
Checked all ~~[illegible]~~
Pulled rags + put old
rags into dumpster. Cleaned
traps with HTH. Unclogged
clarifier skimmer. all is ok.

661232 12-24-60
Checked treatment plant
exercised all equipment
Checked all ~~[illegible]~~
all is OK. effluent
is clear. allowed skimmer
to run.
Dave

661246 12-25-60
Checked treatment plant
exercised all equip
all is OK.

0530 12-26-10.
Check Plant Exercised
Equip ok. Swept
out bldg.

0630 12-27-10
Checked treatment Plant
exercised all equipment
Checked all LIFTstations
Changed SL^2 & CL^2 cylinders.
Cleaned the clarifier
with HTH, Pulled rags
all is ok. Store
swept water out of buildings!

1230 12-28-10
Checked treatment Plant
exercised all equipment
Checked all LIFTstations
transfer line is clogged
I called Joe Murphy
to come fix it. Also
pulled rags out of return
aeration & bar screen all
is ok. Store

12-29-10
Checked treatment Plant
exercised all equipment
Checked all LIFTstations
Fixed in Plant & blower

& never the blower & turned it back on. When I checked the Cl_2 It has turned off so I turned it on. went around the building and the wet well was Full went into pump room & both pumps were turned off. I called Larry & told him all I had found. Cleaned plant up all is ok. Shane

6

66131 20 12-30-10 8:30am
Checked treatment plant & exercised all equipment Checked all LIFTstations turned plant off due to heavy rain. Pulled rags. Shane

66146 12-31-10 8:30am
Checked treatment Plant exercised all equipment put HTH in clarifier tanks Pulled bags out of basement aeration. Checked LS. all is normal. Swept water Turned blower & out of building on!

1-1-11
Checked Plant, turned
off, all ok

1-2-11
Check Plant
Exercised Equ.
Blower still off

1-3-11
Checked treatment Plant
exercised all equipment
Checked all liftstations
Swept water out of
building. pulled rags.
all is normal.

1-4-11 8:30am
Checked treatent Plant
exercised all equipment
Checked all liftstations
turned Plant back on
will check throughout
day. pulled rags, Swept
water out of building.

1/4/11 4:05

Checked treatment plant - found that the mechanical collector is not running and I can't get it going. Turned the blower off.

Turned the #2 pump off because it is not pumping! Effluent is clear.

Larry

661662 1-5-11

Checked treatment plant [illegible] checked all equipment [illegible] [illegible] water [illegible]

661686 1-6-11

Checked treatment Plant exercised all equipment pulled rags + set to dry Swept water out of Lab Office Checked LIFT Stations. All is normal. JC

1-6-10
Fixed Collector Rot
Plant back in
Service. 12:09

1-7-11
Checked treatment Plant
exercised all equipment
Checked all LIFT stations
Cleaned clarifier trays.
Changed CL^2 cylinders
Swept out building all
is ok. Shane

1-8-10
Check Plant
Exercised Equip
All Ok. Effluent
is Clear.

1-9-10
Check Plant
Exercised Equip
Ok. Effluent is
Clear

661732 1-10-11
Checked treatment Plant
exercised all equipment
unclogged skimmer by
backflushing it- allowed
it to run for awhile, Changed
Cl^2 cylinder. Checked all
lift stations. Pulled rags. all
is ok. Shane

1-11-11
Check Plant.
lots of Snow
Exercised Equ.
All ok. Effluent
Clear.

661750 1-12-11
Checked treatment Plant
exercised all equipment
Checked all Lift stations
pulled rags out ok for-
Screen & cleaned clarifier
baffles all is ok. Blower kicked
when I got here. Shane

661762 1-13-11
Checked treatment Plant
exercised all equipment
checked all lift stations
cleaned up, pulled rags
and allowed skimmer to run

1-14-11
Checked treatment plant exercised all equipment unclogged skimmer & allowed it to run. All is OK. Tailed tags. Effluent is clear.

1-15-11
Checked treatment plant exercised all equipment Checked all GFS cleaned up, all is OK

1-16-11
Check Plant
Exercised Equip
All OK Effluent
is Clear

1-17-11
Checked treatment Plant exercised all equipment Checked all GFS tested Plant A & recorded data. Cleaned of unclogged skimmer. All is OK. will be testing this week

1-18-11
Checked treatment Plant
exercised all equipment
Checked all LIFTstations
Cleaned clarifier tanks
unclogged skimmer.
Pulled rags & washed for
1 hr. all is ok.
JS

1-19-11
Checked treatment Plant
exercised all equipment
Checked all LIFTstations
Cleaned clarifier tanks.
Pulled rags from bar screen.
washed for 1 hour. Swept
water out of building
all is ok
JS.

1-20-11
Checked treatment Plant
exercised all equipment
Checked all LIFTstations
allowed skimmer to run
washed, Pulled rags all is ok.
JS

1-21-11
Check Plant
Exercised Equ.
All ok
Clear

1-22-11
Checked Plant
Exercised Equ
All ok. [redacted]

1-23-11
Checked Plant
Exercised Equ
All ok.
Clear

1-24-11
Checked treatment Plant
exercised all equipment
Checked all UV stations
changed Cl_2 Cylinder
tested & pulled rays
Cleaned chamber. Tested
Plant Lightly. All ok.

1-24-11

Worked on Pumps.
Got #2 Cleaned
and adjusted. It
works great now.
Put it in service.
Started taking #1
Pump out but have
to cut the Bolts
out. It is out
of service. DO NOT
TURN ON!
Will be back tomorrow
to finish taking it
out.

1-25-11

Checked treater + Plant
exercised all equipment
checked all UPS's
Pulled vac out of Low
screen wasted for 1
hour. Plant looks
good.

1-26-11

Check Plant
Electrical Equip
OK. Had to
Shut blower
off due to
heavy flow

1-27-11
Checked treatment Plant
exercised all equipment
Checked all LIFTstations
will try to turn Plant
back on tomorrow Flow
is still high.
SC

1-28-11
Checked treatment
Plant, exercised all equipment
checked all LIFTstations. Turned
Plant on. Will check again later
and will clean up.
SC

1-28-11
Checked treatment Plant
exercised all equipment
added HTH to trays
all is ok
SC

1-29-11
Checked treatment Plant
exercised all equipment
checked all LIFTstations
all is ok
SC

1-30-11
Check Plant
Exercised Equt
All ok. Effluent
Clear

1-31-11
Checked treatment Plant
exercised all equipment
checked all ~~[illegible]~~ stations
added HTH to tanks
changed SO_2 cylinders
walked creek trail
be having it cleaned
soon. I will be testing
the plant tomorrow.
all looks ok. Allowed
skimmer to run.
JS

2-1-11
Checked treatment Plant
exercised all equipment
checked all ~~[illegible]~~ stations
adjusted airdrops up
& turned skimmer on
to stay on. turned off
airdrop to digestor to
start ~~[illegible]~~ supernating.
Tested Plant & recorded
data all is normal.
JS

2-1-11 6pm
Had to turn Plant
off due to heavy
rain.
SG

2-2-11
Checked treatment Plant
exercised all equipment
Plant flow is real heavy
Checked all LiftStations
all Ok.
SG

2-3-11
Checked treatment Plant
exercised all equipment
Checked all LiftStations
Changed Cl² cylinder.
Flow is still heavy wait
to wait another day or
so before I turn it on.
SG

2-4-11
Checked treatment Plant
exercised all equipment
Checked all LiftStations
Pump is still running
Full blast. really wanted
to turn on today but
I am gonna wait

Checked treatment plant
exercised all equipment
It rained last
night. Checked all
lift stations flow to
heavy will keep off.
JC

2-6-11
Check Plant
flows still
heavy Plant
Off. Effluent ok

2-7-11
Checked treatment plant
exercised all equipment
Checked all lift stations
turned flow on for a
Hour and will be back
to check it. Washing!
JC

2-7-11
Checked treatment plant
exercised all equipment
turned off washing
Plant looking ok added
HTH to tanks will check
back soon.
JC

2-7-11
Checked plant, Steven turned off at 2pm.
JS

2-8-11
Checked treatment Plant exercised all equipment Checked all LIFTstations Ran to heavy will keep plant off. All else is ok. JS

2-9-11
Checked treatment Plant exercised all equipment checked all LIFTstations Pump 2 is not pumping something is Clogged in the inlet line. Pulled rags from bar screen. Emergency pump is keeping up ok all is ok Steven will be here in a few hours to look at the pumps.
JS

2-9-11
Back flushed pump 1 got working again. Sounded like it had something around the impeller Adjusted B.F.

2-10-11 8:45am
Checked treatment
Plant exercised all
equipment. Pump #2
still not working. I
got it pumping. Turned
Blower back on
DC

2-10-11
Checked Plant
all is ok. will
check again later
DC

2-10-11 3:30pm
Checked Plant
Turned off

2-11-11
Checked treatment
Plant Flow still
to heavy. exercised
all equipment. Refined
pump #2. All is ok
Checked UV status.
DC

2-11-11
Checked oil in
Blowers Greased
Motors Blowers
& Pumps

2-12-11
Checked treatment Plant
exercised all equip
all of the Flows to
high.

2-13-11
Check Plant
Flow Still
High Level
Low

2-14-11 8:30am
Checked Plant turned
Plant back on exercised
all equipment Pump #2
Still Not pumping right
I got it to pump.
Sure. Changed CL2 &
SL2. All is OK.

2-14-11
Checked treatment Plant exercised all equipment Plant is doing ok. will check again at about 7 or 8.
JS

2-14-11
Checked Plant exercised all equip all is ok.
JS

2-15-11
Checked treatment Plant exercised all equipment Checked all lift stations Pull HTH in chlorides traps. Pulled rags from barscreen. all is ok. Had to repline Pump #2.
JS

2-16-11
Checked treatment Plant exercised all equipment Checked all lift stations Put HTH in traps & lumped up Cl2. Pulled rags out of barscreen & pulled rags out of return. all is ok.
JS

2-17-11
Checked treatment Plant
exercised all equipment
checked all LiftStations
pulled rags out of barscreen
& aeration & set to dry.
cleaned clarifier troffs
& allowed Skimmer to
run. Primed #2 pump.
turned air off to digestor
to start supernating sequence.
SG

2-18-11
Checked treatment Plant
exercised all equipment
Checked all LiftStations
allowed Skimmer to run
Cleaned stuff of clarifier.
Reprimed #2 pump it's
getting harder to get it
to work. All is OK
SG

2-19-11
Checked LS & Plant
Exercised all equip
All is OK
SG

2-20-11
Check Plant
Exercised Equip
All ok

Checked treatment Plant
exercised all equipment
Checked all LiftStations
tested pH + recorded
data. Cleaned clarifier &
Separated JC

2-22-11
Checked treatment Plant
exercised all equipment
Checked all LiftStations
Chlorinator is messed up
don't know what happen.
Cleaned clarifier tests
all is ok
Shane

2-23-11
Check Plant
Exercized Equip
Adjusted Clz back
down to 15 All
ok Effluent clear

2-24-11 2:15pm
Checked treatment
Plant exercised all equip
Heavy rain. Plant off
JC

2-24/25-11
Set up Portable
Pump at 5t
at Plant. Sat
with Pump until
our Pumps could
handle the flow.
Set Pump up at
5:21pm on 2-24 Shut
Pump off at 11:38 pm
on 2-25

2-26-11
Checked treatment Plant
Exercised all equipment
Checked all LTS
Flow is to heavy -
all is ok

2-27-11
Check Plant
Exercised Equ.
All ok. Blower
Still off Heavy
flow.

2-27-11
Check Plant again.
All still ok

Checked Plant
Flow very heavy
May start Pumping
again Soon. 9:10 Am

2-27-11
Started Pumping
at 11:41 Am will
be Staying with
Pump.

6628820 3-2-11
Checked treatment Plant
exercised all equipment
Checked all ~~Chlorination~~
effluents clear.
JS

6629060 3-3-11
Checked treatment Plant
exercised all equip
Checked CLS
all is normal
JS

6629280 3-4-11
Checked treatment Plant
exercised all equipment
Checked all CLS. Changed
SL² Cylinder Flow still
heavy. will try to turn on
soon if no rain. JS
Pulled rags

3-5-11
Check Plant
& Sts Due
to Rain
Start Pumping
at Plant 9:54 Am
Shut Pmps off
at 8:43 Am on 3-6-11

3-5-11
Check Plant &
Sts again. All
Still ok.

3-5-11
Check Plant &
Sts Again. Pmps
Still Doing ok.

63920 3-7-11
Checked treatment Plt &
checked all equipment
checked all ~~LIFTSTATIONS~~
Pulled rags from bar screen
effluent clear. JS.

63126 3-8-11
Checked Plant & ~~LIFTSTATIONS~~
Raked mess up & disposed
of it. I am going to try

Checked treatment Plt
exercised all equipment
Checked all LIFTstations
Changed Cl_2 Cylinder
Cleaned up Fogs
+ Stuff
JC

3-8-11
Heavy Rain Had
Gas Pump going
at Plant. Someone
was with it
entire time.

663446 3-12-11
Checked plt,
How to heavy
Plant Remarks off.
JC

3.13.11
Check Plant
Exercised Eqp!
Blow heavy
Blower off

663973 3-14-11
Checked Plant + LIFTS
Its raining PRETTY good
Took rakes + barricades
to clean heaters back
to Base. All OK JC

3-14-11
Check oil in blowers
Grease all Motors
Blowers & Pumps.
Will be setting gas
Pump up Seen Due
to rain.

663920 3-16-11
Checked treatment Plant
exercised all equipment
Blowers off flow to heavy

663460 3-17-11
Checked treatment Plant
exercised all equipment

3-20-11
Checked treatment Plant
Exercised all equipment
Checked Lift Stations
Cleaned up all OK.

3-20-11
Check Plant Exercised
Equip All OK

663736 3-21-11
Checked treatment Plant
exercised all equipment
Checked all Lift Stations
Cleaned + raked up rest
outside building + Plant
down Line. added OTH
to clarifier tanks. Changed
SL2 cylinder. Allowed Skimmer
to run. All is OK

663752 3-22-11
Checked treatment Plant
Exercised all equipment
Checked all Lift Stations
Cleaned up at 2nd st.
Allowed Skimmer to run
here. Bag can to full
need help dumping it.
Effluent clear.

0376Bo 3-23-11
Checked treatment plant
checked all equipment
Checked all LIFT stations
pulled rags out of aeration
+ barscreen. Allowed skimmer
to run. Supernated out of
digester. All ok. expecting
rain IF it does FLL check
on it again SS.

3772e 3-24-11
Checked treatment plant
checked all equipment
Checked all LIFT stations
Superated for digester.
allowed skimmer to run.
all ok. Shaw

3784o 3-25-11
Checked treatment plant
checked all equipment
Checked all LIFT stations
return is almost all
the way clogged I used
a rag, hook + get it Floats
some I called Shaw.
They are gonna concrete
+ take the top off return +
get all that rag out. All is
ok. Ore

3-25-11
Fix Return. Turned
Blower back on
Also fixed #2
Pump & got it Pumping
Again

3-26-11
Checked treatment
plant, exercised all
equip all is ok.
JS

3-26-11
Checked treatment
plant. It is raining &
snowing all is ok
for now.
Shane

3-26-11
Checked Plant from
rain. All STM ok

3-27-11
Checked Plant.
Turned Blower
Off. 12:16 Bulking
Slick.

6840 3-28-11
Checked treatment Plant
exercised all equipment
Checked all ~~stations~~
will check plant tomorrow
+ probably turn on. JS

All out of Cl^2 I ordered
it last week and its not
here. Called Linde to have
here call + check on it
JS

8570 3-29-11
Checked treatment Plant
exercised all equipment
checked ~~stations~~
turned plant on.
changed Cl^2 cylinder
pulled rags + set to
dry all ~~at~~ will check
again later.
JS

3-29-11
checked treatment Plant
All is OK
JS

660/6600 3-20-11
Checked treatment Plant
exercised all equipment
Checked all LiftStation
allowed Skimmer to run
wasted. all is ok. Cleaned
up. JS

663890 3-31-11
checked treatment Plant
exercised all equipment
Checked all LiftStation
allowed Skimmer to run.
cleaned clarifier tanks.
all ok JS

4-1-11
checked treatment Plant
exercised all equipment
checked all LiftStation
all N ok cleaned up.
JS

663890 4-2-11
Checked treatment Plant
exercised all equip
checked all LiftS
all is ok
JS

4-3-11
Check Plant Electrical
Equip etc.

6690 4-4-11
Checked treatment Plant
exercised all equipment
Checked Lift Stations
Changed Cl_2 cylinder
Cleaned up. all is OK.

6698 4-6-11
checked treatment Plant
exercised all equipment
Checked all Lift Stations
Flow to heavy, Plant
is OFF.

6700 4-7-11
Checked treatment Plant
exercised all equipment
Checked Lift Stations
Flow to heavy to turn Plant
on. pulled rags from bar
screen

664050	4-8-11 Checked treatment Plant executed all equipment Checked all restaurant turned blower on will check again later SS
664050	4-9-11 Checked treatment plant executed all equipment checked LS. all is ok SS
	4-9-11 Turned Plant off. Due to Bad Storm + heavy flow. will Check gain late.
	4-9-11 Check Plant flow to heavy still.
	4-10-11 Check Plant turn Back on. will Check later to Make sure its ok

4-10-11
Check Plant again.
All ok. Checked
still ok. Plant still
on.

6911Co 4-11-11
Checked treatment Plants
exercised all equipment
Checked all Valves
allowed Skimmer to run
wasted For 25 min. All
is ok. Looks like rain
today. If so IL come
back. JS

4-11-11
Checked treatment Plant
Ponds today turned
Plant off for today
Rain. JS

6911Co 4-12-11
Checked treatment Plant
exercised all equipment
Checked all Valves
Cleaned up. Plant needs
Alot of work. JS

Cleaned 42 cy Under.
JS

Checked treatment PLC
exercised all equipment
checked all chemfeeders
cleaned up around
plant a little. All is off.

4-14-11
Started ~~[illegible]~~ installing
new Comp Pump.
will finish tomorrow

4-15-11
Finished installing pump
got it in service.
Also got clr pump
set up for rain.

4-15-11
Check from rain
all ok still

4-16-11
Check again all ok

4-16-11
Check Plant & SBs

4-17-11
Check Plant. Blower
Still off. All ok
though. Exclusive
Cloudy

4-18-11
Checked plant, Exercised equipment.
Flow still to heavy to turn plant
on.

4-19-11
Checked Plant
Exercised All
Equip all ok.
Turned Plant
On 9:20 Am. Exclusive
Cloudy

Rep #1 water pump. Had to pull section pipe and re-weld because of leak. After putting everything back together it was still leaking. Coming back tomorrow to finish

4-21-11
Checked treatment plant
Exercised all equipment
Checked all LIFT stations
Turned garbage can Full
Pulled more rags

Pulled Suction pipe off again and re-welded out and inside. Got it back together and RC Suction pipe started leaking out of flange. Had to cut pipe to get it out of wet well. Went and got new gaskets + 4" couplings. Put pipe back on-and got pump back in service. All OK.

664725 4-22-11
Checked treatment Plant
exercised all equipment
Checked all LIFTstations
Cleaned up + pulled
rags. raining.

664796 4-23-11
Checked treatment Plant
exercised all equipment
Checked all LS
Very heavy Flow
all of these.

4-23-11 – 4-26-11
Very heavy Storms. Checked
Plant & Sts every hour.
and a half for All of
those days. Emergency Pump
failed and had to use
Portable. Rec is putting in a
new one in the next few days

Stoke 4-27-11
Checked Plant
exercised all equipment
Came by to drop off
new emergency pump.
Pulled rags from bar screen.
Waiting on Shaun to set
back with pipe.
LC

4-27-11
Was here Rowling. Met Rec
and Pat in new Emergency
Pump. Got it in service.
14.7 Amps on 2 legs and
15.6 on the third. Able
to Shut gas Road down.

4-28-11
Checked treatment Plant
exercised all equipment
Checked all Instrumentation
adjusted emergency pump
floats. It was coming on
Water was below it.
Tried to change Cl2
but Chlorinator is messed
Called Steve to come
all is OK. Plant
needs good cleaning or

PEDIATRIC 1-24-11

Checked treatment Mat
exercised all equipment
Checked all Lift stations
Pulled fast fan up top
attack JS

4-29-11

Took dim Pump to runway.
Found #2 Pump had bad
motor. Got a new one and
replaced it. Also replaced
both Heats for Emergency
Pump and Step Heat for
self Primers

65798c 4-30-11

Checked treatment Mat
exercised all equipment
Pumps were not running
when I got here breaker
was partially tripped.
All else is ok. Restarted
breaker all is good now
pump running good.

Thank

5-1-11
Check Plant. Exercized
Eq.P. Pumps still
Running Sand. Flow
still way to heavy
to turn Plant on.
All Else ok

5-2-11
Check from rain
All ok

5-2-11
Check again from rain
All still ok

5-2-11
Grease all Motors
& Blowers. Check
oil in Blowers

6420 5-2-11
Checked Treatment
Plant exercised all
Motors, Checked
all C.T.S. all N.
pulled Rags from Grinders

Checked treatment Rx
exercised all equipment
checked all ADLs
very heavy flex today
all WNL

5-3-11
checked treatment Rx
exercised all equip
checked ADLs
all WNL

666780 5-4-11
Checked treatment Rx
exercised all equip
checked ADLs
all WNL

5-5-11
Checked treatment Rx
exercised all equip
checked ADLs
all WNL

66000 5-6-11 8:27am

Checked treatment plant exercised all equipment Checked all I.F.S. Pulled bags from bar screen Turned plant on. added 1 HTH to aeration. SC

5-6-11
Checked treatment plant again, everything is OK, effluent murky but hopefully will clear up tomorrow. SC

5-6-11
Checked treatment plant. everything is OK SC

5-6-11
Checked treatment plant exercised all equipment all is OK SC

66718.0 5-7-11
Checked treatment plant
exercised all equipment
Checked all LFS
Cleaned a little. All is
OK

5-8-11
Check Plant
Exercised All
Equip All OK.

665738.0 5-9-11
Checked treatment
plant, exercised all
equipment, cleaned
building out really
good. Pulled rags
from bar screen. Unclogged
Skimmer. All looks
OK. Checked LFS.

66766.0 5-10-11
Checked treatment plant
exercised all equipment
Checked all LFS stations
cleaned Chlorine tanks
& added HTH to them
All is OK. Pulled rags
Plant looks better.

5-11-11
Checked treatment plant
exercised all equipment
Checked all LFS
Cleaned up around
plant. All skimmer to
run. Supernated from
digester.

5-12-11
Checked treatment plant
exercised all equipment
Allowed skimmer to
run. checked all LIFTstations
cleaned up. all ok

5-13-11
Checked treatment plant
exercised all equipment
Checked all LIFTstations
Cleaned up. pulled
rags.

5-14-11
Checked plant
exercised all equip
Checked all LFS
everything ok

5-14-11
Checked treatment Plt
exercised all equipment
turned blower off
Fairbanks Morse will
turn back on tonight
if rain stops

5-14-11
turned Plt back
on Load dropped
on only had 1 set
of load rate for about
3 min. all OK

5-15-11
Creek Plant Exercised
All Equip All ok
rain today. Effluent
Clear

68222 5-16-11
Checked treatment Plt
exercised all equipment
Checked all GFs
pulled rags from bar screen
cleaned Clarifier troughs
Left Blower run. Cleaned
up all OK

5-17-11
Checked treatment Plant
exercised all equipment
Checked all LS.
Cleaned up + pulled
rags. all is ok.
JS

5-18-11
Checked treatment Plant
exercised all equipment
Checked all liftstations
tested Plant + recorded
all data. Cleaned up
Lightly raking. All is ok
JS

5-19-11
Checked treatment Plant
exercised all equipment
checked all liftstations
Brushed + cleaned clarifier.
Cleaned up trash around
Plant all is ok.
JS

5-20-11
Checked treatment Plant
exercised all equipment
Checked all LS.
Cleaned up rags + pulled
[illegible] all is ok

5-21-11
Checked treatment plt
checked all equip
Checked GTs.
Cleaned up. all is ok.
JS

5-22-11
Checked treatment plt
checked all equipment
Checked all GTs
all is ok
JS

5-23-11 8:10am
Checked treatment plt
checked all equipment
Pump checked again.
Checked all GTs.
Had to hose down rain
last night. Blower off.
JS

5-23-11
Checked Plant from rain found
#1 Self Primer motor going
bad. Went to quality &
got a new one. replaced
it. Also had to use
emergency pump at Both
lift sts. All ok at Plant.

5-23-11

Check Plant & Sts due to rain. Started emergency Pumps at Lift Sts.

5-24-11

Check again from rain. Set up Portable Pump at Zinn

5-24-11

Checked treatment Plant exercised all equipment, Cleaned blowers off.

5-25-11

Checked treatment Plant exercised all equipment Checked all LFS all is ok. Blower is off.

5-26-11

Checked treatment Plant exercised all equipment Checked all LFS. Pulled rags & sat to dry. all is ok. Blower is off.

5-26-11
Checked treatment plant
exercised all equip
Checked all lights
all ok
Blower off
JC

5-29-11
Check Plant
Exercized Equip
Blower still noisy
too heavy to
turn blower on

5-30-11
Checked treatment plant
exercised all equipment
pumps running full time
blower off. Changed Cl2
cylinder all ok
JC

5-31-11 Sun
Checked treatment plant
exercised all equip
Checked all lights
turned blower on.
Cleaned up added water
to troughs. JC

66203 6-1-11
Checked treatment plt
exercised all equipment
Checked all LIFTstations
Cleaned clarifier trofs
+ added HHH to them.
Changed SL^2 cylinder.
Swept building all
is ok. JS

6-2-11
Checked treatment plt
exercised all equipment
Checked all LIFTstations
Cleaned up clarifier
+ pulled rags + sat
to dry. all is ok.
Shawn

6-3-11
Checked treatment plt
exercised all equipment
Checked all LTS
Cleaned clarifier
trofs. pulled rags all
is ok. JS

6-4-11
Checked Plant Exercised
All Equip & Exhaust

Checked treatment plt
exercised all equipment
Checked all LS
Cleaned up
JS

6-6-11
Checked equipment all fine

6-6-11
Checked treatment plt
Checked all ~~[illegible]~~ stations
exercised all equip
Cleaned up all tracks
Backed Clarifier walks
JS

6-7-11
Checked treatment plt
exercised all equipment
Checked all ~~[illegible]~~ stations
Separated out digester
pulled rags - all OK
JS

6-8-11
Checked treatment Plant
exercised all equipment
Checked all LFS
Cleaned up clarifier,
tested Plant + recorded
data. All OK.

6-9-11
Checked treatment Plant
exercised all equipment
Checked all LFS
Cleaned up. Pulled
bags + sat to dry.
Changed Cl_2 + SL_2
Cylinders + adjusted
Feed. Looked at creek.

6-10-11
Checked treatment Plant
exercised all equipment
Checked all LFS
Cleaned up stuff off
Clarifier. All is OK
effluents clear.

6-11-11
Checked treatment Plant
exercised all equ
Checked LFS

Checked treatment Plt
exercised all equipment
Checked all LS
all N ok.

6-13-11
Checked Plant Exercized
Equip. Need to tighten
Belts on #2 Blower.
All else ok. Effluent
is clear.

6-13-11
Checked treatment Plt
exercised all equipment
Checked all LS
Cleaned up Clarifier
Brushed walls. Will
Clean up Yard tomorrow
also will cut Plant grass
on Plant. Swept Walkways

6-14-11
Checked Plant. Exercized
All Equip All ok.
Adjusted float level
for Self Primers.
Effluent is Clear.

6-15-11
Check Plant Exercised
All Equ.P. All ok.
Storm this morning
not bad. Blower
is still on. I found
able to keep up
with extra flow.
let Skimmer run.
Effluent is clear.

Shawn

6-16-11
Checked treatment Plant
exercised all equipment
Checked all I+S
Cleaned up Plant
pulled rags from
bar screen. Cut Plants
Hanging over bar screen
+ Sat on dumpster. All
is ok SS

6-17-11
Checked treatment Plant
Exercised all equipment +
Checked all I+S
tested Plant + recorded
data. All is ok

Check Plant.
Exercised All Equip
Shut Blower off
due to heavy rain.
Effluent Cloudy

6-18-11
Check Plant Flow
still too heavy
for Blower. All
Equip ok.

6-18-11
Check Plant again
Blower still off

6-19-11
Checked Plant Exercised
Equip more very heavy
rain Blower still ok.

6-20-11
Checked treatment Plant
exercised all equipment
Checked Chlorinator.
Blowers still off
heavy flow.
86

6-21-11
Checked oil in Blowers
greased All motors
& Blowers with
fittings. Also took
inventory of the
belts, motors, blowers,
pumps, and filters that
are in service.

Shaw

6-21-11
Checked treatment Plant
exercised all equipment
checked all LTS.
Changed the
SL² cylinder. Plant
Lost ok. Heavy flow
Blower off. JS

6-22-11
Checked treatment Plant
exercised all equipment
Checked all LTS
Both pumps running
Flow to High to turn
on, will try tomorrow.
effluents meet. JS

6-23-11
Check Plant + Sts from rain All ok

6-23-11
Checked Plant + Sts Again All Still ok. Not using emergency Pumps anywhere.

6-23-11
Checked Plant + Sts exercised all equipment Cleaned bar screen + pulled rags out from underneathe + + set to dry. Will try to turn blower on tomorrow pumps running Full time. Had heavy rain last night. JS

6-24-11
Checked Plant + Sts exercised all equipment both pumps running. Need to get Plant going so will turn on + check again later. JS

PS -

6-24-11 continued
tried turning on but
return was clogged
So I reported to Larry
+ we are gunna test
the blower off Hill tomorrow
+ have Shawn + David
work on. It wasted
for about 10 min. JG.

6-25-11
Came by to work on
Return. Had to use
test ball to backflush.
Wasted heavy Sludge for
about 25 mins. will
be back later to Check
again.

6-25-11
Check Plant again
All Still ok

6-26-11
Check Plant Exercised
Equip. Plant ok Dive
to rain/ Storms. Effluent
is Cloudy.

6-27-11
Checked treatment Plant exercised all equipment Checked all LIFT Stations pumps running full time will try to turn on tomorrow. [redacted] calling for bad weather today. JS

6-28-11
Check Plant Exercised Equip Flow still a bit too heavy to turn blower on. All else ok.

6-28-11 4:20pm
Going to try to turn plant on. Pulled rags from barscreen will check on later. JS

6-28-11 [redacted] 630pm
Fixed return & got Plant on all is ok.

6-28-11 9pm
Checked plant all is ok. JS

6-29-11

Checked plant exercised all equip all is fine.

6-29-11
Checked treatment plant exercised all equip Checked all UV stations added HTH to clarifier tanks & allowed to set could not wash the walls left my keys at Hillridge. Changed SL2 tank all OK SC

6-30-11
Checked treatment plant exercised all equipment Checked all UV's. added HTH to clarifier tanks & brushed tanks all OK plant running good SC.

669878c @ 7-1-11
Checked treatment plant exercised all equipment Checked all UV stations added HTH to tanks

Checked treatment plt
exercised all equipment
Checked all LS
Cleaned up SC.

7-3-11
Checked treatment plt
exercised all equip
checked LS
all OK SC

7-4-11
Check Plant
Exercized Equip
All OK

7-5-11
Checked plant
exercised equip
all OK

6600 7-5-11
Checked treatment plt
exercised all equipment
checked all LS stations
pulled rags + placed
in bucket. Brushed cobwebs
walls + added bleach to
troughs all OK SC

669270 7-6-11
Checked treatment plant
exercised all equipment
Checked all LS's
Cleaned up clarifier.
Changed Cl^2 cylinder
all is ok tested plant
& recorded. SC

669300 7-7-11
Checked treatment plant
exercised all equipment
Checked all LS.
Cleaned up clarifier
floats. all is ok.
SC

7-7-11
Checked plant
exercized all equip
all OK.

7-8-11
checked plant
exercised all equip
all OK

669960 7-8-11 2pm
Checked treatment
plant + LS. turned
blower off.
SC

66

1-9-11
Checked Plant Exercised
Equip Blower still
off

7-10-11
Checked Plant. Exercised
All Equip Turned
Blower on 7:00 Am
Will be back later
to Check.

7-10-11
Checked Plant. Exercised
Equip All ok Blower
Staying on.
C

7-11-11
Checked Plant. Did
Equip Check All
ok.

6015%

7-11-11
Checked treatment Plant
exercised all equipment
Checked all GFS.
Cleaned up
All is ok.
SF

7-12-11
Checked plant
exercised all equipment
all ok

1620 7-12-11
Checked treatment Plant
exercised all equipment
Checked all Clarifiers
pulled rags from Screen
cleaned Clarifier troffs
all ok JS

7-12-11 3:45pm
turned blower
off Leave rack
JS

7-13-11
Checked treatment
plant walked creek
Checked lifts cleaned
up around plant pumped
wouldn't prime I got
it all work
JS

1420 7-14-11 4pm
Checked treatment Plant
exercised all equipment
Cleaned all lifts

6

Check treatment plant after turning on. All is OK

7-15-11
Checked treatment Plant, exercised all equip. Checked all LS. Cleaned up, added bfff to tanks all is OK JS

7-16-11
Checked treatment plant and all litt stations. Exercised all cleaned up around plant cleared bar screen. All is OK
David

7-17-11
Checked treatment plant. Checked all litt stations exercised cleared bars screen cleaned up plant. All is OK
David

7-18-11
Checked treatment plt
exercised all equipment
Checked all WTP staff
tested plt + recorded
data. Cleaned clarifiers
Changed CL2 tank

7-19-11
Checked treatment plt
exercised all equipment
Checked all WTP
Cleaned up.

7-19-11
Checked Plant from
Bad Storm Blower
off 9:26 pm AM
Found Both Self
Primer Pumps turned
off By the Switch.
Turned them Back
on.

7-20-11
Checked treatment plt
exercised all equipment
Checked all WTP staff
plt still off

Cheacked treatment plant
exercised all equipment
Blower still OFF

7-21-11
Checked treatment plant
exercised all equipment
Blower still not on.

7-21-11 4:40 pm
Checked treatment PLT
exercised all equipment
Checked UV system
Cleaned up. turning
blower on will check
back later. JG

7-21-11
Creek is getting
cleaned soon
JG

7-22-11
Checked treatment PLT
all is OK
JG

7-22-11
Checked treatment plant
exercised all equipment
checked all LIFTstations
cleaned up clarifier
+ added HTH to tote.
Creek is clean. JS

7-23-11
Checked plant + LIFTS
exercised all equip
all ok JS

7-23-11
Check Plant Exercized
Equip All ok. . .

7-24-11
Checked treatment
plant, exercised all
equipment, checked all
LIFTstations. Cleaned
up. will test tomorrow.
all is ok JS

7-25-11
Checked treatment plant
exercized all equipment
all is OK

7-26-11
Checked treatment plant
exercised all equipment
Checked all LFS
Cleaned up. will test
tomorrow.

7-27-11
Checked treatment plant
exercised all equipment
Checked all LIFTstations
cleaned up. unclogged
timer. Tested Dc.
Washed clarifier walls
all is ok

7-28-11
Checked plant exercised
all equipment. Checked LFS
all is ok.

7-29-11
Checked treatment plant
exercised all equipment
Checked all LFS
Cleaned up. all is ok
effluent is clear

7-29-11
Checked treatment Plt
Exercised all equipment
Checked all LTS
Cleaned up. all N
ok.
SC

7-30-11
Checked Plant
all dr ok.
Cleaned
SC

7-30-11
Check Plant
& Sts from
heavy Storm
All ok

7-31-11
Checked Plant.
Exercised all
Equip all ok
Ekd/west is
Clear.

670786 8-1-11
Checked treatment Plt
exercised all equipment
Checked all LTS
Non-op

Checked treatment plt
exercised all equipment
Checked all LS
Cleaned barscreen
Cleaned up around
plt. all is ok. will
trim plants growing
on bank tomorrow.

8-3-11
Checked treatment plant and
an lift stations. Exercised
all equipment. Cleaned barscreen
all is OK.

8-3-11
Checked plt due
to rain.
all is ok

670230 8-4-11
Checked plt + LS
exercised all equipment
Cleaned up around plt
all is ok. plt load good.

670420 8-5-11
Checked plt + LS
exercised all equipment
Cleaned up tested plt

6-6-11
Checked treatment Plant
exercised all equip
Checked CRS.
Cleaned. SC

8-7-11
Checked Plant from
heavy Storm. All
ok Now. 3:23 Am

8-7-11
Check Plant & Sts
Exercised All Equip.
Had to Shut Blower
off 8:18 Am was
losing Solids now.
will Check back
later to try to
turn back on. Pumps
and other equip ok.
No pumping at lift
sts yet.

8-7-11
Check Plant again.
Flow still a bit
heavy left Plant
off

6

8-8-11 8:25am
Checked treatment Plant
exercised all equipment
Checked all LTS
turned blower on.
Cleared up. JG

8-9-11 8:30am
Checked treatment Plt
Cleared Clarifier tanks
& turned skimmer on.
Cleaning Creek. Checked
all LTS. all is ok.
JG.

8-10-11
Checked treatment Plt
exercised all equipment
Checked all LTS.
Cleared Clarifier up.
waited for Town. all
is ok. JG.

8-9-11
Checked oil in Pumps
Greased motors Pumps
Mnt.

8-11-11
Checked plant + GAS
Cleaned up. all
is ok. JC

8-12-11
Checked treatment plant
exercised all equipment
Checked all GAS.
Cleaned plant.
Cleaned clarifiers
+ pulled rags. trimmed
bush growing on plant
all is ok. JC

8-13-11
Checked plant + GAS
Cleaned up.
Exercised all equip
all is ok JC

3-13-11 6:30pm
checked plant after
hard rain. All is
ok. will check again
later JC.

3-13-11 6:30pm

6

[illegible]
Checked [illegible]
[illegible]
is [illegible]
else ok.

8-14-11
Checked Part 1 & 2
Backwashed the Carbon
Blower back on
8:45 Am ok.
Will Check again
later to make sure
were not losing any
Solids.

8-15-11
Checked treatment Plant
exercised all equipment
checked all LTS.
Cleaned up plant.
all is ok. JS.

8-16-11
Checked treatment Plant
exercised all equipment
Checked all LFT
Cleaned Clarifier
all is ok. JS.

8-17-11
Checked treatment plt
exercised all equipment
Checked all LTS.
Cleaned up. Superated
all ok. JS.

8-18-11 8:30 AM
Checked treatment plt
exercised all equipment
checked all LTS
cleaned up. tested
all ok JS

P.S. turned blower off
For a bit because of
rain storm will
check back at 12pm
and if the rain has
stop he will turn it
back on. JS.

8-19-11
Checked treatment plt
exercised all equipment
checked all LTS
Superated & cleaned.
All ok. JS

6

8-20-11
Checked treatment plant
exercised all equip
Checked all GFs
Cleaned

8-21-11
Checked plant
Exercised all
Equip. off at
Effluent Pump.

8-22-11
Checked treatment plant
exercised all equipment
Checked all GFs
Cleaned bar screen.
Separated, Changed
Cl2 tanks, all ds

8-23-11
Checked treatment plant
exercised all equipment
Checked all GFs.
Cleaned of wasted Sludge
+ Separated.

8-24-11
Checked treatment plt
Exercised all [redacted] equipment
Checked all UTS.
Brushed clarifier tanks
Started working on cleaning
Building need dust pan.
Cleaned up. All N ok
SS

8-25-11
Checked treatment plt
exercised all equipment
Checked all UV status
Wasted for 30 min. Superated
for 7 hour. Pulled bags
& dumped all cans on
top of tank into dumpster
Cleaned clarifier tanks.
Cleaned basscrea.
Swept out & cleaned
building up. All is ok
SS.

8-26-11
Checked treatment plt
exercised all equipment
Checked all UV
Cleaned rags off ladge
Cut down trees. Cleaned
rest in clarifier. Swept
off top & in buildings. Ca

8-26-11
Checked treatment plt
exercised all equipment
checked all GFI
SC

8-29-11
Checked treatment plt
exercised all equipment
Checked all GFS.
Cleaned troughs. Cleaned
basscreen. Washed &
Superwashed. Swept building
out. All is OK
SC

8-30-11
Checked treatment plt
exercised all equipment
Checked all GFI
Cleaned up all is OK
SC

8-30-11

Made gasket for return
+ sealed the leak
also put wires in
wire trough where
Shane Cdreas had
taken them at.

8-31-11

Checked treatment plt
exercised all equipment
checked all LTS
tested plt + recorded
data. all WAS OK. JS.
Cleaned tanks
Had to reset breaks to pumps
+ locked?

670925 9-1-11

Checked treatment plt
exercised all equipment
checked all LTS.
Cleaned up. all W
OK. JS.

9-2-11

Checked treatment plant
exercised all equipment
Checked all LTS
Cleaned up. all OK
OK. JS

9-4-11
Checked treatment plant
exercised all equipment
Checked all lift stations.
SC

9-4-11
Checked Plant.
Exercised Equip
All OK

9-4-11
Check Plant, from
Rain. Had to
Shut Blower off
10:46 Am

9-5-11
Checked Plant. Changed
Cl2 tank. Turned
Blower back on
10:20 Am. Will Check
again later to make
Sure blower can stay
on.

9-6-11 9:10 am
Checked Plant + Lift
turned plant off due
to heavy rain will turn
back on later if stops.
all is ok. SC

9-7-11
Checked Plant
LFS. exercised all
equipment. Flow to leave
Plant off.

9-8-11
Checked Plant. Exercised
All Equip. Turned
Blower on 7:44. Shane
or I will be back
later to check Plant
again.

9-8-11
Turned Blower back
off 5:06 PM due
to Rain.

9-9-11
Checked treatment Plant
exercised all equipment
Checked all LFS
pump is running all the
time Flow still to leave
blower off. It's not raining
today yet. JC. Swept
building.

9-9-11
Put new Sheaves & Bushings on #2 Motor & Blower. Now able to run Both Blowers at Same time

9-10-11
Checked Plant & LFS elected all equipment turned blower on at 2:38am. All N OK. EG.

9-10-11
Checked Plant Had to turn back off at 3:25pm EG

9-11-11
Checked Plant. Pumps Still running Constantly left Blower off

9-12-11 9:25am
Checked treatment plt
exercised all equipment
Checked all GFS
turned blower on at
9:25am. added a dose
of HTH to aeration.
added HTH to tanks
+ brushed them. waited
for Jenn. Checked creek
+ called Bullitt co.
Septic to come clean
+ tomorrow. all N ok
JC

9-12-11 1pm
Checked plt again
all is ok
JC.

9-12-11 6:30pm
Checked plt
all is ok.
JC

9-13-11
Checked treatment plt
exercised all equipment
Bullitt co Septics cleaned
the creek today. I cleaned
the clarifiers + tanks. pulled
bags + cleaned up. all is

9-14-11
Checked treatment plant
exercised all equipment
Checked all of
tested plant recorded
data all is OK.
JS.

9-14-11 10:40pm
turned plant off
Due to rain. Supposed
to get up to 1 Inch
or more.
JS.

9-15-11
Checked treatment plant
and lift stations. Exercised
all equipment all OK. Cut
knotch in digester wall so
it wont overflow. Plant
still off.

9-15-11 6:30pm
Checked to see if
we could turn on.
Pumps still running full
time. Keeping it off
till tomorrow.
JS

9-16-11
Checked treatment plant
exercised all equipment
Checked all LTS.
Working to turn the plant
on. 8:30

9-17-11 7:40am
Checked treatment plant
exercised all equipment
turned plant on at
7:40am 8:30

9-17-11 3:30
Checked plant turned
back off.

9-18-11
Checked Plant. Turned
Blower on. Exercised
Equip. will Check
again later.

9-18-11
Checked plant
Turned blower off
11:40 pm

7-17-11
Checked treatment plt
exercised all equipment
Checked all LTs
Changed Cl^2 tanks

9-20-11
Checked plt + LTs
exercised all equipment
Checked all LTs.
Checked Cl^2 + adjusted
feed. pumps still running
Full tire. Off
SS.

9-21-11
Checked treatment plt
exercised all equipment
Checked all LTs
Both pumps running
Full tire right now
rained last night.
Plant Has to stay off
SS.

9-22-11
Checked plt + LTs
exercised all equipment
1 pump running full
time the other is cycling
on + off. all is off
SS.

9-22-11, 4pm
Checked treatment plant
exercised all equipment
pulled rags out of
aeration. Brushed + cleaned
Clarifier walls, added
1 Drum HTH to aeration.
Turned plant on at
4pm. wasted for 1 hour.
all ok. Shane + Larry

9-22-11 6:20 pm
Checked plant,
Return is clogged
So I turned waste
valve on + called
Shawn he said he
will be over soon

9-22-11
Got Return
working again.

9-24-11
Checked treatment plant
exercized all equipment.
Checked all lift sts
all ok + still off

9-22-11 5:30pm
Checked Plant
all OK. JC

9-23-11 5:35am
Checked plant Due
to rain off

9-24-11 ← 9-25-11

Checked treatment plant
exercised all equipment
Checked all UPS all o/c

9-26-11
Checked treatment plant
exercised all equipment
Checked all UPS
Plant is very Full
both [redacted] pumps running
all is off. JC

9-27-11
Checked treatment plant
exercized all equipment
Checked both lift stations
Plants level went back down
and is not as high.
All OK. still off

9-28-11 8:25am
Checked Plant + Lift stations. turned Plant on at 8:25am + started washing will be back soon. all is ok. JS.

9-28-11
Checked on Plant all is ok Decanting will be back soon.
JS

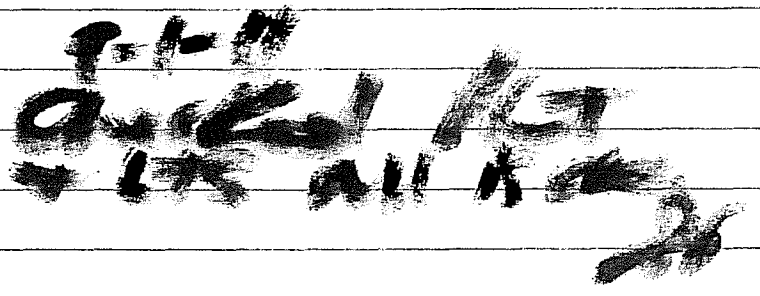
9-28-11
Checked on plant Decanting + washing all is ok. JS.

9-29-11 12:30pm Plant on
Checked Plant Cleared order turned plant on Cleared up. JS

9-29-11 noon
Checked Plant all is ok Light rain
JS

10-6-11

Checked treatment plant & lift stations exercized all equipment all OK Blower still running good



10-6-11

Checked treatment plant and lift stations. Exercized equipment all OK Effluent clear

671650 10-3-11

Checked treatment plt exercised all equipment Checked all GFI turned water line off. Cleaned clarifiers. Everything looks good.

671755 10-4-11

Checked Plt + LS exercised all equipment Cleaned clarifiers took measurements for Sewer. All is ok.

Changed air Release valve. Checked amps on each blower. Blower #2 amps are right where they shouldbe. Blower #1 still pulling higher amps but has come down alot, left both blowers in service.

David

10-4-11
Tried to extend the Airvalves out into the MI tank to stop water from splashing over Clarifier wall. It made it worse. Put everything back like it was found bad float making pumps short cycle. Replaced bad float. 2 blowers in service.

10-4-11
Checked Mt Blowers

Checked Plt
exercised all equip +
Checked all LTS.
Cleaned up.
Blues were locked
when I got here - I
got #1 blues working
#2 feels locked up?
all else NOK
SS.

10-6-11
Checked Plt + LTS
exercised all equip +
Cleaned up, Tested,
Transfer lines flagged,
all else OK SS
Relocked down

6

10-6-11 6pm
Checked treatment Plt
me + David unclogged
the transfer line +
got the level down
all NOK Blues [redacted]
still in service all NOK
SS

6

10-7-11
Checked treatment plt
exercised all equipment
Checked all LFS.
Brushed clarifier walls
+ Pulled rags from
bar screen. all N ok

10-8-11
Checked plt + LFS
exercised all equipment
Cleaned up

10-9-11
Checked treatment
plant exercized all
equipment. Checked
lift stations. All OK
effluent is clear
David

10-10-11
Checked treatment
plt, exercised all
equipment cleaned clarifier
adjusted airdrops. transfer
line N clogged again. all
is ok.

10-11-11
Checked plant
cleaned

10-12-11
Checked plant
cleaned
chlorine

10-13-11
Checked treatment Plt
exercised all equipment
Checked all LFS.
exercised all equipment there.
Cleaned up. Raining today
boat plant is doing ok.
Pumps are cycling. effluents
clear JS

10-13-11
Put new Butterfly valves
and gaskets in for
#'s 1 & 2 Blower. Got
both on, and both
Blowers in back together.
David

#194
#273

10-13-11
Plant off
from Rain 8:12 Pm

10-14-11
Checked Plant FLTS
will come back later
to turn on Hopefully.

10-14-11
Check Plant
turn on 6:57 Pm
will Check
later

10-14-11
Check Plant
All ok. 9:40 Pm
Blower on Still

10-15-11
Checked Plant
FLTS exceeded all
equal all ok

10-15-11
Checked on Blower
Still running fine
David

10-15-11
Checked treatment plant
exercised all equipment
Checked all GFS
Blower was reset
when I got here
I reset it + adjusted
air drops for more
air to aeration. cleaned
up. all ok
SC.

10-16-11
Check Plant
Exercised Equip
All ok

10-17-11
Checked treatment plant
exercised all equipment
Blower was locked
again so I reported
it to Sharon. Cleaned
up. will check on again
Sun. SC

10-18-11
Checked treatment plant
exercised all equipment
checked all GFS
Cleaned up
Blower won't Reset?
Off for now

10-18-11

Worked on Blower.
Found it Pulling 80+
Amps. Bypassed overload
Wired Straight to Breaker.
Pulling 79-80 amps now.
Found 1 Contactor/overload
wire burnt. Will Replace
that later. Blower #1
in Service as of now.

10-18-11
Checked Plant
MM

6-19-11
Checked Plant + GTS
Exercised all equipment
Cleaned up, Left
Blower Fan. Running
All is OK

10-19-11

Pulled old #1 motor
& Installed new one.
Also ran new wire
from Panel to motor.
It is Pulling 66 Amps
& is rated for 71.2.
Also Started to Pull #2
Blower. will finish that
tomorrow. left tools here.

Blower #1 is now in Service
Clean
10/19/11

Check 1 low 1 12 lower
Again Ball dc.
Blower Still on

10-20-11
Turned blower #1 off 8:44am went and got new bushing + Key-way for motor #2. Found bearing cap loose on Blower tightened it back up + put groese in. Got blower running. Tried to run both at the same time. Burnt up belts. Plant still off due to heavy flow.
David.

10-22-11
Checked Plant
Both pumps Randys
will not turn on
SG.

10-23-11
Check Plant Pumps
Still Running Constantly
left Blower off.
Will Check again later.

10-23-11
Check Plant Pumps
Still Running. Blower
Will Check again
tonight

10-23-11
Checked Plant
Aeration Rotors Still
Running Constantly
Blower on at 10:39am

10-25-11
Checked plant
Turned Blower on
at 11:46am.
David

10-25-11
Checked treatment Plant
exercised all equipment
added 3/4 Drum of
MH to aeration. Put
MH in clarifier troughs.
all Ok. will check
back soon. JC

10-26-11
Checked treatment Plant
exercised all equipment
Checked ats.
Cleaned up. JC.

10-28-11
Check Plant from
rain All ok.
Blower on.

10-26-11 7:00 pm
Checked plant
Due to rain...
all N ok. JG

[redacted] 10-26-11
turned plant off
Shawn

10-27-11
Checked plant, exercised
all equipment, very
heavy flow. JG

10-28-11
Checked treatment plant
exercised all equipment
Checked all ~~WATTATIONS~~
Pulled rags from bar screen
+ ~~WATTATION~~ to dry. Swept
out blower building. All is
ok. JG. Blower is still
off Due to heavy flow!

10-29-11
Checked treat plant
exercised all equipment
Heavy flow. Should be
able to turn on tomorrow.
JG

10-29-11 2:20pm
pumps switching OFF
+ on so I manually try
to turn it on. Plant
on. DC

10-29-11
Checked plant
after turning blower
on. All OK.
David

10-29-11
Checked plant again
loosing solids. Turned
blower back off. 7:20pm
David

10-30-11
Checked Plant
Exercised Eq.
Pumps are having
to run for quite
a while before
they shut off. Then
they short cycle.
leaving blower off
for now. will
Check later

10-31-11
Checked treatment plant
checked all equipment
checked ATS.
Both pumps running
at all times. will leave
plant off. JS

11-1-11 11:20am
Checked plant & ATS
checked all equipment
turned plant on.
cleaned clarifier
troffs. unclogged return.
pulled rags from aeration.
all ok. JS

11-2-11
Picked up HTH for
plant care back
& cleaned up JS

11-2-11
Checked treatment Plt
exercised all equipment
Checked all LTs.
Cleaned up some tested
all ok. SS

11-3-11
Checked treatment Plant
exercised all equipment
Checked all LTs.
Wasted cleaned up.
Dropped off HTH. SS

11-4-11 ⊛ 11-3-11 David Stop by turned Didn't Have pen off at 10:30 am Due to rain
Checked treatment Plt
exercised all equipment
Checked all LTs Fixed
water line leaking in
Cl2 room. Both pumps running
hard. SS Plant off shut

11-5-11
Checked Plt + LTs
exercised all equipment
Hose broke on Cl2 line
+ flooded the building. I

Check flow
Exercised Equip
Both Pump Still
Running full time
left blower off
Will Check again
later.

11-6-11
Check plant again.
Pumps still running
All the time.
Blower off

11-7-11 8:10am
Checked treatment plant
exercised all equipment
turned plant on. pulled
rags from screen. Cleaned
up. Bullitt County
Septic will be cleaning
the ~~creek~~ soon. All is
ok. will check back soon
Dave

11-7-11
checked plant after
turning blower on.
So far everything is OK
David

11-7-11 6:15pm
Came back to check
again had to turn
blower back off. David

11-8-11
Checked treatment plt exercised all equipment Checked all LiftStation cleaned treatment plt. Had creek cleaned today turned plt on at 9:30 am. Hosed down plant + wasted quite abit. Still on steady slow wasted. Headden care + tack 2 Loads out of digester. Bullitt Co. Septic Cleaned creek. Cleaned building. Repair pumps. all is ok. effluents clear. JG

11-8-11 → 7:30pm
Checked treatment Plant again. all looks ok. effluent is clear. Peak flow time and 1 pump is keeping up great. JG.

11-8-11
Checked plant
all OK

11-8-11
Checked plant
again all still OK

11-8-11

Checked plant again. Still ok little [illegible] on [illegible] equal. [illegible] still [illegible] to [illegible] back to [illegible] back [illegible] [illegible] [illegible] ok will check in the morning.

11-9-11

Checked treatment plant exercised all equipment all looks ok. Still wasting

[signature]

11-9-11

Checked plant cleaned up a few little things around plant. Still wasting effluent Clear.

David

11-9-11

Checked plant + lift exercised all equipment Lightly Cleaned up all is ok. Still wasting on a slow steady waste. all is ok. efflients clear.

[signature]

11-9-11 6:35pm
Checked plant
All N ok JS

11-10-11
Checked treatment plt
exercised all equipment
checked all lifts.
Cleaned up. All N
ok JS

11-10-11 6:30
Checked plant
All N ok keeping waste
going JS

11-11-11
Checked treatment plt
exercised all equip
Checked all lifts
Cleaned up JS
Tested + recorded data JS

11-12-11
Checked treatment plt
exercised all equip
Checked lifts,
All N ok JS

Came by to put Chem
on Air line for
Return. Got it Cleaned.
Will Check later
to make sure it's
ok.

11-12-11
Check Air line
Again All ok.
Left waste on
Still Coming out
Clear

11-13-11
Check Plant Return
Stopped up. Called
David to help
Had to pull entire
Air line out
Got big ball of
rags out. Return
working again. Started
waste. No more
Sediment Coming out.
Effluent Still Clear.
Will Check again
later.
Shawn

11-13-11
Check Plant Make
Sure return Still
working all dd.

11-14-11
Replaced Silencer on
air header with
straight 8" pipe. Got
#1 blower back in service
#2 blowers bearing blew
apart. Everything else OK.
David

11-14-11
Blower off from Rain
10 Pm.

11-15-11 2:10 Am
Check Plant +
Sts Again. Emergency
Pump here is running
but no bypassing.
May have to Set
up Portable Pump.

11-15-11
Pulled Blower #2
took to Republic
Pneumatic. Did not
have to set up
Portable Pump last
night. Emergency Pump

11-16-11
Checked treatment plant
checked all equipment
Checked lift stations
Still raining, plant effluent

11-17-11
Checked plant + lift stations
checked all equipment
Checked lift stations, @ plant
is still having a very
hard time keeping
up with flow. JC

11-18-11
6768320 Check plant. Checked
Equip. Flows still
Heavy. Both main
Centrifuges running
Plant Effluent

11-19-11
Checked plant
checked all equip
turned plant on at 2:40pm
all is ok JC

Waste valve rattles
itself open from silencer
being taken out. JC

11-19-11 5:35pm
Checked Plant
all is ok!
SC.

11-19-11
Checked Plant after
Twin Power or
had to turn Back
off. 8:45
David

11-20-11
Pumps running All
fine. Flow heavy
Blower still off
All else ok. will
keep eye on Plant
+ Sts.

11-20-11
Check Plant +
Sts Again. Pumps
doing ok. Flow
Very heavy

11-21-11 8:15am
Check Pumps
& Sts Again
Pumps doing
good.

11-21-11

Checked plant exercised equipment. All O.K. Changed out valves on sludge return line & digester waste line.

David

11-22-11

Checked Plant & Lift Stations very Heavy flow. Readings - 80

11-22-11

Been Checking lift sts through the night. Using Portable Pump at Z.i.Z. Also installing new #2 Blower today. May have to set up Portable Pump here at Plant. David has been staying here while I run to other Plants.

11-23-11
Checked treatment plant
exercised all equipment
Checked GFS. Flow
Heavy SS

11-24-11
Check Plant. Exercised
Equip. Pumps running
Full time. Blower off

11-26-11
Checked plant.
exercised all equipment
Checked all GFS.
Blower off ~~[illegible]~~ WKL
try to turn on tomorrow AM
or monday.
SS

11-26-11
Check Plant ↓
Sts from Rain
All OK.

11-26-11
Check Plant & Sts
Again All still ok
Blower off

11-28-11
Checked plant + LTs
exercised all equip
changed SL2 tank.
Very Heavy flow +
raining. Plants off. SS
all pumps going!

11-29-11
Checked plant + LTs
exercised all equip.
very heavy flow.
plants off. SS.

12-7-11
Checked plant
exercised all equipment
Checked all LTs
turned plant on at
8:30am. all ok
SS.

12-1-11
Came back to check on
plant. Doing ok so
far. will come back
again later.
Darrel

12-1-11
Checked plant again
All still doing OK
David

12-1-11 5:30pm
Checked again
all OK
Basket Has Been
out of other blower
will STAY Keep on!
JS

12-1-11
Checked again
All OK Effluent
still Clear.
David

6801580 12-2-11
Checked Plant + OK
exercised all equipment
cleaned up some
Plant looks good +
is running good.
JS.

6803290 12-3-11
Checked Plant
exercised all equipment
checked all OK
all is OK JS

Check " Plant Exercised
Equip All ok.
Rain Main in Blower
Still on for now

12-4-11
Plant off 7:18pm

68-6870 12-5-11
Checked plant + GS
exercised all equipment
Plant Still off
Still raining

12-5-11
Check plants & STS All day OK

12-5-11
Checked plant
+ STS again Still
doing alright

68-9800 12-6-11
Checked plant + GS
exercised all equip
All is normal

12-7-11

Checked plant exercised all equip checked lift stations. All OK Replaced Pipe in Air line with new silencer got it working and noise down alot.

David

#2 60 Amps
900 RPM

#1 78
1150 RPM

#2 w/ Both 72 Amps

#1 w/ Both 98 Amps

12-8-11

Installed Sheave & Belts on #2 blower. Got it back in Service. Ran Amp Checked RPM check on Both blowers. left Blowers are due to flow.

12-9-11
Checked treatment plt
exercised all equipment
Both pumps running
Hours to Leave
Shane

12-10-11
Checked treatment plt
exercised all equipment
checked all hrs
Hours to Leave
[illegible]

12-11-11
Check Plant Back
on 10:49 Am Will
Check again later.
Shane

12-11-11
Check Plant again
All Still ok.
Blower Still on

12-11-11
Check again during
Peak flow All
Still ok.

12-12-11

Checked oil in
Blowers. Greased
Blowers & motors
& Pumps all still
ok. Checked Plant
Blowers still on
Effluent still Cloudy.

Shane

12-13-11
Checked treatment plant
exercised all equipment
Checked all LFS.
pulled rags from aeration
+ bar screen. allowed
Skimmer to run. Supernatant
line is clogged will
talk to Shane. all else
is ok. need HHH
SC.

12-14-11
Checked treatment plant
exercised all equipment
Checked all LFS
Cleaned up rags at
LFS. allowed Skimmer to
run. Cleaned up HHH
Should be here tomorrow
to clean traps with. SC

Plant out of ice 10
Rain 3:07 Am. Pumps
running Non Stop.

12-15-11
Check Plant & sts
Rain Blowers Still
off. not Pumping
with Emergency
Pumps yet

12-15-11
Checked plant
due to Rain
all doing O.K.
David

12-16-11
Checked treatment Plant
exercised all equipment
checked all lift
turned plant on at 8:35am
all N ok.
SG

2-16-11
Checked Plant
all N ok.
SG

12-17-11
Checked treatment plant
exercised all equip
checked LS
all ok

12-18-11
Checked Plant
Exercised Equip
All ok.

12-19-11
Checked treatment plant
exercised all equipment
Checked all LS.
Cleaned + Brushed
Clarifier with HTH
walked creek bed
ok. Plant is running
good. will test tomorrow
DS.

12-20-11
Checked treatment plant
exercised all equipment
Checked all LS.
Pulled rags + put in
dumpster. Brushed clarifier
again. All ok.
DS.

12-21-11 0 Coon
Checked plant
exercised all equipment
checked all GFS
turned plant off
due to heavy flow.

12-22-11
Checked treatment plant
exercised all equipment
checked all GFS
Flow STILL heavy
plant OFF.

12-22-11
Checked Due to Rain
flows very heavy.
Blower still off.
Dewd

12-23-11
Checked treatment plant
exercised all equipment
checked all GFS
Flow to heavy plant
stays off.

12-24-11
Checked treatment plant
exercised all equip
Checked all lts.
Going to wait to turn
Plant on SC.

12-25-11
Check Plant. Exercised
Equip Flow high
Blower off

12-26-11
Check Plant Exercised
Equip. Blower on
9:45am Ethel Cloudy
12-27-11
Check from rain All ok

12-27-11
Checked treatment Plant
exercised all equipment
Checked all lts
turned plant off at
8:00am due to rain.
SC.

12-27-11
Work on lift st lift

12-26-11
Checked treatment plant
exercised all equipment
Checked all LTS
No emergency pumps
on anywhere. Heavy
Flow plant off JS

12-28-11
finished up on lid
for wet well, got
hinges & handle
welded on. Works good.
David

850080 12-29-11
Checked treatment
plant exercised
equip checked STS
all ok. Plant still off

12-30-11
Checked treatment plant
exercised all equipment
checked all LTS
Calculated flows.
Pulled rags from barscreen
will bring buckets to plant
tomorrow to put in & throw
away. All is normal Heavy
Flow. JS.

12-31-11
checked treatment plt
exercised all equipment
checked all tks
flow to heavy 96.

1-1-12
Check Plant Exercised
All Equip. Heavy
flow still. Pumps
having to run Almost
non stop still. Also
very heavy wind.
lots of Power outages
will Check back
later to make sure
All still ok

1-1-12
Check Plant Again.
Still have Power
Blowers still out.

1-2-12
Checked treatment plt
exercised all equipment
Checked all tks
~~turned blowers on~~
~~at 8:45a. all ok~~
after watching pumps
run Full Hydraulic

checked plant pressure
equipment checked
STS turned pump on
at 8:25. will come
back to check

1-3-11
Checked plant
operated all equipment
Checked all lts
added 1 Drum of
HTH to aeration to
control odor. added
HTH to trats. Changed
Cl^2 cylinder. SL^2 last
Feeding right. all is
ok. JC.

1-3-11
Came back & checked
plant all OK
David

1-3-11
checked all is ok
JS

1-4-12
Checked treatment plant
exercised all equipment
Checked all lifts.
pulled rags from barscreen
added HTH to chlorine feeds
+ Brushed. allowed skimmer
to run. tried to unclog supernate
line. all is doing ok. JS.

1-5-12
Checked plant,
exercised all equipment
Checked all lifts
cleaned up.
all ok JS

1-6-12
Checked treatment plant
exercised, all equipment
Checked all lifts
Pulled rags from barscreen
+ aeration. allowed skimmer
to run. Cleaned up chlorine.
walked creek. Dropped
off 2 drums of HTH. Haines
creek cleaned on monday.

Exercised All.
Equip All ok
Effluent clear

1-9-17
Checked treatment
plant exercised all
equip checked SFS
all OK. Effluent
clear.
David

1-10-17
Checked treatment plant
exercised all equipment
Checked all SFS.
tested pH + recorded
data. cleaned up clarifier
all N ok. cleaned creek
(Bullitt Co. septic). all N
OK. waited. DS

1-10-17
Lot decant line
unclogged and
back in service.
everything OK
David

1-11-17
Check Plant from rain off
at 4:57 am. Not losing solids
Yet but both pumps running
All time + still raining

1-11-12
Check Plant & Sts
Again Blower
Still off

1-12-12
Performed Preventive
Maintenance

1-13-12
Checked Plt,
exercised all equipment
Checked all GS
Changed Cl_2 cylinder
all is OK
JC

1-14-12
Checked treatment Plt
exercised all equipment
Checked GS all OK
Fair to heavy. Still off JC

1-15-12
Check Plant flow
Still heavy. Blowers
off. Exercised
Equip.

Checked heater + plt
exercised all equipment
Checked all GFI.
Cleaned up, turned of
plt on. wasted + decanted
some. Cleaned both units
HH. pulled rags from Lakeview
dil units.

1-16-12 Ham
Checked plt, steady
waste + decant. All is
ok. Lightly raining.
JC

1-16-12 Jm
Checked plt
turned waste off
Joe mentioned guys
coming to unclog
transfer + check on
plt
JC

1-17-12
Checked Plant from heavy
storms. Both Pumps
running. Turned Blower
off at 5:17am Effluent
was still dk. Pumps
running all time.

1-12-12
Checked treatment plant
exercised all equipment
Checked all LS.
turned blowers back on
at 8:30am. wasting.
will check on soon.
SG.

1-17-12, 10:30am
Checked plant
all ok
still wasting SG.

1-17-12
Checked Plant & sts
Blower off 1hr
losing solids.

1-8-12
Checked Plant
exercised all equipment
Checked all LS
Flow to heavy
SG

1-19-12
Checked Plant
exercised all equipment
Checked all LS
Flow [illegible]

Checked treatment plant
exercised all equipment
checked LTS
turned plant on at
8:35am. all tanks
watering. JS

1-21-12
Checked plant + LTS
exercised all equipment
cleaned up JS

1-22-12
Check Plant Exercised
All Equip ok

1-22-12
Checked Plant &
STS from Storms
ok so far

1-23-12
Shut blower off
in Preparation of
bad Storms. off
at 1:52 pm Storms
Moving in in
about 15 mins

1-24-12

Ce906258 Checked treatment Plant
Both Solr Primers
running all time. Also
Emergency Pump is
still having to Cycle.
Blower Still off
Pulled some rags from
bar Screen.

1-25-12

Checked treatment Plant
Exercised all Equip.
Turned Blower on while
We were working at ILHz.
Left at 8:04 - will check
again when finished.

1-25-12

Check Plant again
Turned Blower
back off at 9:41

1-26-12

Check Plant
SIS from rain
All de Sb. for
blower still off

1-26/27-12

Check Plant

again. All still ok
here. Cloudy skies when
we leave. Flow still
heavy from rain. Blower
still off Effluent Cloudy.

1-29-12
Checked Plant Exercised
All Equip. Flow
still very heavy.
Blower still off

1-30-12
Checked treatment plt
exercised all equipment
Checked all lift
turned plt on at
8:10am. pulled rags from
barscreen. added MTH
to clarifier tanks. Changed
Cl_2 & SO_2 cylinders. Bulloff
Co. Septic is gonna take 2
loads off of digester tomorrow.
Cleaned up &

1-31-12
Checked treatment plt
exercised all equipment
Checked all LFS.
Allowed Bullitt co. Septic
to get in to pump 2 loads
out of digestor. I pulled
bags from barscreen +
aeration + put in dumpster.
all is ok. JG.

2-1-12
Checked treatment plt
exercised all equipment
Checked all LFS.
Cleaned up, wasted JG.

2-2-12
Checked treatment plt
exercised all equipment
Cleaned up. Checked
all LFS. wasted all is ok

2-3-12
checked treatment plant
exercised equipment checked
lift stations. All OK. Pulled
bags and took them to
dumpster. Te. :d. Effluent
Clear.

Dan

Checked Plant Filter
Everything all correct
Raining all ok
SG

2-4-12 1:40pm
Checked Plant
Again it has been
raining turned Plant
off at 7:40pm all
is normal
SG

2-5-12
Check Plant Flow
too heavy to
turn back on
All Else ok

2-6-12
Checked treatment Plant
everything all correct
Checked all GFs
Flow is too heavy
with pumps running
SG

2-6-12
pumps kicked off + stayed
off for a bit will check back
later may turn on
SG

2-7-12 8:15am
Checked treatment plant
excercised all equipment
Checked all lift
turned plant on at
8:15am. will check
back on it. JS

2-7-12
Checked plant
all is ok

2-7-12
Checked plant again
all looks ok
JS.

2-8-12
Checked treatment plant
excercised all equipment
Checked all lift
Cleaned plant up.
Bullitt co. septic is
coming to get 2 loads
out of the digester.
All is ok. cleaned
weirs. Plant is running
good. JS.

Checked treatment plant, exercised all equipment. Checked all GFs. Had to turn the plant off at 8:25am because the transfer line is clogged. Joe Murphys guys will be here to FIX it in a few hours. all else is OK. SS.

2-9-12 2:35pm
Checked plant. Helped Joes guys unclog transfer pipe. Cleaned up. turned plant on. All is OK tested. SS

2-10-12
Checked treatment plant exercised all equipment Checked all GFs. tested + cleared up. repaired pump 2 to try to get it to pump more. all is OK. Tested! SS.

☆ pump 2 is only pumping a half pipe + can't get it to pump anymore.

2-11-12
Checked Plant + LTS
exercised all equipment
Cleaned up all as de
JS

2-12-12
Checked Plant
Exercised All
Equip all ok.
Effluent is Clear.

2-13-12
checked treatment plt
exercised all equipment
Checked all lts
Allowed Skimmer to
run turned air off to
digester to try to decant
Scum. cleaned clarifier
weirs all N OK. JS.

2-14-12
Checked treatment plt
exercised all equipment
Checked all lts
Cleaned up wasted,
Changed SL2 tank
all N OK JS

(6)

2-15-12
Checked treatment plant
executed all equipment
Checked all GFs.
Cleaned up pulled
rags from aeration + barscreen.
Dreated + waste today. Allowed
skimmer to run all OK SS.
Tried getting pump 2
to pump more. Still won't
pump more than a Half pipe SS

2-16-12 B-Bam
Checked treatment plant
executed all equipment
Checked all GFs.
turned plant off due
to leaky flow. SS.

2-17-12
Checked treatment plant
executed all equipment
Checked all GFs
when I leave here
staff building + tried
to straighten up some.
will bring a dust pan
+ get rest of stuff in
corner tomorrow or monday.
Flow is still pretty low
might try + turn it on tonight.

SS

2-8-12 7:05am
Checked plant + LFS
turned plant on
all ok JS

2-19-12
Check Plant + SFs
Exercised All equip
All ok. Effluent
Clear

2-20-12
Checked treatment plant
exercised all equipment
Checked all LFs.
Cleaned up. All ok
wasted + turned air
off to digester today
to decant soon. Flow
meters still broke. JS

2-21-12
Checked treatment plant
exercised all equipment
Checked all LFs
Cleaned up tested
+ recorded data. Rain
today. wasted. All is
ok JS

Checked flt + LTS
Executed all equip
Refined samples.
Cleaned up. All AS
OK. Filled bags to
dry contents JC

2-23-12
Checked treatment flt
Executed all equipment
Checked all LTS
filled alot of bags
+ set to dry decanted
the entire time I was
here. Let skimmer run
+ cleaned clarifier. all
AS OK JC.

2-24-12
Checked treatment flt
Executed all equipment
Checked all LTS
Cleaned up wasted
+ decanted all NAS
effluent clear JC.

2-25-12
Checked plant + lift
exercised all equipment
Cleaned up. all ok
DS.

2-26-12
Checked Plant
Exercised All Equ.
All dr. Effluent
is clear.

2-27-12
Checked ~~treated~~ Plant
exercised all equipment
Checked all lift
wasted + let skimmer
run pulled ~~ags~~ + put
sand in bucket DS.

2-27-12
Checked treatment
plant exercised equipment
all ok Checked sts
they are ok
Daniel

2-28-12
Performed Preventive
Maintenance. All dr

Checked treatment plant
exercised all equipment
Checked all LS
Cleared up pulled ASS
toasted. Changed Cl_2 tank
trade size all tanks were
changed. all drks SC

2-30-12 8:30am
Checked treatment plant
exercised all equipment
checked all LS
turned plant off due
to heavy rain all else
drks SC.

3-1-12 7:30am
Checked treatment plant
exercised all equipment
Checked all LS
turned plant on all
drks cleared up SC

3-2-12.
Checked plant + LS
exercised all equip
all drks SC

3-1-12 4pm
Checked Plt
turned blower off
bad weather.

3-2-12
checked Plt
+ Lts. executed
all equal alarm OK

3-3-12
Checked Plt + Lts
executed all equal
alarm OK

3-5-12
Checked treatment Plt
executed all equipment
checked all Lts. Both
pumps running + flow
going out of Plt to
highway ditch to town
on tenroad.

3-6-12
Checked Plt + Lts
executed all equipment
turned Plant on at
8:30am. Cleared of alarm

Sat 3400
PH-7.58
DO-1.76

Checked treatment plant
exercised all equipment
checked all GPS.
Cleaned up pulled
rags, waited to decanted
all tanks, tested &
recorded data.

3-8-12
Checked treatment plant
exercised all equipment
Checked all GPS
Flow is heavy & #1 S
raining. Cleaned up turned
plant off at 9:15 am tested
rain that supposed to stop
till 3pm & 4pm. JC.

3-9-12
Checked treatment plant
exercised all equipment
Both pumps running
plant flow is heavy
all else is normal. JC.

3-10-12
Checked PLC + GPS
exercised all eq. of
Flow is heavy, keeping
plant off till tomorrow JC

3-11-12
Check Plant Flow
Still too heavy.
Both pumps still
having to run.
Blower still off

3-12-12
Checked Plant + Lifts
exercised all equip
Plant + Head pumps
running together. Will
try tomorrow maybe to
turn Plant on SC.

3-13-12
Checked treatment plant
exercised all equipment
Checked all lifts
turned plant on at 8:10am
Cleaned up SC.

3-14-12
Checked Plant + Lifts
Cleaned, tested + recorded
data. Wasted. All Lifts
OK. SC

3-15-12
Checked plant + Lifts
exercised all equipment
Cleaned up + wasted. All

Check Plant
from Rain ok
at 8pm

3-15-12
Check Plant from
rain again. OFF
at 10:58pm due
to flow.

3-16-12
Checked treatment plant
exercised all equipment
checked all lift
plants ok due to
heavy flow.

3-17-12
Checked PLANT
exercised all equip
Heavy flow - all is ok

3-17-12
Check Plant & Sts
from rain 9:55pm
Blower off all
ok.

3-18-12
Check Plant &
SIS Again from
rain All Pumps
ok 2:10pm

3-18-12
Checked Plant & STS
Exercised Equip.
Still heavy flow
Blower still off
All Else ok

3-19-12
Checked Plt + STS
exercised all equip
Flow to heavy
both pumps running
all else ok JS

3-20-12 Dioan
Checked treatment Plt
exercised all equipment
checked all GAS.
Cleaned up turned
Plt on heated +
decanted all ok
JS.

3-21-12
Checked Plt + GAS
exercised all equipment
Checked all Plt
tests + recorded data
Cleaned up. all ok
JS

Checked Plt & Lts
Exercised all equip
Checked Lts
Cleaned up decanted
JS

3-23-12
Checked plant from
Rain had to turn
off blower off at 7:02a.m

3-23-12
Checked Plt
Blower stayed
off. JS.

3-24-12
Checked Plt
+ Lts. Flow to
heavy. Blower
off - JS

3-25-12
Check Plant + sts
Exercised Equip
Flows heavy Blowers
on

3-26-12
Checked treatment plant
exercised all equipment
Checked all DS.
turned plant on at
8:15am. wasted + decanted.
added HTH to trofts
+ Backed clarifier. all
is ok. JS.

3-27-12
Checked treatment plant
exercised all equipment
Checked all DS.
Baker was kicked
on blower when I
got here so I turned
it back on + reclaimed
plant. wasted. will test
tomorrow JS.

3-28-12
Checked treatment plant
exercised all equipment
Checked all DS
put other blower in service.
Cleaned up all work JS

Called to see why
Blower was kicking.
Wires burnt in Motor
Box. Need Parts to
Repair will get tomorrow.

3-29-12
Got Parts to Repair
wires to Blower Mtr.
Got all the burnt
wires Cut out and
replaced. Got Motor
Back in Service.
Turned #2 blower
off and #1 on.

7-30-12
Checked treatment plt
executed all equipment
checked out OK
tested + recorded
data Cleaned up

8-31-12
checked plt + OK
executed all equipment
cleaned up all OK

4-1-12
Checked Plant &
LS Pass this
Morning All ok
as of now. Pumps
Still Cycling

4-1-12
Came back to Check
after rains. Creek
way up and Plant
has very heavy flow
now. Blower off
at 11:38 Am

4-2-12
Checked treatment plt
exercised all equip
Checked all LS.
Flow is to heavy
will try later to turn
on or tomorrow. JS

4-2-12
Performed Preventive
Maintenance

4-3-12
Checked plt + LS
exercised all equip
turned plt on at 8:15am

4-4-12
Checked treatment plant
exercised all equipment
Checked all lifts
Blower was kicked when
I got here. Doesn't look
like it was off long. Reset
overload & cleaned up
all is ok. JS

4-4-12, 7:30pm
Checked plant & lifts
exercised all equipment
Plant off due to
heavy rain. JS

4-5-12
Checked plant flow
to heavy plant stays
off. JS.

4-6-12 8:05 am
Checked treatment plant
exercised all equipment
turned plant on. Cleaned
up, washed. All is ok.
effluent is clear JS

4-7-12
checked plant + WS
exercised all equipment
cleaned up all sick
&

4-8-12
Check Plant exercised
Equip ok

4-9-12, [redacted] 6:45am
checked treatment plant
exercised all equip
checked all WS
Blower was kicked
again. Had cleared
up. Blower is running
again + shown to
coming to [redacted] check
on it. all else ok
&

4-9-12
Checked to see why
Blower kicked. Pulling
80 amps. All wires +
Connections & [redacted] unwired
& Ve hooked. Turned back
on.

4-10-12
Checked treatment plant
exercised all equipment
Checked all LS. Cleaned
up. All looks good.

4-11-12
Checked treatment plant
exercised all equipment
Checked all LS.
Cleaned up. All is ok
tested & recorded data

4-12-12
Checked plant
exercised all equipment
Checked on all LS
pulled rags & set
to dry. Cleaned up
all mess

4-13-12
Checked treatment plant
exercised all equipment
Checked all LS
Cleaned up. Buried
clamps & rocks.

4-14-12
Checked treatment
Plant & Sts.
Exercized All
Equip All ok Effluent
Clear. No Blower Probs.

4-15-12
Checked treatment Plant
Exercized All Equip
Changed Sulfer tank.
All looks good.
Effluent is Clear.

4-16-12 7:45am
Checked treatment Plant
exercised all equipment
checked all Sts. Blower
was kicked when I
got here. middle leg
on overload was kicked
so I reset it. Ran
that morning. Flow out
to bed Plants running
again. tried cleaning
up & just setting everything
back in order. SO

4-17-12
Checked treatment Plant
exercised all equipment
Checked all Sts. Clear

4-11-12 continued
tested & recorded data
cleaned up. all tanks
effluents clear. JS.

4-18-12
Checked treatment plant
executed all equipment
checked all lifts. Cleaned
up. pulled rags & put
in buckets. all is ok JS

4-19-12
Checked treatment plant
executed all equipment
checked all lifts. Cleaned
up. ~~clean~~ decanted. all is
ok JS.

4-20-12
Checked treatment plant
executed all equip
Checked all lifts
Cleaned clarifier trays
treated all is ok JS.

4-21-12
Checked plant, turned blower
on at 1:40pm due to
heavy flow. JS.

4-22-12
Checked Plant
Exercized Equip
left Blower
Off. Both Pumps
Still Running All
time 0

4-23-12 6pm
Checked treatment plant
exercised all equipment
Checked all GFI's
Turned Aeration at
4pm. Cleared S.S.

4-24-12
Checked treatment plant
exercised all equipment
checked all GFI's
tested & recorded data
cleared & wasted &
decanted S.S.

4-25-12
checked treatment plant
exercised all equipment
Checked all GFI
cleared & wasted S.S.

4-26-12
Checked heat unit & found exceed all equipment
Checked all lts.
Cleaned up. rested JG.

4-27-12
Checked Unit, Blower was locked when I got here. Turned Blower back on & Cleaned up. exercised all equipment, Checked all lts. Pulled rags & set to dry. all is ok. JG.

4-28-12
Checked, A/C & Hts exercised all equip
Cleaned up JG

4-29-12
Check Unit & St
from heavy storm
All ok. left Blower
on

4-29-12
Checked treatment
Plant & sts Serviced
All Equip All ok.
Blower #1 Rolling higher
Amps than it was.

Steve

4-30-12
Checked treatment plant
exercised all equipment
Checked all lts.
filled logs today.
Cleared up clarifier
all ok SS.

69880 5-1-12
Checked treatment plant
exercised all equipment
Checked all lts
Cleared up Blower
was locked when I
got here SS.

5-2-12
Checked treatment plant
exercised all equipment
Checked all lts
tested. Cleared up
all is ok SS.

Checked A/T, executed
all equipment, checked
all T/S. tested & recorded
data. Cleaned up all work

5-4-12
Checked A/T + T/S
executed all equip
Cleaned up. S.T.C.
wasted up all work

5-5-12 S. Teran
Checked A/T + T/S
executed all equip
turned A/T off
due to rain

5-6-12
Checked A/T & S/S
Executed All Equip
do. to Blower due
due to flow

5-7-12
Checked treatment plant
executed all equip
Cleaned up turned
plant over at 7:55am.
All of normal. Added
HTH to tanks JS

5-7-12
Performed Preventive
Maintenance on
Blowers, Motors, Pumps
& Collector

5-8-12
Checked treatment plant
executed all equipment
Checked all tks.
Cleaned up + prepared
plant for sampling. Plant
looks good effluents
clear. Gonna get 2
Loads taken from digester
Soon. JS. called Joe
to clean transfer
Line.

Checked fluids
exercised all equip
Cleared of all rx
dk SC

5-10-12
Checked fluids
exercised all equip
tested + recorded data
cleared of SC

5-11-12
Checked fluids
exercised all equip
Cleared of pulled
rags + salt to dry
all rx dk

5-12-12
Checked fluids
exercised all equip
Cleared of all rx

5-13-12
Check Plant + sts
from rain Plant
off 3:04am.

5-13-12
Checked Plant +
sts Again. Still
raining. sts still
dr.

5-14-12
Checked PLT
exercised all equip
Checked all GS.
Plans to leave pump
still going Full blast to
plant 5days off.

5-15-12
Checked PLT + GS
exercised all equip
turned Lights on to
PLT at 8:10am. All
is ok. Cleaned up.

5-16-12
Checked PLT + GS
exercised all equip
Cleaned up. All is ok

Checked plt, exercised all equipment, checked all GFs. Cleared up. tested + recorded data all is ok. JG.

5-18-12
checked plt, exercised all equipt, checked all GFs. Cleared up all is ok JG

5-19-12
checked plt + GFs exercised all eqpt all is ok JG

5-20-12
Check Plant Exercised Equip all ok

5-23-12
Checked plt, exercised all equipment, checked all GFs, cleared up all is ok. JG.

5-22-12
Checked treatment plt
exercised all equip
Checked all cfs
Cleaned up. Wasted
eff clear. JC

5-23-12
Checked treatment plt
exercised all equipment
checked all cfs. Cleaned
up. all ok JC.

5-24-12
Checked treatment plt
exercised all equipment
Checked all cfs
tested + recorded
data JC

5-25-12
Checked plt, exercised
all equip, checked all
cfs. cleaned up effluent is
crystal clear
JC

5-26-12
Checked plt + lift
exercised all equip
all ok
JC

Check list received
Equip all ok

5-28-12
Checked list
all ok. DC

5-29-12
Checked list
exercised all equip
checked all LS
Cleaned up. all
is ok. DC
Light rain today DC.

5-29-12
Checked plant
due to rain.
Turned plant
off at 1010am
Darrel

5-30-12
Checked list + LS
exercised all equip
Lift pumps running
Clear to heavy plant
Sept. DC.

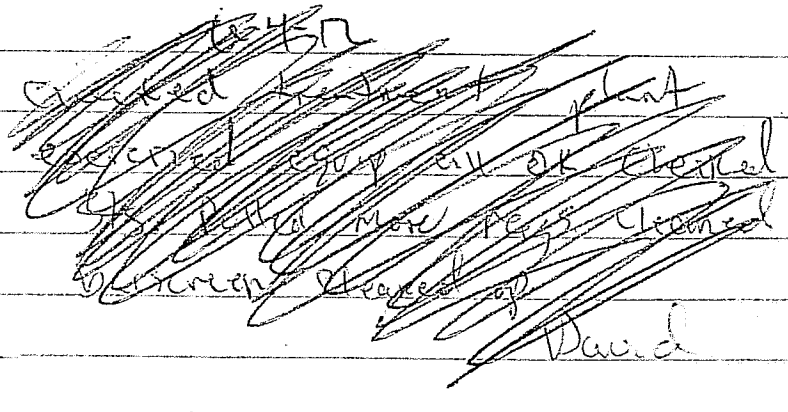
5-30-12, 6:40pm
Checked plant
exercised all equip
turned blowers on
+ cleaned up all NAD

5-31-12
turned water off
will be back later
to clean up

5-31

OFF 8:20 pm
RAIN

6-1-12
Checked treatment plant
exercised all equipment
checked all GTs
Cleared rags plant
Still off. Heavy Flow



6-1-12 [illegible]
Checked plant
exercised all equip
Checked all BFS
turned blower back
on all ok SS.

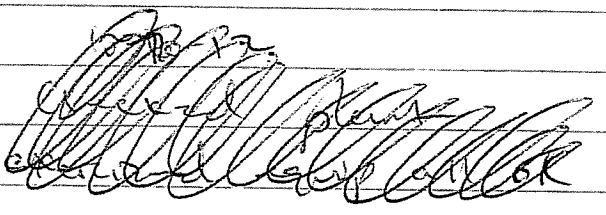
6-2-12, 10a.m.
Checked on plant
again all ok
SS

6-3-12
Check Plant. & SF
Exercised Equip All ok

6-4-12
Checked treatment plant
exercised all equip checked
SFS all ok. Pulled rags
cleaned up.
Daniel

6-4-12
Check Plant + SFS
from Rain All ok

6-5-12
Checked Plant & Sts wasted & Decanted while here. Performed Preventive Maintenance. Effluent Clear



6-6-12
Check Plant Examined All Equip All ok. Wasted More Study Effluent Clear

6-7-12
Checked plant & STS aerated equip all OK Cleaned up. Tested effluent clear
David

6-8-12
Checked treatment plants & STS aerated equip all OK Effluent Clear.
David

Checked Plant
Exercized All
Equip All ok
Effluent Clear

6-10-12
Checked Plant
Exercized All
Equip All looks
good. Effluent
Clear

6-11-12
Checked plant + LS
exercised all equipment
Cleaned up decanted
+ worked all ok
SG

6-12-12
Checked treatment plant
exercised all equip
Checked all ok
Cleaned up Changed
CF to ft - all ok
decanted.
JD

6-13-12 5:45pm
Checked treatment plt
exercised all equip
Cleared & recorded
all in ~~the~~ checklists
Clear

6-14-12
Checked treatment
plt exercised all
equipment/pumps
& recorded/recorded
Cleared of all NCs
within limits

6-15-12
Checked treatment plt
exercised all equip
ported & recorded
data. wasted all N
Clear

6-16-12
Checked plt & GAS
exercised all equip
all NC
Cleared of

6-17-12

Started plant
Exercised Equip
Rain light storms
Had plant off
light on Left out
Clear.

6-18-12
Chk plant from
Weather heavy
storm Shut Down
off due to
flow at 3:45pm

6-18-12
Checked treatment Plt
exercised all equip
Checked all GS
Cleaned up, turned
Plant on at 7am
all normal

6-19-12
Checked treatment Plt
exercised all equip
Checked all GS
Cleaned up. All N
Normal

6-20-12
Checked heater & fl
exercised all equip
Checked all LS
Cleared ✓ SC

6-21-12
Checked heater & fl
exercised all equipment
Checked all LS
Cleared ✓ pulled
tags all OK SC

6-22-12
Checked heater & fl
exercised all equ
Checked LS
Cleared
SC

6-23-12
Checked fl & LS
Cleared ✓
all LS OK SC

6-24-12
Check Plant & S
Serviced Equip ATH
dc

Found #1 Blower
kicked due to Burnt
wire. Fixed & got
in Service. Took amp
readings on Both Blowers
Trying to Figure out
how to Get both
blowers in Service

6-26-12
Checked Plt
exercised all eqpt
Checked UV.
Cleaned Plt up
all was OK

6-27-12
Checked Plt
exercised all eqpt
Checked all UV, tested
Cleaned up all was
noted OK

6-28-12
Checked treatment Plt
exercised all equipment
Checked all UV's, cleaned,
will start pulling algae
strings soon from all other
tanks as they die off

6-29-12
Checked treatment plt
exercised all equip
Checked all GS
Cleared up. Pulled
rags, aeration
real dark will take
sample in morning.
DO.

6-30-12
Checked Plt & GS
exercised all equip
All normal
DO

7-1-12
Check Plant Chang
Ck all eq. Effluent
Clear

7-2-12
Checked plant & GS
exercised all equip all
are cleaned up. Pulled
rags. Effluent Clear.
David

7-3-12
Checked Plt & GS
exercised all equip
All in Ck DO

Checked plant
SDS Exercised
Equip All ok.
Performed Preventive
maintenance

7-5-12
Checked plant SDS
exercised all equip
all ok SC

7-5-12
Checked plant SDS
exercised all equip
Cleaned up. Pulled
logs. all ok SC

7-6-12
Checked treatment plant
exercised all equipment
Checked all ok.
tested + recorded
data. all ok SC.

PH-7.62
Do-.69
Sal-64do

7-7-12
Checked plant & ETS
exercised all equip
all ok

7-8-12
Check plant & ETS
Exercised Equip
All ok

7-9-12
Checked treatment plant
exercised all equip
Checked all ETS
pulled rags cleaned
Clarifier. All ok

7-10-12
Checked treatment plant
exercised all equipment
Checked all ETS
Cleaned up cleaned
Clr. All ok

Checked treatment pl
executed all equip
Checked all cts
Cleared of all
plants pulled rags
to dry will clean those
up tomorrow. All ok JS

7-12-12
Checked treatment plt
executed all equip
Checked all cts
cleared rags &
put them in dumpster
pulled more rags
out of aeration &
set to dry. All is
ok - JS.

7-13-12
Checked treatment plt
executed all equipment
checked all cts.
Cleaned up tested
and recorded data.
will be wasting alot
come next week; all
else ok JS.

PH - 7.38
Sal - 69.0
DO - .89

7-14-12 A.M.
Checked flights
Exercised all equip
Cleaned off all
[redacted]

7-14-12 3pm
Checked flights
Again. Exercising. [redacted] Blower Had
to be turned off
Bed is starting to
rise.

7-15-12
Check Plant. Exercised
All Equip Both
Pumps. Still Cycling
to handle flow.
Will leave off
for now & Check
later.

7-15-12
Check Plant again
1 Pump can handle
flow now. Blower
back on 6:08 PM

[illegible] treatment
exceeded all eq
checked all ht
cleaned up pa
+ backwash, s
contact + wate
all wk

7-17-12
Checked ht +
exceeded all eq
Cleaned up.
Checked all ht.
tested. all wk

7/18/12
Checked treated ht
exceeded all eq
Cleaned up all
Had to
backflush pump 2
to get it to pump
and all wk

347-10
10-.19

7-11-12
Changed Sheaves &
Belts on Both
Blowers. Got Both
Blowers in Service
At Same time.
Larry Came by
& Checked over everything.
Both Blowers
Running when we
left

7-12-12
Checked plant
Again. Oil Levels
OK. Blower 2
was Kicked
got it started

7-18-12
Check Plant from
Rain off Kiss Kill
Both blowers

7-19-12 8:35am
checked plant
executed all equip
checked all lts
cleared up with
test transformer &
turned plant on

Plant off X'OSPm
Due to Rain

7-20-12
Checked treatment
exercised all eq.
Checked all HS hose
turned blower back off
on at 8:30am. Clean
up & Return Steps
up as I was
about to leave.

7-20-12
went to Storage
picked up air tank
& test ball back
flushed return about
20 times & took both
off return & looked
at air line inside
pat back together
& back flushed. It
finally unclogged.
Alot of rags came out.
I waited & allowed
to run on Full all is
OK now.

7-20-12
Check Pad & Sits
from Storms

7-23-16

Check Plant + Sc
Again or at + CLS
exercised all equip
7-24-16
Check
exercise
Check
Bull Lt + rail + sts
Clear Equip all ok
to
7-25-16
Checked treatment plants
exercised all equip
Checked all LTS.
Cleaned up. Blower
2 was locked again
at the barber. turned
it back on + tested
plant after a while.
all is ok. Wasted
as well
for 3 days!

PH - 7.59
DO - 4.45
Set - 8200

7-24-16
Checked treatment / at
exercised all equip
Checked all LTS.
Cleaned up. rest of
blower all is ok

Un # off 1:05Pm
from St D.
Plant off 1:12Am
Due to flow

7-25-12 all eq
checked all LS tho
ck alter to back 2
checked on clear
turned fr. Staff
at 8:35am Wtr 5
+ cleaned up all
is ok. tried pulling
air drops, was not
successful! all ds
ck. SC.

7-26-12
Checked treat + fld
exercised all eq
creeks getting cleaned
tomorrow by Bullitt.
Pulled rags + dumped
baskets of rags, all ds
ck. SC.

7-26-12
Check Plant + Sts
from Storms Plant
off 11:20Am

7-26-12

Check Plant + SS
Again ok at 3:28pm

7-27-12
Checked treatment plant
exercised all equip
Checked all LTA
Bullitt Co Septic
Cleaning creek. dV
in ok shape on
at 9:45am eff
Clear. SS

7-27-12
Checked plant
creek looking
good. SS

7-28-12 6:45am
Checked plant + LTAs
exercised all equip
Cleared of plant on.
SS

7-29-12
Checked Plant Exercised
All Equip. All ok.
Effluent ok

Checked plant
exercised all equip
Checked all sts
pulled logs, ordered
CL2, cleaned up
tested + recorded SC
PH-7.62
DO-.92
set-68°

7-31-12
Checked treatment plant
exercised all equip
Checked all sts
cleaned up. all ok
ck - changed cl2
cylinders - effluent
clear. JO

8-1-12
Checked treatment Plant
& Sts Exercised All
Equ.! Cut out All
old Airdrive & Installed
New ones. Ran Amp
Check. #1 Blower
58 Amps Across the
legs #2 Blower 60
Amps Across the legs
All looks very good.

8-4-12 7:20pm
Checked Plant
exceeded allowed
turned Laser on all
to check SC.

8-4-12 [redacted] 3:20pm
Checked Plant,
Lasers about to
start Plant already
has High Flow SC.

8-4-12 6:14pm
Check to try
to turn Plant
on Still heavy
flow left off

8-4-12
Check Plant again
flow still for
heavy to turn
on.

8-5-12
Check treatment
Plant. Exercized
All Equip Turned
#1 Blower on
8:20 Am. All ok.

8-5-12
Check Plant from
Stems. leaving
Blower on 4s
long as possible
will Check
frequently.

8-5-12
Check Plant again
All Still ok
and on.

8-5-12
Check Plant. Flow
Still up but
not losing Solids
Plant still on.

8-5-12
Check again. All
Still ok 11:12am
leaving on

Performed Preventive
Maintenance on Blowers,
Motors, & Pumps.
All ok.

8-6-12
Checked flt
cleaned all equip
Skimmer clogged
will fix tomorrow
rag Hook broke.
Plant looks ok
Effluent clear SL

8-7-12
Checked treatment flt
cleaned all equip
Checked all GFCIs
Cleaned up
All ok. will
Come back to
take dirt to
skimmer SL

8-7-12
tried to unclog
skimmer still couldn't
get it unclogged all
pulled out.

Check that check 29
All equip Act &
Exhaust is clear

8-13-12
Checked front of flt
exercised all equipment
Checked all OK
Cleaned up worked

8-13-12
Checked due to
rain all OK

8-14-12
Checked front of flt
exercised all equipment
Checked all OK
Cleaned up all OK
OK - SC tested flow
PH-7.74
DO-3.42
set to 80%

8-15-12
Checked flt & UTs
exercised all equip
Cleaned up worked

696005 8-16-12
Checked plant & OK.
exercised all equip
cleaned & washed
down all S.

8-16-12
Plant off 9:20 pm
due to rain

696410 8-17-12
Checked treatment plant
exercised all equipment
checked all pumps.
Plan to keep heaters
plant off. SC

8-17-12 2pm
Checked plant again
turned plant on & steady
watched. SC

8-18-12
Checked plant & OK
cleaned & exercised
all equip. Stopped
working SC

Check Plant
Elevated Equip
All ok

697380 8-20-12
Checked plant
exercised all equip
Checked all CTS
wasted. cleaned up
Checked str. all
15 ok SC.

697780 8-21-12
Checked treatment plant
exercised all equipment
Checked all CTS.
Cleaned up wasted
tested + recorded data's
PH-7.29
DO-2.89
Sct-7 ml

697850 8-21-12 3:45 pm
Checked plant Due
to rain. Steady,
waste all normal.
SC

698690 8-22-12
Checked flt + LTS
exercised all equip
Cleaned up. Still
watering. offices
Clear. JS.

698720 8-23-12
Checked flt + LTS
exercised all equip
Cleaned up. turned
water off. Creek
getting cleaned. All
is OK JS.

8-23-12
Got Gate pulled
out to where it
will open easily.
Dave

698520 8-24-12
Checked flt
exercised all equip
Checked all GS
Cleaned up. All
is OK JS.

01080 8-25-12
Checked plant & CKS
cleaned equip
all ok SC

8-26-12
Check Plant AR

09990 8-23-12
Checked treatment plant
cleaned all equip
Checked all CKS
cleaned of all
dr ok SC.

8-27-12
Check Plant from
Storms. Off 6:49pm
due to flow

10013 8-28-12
Checked treatment plant
cleaned all equipment
Checked all CKS turned
Plant on at 8:20am all
dr ok
SC

700470
8-29-12 to 702510
Checked Plant
exercised all equip
Checked all LTS
Cleaned w. Wasted
all Nec. effluents Clear JS

8-30-12
Checked Headwork Plant
Exercized All Equ.P.
All looks good.
Performed Preventive
Maintenance.

701160 8-31-12
Checked Plant + LTS
Exercised all equipment
Cleaned up tested
+ recorded data. All N.
OK JS.
PH-7.38
set-30°C

701580 9-1-12
Checked Plant, exercised
all equip. checked LTS.
[illegible] JS

9080 8-25-12
Checked for
cleared
all rod

9-2-12
Check Plant & Stks
from rain 2:45Am
All ok. Plant on

9-2-12
Check from more
rain 7:10Am All
ok Plant still on

9-2-12
Check from rain
again. Heavy flow
now. Plant off
12:58Pm. Not losing
any solids.

7022300 9-3-12
Checked Plant
staying off very
Heavy Flow. BG

9-11-12
Check ok

9-4-12 8:20am 7025510
Checked treatment Plant
exercised all equipment
Checked all GS.
Cleaned up. SS.

9-8-12
checked plant + STS
exercised equip all ok
Plant still off
Dave

9-5-12
Checked plant + STS
exercised equip all ok
Cleaned up. Effluent
Chev.

Dave

9-8-12
OFF 12:52pm
Due to rain

9-7-12
Mark Robin to
Ck feed line.
Check over Plant

9-5-12
Check from storms
Plant off 5:55pm
Due to flow

9-6-12
Checked plant + STS
exercised equp all ok.
Cleaned up. Brushed walls
Plant back on 8:45am
Dave

7023280 9-12-12
7052770

7046020
9-10-12
Checked

9-7-12

2-21-14

Checked plants & STS
exercized all equip all
OK. Cleaned up. Pulled
rags. Changed Cl_2 tank.
Effluent clear.

David

2-22-14

Checked plant & STS
exercized all equip
all ok. Cleaned up

David

2-24-14

Checked plant & STS
exercized all equipment
all ok. Cleaned up
& hosed down. got
trash off clarifier
Effluent clear

David

2-25-14

Chemical plant rsts exercized all equip all OK. Cleaned up & Turned blowers on. 12:23pm Effluent clear.

David

2-26-14

Checked plant & sts exercized all equip all OK. Cleaned up Effluent clear.

David

2-27-14

Checked plant rsts exercized all equip all OK. Cleaned up & hosed down Pulled some rags unclogged skimmer

David

3-28-14
Checked plant & sts
exercised all equp
all OK. cleaned up
Effluent clear.
David

3-2-14
Check Plant & sts
Exercized Add
Equ.p. All Blowers
off Due to
Rain. off 10:40 Am

3-2/3-14
Check Plants + sts from
Rain/ Snow. will be
Checking through the
night.

3-3-14

Check on Plant & Sts again. All Blowers still off. All else ok.

Shawn

3-4-14

Performed Preventive Maintenance.

Shawn

3-5-14

Checked plant & sts operated all equip all ok. Cleaned up at sts & plant. Effluent clear. Blowers still off

David

3-6-14

Checked plants & sts
exercised all equip
all o/k. Cleaned up
filters reps Tested.
Effluent clear. Turned
plant on 8:45am.

David

3-7-14

Checked plant & sts
exercised all equip all
o/k. Cleaned up.
Effluent clear.

David

↖ ?

3-7-14

Checked treatment Plant.
Exercized All Equ.P.
Found Stop float for
Self Primers Hung up.
Cleaned & got working again.
had to re Prim #2 Pump

Shawn

3-9-14

Check Plant & Sts
Exercised All Equ.P
All ok Effluent
Clear.

Shawn

3-10-14

Check treatment Plant
Changed Cl_2 tank.
Plant needs to
be washed. All else
ok Effluent Clear.

Shawn

* Bar Screen needs to
be Cleaned &
rags picked up. *
** Clarifier needs brushed
& Skimmed Badly **

3-11-14

Checked plant + sts exercised all equip all OK. Cleaned up. Mill Clean up really good tomorrow. Effluent Clear.

David

3-12-14

Checked plants + sts. exercised all equip all OK. Cleaned up. Effluent clear.

David

3-13-14

Checked plant + sts exercised all equip all OK. Cleaned up filled rags. Tested. Effluent Clear.

David

3-16-14
Check Plant & STs
Exercised All Equip
All ok Effluent
Clear.

3-16-14
Check Plant & STs
again from rain.
Plant ok 3:50pm
due to slight
Dirt floc from
increased flow.

3-17-14
Checked plant & STs
exercised all equip all
ok. Cleaned up. Pulled
some rags. Both pumps
Still running. Will turn
blowers on tomorrow
David

3-17-14

Checked plants & sts
exercised all equip
all ok. Cleaned up
Turned both blowers
back on. 8:45 am
will come back &
check later. Effluent
clear.

David

3-17-14

Checked plant from
blowers being turned
on all is ok. Effluent
still good & clear.

David

3-18-14

Checked plants & sts
exercized all equip
all ok. Cleaned up
Effluent clear.

David

3-19-14

Checked plant + stn
exercized all equip
all o/k. cleaned up
Poured rags Effluent
Clear.

David

3-20-14

checked plant + stn
exercized all equip
did no clean up
Effluent clear

David

2-23-14

Check Plant + stns
Exercized all Equ.

Dan

3-21-14
Checked plant + sts
exercised all equip
all ok. Cleaned up
+ hosed down. Effluent
Clear
Dave

3-25-14
Checked plant + sts
exercised all equip all
ok Cleaned up + hosed
down Effluent clear
Dave

3-26-14
Checked plant + sts
exercised all equip
all ok. Cleaned up
+ hosed down. Effluent
Clear
Dave

Flow?

3-27-14

Checked plant + SS
exercized all equip all
OK. Cleaned up + hosed
down. Pulled rags
hosed wells. Effluent
clear.

Dave

3-28-14

Check Plant from
Van all ok.

Shaun

0006450

3-28-14

Checked plants + SS
exercized all equip
all OK. Cleaned up +
hosed down. Pulled rags.
Effluent clear

Dave

3-29-14

Plant off Due
to Rain 10:36 am

Shawn

3-29-14

Check Plant I
Sts Again from
Rain. All Still
Ok. 1:03 pm

Shawn

3-30-14

Met Jolly, BCSD, IDOW ETC
About tank collapse.

3-31-14

Put up temporary fence
50 head time. Start Pumping
out Clarifier + Digester
Haul off full Cl_2 SO_2
Cylinders.

Shawn

4-3rd

Check All lift sts
from rain. All
ok.

4-4th

Check sts from
rain Again. All
Salt Primer was
drilled on Ch.
Reset & got
verify. Wet well
level was high.
It is ok now

4-3/4-14

Checked All lift sts from 6a.m. Including the St at the Plant. 10:25pm I Checked again at 4am Found Problem with #1 Self Priming Pump was able to Fix Connection Problem. Stayed with Pump for a while & then Checked remote lift sts again. until 8am

Shaun

4-4-14

Checked lift sts. Stayed at Plant from 11:30am to 5pm. Assisted Pecco & kept eye on lift st water levels.

Terry

4-4-14

Alarm Call at HH2.
Checked All light sts
Again at 10:45 Pm

[signature]

4-5-14

Check all light sts
from last 3 Am

[signature]

4-6-14 11:50 Am

Check All light sts
Exercised All Equ.P.

[signature]

4-7-14 9 Am

Dropped off 4.in
Check value for
BCSD

[signature]

4-7-14

Belts Broken on #1 Self Primer. Installed New Belts & got Pump back in Service 4:50 pm.

4-8-14

Picked up Spare Belts for each Self Primer. BCSD was Suppose to be here at 9 am to make their final hookup to Pump to their Manhole. As of 10:15 Am they are not here.

4-8-14

Check all lift sts from 9:22 pm. 4-8-14 11:42am

All ok. No extra Bypassing Anywhere. checked on Lift Sts did equipment Check all is ok.

Shawn

David

4-9-14 8:51 AM

Checked lift sts. BCSD not working at their st at this time. We are still Not Pumping to them.

Shawn

4-9-14 4:27 PM 4-9-14 5:05 pm

Checked Progress at BCSD Their Pump is not working at their st. They have to fix that Problem before they Can take air Chan. Checked on Lift St did equipment Check all is ok

David

They did install an hour Meter in our Control Panel today. SF

4-8-14 5:17 Pm

Met BCSD at Plant.
They Got our Submersible
Pump hooked back in
to their line to Pump
to Manhole. Started
Pumping to their Manhole
at 2:15 Pm. After
they Conducted their
Draw down tests
at their list St they
determined they had
a Pump not working
and could not handle
the extra flow we
were Sending to them.
They are Supposed to
get their Pump fixed
and we Should be
able to Pump to them
Shortly tomorrow. As of
Now our Self Primers
are Still running at Bypass.

4-10-14 10:50 Am

Came by to Check
on All lift sts.
Found Problem at
HHZ. Pumps are
Clogged. Having them
Pulled & Cleaned.
took Pictures of
Pecco Plant discharge
& around all of
their tanks to show
that they are not
discharging raw Sewage.

Shawn

* BCSD Still not
Pumping to their
S.t. *

4-10-14 2:30pm

Checked lift St
+ dual equipment Creek
got trash out of Creek
at #12 + dumped it
more still to get when
the Creek fully drys.
Daniel

4-11-14 11:52 Am

Checked oil in Blowers.
Greased Pumps + Blowers.
Tried to turn on Self
Primers to see if Reno
Could keep up with
flow. They are still
unable to. BCSD still
not Pumping to their
St. Charlie Bath was
here. Self Primers still
on + Bypassing.

4-11-14 12:30pm

Checked Lift Stations
exercized all equipment
all ok cleaned up
trash in Creek Still
needs cleaning. Everything
else ok.

David

4-13-14 12:40pm

Checked Lift Sts.
All Equip ok.
BCSD still not
Pumping to their
Lift St. Still
Bypassing at Plant.

[signature]

4-14-14 5:12 AM

Check all Sts from
Town.

[signature]

4-14-14 3:47pm

Made new PVC Air drop for Digester. Got it installed & working. tried to spread some more lime but it all washes away. BCSD still not pumping to their St.

4-15-14 9:15 Am

Check all lift sts wet well level is high here at Plant. At this time we do not need another Pump but we need to keep an eye on it.

4-15-14 9:38am

Found digester Air
drop lifted out of
water. It is likely
the Entire Pipe
from the Air header
and twisting it.
Will bring the welder
over and tack it
all into Place at
a later time. Blower
and Air drop off
for now.

Shawn

4-15-14 5:36pm

Checked stations Exercised
all equip all ok. Met
with Shawn at HH2 for
E. Coil found float hung
up on some rags. Got
it back in Service. All OK

4-11-14 11:50am

Relaxed digester Air
drop & got it
back in Service.
BCSD still not Pumping.

4-16-14 3pm

Checked Lift stations
exercised all equipment
all OK

David

4.17.14 8:30 Am

Checked Lift station
and Plant All OK

TERM

4-18-14 3:28pm

Checked All Lift Sts. Spread
more lime around tank &
Driveway. Took our trailer
to the Shop. Put up more
Construction fence around trees.
Met Larry here BCSD Still
Not Pumping

SH

4-18-14 4:45pm

Checked [illegible] & SB

exercised all equip

all ok

David

4-19-14 11am

Checked both Lift

Stations exercised

all equipment all ok

David

4-20-14 6:20 pm

Check all lift

St. Check Digester

A: Dick BCSD

Still not running.

4-21-14 8:21am

Checked lift stations
exercised all equip
all OK.

David

4-21-14 8:40am

Check Situation at
Plant. All Sts &
BCSD Still not
Running.

[signature]

4-22-14 5:00pm

Checked all Lift
stations exercised
all equipment. All
is OK.

David

4-22-14 5:38pm

Check Sts. On
Equip ok. BCSD
Still not Pumping
to their St.

[redacted]

* tried to turn off our
Self Primers & let
Recco handle all the
flow. our Peak flow
Period is too much
for them to [redacted]
take. *

1-23-14 10:50am

Checked Lift stations
exercised all equipment
all ok.

David

4-23-14 4:10 Pm

Spread more lime in
field. Got it Covered
well. Headden was
here Pumping out digesters

Steve

4-24-14 10:55 Am

Check sts. All equal
ok. Headden Pumping
more from digester
now. BCSD still not
Pumping to their st.

-1

4-25-14 10:27am

Checked sts exercised

all equip all OK.

Dwd

4-27-14 11:35am

Checked sts exercised

All Equip. BCSD

Still not Pumping

to their st.

4-27-14 10:55pm

Check sts from

rain All ok.

4-28-14 1:32am

Check sts again from

rain. All ok unhooked

submersible Pump from

tank Pile so we could

use it inside.

4-28-14 7:05Am

Check all Sts from heavy rain again. All still ok.

Shawn

4-28-14

Kept eye on all lift St today. Set up trash Pump at HH 2.

Terry

4-28-14 7:10Pm

Check Sts again. Still have trash Pump Acting at HH2 and emergency Pump going at Lift 2. Sump at Plant ok.

Shawn

4-28/29-14

Stayed with trash Pump at HH2. Checked other Sts As well. Shawn

4-29-14 3:30pm

Checked STS exercised

all equip all ok.

Turned Zinir t-pump

off at 3:15pm.

Dwd

4-29-14 10:04am

Check all STs

from rain. All

Still ok. No

extra Runoff sig.

Shawn

4-30-14 3:10am

Check all STs

All still ok.

Shawn

4-30-14 10:49am

Check all sts. ok

Bypass pumps running

Our self primers still

running. BCSD still

not running to their

st.

Shaun

5-1-14 8:40am

Check all sts

Generator Equip

ok. BCSD still

not running.

Shaun

5-2-14 10:20 Am

Check all sts.

All levels ok

BCSD still not

running to their

st.

Shaun

5-3-14

Check Sts All
Equip ok. BCSD
Still not Pumping
to their St.

Shaun

5-4-14 11:04am

Check all Sts
Exercised All
Equip BCSD
Still not Pumping
to their St.

Shaun

5-5-14 7:20am

Check Sts Exercised
All Equip BCSD
Still not Pumping to
their St.

Shaun

5-6-14 8:00 AM

LINE LOT

TERRY

5-7-12 6:57Pm

Check Sts Exercised

All Equ. will have

Okeloma Septic Pull

a load from Creek

Acad. All Equ'l do.

BCSD Still Not

Pumping to their St.

Shawn

5-8-12 10:40AM

Check All Sts. Exercised

All Equ. All do.

BCSD Still Not

Pumping to their St.

Shawn

5-9-12 8:10Am

Check Sts Exercised All Equ'l

BCSD Still Not Pumping to

their St. Bullitt Septic

Service Here Cleaning Creek

Shawn

5-9-14 11:25Pm

Check all Sts

Heavy Rain. All

ok at this time.

Shawn

5-10-14 3:20Am

Check all Sts.

Bypass Pump at

Plant Have to

kick on. Both

Self Primers Running

All time.

Shawn

5-10-14 9:15Am

Check all Sts again

Both Self Primers Still

Running Full time.

Emergency Pump Still

Cycling on and on.

Shawn

5-10-14

Check all Sts Exercized
Equip. Still heavy flow
from rain.

5-11-14

Had Call saying Pumps
Would not quit running
and they were flooding
the wet well Dry.
#1 Contactor stuck
in. Makes the Pump
run non stop. #2 Contactor
Stuck out. will not
engage at all. Bypass
Pump and Pecco able
to handle the flow.
Need 2 new Contactors
for Solt Primers
dolivered today.

5-12-14 12:20pm

Came to see what
problem with wet
well was. Bypass
Pump discharge hose
fell in wet well.
David is going
to pick it out
and secure it
back.

Shawn

5-12-14 9:15pm/11:20pm

Checked lift stations
exercised all equip
all ok. Tried to
get discharge out of
plant station was
unable to do so alone
all else ok. Shawn
came swapped ~~Dave~~
Contacted get #1 pump
running bypass has stopped

David

5-13-14

Checked all stations
emergency equip all
ok. got Emerg
discharge hose out of
wet well at plant.
David

5-14-14 10:40 am
Installed 2 new Contactors
and overloads in Self
Primer Control Panel. Wired
Contactor back in Emergency
Pump Panel. All Pumps
working Correctly now. Phase
Monitor in Self Primer
Panel needs to be replaced.
Shawn

5-14-14
-Checked Sts emergency
equip. all OK
David

5-14-14 9:29Am

Had Call about water in basement on Angeline. Found Phase Monitor for Self Primers Burnt up. Neither Pump was running. Bypassed Controls & got #1 Pump back in Service. Hot emergency Pump turned on and in Service. Level in wet well is Subsiding.

Shawn

5-15-14 1:42Am

Check all sts from rain

Shawn

5-15-14 3:33Am

Check all sts from rain

T.

5-15-14 9:10am

Check all sts from rain. Found New Phase Monitor for Self Primers. #1 Pump Still running Constantly. Emergency Pump Cycling off/on.

Shawn

5-15-14 1:45pm

Changed Phase Monitor for Self Priming Pumps. Put All 3 Pumps working Correctly again.

Shawn

5-15-14

Cleaned all sts exposed equip all OK.

David

5-16-14

Checked all STS
exercized all equip
all OK.

David

5-16-14 Chris

Came to see why
Self Primers not
running. Found main
Breaker tripped. Power
was back feeding
to breaker panel.
Re wired & got
working. Will Replace
Conduit & wire
first of the week.
All Pumps working
Correctly now.

5-17-14

5-18-14 12:40pm

Check Sts Exercise Equip. All ok. All working Correctly. Boss still not Pleased to their St.

Shawn

5-19-14 3:50pm

Came by Park & Jeff Park Jr. together to run new wires to Pump Control Panel from Main Breaker box. Also Started working on Removing Air Grabs & Foam Suction Pipe.

Shawn

5-20-14

Checked all s/s

exercised all eq wp

all ok

Dawd

5-20-14 4pm

Cut of old foam

Suppression Pipe &

moved out of the

way. Ran out of

Oxy & Acet. Got

Cylinders exchanged. Will

Cut More at a

later time. Veolia

Water Came & Rolled

Samples. Headden also

Came & Swept Pad.

Thay took 1 5K

load. All Equip ok

Shawn

5-21-14

Checked all lift stations exercised equipment all OK.

Darrick

5-22-14 3:14Am

Check All Sts from rain. Ok

Shawn

5-22-14 8:40am

Check all sts Again. All still dr.

Shawn

5-22-14

Checked sts exercised all equip all ok

Darrick

5-23-14

Checked all Lift
Stations. Exercised
all equip all OK
David

5-24-14

Checked all lift
Stations exercised
all equip all OK
David

5-25-14 9:10a

Check Sts. Exercised
all Equip. All
ok. BCSD still
not Pumping do
their St.
Shawn

5-26-14 7:15a

Check Sts Exercised
All Equip BCSD
Still Not Pumping All
Equip ok.
Shawn

5-28-14 8:30am

Checked all STs

exercized all equip

all sic. Heathen.

Coming & clean

Creek

Daniel

5-28-14

Check all sts.

Exercised All

Eq.P. Bcs still

Not Pumping to

this st.

5-29-14 10Am

Cut Rest of Air

dabs and foam

Suppression Pipe.

5-29-14 Lepa

Checked Self Primers

Got them working

again

Shawn

5-29-14

Checked all Lift

stations exercised all

equip all OK self-Primers

are working at plant

lift station.

Darrel

5-30-14 11:50 am

Alarm Call at Attz.

was able to get

Pumps Partially working.

Rec Comp to Pull

& Clean Pumps.

Checked Self Primers.

All working ok.

Shawn

5-30-14 3:40 pm

checked all sts

exercized equip all

ok Rivercity still at

HH2 working.

David

5-31-14

Checked sts exercized equip David

6-1-14 7:40am

Check All Sts

Exercized All

Equip All ok.

BCSD Still not

Employ to their

St.O

Shawn

10-2-14

Checked all sts

exercized all equip

All ok. Cleaned up

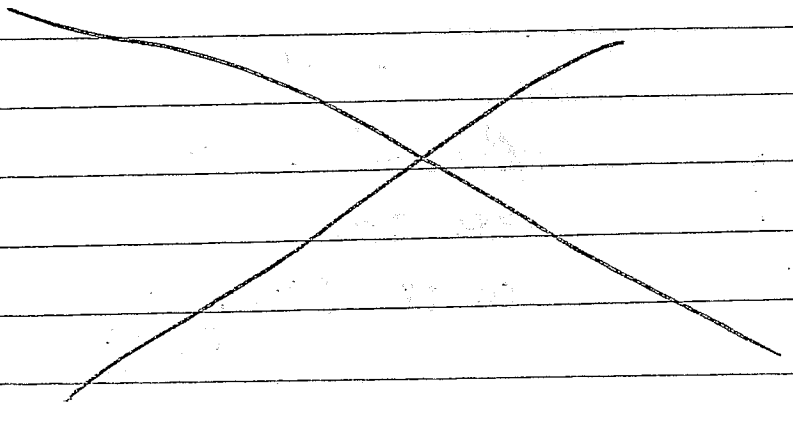
David

6-3-14

Check Sts. Found
Problem at HHz.
ORdered More
Floats. Bcsd still
not Pumping. Shawn

6-4-14

Checked Stations
exercized all equip
#2 Pump at Zinn
overload was tripped
reset + got it working.
levels Just under Leg Floats
will keep an eye on
during storms tonight.
All else ok.
Dawn



6-5-14 11:40Am

Met Rec at Plant to discuss running elec. to temp Plant. Also weedeated Some around Bldg and in front of Plant. Bought weed killer & Sprayed All around yard.

Shawn

6-6-14 12:29pm

Performed Preventive Maintenance.

Shawn

6-16-14

Checked [redacted] Stations exercized all equip all ok. Cleaned up Some rags all ok

David

6-7-14

Checked the stations
exercised all equip
all OK.

David

6-8-14 Thu

Check all sts. found
#1 Self Primer turned
off. Emergency Pump
was running. Put #1
pump back on and
working.

Shawn

6-9-14

Checked all STS
exercized all equip
all OK. self primers working

David

6-10-14 9:10Am

Check STS Exercised

All Equip OK.

RCSD still not

Pumping to their

St.

[signature]

6-11-14

Checked STS exercised

equip all OK

[signature]

6-12-14

Checked all STS

exercised all equip

all OK.

[signature]

6-13-14 12Pm

Observed Progress being

Made by Recco & Veolia

[signature]

Covered Bridge Utilities, Inc.
1706 Bardstown Road
Louisville, KY 40205-1212
(502) 238-3301

CONTRACT FOR SEWAGE TREATMENT PLANT OPERATION

1. Plant owner or responsible party: Bullitt Utilities, Inc.
   Hunters Hollow Sewer System
   1706 Bardstown Road
   Louisville, KY 40205
2. Location: WS Bluelick Road
   Louisville, KY 40165
3. Type and capacity:

4. Fee: $1,365.00 / month

5. Fees to be paid in advance on the first day of each month.

6. Period of Contract: December 1, 2002 through December 1, 2003

7. In the event the plant owner does not fulfill any portion of this Contract, a 30 day notice will be given to the owner of the Service Company. After this time, this Contract becomes null and void, and all fees paid to date become the property of the Service Company.

8. Items specifically included will be as follows:
- Frequency of Inspection: Daily
- Application of chemicals as needed
- Major repairs by our Service Department will be charged at the rate of $40.00 per man hour and $.35 per mile.

9. The Owner will provide all utilities, parts, chemicals, and materials required for operating, maintenance and maintaining the said System.

10. Other items not specifically included that are Owners responsibility.
- Extra Labor: Required or called for by Plant overload, major equipment repairs, general painting of buildings and equipment, piping, etc., flooding, windstorms, etc.
- Sludge Hauling: Owner to provide and pay for hauling excess sludge when required.
- Chemicals: Owner to supply required chemicals, i.e. powder, tablet, gas or liquid chlorine, sulfur dioxide, etc.

- Discharge permit analysis: Owner to provide the services of a private laboratory to perform the required analysis to comply with the KPDES permit. (Covered Bridge Utilities, Inc. can make the necessary arrangements upon request.)

11. Access Road: The Owner is to maintain a reasonable access road to the plant site.

12. The Service Company will provide its own workmen's compensation and liability insurance.

13. The Service Company will not be liable for vandalism, or breaking and entering the said location.

14. Any unauthorized persons or equipment on said location without the permission of the Service Company, will not be the liability of the Service Company.

15. If at any time during this Contract, the plant becomes overloaded due to extra connections, stronger than normal sewage, commercial or industrial waste being added requiring more than normal operation attention, the Service Company reserves the right to negotiate with the owner for proper compensation.

16. The Owner should provide protection to all exposed piping to prevent freezing and hampering operational procedure during winter months.

17. The Service Company is not liable for damage due to ice and freezing only to the extent where negligence is indicated.

18. Purchase for parts, chemicals, materials and services in access of $150 will be approved by the Owner prior to purchase and invoiced directly to Owner.

19. The Service Company is not to be held liable for objections to sewage system, noises, odors, effluent, frothing or other peculiarities inherent to such a system only to the extent of cancellation of this Contract.

Covered Bridge Utilities, Inc.

By: _____
Date: _____

Hunters Hollow Sewer System

By: _____
Date:

Memorandum

To: Linda Wood

From: Larry Smither

Date: 1/30/2014

Re: Hunters Hollow KPDES Permit Application

Linda,

I talked to Erin Lawson, DOW Permits Branch, this morning regarding Hunters Hollow's KPDES application. She confirmed application was assigned to a receiver but had no idea when draft will be issued. We are operating under the old permit.

KPDES FORM 1

AI: 448

KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

PERMIT APPLICATION

RECEIVED
SEP 13 2013
SWPB

This is an application to: (check one)
- ☐ Apply for a new permit.
- ☒ Apply for reissuance of expiring permit.
- ☐ Apply for a construction permit.
- ☐ Modify an existing permit.
  Give reason for modification under Item II.A.

A complete application consists of this form and one of the following:
Form A, Form B, Form C, Form F, or Form SC

For additional information contact:
Surface Water Permits Branch (502) 564-3410 CK 740-

I. FACILITY LOCATION AND CONTACT INFORMATION	AGENCY USE: 0 0 3 8 1/2 1 0
A. Name of Business, Municipality, Company, Etc. Requesting Permit Bullitt Utilities dba Hunters Hollow Sewer System	
B. Facility Name and Location Hunters Hollow	C. Primary Mailing Address (all facility correspondence will be sent to this address). Include owner's mailing address (if different) in D.
Facility Location Name: HUNTERS HOLLOW SUBDIVISION	Facility Contact Name and Title: Mr. ☒ Ms. ☐ CARROLL F COGAN, PRES.
Facility Location Address (i.e. street, road, etc., not P.O. Box): BLUE LICK ROAD	Mailing Address: P. O. Box 91588
Facility Location City, State, Zip Code: LOUISVILLE, KY 40229	Mailing City, State, Zip Code: Louisville, KY 40291
D. Owner's name (if not the same as in part A and C): CARROLL F COGAN	Facility Contact Telephone Number: 888-336-1688
Owner's Mailing Address: P. O. Box 91588 Louisville, KY 40291	Owner's Telephone Number (if different): 502-452-6205

II. FACILITY DESCRIPTION

A. Provide a brief description of activities, products, etc:

THIS TREATMENT PLANT TREATS THE DOMESTIC WASTE FROM THIS RESIDENTAL DEVELOPMENT.

B. Standard Industrial Classification (SIC) Code and Description

Principal SIC Code & Description:	8811 PRIVATE HOUSEHOLD		
Other SIC Codes:			

III. FACILITY LOCATION

A. Attach a U.S. Geological Survey 7 ½ minute quadrangle map for the site. (See instructions)

B. County where facility is located: BULLITT	City where facility is located (if applicable): HILLVIEW
C. Body of water receiving discharge: TRIBUTARY TO BROOKS RUN	
D. Facility Site Latitude (degrees, minutes, seconds): 38 04 25	Facility Site Longitude (degrees, minutes, seconds): 85 41 38
E. Method used to obtain latitude & longitude (see instructions):	TOPO MAP

IV. OWNER/OPERATOR INFORMATION

A. Type of Ownership:
☐ Publicly Owned ☒ Privately Owned ☐ State Owned ☐ Both Public and Private Owned ☐ Federally owned

B. Operator Contact Information (See instructions)

Name of Treatment Plant Operator:	Telephone Number:
LAWRENCE W SMITHER	502-241-4809
Operator Mailing Address (Street): P. O. BOX 91588	
Operator Mailing Address (City, State, Zip Code): LOUISVILLE, KY 40291	
Is the operator also the owner? Yes ☐ No ☒	Is the operator certified? If yes, list certification class and number below. Yes ☒ No ☐
Certification Class: II	Certification Number: 13390

V. EXISTING ENVIRONMENTAL PERMITS

Current NPDES Number:	Issue Date of Current Permit:	Expiration Date of Current Permit:
KY0038610	10/24/08	11/30/13
Other DOW Operational Permit #:	Kentucky DMR Permit Number(s):	Sludge Disposal Permit Number:
Other Existing Environmental Permit #:	Other Existing Environmental Permit #:	Other Existing Environmental Permit #:

Which of the following additional environmental permit/registration categories will also apply to this facility?

CATEGORY	EXISTING PERMIT WITH NO.	PERMIT NEEDED WITH PLANNED APPLICATION DATE
Air Emission Source	NA	
Solid or Special Waste	NA	
Hazardous Waste - Registration or Permit	NA	

VI. DISCHARGE MONITORING REPORTS (DMRs)

KPDES permit holders are required to submit DMRs to the Division of Water on a regular schedule (as defined by the KPDES permit). Information in this section serves to specifically identify the name and telephone number of the DMR official and the DMR mailing address (if different from the primary mailing address in Section I.C).

A. DMR Official (i.e., the department, office or individual designated as responsible for submitting DMR forms to the Division of Water):	LAWRENCE W SMITHER
DMR Official Telephone Number:	502-241-4809

B. DMR Mailing Address:
- Address the Division of Water will use to mail DMR forms (if different from mailing address in Section I.C), or
- Contact address if another individual, company, laboratory, etc. completes DMRs for you; e.g., contract laboratory address.

DMR Mailing Name:	BECKMAR ENVIRONMENTAL LABORATORY
DMR Mailing Address:	3251 RUCKRIEGEL PARKWAY
DMR Mailing City, State, Zip Code:	LOUISVILLE, KY 40299

VII. APPLICATION FILING FEE

KPDES regulations require that a permit applicant pay an application filing fee equal to twenty percent of the permit base fee. Please examine the base and filing fees listed in "Form 1 Instructions" and enclose a check payable to "Kentucky State Treasurer" for the appropriate amount. For permit renewals, please include the KPDES permit number on the check to ensure proper crediting. Please see the separate document "General Instructions" for an expanded description of the base fee amounts.

Facility Fee Category:	Filing Fee Enclosed:
LARGE NON-POTW	740.00

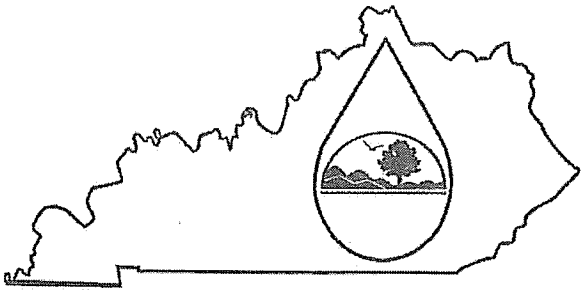
VIII. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME AND OFFICIAL TITLE (type or print):	PHONE NUMBER: 502-452-6205
Mr. ☒ Ms. ☐ CARROLL F COGAN, PRES.	EMAIL: linda_wood@bellsouth.net
SIGNATURE Carroll F. Cogan by L. Wood	DATE: 9/11/13

Return completed application form and attachments to: **Surface Water Permits Branch, Division of Water, 200 Fair Oaks Lane, Frankfort, KY 40601. Direct questions to: Surface Water Permits Branch at (502) 564-3410.**

KPDES FORM SC



KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

PERMIT APPLICATION

A complete application consists of this form and Form 1.
For additional information, contact: Surface Water Permits Branch, (502) 564-3410.

NAME OF FACILITY: HUNTERS HOLLOW SEWER SYSTEM

I. FACILITY DISCHARGE FREQUENCY	AGENCY USE								

A. Do discharge(s) occur all year? Yes ☒ No ☐
(Complete Item IX for intermittent discharges.)

B. How many days per week? 7

II. A. Give the basis of design for sizing of the wastewater facility (see instructions):

This treatment plant was sized to treat the domestic waste from 625 single family residences.

B. If new discharger, indicate anticipated discharge date:	
C. Indicate the design capacity of the treatment system:	.250 MGD

III. Outfall Location (see instructions)

Outfall (list)	LATITUDE			LONGITUDE			RECEIVING WATER (name)
	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds	
001	38	04	38	85	40	00	TRIBUTARY TO BROOKS RUN

Method used to obtain latitude/longitude (i.e. GPS unit, USGS topographic map coordinates, etc.)	Topo Map

IV. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES (see instructions)

OUTFALL NO. (list)	OPERATION(S) CONTRIBUTING FLOW		TREATMENT	
	Operation (list)	Avg/Design Flow (include units)	List treatment components	List Codes from Table SC-1
001	Sanitary Wastewater	.199 / .250	Aeration	3-M
			Settling	1-U
			Disinfection	2-F
			Dechlorination	2-E
			Post Aeration	3-L

V. Check the type(s) of wastewater discharged.

☒ Domestic (60% or more sanitary sewage) ☐ Oil field waste

☐ Noncontact cooling water ☐ Other (list):

VI. Does all water used at facility (except for human consumption) flow to a treatment plant? ☐ **Yes** ☒ **No N/A**

VII. Discharge to other than surface waters. Check appropriate location: N/A

☐ Publicly-owned lake or impoundment Name of lake:

☐ Publicly-owned treatment works (POTW). Name of POTW:

☐ Land application of Effluent

☐ Surface injection (Check term and identify on map) ☐ lateral field; ☐ sinkhole; ☐ sinking stream; ☐ deep well

☐ Closed Circuit (Check appropriate term) ☐ Holding tank; ☐ Mechanical evaporation; ☐ Waste impoundment

VIII. Check the metals present in the discharge if applicable and indicate the quantity discharged per year. (Indicate units).
NA

☐	Antimony		☐	Copper		☐	Silver	
☐	Arsenic		☐	Lead		☐	Thallium	
☐	Beryllium		☐	Mercury		☐	Zinc	
☐	Cadmium		☐	Nickel		☐		
☐	Chromium		☐	Selenium		☐		

IX. INTERMITTENT DISCHARGES (Complete this section for intermittent discharges.)		
A. Number of bypass points:	NA	(If bypass points are indicated, information below must be completed for each bypass.)

Check when bypass occurs: NA	☐ Wet Weather	☐ Dry Weather
Give the number of bypass incidents	per year	per year
Give average duration of bypass	hours	hours
Give average volume per incident	gallons	gallons
Give reason why bypass occurs:		

B. Number of Overflow Points: NA (If discharge is from an overflow point, the information below must be completed.)		
Check when overflow occurs:	☐ Wet Weather	☐ Dry Weather
Give the number of overflow incidents:	per year	per year
Give average duration of overflow:	hours	hours
Give average volume per incident:	gallons	gallons

C. Number of seasonal discharge points NA	
Give the number of times discharge occurs per year	
Give the average volume per discharge occurrence	
Give the average duration of each discharge	
List month(s) when the discharge occurs	

X. AREA SERVED (see instructions)	
NAME	**ACTUAL POPULATION SERVED**
Hunters Hollow Subdivision	504 R.E.'s
TOTAL POPULATION SERVED	

XI. COOLING WATER ADDITIVES AND THEIR COMPOSITIONS N/A		
Additive	Composition	Concentration (mg/l)

XII. EFFLUENT CHARACTERISTICS			
A. Indicate results of analysis for pollutants listed below.			
POLLUTANT/PARAMETER	MAX DAILY VALUE	AVG DAILY VALUE	NUMBER OF SAMPLES
BOD_5	6	5	4
TOTAL SUSPENDED SOLIDS	BMDL	BMDL	4
FECAL COLIFORM ☐ Or E.COLI ☒	75	18	4
TOTAL RESIDUAL CHLORINE	BMDL	BMDL	4
OIL AND GREASE	≤4	≤4	1
CHEMICAL OXYGEN DEMAND	Waiver requested		
TOTAL ORGANIC CARBON	Waiver requested		
AMMONIA	1.5	0.5	4
DISCHARGE FLOW	.295	.210	4
pH	7.50	7.20	4
TEMPERATURE (WINTER)	Waiver requested		
TEMPERATURE (SUMMER)	Waiver requested		

B. Frequency and duration of flow:	Continuous

XIII. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME AND OFFICIAL TITLE (type or print):	TELEPHONE NUMBER (area code and number):
Mr. ☒ Ms. ☐ CARROLL F COGAN, PRES.	502-452-6205
SIGNATURE Carroll F. Cogan By D. Wood	DATE 9/11/13

STEVEN L. BESHEAR
GOVERNOR

LEONARD K. PETERS
SECRETARY

ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF WATER
SURFACE WATER PERMITS BRANCH, PERMIT SUPPORT SECTION
200 FAIR OAKS LANE, 4TH FLOOR
FRANKFORT, KENTUCKY 40601
http://water.ky.gov/

JUN 27 2013
SECOND NOTICE

February 11, 2013

Mr. Lawrence Smither
1706 Bardstown Road
Louisville, KY 40205

RE: **Permit Expiration Notification and Solicitation for New Permit Application**
Agency Interest Number (AI #): 448
KPDES Permit #: KY0038610 Hunters Hollow Subdivision
Location: Jefferson

Dear Mr. Smither:

Our records indicate that your Kentucky Pollutant Discharge Elimination System (KPDES) permit is due to expire November 30, 2013. Pursuant to KPDES Regulation 401 KAR 5:060, Section 1(5) (a) and (b) Duty to reapply, any POTW or permitee with a currently effective permit shall submit a new application at least 180 days before the expiration of the existing permit. In accordance with 401 KAR 5:060, Section 1(5)(c) the conditions of an expired permit shall continue in force until the effective date of a new permit if a complete and timely application has been submitted. A complete and timely application shall include all elements required by 401 KAR 5:060, Section 1(7) information requirements and Section 1(8) KPDES permit fees which is deemed complete on or before 180 days before the expiration of your permit. Pursuant to 401 KAR 5:075, Section 1(2) the cabinet shall not begin processing of a permit until the applicant has fully complied with the requirements of 401 KAR 5:060, Section 1.

Copies of the application forms for obtaining a new permit may be found by using this link; http://dep.ky.gov/formslibrary/Pages/default.aspx. You will need a copy of **Form 1** and instructions and **Form SC,** also the General Instructions. Please use the word version as the PDF will not allow you to make changes. Please note that completion of these forms requires the collection and analysis of the discharge and that pursuant to 401 KAR 5:075, Section 1(4) the cabinet has up to 60 days to determine if the application is complete. Incomplete applications shall be returned to the applicant to correct deficiencies. Failure to submit a complete application 180 days prior to the expiration of the permits shall result in the termination of the permit and may result in appropriate enforcement action. Therefore it is recommended that the application be submitted to the Surface Water Permits Branch, Division of Water, at the above address as soon as possible.

If you have any questions regarding the completion of these forms, please contact Shawn Hokanson at (502) 564-8158, extension 4923, or me at extension 4918.

Sincerely,

Ann S. Workman

Ann Workman,
Permit Support Section
Surface Water Permits Branch, Division of Water

STEVEN L. BESHEAR
GOVERNOR

ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF WATER
200 FAIR OAKS LANE
FRANKFORT, KENTUCKY 40601
www.kentucky.gov

LEONARD K. PETERS
SECRETARY

September 30, 2013

Carroll Cogan
Hunter Hollow Subdivision
PO Box 91588
Louisville, KY 40291

Re: KPDES Application Complete
KPDES No.: KY0038610
AI ID: 448
Bullitt County, Kentucky

Dear Mr. Cogan:

Your revised Kentucky Pollutant Discharge Elimination System (KPDES) permit application for the above-referenced facility was received by the Division of Water September 13, 2013. A completeness review of your permit application has been conducted and your application has been determined to be administratively complete. This means that your application will now be assigned to a technical reviewer. Please be aware that you may be asked to provide additional information to clarify, modify, or supplement your application material. In accordance with 401 KAR 5:075, Section 1(7) you are being provided written notification that your application has been deemed complete as of the date of this letter.

If you have any questions concerning this matter please contact me at (502) 564-3410 extension 4960 or by email at Erin.Lawson@ky.gov .

Sincerely,

Erin Lawson

Erin Lawson
Surface Water Permits Branch
Division of Water

c: TEMPO