

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION  
CASE NO. 2015-00100

RECEIVED

IN THE MATTER OF:

AN INVESTIGATION OF CEDAR HILLS DISPOSAL  
SANITATION CORPORATION'S NOTICE OF  
INTENT TO ABANDON SERVICE

OCT 12 2015  
PUBLIC SERVICE  
COMMISSION

DAVIESS COUNTY FISCAL COURT'S RESPONSE  
TO COMMISSION STAFF'S FIRST REQUEST FOR INFORMATION

In response to Commission Staff's First Request for Information, Daviess County Fiscal Court states as follows:

1. Confirm that Daviess County allocated \$25,000.00 to the Regional Water Resource Agency ("RWRA") in June 2015 for the purpose of inspecting the Cedar Hills Sanitation Disposal Corporation and Friendly Park Development, Inc. ("Friendly Park") sanitation systems.

Answer: Yes.

2. State whether the inspection of the Cedar Hills sanitation system has been conducted.

Answer: Yes, Regional Water Resource Agency inspected Cedar Hill sanitation system from July 13, to August 28, 2015

3. Briefly describe what the inspection entailed and the results of the inspection.

Answer: Please see the attached report along with the Cedar Hills Private Sewer System Inspection Executive Summary

4. Provide the status of RWRA's plan, if any, to take over the Cedar Hills system.

Answer: RWRA has investigated and preliminarily identified present issues that would need to be addressed by *any* entity in an attempt to provide service to the current customers of Cedar Hills Sanitation Corporation, as well as other nearby property owners. There are unresolved questions about the scope and method of any project to provide acceptable service to the area, as well as potential sources of financing necessary to provide these services at this time. However, RWRA is investigating the possibility of attaching the Cedar Hills sewer collection system to RWRA's sanitary sewer system.

5. State whether RWRA has procured any additional funding sources for the purpose of acquiring or managing Cedar Hills.

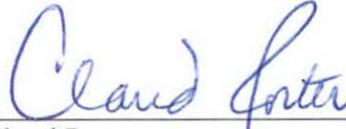
Answer: No.

6. State the distance between the Cedar Hills sanitation system and RWRA's system.

Answer: The distance from the pump station at Countryside Drive to the Cedar Hills Package Plant is approximately 9,800 LF, or about 1.9 miles.

I certify that the responses to the commission staff's request for information are true and correct to the best of my knowledge and belief.

This the 8<sup>th</sup> day of October, 2015.



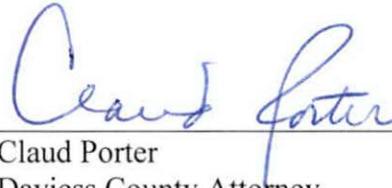
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Claud Porter  
Daviness County Attorney  
212 St. Ann Street, Room 202  
PO Box 1716  
Owensboro, KY 42302  
(270) 685-8424

**CERTIFICATE OF SERVICE**

I certify that I mailed a true and copy of the foregoing to A.V. Conway, Conway & Keown, 124 W. Union Street, P.O. Box 25, Hartford, KY 42347.

This the 8<sup>th</sup> day of October, 2015.



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Claud Porter  
Daviness County Attorney

# Cedar Hills Private Sewer System Inspection Executive Summary

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## **RWRA Work Order: 15-001901**

WO Start Date: July 13, 2015

WO Completion Date: August 28, 2015

At the request of Daviess County Fiscal Court, RWRA was tasked with performing a comprehensive inspection of the Cedar Hills sewer collection system. RWRA requested and was granted a right of entry to complete inspection services on July 13, 2015. RWRA performed inspection services on all accessible sewer assets in the private collection system within the capabilities of RWRA staff and equipment. RWRA did not comprehensively inspect Cedar Hills pump station, wastewater treatment facility (package plant) or associated equipment that serves this collection system.

RWRA was successful in inspecting approximately 8,453 LF of sewage collection mains, taps, laterals and structures within the privately owned system. Approximately 18% of the known 10,253 LF of sewer collection system was inaccessible to RWRA's inspection equipment due to various blockages, defects and structural failures. Of the inspections performed, approximately 118 individual repairs consisting of structure sealings, casting adjustments/replacements, lateral repairs/replacements, main repairs/replacements and point repair liners in addition to an estimated 282 LF of CIPP sewer linings are recommended to correct various defects as detailed in the individual asset inspection reports contained herein. RWRA also recommends repair/replacement considerations be made for the 1,800 LF of sewer collection assets that were inaccessible for inspection. Additionally, there are portions of the existing sewer collection system to the south of KY54 that have not been constructed to RWRA standard specification.

Individual pipe/structure segment inspection results are detailed in the following pages. Camera inspection records have been included in this report in .mpg format on the enclosed memory stick. RWRA staff has reviewed the inspection videos and notes and all noted repairs/remedies included herein are recommendations only and not to be considered 100% accurate.

# Cedar Hills Private Sewer System Inspection Executive Summary

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CODE	DESCRIPTION	CODE	DESCRIPTION
B	BROKEN PIPE	H	HOLE IN SEWER
BJ	BROKEN PIPE AT JOINT	HSH	HYDROGEN SULPHIDE (HEAVY)
BR	BRANCH MAJOR	HSL	HYDROGEN SULPHIDE (LIGHT)
CAF	CONTINUE AGAINST THE FLOW	HSM	HYDROGEN SULPHIDE (MEDIUM)
CAW	CAMERA ABOVE WATER	ID	INFILTRATION DRIPPER
CC	CRACK CIRCUMFERENTIAL	IDJ	INFILTRATION DRIPPER AT JOINT
CCJ	CRACK CIRCUMFERENTIAL AT JOINT	IG	INFILTRATION GUSHER
CL	CRACK LONGITUDINAL	IGJ	INFILTRATION GUSHER AT JOINT
CLJ	CRACK LONGITUDINAL AT JOINT	IR	INFILTRATION RUNNER
CM	CRACKS MULTIPLE	IRJ	INFILTRATION RUNNER AT JOINT
CMJ	CRACKS MULTIPLE AT JOINT	IS	INFILTRATION SEEPER
CN	CONNECTION	ISJ	INFILTRATION SEEPER AT JOINT
CNI	CONNECTION INTRUDING	JDL	JOINT DISPLACED LARGE
CNR	CONNECTION RUNNER	JDM	JOINT DISPLACED MEDIUM
CU	CAMERA UNDERWATER	JDS	JOINT DISPLACED SLIGHT
CWF	CONTINUE WITH THE FLOW	JN	JUNCTION
CX	CONNECTION DEFECTIVE	JNR	JUNCTION RUNNER
CXI	CONNECTION DEFECTIVE INTRUDING	JX	JUNCTION DEFECTIVE
CXR	CONNECTION DEFECTIVE RUNNER	JXR	JUNCTION DEFECTIVE RUNNER
D	DEFORMED SEWER	LC	LINING CHANGES
DA	DROP ASSEMBLY	LD	LINE DEVIATES DOWN
DC	DIMENSION CHANGE	LL	LINE DEVIATES LEFT
DE	DEBRIS (NOT GREASE OR SILT)	LR	LINE DEVIATES RIGHT
DEG	DEBRIS (GREASE)	LU	LINE DEVIATES UP
DEJ	DEBRIS AT JOINT	MB	MISSING BRICKS
DES	DEBRIS SILT	MC	MATERIAL CHANGES
DGJ	DEBRIS GREASE (AT JOINT)	MH	MANHOLE
DSJ	DEBRIS SILT (AT JOINT)	MM	MORTAR MISSING MEDIUM
EH	ENCRUSTATION HEAVY	MS	MORTAR MISSING SURFACE
EHJ	ENCRUSTATION HEAVY AT JOINT	MT	MORTAR MISSING TOTAL
EL	ENCRUSTATION LIGHT	NF	NOT FOUND
ELJ	ENCRUSTATION LIGHT AT JOINT	OB	OBSTRUCTION
EM	ENCRUSTATION MEDIUM	OBJ	OBSTRUCTION AT JOINT
EMJ	ENCRUSTATION MEDIUM AT JOINT	OJL	OPEN JOINT LARGE
ESH	SCALE HEAVY	OJM	OPEN JOINT MEDIUM
ESL	SCALE LIGHT	OJS	OPEN JOINT SMALL
ESM	SCALE MEDIUM	PB	PIPE BROKEN (BRICK)
FC	FRACTURES CIRCUMFERENTIAL	PC	LENGTH OF PIPE FORMING CHANGES
FCJ	FRACTURES CIRCUMFERENTIAL AT JOINT	PT	PLUGGED TEE
FH	FINISH OF SURVEY	REM	REMARKS
FL	FRACTURE LONGITUDINAL	RF	ROOTS FINE
FLJ	FRACTURE LONGITUDINAL AT JOINT	RFJ	ROOTS FINE AT JOINT
FM	FRACTURE MULTIPLE	RM	ROOT MASS
FMJ	FRACTURE MULTIPLE AT JOINT	RMJ	ROOT MASS AT JOINT
GO	GENERAL OBSERVATION	RS	REPAIRED SECTION
GP	GENERAL PHOTOGRAPH	RT	ROOTS TAP

CODE	DESCRIPTION
RTJ	ROOTS TAP AT JOINT
SA	SURVEY ABANDONED
SAF	START AGAINST THE FLOW
SC	SHAPE CHANGES
SI	STOP INSPECTION
SLI	START A LATERAL INSPECTION
SS	SURFACE DAMAGE, SPALLING
SSL	SURFACE DAMAGE, SPALLING LARGE
SSM	SURFACE DAMAGE, SPALLING MEDIUM
SSS	SURFACE DAMAGE, SPALLING SLIGHT
ST	START OF SURVEY
SW	SURFACE DAMAGE, WEAR
SWF	START WITH THE FLOW
SWL	SURFACE DAMAGE, WEAR LARGE
SWM	SURFACE DAMAGE, WEAR MEDIUM
SWS	SURFACE DAMAGE, WEAR SLIGHT
V	VERMIN (RATS & MICE)
WL	WATER LEVEL
X	SEWER COLLAPSED

7/13/15

We passed out cleaning / inspection notices to the Cedar Hills area.

7/14/15

We filmed 8" VCP main from M/H #10169 @ 3310 Woodlane Dr. to M/H #10170 BURIED @ 3406 Woodlane Dr. This pipe has many cracks, roots, and broken spots in it. It was also very dirty. We had trouble filming because of the debris, but were finally able to get through it. We then filmed 8" VCP main UPSTREAM from M/H #10175 @ 3444 Woodlane Dr. to M/H #10170 BURIED @ 3406 Woodlane Dr. This pipe had many infiltration seepers at joints. There was one broken spot in this pipe. We then attempted to film 8" VCP main from M/H #10175 @ 3444 Woodlane Dr. to M/H #10177, BURIED @ 3434 Woodlane Dr. This pipe was very dirty. We were only able to film 239.8', where we had to abandon survey because of silt / debris. There was one broken spot in this pipe. There were also many infiltration seepers at joints, along with multiple cracks. We couldn't attempt to film ALT Pipe ID #10171 because both Upstream M/H #10177 and Downstream M/H #10176 are BURIED. We then filmed 8" VCP main from M/H #10180 @ 5738 Grady Ct. to M/H #10179 @ Grady Ct. / Woodlane Dr. This pipe was extremely dirty, but we eventually got it inspected. We then attempted to film 8" VCP main from M/H #10179 @ Woodlane Dr. / Grady Ct. to M/H #10178 @ 3469 Woodlane Dr. We only made it 43' because of lots of silt / debris. There is a connection 38'. This connection is broken. We abandoned survey due to silt. We will return tomorrow to try and inspect this main again. Videos and notes for today are associated with Granite XP Database 15A-07 and will be imported to Lucity.

7/15/15

We finished filming 8" VCP main from M/H #10179 @ Woodlane Dr. / Grady Ct. to M/H #10178 @ 3469 Woodlane Dr. This pipe was very dirty, but we were able to inspect it without cleaning. We then filmed 8" VCP main from M/H #10178 @ 3469 Woodlane Dr. to M/H #10175 @ 3444 Woodlane Dr. This pipe was very dirty and required minimal cleaning. We then filmed 8" PVC main from M/H #10167 @ 3585 Woodlane Dr. to M/H #10154 @ 3547 Woodlane Dr. We then filmed 8" VCP main from M/H #10154 @ 3547 Woodlane Dr. to a new BURIED M/H @ 3537 Woodlane Dr. This pipe had three broken spots in it. We then filmed 8" VCP main from a new BURIED M/H @ 3537 Woodlane Dr. to a new BURIED M/H @ 3492 Woodlane Dr. This pipe had one broken spot in it. We then filmed 8" VCP main from a new BURIED M/H @ 3492 Woodlane Dr. to M/H #10155 @ 3497 Woodlane Dr. We then filmed 8" VCP main from M/H #10155 @ 3497 Woodlane Dr. to L/S #10151. We inspected as many laterals as we could today, but several of them had too much silt in them to inspect. One lateral was full of grease at the main. Also, several laterals had roots in them. Videos and notes for today are associated with Granite XP Database 15A-07. As stated earlier, we found two new BURIED M/H's today. This information has been emailed to Chad Gish so the map can be updated.

7/16/15

We filmed 8" PVC main from M/H #10165 @ 5791 Timberlane Dr. to M/H #10164 @ 5771 Timberlane Dr. There is one joint in this main that will need to be sealed via Pipe Patch. Also, M/H #10164 will need to be sealed. We then filmed 8" PVC main from M/H #10164 @ 5771 Timberlane Dr. to M/H #10166 @ 5751 Timberlane Dr. There are several large bellies in this main. Also, the connection at 164.2' is leaking at the main. M/H #10166 will need to be sealed. We then filmed 8" PVC main from M/H #10166 @ 5751 Timberlane Dr. to M/H #10168 @ 5753 Maplelane Dr. The connection at 117.8' has infiltration

seeping into it at the main. The connection at 286.4' also has infiltration seeping into it at the main. There is a belly in this main at 344. This main changes from PVC to VCP at 352.8'. We then filmed 8" PVC main from M/H #10163 @ 5809 Timberlane Dr. to M/H #10162 @ 5815 Timberlane Dr. M/H #10162 needs a new casting installed on it. We then filmed 8" PVC main from M/H #10162 @ 5815 Timberlane Dr. to M/H #10161 @ 3566 Oaklane Dr. There is a belly in this main at 186'. M/H #10161 needs to be sealed. Also, there is a belly in M/H #10161. We then filmed 8" PVC main from M/H #10161 @ 3566 Oaklane Dr. to M/H #10160 BURIED @ the rear of 5805 Maplelane Dr. This pipe was extremely dirty. We used minimal cleaning in order to film this pipe. We only cleaned it enough to get the camera through it. There were several bellies in this main. We then filmed 8" VCP main UPSTREAM from M/H #10158 @ 5786 Maplelane Dr. to M/H #10160 BURIED @ the rear of 5805 Maplelane Dr. This main changes from VCP to PVC at 50.2'. The connection at 44.4' is full of grease and silt at the main, so we couldn't inspect it. The connection at 56.7' has a rolled gasket at the main and it is leaking. Also, the connection at 62' is leaking at the main. Videos and notes for today are associated with Granite XP Database 15A-07 and will be imported to Lucity. We found several map changes that are needed. These have been emailed to Chad Gish.

7/17/15

We filmed 8" VCP main UPSTREAM from M/H #10168 @ 5753 Maplelane Dr. to M/H #10157 @ Maplelane Dr. / Hickory Ct. The main is broken at 167' and infiltration is running in at this point. The connection at 147.4' has cracks in it approx. 11' outside the main. M/H #10157 needs a window cut in the pipe to allow for proper maintenance. We then filmed 8" VCP main UPSTREAM from M/H #10157 @ Maplelane Dr. / Hickory Ct. to M/H #10159 @ 5778 Maplelane Dr. This pipe is broken at 2.5' and 192'. Also, the main is broken around the connections at 86.3' and 195.2'. The connection at 217.5' is leaking

at the main. The casting on M/H #10159 is welded closed. Also, this main had two root masses in it, but we were able to film past them. They will need to be root cut in the future. We then filmed 8" VCP main from M/H #10159 @ 5778 Maplelane Dr. to M/H #10158 @ 5786 Maplelane Dr. This main is broken at 4'. The connection at 63.7' is leaking at the first joint outside the main. At 96.9', there is a large chunk of mortar in the flow line. We couldn't film past it. It will need to be chain cut in the future. Again, we had to film these three segments backwards because of multiple issues with these pipes. At some points, the camera lens got dirty because the camera went under water. There wasn't any way to avoid this due to the multiple issues with the M/H's. All three of these pipes had multiple bellies in them. We then filmed 8" VCP main from M/H #10168 @ 5753 Maplelane Dr. to M/H #10153 @ the rear of 3525 Hickory Ct. to M/H #10152 @ the rear of 3523 Hickory Ct. Both of these pipes had lots of silt in them and multiple bellies in each. The casting is offset on M/H #10168. The pipe is broken approx. 3' downstream of M/H #10168. M/H #10153 and M/H #10152 needs to be sealed because of roots in them. We then attempted to film 8" VCP main from M/H #10156 @ 3516 Hickory Ct. to M/H #10153 @ the rear of 3525 Hickory Ct. We ran into silt at 43'. We will return next week and try to inspect it again. Videos and notes are associated with Granite XP Database 15A-07 and will be imported to Lucity.

7/21/15

We returned to finish filming 8" VCP main from M/H #10156 @ 3516 Hickory Ct. to M/H #10153 @ the rear of 3525 Hickory Ct. We had to abandon survey at 49.9' because of a large root mass. We then filmed UPSTREAM from M/H #10153 @ the rear of 3525 Hickory Ct. towards M/H #10156 @ 3516 Hickory Ct. We filmed back to this same large root mass and abandoned survey at that point. This large root mass will need to be removed with root cutter. This pipe also had roots at other joints, but we were able to film through them. We then filmed 8" VCP main UPSTREAM from M/H #10174 @ 3427

Oaklane Dr. to M/H #10176, BURIED @ 3435 Oaklane Dr. There was a lot of silt and high flow in this pipe, but we got it filmed. We then filmed 8" VCP main UPSTREAM from M/H #10174 @ 3427 Oaklane Dr. to M/H #10172, BURIED @ Oaklane Dr. / Cedarlane Dr. There are lots of infiltration seepers, several bellies, and some roots in this pipe segment. This main had broken points at 161.5', 164.5', 173.6', and 184' Upstream of M/H #10174. We then filmed 8" VCP main from M/H #10174 @ 3427 Oaklane Dr. to M/H #10185 @ the rear of 3416 Oaklane Dr. There were several bellies in this pipe segment. We then filmed 8" VCP main UPSTREAM from M/H #10176, BURIED @ 3435 Oaklane Dr. to M/H #10181, BURIED @ 3457 Oaklane Dr. The connection at 12.7' Upstream of M/H #10176 is a hammer tap that is leaking at the main. There are lots of infiltration seepers in this pipe segment. The connection at 149.9' Upstream of M/H #10176 has infiltration seeping into it at the main. We then filmed 8" VCP main from M/H #10173 @ 3313 Oaklane Dr. to M/H #10172, BURIED @ Oaklane Dr. / Cedarlane Dr. There are roots at several joints in this pipe segment. Also, there are several bellies in this pipe segment. The main is broken at 3' and 31.6' Downstream of M/H #10173. Videos and notes for today are associated with Granite XP Database 15A-07 and will be imported to Lucity. We found several map changes today. These have been emailed to Chad Gish.

7/22/15

We filmed 6" VCP main from a M/H @ 5801 Old Highway 54 to the East approx. 379'. The main was broken at this point and we couldn't film past it. In the section we filmed, the main was broken at 164.1', 165.9', 185.5', 188.1', 374', and 379'. There were several bellies in this section as well. We then used the pushcam to inspect 6" VCP main UPSTREAM (to the North) of the M/H @ 5801 Old Highway 54. At 3' UPSTREAM, there is a large root mass and the main is broken. The camera went underwater at 20'. We pushed to 80', but the camera never came above water because of a belly in the pipe. There was a

lot of silt as well, so we had to abandon survey. We then used pushcam to film this 6" VCP main from the M/H @ the rear of 5710 Highway 54 to the South approx. 115'. It had lots of silt in it, so we had to abandon survey at that point. The total length of this main segment is 320'. We were only able to see approx. 135' of it. There were several bellies in the section that we filmed. We then used pushcam to film 6" VCP main UPSTREAM (to the West) of the M/H @ the rear of 5710 Highway 54. We had to abandon survey at 114' because of a large root mass taking up approx. 95% of the main. At 4' UPSTREAM, there is a connection coming in from the North. At 107' UPSTREAM, there is a connection coming in from the North. At 109' UPSTREAM, there is a connection coming in from the South. There were several root masses in the section we filmed. We then filmed 6" PVC main UPSTREAM from the M/H @ 5881 Old HWY 54 to the NE approx. 50.3'. This entire section had a belly in it, and the camera was nearly underwater the entire segment. We ran into silt at 50.3', so we had to abandon survey. This M/H needs a casting put on it. Currently, there is just a lid sitting on two boards. Also, we discovered a BLIND TEE approx. 23.5' South of the M/H @ 5881 Old HWY 54. This BLIND TEE comes in from the West (in Old Highway 54) and is the 6" VCP main that we filmed earlier today. Videos and notes for today are associated with Granite XP Database 15A-07 and will be imported to Lucity. There aren't videos for the pipes that we filmed with the pushcam, but there are notes.

7/24/15

We filmed 8" VCP main from M/H #10152 @ the rear of 3523 Hickory Ct. to Lift Station #10151. M/H #10152 needs to be sealed. There are roots in it. This main is PVC from 46' - 107'. The rest of it is VCP. There are two open laterals on this main. We couldn't get the lateral camera into them because of the angle. Both had seepers at the main. There are multiple bellies in this main. This main has silt in it too. We then filmed 8" VCP main from M/H #10185 @ the rear of 3416 Oaklane Dr. to M/H @ the rear of

3414 Oaklane Dr. This pipe is broken at 1' and will need to be repaired via Pipe Patch. We then filmed 8" VCP main from M/H @ the rear of 3414 Oaklane Dr. to M/H @ the rear of 3320 Oaklane Dr. (in corn field where ditches come together). This pipe is broken at 262.4' and will need to be repaired via Pipe Patch. We couldn't continue filming downstream because the pipe was nearly 100% full approx. 10' Downstream of this M/H. We moved over to Old Highway 54 and filmed 8" VCP main UPSTREAM from M/H @ 5881 Old Highway 54 to M/H in corn field @ 5881 Old Highway 54. This main had multiple bellies in it. We then filmed 8" VCP main UPSTREAM from M/H in corn field at 5881 Old Highway 54 to the M/H on South side of HWY 54. This pipe also had multiple bellies in it. Also, there is a lid in the bottom of the M/H on South side of HWY 54. We then filmed 8" VCP main UPSTREAM from the M/H on South side of Highway 54 to the Next M/H to North across Highway 54. This pipe also had multiple bellies in it. We then began filming 8" VCP main UPSTREAM from North M/H across Highway 54 to M/H @ the rear of 3320 Oaklane Dr. (in corn field where ditches come together). We only made it approx. 190.6' because there is a large root mass at this point. It is taking up nearly the entire pipe. This is probably why the M/H at the ditches holds so much water. This pipe also had several bellies in it. We still need to locate the three M/H's between the M/H where the ditches come together and the M/H at Old Highway 54. Videos and notes for today are associated with Granite XP Database 15A-07 and will be imported to Lucity.

*7/27/15*

We filmed 8" VCP main from M/H @ 5881 Old Highway 54 to BLIND TEE in Old Highway 54. This BLIND TEE has infiltration running around it. We then filmed 8" VCP main UPSTREAM from M/H @ 5930 Old Highway 54 to BLIND TEE in Old Highway 54. There is a belly in this pipe at 30'. We then filmed 8" VCP main from M/H @ 5930 Old Highway 54 to M/H @ the rear of 5930 Old Highway 54. Both of these

M/H's need to be sealed. The connection at 23.4' has multiple cracks in it at the main. There are multiple bellies, seepers, silt, and fine roots in this segment. We then filmed 8" VCP main from M/H @ the rear of 5930 Old Highway 54 to the Package Plant. There are multiple bellies, seepers, silt, and fine roots in this segment. The flow was high in this pipe because of the pump level at the Package Plant. We had all incoming flow plugged, but the water level in the pipe was still high. Videos and notes for today are associated with Granite XP Database 15A-07 and will be imported to Lucity.

<b>ALT Pipe ID #10177 -- (M/H #10169 {6.33'} to M/H #10170)</b>		
Issues	Priority	Street
Multiple broken spots, cracks, and roots in this segment. It needs to be lined (CIPP).	1	Woodlane Dr.
Downstream M/H #10170 BURIED is @ 3406 Woodlane Dr. It needs to be raised.	2	Woodlane Dr.
The laterals at 57.4' and 119.5' are full of roots.	?	Woodlane Dr.

<b>ALT Pipe ID #10169 -- (M/H #10170 to M/H #10175 {8.08'})</b>		
Issues	Priority	Street
There are infiltration seepers at many joints in this pipe.	?	Woodlane Dr.
Need to install a Pipe Patch at broken spot at 300.4' UPSTREAM of M/H #10175.	1	Woodlane Dr.
Upstream M/H #10170 is BURIED @ 3406 Woodlane Dr. It needs to be raised. It also needs to be sealed.	2	Woodlane Dr.
The connection at 154.9' UPSTREAM of M/H #10175 has infiltration seeping into it approx. 14.2' outside the main.	3	Woodlane Dr.
The connection at 258.7' UPSTREAM of M/H #10175 has infiltration seeping into it approx. .7' outside the main.	3	Woodlane Dr.

<b>ALT Pipe ID #10170 -- (M/H #10175 {8.08'} to M/H #10177)</b>		
Issues	Priority	Street
Pipe was very dirty. We could only inspect 239.8'.	?	Easement - Woodlane Dr.
Need to install a Pipe Patch at broken spot at 166.4' Downstream of M/H #10175.	1	Easement - Woodlane Dr.
There are infiltration seepers and cracks at many joints in this pipe.	?	Easement - Woodlane Dr.

<b>ALT Pipe ID #10175 -- (M/H #10180 {8.33'} to M/H #10179 {6.17'})</b>		
Issues	Priority	Street
Pipe was very dirty.	?	Grady Ct.
The casting on M/H #10179 needs to be replaced.	1	Woodlane Dr.
The lateral at 190' had too much silt in it. We could only inspect it 12'.	?	Grady Ct.

<b>ALT Pipe ID #10176 -- (M/H #10179 {6.17'} to M/H #10178 {6.17'})</b>		
Issues	Priority	Street
Pipe was very dirty.	?	Grady Ct.
The lateral at 38' is broken at the main and will need to be repaired. It is also full of roots at the ROW.	1	Woodlane Dr.
The casting on M/H #10179 needs to be replaced.	1	Woodlane Dr.
The laterals at 111.8' and 134.1' are full of roots at the ROW.	?	Woodlane Dr.

<b>ALT Pipe ID #10172 -- (M/H #10178 {6.17'} to M/H #10175 {8.08'})</b>		
Issues	Priority	Street
Pipe was very dirty. We couldn't inspect the laterals in this segment because they had too much silt in them.	?	Woodlane Dr.
There are infiltration seepers at many joints in this pipe.	?	Woodlane Dr.
The joint at 190' is medium displaced.	2	Woodlane Dr.
The casting on M/H #10175 needs to be replaced.	2	Woodlane Dr.

<b>ALT Pipe ID #10191 -- (M/H #10167 {10.92'} to M/H #10154 {7.25'})</b>		
Issues	Priority	Street
The pipe is deformed at 194.7'.	?	Woodlane Dr.
The lateral at 283.1' has infiltration seeping into it at the main.	3	Woodlane Dr.
The PVC main is cracked at 285.2'.	2	Woodlane Dr.
The lateral at 65' has a belly in it approx. 6' outside the main.	?	Woodlane Dr.

<b>ALT Pipe ID #10281 -- (M/H #10154 {7.25'} to M/H #10252)</b>		
Issues	Priority	Street
The connection at 25.8' is full of grease at the main.	?	Woodlane Dr.
Need to install Pipe Patches at broken points located at 108.3', 114.1', and 180.7'.	1	Woodlane Dr.
Downstream M/H #10252 is BURIED and needs to be raised.	2	Woodlane Dr.
The lateral at 157.6' is full of roots at the ROW.	?	Woodlane Dr.
The connection at 78.6' has multiple cracks in it approx. 22.3' outside the main.	3	Woodlane Dr.

<b>ALT Pipe ID #10283 -- (M/H #10252 to M/H #10253)</b>		
Issues	Priority	Street
Upstream M/H #10252 is BURIED and needs to be raised.	2	Woodlane Dr.
Downstream M/H #10253 is BURIED and needs to be raised.	2	Woodlane Dr.
Need to install a Pipe Patch at broken point at 39.7'.	1	Woodlane Dr.
The lateral at 91.4' has silt in it. We could only inspect it 12.5'. The lateral at 186.4' is full of roots approx. 28' outside the main.	?	Woodlane Dr.
We couldn't inspect the lateral at 248.9' because of the angle it came into the main.	?	Woodlane Dr.
The lateral at 186.4' has infiltration seeping into it at the main.	3	Woodlane Dr.

<b>ALT Pipe ID #10284 -- (M/H #10253 to M/H #10155 {7.25'})</b>		
Issues	Priority	Street
Upstream M/H #10253 is BURIED and needs to be raised.	2	Woodlane Dr.
The connection at 11.7' had silt in it. We could only inspect it 21'.	?	Woodlane Dr.

<b>ALT Pipe ID #10200 -- (M/H #10155 {7.25'} to Lift Station #10151)</b>		
Issues	Priority	Street
Pipe makes a sharp turn where it goes into the L/S. This will have to be fixed to allow for proper maintenance.	?	Easement - Woodlane Dr.
We couldn't inspect the lateral at 30' because it had too much silt in it.		

<b>ALT Pipe ID #10189 -- (M/H #10165 {4.17'} to M/H #10164 {9.58'})</b>		
Issues	Priority	Street
Need to install a Pipe Patch at leaking joint located at 142.6'.	1	Timberlane Dr.
Downstream M/H #10164 needs to be sealed.	2	Timberlane Dr.

<b>ALT Pipe ID #10190 -- (M/H #10164 {9.58'} to M/H #10166 {8.5'})</b>		
Issues	Priority	Street
Upstream M/H #10164 needs to be sealed.	2	Timberlane Dr.
There are several bellies in this main.	?	Timberlane Dr.
The connection at 164.2' is leaking at the main and there is a large belly in the main at this point. It will need to be repaired.	1	Timberlane Dr.
Downstream M/H #10166 needs to be sealed.	2	Timberlane Dr.

<b>ALT Pipe ID #10192 -- (M/H #10166 {8.5'} to M/H #10168 {9.25'})</b>		
Issues	Priority	Street
Upstream M/H #10166 needs to be sealed.	2	Timberlane Dr.
The main changes from PVC to VCP at 352.8' Downstream of M/H #10166.	?	Timberlane Dr.
The connection at 117.8' has infiltration seeping into it at the main.	3	Timberlane Dr.
The connection at 286.4' has infiltration seeping into it at the main. We couldn't inspect this connection because it downsizes at the main.	3	Timberlane Dr.
The connection at 312.8' is broken approx. 11' outside the main.	1	Timberlane Dr.

<b>ALT Pipe ID #10181 -- (M/H #10163 {5.33'} to M/H #10162 {5'})</b>		
Issues	Priority	Street
Downstream M/H #10162 needs a new casting on it.	1	Timberlane Dr.

<b>ALT Pipe ID #10182 -- (M/H #10162 {5'} to M/H #10161 {12.75'})</b>		
Issues	Priority	Street
Upstream M/H #10162 needs a new casting on it.	1	Timberlane Dr.
Downstream M/H #10161 needs to be sealed.	2	Oaklane Dr.
The connection at 30.8' has infiltration seeping into it approx. 33' outside the main.	3	Oaklane Dr.
The connection at 110' has infiltration seeping into it approx. 20' outside the main.	3	Oaklane Dr.

<b>ALT Pipe ID #10183 -- (M/H #10161 {12.75'} to M/H #10160)</b>		
Issues	Priority	Street
M/H #10161 needs to be sealed.	2	Oaklane Dr.
Pipe was very dirty and there are several bellies in it.	?	Easement - Oaklane Dr.
Downstream M/H #10160 is BURIED and needs to be raised.	1	Easement - Oaklane Dr.

<b>ALT Pipe ID #10184 -- (M/H #10160 to M/H #10158 {12'})</b>		
Issues	Priority	Street
The connection at 44.4' is full of grease at the main.	?	Easement - Maplelane Dr.
The connection at 56.7' has a rolled gasket at the main and it is leaking	1	Easement - Maplelane Dr.
Upstream M/H #10160 is BURIED and needs to be raised.	1	Easement - Oaklane Dr.
Main changes from VCP to PVC at 50.2' UPSTREAM of M/H #10158.	?	Easement - Maplelane Dr.
The connection at 62' is leaking at the main.	2	Easement - Maplelane Dr.

<b>ALT Pipe ID #10196 -- (M/H #10157 {18.92'} to M/H #10168 {9.25'})</b>		
Issues	Priority	Street
There is a large belly in this main from 19' - 30' UPSTREAM of M/H #10168.	?	Maplelane Dr.
Need to install a Pipe Patch at broken spot approx. 167' UPSTREAM of M/H #10168.	1	Maplelane Dr.
The connection at 147.4' UPSTREAM of M/H #10168 has multiple cracks in it approx. 11.1' outside the main.	2	Maplelane Dr.
Upstream M/H #10157 needs a window cut out of the pipe so it can be properly maintained.	3	Maplelane Dr.

<b>ALT Pipe ID #10195 -- (M/H #10159 to M/H #10157 {18.92'})</b>		
Issues	Priority	Street
Upstream M/H #10159 needs a new casting on it. The current one is welded down.	1	Maplelane Dr.
There are multiple bellies in this main. There are large roots masses in the main at 193.4' and 196.4'.	?	Maplelane Dr.
Downstream M/H #10157 needs a window cut out of the pipe so it can be properly maintained.	3	Maplelane Dr.
Need to install a Pipe Patch at broken spot approx. 2.5' UPSTREAM of M/H #10157.	1	Maplelane Dr.
The connection at 217.5' is leaking at the main.	2	Maplelane Dr.
We could only inspect the lateral at 86.3' approx. 17'. The camera wouldn't push any further.	?	Maplelane Dr.
The main is broken around the connections at 86.3' and 195.2'. Both will need to be repaired.	1	Maplelane Dr.

<b>ALT Pipe ID #10185 -- (M/H #10158 {12'} to M/H #10159)</b>		
Issues	Priority	Street
Downstream M/H #10159 needs a new casting on it. The current one is welded down.	1	Maplelane Dr.
Need to install a Pipe Patch at broken spot approx. 4' UPSTREAM of M/H #10159.	1	Maplelane Dr.
The connection at 63.7' is leaking just outside the main. Also, it has silt in it approx. 8.1' outside the main. We couldn't inspect past 8.1'.	3	Maplelane Dr.
The connection at 65.6' is full of roots at the ROW.	?	Maplelane Dr.
At 96.9' UPSTREAM of M/H #10159, there is a chunk of mortar built up in the pipe. It will need to be cut out with chain cutter.	1	Maplelane Dr.

<b>ALT Pipe ID #10193 -- (M/H #10168 {9.25'} to M/H #10153 {5.83'})</b>		
Issues	Priority	Street
The casting on M/H #10168 is offset. It needs to be replaced.	2	Maplelane Dr.
Need to install a Pipe Patch at broken spot at 3' Downstream of M/H #10168.	1	Maplelane Dr.
Need to install back to back Pipe Patches at multiple cracks from 238' - 244' Downstream of M/H #10168.	2	Easement
Downstream M/H #10153 needs to be sealed because of roots.	2	Easement
The connection at 284.8' is full of roots at the main. It is also full of roots approx. 6' outside the main.	?	Easement
Main has several bellies and lots of silt in it.	?	Easement

<b>ALT Pipe ID #10197 -- (M/H #10153 {5.83'} to M/H #10152 {6.5'})</b>		
Issues	Priority	Street
Upstream M/H #10153 and Downstream M/H #10152 need to be sealed because of roots.	2	Easement
Main has several bellies and lots of silt in it.	?	Easement
The connection at 17.3' is full of roots approx. 6' outside the main.	?	Easement

<b>ALT Pipe ID #10194 -- (M/H #10156 {6.5'} to M/H #10153 {5.83'})</b>		
Issues	Priority	Street
Downstream M/H #10153 needs to be sealed because of roots.	2	Easement
Need to install a Pipe Patch at broken spot at 3.5' Downstream of M/H #10156.	1	Easement
There is a Large root mass @ 49.9' Downstream of M/H #10156. We had to film to it from both directions. It needs to be cut out.	1	Easement
Need to install a Pipe Patch at broken spot at 7' Upstream of M/H #10153.	1	Easement

<b>ALT Pipe ID #10174 -- (M/H #10176 to M/H #10174 {5.33'})</b>		
Issues	Priority	Street
Upstream M/H #10176 is BURIED. It needs to be raised.	2	Oaklane Dr.
There was lots of silt and high flow on this pipe, but we got it filmed.	?	Oaklane Dr.
There are lots of infiltration seepers in this pipe segment.	?	Oaklane Dr.

<b>ALT Pipe ID #10180 -- (M/H #10172 to M/H #10174 {5.33'})</b>		
Issues	Priority	Street
Upstream M/H #10172 is BURIED. It needs to be raised.	1	Oaklane Dr.
There are lots of infiltration seepers, several bellies, and some roots in this pipe segment.	?	Oaklane Dr.
Need to install Pipe Patches at broken spots at 161.5', 164.5', 173.6', and 184' Upstream of M/H #10174.	1	Oaklane Dr.
The connection at 117' Upstream of M/H #10174 has several root masses in it.	?	Oaklane Dr.

<b>ALT Pipe ID #10168 -- (M/H #10174 {5.33'} to M/H #10185 {6.92'})</b>		
Issues	Priority	Street
There are several bellies in this pipe segment.	?	Easement - Oaklane Dr.

<b>ALT Pipe ID #10173 -- (M/H #10181 to M/H #10176)</b>		
Issues	Priority	Street
Downstream M/H #10176 and Upstream M/H #10181 are BURIED. They need to be raised.	1	Oaklane Dr.
We couldn't inspect the laterals at 221.8' and 253.5' Upstream of M/H #10176 because they had too much silt in them.	?	Oaklane Dr.
The connection at 123' Upstream of M/H #10176 had several seepers and fine roots in it.	3	Oaklane Dr.
The connection at 12.7' Upstream of M/H #10176 is a hammer tap that is leaking at the main. It is also leaking approx. 10' outside the main.	2	Oaklane Dr.
There are lots of infiltration seepers in this pipe segment.	?	Oaklane Dr.
The connection at 149.9' Upstream of M/H #10176 has infiltration seeping into it at the main.	3	Oaklane Dr.

<b>ALT Pipe ID #10179 -- (M/H #10173 {6.5'} to M/H #10172)</b>		
Issues	Priority	Street
There are roots at several joints in this pipe segment. Also, there are several bellies in this pipe segment.	?	Oaklane Dr.
Downstream M/H #10172 is BURIED. It needs to be raised. Also, there is a lot of debris in it that will need to be cleaned out.	1	Oaklane Dr.
Need to install Pipe Patches at broken spots at 3' and 31.6' Downstream of M/H #10173.	1	Oaklane Dr.
The connection at 67.3' Downstream of M/H #10173 has root masses in it, but we were able to inspect it.	3	Oaklane Dr.
We couldn't inspect the connection at 94.3' Downstream of M/H #10173 because of the angle it came into the main.	?	Oaklane Dr.

<b>ALT Pipe ID #10296 -- (M/H #10264 {4.83'} towards BLIND TEE #10261 to the East)</b>		
Issues	Priority	Street
This is a 6" VCP main. We could only inspect it 379' to the East because it is broken at this point and a void has formed.	1	Old Highway 54
This main is broken at 164.1', 165.9', 185.5', 188.1', 374', and 379'.	1	Old Highway 54
There are several bellies in this main. There are fine roots in it as well.	?	Old Highway 54

<b>ALT Pipe ID #10295 -- (M/H #10262 {6.25'} to the NE towards Asset #10265)</b>		
Issues	Priority	Street
This is 6" PVC. It is probably just a lateral for the church. We couldn't inspect it because it was full of silt approx. 50' inside.	?	Easement - Old Highway 54
It help approx. 3/4 pipe of water too.	?	Easement - Old Highway 54
M/H #10262 @ 5881 Old Highway 54 needs a casting put on it. Currently, there is just a lid sitting on two wooden boards.	1	Easement - Old Highway 54

<b>ALT Pipe ID #10297 -- (M/H #10266 {2.42'} to M/H #10264 {5.83'})</b>		
Issues	Priority	Street
At 3' Upstream of M/H #10264 @ 5801 Old Highway 54, there is a large root mass and the main is broken.	1	Easement - Old Highway 54
We were only able to inspect approx. 135' of this main (20' from Downstream M/H); 115' from Upstream M/H).	?	Easement - Old Highway 54
This is a 6" VCP main and it is very dirty.	?	Easement - Old Highway 54
M/H #10266 @ the rear of 5710 Highway 54 needs a casting put on it. It currently has a lid sitting over the brickwork.	1	Easement - Old Highway 54

<b>ALT Pipe ID #10298 -- (Possible M/H #10267 to M/H #10266 {2.42'})</b>		
Issues	Priority	Street
We couldn't locate Upstream M/H #10267. We could only inspect 114' Upstream because of a large root mass at 114'.	?	Easement - Old Highway 54
There were several root masses in the 114' that we inspected. The main will need to be root cut.	?	Easement - Old Highway 54
This is a 6" VCP main.	?	Easement - Old Highway 54
There are open connections at 4' (from North), 107' (from North), and 109' (From South) Upstream of M/H #10266 behind 5710 Highway 54.	?	Easement - Old Highway 54

<b>ALT Pipe ID #10198 -- (M/H #10152 {6.5'} to Lift Station #10151)</b>		
Issues	Priority	Street
M/H #10152 needs to be sealed. There are roots in it.	2	Easement
This main is PVC from 46' - 107'. The rest of it is VCP.	?	Easement
There are two open laterals on this main. We couldn't get the lateral camera into them because of the angle. Both had seepers at the main.	?	Easement
There are multiple bellies in this main. This main has silt in it too.	?	Easement

<b>ALT Pipe ID #10285 -- (M/H #10185 {6.92'} to M/H #10254 {5.17'})</b>		
Issues	Priority	Street
This main is broken at approx. 1' Downstream of M/H #10185. It will need to be repaired via Pipe Patch.	1	Easement

<b>ALT Pipe ID #10286 -- (M/H #10254 {5.17'} to M/H #10255 {6'})</b>		
Issues	Priority	Street
This main is broken at approx. 262.4' Downstream of M/H #10254 @ the rear of 3414 Oaklane Dr. It will need to be repaired via Pipe Patch.	1	Easement

<b>ALT Pipe ID #10290 -- (M/H #10263 to M/H #10262 {6.25'})</b>		
Issues	Priority	Street
There are multiple bellies in this pipe segment.	?	Easement
UPSTREAM M/H #10263 is BURIED in corn field @ 5881 Old Highway 54 (on east side of ditch.) It will need to be raised.	2	Easement

<b>ALT Pipe ID #10289 -- (M/H #10257 to M/H #10263)</b>		
Issues	Priority	Street
There are multiple bellies and infiltration seepers in this pipe segment.	?	Easement
UPSTREAM M/H #10257 is BURIED on South side of Highway 54 has a lid in the bottom of it that is restricting flow. M/H needs to be raised and cleaned.	1	Easement
Downstream M/H #10263 is BURIED in corn field @ 5881 Old Highway 54 (on east side of ditch.) It will need to be raised.	2	Easement

<b>ALT Pipe ID #10287 -- (M/H #10256 to M/H #10257)</b>		
Issues	Priority	Street
Both of these M/H's are BURIED and need to be raised.	2	Easement
There are multiple bellies and infiltration seepers in this pipe segment.	?	Easement

<b>ALT Pipe ID #10288 -- (M/H #10255 {6'} to M/H #10256)</b>		
Issues	Priority	Street
We could only inspect 190.6' UPSTREAM of M/H #10256 BURIED on North side of Highway 54. There is a large root mass restricting flow at this point.	1	Easement
We couldn't inspect from M/H #10255 @ the rear of 3320 Oaklane Dr. because the pipe was full of water due to root mass downstream.	1	Easement
There are multiple bellies and roots in this pipe segment.	?	Easement
The blockage at 190.6' UPSTREAM is restricting approx. 90% of the flow.	1	Easement

<b>ALT Pipe ID #10291 -- (M/H #10262 {6.25'} to BLIND TEE #10261 in Old Highway 54)</b>		
Issues	Priority	Street
M/H #10262 @ 5881 Old Highway 54 needs a casting put on it. Currently, the lid sits on two wooden boards.	1	Old Highway 54
BLIND TEE #10261 in Old Highway 54 has infiltration running in around it at the main. It needs to be repaired.	1	Old Highway 54

<b>ALT Pipe ID #10292 -- (BLIND TEE #10261 in Old Highway 54 to M/H #10260 {8.33'})</b>		
Issues	Priority	Street
M/H #10260 @ 5930 Old Highway 54 needs to be sealed.	2	Easement
BLIND TEE #10261 in Old Highway 54 has infiltration running in around it at the main. It needs to be repaired.	1	Old Highway 54

<b>ALT Pipe ID #10293 -- (M/H #10260 {8.33'} to M/H #10259 {6.42'})</b>		
Issues	Priority	Street
Both of these M/H's need to be sealed.	2	Easement
The connection at 23.4' Downstream of M/H #10260 @ 5930 Old Highway 54 has multiple cracks in it at the main. It needs to be repaired.	3	Easement
There are multiple bellies, seepers, roots, and silt in this pipe segment.	?	Easement

<b>ALT Pipe ID #10294 -- (M/H #10259 {6.42'} to Package Plant #10258)</b>		
Issues	Priority	Street
We plugged off incoming flow, but water level was still high during inspection due to pumps at Package Plant.	?	Easement
There are multiple bellies, seepers, roots, and silt in this pipe segment.	?	Easement
M/H #10259 @ the rear of 5930 Old Highway 54 needs to be sealed.	2	Easement

<b>ALT Pipe ID #10186; ALT Pipe ID #10187; ALT Pipe ID #10188; ALT Pipe ID #10171; ALT Pipe ID #10178</b>		
Issues	Priority	Street
We couldn't inspect these pipes because all of the M/H's are BURIED.	?	Oaklane Dr.

Regional Water Resource Agency  
 2101 Grimes Ave.  
 Owensboro, KY 42303  
 Phone: 270-687-8450  
 Fax: 270-687-8454



**Observations by Inspections.**

**SITE DATA**

Mainline ID:	City:	Address:			
10177	Owensboro	Woodlane Dr.			
Upstream node:	Downstream node:	Pipe type:	Pipe shape:	Pipe height:	Pipe width:
10169	10170	1	1	8	

**INSPECTION DATA**

	Scheduled date:	Start date/time:	End date/time:
	7/14/2015 8:01:58 AM	7/14/2015 8:03:48 AM	7/14/2015 9:27:02 AM
Surveyed footage:	Status:	Operator:	Work order no.:
282.1	Stopped	Daniel Howe	15-001901
Reason:	Weather:	Condition:	
1	1	4	

Comments

We are filming 8" VCP main from M/H #10169 @ 3310 Woodlane Dr. to M/H #10170 BURIED @ 3406 Woodlane Dr.

**OBSERVATIONS**

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	No				SWF		
0.0	No				MH		
0.0	No				CN		
0.0	No				CN		
10.9	No		7	5	ISJ		
21.2	No		7	5	ISJ		
31.1	No		7	5	ISJ		
36.2	No		7	5	ISJ		
45.1	No				DES		
56.0	No		7	5	ISJ		
57.4	No		9		SLI		
63.0	No		9		RMJ		
67.9	No		9		RMJ		



### OBSERVATIONS

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
83.0	No		7	5	RMJ		
83.0	No		12		BJ		
85.9	No		1	12	CM		
88.7	No		7	5	CM		
88.7	No		7		RM		
93.3	No		1	5	RMJ		
98.3	No		7	5	CMJ		
100.2	No		12		CL		
100.2	No				WL		
102.8	No		12		BJ		
102.8	No		7	5	RMJ		
105.5	No		1	12	CMJ		
107.9	No		12		BJ		
107.9	No		12	5	RMJ		
111.8	No		12		B		
111.8	No		12	5	RMJ		
113.9	No		1		B		
118.2	No		1	12	BJ		
119.5	No		3		SLI		
121.2	No		10	2	B		
123.7	No		10	2	BJ		
130.3	No		12		BJ		
133.9	No		12		B		
136.0	No		12		BJ		
141.1	No		7	5	BJ		
141.1	No		7	5	RMJ		
144.0	No		1		B		
150.9	No		12		BJ		
151.0	No		7	12	RMJ		
153.8	No		12		B		
156.3	No		12		BJ		
161.1	No		7	5	CMJ		
175.3	No		7	5	RFJ		
180.9	No		9		SLI		
182.3	No		12		BJ		
182.3	No		3	5	RMJ		



### OBSERVATIONS

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
192.0	No		12		CLJ		
194.0	No		7	5	CM		
201.7	No		12		CMJ		
207.1	No		1	12	BJ		
211.7	No		7	5	RFJ		
245.8	No		7	5	CMJ		
282.1	No				CN		
282.1	No				CN		
282.1	No				MH		
282.1	No				SI		

Regional Water Resource Agency  
 2101 Grimes Ave.  
 Owensboro, KY 42303  
 Phone: 270-687-8450  
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**Observations by Inspections**

**SITE DATA**

Mainline ID:	City:	Address:			
10169	Owensboro	Woodlane Dr.			
Upstream node:	Downstream node:	Pipe type:	Pipe shape:	Pipe height:	Pipe width:
10170	10175	1	1	8	

**INSPECTION DATA**

Scheduled date:	Start date/time:	End date/time:	
7/14/2015 9:36:54 AM	7/14/2015 9:39:40 AM	7/14/2015 10:18:38 AM	
Surveyed footage:	Status:	Operator:	Work order no.:
396.1	Stopped	Daniel Howe	15-001901
Reason:	Weather:	Condition:	
1	3	4	

Comments

We are filming 8" VCP main UPSTREAM from M/H #10175 @ 3444 Woodlane Dr. to M/H #10170 BURIED @ 3406 Woodlane Dr.

**OBSERVATIONS**

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	Yes				SAF		
0.0	Yes				MH		
10.8	Yes		7	5	ISJ		
19.3	Yes		7	5	ISJ		
24.3	Yes		7	5	ISJ		
29.4	Yes		7	5	ISJ		
34.1	Yes		7	5	ISJ		
44.2	Yes		7	5	ISJ		
49.2	Yes		7	5	ISJ		
56.0	Yes		3		SLI		
91.3	Yes		7	5	ISJ		
131.0	Yes		7	5	ISJ		
131.0	Yes		7	5	RFJ		



### OBSERVATIONS

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
152.8	Yes		9		SLI		
154.9	Yes		3		SLI		
209.9	Yes		7	5	ISJ		
219.9	Yes		7	5	ISJ		
224.8	Yes		7	9	ISJ		
225.6	Yes				WL		
230.0	Yes		7	8	ISJ		
235.0	Yes		7	5	ISJ		
240.0	Yes		7	5	ISJ		
249.9	Yes		7	5	ISJ		
256.7	Yes		9		SLI		
258.7	Yes		3		SLI		
264.0	Yes		7	5	ISJ		
283.3	Yes				WL		
283.3	Yes				DES		
300.4	Yes		7	5	B		
314.1	Yes		7	5	ISJ		
328.7	Yes		7	5	ISJ		
333.8	Yes		7	5	ISJ		
338.9	Yes		7	5	ISJ		
343.6	Yes		7	5	ISJ		
353.8	Yes		7	5	ISJ		
359.6	Yes		3		PT		
370.3	Yes		7	5	ISJ		
396.1	Yes				CN		
396.1	Yes				CN		
396.1	Yes				MH		
396.1	Yes				SI		

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**Observations by Inspections**

**SITE DATA**

Mainline ID: 10170      City: Owensboro      Address: Easement - Woodlane Dr.  
 Upstream node: 10175      Downstream node: 10177      Pipe type: 1      Pipe shape: 1      Pipe height: 8      Pipe width:

**INSPECTION DATA**

Scheduled date: 7/14/2015 10:30:59 AM      Start date/time: 7/14/2015 10:32:02 AM      End date/time: 7/14/2015 11:01:08 AM  
 Surveyed footage: 239.8      Status: Stopped      Operator: Daniel Howe      Work order no.: 15-001901  
 Reason: 1      Weather: 1      Condition: 4

**Comments**

We are filming 8" VCP main from M/H #10175 @ 3444 Woodlane Dr. to M/H #10177, BURIED @ 3434 Woodlane Dr.

**OBSERVATIONS**

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	No				SWF		
0.0	No				MH		
13.2	No		7	5	ISJ		
18.2	No		7	5	ISJ		
23.2	No		7	5	ISJ		
28.2	No		7	5	ISJ		
33.2	No		7	5	ISJ		
43.2	No		7	5	ISJ		
48.1	No		7	5	ISJ		
54.3	No		1		SLI		
58.1	No		7	5	ISJ		
63.0	No		7	5	ISJ		
68.0	No		7	9	ISJ		



### OBSERVATIONS

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
69.0	No		12		SLI		
87.3	No		7	5	CMJ		
103.0	No				DES		
113.5	No		3		PT		
115.5	No		9		PT		
127.2	No		3		CMJ		
127.3	No		3		ISJ		
127.4	No				DES		
136.7	No		7	5	ISJ		
136.7	No				DES		
148.2	No		7	5	ISJ		
157.8	No				DES		
166.4	No		4	8	BJ		
177.5	No				DES		
201.5	No				DES		
238.4	No				DES		
238.4	No				CU		
238.4	No				SA		
239.8	No				SI		

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**Observations by Inspections**

**SITE DATA**

Mainline ID:	City:	Address:			
10175	Owensboro	Grady Ct.			
Upstream node:	Downstream node:	Pipe type:	Pipe shape:	Pipe height:	Pipe width:
10180	10179	1	1	8	

**INSPECTION DATA**

Scheduled date:	Start date/time:	End date/time:	
7/14/2015 11:27:44 AM	7/14/2015 12:00:16 PM	7/14/2015 1:27:59 PM	
Surveyed footage:	Status:	Operator:	Work order no.:
264.4	Stopped	Daniel Howe	15-001901
Reason:	Weather:	Condition:	
1	1	4	

Comments

We are filming 8" VCP main from M/H #10180 @ 5738 Grady Ct. to M/H #10179 @ Grady Ct. / Woodlane Dr.

**OBSERVATIONS**

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	No				SWF		
0.0	No				MH		
0.0	No				CN		
0.0	No				CN		
38.3	No		9		SLI		
86.4	No		3		SLI		
144.1	No		7	5	ISJ		
148.5	No		7	9	ISJ		
190.0	No		3		SLI		
201.7	No				DES		
217.2	No		4	5	CMJ		
227.9	No				DES		
252.8	No				DES		



### OBSERVATIONS

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
264.4	No				GO		
264.4	No				MH		
264.4	No				SI		

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## Observations by Inspections

### SITE DATA

Mainline ID:	City:	Address:		
10176	Owensboro	Woodlane Dr.		
Upstream node:	Downstream node:	Pipe type:	Pipe shape:	Pipe height: Pipe width:
10179	10178	1	1	8

### INSPECTION DATA

Scheduled date:	Start date/time:	End date/time:	
7/14/2015 11:29:50 AM	7/14/2015 1:46:42 PM	7/15/2015 8:22:20 AM	
Surveyed footage:	Status:	Operator:	Work order no.:
181.7	Stopped	Daniel Howe	15-001901
Reason:	Weather:	Condition:	
1	1	4	

**Comments**

We are filming 8" VCP main from M/H #10179 @ Woodlane Dr. / Grady Ct. to M/H #10178 @ 3469 Woodlane Dr.

### OBSERVATIONS

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	No				SWF		
0.0	No				MH		
0.0	No				GO		
22.0	No		7	5	ISJ		
38.0	No		9		SLI		
39.8	No				DES		
43.5	No				DES		
43.5	No				CWF		
95.6	No		7	5	ISJ		
111.8	No		3		SLI		
134.1	No		9		SLI		
140.1	No		7	5	ISJ		
141.2	No				DES		



### OBSERVATIONS

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
150.2	No		1	5	ISJ		
156.6	No				DES		
181.7	No				MH		
181.7	No				SI		

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## Observations by Inspections

### SITE DATA

Mainline ID:	City:	Address:			
10172	Owensboro	Woodlane Dr.			
Upstream node:	Downstream node:	Pipe type:	Pipe shape:	Pipe height:	Pipe width:
10178	10175	1	1	8	

### INSPECTION DATA

	Scheduled date:	Start date/time:	End date/time:
	7/14/2015 11:31:31 AM	7/15/2015 8:22:37 AM	7/15/2015 8:59:27 AM
Surveyed footage:	Status:	Operator:	Work order no.:
303.1	Stopped	Daniel Howe	15-001901
Reason:	Weather:	Condition:	
1	1	2	

**Comments**

We are filming 8" VCP main from M/H #10178 @ 3469 Woodlane Dr. to M/H #10175 @ 3444 Woodlane Dr.

### OBSERVATIONS

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	No				SWF		
0.0	No				MH		
3.8	No		11	2	CMJ		
20.7	No				DES		
24.1	No		7	5	ISJ		
30.4	No				DES		
50.4	No		9		SLI		
52.5	No		3		SLI		
53.7	No		7	5	ISJ		
54.4	No				DES		
68.7	No		7	5	ISJ		
73.8	No		7	5	ISJ		
83.9	No		7	5	ISJ		



## OBSERVATIONS

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
85.1	No				DES		
94.1	No				DES		
111.0	No		7	5	ISJ		
114.2	No				DES		
133.2	No				DES		
143.3	No		9		SLI		
143.4	No				DES		
145.0	No				WL		
151.9	No		9		SLI		
154.9	No		3		SLI		
155.1	No				WL		
190.0	No		1	12	JDM		
224.9	No		1	5	ISJ		
230.0	No		7	5	ISJ		
236.2	No				DES		
254.2	No				WL		
256.0	No		3		SLI		
256.9	No		7	5	ISJ		
267.1	No		7	5	ISJ		
287.1	No		7	5	ISJ		
299.0	No		7	3	CC		
299.9	No		3		SLI		
303.1	No				MH		
303.1	No				SI		

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**Observations by Inspections**

**SITE DATA**

Mainline ID:	City:	Address:			
10191	Owensboro	Woodlane Dr.			
Upstream node:	Downstream node:	Pipe type:	Pipe shape:	Pipe height:	Pipe width:
10167	10154	2	1	8	

**INSPECTION DATA**

	Scheduled date:	Start date/time:	End date/time:
	7/15/2015 9:45:22 AM	7/15/2015 9:50:16 AM	7/15/2015 10:45:30 AM
Surveyed footage:	Status:	Operator:	Work order no.:
326.1	Stopped	Daniel Howe	15-001901
Reason:	Weather:	Condition:	
1	1	4	

Comments

We are filming 8" PVC main from M/H #10167 @ 3585 Woodlane Dr. to M/H #10154 @ 3547 Woodlane Dr.

**OBSERVATIONS**

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	No				SWF		
0.0	No				MH		
0.0	No				CN		
0.0	No				CN		
46.4	No				WL		
65.0	No		3		SLI		
155.6	No		3		SLI		
194.7	No		1		D		
246.7	No				LD		
283.1	No		3		SLI		
285.2	No		12		CLJ		
285.2	No		12		IS		
308.6	No				WL		



### OBSERVATIONS

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
322.7	No				MC		
322.7	No		7	5	ISJ		
326.1	No				MH		
326.1	No				SI		

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## Observations by Inspections

### SITE DATA

Mainline ID: 10281	City: Owensboro	Address: Woodlane Dr.	
Upstream node: 10154	Downstream node: 10252	Pipe type: 1	Pipe shape: 1
		Pipe height: 8	Pipe width:

### INSPECTION DATA

Scheduled date: 7/15/2015 9:47:22 AM	Start date/time: 7/15/2015 10:47:17 AM	End date/time: 7/15/2015 11:18:29 AM
Surveyed footage: 183.6	Status: Stopped	Operator: Daniel Howe
Reason: 1	Weather: 1	Work order no.: 15-001901
	Condition: 4	

**Comments**

We are filming 8" VCP main from M/H #10154 @ 3547 Woodlane Dr. to M/H #10252 BURIED @ 3537 Woodlane Dr.

### OBSERVATIONS

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	No				SWF		
0.0	No				MH		
25.8	No		9		CN		
70.6	No		3		SLI		
108.3	No		1	12	BJ		
114.1	No		1	12	BJ		
157.6	No		3		SLI		
180.7	No		1	12	JDL		
180.7	No				RS		
183.6	No				MH		
183.6	No				SI		

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**Observations by Inspections**

**SITE DATA**

Mainline ID:	City:	Address:			
10283	Owensboro	Woodlane Dr.			
Upstream node:	Downstream node:	Pipe type:	Pipe shape:	Pipe height:	Pipe width:
10252	10253	1	1	8	

**INSPECTION DATA**

	Scheduled date:	Start date/time:	End date/time:
	7/15/2015 11:21:35 AM	7/15/2015 11:22:35 AM	7/15/2015 1:39:06 PM
Surveyed footage:	Status:	Operator:	Work order no.:
273.7	Stopped	Daniel Howe	15-001901
Reason:	Weather:	Condition:	
1	1	4	

**Comments**

We are filming 8" VCP main from M/H #10252 BURIED @ 3537 Woodlane Dr. to M/H #10253 BURIED @ 3492 Woodlane Dr.

**OBSERVATIONS**

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	No				SWF		
0.0	No				MH		
0.0	No				DES		
8.5	No		9		SLI		
39.7	No		3	9	BJ		
52.7	No		7	5	ISJ		
59.1	No		3		SLI		
91.4	No		9		SLI		
135.4	No		7	5	ISJ		
154.1	No		3		SLI		
186.4	No		9		SLI		
248.9	No		3		SLI		
255.8	No		7	5	ISJ		



### OBSERVATIONS

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
273.7	No				MH		
273.7	No				SI		

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**Observations by Inspections**

**SITE DATA**

Mainline ID:	City:	Address:			
10284	Owensboro	Woodlane Dr.			
Upstream node:	Downstream node:	Pipe type:	Pipe shape:	Pipe height:	Pipe width:
10253	10155	1	1	8	

**INSPECTION DATA**

	Scheduled date:	Start date/time:	End date/time:
	7/15/2015 1:40:27 PM	7/15/2015 1:41:17 PM	7/15/2015 1:55:59 PM
Surveyed footage:	Status:	Operator:	Work order no.:
181.9	Stopped	Daniel Howe	15-001901
Reason:	Weather:	Condition:	
1	1	4	

Comments

We are filming 8" VCP main from M/H #10253 BURIED @ 3492 Woodlane Dr. to M/H #10155 @ 3497 Woodlane Dr.

**OBSERVATIONS**

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	No				SWF		
0.0	No				MH		
11.7	No		9		SLI		
12.1	No				WL		
37.4	No		7	5	IDJ		
79.5	No				WL		
86.7	No		3		CN		
107.1	No		9		CN		
181.9	No				MH		
181.9	No				CN		
181.9	No				SI		

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## Observations by Inspections

### SITE DATA

Mainline ID:	City:	Address:			
10200	Owensboro	Woodlane Dr. - Easement			
Upstream node:	Downstream node:	Pipe type:	Pipe shape:	Pipe height:	Pipe width:
10155	10151	1	1	8	

### INSPECTION DATA

	Scheduled date:	Start date/time:	End date/time:
	7/15/2015 1:57:24 PM	7/15/2015 1:58:40 PM	7/15/2015 2:03:44 PM
Surveyed footage:	Status:	Operator:	Work order no.:
85.0	Stopped	Daniel Howe	15-001901
Reason:	Weather:	Condition:	
1	1	4	

**Comments**

We are filming 8" VCP main from M/H #10155 @ 3497 Woodlane Dr. to L/S #10151.

### OBSERVATIONS

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	No				SWF		
0.0	No				MH		
0.0	No				CN		
30.0	No		3		CN		
79.6	No				LL		
81.0	No				LR		
85.0	No				FH		
85.0	No				SI		

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**Observations by Inspections**

**SITE DATA**

Mainline ID: 10189 City: Owensboro Address: Timberlane Dr.  
 Upstream node: 10165 Downstream node: 10164 Pipe type: 2 Pipe shape: 1 Pipe height: 8 Pipe width: 8

**INSPECTION DATA**

Scheduled date: 7/16/2015 8:00:39 AM Start date/time: 7/16/2015 8:02:15 AM End date/time: 7/16/2015 8:17:58 AM  
 Surveyed footage: 147.5 Status: Stopped Operator: Daniel Howe Work order no.: 15-001901  
 Reason: 1 Weather: 1 Condition: 4

Comments

We are filming 8" PVC main from M/H #10165 @ 5791 Timberlane Dr. to M/H #10164 @ 5771 Timberlane Dr.

**OBSERVATIONS**

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	No				SWF		
0.0	No				MH		
0.0	No				CN		
9.9	No		9		SLI		
50.9	No		3		SLI		
107.1	No		9		SLI		
107.3	No		4	8	ISJ		
142.6	No		7	5	IRJ		
147.5	No				MH		
147.5	No				SI		

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### OBSERVATIONS

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
209.1	No		2	10	ISJ		
212.5	No				CN		
212.5	No				MH		
212.5	No				SI		

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## Observations by Inspections

### SITE DATA

Mainline ID:	City:	Address:		
10192	Owensboro	Easement - Timberlane Dr.		
Upstream node:	Downstream node:	Pipe type:	Pipe shape:	Pipe height: Pipe width:
10166	10168	2	1	8

### INSPECTION DATA

Scheduled date:	Start date/time:	End date/time:	
7/16/2015 8:22:47 AM	7/16/2015 9:49:06 AM	7/16/2015 10:14:28 AM	
Surveyed footage:	Status:	Operator:	Work order no.:
382.2	Stopped	Daniel Howe	15-001901
Reason:	Weather:	Condition:	
1	1	4	

**Comments**

We are filming 8" PVC main from M/H #10166 @ 5751 Timberlane Dr. to M/H #10168 @ 5753 Maplelane Dr.

### OBSERVATIONS

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	No				SWF		
0.0	No				MH		
0.0	No				CN		
41.0	No				WL		
78.3	No		3		SLI		
102.8	No				DES		
117.8	No		9		SLI		
208.3	No		3		SLI		
286.4	No		12		SLI		
312.8	No		3		SLI		
344.5	No				WL		
352.8	No				MC		
353.5	No		7	5	ISJ		

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**Observations by Inspections**

**SITE DATA**

Mainline ID:	City:	Address:			
10181	Owensboro	Timberlane Dr.			
Upstream node:	Downstream node:	Pipe type:	Pipe shape:	Pipe height:	Pipe width:
10163	10162	2	1	8	

**INSPECTION DATA**

Scheduled date:	Start date/time:	End date/time:	
7/16/2015 10:46:42 AM	7/16/2015 10:48:13 AM	7/16/2015 10:55:08 AM	
Surveyed footage:	Status:	Operator:	Work order no.:
92.3	Stopped	Daniel Howe	15-001901
Reason:	Weather:	Condition:	
1	1	4	

**Comments**

We are filming 8" PVC main from M/H #10163 @ 5809 Timberlane Dr. to M/H #10162 @ 5815 Timberlane Dr.

**OBSERVATIONS**

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	No				SWF		
0.0	No				MH		
0.0	No				CN		
51.7	No		9		SLI		
92.3	No				CN		
92.3	No				MH		
92.3	No				SI		

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## Observations by Inspections

### SITE DATA

Mainline ID: 10182	City: Owensboro	Address: Oaklane Dr.			
Upstream node: 10162	Downstream node: 10161	Pipe type: 2	Pipe shape: 1	Pipe height: 8	Pipe width:

### INSPECTION DATA

Scheduled date: 7/16/2015 11:42:34 AM	Start date/time: 7/16/2015 11:44:31 AM	End date/time: 7/16/2015 12:05:02 PM	
Surveyed footage: 192.2	Status: Stopped	Operator: Daniel Howe	Work order no.: 15-001901
Reason: 1	Weather: 1	Condition: 4	

**Comments**

We are filming 8" PVC main from M/H #10162 @ 5815 Timberlane Dr. to M/H #10161 @ 3566 Oaklane Dr.

### OBSERVATIONS

Footage	Rev	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	No				SWF		
0.0	No				MH		
0.0	No				CN		
30.8	No		9		SLI		
107.9	No		3		SLI		
110.0	No		9		SLI		
186.4	No				WL		
192.2	No				CN		
192.2	No				MH		
192.2	No				SI		

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**Observations by Inspections**

**SITE DATA**

Mainline ID: 10183      City: Owensboro      Address: Easement - Oaklane Dr.  
 Upstream node: 10161      Downstream node: 10160      Pipe type: 2      Pipe shape: 1      Pipe height: 8      Pipe width: 8

**INSPECTION DATA**

Scheduled date: 7/16/2015 12:07:51 PM      Start date/time: 7/16/2015 12:40:13 PM      End date/time: 7/16/2015 1:22:10 PM  
 Status: Stopped      Operator: Daniel Howe      Work order no.: 15-001901  
 Surveyed footage: 149.4  
 Reason: 1      Weather: 1      Condition: 4

**Comments**

We are filming 8" PVC main from M/H #10161 @ 3566 Oaklane Dr. to M/H #10160 BURIED @ the rear of 5805 Maplelane Dr.

**OBSERVATIONS**

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	No				SWF		
0.0	No				MH		
0.0	No				CN		
27.1	No				WL		
104.3	No				DES		
104.4	No				WL		
128.1	No				DES		
145.0	No				WL		
149.4	No				CN		
149.4	No				MH		
149.4	No				SI		

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## Observations by Inspections

### SITE DATA

Mainline ID: 10184	City: Owensboro	Address: Easement - Maplelane Dr.			
Upstream node: 10160	Downstream node: 10158	Pipe type: 1	Pipe shape: 1	Pipe height: 8	Pipe width:

### INSPECTION DATA

Scheduled date: 7/16/2015 1:39:31 PM	Start date/time: 7/16/2015 1:43:24 PM	End date/time: 7/16/2015 1:57:46 PM	
Surveyed footage: 187.1	Status: Stopped	Operator: Daniel Howe	Work order no.: 15-001901
Reason: 1	Weather: 1	Condition: 4	

**Comments**

We are filming 8" VCP main UPSTREAM from M/H #10158 @ 5786 Maplelane Dr. to M/H #10160 BURIED @ the rear of 5805 Maplelane Dr.

### OBSERVATIONS

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	Yes				SAF		
0.0	Yes				MH		
22.6	Yes		7	5	ISJ		
44.4	Yes		3		CN		
50.1	Yes		7	5	ISJ		
50.2	Yes				MC		
56.7	Yes		12		SLI		
62.0	Yes		12		SLI		
187.1	Yes				CN		
187.1	Yes				MH		
187.1	Yes				SI		

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**Observations by Inspections**

**SITE DATA**

Mainline ID: 10196 City: Owensboro Address: Maplelane Dr.  
 Upstream node: 10157 Downstream node: 10168 Pipe type: 1 Pipe shape: 1 Pipe height: 8 Pipe width:

**INSPECTION DATA**

Scheduled date: 7/17/2015 8:13:09 AM Start date/time: 7/17/2015 8:14:23 AM End date/time: 7/17/2015 8:55:47 AM  
 Surveyed footage: 170.6 Status: Stopped Operator: Daniel Howe Work order no.: 15-001901  
 Reason: 1 Weather: 1 Condition: 4

Comments

We are filming 8" VCP main UPSTREAM from M/H #10168 @ 5753 Maplelane Dr. to M/H #10157 @ Maplelane Dr. / Hickory Ct.

**OBSERVATIONS**

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	Yes				SAF		
0.0	Yes				MH		
1.5	Yes		7	5	IS		
19.5	Yes				WL		
20.0	Yes				DES		
30.4	Yes				WL		
48.5	Yes		9		SLI		
147.4	Yes		10		SLI		
167.0	Yes		1	12	B		
167.0	Yes		2		IR		
170.6	Yes				MH		
170.6	Yes				SI		

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**Observations by Inspections**

**SITE DATA**

Mainline ID:	City:	Address:			
10195	Owensboro	Maplelane Dr.			
Upstream node:	Downstream node:	Pipe type:	Pipe shape:	Pipe height:	Pipe width:
10159	10157	1	1	8	

**INSPECTION DATA**

Scheduled date:	Start date/time:	End date/time:	
7/17/2015 8:56:26 AM	7/17/2015 8:57:31 AM	7/17/2015 11:28:12 AM	
Surveyed footage:	Status:	Operator:	Work order no.:
252.7	Stopped	Daniel Howe	15-001901
Reason:	Weather:	Condition:	
1	1	4	

Comments

We are filming 8" VCP main UPSTREAM from M/H #10157 @ Maplelane Dr. / Hickory Ct. to M/H #10159 @ 5778 Maplelane Dr.

**OBSERVATIONS**

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	Yes				SAF		
0.0	Yes				MH		
2.5	Yes		1	12	B		
2.5	Yes		1	12	IS		
26.6	Yes				WL		
27.6	Yes				DES		
70.7	Yes				WL		
86.3	Yes		12		SLI		
192.1	Yes		1	12	B		
193.4	Yes		7	5	RMJ		
194.3	Yes		1	12	CMJ		
195.2	Yes		12		CN		
196.4	Yes		7	5	RMJ		



### OBSERVATIONS

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
202.0	Yes				WL		
217.5	Yes		3		SLI		
252.7	Yes				MH		
252.7	Yes				SI		

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## Observations by Inspections

### SITE DATA

Mainline ID:	City:	Address:	
10185	Owensboro	Maplelane Dr.	
Upstream node:	Downstream node:	Pipe type:	Pipe shape:
10158	10159	1	1
		Pipe height:	Pipe width:
		8	

### INSPECTION DATA

Scheduled date:	Start date/time:	End date/time:
7/17/2015 11:31:52 AM	7/17/2015 11:32:45 AM	7/17/2015 11:45:26 AM
Surveyed footage:	Status:	Operator:
103.0	Stopped	Daniel Howe
Reason:	Weather:	Condition:
1	1	4

Work order no.: 15-001901

**Comments**

We are filming 8" VCP main from M/H #10159 @ 5778 Maplelane Dr. to M/H #10158 @ 5786 Maplelane Dr.

### OBSERVATIONS

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	Yes				SAF		
0.0	Yes				MH		
4.0	Yes		1	12	B		
4.0	Yes		1	12	IS		
63.7	Yes		9		SLI		
65.6	Yes		3		SLI		
73.7	Yes				WL		
96.9	Yes		4	8	DEJ		
99.5	Yes		1	12	CC		
103.0	Yes				MH		
103.0	Yes				SI		

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**Observations by Inspections**

**SITE DATA**

Mainline ID: 10193 City: Owensboro Address: Easement - Hickory Ct.  
 Upstream node: 10168 Downstream node: 10153 Pipe type: 1 Pipe shape: 1 Pipe height: 8 Pipe width: 8

**INSPECTION DATA**

Scheduled date: 7/17/2015 11:59:52 AM Start date/time: 7/17/2015 12:00:54 PM End date/time: 7/17/2015 1:02:48 PM  
 Surveyed footage: 380.5 Status: Stopped Operator: Daniel Howe Work order no.: 15-001901  
 Reason: 1 Weather: 1 Condition: 4

Comments

We are filming 8" VCP main from M/H #10168 @ 5753 Maplelane Dr. to M/H #10153 @ the rear of 3525 Hickory Ct.

**OBSERVATIONS**

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	No				SWF		
0.0	No				MH		
3.0	No		1	12	B		
3.0	No		1	12	IS		
46.3	No				WL		
46.3	No				DES		
108.7	No		7	5	ISJ		
109.8	No		9		SLI		
156.8	No				WL		
168.0	No				WL		
190.4	No				WL		
197.2	No				WL		
205.6	No				WL		



### OBSERVATIONS

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
215.3	No				DES		
238.1	No		1	12	CMJ		
243.1	No		1	12	CMJ		
270.7	No				WL		
270.8	No				DES		
284.8	No		9		SLI		
294.5	No				WL		
314.4	No				WL		
336.7	No				WL		
380.5	No				MH		
380.5	No				SI		

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**Observations by Inspections**

**SITE DATA**

Mainline ID:	City:	Address:			
10197	Owensboro	Easement - Hickory Ct.			
Upstream node:	Downstream node:	Pipe type:	Pipe shape:	Pipe height:	Pipe width:
10153	10152	1	1	8	

**INSPECTION DATA**

	Scheduled date:	Start date/time:	End date/time:
	7/17/2015 1:04:08 PM	7/17/2015 1:05:00 PM	7/17/2015 1:13:02 PM
Surveyed footage:	Status:	Operator:	Work order no.:
103.9	Stopped	Daniel Howe	15-001901
Reason:	Weather:	Condition:	
1	1	4	

Comments

We are filming 8" VCP main from M/H #10153 @ the rear of 3525 Hickory Ct. to M/H #10152 @ the rear of 3523 Hickory Ct.

**OBSERVATIONS**

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	No				SWF		
0.0	No				MH		
17.3	No		9		SLI		
84.5	No		2	5	RFJ		
84.5	No				LL		
84.5	No				LD		
90.8	No				LL		
95.4	No				LL		
103.9	No				MH		
103.9	No				SI		

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**Observations by Inspections**

**SITE DATA**

Mainline ID:	City:	Address:			
10194	Owensboro	Hickory Ct.			
Upstream node:	Downstream node:	Pipe type:	Pipe shape:	Pipe height:	Pipe width:
10156	10153	1	1	8	

**INSPECTION DATA**

Scheduled date:	Start date/time:	End date/time:	
7/17/2015 2:07:00 PM	7/17/2015 2:08:13 PM	7/21/2015 8:21:07 AM	
Surveyed footage:	Status:	Operator:	Work order no.:
245.7	Stopped	Daniel Howe	15-001901
Reason:	Weather:	Condition:	
1	1	4	

**Comments**

We began filming 8" VCP main from M/H #10156 @ 3516 Hickory Ct. to M/H #10153 @ the rear of 3525 Hickory Ct. WE ARE NOW FILMING UPSTREAM!!!!

**OBSERVATIONS**

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	No				SWF		
0.0	No				MH		
0.0	No				CN		
0.0	No				CN		
3.5	No		1	12	B		
3.6	No		1	12	IS		
8.0	No				LD		
42.8	No				DES		
42.8	No				CWF		
49.6	No		6	5	RMJ		
49.9	No				SA		
49.9	No				SI		
0.0	Yes				CAF		



## OBSERVATIONS

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	Yes				MH		
7.0	Yes		1	12	B		
7.0	Yes		4	8	RM		
138.3	Yes		7	5	RFJ		
156.6	Yes		7	5	RFJ		
164.2	Yes		7	5	RFJ		
168.6	Yes		7	5	RFJ		
168.6	Yes		3	5	RMJ		
180.1	Yes		7	5	RFJ		
195.8	Yes		6	5	RMJ		
195.8	Yes				SA		
195.8	Yes				SI		

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**Observations by Inspections**

**SITE DATA**

Mainline ID: 10174      City: Owensboro      Address: Oaklane Dr.  
 Upstream node: 10176      Downstream node: 10174      Pipe type: 1      Pipe shape: 1      Pipe height: 8      Pipe width:

**INSPECTION DATA**

Scheduled date: 7/21/2015 9:02:39 AM      Start date/time: 7/21/2015 9:03:53 AM      End date/time: 7/21/2015 12:38:38 PM  
 Surveyed footage: 125.2      Status: Stopped      Operator: Daniel Howe      Work order no.: 15-001901  
 Reason: 1      Weather: 3      Condition: 4

Comments

We are filming 8" VCP main UPSTREAM from M/H #10174 @ 3427 Oaklane Dr. to M/H #10176, BURIED @ 3435 Oaklane Dr.

**OBSERVATIONS**

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	Yes				SAF		
0.0	Yes				MH		
0.0	Yes				CN		
20.8	Yes		7	5	ISJ		
25.6	Yes		7	5	ISJ		
35.7	Yes		7	6	ISJ		
42.0	Yes				CAF		
50.5	Yes				CU		
50.5	Yes				DES		
50.5	Yes				WL		
86.8	Yes		7	5	ISJ		
92.2	Yes		7	5	ISJ		
101.9	Yes		7	5	ISJ		



### OBSERVATIONS

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
106.9	Yes		7	5	ISJ		
125.2	Yes				MH		
125.2	Yes				SI		

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**Observations by Inspections**

**SITE DATA**

Mainline ID: 10180 City: Owensboro Address: Oaklane Dr.  
 Upstream node: 10172 Downstream node: 10174 Pipe type: 1 Pipe shape: 1 Pipe height: 8 Pipe width: 8

**INSPECTION DATA**

Scheduled date: 7/21/2015 9:33:54 AM Start date/time: 7/21/2015 9:34:49 AM End date/time: 7/21/2015 11:50:42 AM  
 Surveyed footage: 323.4 Status: Stopped Operator: Daniel Howe Work order no.: 15-001901  
 Reason: 1 Weather: 1 Condition: 4

Comments

We are filming 8" VCP main UPSTREAM from M/H #10174 @ 3427 Oaklane Dr. to M/H #10172, BURIED @ Oaklane Dr. / Cedarlane Dr.

**OBSERVATIONS**

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	Yes				SAF		
0.0	Yes				MH		
0.0	Yes				CN		
10.4	Yes		7	5	ISJ		
15.3	Yes		7	5	ISJ		
20.5	Yes		7	5	ISJ		
25.4	Yes		7	5	ISJ		
40.7	Yes		7	5	ISJ		
45.8	Yes		7	5	ISJ		
55.4	Yes		7	5	ISJ		
60.7	Yes		7	5	ISJ		
65.6	Yes		7	5	ISJ		
75.4	Yes		7	5	ISJ		



### OBSERVATIONS

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
109.5	Yes				WL		
117.0	Yes		3		SLI		
148.9	Yes		9		SLI		
154.2	Yes		7	5	ISJ		
154.3	Yes		12		CLJ		
159.0	Yes				DES		
161.5	Yes		12		CM		
164.5	Yes		12		CMJ		
168.3	Yes				WL		
173.6	Yes		1	12	BJ		
178.1	Yes		4	8	RMJ		
178.2	Yes				DES		
184.0	Yes		4	5	RMJ		
184.0	Yes		1	12	BJ		
209.1	Yes		7	5	RFJ		
219.2	Yes		4	5	RMJ		
229.0	Yes		7	5	ISJ		
233.9	Yes		7	5	ISJ		
240.3	Yes		9		SLI		
265.7	Yes		7	5	ISJ		
300.6	Yes		1	5	ISJ		
321.7	Yes				DES		
323.4	Yes				MH		
323.4	Yes				SI		

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## Observations by Inspections

### SITE DATA

Mainline ID: 10168	City: Owensboro	Address: Easement - Oaklane Dr.			
Upstream node: 10174	Downstream node: 10185	Pipe type: 1	Pipe shape: 1	Pipe height: 8	Pipe width:

### INSPECTION DATA

Scheduled date: 7/21/2015 12:08:17 PM	Start date/time: 7/21/2015 12:09:23 PM	End date/time: 7/21/2015 12:25:58 PM	
Surveyed footage: 237.1	Status: Stopped	Operator: Daniel Howe	Work order no.: 15-001901
Reason: 1	Weather: 1	Condition: 4	

**Comments**

We are filming 8" VCP main from M/H #10174 @ 3427 Oaklane Dr. to M/H #10185 @ the rear of 3416 Oaklane Dr.

### OBSERVATIONS

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	No				SWF		
0.0	No				MH		
0.0	No				CN		
12.3	No		7	5	ISJ		
32.2	No		7	5	ISJ		
46.2	No				WL		
78.1	No				WL		
87.3	No		7	5	ISJ		
92.6	No				DES		
97.5	No		3		CN		
108.0	No		3		PT		
110.6	No		9		SLI		
121.2	No		7	5	RFJ		

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## OBSERVATIONS

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
147.1	No				WL		
208.1	No				WL		
237.1	No				MH		
237.1	No				SI		

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**Observations by Inspections**

**SITE DATA**

Mainline ID: 10173 City: Owensboro Address: Oaklane Dr.  
 Upstream node: 10181 Downstream node: 10176 Pipe type: 1 Pipe shape: 1 Pipe height: 8 Pipe width:

**INSPECTION DATA**

Scheduled date: 7/21/2015 12:39:30 PM Start date/time: 7/21/2015 12:40:44 PM End date/time: 7/21/2015 1:24:56 PM  
 Surveyed footage: 301.1 Status: Stopped Operator: Daniel Howe Work order no.: 15-001901  
 Reason: 1 Weather: 3 Condition: 4

Comments

We are filming 8" VCP main UPSTREAM from M/H #10176, BURIED @ 3435 Oaklane Dr. to M/H #10181, BURIED @ 3457 Oaklane Dr.

**OBSERVATIONS**

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	Yes				SAF		
0.0	Yes				MH		
11.5	Yes		7	5	ISJ		
12.7	Yes		3		SLI		
21.5	Yes		7	5	ISJ		
26.7	Yes		7	5	ISJ		
31.4	Yes		7	9	ISJ		
41.7	Yes		7	12	ISJ		
46.5	Yes		7	5	ISJ		
51.6	Yes		7	9	ISJ		
56.8	Yes		7	10	ISJ		
81.7	Yes		7	10	ISJ		
91.5	Yes		7	10	ISJ		



### OBSERVATIONS

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
96.5	Yes		7	8	ISJ		
106.3	Yes		7	5	ISJ		
123.0	Yes		3		SLI		
128.2	Yes		7	8	ISJ		
149.9	Yes		9		SLI		
155.8	Yes		7	5	ISJ		
170.5	Yes		7	5	ISJ		
185.3	Yes		10	5	ISJ		
190.6	Yes		7	5	ISJ		
195.2	Yes		7	5	ISJ		
205.2	Yes		7	11	ISJ		
221.8	Yes		3		SLI		
237.5	Yes		7	5	ISJ		
253.5	Yes		9		SLI		
298.8	Yes		7	5	ISJ		
301.1	Yes				DES		
301.1	Yes				MH		
301.1	Yes				SI		

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## Observations by Inspections

### SITE DATA

Mainline ID: 10179	City: Owensboro	Address: Oaklane Dr.			
Upstream node: 10173	Downstream node: 10172	Pipe type: 1	Pipe shape: 1	Pipe height: 8	Pipe width:

### INSPECTION DATA

Scheduled date: 7/21/2015 1:46:25 PM	Start date/time: 7/21/2015 1:47:39 PM	End date/time: 7/21/2015 2:04:35 PM	
Surveyed footage: 164.7	Status: Stopped	Operator: Daniel Howe	Work order no.: 15-001901
Reason: 1	Weather: 1	Condition: 4	

**Comments**

We are filming 8" VCP main from M/H #10173 @ 3313 Oaklane Dr. to M/H #10172, BURIED @ Oaklane Dr. / Cedarlane Dr.

### OBSERVATIONS

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	No				SWF		
0.0	No				MH		
0.0	No				CN		
3.0	No		1	12	B		
11.3	No		5		RMJ		
11.3	No		5		CMJ		
21.3	No		7	5	CMJ		
21.3	No		3	5	RFJ		
31.6	No		4	8	BJ		
41.3	No		7	5	RFJ		
51.2	No		7	5	RFJ		
61.3	No		4	5	RMJ		
66.2	No		4	5	RMJ		



### OBSERVATIONS

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
67.3	No		3		SLI		
73.4	No		7	5	RFJ		
88.1	No		7	5	RFJ		
88.2	No		7	5	ISJ		
94.3	No		9		SLI		
110.0	No				WL		
125.2	No				WL		
135.7	No				WL		
147.4	No				WL		
155.0	No				WL		
164.7	No				MH		
164.7	No				SI		

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**Observations by Inspections**

**SITE DATA**

Mainline ID:	City:	Address:			
10296	Owensboro	OLD HWY 54			
Upstream node:	Downstream node:	Pipe type:	Pipe shape:	Pipe height:	Pipe width:
10264	10261	1	1	6	

**INSPECTION DATA**

Scheduled date:	Start date/time:	End date/time:	
7/22/2015 8:11:56 AM	7/22/2015 8:12:51 AM	7/22/2015 8:31:49 AM	
Surveyed footage:	Status:	Operator:	Work order no.:
379.0	Stopped	Daniel Howe	15-001901
Reason:	Weather:	Condition:	
1	1	4	

Comments

We are filming 6" VCP main from M/H #10264 @ 5801 Old Highway 54 to the East towards BLIND TEE #10261 in Old Highway 54.

**OBSERVATIONS**

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	No				SWF		
0.0	No				MH		
34.2	No				WL		
44.1	No				WL		
164.1	No		1	12	BJ		
165.9	No		1	12	B		
185.5	No		1	12	B		
188.1	No		1	12	BJ		
188.1	No				WL		
366.6	No		4		RFJ		
374.0	No		7	5	RFJ		
374.0	No		1	12	BJ		
378.8	No		1	12	BJ		



### OBSERVATIONS

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
378.8	No		7	5	RFJ		
379.0	No				SA		
379.0	No				SI		

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**Observations by Inspections**

**SITE DATA**

Mainline ID:	City:	Address:			
10295	Owensboro	Easement - OLD HWY 54			
Upstream node:	Downstream node:	Pipe type:	Pipe shape:	Pipe height:	Pipe width:
10265	10262	2	1	6	

**INSPECTION DATA**

	Scheduled date:	Start date/time:	End date/time:
	7/22/2015 10:13:11 AM	7/22/2015 10:14:03 AM	7/22/2015 10:17:59 AM
Surveyed footage:	Status:	Operator:	Work order no.:
50.3	Stopped	Daniel Howe	15-001901
Reason:	Weather:	Condition:	
1	1	4	

Comments

We are filming 6" PVC main UPSTREAM from M/H #10262 @ 5881 Old HWY 54 to the NE.

**OBSERVATIONS**

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	Yes				SAF		
0.0	Yes				MH		
8.0	Yes				WL		
15.7	Yes				WL		
40.3	Yes				WL		
50.2	Yes				DES		
50.2	Yes				WL		
50.2	Yes				CU		
50.3	Yes				SA		
50.3	Yes				SI		

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**Observations by Inspections**

**SITE DATA**

Mainline ID: 10297 City: Owensboro Address: Easement - Old Highway 54  
 Upstream node: 10266 Downstream node: 10264 Pipe type: 1 Pipe shape: 1 Pipe height: 6 Pipe width:

**INSPECTION DATA**

Scheduled date: 7/22/2015 11:25:02 AM Start date/time: 7/22/2015 12:16:38 PM End date/time: 7/22/2015 12:19:19 PM  
 Surveyed footage: 195.0 Status: Stopped Operator: Daniel Howe Work order no.: 15-001901  
 Reason: 1 Weather: 1 Condition: 4

Comments

We used pushcam to inspect 6" VCP main UPSTREAM from M/H #10264 @ 5801 Old Highway 54 to the M/H #10266 @ the rear of 5710 Highway 54. We then filmed downstream. WE FILMED BOTH DIRECTIONS!!!! NOTES BUILT FOR LUCITY TRANSFER.

**OBSERVATIONS**

Footage	Rev	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	No				CWF		
0.0	No				MH		
8.0	No				WL		
65.0	No				WL		
105.0	No				WL		
115.0	No				DES		
115.0	No				SA		
115.0	No				SI		
0.0	Yes				SAF		
0.0	Yes				MH		
3.0	Yes		7	5	RMJ		
3.0	Yes		7	5	BJ		
8.0	Yes		7	5	RFJ		



## OBSERVATIONS

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
20.0	Yes				WL		
30.0	Yes				CU		
80.0	Yes				SA		
80.0	Yes				SI		

Regional Water Resource Agency  
 2101 Grimes Ave.  
 Owensboro, KY 42303  
 Phone: 270-687-8450  
 Fax: 270-687-8454



## Observations by Inspections

### SITE DATA

Mainline ID: 10298	City: Owensboro	Address: Easement - Old Highway 54	
Upstream node: 10267	Downstream node: 10266	Pipe type: 1	Pipe shape: 1
		Pipe height: 6	Pipe width: 6

### INSPECTION DATA

Scheduled date: 7/22/2015 12:20:03 PM	Start date/time: 7/22/2015 12:20:48 PM	End date/time: 7/22/2015 12:22:47 PM
Surveyed footage: 114.0	Status: Stopped	Operator: Daniel Howe
		Work order no.: 15-001901
Reason: 1	Weather: 1	Condition: 4

**Comments**

We are using pushcam to film 6" VCP main UPSTREAM from M/H #10266 @ the rear of 5710 Highway 54 to the West towards BURIED M/H #10267.

### OBSERVATIONS

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	Yes				SAF		
0.0	Yes				MH		
4.0	Yes		3		CN		
72.0	Yes		5		RFJ		
81.0	Yes		7	10	RMJ		
102.0	Yes		3		RMJ		
107.0	Yes		3		CN		
108.0	Yes		1	12	RMJ		
109.0	Yes		9		CN		
110.0	Yes		7	5	RFJ		
113.0	Yes		6	5	RMJ		
114.0	Yes				SA		
114.0	Yes				SI		

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**Observations by Inspections**

**SITE DATA**

Mainline ID: 10198      City: Owensboro      Address: Easement - Woodlane Dr.  
 Upstream node: 10152      Downstream node: 10151      Pipe type: 1      Pipe shape: 1      Pipe height: 8      Pipe width: 8

**INSPECTION DATA**

Scheduled date: 7/24/2015 10:17:22 AM      Start date/time: 7/24/2015 10:18:52 AM      End date/time: 7/24/2015 10:32:44 AM  
 Surveyed footage: 263.0      Status: Stopped      Operator: Daniel Howe      Work order no.: 15-001901  
 Reason: 1      Weather: 1      Condition: 4

Comments

We are filming 8" VCP main from M/H #10152 @ the rear of 3523 Hickory Ct. to Lift Station #10151.

**OBSERVATIONS**

Footage	Rev	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	No				SWF		
0.0	No				MH		
28.9	No				WL		
46.2	No				MC		
107.0	No				MC		
119.1	No		1	5	ISJ		
130.2	No				WL		
132.0	No		9		SLI		
165.5	No				WL		
188.9	No		2	5	ISJ		
200.5	No		2	4	ISJ		
212.8	No				WL		
217.2	No				DES		



### OBSERVATIONS

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
242.6	No		7	5	ISJ		
243.4	No		9		CN		
251.5	No				WL		
259.3	No		7	5	CMJ		
263.0	No				MH		
263.0	No				SI		

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**Observations by Inspections**

**SITE DATA**

Mainline ID: 10285 City: Owensboro Address: Easement - Oaklane Dr.  
 Upstream node: 10185 Downstream node: 10254 Pipe type: 1 Pipe shape: 1 Pipe height: 8 Pipe width: 8

**INSPECTION DATA**

Scheduled date: 7/24/2015 11:59:15 AM Start date/time: 7/24/2015 12:02:26 PM End date/time: 7/24/2015 12:09:33 PM  
 Surveyed footage: 102.9 Status: Stopped Operator: Daniel Howe Work order no.: 15-001901  
 Reason: 1 Weather: 1 Condition: 4

**Comments**

We are filming 8" VCP main from M/H #10185 @ the rear of 3416 Oaklane Dr. to M/H #10254 @ the rear of 3414 Oaklane Dr.

**OBSERVATIONS**

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	No				SWF		
0.0	No				MH		
1.0	No		1	12	B		
102.9	No				MH		
102.9	No				SI		

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**Observations by Inspections**

**SITE DATA**

Mainline ID:	City:	Address:			
10286	Owensboro	Easement - Oaklane Dr.			
Upstream node:	Downstream node:	Pipe type:	Pipe shape:	Pipe height:	Pipe width:
10254	10255	1	1	8	

**INSPECTION DATA**

Scheduled date:	Start date/time:	End date/time:	
7/24/2015 12:28:31 PM	7/24/2015 12:29:19 PM	7/24/2015 12:58:14 PM	
Surveyed footage:	Status:	Operator:	Work order no.:
264.0	Stopped	Daniel Howe	15-001901
Reason:	Weather:	Condition:	
1	1	4	

**Comments**

We are filming 8" VCP main from M/H #10254 @ the rear of 3414 Oaklane Dr. to M/H #10255 @ the rear of 3320 Oaklane Dr. (in corn field where ditches come together).

**OBSERVATIONS**

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	No				SWF		
0.0	No				MH		
216.0	No		7	5	ISJ		
262.4	No		7	5	B		
264.0	No				MH		
264.0	No				SI		

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**Observations by Inspections**

**SITE DATA**

Mainline ID:	City:	Address:			
10289	Owensboro	Easement - Old Highway 54			
Upstream node:	Downstream node:	Pipe type:	Pipe shape:	Pipe height:	Pipe width:
10257	10263	1	1	8	

**INSPECTION DATA**

Scheduled date:	Start date/time:	End date/time:	
7/24/2015 1:39:01 PM	7/24/2015 1:39:40 PM	7/24/2015 1:51:22 PM	
Surveyed footage:	Status:	Operator:	Work order no.:
267.3	Stopped	Daniel Howe	15-001901
Reason:	Weather:	Condition:	
1	1	4	

**Comments**

We are filming 8" VCP main UPSTREAM from M/H #10263 BURIED in corn field at 5881 Old Highway 54 to M/H #10257 on South side of HWY 54.

**OBSERVATIONS**

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	Yes				SAF		
0.0	Yes				MH		
10.8	Yes				WL		
68.1	Yes				WL		
193.4	Yes				WL		
199.3	Yes				WL		
204.1	Yes		7	5	ISJ		
209.1	Yes		7	5	ISJ		
214.0	Yes		7	5	IDJ		
224.7	Yes		7	5	ISJ		
233.1	Yes				WL		
257.8	Yes				WL		
261.3	Yes		7	5	ISJ		



### OBSERVATIONS

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
267.3	Yes		8	4	MH		
267.3	Yes				SI		

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**Observations by Inspections**

**SITE DATA**

Mainline ID:	City:	Address:			
10287	Owensboro	Highway 54			
Upstream node:	Downstream node:	Pipe type:	Pipe shape:	Pipe height:	Pipe width:
10256	10257	1	1	8	

**INSPECTION DATA**

Scheduled date:	Start date/time:	End date/time:	
7/24/2015 1:53:39 PM	7/24/2015 1:54:40 PM	7/24/2015 2:01:49 PM	
Surveyed footage:	Status:	Operator:	Work order no.:
173.1	Stopped	Daniel Howe	15-001901
Reason:	Weather:	Condition:	
1	1	4	

Comments

We are filming 8" VCP main UPSTREAM from M/H #10257 on South side of Highway 54 to M/H #10256 on North side of Highway 54.

**OBSERVATIONS**

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	Yes				SAF		
0.0	Yes				MH		
6.8	Yes		7	5	ISJ		
108.3	Yes				WL		
126.7	Yes				WL		
157.0	Yes				WL		
165.1	Yes				WL		
169.0	Yes		7	5	ISJ		
173.1	Yes				MH		
173.1	Yes				SI		

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**Observations by Inspections**

**SITE DATA**

Mainline ID: 10288 City: Owensboro Address: Easement - Highway 54  
 Upstream node: 10255 Downstream node: 10256 Pipe type: 1 Pipe shape: 1 Pipe height: 8 Pipe width:

**INSPECTION DATA**

Scheduled date: 7/24/2015 2:03:53 PM Start date/time: 7/24/2015 2:05:22 PM End date/time: 7/24/2015 2:13:27 PM  
 Surveyed footage: 190.6 Status: Stopped Operator: Daniel Howe Work order no.: 15-001901  
 Reason: 1 Weather: 1 Condition: 4

Comments

We are filming 8" VCP main UPSTREAM from M/H #10256 on North side of Highway 54 towards M/H #10255 @ the rear of 3320 Oaklane Dr. (in corn field where ditches come together).

**OBSERVATIONS**

Footage	Rev	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	Yes				SAF		
0.0	Yes				MH		
13.9	Yes				WL		
42.4	Yes				WL		
49.4	Yes				WL		
163.6	Yes		7	10	RFJ		
173.2	Yes		1	5	RFJ		
178.0	Yes		6	5	RFJ		
182.2	Yes		7	5	RFJ		
190.6	Yes		1	12	RMJ		
190.6	Yes				SA		
190.6	Yes				SI		

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**Observations by Inspections**

**SITE DATA**

Mainline ID: 10291 City: Owensboro Address: Old Highway 54  
 Upstream node: 10262 Downstream node: 10261 Pipe type: 1 Pipe shape: 1 Pipe height: 8 Pipe width: 8

**INSPECTION DATA**

Scheduled date: 7/27/2015 8:04:45 AM Start date/time: 7/27/2015 8:06:25 AM End date/time: 7/27/2015 8:09:29 AM  
 Surveyed footage: 23.5 Status: Stopped Operator: Daniel Howe Work order no.: 15-001901  
 Reason: 1 Weather: 3 Condition: 4

Comments

We are filming 8" VCP main from M/H #10262 @ 5881 Old Highway 54 to BLIND TEE #10261 in Old Highway 54.

**OBSERVATIONS**

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	No				SWF		
0.0	No				MH		
16.7	No		7	5	ISJ		
23.5	No		1	3	IR		
23.5	No		1		FH		
23.5	No				SI		

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**Observations by Inspections**

**SITE DATA**

Mainline ID:	City:	Address:			
10292	Owensboro	Old Highway 54			
Upstream node:	Downstream node:	Pipe type:	Pipe shape:	Pipe height:	Pipe width:
10261	10260	1	1	8	

**INSPECTION DATA**

Scheduled date:	Start date/time:	End date/time:	
7/27/2015 8:20:23 AM	7/27/2015 8:21:13 AM	7/27/2015 8:26:25 AM	
Surveyed footage:	Status:	Operator:	Work order no.:
119.9	Stopped	Daniel Howe	15-001901
Reason:	Weather:	Condition:	
1	1	4	

**Comments**

We are filming 8" VCP main UPSTREAM from M/H #10260 @ 5930 Old Highway 54 to BLIND TEE #10261 in Old Highway 54.

**OBSERVATIONS**

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	Yes				SAF		
0.0	Yes				MH		
30.0	Yes				WL		
117.6	Yes		7	5	ISJ		
117.6	Yes		4	8	CMJ		
119.9	Yes		11		IR		
119.9	Yes		11		FH		
119.9	Yes				SI		

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## Observations by Inspections

### SITE DATA

Mainline ID:	City:	Address:			
10293	Owensboro	Easement - Old Highway 54			
Upstream node:	Downstream node:	Pipe type:	Pipe shape:	Pipe height:	Pipe width:
10260	10259	1	1	8	

### INSPECTION DATA

	Scheduled date:	Start date/time:	End date/time:
	7/27/2015 8:37:57 AM	7/27/2015 8:58:19 AM	7/27/2015 9:11:03 AM
Surveyed footage:	Status:	Operator:	Work order no.:
125.8	Stopped	Daniel Howe	15-001901
Reason:	Weather:	Condition:	
1	3	4	

**Comments**

We are filming 8" VCP main from M/H #10260 @ 5930 Old Highway 54 to M/H #10259 @ the rear of 5930 Old Highway 54.

### OBSERVATIONS

Footage	Rev	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	No				SWF		
0.0	No				MH		
4.0	No				WL		
12.0	No		7	5	ISJ		
12.0	No				DES		
23.0	No		7	5	ISJ		
23.4	No		9		CN		
24.4	No		7	5	RFJ		
29.2	No		1	5	ISJ		
32.9	No		12		CL		
32.9	No		12		IS		
37.6	No		2		CL		
37.6	No		2		IS		



### OBSERVATIONS

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
44.2	No		7	5	RFJ		
54.4	No		7	5	RFJ		
54.4	No		7	5	ISJ		
64.2	No		2	4	RFJ		
69.5	No		7	5	ISJ		
86.7	No				DES		
103.5	No				DES		
114.7	No				DES		
125.8	No				MH		
125.8	No				SI		

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## Observations by Inspections

### SITE DATA

Mainline ID: 10294	City: Owensboro	Address: Easement - Old Highway 54	
Upstream node: 10259	Downstream node: 10258	Pipe type: 1	Pipe shape: 1
		Pipe height: 8	Pipe width:

### INSPECTION DATA

	Scheduled date: 7/27/2015 8:39:50 AM	Start date/time: 7/27/2015 9:29:22 AM	End date/time: 7/27/2015 9:51:42 AM
Surveyed footage: 172.0	Status: Stopped	Operator: Daniel Howe	Work order no.: 15-001901
Reason: 1	Weather: 3	Condition: 4	

**Comments**

We are filming 8" VCP main from M/H #10259 @ the rear of 5930 Old Highway 54 to the Package Plant #10258.

### OBSERVATIONS

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
0.0	No				SWF		
0.0	No				MH		
3.9	No				DES		
6.8	No		7	5	RFJ		
11.7	No		7	5	RFJ		
16.9	No		7	5	RFJ		
22.0	No		7	5	ISJ		
26.8	No		7	5	ISJ		
31.9	No		7	10	ISJ		
41.0	No				WL		
41.7	No		7	6	ISJ		
46.9	No		7	5	ISJ		
46.9	No				WL		



### OBSERVATIONS

Footage	Rev.	Length	Clock From	Clock To	Code	Modifiers/Severity	Rating
56.8	No		7	5	ISJ		
56.8	No				WL		
60.5	No				CU		
60.5	No				CWF		
81.4	No				WL		
101.9	No		1	4	ISJ		
120.8	No				WL		
126.8	No		7	5	ISJ		
129.7	No				WL		
141.7	No				WL		
172.0	No				MH		
172.0	No				SI		

# Work Order Detail Report

8/28/2015

9:49 AM

**WO Number:** 15-001901

**Category:** Pipes

**Status:** Inspection Complete

**Problem:** Needs General Inspection

**Status Date:** 8/28/2015 9:36 AM

**Main Task:** Pipe Inspection

**Asset:** 10281 10154

**Location:**

**Cause:** Design

**Assigned Crew:** Camera Crew A

**Supervisor:** Galloway, Ronnie

**Lead Worker:** Howe, Daniel

**Priority:** High

**Account #:** 900.906.903-50100.021

**Proj No - Acct:**

**Project:**

**Reason:**

**Assigned By:**

**Assigned Date:**

**Start Date:** 7/13/2015 12:30 PM

**End Date:** 8/28/2015 9:00 AM

Override

Notifications

Problem

Overdue

Lead Worker

Task

Supervisor

Hard Lock WO

**Master Project ID:**

**Master Project Name:**

**Location**

**Department:** 9007 - Operations

**Division:** 9006 - Field Operations

**Sub-Division:** 9006 - System Inspection

**Area:** 9006 - Inspection

**Sub-Area:**

**Owner:** Private Property

**Location:** Sanitary Sewer System

**Classification:**

**Comments for Crew**

Inspect pipes in Cedar Hills subdivision.

# Work Order Detail Report

8/28/2015

9:49 AM

Work Order Assets							
Object Type	System ID		Description 1			Description 2	
	System ID 1	System ID 2	Odometer	Hourmeter	Othermeter	PM Description	Asset ID
Sewer Pipe			10169 -			10170 -	13710
10177							7/14/2015
Sewer Pipe			10171 -			10172 -	13711
10178							
Sewer Pipe			10173 -			10172 -	13712
10179							7/21/2015
Sewer Pipe			10172 -			10174 -	13713
10180							7/21/2015
Sewer Pipe			10174 -			10185 -	13701
10168							7/21/2015
Sewer Pipe			10170 -			10175 -	13702
10169							7/14/2015
Sewer Pipe			10175 -			10177 -	13703
10170							7/14/2015
Sewer Pipe			10177 -			10176 -	13704
10171							
Sewer Pipe			10178 -			10175 -	13705
10172							7/15/2015
Sewer Pipe			10181 -			10176 -	13706
10173							7/21/2015
Sewer Pipe			10176 -			10174 -	13707
10174							7/21/2015
Sewer Pipe			10180 -			10179 -	13708
10175							7/14/2015
Sewer Pipe			10179 -			10178 -	13709
10176							7/15/2015
Sewer Pipe			10163 -			10162 -	13714
10181							7/16/2015
Sewer Pipe			10162 -			10161 -	13715
10182							7/16/2015
Sewer Pipe			10161 -			10160 -	13716
10183							7/16/2015
Sewer Pipe			10160 -			10158 -	13717
10184							7/16/2015
Sewer Pipe			10158 -			10159 -	13718
10185							7/17/2015
Sewer Pipe			10183 -			10184 -	13719
10186							
Sewer Pipe			10184 -			10182 -	13720
10187							
Sewer Pipe			10182 -			10181 -	13721
10188							
Sewer Pipe			10165 -			10164 -	13722
10189							7/16/2015
Sewer Pipe			10164 -			10166 -	13723
10190							7/16/2015
Sewer Pipe			10167 -			10154 -	13724
10191							7/15/2015
Sewer Pipe			10166 -			10168 -	13725
10192							7/16/2015
Sewer Pipe			10168 -			10153 -	13726
10193							7/17/2015
Sewer Pipe			10156 -			10153 -	13727
10194							7/21/2015
Sewer Pipe			10159 -			10157 -	13728
10195							7/17/2015

\* A 'Hidden' field indicates permission to view the secured field is turned off.

# Work Order Detail Report

8/28/2015

9:49 AM

Sewer Pipe 10196	10157 -	10168 -	13729	7/17/2015
Sewer Pipe 10197	10153 -	10152 -	13730	7/17/2015
Sewer Pipe 10198	10152 -	10151 -	13731	7/24/2015
Sewer Pipe 10283	10252	10253	13820	7/15/2015
Sewer Pipe 10200	10155	10151	13733	7/15/2015
Sewer Pipe 10281	10154	10252	13818	7/15/2015
Sewer Pipe 10284	10253	10155	13821	7/15/2015
Sewer Pipe 10296	10264	10261	13833	7/22/2015
Sewer Pipe 10295	10265	10262	13832	7/22/2015
Sewer Pipe 10297	10266	10264	13834	7/22/2015
Sewer Pipe 10298	10267	10266	13835	7/22/2015
Sewer Pipe 10285	10185	10254	13822	7/24/2015
Sewer Pipe 10286	10254	10255	13823	7/24/2015
Sewer Pipe 10290	10263	10262	13827	7/24/2015
Sewer Pipe 10289	10257	10263	13826	7/24/2015
Sewer Pipe 10287	10256	10257	13824	7/24/2015
Sewer Pipe 10288	10255	10256	13825	7/24/2015
Sewer Pipe 10291	10262	10261	13828	7/27/2015
Sewer Pipe 10292	10261	10260	13829	7/27/2015
Sewer Pipe 10293	10260	10259	13830	7/27/2015
Sewer Pipe 10294	10259	10258	13831	7/27/2015

# Work Order Detail Report

8/28/2015

9:49 AM

**Tasks/Resources**  
**1190 Hand Out Notices**  
 Crew: Camera Crew A      Status:      \*Cal'c UC: \$0.00      \*Task Cost: \$142.08      Start Dt: 7/13/2015  
 Supervisor: Galloway, Ronnie      UOM:      # of Units: 0.00      \*Unit Cost: \$0.00      End Dt: 7/13/2015

**Employee**

Resource	UOM	Units	*Total Cost	Alt Description	Start Dt	End Dt
10564 Howe, Daniel	Hours	1.50	\$79.07		7/13/2015	7/13/2015
11628 Pate, Warren	Hours	1.50	\$44.52		7/13/2015	7/13/2015

**Equipment**

Resource	UOM	Units	*Total Cost	Alt Description	Start Dt	End Dt
90-29 Pickup - System Inspection Supervisor	Hours	1.50	\$18.50		7/13/2015	7/13/2015

Task Comment: We passed out cleaning / inspection notices to the Cedar Hills area.

**1263 Pipe Inspection**  
 Crew: Camera Crew A      Status:      \*Cal'c UC: \$509.04      \*Task Cost: \$2,036.16      Start Dt: 7/14/2015  
 Supervisor: Galloway, Ronnie      UOM:      # of Units: 4.00      \*Unit Cost: \$0.00      End Dt: 7/14/2015

**Employee**

Resource	UOM	Units	*Total Cost	Alt Description	Start Dt	End Dt
10564 Howe, Daniel	Hours	8.00	\$421.68		7/14/2015	7/14/2015
11156 Barnett, Emmett W	Hours	8.00	\$360.40		7/14/2015	7/14/2015
11489 Humphrey, Nathan	Hours	8.00	\$318.00		7/14/2015	7/14/2015

**Equipment**

Resource	UOM	Units	*Total Cost	Alt Description	Start Dt	End Dt
90-46 TV Truck - Camera Crew A	Hours	8.00	\$399.60		7/14/2015	7/14/2015
90-28 Pickup - System Inspection Tool Truck	Hours	8.00	\$98.64		7/14/2015	7/14/2015
90-76 Jet Rodder - Cleaning Crews	Hours	8.00	\$437.84		7/14/2015	7/14/2015

Task Comment: We filmed 8" VCP main from M/H #10169 @ 3310 Woodlane Dr. to M/H #10170 BURIED @ 3406 Woodlane Dr. This pipe has many cracks, roots, and broken spots in it. It was also very dirty. We had trouble filming because of the debris, but were finally able to get through it. We then filmed 8" VCP main UPSTREAM from M/H #10175 @ 3444 Woodlane Dr. to M/H #10170 BURIED @ 3406 Woodlane Dr. This pipe had many infiltration seepers at joints. There was one broken spot in this pipe. We then attempted to film 8" VCP main from M/H #10175 @ 3444 Woodlane Dr. to M/H #10177, BURIED @ 3434 Woodlane Dr. This pipe was very dirty. We were only able to film 239.8', where we had to abandon survey because of silt / debris. There was one broken spot in this pipe. There were also many infiltration seepers at joints, along with multiple cracks. We couldn't attempt to film ALT Pipe ID #10171 because both Upstream M/H #10177 and Downstream M/H #10176 are BURIED. We then filmed 8" VCP main from M/H #10180 @ 5738 Grady Ct. to M/H #10179 @ Grady Ct. / Woodlane Dr. This pipe was extremely dirty, but we eventually got it inspected. We then attempted to film 8" VCP main from M/H #10179 @ Woodlane Dr. / Grady Ct. to M/H #10178 @ 3469 Woodlane Dr. We only made it 43' because of lots of silt / debris. There is a connection 38'. This connection is broken. We abandoned survey due to silt. We will return tomorrow to try and inspect this main again. Videos and notes for today are associated with Granite XP Database 15A-07 and will be imported to Lucy.

**1263 Pipe Inspection**  
 Crew: Camera Crew A      Status:      \*Cal'c UC: \$283.75      \*Task Cost: \$1,986.27      Start Dt: 7/15/2015  
 Supervisor: Galloway, Ronnie      UOM:      # of Units: 7.00      \*Unit Cost: \$0.00      End Dt: 7/15/2015

**Employee**

Resource	UOM	Units	*Total Cost	Alt Description	Start Dt	End Dt
10564 Howe, Daniel	Hours	8.00	\$421.68		7/15/2015	7/15/2015
11156 Barnett, Emmett W	Hours	7.50	\$337.88		7/15/2015	7/15/2015
11489 Humphrey, Nathan	Hours	8.00	\$318.00		7/15/2015	7/15/2015

**Equipment**

Resource	UOM	Units	*Total Cost	Alt Description	Start Dt	End Dt
90-46 TV Truck - Camera Crew A	Hours	8.00	\$399.60		7/15/2015	7/15/2015

\* A 'Hidden' field indicates permission to view the secured field is turned off.

# Work Order Detail Report

8/28/2015

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90-28 Pickup - System Inspection Tool Truck	Hours	8.00	\$98.64	7/15/2015	7/15/2015
90-76 Jet Rodder - Cleaning Crews	Hours	7.50	\$410.48	7/15/2015	7/15/2015

**Task Comment:** We finished filming 8" VCP main from M/H #10179 @ Woodlane Dr. / Grady Ct. to M/H #10178 @ 3469 Woodlane Dr. This pipe was very dirty, but we were able to inspect it without cleaning. We then filmed 8" VCP main from M/H #10178 @ 3469 Woodlane Dr. to M/H #10175 @ 3444 Woodlane Dr. This pipe was very dirty and required minimal cleaning. We then filmed 8" PVC main from M/H #10167 @ 3585 Woodlane Dr. to M/H #10154 @ 3547 Woodlane Dr. We then filmed 8" VCP main from M/H #10154 @ 3547 Woodlane Dr. to a new BURIED M/H @ 3537 Woodlane Dr. This pipe had three broken spots in it. We then filmed 8" VCP main from a new BURIED M/H @ 3537 Woodlane Dr. to a new BURIED M/H @ 3492 Woodlane Dr. This pipe had one broken spot in it. We then filmed 8" VCP main from a new BURIED M/H @ 3492 Woodlane Dr. to M/H #10155 @ 3497 Woodlane Dr. We then filmed 8" VCP main from M/H #10155 @ 3497 Woodlane Dr. to L/S #10151. We inspected as many laterals as we could today, but several of them had too much silt in them to inspect. One lateral was full of grease at the main. Also, several laterals had roots in them. Videos and notes for today are associated with Granite XP Database 15A-07. As stated earlier, we found two new BURIED M/H's today. This information has been emailed to Chad Gish so the map can be updated.

**1263 Pipe Inspection**  
**Crew:** Camera Crew A      **Status:** \*Cal'c UC: \$290.88      \*Task Cost: \$2,036.16      **Start Dt:** 7/16/2015  
**Supervisor:** Galloway, Ronnie      **UOM:** # of Units: 7.00      \*Unit Cost: \$0.00      **End Dt:** 7/16/2015

**Employee**

Resource	UOM	Units	*Total Cost	Alt Description	Start Dt	End Dt
10564 Howe, Daniel	Hours	8.00	\$421.68		7/16/2015	7/16/2015
11156 Barnett, Emmett W	Hours	8.00	\$360.40		7/16/2015	7/16/2015
11489 Humphrey, Nathan	Hours	8.00	\$318.00		7/16/2015	7/16/2015

**Equipment**

Resource	UOM	Units	*Total Cost	Alt Description	Start Dt	End Dt
90-46 TV Truck - Camera Crew A	Hours	8.00	\$399.60		7/16/2015	7/16/2015
90-28 Pickup - System Inspection Tool Truck	Hours	8.00	\$98.64		7/16/2015	7/16/2015
90-76 Jet Rodder - Cleaning Crews	Hours	8.00	\$437.84		7/16/2015	7/16/2015

**Task Comment:** We filmed 8" PVC main from M/H #10165 @ 5791 Timberlane Dr. to M/H #10164 @ 5771 Timberlane Dr. There is one joint in this main that will need to be sealed via Pipe Patch. Also, M/H #10164 will need to be sealed. We then filmed 8" PVC main from M/H #10164 @ 5771 Timberlane Dr. to M/H #10166 @ 5751 Timberlane Dr. There are several large bellies in this main. Also, the connection at 164.2' is leaking at the main. M/H #10166 will need to be sealed. We then filmed 8" PVC main from M/H #10166 @ 5751 Timberlane Dr. to M/H #10168 @ 5753 Maplelane Dr. The connection at 117.8' has infiltration seeping into it at the main. The connection at 286.4' also has infiltration seeping into it at the main. There is a belly in this main at 344. This main changes from PVC to VCP at 352.8'. We then filmed 8" PVC main from M/H #10163 @ 5809 Timberlane Dr. to M/H #10162 @ 5815 Timberlane Dr. M/H #10162 needs a new casting installed on it. We then filmed 8" PVC main from M/H #10162 @ 5815 Timberlane Dr. to M/H #10161 @ 3566 Oaklane Dr. There is a belly in this main at 186'. M/H #10161 needs to be sealed. Also, there is a belly in M/H #10161. We then filmed 8" PVC main from M/H #10161 @ 3566 Oaklane Dr. to M/H #10160 BURIED @ the rear of 5805 Maplelane Dr. This pipe was extremely dirty. We used minimal cleaning in order to film this pipe. We only cleaned it enough to get the camera through it. There were several bellies in this main. We then filmed 8" VCP main UPSTREAM from M/H #10158 @ 5786 Maplelane Dr. to M/H #10160 BURIED @ the rear of 5805 Maplelane Dr. This main changes from VCP to PVC at 50.2'. The connection at 44.4' is full of grease and silt at the main, so we couldn't inspect it. The connection at 56.7' has a rolled gasket at the main and it is leaking. Also, the connection at 62' is leaking at the main. Videos and notes for today are associated with Granite XP Database 15A-07 and will be imported to Lucity. We found several map changes that are needed. These have been emailed to Chad Gish.

**1263 Pipe Inspection**  
**Crew:** Camera Crew A      **Status:** \*Cal'c UC: \$407.23      \*Task Cost: \$2,036.16      **Start Dt:** 7/17/2015  
**Supervisor:** Galloway, Ronnie      **UOM:** # of Units: 5.00      \*Unit Cost: \$0.00      **End Dt:** 7/17/2015

**Employee**

Resource	UOM	Units	*Total Cost	Alt Description	Start Dt	End Dt
10564 Howe, Daniel	Hours	8.00	\$421.68		7/17/2015	7/17/2015
11156 Barnett, Emmett W	Hours	8.00	\$360.40		7/17/2015	7/17/2015

\* A 'Hidden' field indicates permission to view the secured field is turned off.

# Work Order Detail Report

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11489 Humphrey, Nathan	Hours	8.00	\$318.00		7/17/2015	7/17/2015
<b>Equipment</b>						
<b>Resource</b>	<b>UOM</b>	<b>Units</b>	<b>*Total Cost</b>	<b>Alt Description</b>	<b>Start Dt</b>	<b>End Dt</b>
90-46 TV Truck - Camera Crew A	Hours	8.00	\$399.60		7/17/2015	7/17/2015
90-28 Pickup - System Inspection Tool Truck	Hours	8.00	\$98.64		7/17/2015	7/17/2015
90-76 Jet Rodder - Cleaning Crews	Hours	8.00	\$437.84		7/17/2015	7/17/2015

**Task Comment:** We filmed 8" VCP main UPSTREAM from M/H #10168 @ 5753 Maplelane Dr. to M/H #10157 @ Maplelane Dr. / Hickory Ct. The main is broken at 167' and infiltration is running in at this point. The connection at 147.4' has cracks in it approx. 11' outside the main. M/H #10157 needs a window cut in the pipe to allow for proper maintenance. We then filmed 8" VCP main UPSTREAM from M/H #10157 @ Maplelane Dr. / Hickory Ct. to M/H #10159 @ 5778 Maplelane Dr. This pipe is broken at 2.5' and 192'. Also, the main is broken around the connections at 86.3' and 195.2'. The connection at 217.5' is leaking at the main. The casting on M/H #10159 is welded closed. Also, this main had two root masses in it, but we were able to film past them. They will need to be root cut in the future. We then filmed 8" VCP main from M/H #10159 @ 5778 Maplelane Dr. to M/H #10158 @ 5786 Maplelane Dr. This main is broken at 4'. The connection at 63.7' is leaking at the first joint outside the main. At 96.9', there is a large chunk of mortar in the flow line. We couldn't film past it. It will need to be chain cut in the future. Again, we had to film these three segments backwards because of multiple issues with these pipes. At some points, the camera lens got dirty because the camera went under water. There wasn't any way to avoid this due to the multiple issues with the M/H's. All three of these pipes had multiple bellies in them. We then filmed 8" VCP main from M/H #10168 @ 5753 Maplelane Dr. to M/H #10153 @ the rear of 3525 Hickory Ct. to M/H #10152 @ the rear of 3523 Hickory Ct. Both of these pipes had lots of silt in them and multiple bellies in each. The casting is offset on M/H #10168. The pipe is broken approx. 3' downstream of M/H #10168. M/H #10153 and M/H #10152 needs to be sealed because of roots in them. We then attempted to film 8" VCP main from M/H #10156 @ 3516 Hickory Ct. to M/H #10153 @ the rear of 3525 Hickory Ct. We ran into silt at 43'. We will return next week and try to inspect it again. Videos and notes are associated with Granite XP Database 15A-07 and will be imported to Lucity.

**1263 Pipe Inspection**

**Crew:** Camera Crew A      **Status:**      **\*Cal'c UC:** \$339.36      **\*Task Cost:** \$2,036.16      **Start Dt:** 7/21/2015  
**Supervisor:** Galloway, Ronnie      **UOM:**      **# of Units:** 6.00      **\*Unit Cost:** \$0.00      **End Dt:** 7/21/2015

**Employee**

Resource	UOM	Units	*Total Cost	Alt Description	Start Dt	End Dt
10564 Howe, Daniel	Hours	8.00	\$421.68		7/21/2015	7/21/2015
11156 Barnett, Emmett W	Hours	8.00	\$360.40		7/21/2015	7/21/2015
11489 Humphrey, Nathan	Hours	8.00	\$318.00		7/21/2015	7/21/2015

**Equipment**

Resource	UOM	Units	*Total Cost	Alt Description	Start Dt	End Dt
90-46 TV Truck - Camera Crew A	Hours	8.00	\$399.60		7/21/2015	7/21/2015
90-28 Pickup - System Inspection Tool Truck	Hours	8.00	\$98.64		7/21/2015	7/21/2015
90-76 Jet Rodder - Cleaning Crews	Hours	8.00	\$437.84		7/21/2015	7/21/2015

# Work Order Detail Report

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**Task Comment:** We returned to finish filming 8" VCP main from M/H #10156 @ 3516 Hickory Ct. to M/H #10153 @ the rear of 3525 Hickory Ct. We had to abandon survey at 49.9' because of a large root mass. We then filmed UPSTREAM from M/H #10153 @ the rear of 3525 Hickory Ct. towards M/H #10156 @ 3516 Hickory Ct. We filmed back to this same large root mass and abandoned survey at that point. This large root mass will need to be removed with root cutter. This pipe also had roots at other joints, but we were able to film through them. We then filmed 8" VCP main UPSTREAM from M/H #10174 @ 3427 Oaklane Dr. to M/H #10176, BURIED @ 3435 Oaklane Dr. There was a lot of silt and high flow in this pipe, but we got it filmed. We then filmed 8" VCP main UPSTREAM from M/H #10174 @ 3427 Oaklane Dr. to M/H #10172, BURIED @ Oaklane Dr. / Cedarlane Dr. There are lots of infiltration seepers, several bellies, and some roots in this pipe segment. This main had broken points at 161.5', 164.5', 173.6', and 184' Upstream of M/H #10174. We then filmed 8" VCP main from M/H #10174 @ 3427 Oaklane Dr. to M/H #10185 @ the rear of 3416 Oaklane Dr. There were several bellies in this pipe segment. We then filmed 8" VCP main UPSTREAM from M/H #10176, BURIED @ 3435 Oaklane Dr. to M/H #10181, BURIED @ 3457 Oaklane Dr. The connection at 12.7' Upstream of M/H #10176 is a hammer tap that is leaking at the main. There are lots of infiltration seepers in this pipe segment. The connection at 149.9' Upstream of M/H #10176 has infiltration seeping into it at the main. We then filmed 8" VCP main from M/H #10173 @ 3313 Oaklane Dr. to M/H #10172, BURIED @ Oaklane Dr. / Cedarlane Dr. There are roots at several joints in this pipe segment. Also, there are several bellies in this pipe segment. The main is broken at 3' and 31.6' Downstream of M/H #10173. Videos and notes for today are associated with Granite XP Database 15A-07 and will be imported to Lucity. We found several map changes today. These have been emailed to Chad Gish.

**1263 Pipe Inspection**  
**Crew:** Camera Crew A      **Status:**      **\*Cal'c UC:** \$259.52      **\*Task Cost:** \$1,038.08      **Start Dt:** 7/22/2015  
**Supervisor:** Galloway, Ronnie      **UOM:**      **# of Units:** 4.00      **\*Unit Cost:** \$0.00      **End Dt:** 7/22/2015

<b>Employee</b>						
Resource	UOM	Units	*Total Cost	Alt Description	Start Dt	End Dt
10564 Howe, Daniel	Hours	4.00	\$210.84		7/22/2015	7/22/2015
11156 Barnett, Emmett W	Hours	4.00	\$180.20		7/22/2015	7/22/2015
11489 Humphrey, Nathan	Hours	4.00	\$159.00		7/22/2015	7/22/2015

<b>Equipment</b>						
Resource	UOM	Units	*Total Cost	Alt Description	Start Dt	End Dt
90-46 TV Truck - Camera Crew A	Hours	4.00	\$199.80		7/22/2015	7/22/2015
90-28 Pickup - System Inspection Tool Truck	Hours	4.00	\$49.32		7/22/2015	7/22/2015
90-76 Jet Rodder - Cleaning Crews	Hours	4.00	\$218.92		7/22/2015	7/22/2015
MiniCam MiniCam	Hours	4.00	\$20.00		7/22/2015	7/22/2015

**Task Comment:** We filmed 6" VCP main from a M/H @ 5801 Old Highway 54 to the East approx. 379'. The main was broken at this point and we couldn't film past it. In the section we filmed, the main was broken at 164.1', 165.9', 185.5', 188.1', 374', and 379'. There were several bellies in this section as well. We then used the pushcam to inspect 6" VCP main UPSTREAM (to the North) of the M/H @ 5801 Old Highway 54. At 3' UPSTREAM, there is a large root mass and the main is broken. The camera went underwater at 20'. We pushed to 80', but the camera never came above water because of a belly in the pipe. There was a lot of silt as well, so we had to abandon survey. We then used pushcam to film this 6" VCP main from the M/H @ the rear of 5710 Highway 54 to the South approx. 115'. It had lots of silt in it, so we had to abandon survey at that point. The total length of this main segment is 320'. We were only able to see approx. 135' of it. There were several bellies in the section that we filmed. We then used pushcam to film 6" VCP main UPSTREAM (to the West) of the M/H @ the rear of 5710 Highway 54. We had to abandon survey at 114' because of a large root mass taking up approx. 95% of the main. At 4' UPSTREAM, there is a connection coming in from the North. At 107' UPSTREAM, there is a connection coming in from the North. At 109' UPSTREAM, there is a connection coming in from the South. There were several root masses in the section we filmed. We then filmed 6" PVC main UPSTREAM from the M/H @ 5881 Old HWY 54 to the NE approx. 50.3'. This entire section had a belly in it, and the camera was nearly underwater the entire segment. We ran into silt at 50.3', so we had to abandon survey. This M/H needs a casting put on it. Currently, there is just a lid sitting on two boards. Also, we discovered a BLIND TEE approx. 23.5' South of the M/H @ 5881 Old HWY 54. This BLIND TEE comes in from the West (in Old Highway 54) and is the 6" VCP main that we filmed earlier today. Videos and notes for today are associated with Granite XP Database 15A-07 and will be imported to Lucity. There aren't videos for the pipes that we filmed with the pushcam, but there are notes.

**1263 Pipe Inspection**  
**Crew:** Camera Crew A      **Status:**      **\*Cal'c UC:** \$199.98      **\*Task Cost:** \$1,399.86      **Start Dt:** 7/24/2015  
**Supervisor:** Galloway, Ronnie      **UOM:**      **# of Units:** 7.00      **\*Unit Cost:** \$0.00      **End Dt:** 7/24/2015

\* A 'Hidden' field indicates permission to view the secured field is turned off.

# Work Order Detail Report

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Employee						
Resource	UOM	Units	*Total Cost	Alt Description	Start Dt	End Dt
10564 Howe, Daniel	Hours	5.50	\$289.91		7/24/2015	7/24/2015
11156 Barnett, Emmett W	Hours	5.50	\$247.78		7/24/2015	7/24/2015
11489 Humphrey, Nathan	Hours	5.50	\$218.63		7/24/2015	7/24/2015
Equipment						
Resource	UOM	Units	*Total Cost	Alt Description	Start Dt	End Dt
90-46 TV Truck - Camera Crew A	Hours	5.50	\$274.73		7/24/2015	7/24/2015
90-28 Pickup - System Inspection Tool Truck-	Hours	5.50	\$67.82		7/24/2015	7/24/2015
90-76 Jet Rodder - Cleaning Crews	Hours	5.50	\$301.02		7/24/2015	7/24/2015

**Task Comment:** We filmed 8" VCP main from M/H #10152 @ the rear of 3523 Hickory Ct. to Lift Station #10151. M/H #10152 needs to be sealed. There are roots in it. This main is PVC from 46' - 107'. The rest of it is VCP. There are two open laterals on this main. We couldn't get the lateral camera into them because of the angle. Both had seepers at the main. There are multiple bellies in this main. This main has silt in it too. We then filmed 8" VCP main from M/H #10185 @ the rear of 3416 Oaklane Dr. to M/H @ the rear of 3414 Oaklane Dr. This pipe is broken at 1' and will need to be repaired via Pipe Patch. We then filmed 8" VCP main from M/H @ the rear of 3414 Oaklane Dr. to M/H @ the rear of 3320 Oaklane Dr. (in corn field where ditches come together). This pipe is broken at 262.4' and will need to be repaired via Pipe Patch. We couldn't continue filming downstream because the pipe was nearly 100% full approx. 10' Downstream of this M/H. We moved over to Old Highway 54 and filmed 8" VCP main UPSTREAM from M/H @ 5881 Old Highway 54 to M/H in corn field @ 5881 Old Highway 54. This main had multiple bellies in it. We then filmed 8" VCP main UPSTREAM from M/H in corn field at 5881 Old Highway 54 to the M/H on South side of HWY 54. This pipe also had multiple bellies in it. Also, there is a lid in the bottom of the M/H on South side of HWY 54. We then filmed 8" VCP main UPSTREAM from the M/H on South side of Highway 54 to the Next M/H to North across Highway 54. This pipe also had multiple bellies in it. We then began filming 8" VCP main UPSTREAM from North M/H across Highway 54 to M/H @ the rear of 3320 Oaklane Dr. (in corn field where ditches come together). We only made it approx. 190.6' because there is a large root mass at this point. It is taking up nearly the entire pipe. This is probably why the M/H at the ditches holds so much water. This pipe also had several bellies in it. We still need to locate the three M/H's between the M/H where the ditches come together and the M/H at Old Highway 54. Videos and notes for today are associated with Granite XP Database 15A-07 and will be imported to Lucy.

**1263 Pipe Inspection**

Crew: Camera Crew A      Status:      \*Cal'c UC: \$222.71      \*Task Cost: \$890.82      Start Dt: 7/27/2015  
 Supervisor: Galloway, Ronnie      UOM:      # of Units: 4.00      \*Unit Cost: \$0.00      End Dt: 7/27/2015

Employee						
Resource	UOM	Units	*Total Cost	Alt Description	Start Dt	End Dt
10564 Howe, Daniel	Hours	3.50	\$184.49		7/27/2015	7/27/2015
11156 Barnett, Emmett W	Hours	3.50	\$157.68		7/27/2015	7/27/2015
11489 Humphrey, Nathan	Hours	3.50	\$139.13		7/27/2015	7/27/2015
Equipment						
Resource	UOM	Units	*Total Cost	Alt Description	Start Dt	End Dt
90-46 TV Truck - Camera Crew A	Hours	3.50	\$174.83		7/27/2015	7/27/2015
90-28 Pickup - System Inspection Tool Truck	Hours	3.50	\$43.16		7/27/2015	7/27/2015
90-76 Jet Rodder - Cleaning Crews	Hours	3.50	\$191.56		7/27/2015	7/27/2015

**Task Comment:** We filmed 8" VCP main from M/H @ 5881 Old Highway 54 to BLIND TEE in Old Highway 54. This BLIND TEE has infiltration running around it. We then filmed 8" VCP main UPSTREAM from M/H @ 5930 Old Highway 54 to BLIND TEE in Old Highway 54. There is a belly in this pipe at 30'. We then filmed 8" VCP main from M/H @ 5930 Old Highway 54 to M/H @ the rear of 5930 Old Highway 54. Both of these M/H's need to be sealed. The connection at 23.4' has multiple cracks in it at the main. There are multiple bellies, seepers, silt, and fine roots in this segment. We then filmed 8" VCP main from M/H @ the rear of 5930 Old Highway 54 to the Package Plant. There are multiple bellies, seepers, silt, and fine roots in this segment. The flow was high in this pipe because of the pump level at the Package Plant. We had all incoming flow plugged, but the water level in the pipe was still high. Videos and notes for today are associated with Granite XP Database 15A-07 and will be imported to Lucy.

# Work Order Detail Report

8/28/2015

9:49 AM

<b>1401 Job Planning</b>		<b>Status:</b>	<b>*Cal'c UC:</b> \$37.71	<b>*Task Cost:</b> \$150.84	<b>Start Dt:</b> 7/27/2015
Crew: Camera Crew A		<b>UOM:</b>	<b># of Units:</b> 4.00	<b>*Unit Cost:</b> \$0.00	<b>End Dt:</b> 7/27/2015
Supervisor: Galloway, Ronnie					
<b>Employee</b>					
<b>Resource</b>	<b>UOM</b>	<b>Units</b>	<b>*Total Cost</b>	<b>Alt Description</b>	<b>Start Dt</b> <b>End Dt</b>
10564 Howe, Daniel	Hours	2.50	\$131.78		7/27/2015   7/27/2015
<b>Contractor</b>					
<b>Resource</b>	<b>UOM</b>	<b>Units</b>	<b>*Total Cost</b>	<b>Alt Description</b>	<b>Start Dt</b> <b>End Dt</b>
550 amazon.com	Each	1.00	\$19.06	Tech Supplies - jur	7/27/2015   7/27/2015
<b>Task Comment:</b> Worked on Granite XP lateral files, created maps, printed notes, built Excel spreadsheet for problems found, and reviewed videos for Cedar Hills.					
<b>1401 Job Planning</b>		<b>Status:</b>	<b>*Cal'c UC:</b> \$0.00	<b>*Task Cost:</b> \$263.55	<b>Start Dt:</b> 8/27/2015
Crew: Camera Crew A		<b>UOM:</b>	<b># of Units:</b> 0.00	<b>*Unit Cost:</b> \$0.00	<b>End Dt:</b> 8/27/2015
Supervisor: Galloway, Ronnie					
<b>Employee</b>					
<b>Resource</b>	<b>UOM</b>	<b>Units</b>	<b>*Total Cost</b>	<b>Alt Description</b>	<b>Start Dt</b> <b>End Dt</b>
10564 Howe, Daniel	Hours	5.00	\$263.55		8/27/2015   8/27/2015
<b>Task Comment:</b> Organized all information for Cedar Hills.					
<b>1401 Job Planning</b>		<b>Status:</b>	<b>*Cal'c UC:</b> \$0.00	<b>*Task Cost:</b> \$52.71	<b>Start Dt:</b> 8/28/2015
Crew: Camera Crew A		<b>UOM:</b>	<b># of Units:</b> 0.00	<b>*Unit Cost:</b> \$0.00	<b>End Dt:</b> 8/28/2015
Supervisor: Galloway, Ronnie					
<b>Employee</b>					
<b>Resource</b>	<b>UOM</b>	<b>Units</b>	<b>*Total Cost</b>	<b>Alt Description</b>	<b>Start Dt</b> <b>End Dt</b>
10564 Howe, Daniel	Hours	1.00	\$52.71		8/28/2015   8/28/2015
<b>Task Comment:</b> Transferred all Cedar Hills information to a thumb drive.					

<b>Projected Complete:</b> 8/28/2015 9:00 AM	<b>Lock:</b> <input checked="" type="checkbox"/>	<b>WO Duration</b>	<b>*Actual</b> 45.85	<b>*Estimated</b> 0.00	<b>*Difference</b> 0.00
<b>Repair Type:</b>		<b>Labor Hours</b>	170.00	0.00	0.00
<b>Subcontractor:</b>		<b>Labor Costs</b>	\$7,837.13	\$0.00	\$0.00
<b>Profit Center:</b>		<b>Material Costs</b>	0.00	0.00	0.00
		<b>Fluids Costs</b>	0.00	0.00	0.00
<b>Quantity:</b> 0.00	<b>Lock:</b> <input type="checkbox"/>	<b>Equipment Costs</b>	6,212.66	0.00	0.00
<b>Unit of Measure:</b>		<b>Contractor Costs</b>	19.06	0.00	0.00
<b>*Unit Cost:</b> \$0.00		<b>Misc. Costs</b>	0.00	0.00	0.00
<b>WO Hours:</b> 0.00		<b>Total Costs</b>	<b>\$14,068.85</b>	<b>\$0.00</b>	<b>\$0.00</b>
		<b>Use Task Info:</b>	True	True	

### Billing

<b>Billed Party</b>		<b>Customer Number:</b>	
<b>Customer ID:</b> Daviess COunty		<b>Last Name:</b> Brasher	
<b>Customer Name:</b> Mark		<b>Phone:</b>	<b>Cell #:</b>
<b>Address:</b>		<b>Fax #:</b>	
<b>City:</b>		<b>E-mail:</b>	
<b>State:</b>			
<b>Zip:</b>			
<b>Billing Data</b>			
<b>Contact Name:</b>		<b>*Billing Amount:</b>	<b>Billing Required:</b> <input checked="" type="checkbox"/>
<b>Invoice Number:</b>		<b>Date Bill Sent:</b>	<b>Billing Processed:</b> <input type="checkbox"/>
<b>Incoming Account #:</b>		<b>Payment Received:</b>	<b>Imported to Financials:</b> <input type="checkbox"/>
		<b>Payment Method:</b>	

\* A 'Hidden' field indicates permission to view the secured field is turned off.

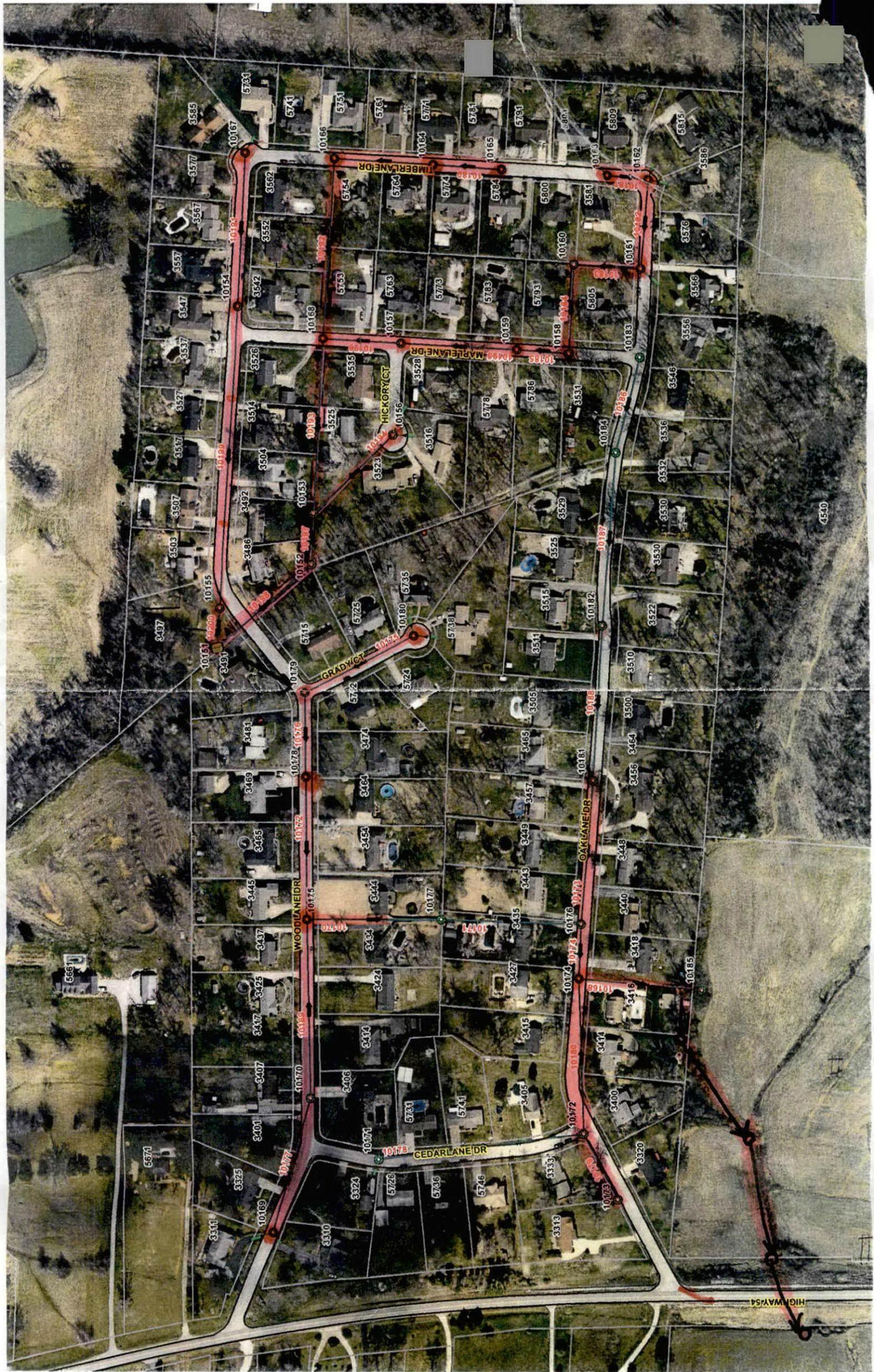
# Work Order Detail Report

8/28/2015

9:49 AM

Item	Description	By	Date	Time
Work Order Creation	This work order was created with the Lucy framework.	Ronnie Galloway	7/13/2015	1:29 PM
Status Change	from New Work Order to WO On Hold	Ronnie Galloway	7/13/2015	1:31 PM
Status Change	from WO On Hold to In Progress	Daniel Howe	7/14/2015	7:17 AM
Crew Change	from to Camera Crew A	Daniel Howe	7/14/2015	7:17 AM
Problem Change	from to Needs General Inspection	Daniel Howe	7/14/2015	7:17 AM
Status Change	from In Progress to Inspection Complete	Daniel Howe	8/28/2015	9:36 AM

Sector Type:	Units:	Road Closing Sent:	<input type="checkbox"/>
Sector #:	Project Budget Total:	Dirt?:	<input type="checkbox"/>
IM Site:	User 13:	Asphalt?:	<input type="checkbox"/>
Repair Method:	WO User 23:	Concrete?:	<input type="checkbox"/>
WO User 17:	WO User 24:	Tasks updated:	<input type="checkbox"/>
WO User 18:	AR Date:	WO User 28:	<input type="checkbox"/>
WO User 19:	User 10:	CSR2014-2:	<input type="checkbox"/>
WO User 20:	User 11:	Project Reconciled:	<input type="checkbox"/>
WO User 21:	Asset Tag Date:		
WO User 50:			
WO User 51:			
WO User 5:	Project Asset #:		
SCADA ID:	WO User 22:		
WO User 31:	WO User 42:		
WO User 32:	WO User 43:		
WO User 33:	WO User 44:		
WO User 34:	WO User 45:		
WO User 35:	WO User 46:		
WO User 36:			
WO User 37:			
WO User 38:			
WO User 39:			
WO User 40:	WO User 47:		
WO User 41:	WO User 48:		
WO Creator: Ronnie Galloway	WO Creation Date: 7/13/2015	PM Trigger:	Rec #: 33,029



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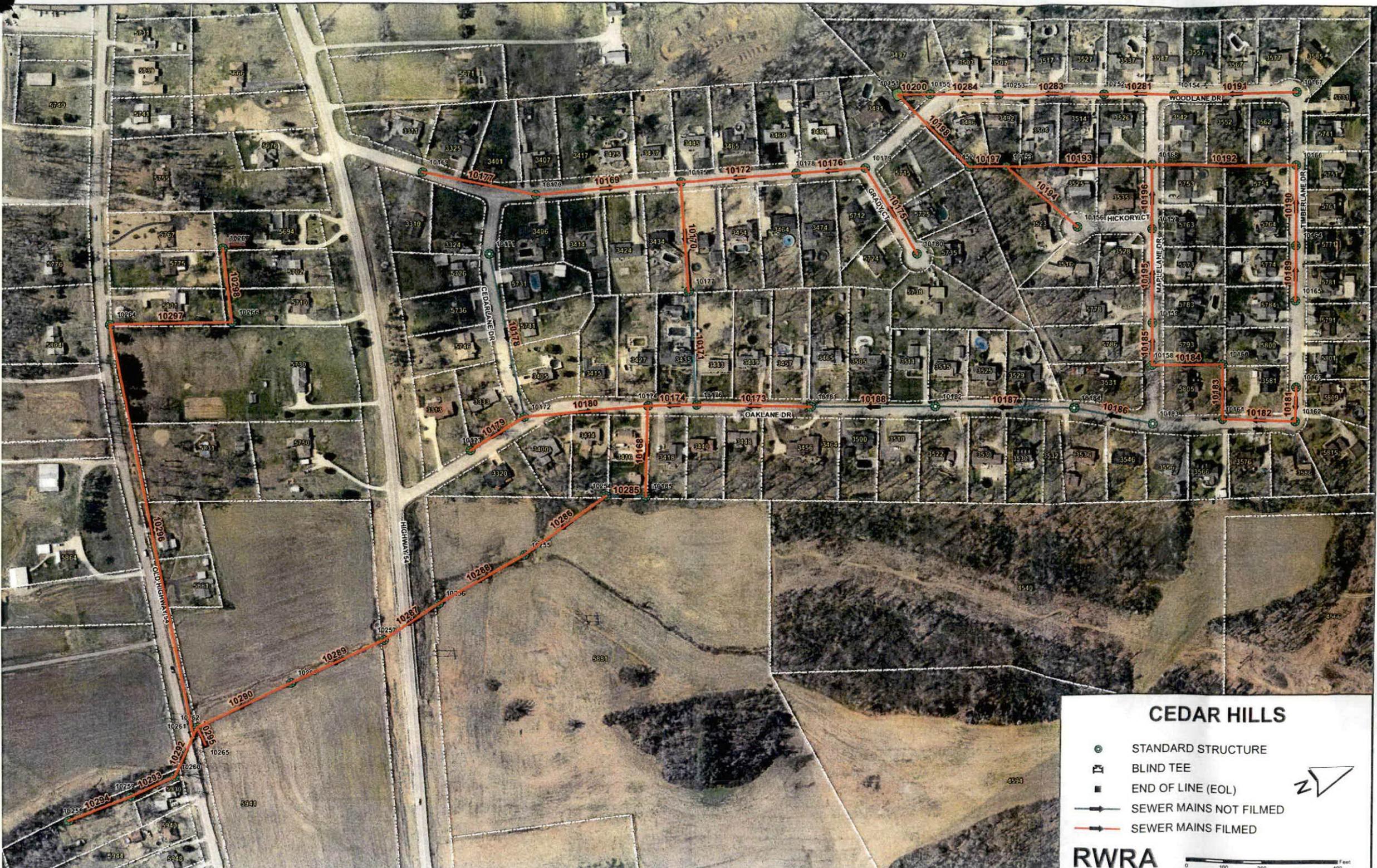
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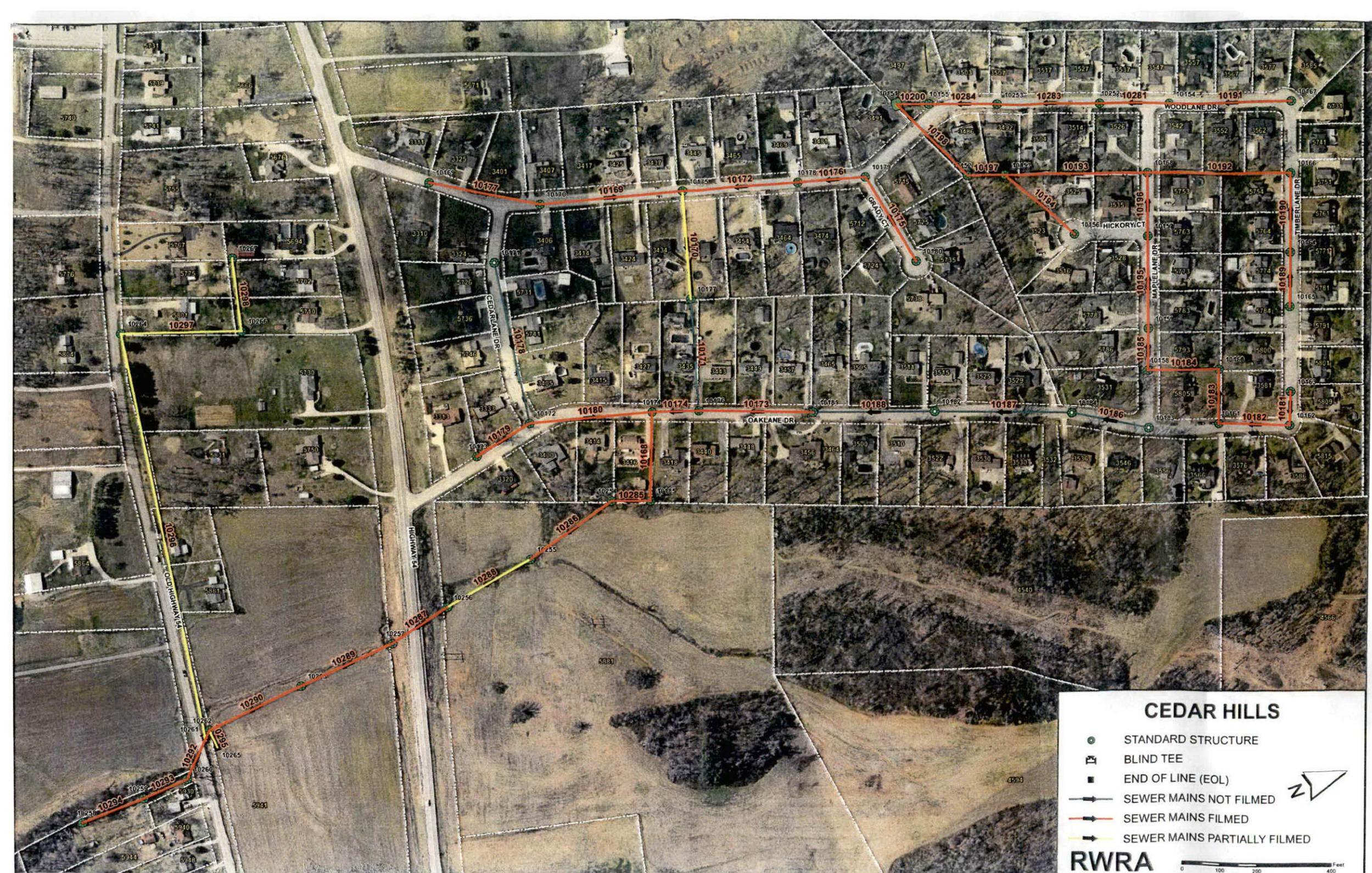
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### CEDAR HILLS

-  STANDARD STRUCTURE
-  BLIND TEE
-  END OF LINE (EOL)
-  SEWER MAINS NOT FILMED
-  SEWER MAINS FILMED

RWRA  



### CEDAR HILLS

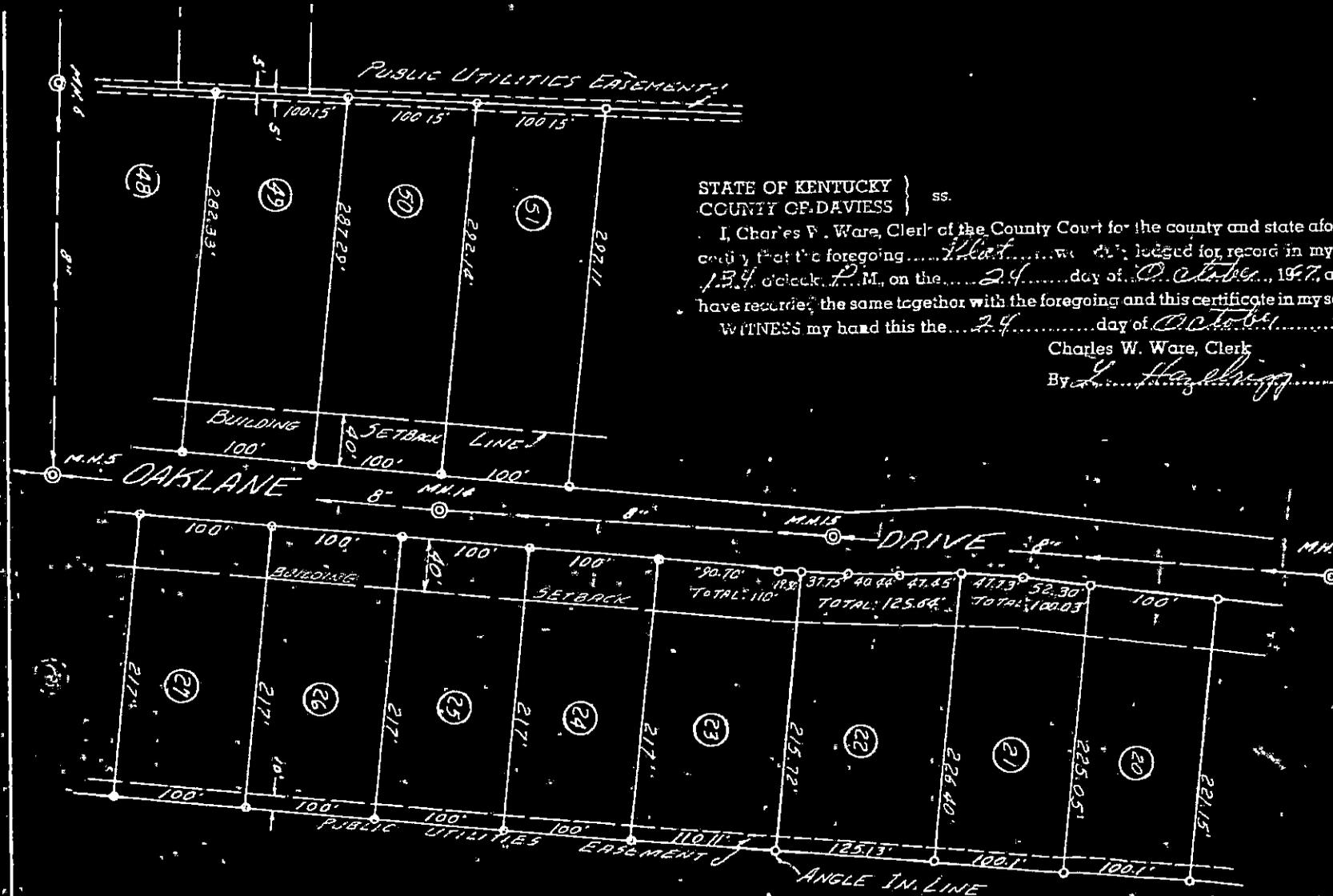
- STANDARD STRUCTURE
- BLIND TEE
- END OF LINE (EOL)
- SEWER MAINS NOT FILMED
- SEWER MAINS FILMED
- SEWER MAINS PARTIALLY FILMED



RWRA







STATE OF KENTUCKY }  
 COUNTY OF DAVIESS } ss.

I, Charles W. Ware, Clerk of the County Court for the county and state aforesaid, do hereby certify that the foregoing plat was duly lodged for record in my office at 1:34 o'clock P.M. on the 24 day of October, 1927, and I have recorded the same together with the foregoing and this certificate in my office.

WITNESS my hand this the 24 day of October, 1927.  
 Charles W. Ware, Clerk  
 By *L. H. Haggard*

GEORGE HILLS  
 DRAFTER  
 AUGUST 25, 1927  
 JOHNSON &  
 OWENS

NOTE:  
 PLAT No. 2-4

I HEREBY CERTIFY  
 THAT THE FOREGOING  
 IS TRUE AND CORRECT  
 TO THE BEST OF MY KNOWLEDGE  
 AND BELIEF.  
 REGISTERED SURVEYOR  
 REGISTERED

BOOK





I HEREBY  
TRUE AND  
MY HAND

*[Signature]*  
REGISTRAR  
REGISTER

THIS UNIT HAS  
IN DEED BOOK  
PURPOSE OF  
CORRECT THE  
DISPOSAL COMP.

STATE OF KENTUCKY  
COUNTY OF DAVIES  
L. Charles W. Ware, Clerk of the  
County, do hereby certify that the foregoing  
is a true and correct copy of the original  
as recorded in the same together with  
WITNESS my hand this 14th

1950

CEGAR

DAV  
JANUARY  
1950  
OW

KENTUCKY UNIT NO. 34