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PUBLIC SERVICE COMMISSION

### **CedarBrook**

#### MARTIN'S PIPELINE INSPECTION

PO BOX 5343 PARIS, KY 40362-5343 PHONE (859) 987-2529 FAX (859) 987-2583

Note: NEAL Buchemon

854-983-8605

CAMPA & Vac

Performed Camara work and programs

Tels Report Eq. Calarbrook 1-2006



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#### **PROJ INFO**

 PROJ NAME:
 PROJECT NUM:
 RESPONSIBLE:
 DATE:

 CedarBrook
 R.A. Williams
 01/24/2006

- - - -

CLIENT

CedarBrook WWTP

**RESPONSIBLE:** 

R.A. Williams

DEPARTMENT:

**Owner** 

PO BOX:

STREET:

CITY, ST ZIP:

TELEPHONE:

502-693-8634

FAX:

MOBILE: E-MAIL:

PROJ MGR

RESPONSIBLE:

**DEPARTMENT:** 

PO BOX:

STREET:

CITY, ST ZIP:

**TELEPHONE:** 

FAX:

MOBILE:

E-MAIL:

CONTRACTOR

MARTINS PIPELINE INSPECTION

**RESPONSIBLE:** 

**DEPARTMENT:** 

TV INSPECTION

PO BOX:

5314

STREET:

113 WEST 2ND STREET

CITY, ST ZIP:

**PARIS, KY 40513** 

TELEPHONE:

859-987-2529

FAX:

859-987-2583

MOBILE:

859-983-8603

E-MAIL:

01\_24\_2006.mdb // PAGE: 1



#### **RATING LEGEND**

TATING LEGENS									
PROJ NAME:	PROJECT NUM:	RESPONSIBLE:	DATE:						
CedarBrook		R.A. Williams	01/24/2006						

Occurances without damage: for example, laterals, joints etc. NO DEFECTS WERE DETECTED. Constructional deficiencies or occurances with insignificant influence to tightness, hydraulic <u>2:</u> or static pressure of pipe: f.e. wide joints, badly torched intakes, minor deformation of plastic pipes, minor erosions etc. REHABILITATION CAN BE SCHEDULED LONG-TERM. Constructional deficiencies diminishing static, hydraulic and tightness: Le lopen joints. 3: untorched intakes, cracks, minor drainage obstructions such as calcide build ups, protruding laterals, minor damages to pipe wall individual root penetrations, corroded pipe walls etc. REHABILITATION IS NECESSARY MEDIUM-TERM WITHIN 2 TO 5 YEARS. Constructional damages with nonsufficient static safety, hydraulic or tightness: f.e. axial/radial-4: pipebursts, pipe deformations, visually noticeable infiltration/exfiltration, cavities in pipe-wall, severe protruding, laterals severe root penetrations, severe corrosion of pipe wall etc. REHABILITATION PROCEDURE IS URGENT AND HAS TO BE COMPLETED WITHIN 1 TO 2 YEARS, NECESSITY FOR EMERCENCY OPERATIONS HAS TO BE EXAMINED. Pipe is already or will shortly be impermeable: f.e. collapsed pipe, deeply rooted pipe or other 5: drainage obstructions. Pipe loses water or danger of backwater in basements etc. REHABILITATION IS URGENT AND SHORT-TERM. IN ORDER TO PREVENT FURTHER DAMAGE, NECESSARY TEMPORARY SPOT REPAIR HAS TO BE CONDUCTED ON EMERGENCY LEVEL.



DATE: 01/24/2006	WORK#:	WEATHER: cloudy	OPERATOR: Scott Fleming	SECTION NR: 1	SECTION NAME:							
PRESENT:	VEHICLE: TV-1	CAMERA:	PRESET:	CLEANED: No	RATE: <b>520</b>							

_			TV-1	Zoom		No		52	0
		edarBrook_		_MAP #1:		тмн:	5 ,~		
CIT	Ϋ́: C <sub>1</sub>	nthlana	****	MAP #2:	·	·MH:	10		
LO	CALE: st	reet area	·	TAPE#: Tape	e-1 - ·	TV'D LGTH:	90.2 ft	•-	
INS	SPECT REASC	N: gen.	condition control						
SE	CTION TYPE:	waste	)	_	MATERIAL: ( LINING:	ceramics JT LG	TH: 3ft		
AR	EA:	<del> </del>			RSRVD:				
REI	MARK:								
	1:225	POSITION	CODE	OBSERVATION			MPEG	РН	RATE
	5.	0.00	0	Inspection begins at dow	rnstream manhole				0
	the second secon	<u>19.40</u>	<b>3</b> 60	service connection with r	oots heavy, at 09 ofclock		00.01. <b>3</b> 8		5
	7 1 1								
()							20.04.02		
		72.20	160	service connection with re	oots light, at 09 o'clock		00:04:08		1
		72.20 84.30		service connection, at 03			00:04:08		0
			0 :			,			



#### **INSPECTION REPORT**

1											
DATE: 01/24/2006	WORK #:	WEATHER: cloudy	OPERATOR: Scott Fleming	SECTION NR:	SECTION NAME:						
PRESENT:	VEHICLE:	CAMERA: Zoom	PRESET:	CLEANED: No	RATE:						

STREET: K	Ingsbury	MAP #1:	-		i	-МН:	10A	
CITY: C	ynthlana	MAP #2;			-	-MH:	11	- •
LOCALE: st	treet area ·	TAPE #:	• Та	pe-1		TV'D LGTH:	305.1 ft	
INSPECT REASO	ON: gen. condition control			PIPE SIZE:	-	8" ,,		
SECTION TYPE:	waste	, , , ,		MATERIAL: LINING:		ceramics JT LGT	H: 3ft	
AREA:		•	•	RSRVD:				

1:750	POSITION	CODE	OBSERVATION	MPEG	PH	RATE
(10A)	0.00	0	. inspection begins at downstream manhole			o
	79.80 81.90	0	service connection, at 03 o'clock service connection, at 09 o'clock	00:03:12 00:03:32		0
	149.70 161.80	0	service connection, at 03 o'clock service connection, at 09 o'clock	00:05:59 00:06:43		0
	231.40	0	service connection, at 09 o'clock	00:09:14		0
	293.70 304.00	0	service connection capped, at 03 o'clock roots in manhole	00:11:44 00:12:31		0
(2,11:)	305.10	0	inspection ends at upstream manhole	00:13:11		0



l		11101 1011 1121 0111									
	DATE: 01/24/2006	WORK#:	WEATHER: cloudy	OPERATOR: Scott Fleming	SECTION NR:	SECTION NAME:					
	PRESENT:	VEHICLE: TV-1	CAMERA; Zoom	PRESET:	CLEANED: No	RATE: 1865					

	RESENT:		TV-1	Zoom Zoom	PRESET:	No	1865
STREET CITY: LOCALE	C)	ingsbury Inthiana reet area .		MAP#1: MAP#2: TAPE#: Tap		MH: 10A  MH: pumpst: TV'D LGTH: 105.3 ft	ation
	T REASO		ondition contro	<del></del>	PIPE SIZE: 8"	<del></del> -	
AREA:	N TYPE:	waste			MATERIAL:ce LINING: RSRVD:	ramics JT LGTH: 3ft	
REMAR	K: 						
	1:275	POSITION	CODE	OBSERVATION		MPEG	PH RA
(2	10A )-	0.00	0	inspection begins at ups	stream manhole		C
	1 × 4 × 4 × 4 × 4 × 4 × 4 × 4 × 4 × 4 ×	<u>34 70</u>	575	service connection with	infiltration gushing around,	at 09 00:01:37	4
		35 20	500	pipe proken ai joint at 0	9 ofalock	UC 02 11	Ţ.
) )		35 20	320	Infiltration Running at join	int et 00 a clock	09.02 12	3
		41.10	0	service connection capp	ed, at 09 o'clock	00:02:33	C
		73 <u>60</u>	220	Infiltration Seeping at joi	nt at 09 c'clock	00:04:04	2
		98 50	250	separated joint medium		<del>00</del> ∙05·10	2
pum	pstation	105.30	0	inspection ends at pump	station	00:05:56	0



DATE: 01/24/2006	WORK #:	WEATHER: cloudy	OPERATOR: Scott Fleming	SECTION NR:	SECTION NAME:						
PRESENT:	VEHICLE:	CAMERA: Zoom	PRESET:	CLEANED: No	RATE: 0						

L	·	1	TV-1	Zoom	-	No	<u>                                      </u>	)
s	TREET: ki	ingsbury	-1	MAP #1:		-MH: 3		
c	ITY: C	ynthiana	- "	MAP #2:	·	.MH: 4		
L	OCALE: st	treet area	, , , , , , , , , , , , , , , , , , ,	TAPE#; Tape	<b>1</b>	TV'D LGTH: . 176.1	ft ' i	
, 11	ISPECT REASO	ON:	gen. condition control	<del></del>		8"	ī	
s	ECTION TYPE:		waste		MATERIAL: LINING:	ceramics JT LGTH: 3ft		
A	REA:		1 * # # <del>. *</del>		RSRVD:	,		
R	EMARK:						•	
			•					1
	1:450	POSIT	TION CODE	OBSERVATION		MPEG	PH	RATE
1							-	j
								ľ
	(3)-		<u>0.00</u> 0	inspection begins at upst	ream manhole			0
			•					-
1		1	<u>5.70</u> 0	service connection, at 03	oʻclock	00:01:24	ŀ	0
								İ
i	4							ł
ļ								
								Ì
,,,								ļ
18	[:]							
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1								
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1								1
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	, ,							1
		176	<u>5.10</u> 0 d	camera blocked, Inspection	on abandoned	00:09:23		0
	-							-



0

INS	PF	CTI	O	N	R	F	Pr	١F	27	•
1110		$\mathbf{v}$	$\mathbf{v}$	•		_		"	<b>√</b> 1	

DATE: 01/24/2006	WORK#:	WEATHER; cloudy	OPERATOR: Scott Fleming	SECTION NR: 5	SECTION NAME:
PRESENT:	VEHICLE: TV-1	CAMERA: Zoom	PRESET:	CLEANED: No -	RATE: 0

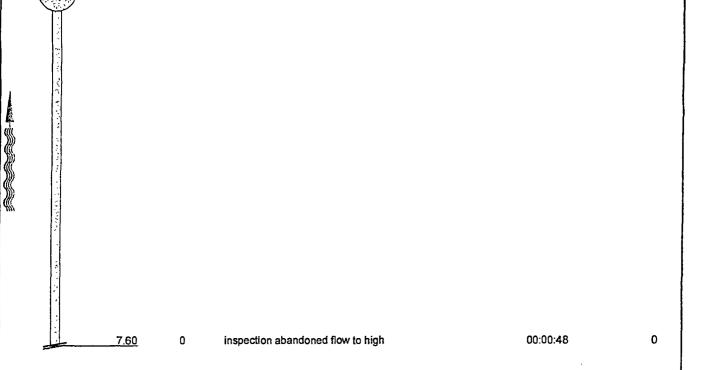
STREET:	CedarBrook reverse	MAP#1:		-MH: ·-··-	4	-	
СПҮ:	Cynthlana	MAP#2:		MH:	3		
LOCALE:	street area .	TAPE #:	Tape-1	TV'D LGTH:	7.6 ft	- ĉî	
INSPECT R	EASON: gen. condition control	PIPE SIZE:	8"	i zit comite:			
SECTION T	YPE: waste			ceramics JT LG1	TH: 3ft		
AREA:			LINING: RSRVD:				

REMARK:

0.00

**OBSERVATION** PH RATE 1:25 **POSITION** CODE MPEG

inspection begins at downstream manhole





#### **INSPECTION REPORT**

		11101 2011			
DATE: 01/24/2006	WORK #:	WEATHER: cloudy	OPERATOR: Scott Fleming	SECTION NR: 6	SECTION NAME:
PRESENT:	VEHICLE: TV-1	CAMERA: Zoom	PRESET:	CLEANED: No	RATE: 220

STREET: CedarBrook	MAP#1:	*******	MH:	4
CITY: Cynthlana	MAP #2:		мн:	9A -
LOCALE: street area	TAPE #: Tape	<b>⊬1</b>	TV'D LGTH:	111.1 ft
INSPECT REASON: gen. condition control SECTION TYPE: waste AREA:			8" ceramics JT LGTI	1: 3ft

IMAKN:						
1:275	POSITION	CODE	OBSERVATION	MPEG	PH	RATE
(ingia	0.00	0	inspection begins at upstream manhole			0
· O	1.50	220	Infiltration Seeping at joint at 03 o'clock	00:00:57		2
	12.80	0	service connection, at 10 o'clock	00:01:43		0
	· · · · · · · · · · · · · · · · · · ·	-	, , , , , , , , , , , , , , , , , , , ,	22.2		· .
-						
(2) (2)						}
;   						
7		•				
4 12						
	93.40	0	service connection capped, at 09 o'clock	00:04:24		0
		ū	Service Services Services and Services			
	111.10	0	camera blocked, inspection abandoned	00:06:21		0



<u></u>					
DATE: 01/24/2006	WORK#:	WEATHER: cloudy	OPERATOR: Scott Fleming	SECTION NR:	SECTION NAME:
PRESENT:	VEHICLE: TV-1	CAMERA: Zoom	PRESET:	CLEANED: No	RATE: 0

STREET: Daisy Cour	t	MAP #1:	,		·MH:~	2
CITY: Cynthiana		MAP #2:			мн:	9B
LOCALE: street area		TAPE#: 1	ape-1	· · <b>::</b>	TV'D LGTH:	62.4 ft
	gen. condition control waste	- Marina	PIPE SIZE: MATERIAL: LINING:		8" ceramics JT LGTI	H: 3ft
AREA:		, . wm s -	RSRVD:	,		
REMARK:						

WARK:					
1:175	POSITION	CODE	OBSERVATION	MPEG	PH RATE
2	0.00	0	inspection begins at upstream manhole		0
20 C C C ALL					
	00.50			22.24.25	
	30.50	0	service connection, at 09 o'clock	00:01:35	0
7. 4.	•				
2 50 11	62.40	0	inspection abandoned	00:03:33	0
			•		



DATE: '	WORK #:	WEATHER:	OPERATOR: Scott Fleming	SECTION NR:	SECTION NAME:
PRESENT:	VEHICLE: TV-1	CAMERA: . Zoom	PRESET:	CLEANED: No	RATE: 950

STREET:	Carnation Court	MAP#1:		- MH: ···	1
CITY:	Cynthiana	MAP #2:		· м <b>н</b> :	8A #
LOCALE:	street area .	TAPE#:	Tape-1	TV'D LGTH:	175.6 ft
INSPECT RE	•		PIPE SIZE:  MATERIAL:  LINING:	8" ceramics_JT_LGT	H: 3ft
AREA:			RSRVD:		
DEMARK.					

1:450	POSITION	CODE	OBSERVATION	MPEG	PH	RATE
	0.00	0	inspection begins at upstream manhole			0
100	46.10	 O	service connection, at 03 o'clock	00:01:38		0
10 mm and 10 mm	<u>88.50</u>	0	service connection, at 09 o'clock	00:03:00		0
**************************************	114 30	230	roots medium	00:04:05		2
	124 10	230	roots medium	00.04:41		2
	129.30	130	roots light	00:05:30		1
	140 40	360	service connection with roots heavy, at 03 of closi-	90,08 24		3
(8A)	<u> 175.60</u>	0	inspection ends at downstream manhole	00:08:32		0



00:09:30

0

#### **INSPECTION REPORT**

DATE: . 01/24/2006	WDRK#:	WEATHER: cloudy	OPERATOR: Scott Fleming	SECTION NR:	SECTION NAME:
PRESENT:	VEHICLE:	CAMERA: Zoom	PRESET:	CLEANED: No	RATE: 0

		17-7	2.0011		NO			<del></del>
STREET: C	arnation Court	. 1.4	MAP #1:		MH:	8A	· <del></del> ··	·
CITY: C	ynthiana		MAP #2;		- MH:	. 8		
LOCALE: st	reet area ·		TAPE#: Taj	pe-1	TV'D LGTH:	256.1 ft	- 55	
INSPECT REASO SECTION TYPE: AREA:	ON: gen. co waste	ndition contro		PIPE SIZE: MATERIAL: LINING: RSRVD:	, 8"	GTH: 3ft		
REMARK:								
1:625	POSITION	CODE	OBSERVATION			MPEG	PH	RATE
8A	0.00	0	inspection begins at up	stream manhole		00:00:12		0
	112.20 124.20	0 0	service connection, at 0 service connection, at 0			00:03:42 00:04:36		0
	207.40	0	service connection, at 0	9 oʻclock		00:07:16		0

inspection ends at downstream manhole

256.10

0

MARTINS SO-007-15-ED TE PRO- MARTINS PIPELINE INSPECTION 113 WEST 2ND STREET PARIS, KY 40513 Tel: 859-987-2529, Fax: 859-987-2583

### **INSPECTION REPORT**

					·
DATE: 01/27/2006	WORK#:	WEATHER: cloudy	OPERATOR: Scott Fleming	SECTION NR:	SECTION NAME:
PRESENT:	VEHICLE: TV-1	CAMERA: Zoom	PRESET:	CLEANED: No	RATE: 1080

STREET:	Cedarbrook re-ty	MAP #1;		МН;	5
CITY:	Cynthiana	MAP #2:	•	MH:	10
LOCALE:	street area	TAPE#: Ta	ape-1	TV'D LGTH:	311.8 ft
INSPECT REA	ASON: gen. condition control			8"	e e este
SECTIONTYP	PE: waste		MATERIAL:	ceramics JT LGTH	d: 3ft
AREA:	· developing		RSRVD:	•	

	1:775	POSITION	CODE	OBSERVATION	MPEG	PH	RATE
	<b>(5)</b> -	0.00	0	inspection begins at downstream manhole			0
		19 40	360	service connection with roots heavy, at 09 o'clock	00.01:09		3
		72.20	0	service connection, at 09 o'clock	00;03:08		0
	红	84.30	0	service connection, at 03 o'clock	00:03:45		0
		96.70	230	roots medium	00:04:23		2
	·     · ,	104.70	130	roots light	00:04:48		1
		142.40	0	service connection, at 09 o'clock	00:06:10		0
		149.40	0	service connection, at 03 o'clock	00:06:40		0
		212.20	0	service connection, at 09 o*clock	00:08:59		0
С		234.50	0	service connection, at 03 o'clock	00:09:58		0
		287.20	360	service connection with roots heavy, at 05 ofdiod	60 12: <b>0</b> 0		Çı
(	10	311.80	0	inspection ends at upstream manhole	00:13:37		0



DATE: 01/27/2006	WORK #:	WEATHER: cloudy	OPERATOR: Scott Fleming	SECTION NR: 11	SECTION NAME:
PRESENT:	VEHICLE:	CAMERA: Zoom	PRESET:	CLEANED: No .	RATE: 0

STREET:	kingsbury re-tv	MAP #1:		· MH:	3 .
CITY: Cynthiana .		MAP #2;	MAP #2:		4
LOCALE:	street area .	TAPE#:	Tape-1	TV'D LGTH:	307.2 ft
INSPECT RE	ASON: gen. condition control		PIPE SIZE: :	8"	dor contro
SECTION TYPE: waste			MATERIAL:	ceramics JTLG	TH: 3ft
AREA:			RSRVD:		

AREA:		waste	•	LINING: RSRVD:	••	•
REMARI	K.	<del> </del>		RSRVD:		
**************************************						
·	1:750	POSITION	CODE	OBSERVATION	MPEG PH	RATE
					•	
(·	<u></u>	0.00	0	inspection begins at upstream manhole		0
<u> </u>		15.80	0	service connection, at 03 o'clock	00:00:59	0
	1	196.00	0	service connection, at 03 o'clock	00:07:55	0
	*	221.80	0	sag begins	00:08:54	1
(1)	4	307.20	0	inspection ends at downstream manhole	00:14:08	0



DATE: · 01/27/2006	WORK#:	WEATHER: cloudy	OPERATOR: Scott Fleming	SECTION NR: 12	SECTION NAME:
PRESENT:	VEHICLE: TV-1	CAMERA: Zoom	PRESET:	CLEANED: No	RATE: 1630

STREET: Dalsy Court re-tv	MAP#1:		MH:	2
CITY: Cynthlana	MAP #2:	. :	MH:	9B
LOCALE: street area .	TAPE#: Tap	e-1 _ · _	TV'D LGTH:	277 ft
INSPECT REASON: gen. condition control		PIPE SIZE:	8" 25 ct	n. j.uu
SECTION TYPE: waste		ceramics JT LGT	H: 3ft	
AREA:		LINING: RSRVD:		

	1:700	POSITION	CODE	OBSERVATION	MPEG	PH	RATE
	(2-)	0.00	. 0	inspection begins at upstream manhole			0
		29.30	0	service connection, at 09 o'clock	00:01:29		0
	,	49.50	130	roots light	00:02:19		1
		59.70	130	roots light	00:03:00		1
	H (	50 80	360	service connection with roots heavy, at 03 o'clock	00:03:17		:
RII		71.70	130	roots light	00:03:49		1
		147 70	350	service connection with roots neavy, at 03 c clock	00:05:04		
		150.20	0	service connection, at 02 o'clock	00:06:31		0
	K	153 10	0	Hole in pipe at 12 o'clock.	00.06/53		.5 4
		174.90 222.30	<b>160</b> ওগ	service connection with roots light, at 09 ofclock service connection with roots heavy, at 03 closely	<b>00:07:54</b> 00:09:41		
	98	277.00	0	inspection ends at downstream manhole	00:12:13		0



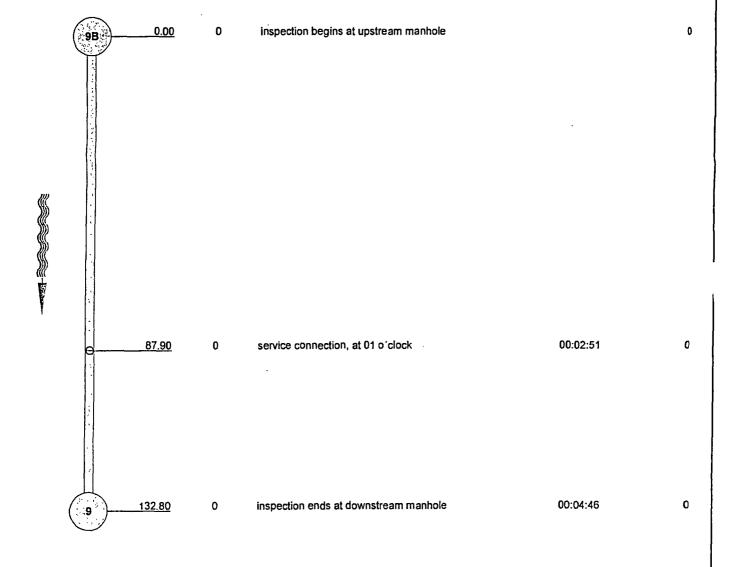
### **INSPECTION REPORT**

DATE: 01/27/2006	WORK#:	WEATHER: cloudy	OPERATOR: Scott Fleming	SECTION NR:	SECTION NAME:
PRESENT:	VEHICLE:	CAMERA: .Zoom	PRESET:	CLEANED: No	RATE: 0

STREET:	Dalsy Court re-tv	MAP_#1:		MH:	9B
CITY:	CITY: Cynthlana		MAP #2:		9
LOCALE:	street area .	TAPE#: T	ape-1	TVD LGTH:	132.8 ft - = =
INSPECT REA	ASON: gen. condition control		PIPE SIZE:	-	- 1 1 1 11 11 1
SECTION TYP	PE: waste		MATERIAL: LINING:	ceramics JT LGTH	H: 3ft
AREA:			RSRVD:		
DEMARK.					

REMARK:

**POSITION MPEG** PH RATE 1:325 CODE **OBSERVATION** 





DATE: 02/06/2006	WORK#:	WEATHER: cloudy	OPERATOR: Scott Fleming	SECTION NR: 14	SECTION NAME:				
PRESENT:	VEHICLE:	CAMERA: Zoom	PRESET:	CLEANED: No	. RATE:				

CITY: Cynthiana MAP #2: MH: 9A  LOCALE: street area TAPE #: Tape-1 TVD LGTH: 120.2 ft  INSPECT REASON: gen. condition control PIPE SIZE: 8" MATERIAL: ceramics JT LGTH: 3ft	
INSPECT REASON: gen. condition control PIPE SIZE: 8"	
MATERIAL coronics IT I GTH 3ft	
I SECTION TYPE: Waste	
AREA: LINING: RSRVD:	

SECTION TAREA:	TYPE: waste	_	MATERIAL: ceramics J LINING: RSRVD:	T LGTH: 3ft		
REMARK:			·		,	
1::	800 POSITION	CODE	OBSERVATION	MPEG	PH	RATE
				1	٠	
	0.00	0	inspection begins at upstream manhole			0
	13.00		service connection, at 09 o'clock .	00:00:56		
	93.30	0	service connection capped, at 09 o'clock	00:04:11		0
	94 40	ō.	Malapis Fragues from 11 in 6 r c cook	Ø, u< ±9		3
9.4	120.20	0	inspection abandoned pipe collapsed outside of manhole.	00:09:32		0