

**PROJ INFO**PROJ NAME:
EMAPROJECT NUM:
300939-171RESPONSIBLE:
PETE BENOISTDATE:
05/08/2007

CLIENT **EMA**
RESPONSIBLE: **PETE BENOIST**
DEPARTMENT:
PO BOX:
STREET:
CITY, ST ZIP: **ST. LOUIS, MO.**
TELEPHONE: **314-784-6425**
FAX:
MOBILE: **314-518-9179**
E-MAIL:

PROJ MGR **MACTEC**
RESPONSIBLE: **CHRIS TEDDER**
DEPARTMENT: **PROJECT MANAGER**
PO BOX:
STREET: **3199 RIVERPORT TECH CENTER DR.**
CITY, ST ZIP: **ST. LOUIS MO. 63043**
TELEPHONE: **314-209-5979**
FAX: **314-209-5929**
MOBILE: **636-248-0377**
E-MAIL: **cltedder@mactec.com**

CONTRACTOR **ODESCO INDUSTRIAL SERVICES, INC.**
RESPONSIBLE: **JAMES RHODES**
DEPARTMENT: **TV INSPECTION**
PO BOX: **862**
STREET: **100 WASHINGTON ST.**
CITY, ST ZIP: **SOUTH ROXANA, IL 62087**
TELEPHONE: **618-254-4874**
FAX: **618-254-9638**
MOBILE: **618-781-4259**
E-MAIL: **jrhodes@odescoindustrial.com**



The Environmental
Protection Specialists

ODESCO INDUSTRIAL SERVICES, INC.

100 WASHINGTON ST.

SOUTH ROXANA, IL 62087

Tel: 618-254-4874, Fax: 618-254-9638

INSPECTION REPORT

DATE: 05/08/2007	WORK #: 300939-171	WEATHER: sunny, dry	OPERATOR: BEN DOUGLAS	SECTION NR: 1	SECTION NAME:
PRESENT: CHRIS TEDDER FROM MACTEC	VEHICLE: TV128	CAMERA: PAN/TILT/ZOOM	PRESET: 5	CLEANED:	RATE: 0

STREET: GRAND AVE.	MAP #1:	MH: NN9-02
CITY: ST LOUIS, MO.	MAP #2:	MH: NN5-01
LOCALE: private property	TAPE #: EMA-1	TV'D LGTH: 83.1 ft

INSPECT REASON: gen. condition	PIPE SIZE: 10"
SECTION TYPE: combined wastewater ?	MATERIAL: cast iron JT LGTH:
AREA:	LINING:
	RSRVD:

REMARK: CARTER CARBURETOR SITE

1:225	POSITION	CODE	OBSERVATION	VCR #	PH	RATE
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	0.00	0	inspection begins at downstream manhole	00:00:00	1a	0
	23.30	0	service connection, at 12 o'clock	00:02:54	2a	0
	34.50	0	pipe bends left	00:03:33	3a	0
	40.10	0	pipe bends left	00:03:47	4a	0
	44.20	0	service connection, at 12 o'clock	00:04:09	5a	0
	83.10	0	inspection ends at upstream manhole	00:06:13	6a	0



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INSPECTION IMAGES

CITY: ST LOUIS, MO.	STREET: GRAND AVE.	DATE: 05/08/2007	SECTION NR: 1	SECTION NAME:
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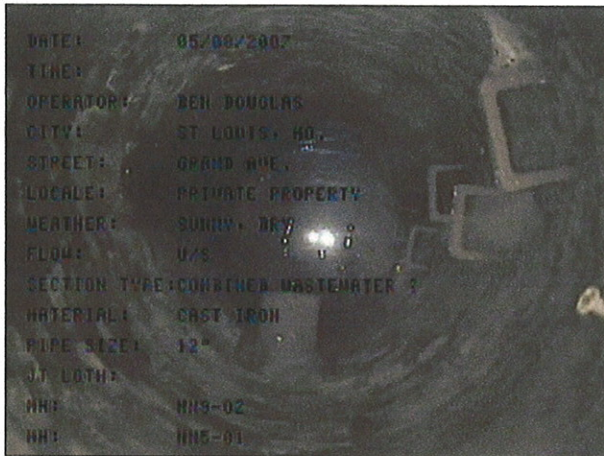


IMAGE: 1a, TAPE #: EMA-1, 00:00:00
OFT, inspection begins at downstream manhole

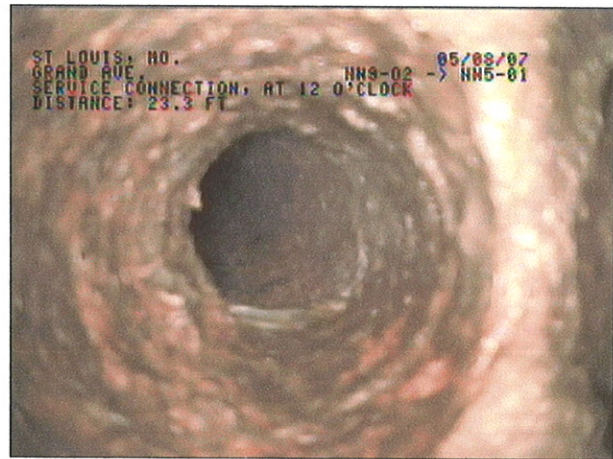


IMAGE: 2a, TAPE #: EMA-1, 00:02:54
23.3FT, service connection, at 12 o'clock

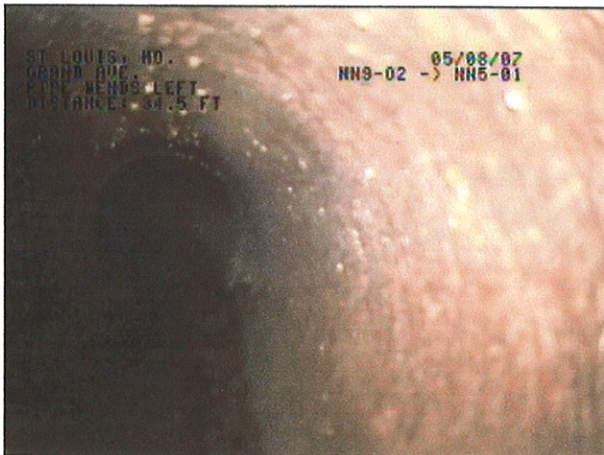


IMAGE: 3a, TAPE #: EMA-1, 00:03:33
34.5FT, pipe bends left

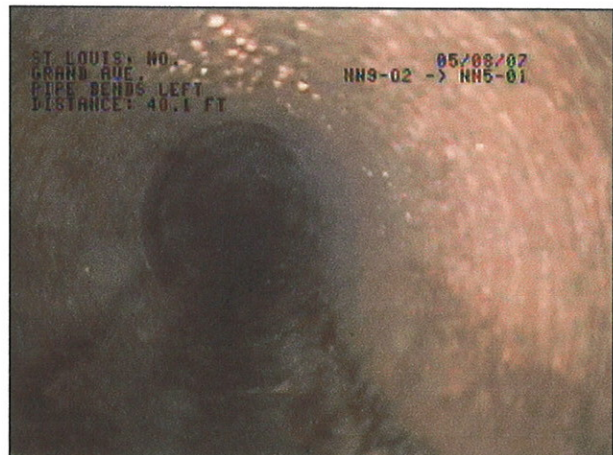


IMAGE: 4a, TAPE #: EMA-1, 00:03:47
40.1FT, pipe bends left



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INSPECTION IMAGES

CITY:
ST LOUIS, MO.

STREET:
GRAND AVE.

DATE:
05/08/2007

SECTION NR:
1

SECTION NAME:

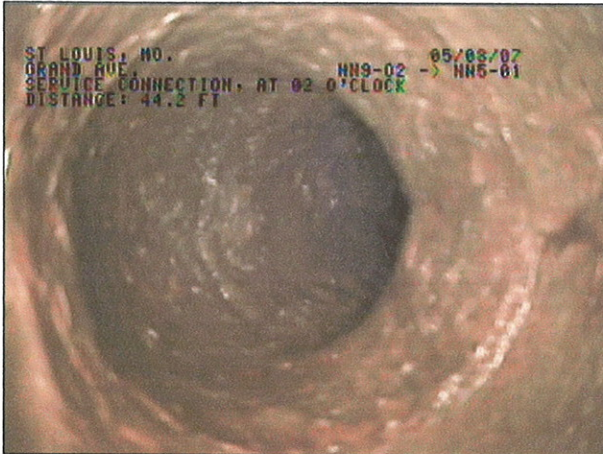


IMAGE: 5a, TAPE #: EMA-1, 00:04:09
44.2FT, service connection, at 12 o'clock

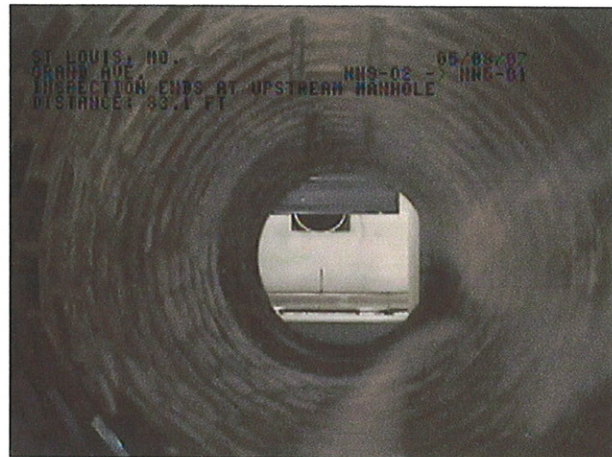


IMAGE: 6a, TAPE #: EMA-1, 00:06:13
83.1FT, inspection ends at upstream manhole



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INSPECTION REPORT

DATE: 05/09/2007	WORK #: 300939-171	WEATHER: sunny, dry	OPERATOR: BEN DOUGLAS	SECTION NR: 2	SECTION NAME:
PRESENT: CHRIS TEDDER FROM	VEHICLE: TV128	CAMERA: PAN/TILT/ZOOM	PRESET: 5	CLEANED:	RATE: 0

MACTEC

STREET: GRAND AVE.	MAP #1:	MH: NN5-01
CITY: ST LOUIS, MO.	MAP #2:	MH: CAP
LOCALE: private property	TAPE #: EMA-1	TV'D LGTH: 60.9 ft

INSPECT REASON: gen. condition	PIPE SIZE: 8"
SECTION TYPE: combined wastewater ?	MATERIAL: cast iron JT LGTH:
AREA:	LINING:
	RSRVD:

REMARK: CARTER CARBURETOR SITE

1:150	POSITION	CODE	OBSERVATION	VCR #	PH	RATE
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	0.00	0	inspection begins at downstream manhole	00:06:11	7a	0
	24.20	0	service connection, at 11 o'clock	00:08:53	8a	0
	44.00	0	service connection capped, at 01 o'clock	00:10:00	9a	0
	56.20	0	service connection, at 12 o'clock	00:10:46	10a	0
	57.40	0	service connection, at 11 o'clock	00:11:08	11a	0
	60.90	0	inspection ends at capped pipe	00:11:43	12a	0



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INSPECTION IMAGES

CITY: ST LOUIS, MO.	STREET: GRAND AVE.	DATE: 05/09/2007	SECTION NR: 2	SECTION NAME:
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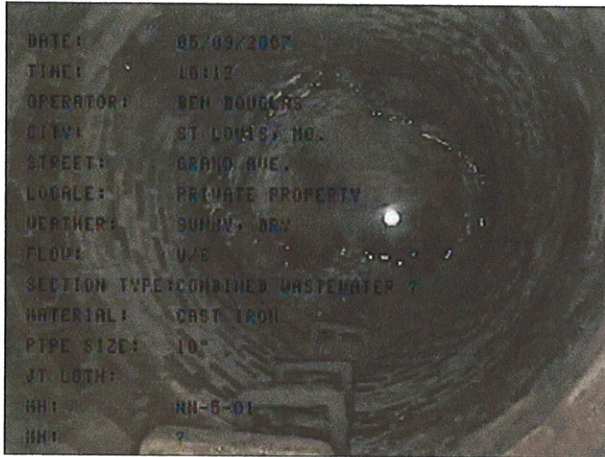


IMAGE: 7a, TAPE #: EMA-1, 00:06:11
0FT, inspection begins at downstream manhole

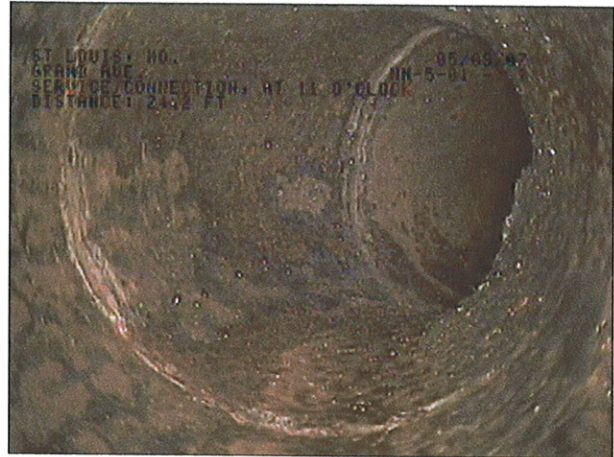


IMAGE: 8a, TAPE #: EMA-1, 00:08:53
24.2FT, service connection, at 11 o'clock



IMAGE: 9a, TAPE #: EMA-1, 00:10:00
44FT, service connection capped, at 01 o'clock

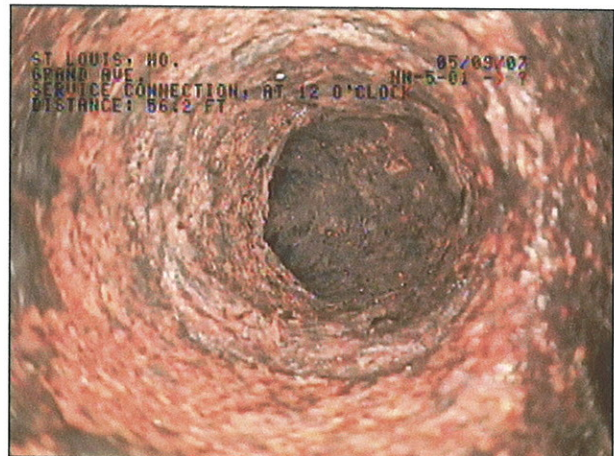


IMAGE: 10a, TAPE #: EMA-1, 00:10:46
56.2FT, service connection, at 12 o'clock



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INSPECTION IMAGES

CITY: ST LOUIS, MO.	STREET: GRAND AVE.	DATE: 05/09/2007	SECTION NR: 2	SECTION NAME:
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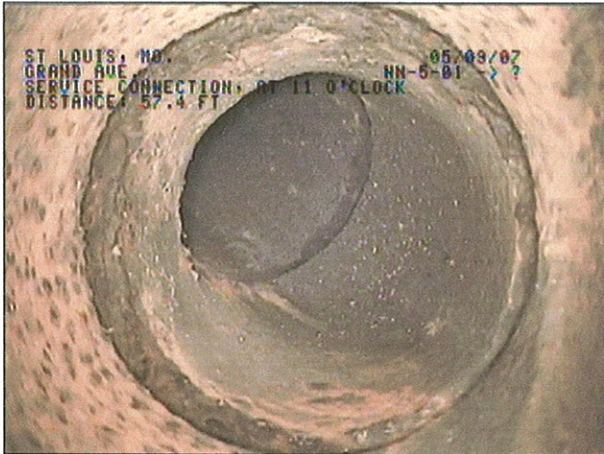


IMAGE: 11a, TAPE #: EMA-1, 00:11:08
57.4FT, service connection, at 11 o'clock



IMAGE: 12a, TAPE #: EMA-1, 00:11:43
60.9FT, inspection ends at capped pipe



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INSPECTION REPORT

DATE: 05/10/2007	WORK #: 300939-171	WEATHER: sunny, dry	OPERATOR: BEN DOUGLAS	SECTION NR: 3	SECTION NAME:
PRESENT: CHRIS TEDDER FROM MACTEC	VEHICLE: TV128	CAMERA: PAN/TILT/ZOOM	PRESET: 5	CLEANED:	RATE: 160

STREET: GRAND AVE.	MAP #1:	MH: NN5-01
CITY: ST LOUIS, MO.	MAP #2:	MH: HH5-01
LOCALE: private property	TAPE #: EMA-1	TV'D LGTH: 87.5 ft

INSPECT REASON: gen. condition	PIPE SIZE: 8"
SECTION TYPE: combined wastewater ?	MATERIAL: cast iron JT LGTH:
AREA:	LINING:
	RSRVD:

REMARK: CARTER CARBURETOR SITE

1:225	POSITION	CODE	OBSERVATION	VCR #	PH	RATE
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	0.00	0	inspection begins at downstream manhole	00:11:48	13a	0
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	62.50	160	service connection defective, at 09 o'clock	00:15:17	14a	1
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	87.50	0	inspection ends at upstream manhole	00:16:57	15a	0
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INSPECTION IMAGES

CITY: ST LOUIS, MO.	STREET: GRAND AVE.	DATE: 05/10/2007	SECTION NR: 3	SECTION NAME:
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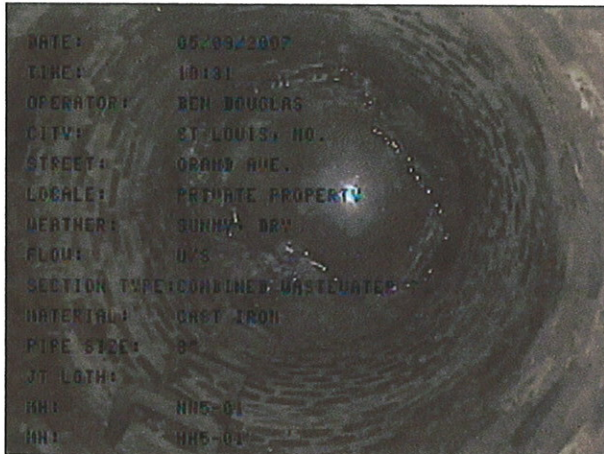


IMAGE: 13a, TAPE #: EMA-1, 00:11:48
0FT, inspection begins at downstream manhole

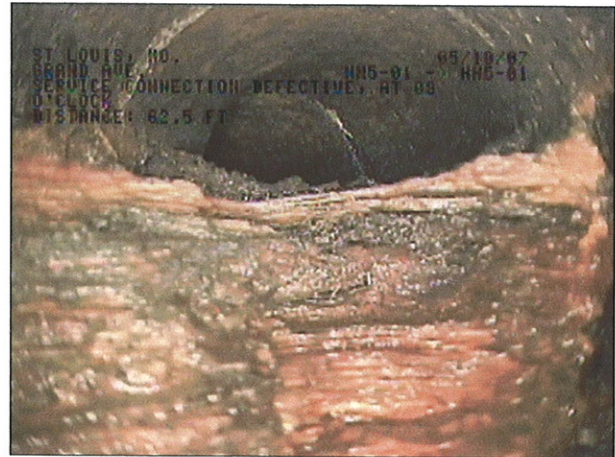


IMAGE: 14a, TAPE #: EMA-1, 00:15:17
62.5FT, service connection defective, at 09 o'clock



IMAGE: 15a, TAPE #: EMA-1, 00:16:57
87.5FT, inspection ends at upstream manhole



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INSPECTION REPORT

DATE: 05/10/2007	WORK #: 300939-171	WEATHER: sunny, dry	OPERATOR: BEN DOUGLAS	SECTION NR: 4	SECTION NAME:
PRESENT: CHRIS TEDDER FROM	VEHICLE: TV128	CAMERA: PAN/TILT/ZOOM	PRESET: 5	CLEANED:	RATE: 0

MACTEC

STREET: GRAND AVE.	MAP #1:	MH: NN5-01
CITY: ST LOUIS, MO.	MAP #2:	MH: truck dock
LOCALE: private property	TAPE #: EMA-1	TV'D LGTH: 46.9 ft

INSPECT REASON: gen. condition	PIPE SIZE: 6"
SECTION TYPE: combined wastewater ?	MATERIAL: cast iron JT LGTH:
AREA:	LINING:
	RSRVD:

REMARK: CARTER CARBURETOR SITE

1:125	POSITION	CODE	OBSERVATION	VCR #	PH	RATE
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	0.00	0	inspection begins at downstream manhole	00:17:04	16a	0
	42.00	0	service connection, at 02 o'clock	00:20:44	17a	0
	46.90	0	pipe bends down	00:24:16	18a	0
	46.90	0	inspection abandoned	00:24:24	19a	0



INSPECTION IMAGES

CITY: ST LOUIS, MO.	STREET: GRAND AVE.	DATE: 05/10/2007	SECTION NR: 4	SECTION NAME:
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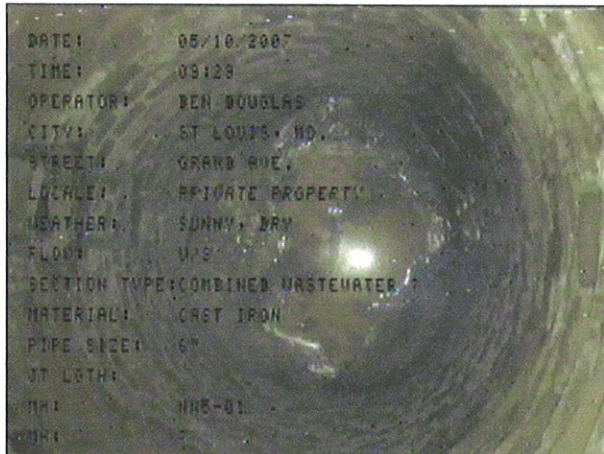


IMAGE: 16a, TAPE #: EMA-1, 00:17:04
0FT, inspection begins at downstream manhole

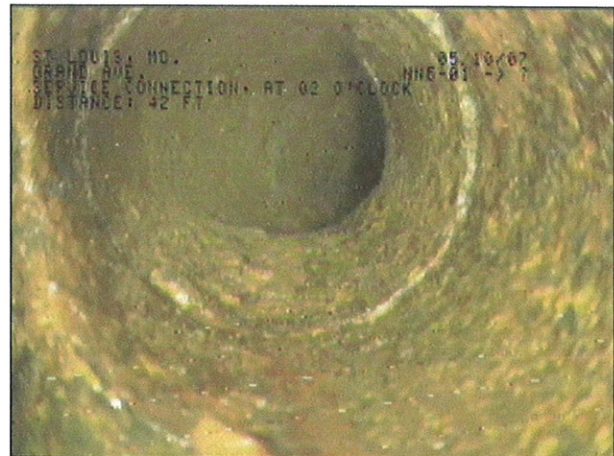


IMAGE: 17a, TAPE #: EMA-1, 00:20:44
42FT, service connection, at 02 o'clock

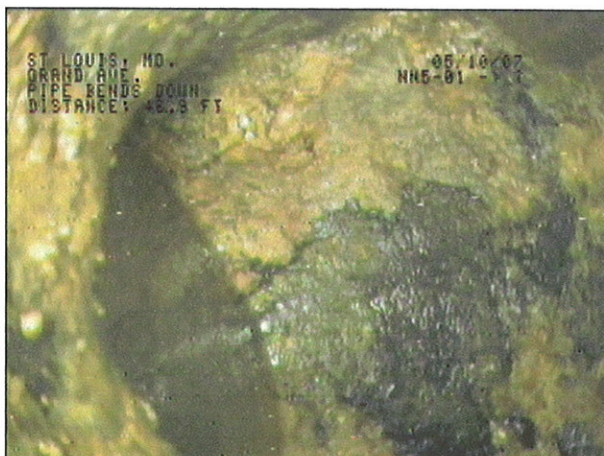


IMAGE: 18a, TAPE #: EMA-1, 00:24:16
46.9FT, pipe bends down

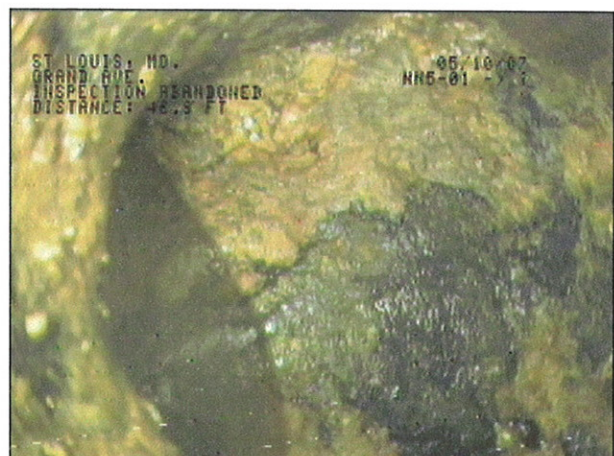


IMAGE: 19a, TAPE #: EMA-1, 00:24:24
46.9FT, inspection abandoned



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INSPECTION REPORT

DATE: 05/10/2007	WORK #: 300939-171	WEATHER: sunny, dry	OPERATOR: BEN DOUGLAS	SECTION NR: 5	SECTION NAME:
PRESENT: CHRIS TEDDER FROM	VEHICLE: TV128	CAMERA: PAN/TILT/ZOOM	PRESET: 5	CLEANED:	RATE: 0

MACTEC

STREET: GRAND AVE.	MAP #1:	MH: HH5-01
CITY: ST LOUIS, MO.	MAP #2:	MH: ?
LOCALE: private property	TAPE #: EMA-1	TV'D LGTH: 0 ft

INSPECT REASON: gen. condition	PIPE SIZE: 6"
SECTION TYPE: combined wastewater ?	MATERIAL: cast iron JT LGTH:
AREA:	LINING:
	RSRVD:

REMARK: CARTER CARBURETOR SITE

1:25	POSITION	CODE	OBSERVATION	VCR #	PH	RATE
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	0.00	0	inspection begins at downstream manhole	00:24:24	20a, b	0
	0.00	0	inspection abandoned	00:25:37		0



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INSPECTION IMAGES

CITY:
ST LOUIS, MO.

STREET:
GRAND AVE.

DATE:
05/10/2007

SECTION NR:
5

SECTION NAME:

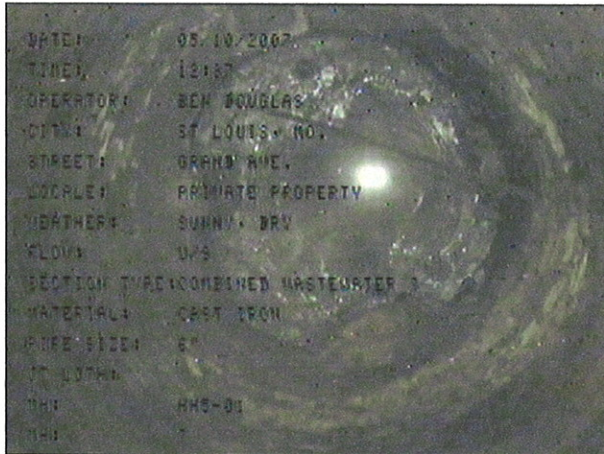


IMAGE: 20a, TAPE #: EMA-1, 00:24:24
OFT, inspection begins at downstream manhole

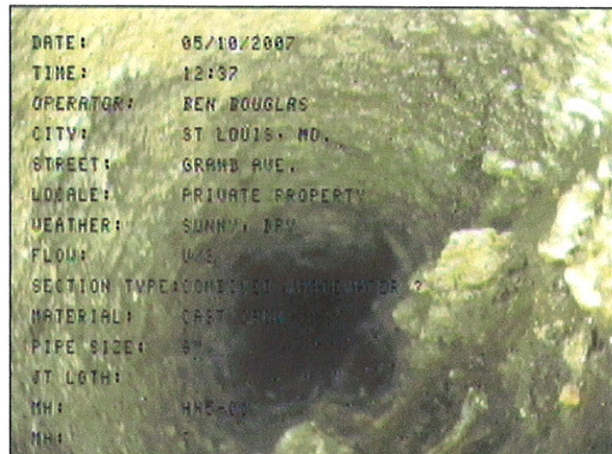


IMAGE: 20b, TAPE #: EMA-1, 00:24:24
OFT, inspection begins at downstream manhole



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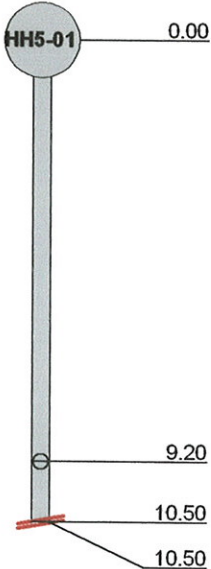
INSPECTION REPORT

DATE: 05/10/2007	WORK #: 300939-171	WEATHER: sunny, dry	OPERATOR: BEN DOUGLAS	SECTION NR: 6	SECTION NAME:
PRESENT: CHRIS TEDDER FROM MACTEC	VEHICLE: TV128	CAMERA: PAN/TILT/ZOOM	PRESET: 5	CLEANED:	RATE: 0

STREET: GRAND AVE.	MAP #1:	MH: HH5-01
CITY: ST LOUIS, MO.	MAP #2:	MH: ?
LOCALE: private property	TAPE #: EMA-1	TV'D LGTH: 10.5 ft

INSPECT REASON: gen. condition	PIPE SIZE: 8"
SECTION TYPE: combined wastewater ?	MATERIAL: cast iron JT LGTH:
AREA:	LINING:
	RSRVD:

REMARK: CARTER CARBURETOR SITE

1:50	POSITION	CODE	OBSERVATION	VCR #	PH	RATE
		0	inspection begins at downstream manhole	00:25:37	21a	0
		0	service connection, at 12 o'clock	00:28:56	23a	0
		0	pipe bends left	00:29:06	24a	0
		0	camera blocked, inspection abandoned	00:29:11	25a	0



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INSPECTION IMAGES

CITY:
ST LOUIS, MO.

STREET:
GRAND AVE.

DATE:
05/10/2007

SECTION NR:
6

SECTION NAME:

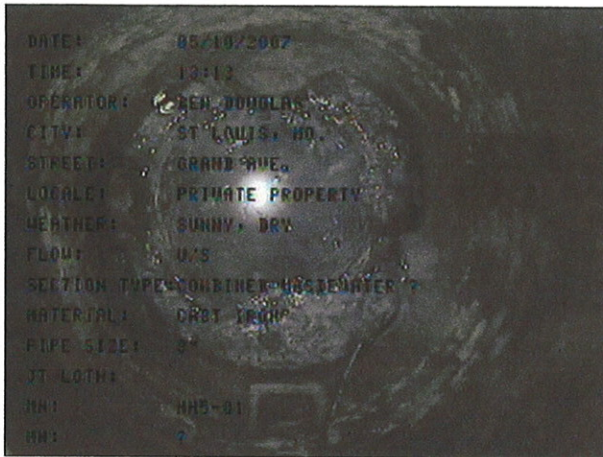


IMAGE: 21a, TAPE #: EMA-1, 00:25:37
OFT, inspection begins at downstream manhole

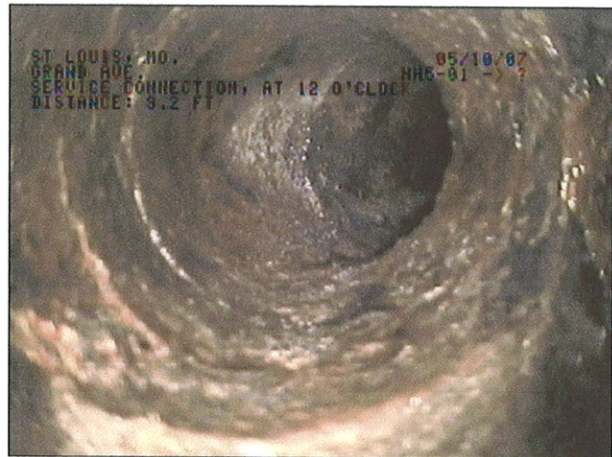


IMAGE: 23a, TAPE #: EMA-1, 00:28:56
9.2FT, service connection, at 12 o'clock

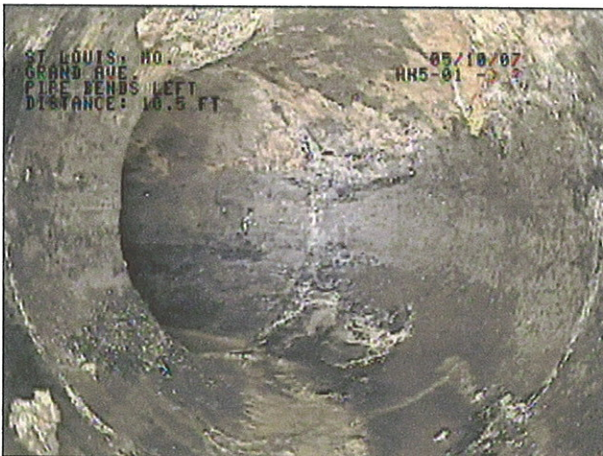


IMAGE: 24a, TAPE #: EMA-1, 00:29:06
10.5FT, pipe bends left



IMAGE: 25a, TAPE #: EMA-1, 00:29:11
10.5FT, camera blocked, inspection abandoned



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INSPECTION REPORT

DATE: 05/10/2007	WORK #: 300939-171	WEATHER: sunny, dry	OPERATOR: BEN DOUGLAS	SECTION NR: 7	SECTION NAME:
PRESENT: CHRIS TEDDER FROM	VEHICLE: TV128	CAMERA: PAN/TILT/ZOOM	PRESET: 5	CLEANED:	RATE: 0

MACTEC

STREET: GRAND AVE.	MAP #1:	MH: HH5-01
CITY: ST LOUIS, MO.	MAP #2:	MH: ?
LOCALE: private property	TAPE #: EMA-1	TV'D LGTH: 13.8 ft

INSPECT REASON: gen. condition	PIPE SIZE: 8"
SECTION TYPE: combined wastewater ?	MATERIAL: cast iron JT LGTH:
AREA:	LINING:
	RSRVD:

REMARK: CARTER CARBURETOR SITE

1:50	POSITION	CODE	OBSERVATION	VCR #	PH	RATE
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HH5-01	0.00	0	inspection begins at downstream manhole	00:29:36	26a	0
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HH5-01

0.00

0

inspection begins at downstream manhole

00:29:36

26a

0

13.60

0

pipe bends UP

00:33:28

27a

0

13.80

0

inspection abandoned

00:34:07

28a

0



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INSPECTION IMAGES

CITY:
ST LOUIS, MO.

STREET:
GRAND AVE.

DATE:
05/10/2007

SECTION NR:
7

SECTION NAME:

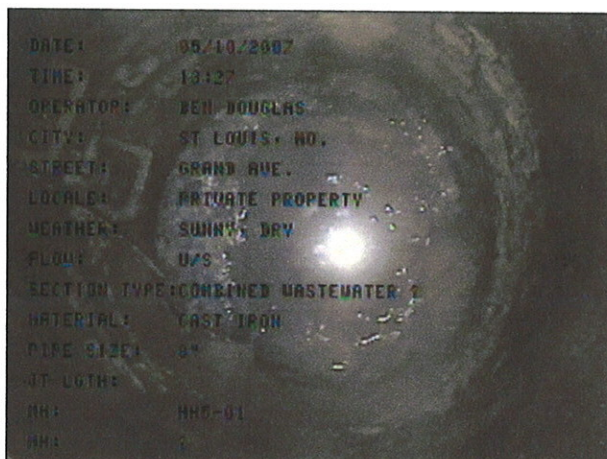


IMAGE: 26a, TAPE #: EMA-1, 00:29:36
OFT, inspection begins at downstream manhole

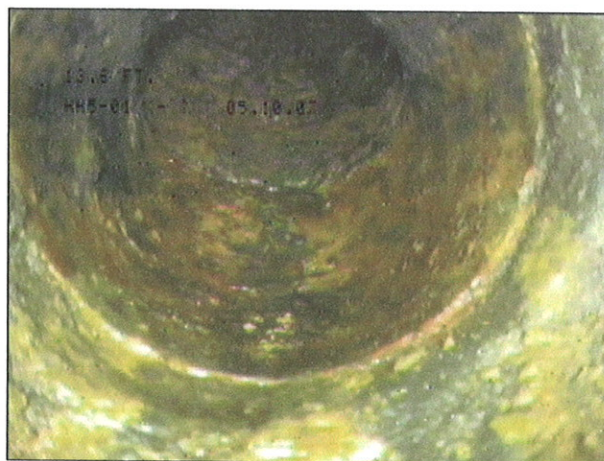


IMAGE: 27a, TAPE #: EMA-1, 00:33:28
13.6FT, pipe bends UP



IMAGE: 28a, TAPE #: EMA-1, 00:34:07
13.8FT, inspection abandoned



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INSPECTION REPORT

DATE: 05/15/2007	WORK #: 300939-171	WEATHER: sunny, dry	OPERATOR: BEN DOUGLAS	SECTION NR: 8	SECTION NAME:
PRESENT: CHRIS TEDDER FROM	VEHICLE: TV128	CAMERA: PAN/TILT/ZOOM	PRESET: 5	CLEANED:	RATE: 350

MACTEC

STREET: GRAND AVE.	MAP #1:	MH: DD9-01
CITY: ST LOUIS, MO.	MAP #2:	MH: A8-01
LOCALE: private property	TAPE #: EMA-1	TV'D LGTH: 2.5 ft

INSPECT REASON: gen. condition	PIPE SIZE: 8"
SECTION TYPE: combined wastewater ?	MATERIAL: cast iron JT LGTH:
AREA:	LINING:
	RSRVD:

REMARK: CARTER CARBURETOR SITE

1:25	POSITION	CODE	OBSERVATION	VCR #	PH	RATE
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	0.00	0	inspection begins at downstream manhole	00:34:15	29a	0
	2.50	350	offset joint, severe	00:36:12	30a, b	3
	2.50	0	inspection abandoned	00:36:31	31a	0



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INSPECTION IMAGES

CITY: ST LOUIS, MO.	STREET: GRAND AVE.	DATE: 05/15/2007	SECTION NR: 8	SECTION NAME:
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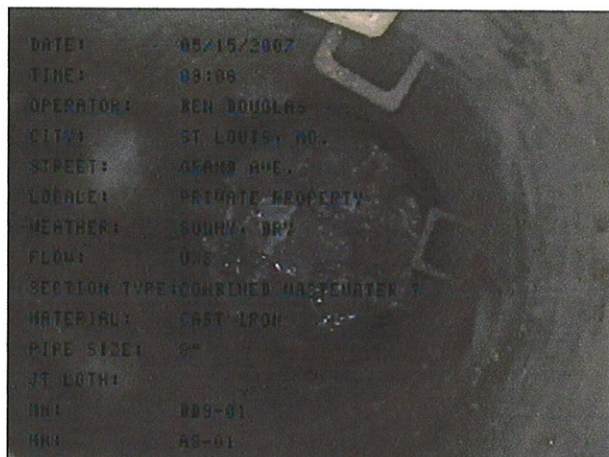


IMAGE: 29a, TAPE #: EMA-1, 00:34:15
0FT, inspection begins at downstream manhole



IMAGE: 30a, TAPE #: EMA-1, 00:36:12
2.5FT, offset joint, severe



IMAGE: 30b, TAPE #: EMA-1, 00:36:12
2.5FT, offset joint, severe



IMAGE: 31a, TAPE #: EMA-1, 00:36:31
2.5FT, inspection abandoned



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INSPECTION REPORT

DATE: 05/15/2007	WORK #: 300939-171	WEATHER: sunny, dry	OPERATOR: BEN DOUGLAS	SECTION NR: 9	SECTION NAME:
PRESENT: CHRIS TEDDER FROM	VEHICLE: TV128	CAMERA: PAN/TILT/ZOOM	PRESET: 5	CLEANED:	RATE: 0

MACTEC

STREET: GRAND AVE.	MAP #1:	MH: A8-01
CITY: ST LOUIS, MO.	MAP #2:	MH: ?
LOCALE: private property	TAPE #: EMA-1	TV'D LGTH: 83.3 ft

INSPECT REASON: gen. condition	PIPE SIZE: 10"
SECTION TYPE: combined wastewater ?	MATERIAL: cast iron JT LGTH:
AREA:	LINING:
	RSRVD:

REMARK: CARTER CARBURETOR SITE

1:225	POSITION	CODE	OBSERVATION	VCR #	PH	RATE
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	6.30	0	inspection begins at downstream manhole	00:36:56	32a	0
	12.20	0	service connection, at 03 o'clock	00:40:04	33a	0
	29.20	0	service connection, at 10 o'clock	00:40:45	34a	0
	61.40	0	service connection, at 02 o'clock	00:41:36	35a	0
	83.30	0	pipe bends right	00:42:40	36a	0
	83.30	0	inspection abandoned	00:42:56	37a	0



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INSPECTION IMAGES

CITY: ST LOUIS, MO.	STREET: GRAND AVE.	DATE: 05/15/2007	SECTION NR: 9	SECTION NAME:
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IMAGE: 32a, TAPE #: EMA-1, 00:36:56
6.3FT, inspection begins at downstream manhole



IMAGE: 33a, TAPE #: EMA-1, 00:40:04
12.2FT, service connection, at 03 o'clock

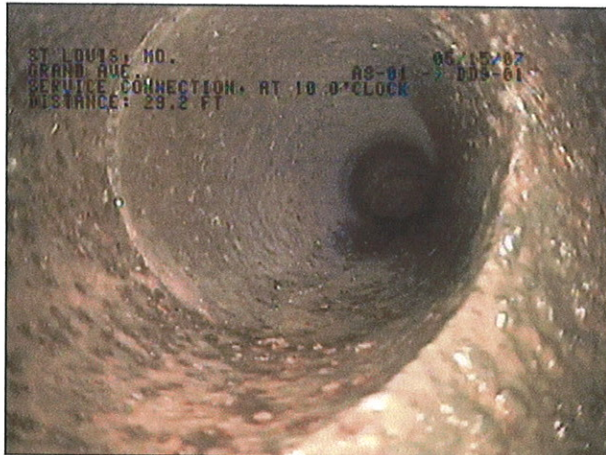


IMAGE: 34a, TAPE #: EMA-1, 00:40:45
29.2FT, service connection, at 10 o'clock



IMAGE: 35a, TAPE #: EMA-1, 00:41:36
61.4FT, service connection, at 02 o'clock



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INSPECTION IMAGES

CITY: ST LOUIS, MO.	STREET: GRAND AVE.	DATE: 05/15/2007	SECTION NR: 9	SECTION NAME:
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IMAGE: 36a, TAPE #: EMA-1, 00:42:40
83.3FT, pipe bends right

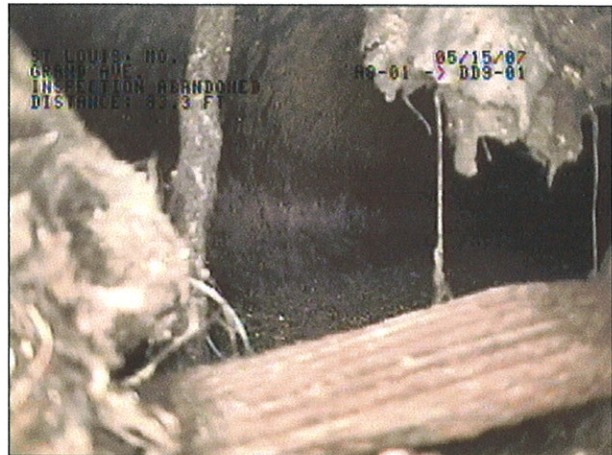


IMAGE: 37a, TAPE #: EMA-1, 00:42:56
83.3FT, inspection abandoned



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INSPECTION REPORT

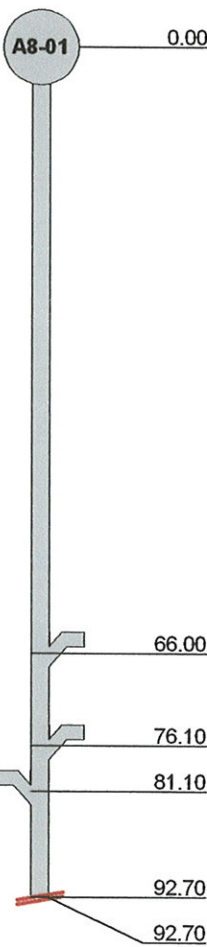
DATE: 05/15/2007	WORK #: 300939-171	WEATHER: sunny, dry	OPERATOR: BEN DOUGLAS	SECTION NR: 10	SECTION NAME:
PRESENT: CHRIS TEDDER FROM MACTEC	VEHICLE: TV128	CAMERA: PAN/TILT/ZOOM	PRESET: 5	CLEANED:	RATE: 0

STREET: GRAND AVE.	MAP #1:	MH: A8-01
CITY: ST LOUIS, MO.	MAP #2:	MH: ?
LOCALE: private property	TAPE #: EMA-1	TV'D LGTH: 92.7 ft

INSPECT REASON: gen. condition	PIPE SIZE: 10"
SECTION TYPE: combined wastewater ?	MATERIAL: cast iron JT LGTH:
AREA:	LINING:
	RSRVD:

REMARK: CARTER CARBURETOR SITE

1:250	POSITION	CODE	OBSERVATION	VCR #	PH	RATE
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	0.00	0	inspection begins at upstream manhole	00:43:01	38a	0
	66.00	0	service connection, at 09 o'clock	00:47:54	39a	0
	76.10	0	service connection, at 10 o'clock	00:49:02	40a	0
	81.10	0	service connection, at 03 o'clock	00:49:42	41a	0
	92.70	0	pipe bends left	00:50:55	42a	0
	92.70	0	inspection abandoned	00:51:07	43a	0



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INSPECTION IMAGES

CITY: ST LOUIS, MO.	STREET: GRAND AVE.	DATE: 05/15/2007	SECTION NR: 10	SECTION NAME:
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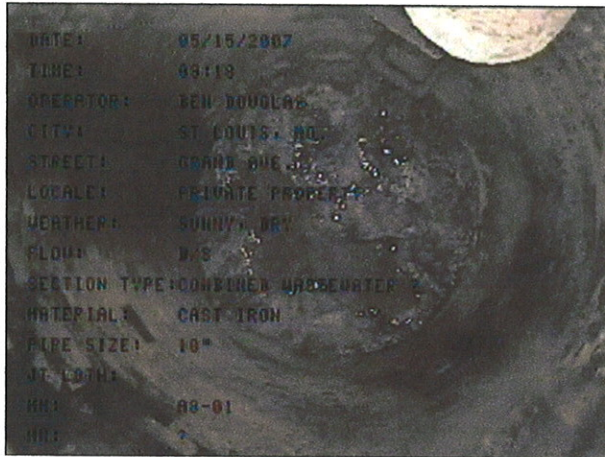


IMAGE: 38a, TAPE #: EMA-1, 00:43:01
OFT, inspection begins at upstream manhole



IMAGE: 39a, TAPE #: EMA-1, 00:47:54
66FT, service connection, at 09 o'clock

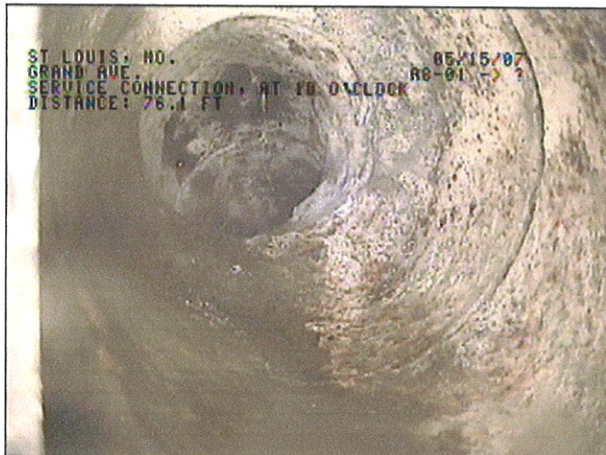


IMAGE: 40a, TAPE #: EMA-1, 00:49:02
76.1FT, service connection, at 10 o'clock

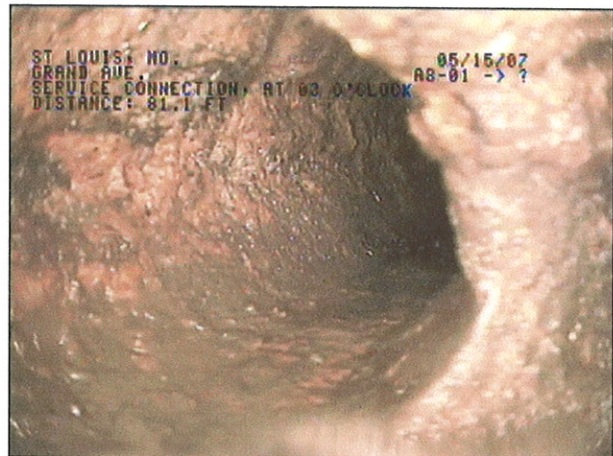


IMAGE: 41a, TAPE #: EMA-1, 00:49:42
81.1FT, service connection, at 03 o'clock



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INSPECTION IMAGES

CITY:
ST LOUIS, MO.

STREET:
GRAND AVE.

DATE:
05/15/2007

SECTION NR:
10

SECTION NAME:

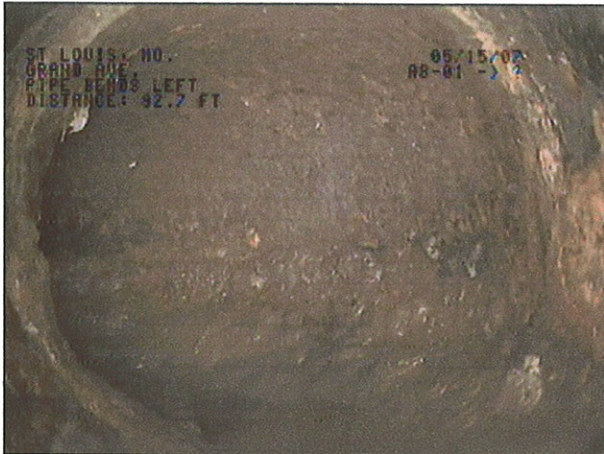


IMAGE: 42a, TAPE #: EMA-1, 00:50:55
92.7FT, pipe bends left

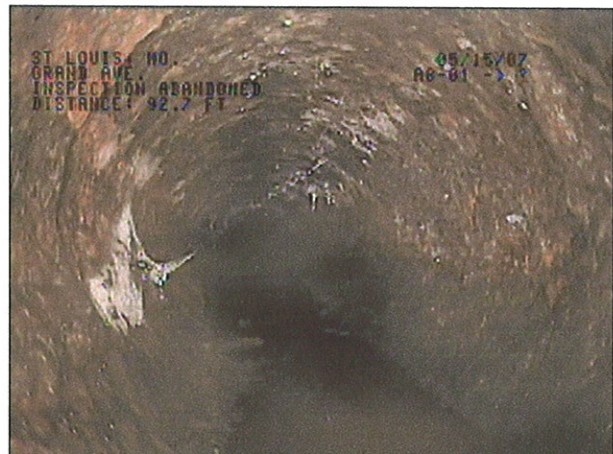


IMAGE: 43a, TAPE #: EMA-1, 00:51:07
92.7FT, inspection abandoned



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INSPECTION REPORT

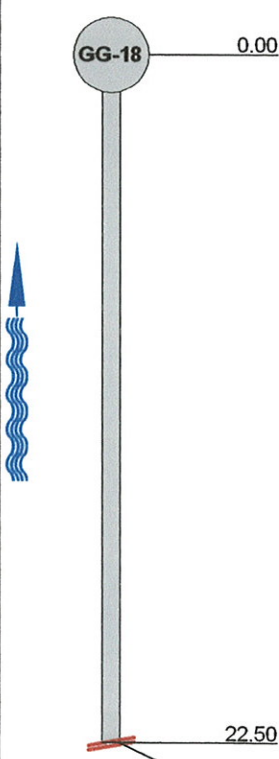
DATE: 05/15/2007	WORK #: 300939-171	WEATHER: sunny, dry	OPERATOR: BEN DOUGLAS	SECTION NR: 11	SECTION NAME:
PRESENT: CHRIS TEDDER FROM	VEHICLE: TV128	CAMERA: PAN/TILT/ZOOM	PRESET: 5	CLEANED:	RATE: 0

MACTEC

STREET: GRAND AVE.	MAP #1:	MH: GG-18
CITY: ST LOUIS, MO.	MAP #2:	MH: ?
LOCALE: private property	TAPE #: EMA-1	TV'D LGTH: 22.5 ft

INSPECT REASON: gen. condition	PIPE SIZE: 8"
SECTION TYPE: combined wastewater ?	MATERIAL: VCP JT LGTH:
AREA:	LINING:
	RSRVD:

REMARK: CARTER CARBURETOR SITE

1:75	POSITION	CODE	OBSERVATION	VCR #	PH	RATE
	0.00	0	inspection begins at downstream manhole	00:51:13	44a	0
	22.50	0	pipe bends down	00:55:08	45a	0
	22.50	0	inspection abandoned	00:55:20	46a	0



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INSPECTION IMAGES

CITY:
ST LOUIS, MO.

STREET:
GRAND AVE.

DATE:
05/15/2007

SECTION NR:
11

SECTION NAME:

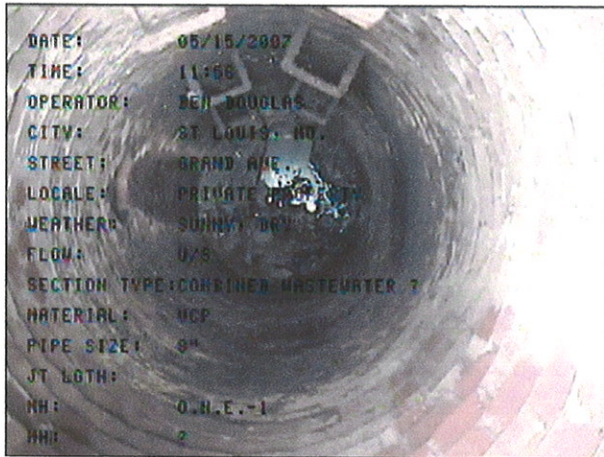


IMAGE: 44a, TAPE #: EMA-1, 00:51:13
0FT, inspection begins at downstream manhole

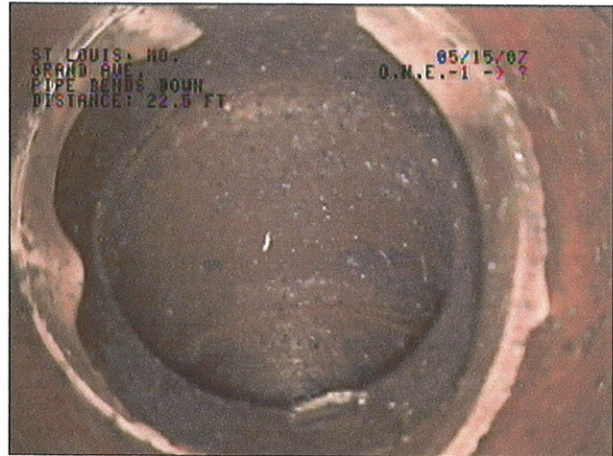


IMAGE: 45a, TAPE #: EMA-1, 00:55:08
22.5FT, pipe bends down



IMAGE: 46a, TAPE #: EMA-1, 00:55:20
22.5FT, inspection abandoned



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INSPECTION REPORT

DATE: 05/17/2007	WORK #: 300939-171	WEATHER: sunny, dry	OPERATOR: BEN DOUGLAS	SECTION NR: 12	SECTION NAME:
PRESENT: CHRIS TEDDER FROM	VEHICLE: TV128	CAMERA: PAN/TILT/ZOOM	PRESET: 5	CLEANED:	RATE: 4040

MACTEC

STREET: GRAND AVE.	MAP #1:	MH: GG-18
CITY: ST LOUIS, MO.	MAP #2:	MH: ?
LOCALE: private property	TAPE #: EMA-1	TV'D LGTH: 466.1 ft

INSPECT REASON: gen. condition	PIPE SIZE: 12"
SECTION TYPE: combined wastewater ?	MATERIAL: VCP JT LGTH:
AREA:	LINING:
	RSRVD:

REMARK: CARTER CARBURETOR SITE

1:462	POSITION	CODE	OBSERVATION	VCR #	PH	RATE
	0.00	0	inspection begins at downstream manhole	00:55:26	47a	0
	17.00	160	break-in-connection defective, at 03 o'clock	00:58:36	48a, b	1
	22.30	0	CHIP IN PIPE	00:59:10	49a	0
	38.30	160	break-in-connection, at 10 o'clock	00:59:53	50a, b	1
	40.90	0	service connection capped, at 03 o'clock	01:00:26	51a	0
	41.00	0	pipe bends right	01:00:31		0
	46.40	0	service connection, at 02 o'clock	01:00:50	53a	0
	52.80	160	break-in-connection, at 10 o'clock	01:01:20	54a, b	1
	85.20	0	service connection, at 02 o'clock	01:02:26	55a	0
	92.20	0	pipe bends left	01:02:45		0
	100.70	160	break-in-connection, at 10 o'clock	01:03:10	57a, b	1
	109.40	160	break-in-connection, at 10 o'clock	01:03:44	58a, b	1
	120.40	160	break-in-connection, at 12 o'clock	01:04:37	59a, b	1
	122.40	0	service connection, at 12 o'clock	01:05:07	60a	0
	126.40	0	service connection capped, at 10 o'clock	01:05:45	61a	0
	131.90	130	roots light, at 07 o'clock	01:06:13	62a	1
	137.30	S1 0	pipe bends left, START	01:06:33	63a	0
	142.50	130	roots light, at 04 o'clock	01:06:49	64a	1
	145.70	E1 0	pipe bends left, END	01:07:07		0
	146.00	S2 130	roots light, from 12 to 12 o'clock, START	01:07:23	66a	1
	150.70	0	pipe bends right	01:07:39	67a	0
	188.70	E2 130	roots light, from 12 to 12 o'clock, END	01:08:48	68a	1



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INSPECTION REPORT

DATE: 05/17/2007	WORK #: 300939-171	WEATHER: sunny, dry	OPERATOR: BEN DOUGLAS	SECTION NR: 12	SECTION NAME:
PRESENT: CHRIS TEDDER FROM MACTEC	VEHICLE: TV128	CAMERA: PAN/TILT/ZOOM	PRESET: 5	CLEANED:	RATE: 4040

1:462	POSITION	CODE	OBSERVATION	VCR #	PH	RATE
	203.00	500	pipe broken at joint, from 11 to 01 o'clock	01:09:36	69a	3
	204.10	160	break-in-connection, at 12 o'clock	01:09:49	70a, b	1
	206.20	0	Longitudinal Crack, at 03 o'clock	01:10:16	71a	2
	208.70	160	service connection with roots light, at 02 o'clock	01:10:34	72a	1
	230.60	160	break-in-connection with roots light, at 12 o'clock	01:11:22	73a, b	1
	245.50	0	sag begins	01:11:59	74a	1
	249.40	160	service connection defective, at 02 o'clock	01:12:15	75a	1
	254.40	0	service connection capped, at 03 o'clock	01:12:39	76a	0
	263.50	0	sag ends	01:13:10	77a	0
	270.30	0	service connection capped, at 09 o'clock	01:13:40	78a, b	0
	286.40	0	Hole in pipe from 11 to 01 o'clock, REMARK: PATCHED	01:14:34	79a, b	3
	308.00	0	service connection capped, at 02 o'clock	01:15:27	80a	0
	316.70	0	Hole in pipe from 11 to 01 o'clock, REMARK: PATCHED	01:15:56	81a, b	3
	329.80	0	sag begins	01:16:35	82a	1
	333.80	0	service connection capped, at 02 o'clock	01:16:51	83a, b	0
	335.00	0	Hole in pipe from 11 to 01 o'clock, REMARK: PATCHED	01:17:21	84a, b	3
	346.00	S3 130	roots light, from 12 to 12 o'clock, START	01:18:00	85a	1
	347.80	500	pipe broken at joint, from 10 to 02 o'clock	01:18:19	86a	3
	368.30	160	service connection defective, at 02 o'clock	01:19:05	87a	1
	371.00	0	service connection capped, at 10 o'clock	01:19:19	88a	0
	379.20	0	sag ends	01:19:45	89a	0
	396.70	0	Hole in pipe at 01 o'clock	01:20:22	90a	3
	398.00	E3 130	roots light, from 12 to 12 o'clock, END	01:20:57	91a	1
	403.90	500	pipe broken at joint, from 12 to 12 o'clock	01:21:32	92a	3
	409.10	0	service connection, at 02 o'clock	01:21:53	93a	0
	411.40	0	service connection capped, at 10 o'clock	01:22:11	94a	0
	419.30	0	sag begins	01:22:32	95a	1
	426.00	0	sag ends	01:22:48	96a	0
	430.90	0	sag begins	01:23:02	97a	1
	430.90	0	pipe bends right	01:23:05		0
	443.20	0	camera under water	01:23:35	99a	1



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INSPECTION REPORT

DATE: 05/17/2007	WORK #: 300939-171	WEATHER: sunny, dry	OPERATOR: BEN DOUGLAS	SECTION NR: 12	SECTION NAME:
PRESENT: CHRIS TEDDER FROM	VEHICLE: TV128	CAMERA: PAN/TILT/ZOOM	PRESET: 5	CLEANED:	RATE: 4040

MACTEC

1:462	POSITION	CODE	OBSERVATION	VCR #	PH	RATE
	466.10	0	camera blocked, inspection abandoned	01:25:08	100a	0



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INSPECTION IMAGES

CITY: ST LOUIS, MO.	STREET: GRAND AVE.	DATE: 05/17/2007	SECTION NR: 12	SECTION NAME:
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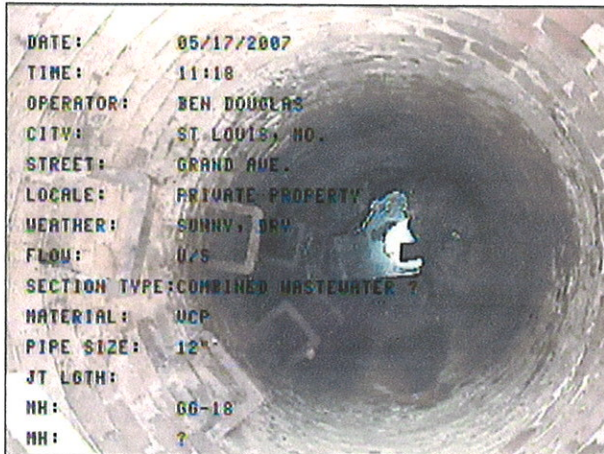


IMAGE: 47a, TAPE #: EMA-1, 00:55:26
0FT, inspection begins at downstream manhole

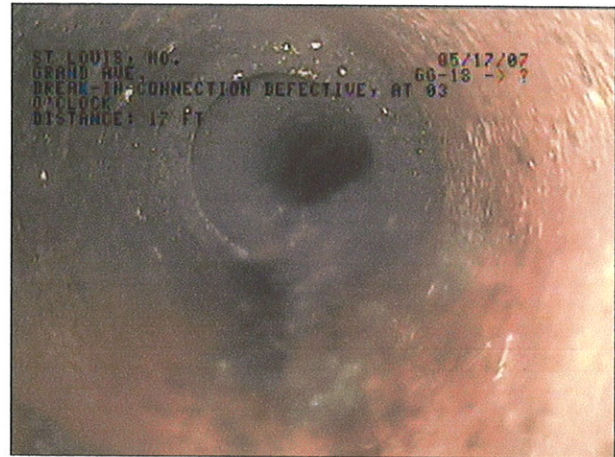


IMAGE: 48a, TAPE #: EMA-1, 00:58:36
17FT, break-in-connection defective, at 03 o'clock



IMAGE: 48b, TAPE #: EMA-1, 00:58:36
17FT, break-in-connection defective, at 03 o'clock

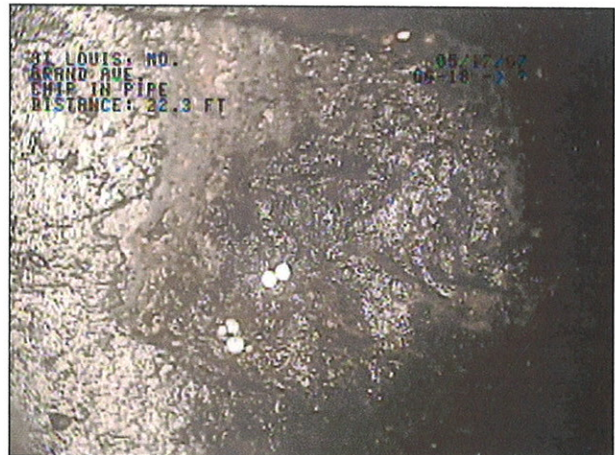


IMAGE: 49a, TAPE #: EMA-1, 00:59:10
22.3FT, CHIP IN PIPE



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INSPECTION IMAGES

CITY: ST LOUIS, MO.	STREET: GRAND AVE.	DATE: 05/17/2007	SECTION NR: 12	SECTION NAME:
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IMAGE: 50a, TAPE #: EMA-1, 00:59:53
38.3FT, break-in-connection, at 10 o'clock

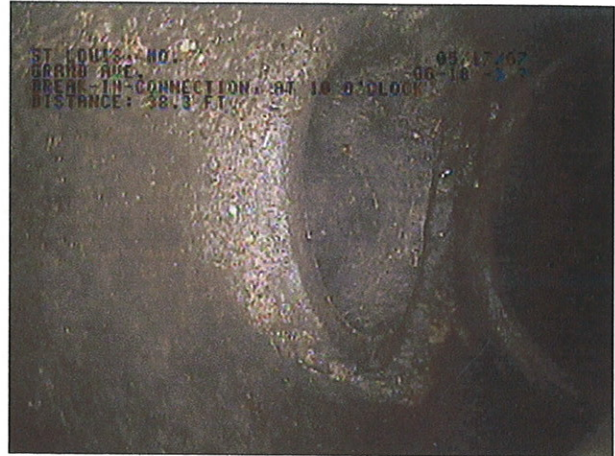


IMAGE: 50b, TAPE #: EMA-1, 00:59:53
38.3FT, break-in-connection, at 10 o'clock



IMAGE: 51a, TAPE #: EMA-1, 01:00:26
40.9FT, service connection capped, at 03 o'clock

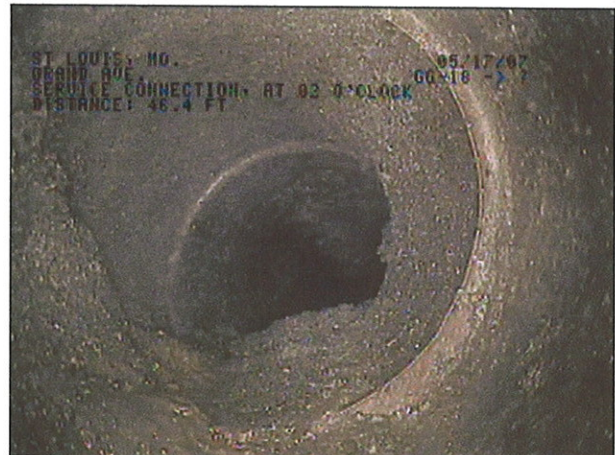


IMAGE: 53a, TAPE #: EMA-1, 01:00:50
46.4FT, service connection, at 02 o'clock



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INSPECTION IMAGES

CITY: ST LOUIS, MO.	STREET: GRAND AVE.	DATE: 05/17/2007	SECTION NR: 12	SECTION NAME:
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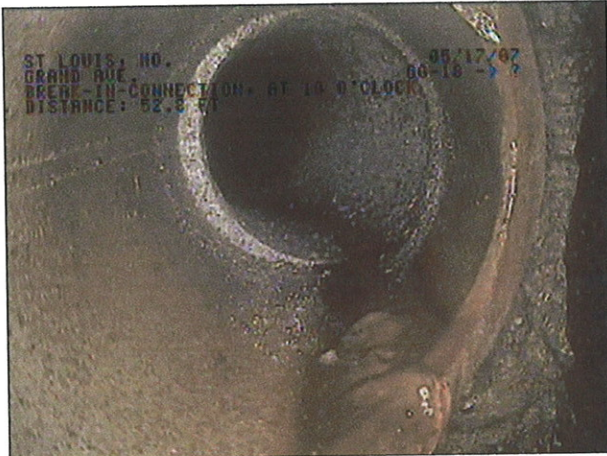


IMAGE: 54a, TAPE #: EMA-1, 01:01:20
52.8FT, break-in-connection, at 10 o'clock

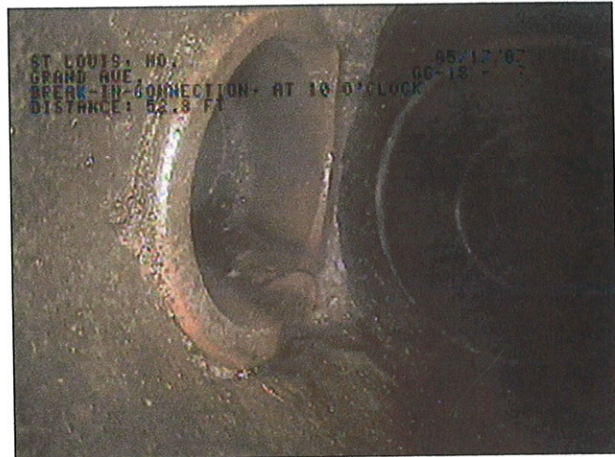


IMAGE: 54b, TAPE #: EMA-1, 01:01:20
52.8FT, break-in-connection, at 10 o'clock



IMAGE: 55a, TAPE #: EMA-1, 01:02:26
85.2FT, service connection, at 02 o'clock

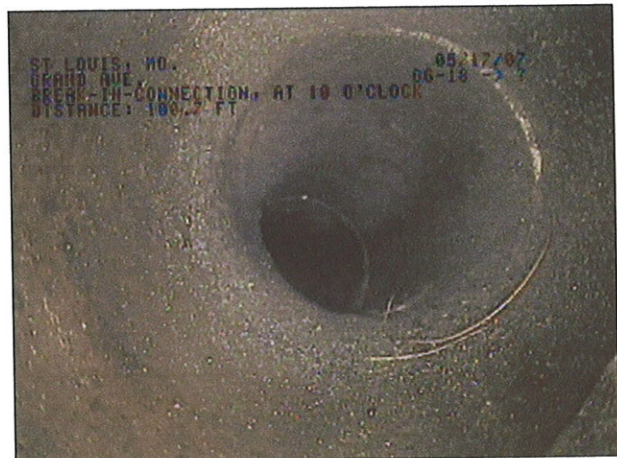


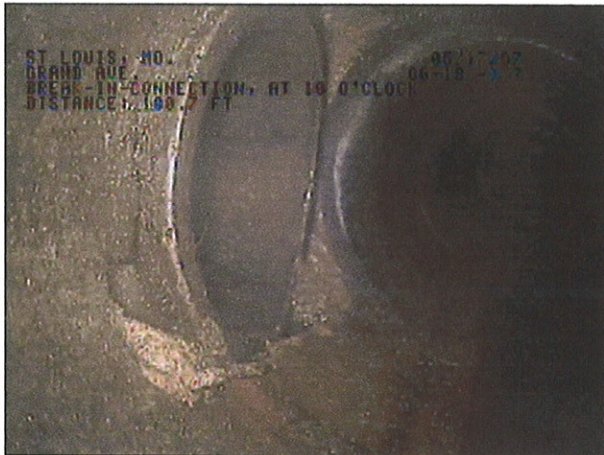
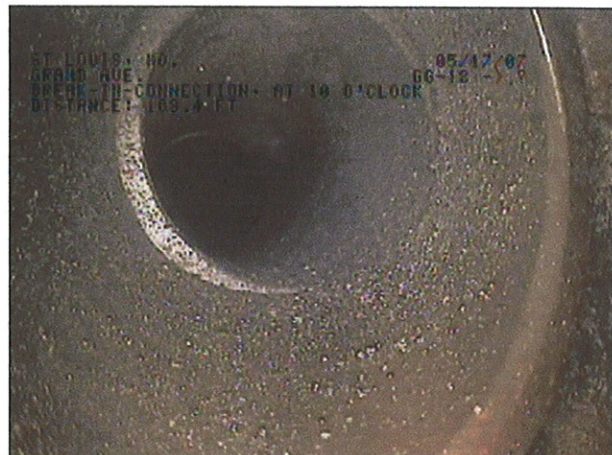
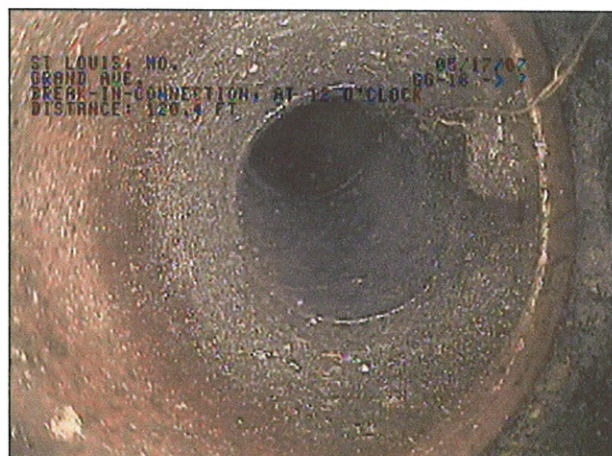
IMAGE: 57a, TAPE #: EMA-1, 01:03:10
100.7FT, break-in-connection, at 10 o'clock



INSPECTION IMAGES

CITY:
ST LOUIS, MO.STREET:
GRAND AVE.DATE:
05/17/2007SECTION NR:
12

SECTION NAME:

IMAGE: 57b, TAPE #: EMA-1, 01:03:10
100.7FT, break-in-connection, at 10 o'clockIMAGE: 58a, TAPE #: EMA-1, 01:03:44
109.4FT, break-in-connection, at 10 o'clockIMAGE: 58b, TAPE #: EMA-1, 01:03:44
109.4FT, break-in-connection, at 10 o'clockIMAGE: 59a, TAPE #: EMA-1, 01:04:37
120.4FT, break-in-connection, at 12 o'clock



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INSPECTION IMAGES

CITY:
ST LOUIS, MO.

STREET:
GRAND AVE.

DATE:
05/17/2007

SECTION NR:
12

SECTION NAME:



IMAGE: 59b, TAPE #: EMA-1, 01:04:37
120.4FT, break-in-connection, at 12 o'clock



IMAGE: 60a, TAPE #: EMA-1, 01:05:07
122.4FT, service connection, at 12 o'clock

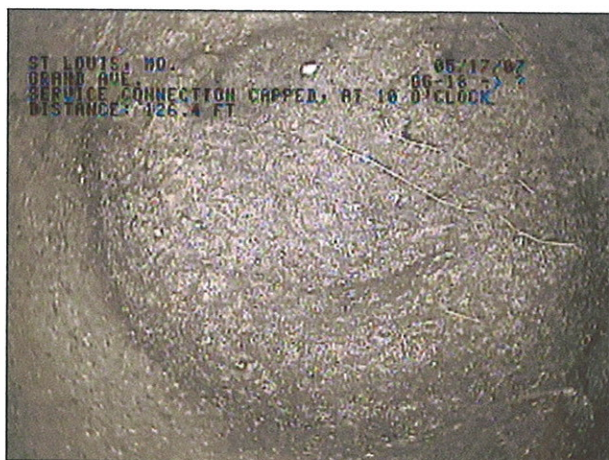


IMAGE: 61a, TAPE #: EMA-1, 01:05:45
126.4FT, service connection capped, at 10 o'clock

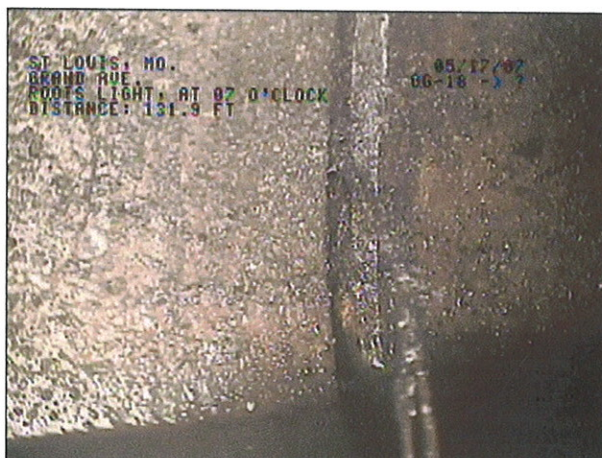


IMAGE: 62a, TAPE #: EMA-1, 01:06:13
131.9FT, roots light, at 07 o'clock



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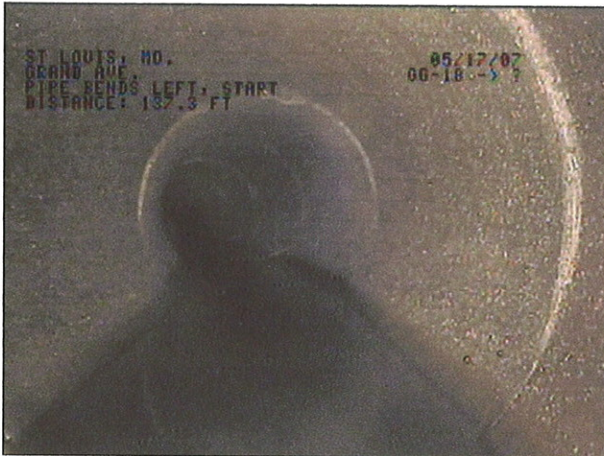


IMAGE: 63a, TAPE #: EMA-1, 01:06:33
137.3FT, pipe bends left, START

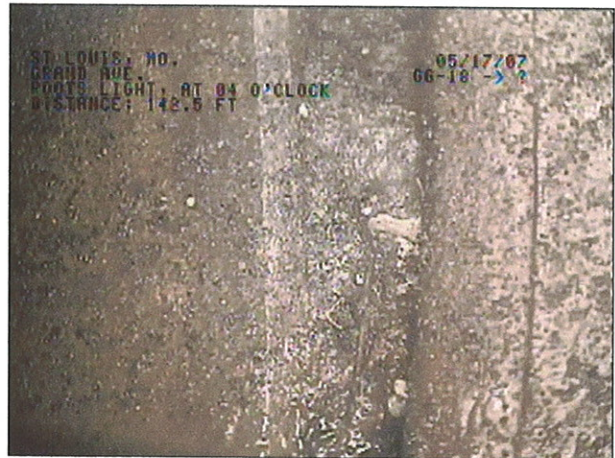


IMAGE: 64a, TAPE #: EMA-1, 01:06:49
142.5FT, roots light, at 04 o'clock

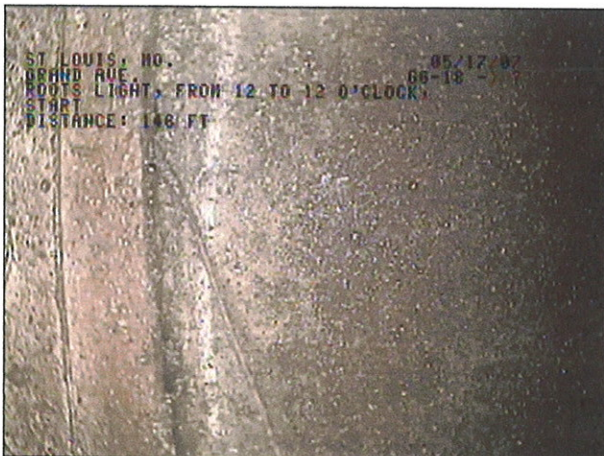


IMAGE: 66a, TAPE #: EMA-1, 01:07:23
146FT, roots light, from 12 to 12 o'clock, START

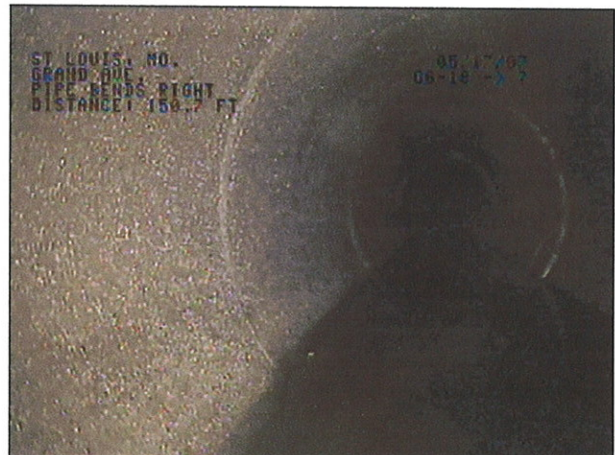


IMAGE: 67a, TAPE #: EMA-1, 01:07:39
150.7FT, pipe bends right



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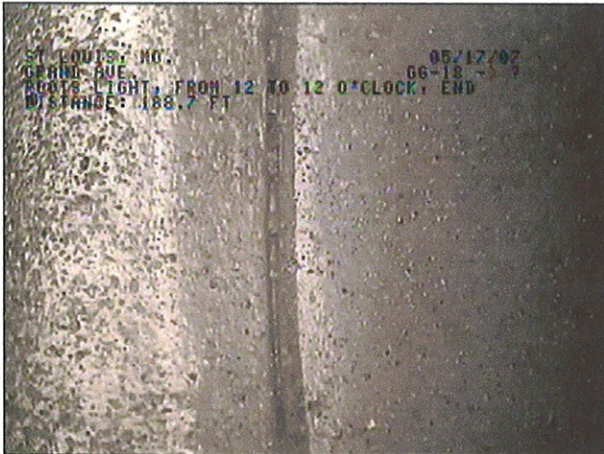


IMAGE: 68a, TAPE #: EMA-1, 01:08:48
188.7FT, roots light, from 12 to 12 o'clock, END



IMAGE: 69a, TAPE #: EMA-1, 01:09:36
203FT, pipe broken at joint, from 11 to 01 o'clock



IMAGE: 70a, TAPE #: EMA-1, 01:09:49
204.1FT, break-in-connection, at 12 o'clock



IMAGE: 70b, TAPE #: EMA-1, 01:09:49
204.1FT, break-in-connection, at 12 o'clock



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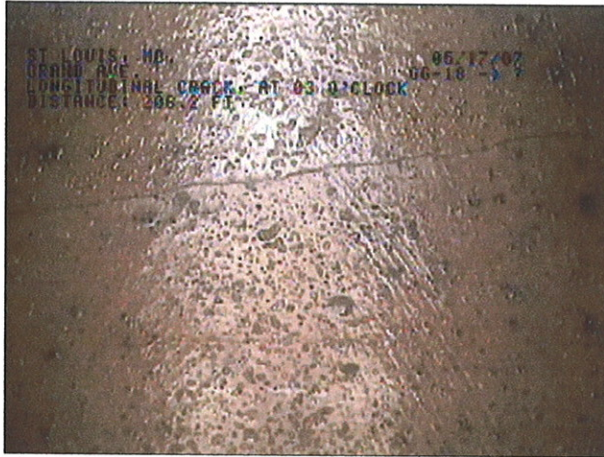


IMAGE: 71a, TAPE #: EMA-1, 01:10:16
206.2FT, Longitudinal Crack, at 03 o'clock

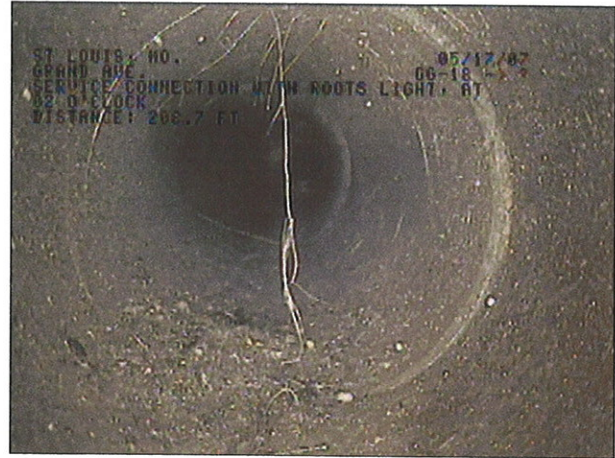


IMAGE: 72a, TAPE #: EMA-1, 01:10:34
208.7FT, service connection with roots light, at 02 o'clock

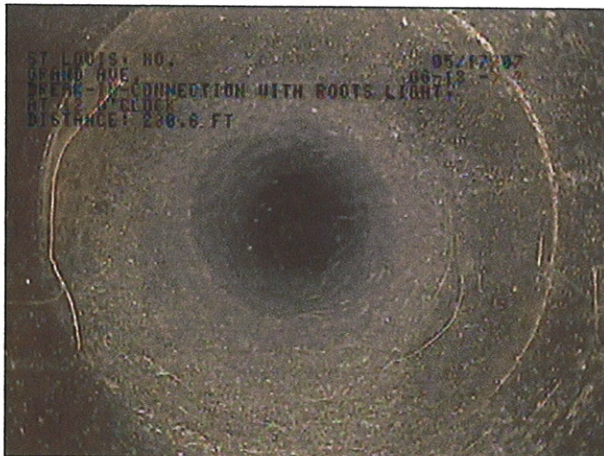


IMAGE: 73a, TAPE #: EMA-1, 01:11:22
230.6FT, break-in-connection with roots light, at 12 o'clock

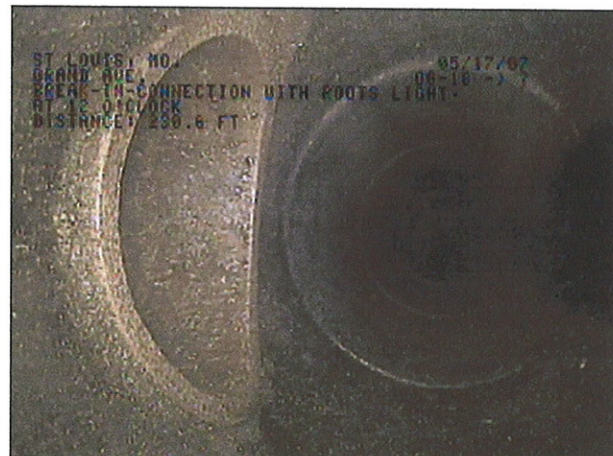


IMAGE: 73b, TAPE #: EMA-1, 01:11:22
230.6FT, break-in-connection with roots light, at 12 o'clock



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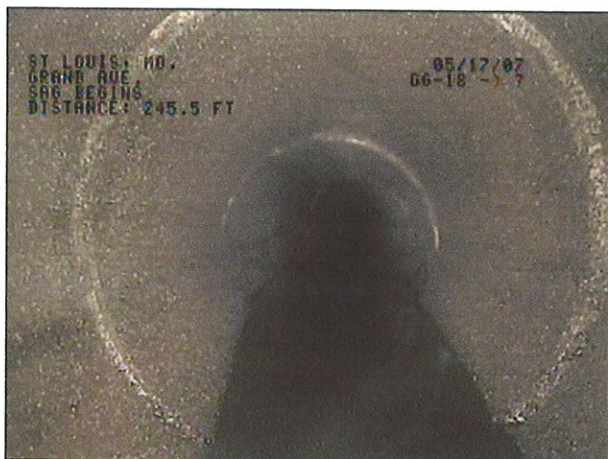


IMAGE: 74a, TAPE #: EMA-1, 01:11:59
245.5FT, sag begins



IMAGE: 75a, TAPE #: EMA-1, 01:12:15
249.4FT, service connection defective, at 02 o'clock



IMAGE: 76a, TAPE #: EMA-1, 01:12:39
254.4FT, service connection capped, at 03 o'clock

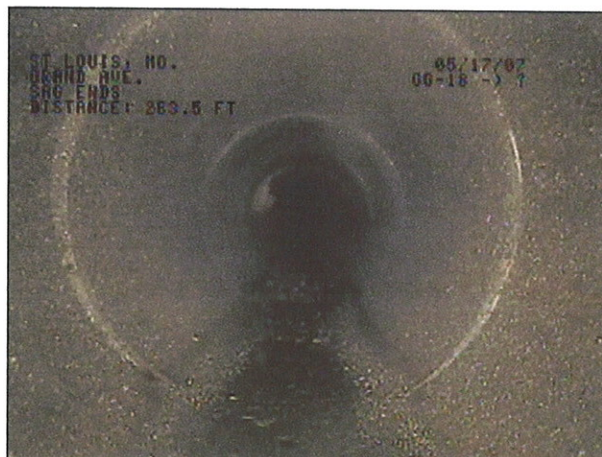


IMAGE: 77a, TAPE #: EMA-1, 01:13:10
263.5FT, sag ends



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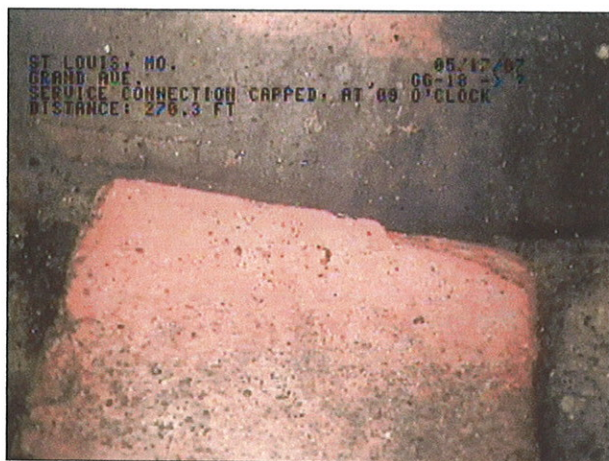


IMAGE: 78a, TAPE #: EMA-1, 01:13:40
270.3FT, service connection capped, at 09 o'clock

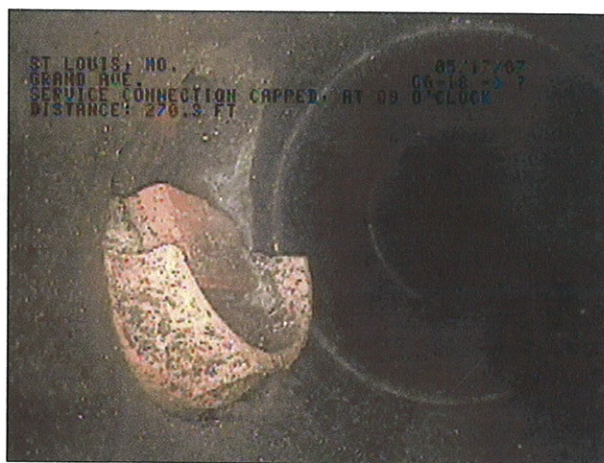


IMAGE: 78b, TAPE #: EMA-1, 01:13:40
270.3FT, service connection capped, at 09 o'clock

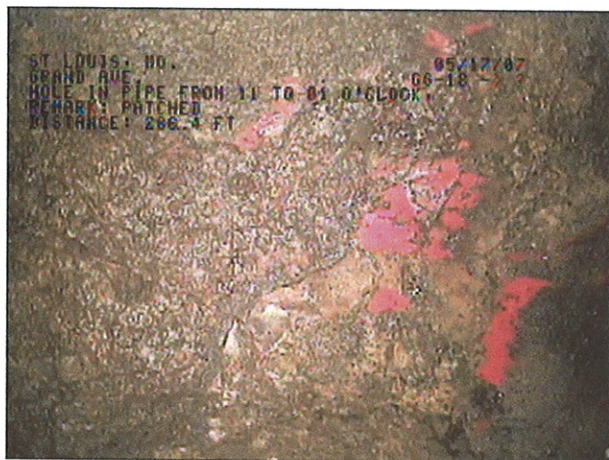


IMAGE: 79a, TAPE #: EMA-1, 01:14:34
286.4FT, Hole in pipe from 11 to 01 o'clock, REMARK:
PATCHED



IMAGE: 79b, TAPE #: EMA-1, 01:14:34
286.4FT, Hole in pipe from 11 to 01 o'clock, REMARK:
PATCHED



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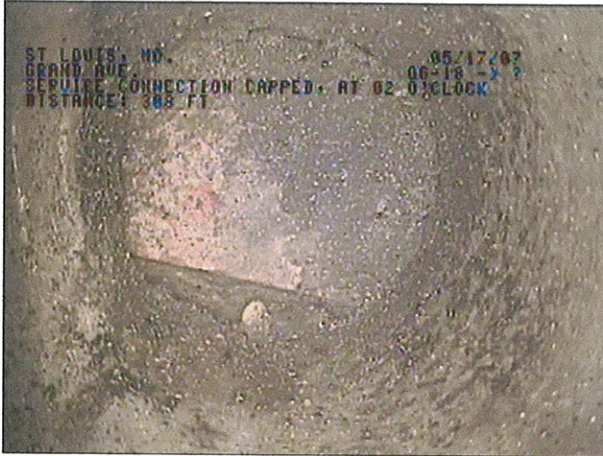


IMAGE: 80a, TAPE #: EMA-1, 01:15:27
308FT, service connection capped, at 02 o'clock

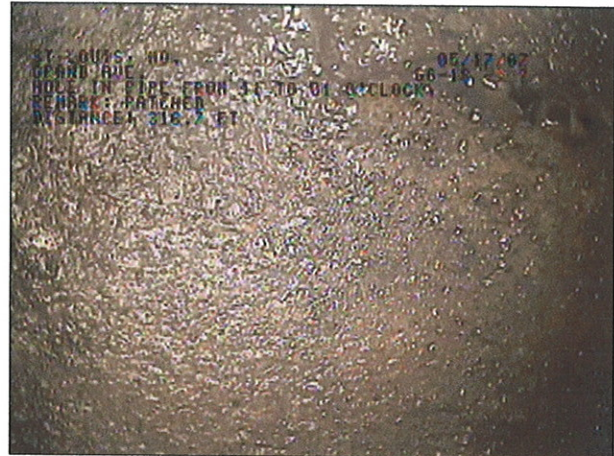


IMAGE: 81a, TAPE #: EMA-1, 01:15:56
316.7FT, Hole in pipe from 11 to 01 o'clock, REMARK:
PATCHED

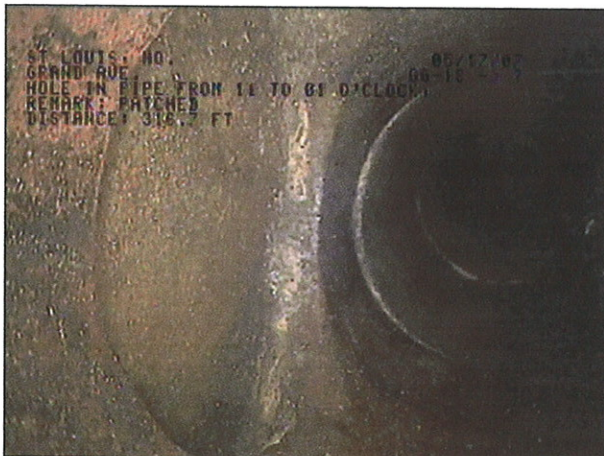


IMAGE: 81b, TAPE #: EMA-1, 01:15:56
316.7FT, Hole in pipe from 11 to 01 o'clock, REMARK:
PATCHED



IMAGE: 82a, TAPE #: EMA-1, 01:16:35
329.8FT, sag begins



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IMAGE: 83a, TAPE #: EMA-1, 01:16:51
333.8FT, service connection capped, at 02 o'clock



IMAGE: 83b, TAPE #: EMA-1, 01:16:51
333.8FT, service connection capped, at 02 o'clock



IMAGE: 84a, TAPE #: EMA-1, 01:17:21
335FT, Hole in pipe from 11 to 01 o'clock, REMARK: PATCHED



IMAGE: 84b, TAPE #: EMA-1, 01:17:21
335FT, Hole in pipe from 11 to 01 o'clock, REMARK: PATCHED



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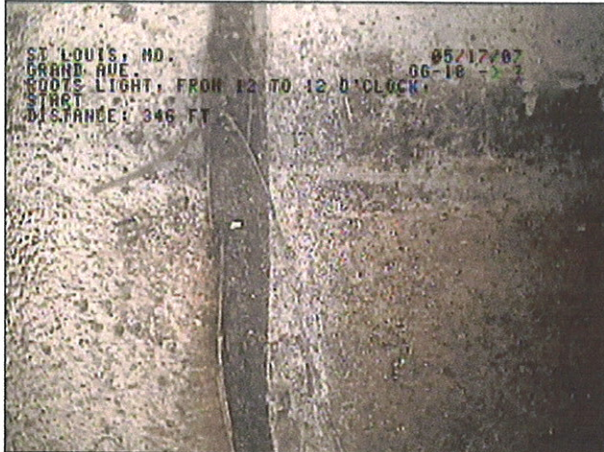


IMAGE: 85a, TAPE #: EMA-1, 01:18:00
346FT, roots light, from 12 to 12 o'clock, START



IMAGE: 86a, TAPE #: EMA-1, 01:18:19
347.8FT, pipe broken at joint, from 10 to 02 o'clock

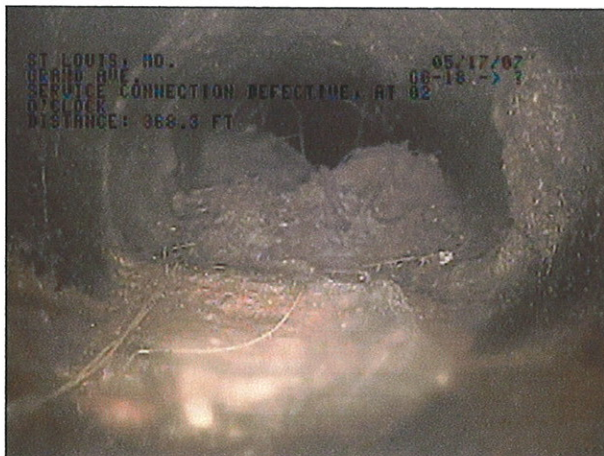


IMAGE: 87a, TAPE #: EMA-1, 01:19:05
368.3FT, service connection defective, at 02 o'clock

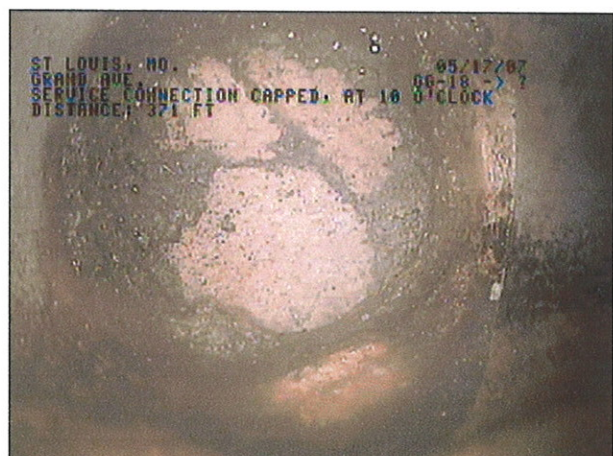


IMAGE: 88a, TAPE #: EMA-1, 01:19:19
371FT, service connection capped, at 10 o'clock



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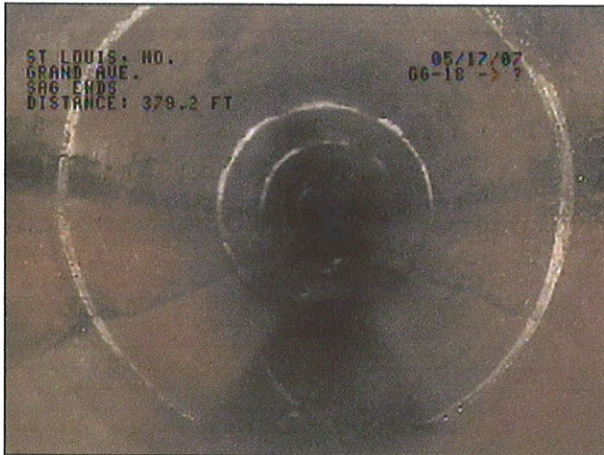


IMAGE: 89a, TAPE #: EMA-1, 01:19:45
379.2FT, sag ends

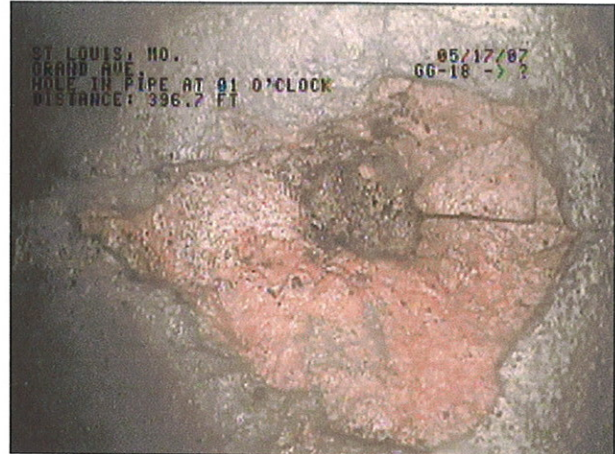


IMAGE: 90a, TAPE #: EMA-1, 01:20:22
396.7FT, Hole in pipe at 01 o'clock



IMAGE: 91a, TAPE #: EMA-1, 01:20:57
398FT, roots light, from 12 to 12 o'clock, END

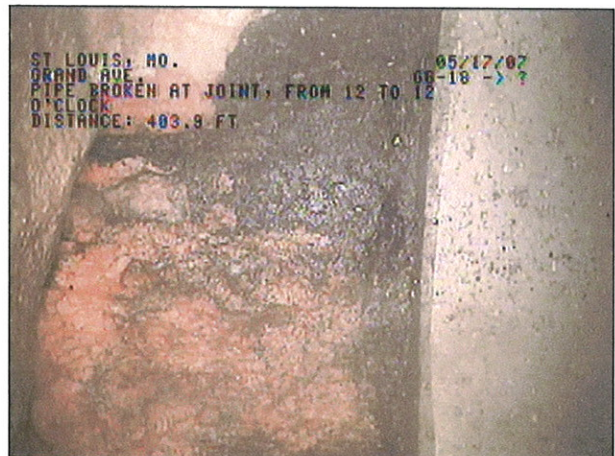


IMAGE: 92a, TAPE #: EMA-1, 01:21:32
403.9FT, pipe broken at joint, from 12 to 12 o'clock



INSPECTION IMAGES

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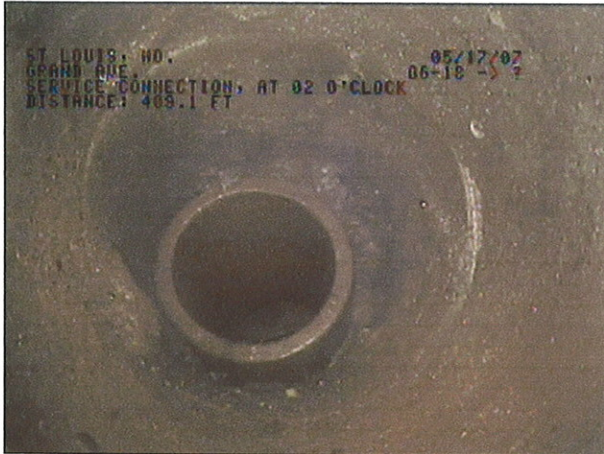


IMAGE: 93a, TAPE #: EMA-1, 01:21:53
409.1FT, service connection, at 02 o'clock



IMAGE: 94a, TAPE #: EMA-1, 01:22:11
411.4FT, service connection capped, at 10 o'clock

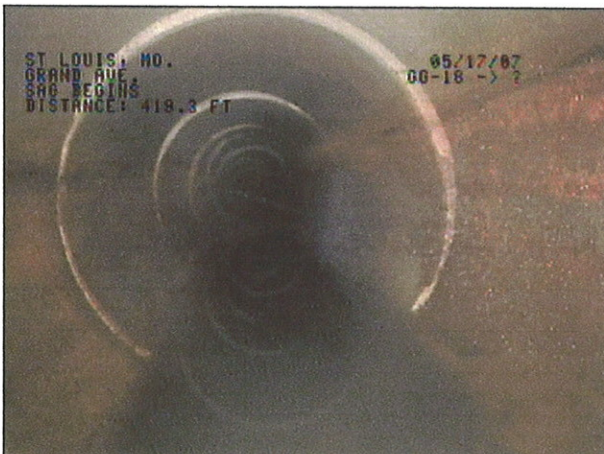


IMAGE: 95a, TAPE #: EMA-1, 01:22:32
419.3FT, sag begins

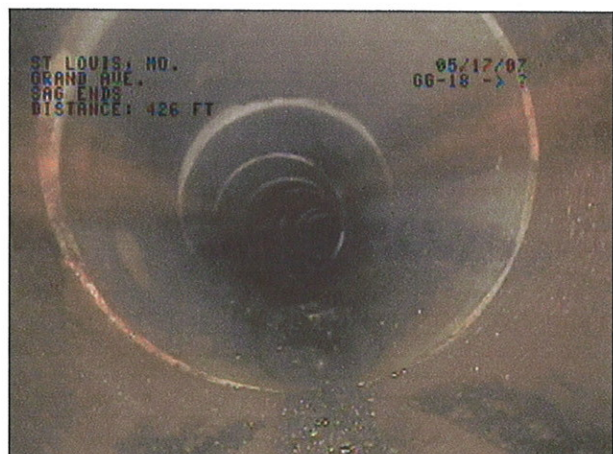


IMAGE: 96a, TAPE #: EMA-1, 01:22:48
426FT, sag ends



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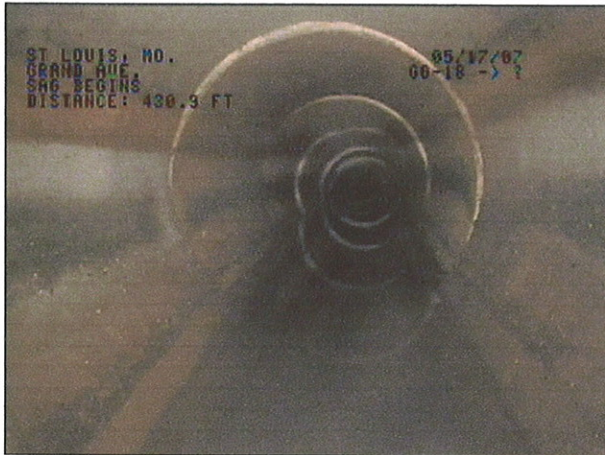


IMAGE: 97a, TAPE #: EMA-1, 01:23:02
430.9FT, sag begins

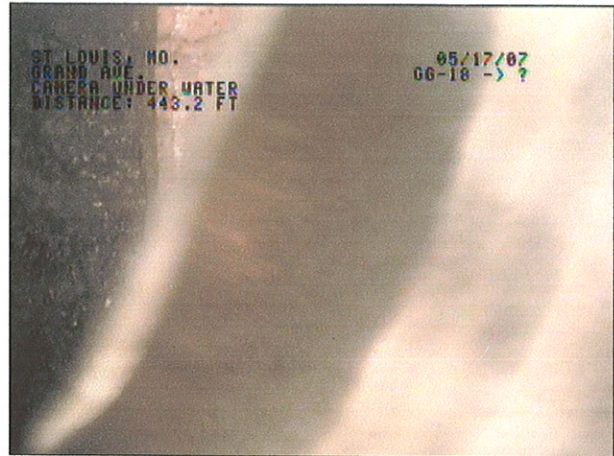


IMAGE: 99a, TAPE #: EMA-1, 01:23:35
443.2FT, camera under water

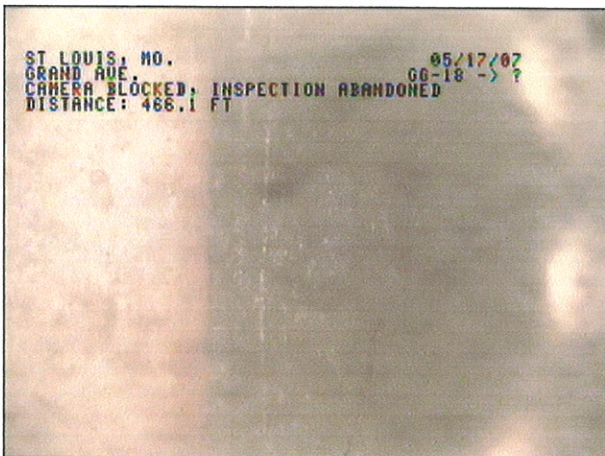


IMAGE: 100a, TAPE #: EMA-1, 01:25:08
466.1FT, camera blocked, inspection abandoned



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INSPECTION REPORT

DATE: 05/18/2007	WORK #: 300939-171	WEATHER: sunny, dry	OPERATOR: BEN DOUGLAS	SECTION NR: 13	SECTION NAME:
PRESENT: CHRIS TEDDER FROM	VEHICLE: TV128	CAMERA: PAN/TILT/ZOOM	PRESET: 5	CLEANED:	RATE: 1100

MACTEC

STREET: GRAND AVE.	MAP #1:	MH: NN-19
CITY: ST LOUIS, MO.	MAP #2:	MH: GG-19
LOCALE: private property	TAPE #: EMA-1	TV'D LGTH: 133.2 ft

INSPECT REASON: gen. condition	PIPE SIZE: 12"
SECTION TYPE: combined wastewater ?	MATERIAL: VCP JT LGTH:
AREA:	LINING:
	RSRVD:

REMARK: CARTER CARBURETOR SITE

1:325	POSITION	CODE	OBSERVATION	VCR #	PH	RATE
	0.00	0	inspection begins at downstream manhole	01:25:08	101a	0
	17.50	0	service connection, at 10 o'clock	01:28:30	102a	0
	48.70	0	service connection, at 10 o'clock	01:29:16	103a	0
	95.30	0	service connection, at 10 o'clock	01:30:16	104a	0
	96.00	500	pipe broken at joint, from 10 to 11 o'clock	01:30:33	105a	3
	100.90	300	Circumferential Crack at joint, from 03 to 06 o'clock	01:31:15	106a	3
	125.40	300	Longitudinal Crack at joint, at 12 o'clock	01:31:57	107a	3
	132.20	0	drop connection at invert	01:32:26	108a	0
	133.20	0	inspection ends at upstream manhole	01:33:06	109a	0



INSPECTION IMAGES

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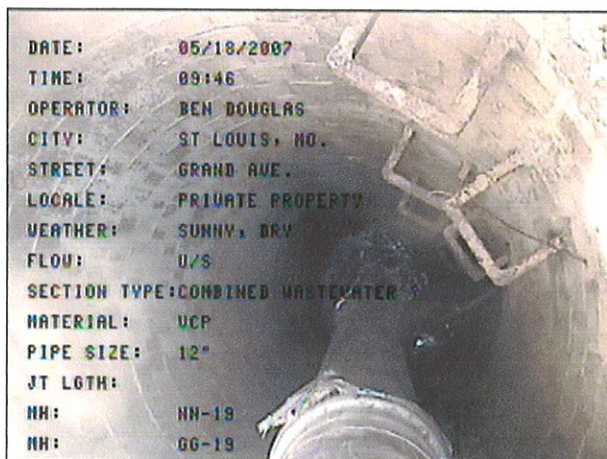


IMAGE: 101a, TAPE #: EMA-1, 01:25:08
0FT, inspection begins at downstream manhole



IMAGE: 102a, TAPE #: EMA-1, 01:28:30
17.5FT, service connection, at 10 o'clock



IMAGE: 103a, TAPE #: EMA-1, 01:29:16
48.7FT, service connection, at 10 o'clock

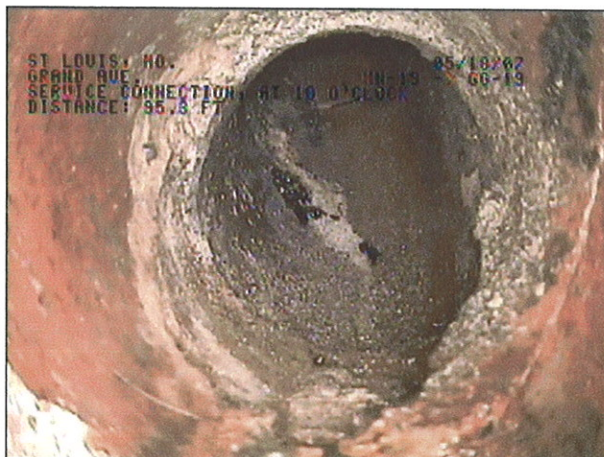


IMAGE: 104a, TAPE #: EMA-1, 01:30:16
95.3FT, service connection, at 10 o'clock



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IMAGE: 105a, TAPE #: EMA-1, 01:30:33
96FT, pipe broken at joint, from 10 to 11 o'clock

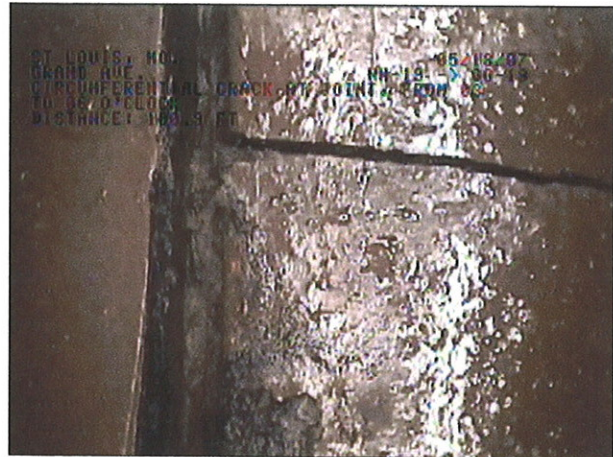


IMAGE: 106a, TAPE #: EMA-1, 01:31:15
100.9FT, Circumferential Crack at joint, from 03 to 06 o'clock

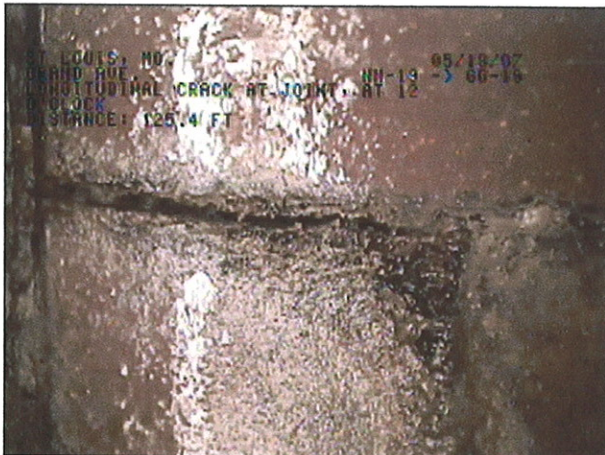


IMAGE: 107a, TAPE #: EMA-1, 01:31:57
125.4FT, Longitudinal Crack at joint, at 12 o'clock

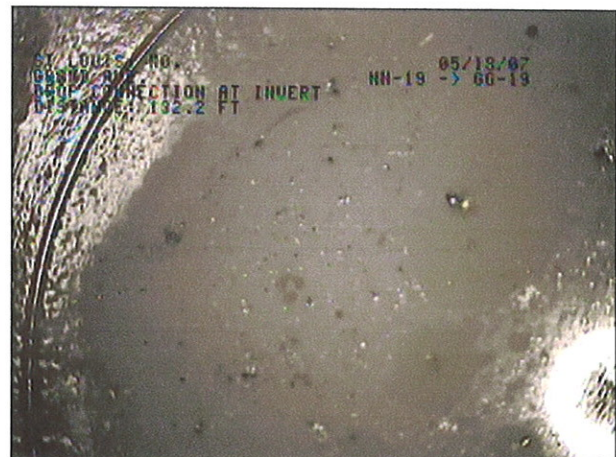


IMAGE: 108a, TAPE #: EMA-1, 01:32:26
132.2FT, drop connection at invert



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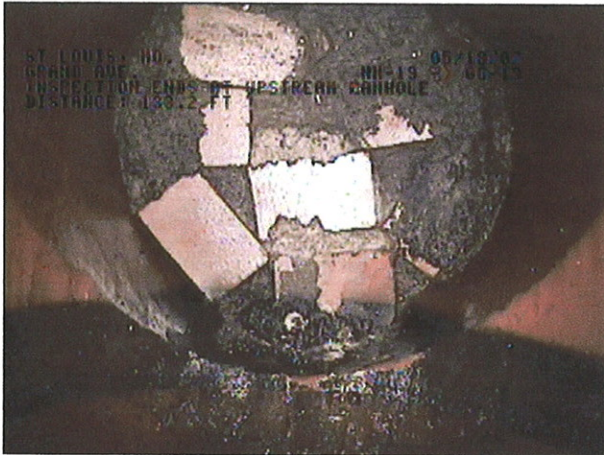


IMAGE: 109a, TAPE #: EMA-1, 01:33:06
133.2FT, inspection ends at upstream manhole



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INSPECTION REPORT

DATE: 05/18/2007	WORK #: 300939-171	WEATHER: sunny, dry	OPERATOR: BEN DOUGLAS	SECTION NR: 14	SECTION NAME:
PRESENT: CHRIS TEDDER FROM MACTEC	VEHICLE: TV128	CAMERA: PAN/TILT/ZOOM	PRESET: 5	CLEANED:	RATE: 0

STREET: GRAND AVE.	MAP #1:	MH: PP-19
CITY: ST LOUIS, MO.	MAP #2:	MH: NN-19
LOCALE: private property	TAPE #: EMA-1	TV'D LGTH: 21.9 ft

INSPECT REASON: gen. condition	PIPE SIZE: 12"
SECTION TYPE: combined wastewater ?	MATERIAL: VCP JT LGTH:
AREA:	LINING:
	RSRVD:

REMARK: CARTER CARBURETOR SITE

1:75	POSITION	CODE	OBSERVATION	VCR #	PH	RATE
	0.00	0	inspection begins at downstream manhole	01:33:05	110a	0
	11.20	0	sag begins	01:35:43	111a	1
	21.50	0	drop connection at invert	01:36:28	112a	0
	21.90	0	inspection ends at upstream manhole	01:36:43	113a	0



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CITY: ST LOUIS, MO.	STREET: GRAND AVE.	DATE: 05/18/2007	SECTION NR: 14	SECTION NAME:
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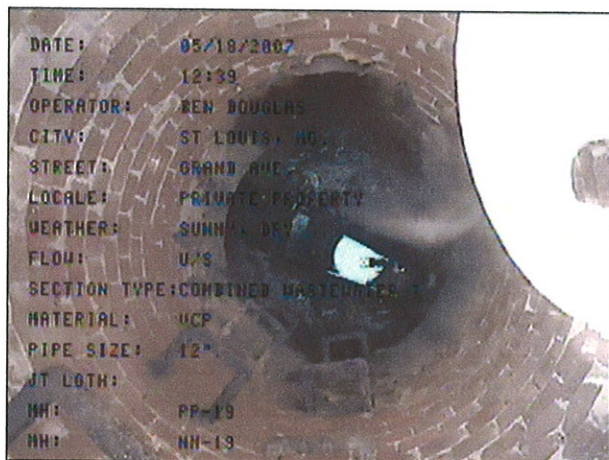


IMAGE: 110a, TAPE #: EMA-1, 01:33:05
0FT, inspection begins at downstream manhole

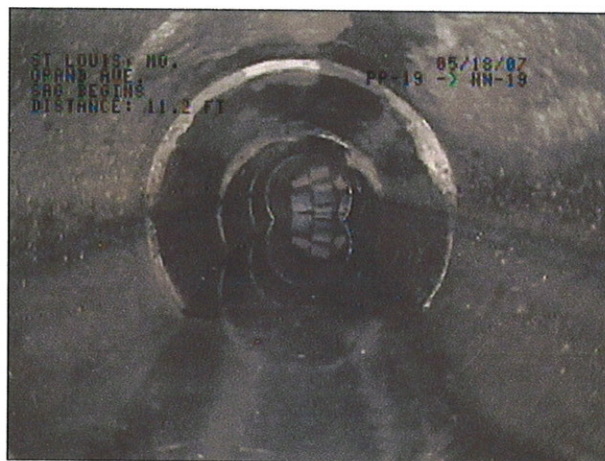


IMAGE: 111a, TAPE #: EMA-1, 01:35:43
11.2FT, sag begins



IMAGE: 112a, TAPE #: EMA-1, 01:36:28
21.5FT, drop connection at invert

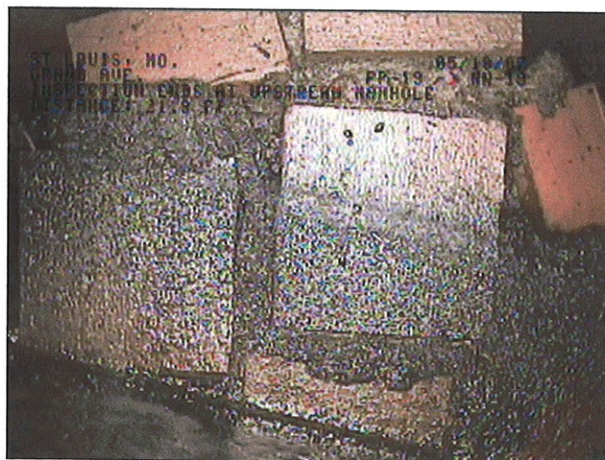


IMAGE: 113a, TAPE #: EMA-1, 01:36:43
21.9FT, inspection ends at upstream manhole



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INSPECTION REPORT

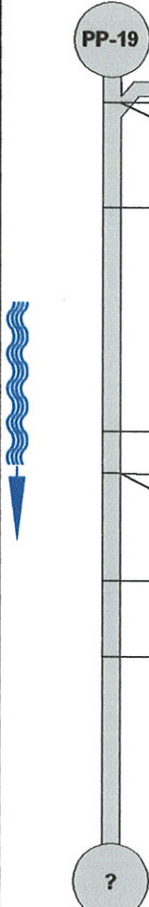
DATE: 05/18/2007	WORK #: 300939-171	WEATHER: sunny, dry	OPERATOR: BEN DOUGLAS	SECTION NR: 15	SECTION NAME:
PRESENT: CHRIS TEDDER FROM	VEHICLE: TV128	CAMERA: PAN/TILT/ZOOM	PRESET: 5	CLEANED:	RATE: 420

MACTEC

STREET: GRAND AVE.	MAP #1:	MH: PP-19
CITY: ST LOUIS, MO.	MAP #2:	MH: ?
LOCALE: private property	TAPE #: EMA-1	TV'D LGTH: 73.4 ft

INSPECT REASON: gen. condition	PIPE SIZE: 12"
SECTION TYPE: combined wastewater ?	MATERIAL: VCP JT LGTH:
AREA:	LINING:
	RSRVD:

REMARK: CARTER CARBURETOR SITE

1:200	POSITION	CODE	OBSERVATION	VCR #	PH	RATE
	0.00	0	inspection begins at upstream manhole	01:36:49	114a	0
	5.50	160	service connection defective, at 09 o'clock	01:38:42	115a	1
	5.50	S1 130	encrustation at joint, from 12 to 12 o'clock light, START	01:39:12	116a	1
	14.70	0	pipe bends left	01:39:42		0
	34.20	0	pipe Broken, from 09 to 03 o'clock	01:40:53	118a	3
	37.80	0	sag begins	01:41:13	119a	1
	37.80	0	pipe bends right	01:41:17		0
	47.20	E1 130	encrustation at joint, from 12 to 12 o'clock light, END	01:41:38	121a	1
	53.80	0	pipe bends right	01:41:56	122a	0
	73.40	0	inspection ends at PIPE NO ACCESS	01:42:58	123a	0



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INSPECTION IMAGES

CITY:
ST LOUIS, MO.

STREET:
GRAND AVE.

DATE:
05/18/2007

SECTION NR:
15

SECTION NAME:

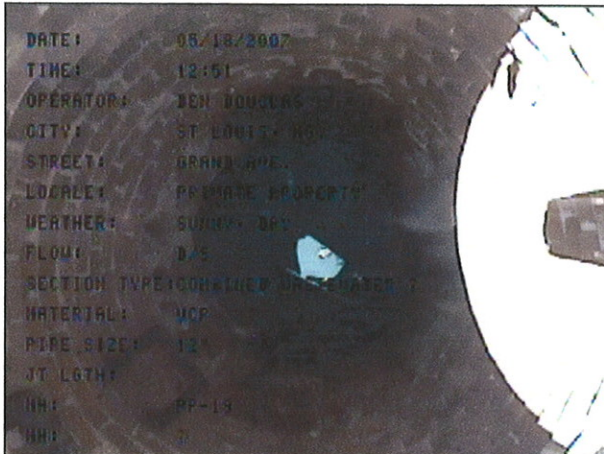


IMAGE: 114a, TAPE #: EMA-1, 01:36:49
OFT, inspection begins at upstream manhole

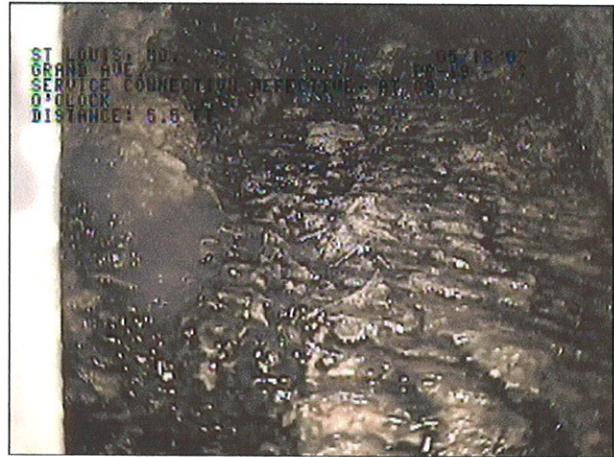


IMAGE: 115a, TAPE #: EMA-1, 01:38:42
5.5FT, service connection defective, at 09 o'clock



IMAGE: 116a, TAPE #: EMA-1, 01:39:12
5.5FT, encrustation at joint, from 12 to 12 o'clock light, START



IMAGE: 118a, TAPE #: EMA-1, 01:40:53
34.2FT, pipe Broken, from 09 to 03 o'clock



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INSPECTION IMAGES

CITY: ST LOUIS, MO.	STREET: GRAND AVE.	DATE: 05/18/2007	SECTION NR: 15	SECTION NAME:
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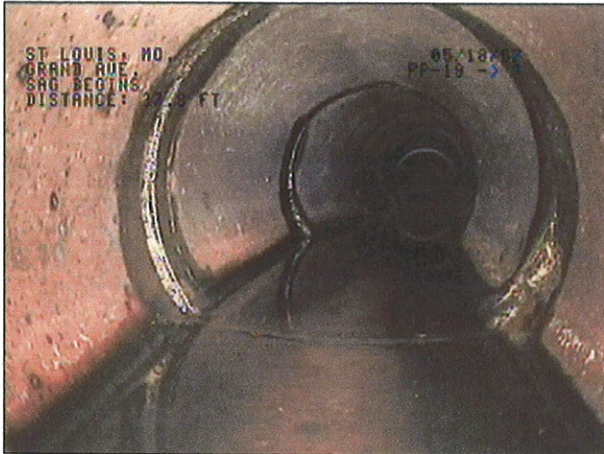


IMAGE: 119a, TAPE #: EMA-1, 01:41:13
37.8FT, sag begins

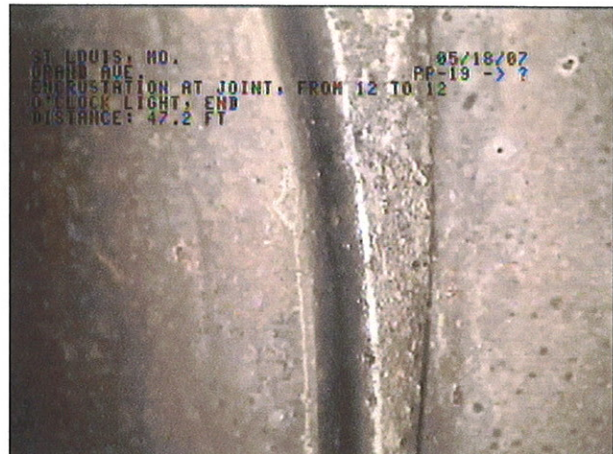


IMAGE: 121a, TAPE #: EMA-1, 01:41:38
47.2FT, encrustation at joint, from 12 to 12 o'clock light, END

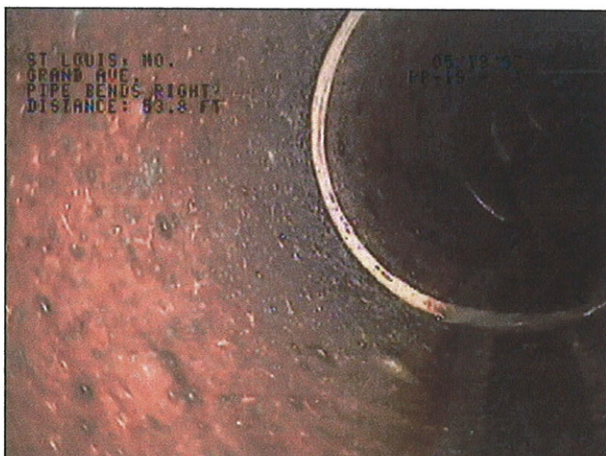


IMAGE: 122a, TAPE #: EMA-1, 01:41:56
53.8FT, pipe bends right

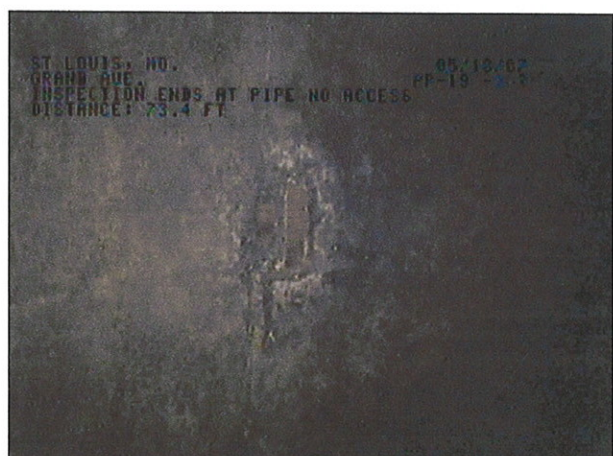


IMAGE: 123a, TAPE #: EMA-1, 01:42:58
73.4FT, inspection ends at PIPE NO ACCESS



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INSPECTION REPORT

DATE: 05/18/2007	WORK #: 300939-171	WEATHER: sunny, dry	OPERATOR: BEN DOUGLAS	SECTION NR: 16	SECTION NAME:
PRESENT: CHRIS TEDDER FROM	VEHICLE: TV128	CAMERA: PAN/TILT/ZOOM	PRESET: 5	CLEANED:	RATE: 0

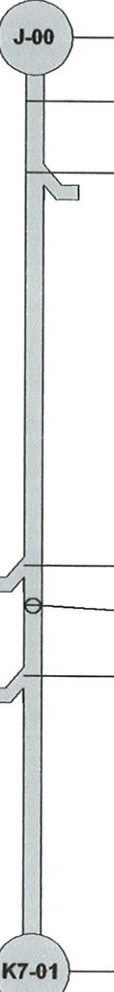
MACTEC

STREET: GRAND AVE.	MAP #1:	MH: J-00
CITY: ST LOUIS, MO.	MAP #2:	MH: K7-01
LOCALE: private property	TAPE #: EMA-1	TV'D LGTH: 142.4 ft

INSPECT REASON: gen. condition	PIPE SIZE: 12"
SECTION TYPE: combined wastewater ?	MATERIAL: VCP JT LGTH:
AREA:	LINING:
	RSRVD:

REMARK: CARTER CARBURETOR SITE

1:350	POSITION	CODE	OBSERVATION	VCR #	PH	RATE
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	<u>0.00</u>	0	inspection begins at downstream manhole	01:43:05	124a	0
	<u>9.80</u>	0	pipe material changes at this point to cast iron	01:45:13	125a	0
	<u>20.70</u>	0	service connection, at 10 o'clock	01:45:41	126a	0
	<u>80.50</u>	0	service connection, at 02 o'clock	01:47:08	127a	0
	<u>86.60</u>	0	service connection, at 12 o'clock	01:47:33	128a	0
	<u>97.40</u>	0	service connection, at 02 o'clock	01:48:12	129a	0
<u>142.40</u>	0	inspection ends at upstream manhole	01:50:20	130a	0	



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INSPECTION IMAGES

CITY: ST LOUIS, MO.	STREET: GRAND AVE.	DATE: 05/18/2007	SECTION NR: 16	SECTION NAME:
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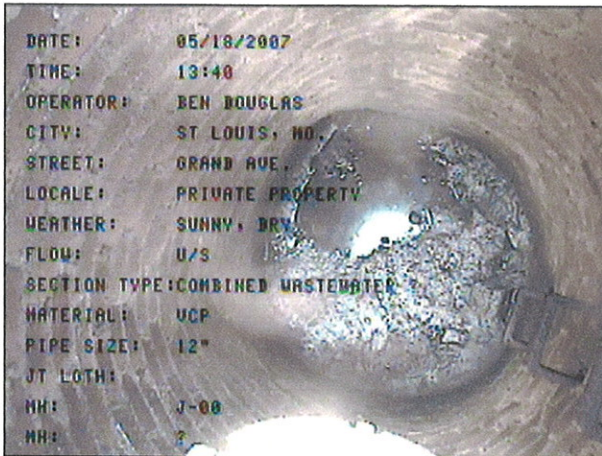


IMAGE: 124a, TAPE #: EMA-1, 01:43:05
OFT, inspection begins at downstream manhole

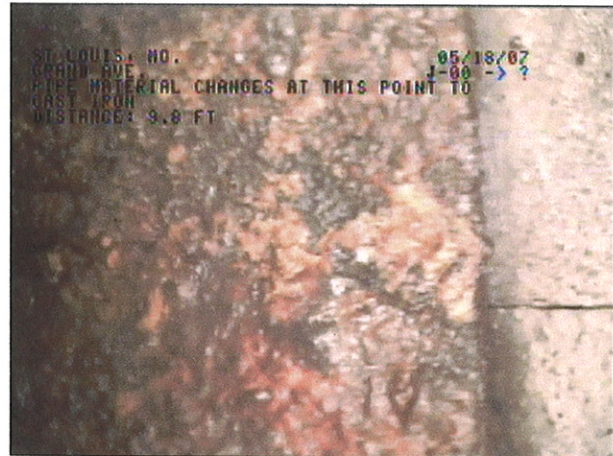


IMAGE: 125a, TAPE #: EMA-1, 01:45:13
9.8FT, pipe material changes at this point to cast iron

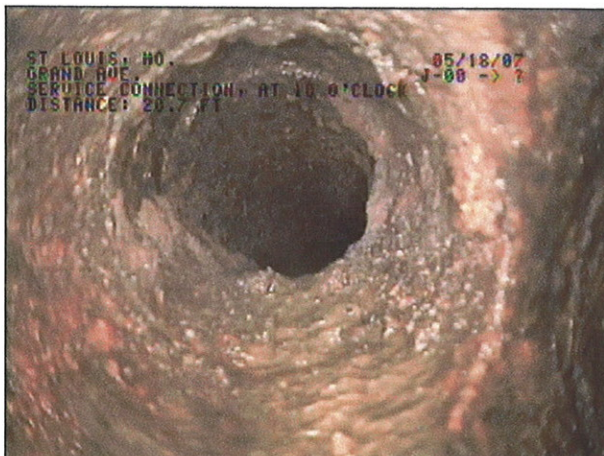


IMAGE: 126a, TAPE #: EMA-1, 01:45:41
20.7FT, service connection, at 10 o'clock

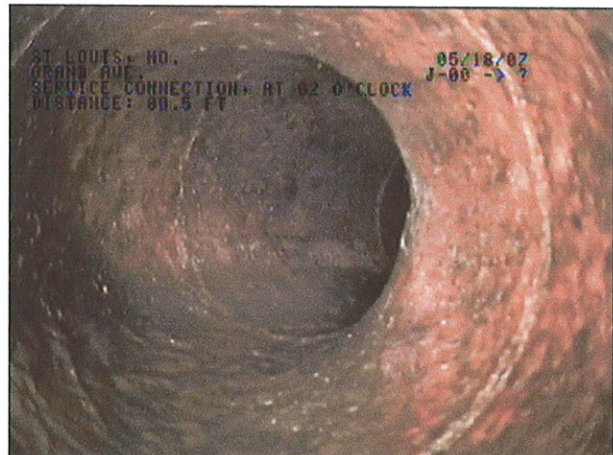


IMAGE: 127a, TAPE #: EMA-1, 01:47:08
80.5FT, service connection, at 02 o'clock



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INSPECTION IMAGES

CITY: ST LOUIS, MO.	STREET: GRAND AVE.	DATE: 05/18/2007	SECTION NR: 16	SECTION NAME:
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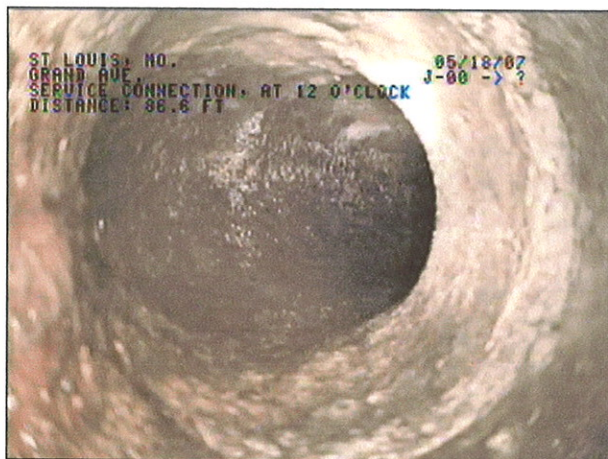


IMAGE: 128a, TAPE #: EMA-1, 01:47:33
86.6FT, service connection, at 12 o'clock



IMAGE: 129a, TAPE #: EMA-1, 01:48:12
97.4FT, service connection, at 02 o'clock



IMAGE: 130a, TAPE #: EMA-1, 01:50:20
142.4FT, inspection ends at upstream manhole



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INSPECTION REPORT


DATE: 05/18/2007	WORK #: 300939-171	WEATHER: sunny, dry	OPERATOR: BEN DOUGLAS	SECTION NR: 17	SECTION NAME:
PRESENT: CHRIS TEDDER FROM MACTEC	VEHICLE: TV128	CAMERA: PAN/TILT/ZOOM	PRESET: 5	CLEANED:	RATE: 260

STREET: GRAND AVE.	MAP #1:	MH: A-00
CITY: ST LOUIS, MO.	MAP #2:	MH: E7-01
LOCALE: private property	TAPE #: EMA-1	TV'D LGTH: 143.1 ft

INSPECT REASON: gen. condition	PIPE SIZE: 12"
SECTION TYPE: combined wastewater ?	MATERIAL: VCP JT LGTH:
AREA:	LINING:
	RSRVD:

REMARK: CARTER CARBURETOR SITE

1:350	POSITION	CODE	OBSERVATION	VCR #	PH	RATE
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	A-00	<u>0.00</u>	0	inspection begins at downstream manhole	01:50:37	131a	0	
		<u>6.80</u>	S1	130	encrustation at joint, from 12 to 12 o'clock light, START	01:52:53	132a	1
		<u>22.70</u>		0	pipe bends right	01:53:22		0
		<u>59.70</u>		0	pipe bends left	01:54:11		0
		<u>73.40</u>		0	pipe bends right	01:54:34		0
		<u>82.90</u>		0	Circumferential Crack, from 03 to 06 o'clock	01:55:11	136a	2
		<u>91.50</u>		0	pipe bends left	01:55:33		0
		<u>126.50</u>	E1	130	encrustation at joint, from 12 to 12 o'clock light, END	01:57:09	138a	1
	E7-01	<u>143.10</u>		0	inspection ends at upstream manhole	01:58:31	139a	0



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INSPECTION IMAGES

CITY:
ST LOUIS, MO.

STREET:
GRAND AVE.

DATE:
05/18/2007

SECTION NR:
17

SECTION NAME:

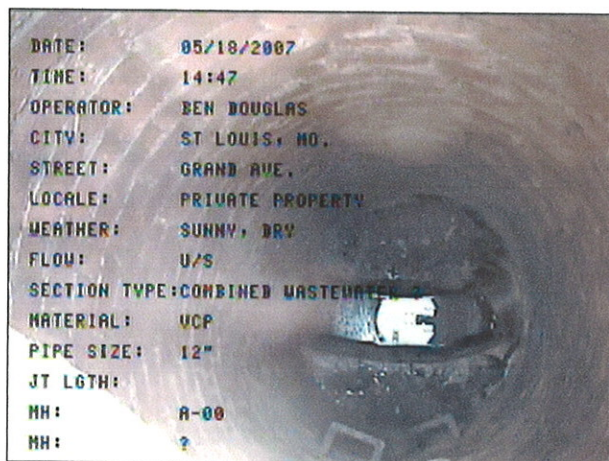


IMAGE: 131a, TAPE #: EMA-1, 01:50:37
OFT, inspection begins at downstream manhole



IMAGE: 132a, TAPE #: EMA-1, 01:52:53
6.8FT, encrustation at joint, from 12 to 12 o'clock light, START

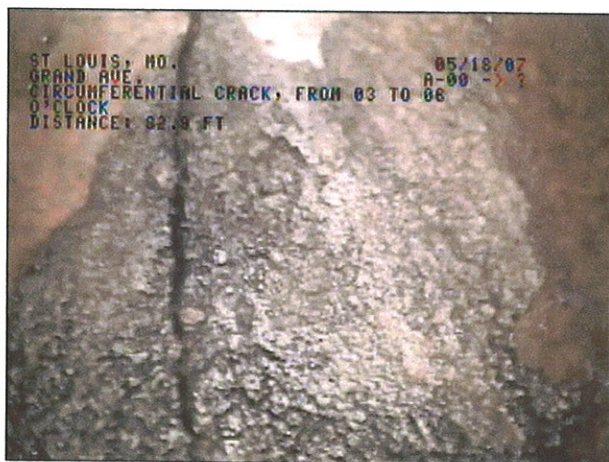


IMAGE: 136a, TAPE #: EMA-1, 01:55:11
82.9FT, Circumferential Crack, from 03 to 06 o'clock

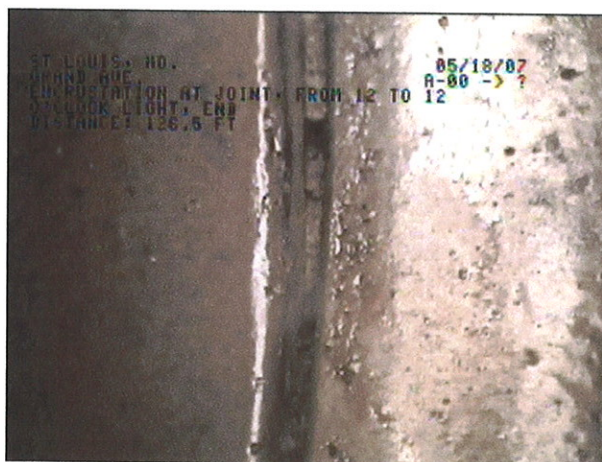


IMAGE: 138a, TAPE #: EMA-1, 01:57:09
126.5FT, encrustation at joint, from 12 to 12 o'clock light, END



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INSPECTION IMAGES

CITY:
ST LOUIS, MO.

STREET:
GRAND AVE.

DATE:
05/18/2007

SECTION NR:
17

SECTION NAME:

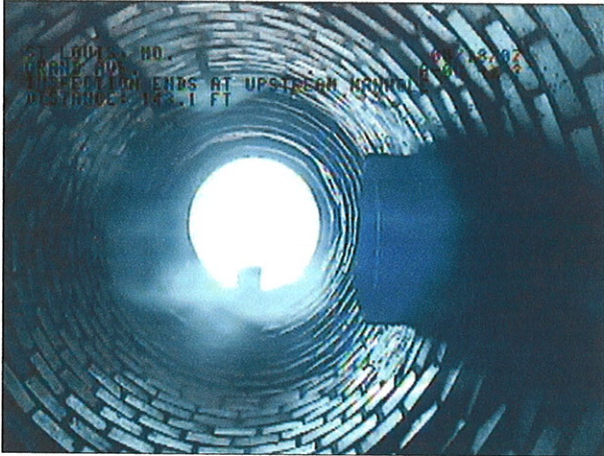


IMAGE: 139a, TAPE #: EMA-1, 01:58:31
143.1FT, inspection ends at upstream manhole



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INSPECTION REPORT

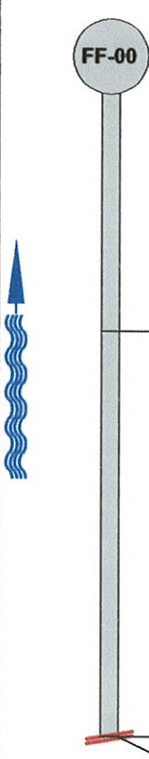
DATE: 05/21/2007	WORK #: 300939-171	WEATHER: sunny, dry	OPERATOR: BEN DOUGLAS	SECTION NR: 18	SECTION NAME:
PRESENT: CHRIS TEDDER FROM	VEHICLE: TV128	CAMERA: PAN/TILT/ZOOM	PRESET: 5	CLEANED:	RATE: 0

MACTEC

STREET: GRAND AVE.	MAP #1:	MH: FF-00
CITY: ST LOUIS, MO.	MAP #2:	MH: ?
LOCALE: private property	TAPE #: EMA-1	TV'D LGTH: 22.2 ft

INSPECT REASON: gen. condition	PIPE SIZE: 12"
SECTION TYPE: combined wastewater ?	MATERIAL: VCP JT LGTH:
AREA:	LINING:
	RSRVD:

REMARK: CARTER CARBURETOR SITE

1:75	POSITION	CODE	OBSERVATION	VCR #	PH	RATE
	0.00	0	inspection begins at downstream manhole	01:58:57	140a	0
	9.00	0	pipe material changes at this point to cast iron	02:01:36	141a	0
	22.20	0	pipe bends right	02:02:12	142a	0
	22.20	0	camera blocked, inspection abandoned	02:02:29	143a	0



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INSPECTION IMAGES

CITY: ST LOUIS, MO.	STREET: GRAND AVE.	DATE: 05/21/2007	SECTION NR: 18	SECTION NAME:
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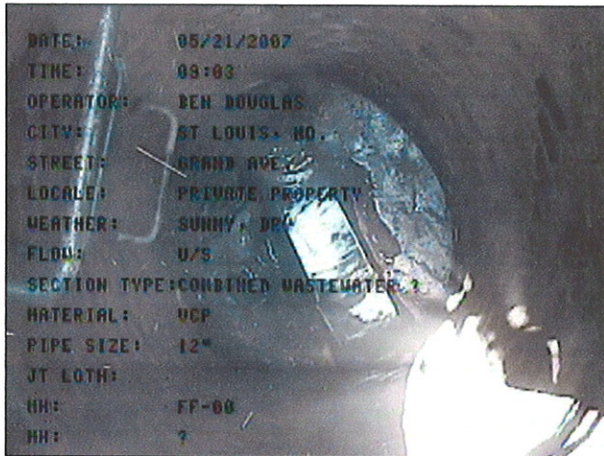


IMAGE: 140a, TAPE #: EMA-1, 01:58:57
OFT, inspection begins at downstream manhole



IMAGE: 141a, TAPE #: EMA-1, 02:01:36
9FT, pipe material changes at this point to cast iron

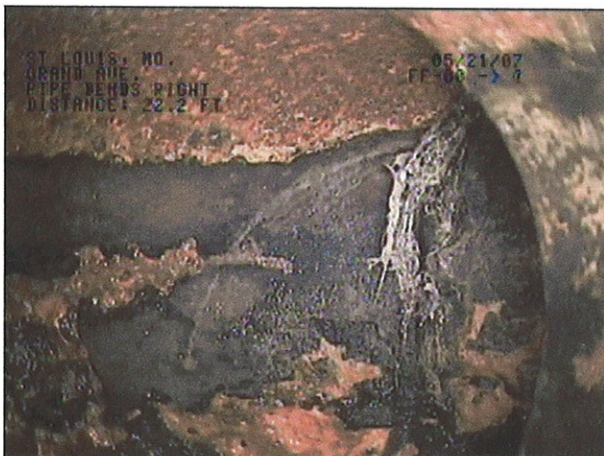


IMAGE: 142a, TAPE #: EMA-1, 02:02:12
22.2FT, pipe bends right



IMAGE: 143a, TAPE #: EMA-1, 02:02:29
22.2FT, camera blocked, inspection abandoned



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INSPECTION REPORT

DATE: 05/22/2007	WORK #: 300939-171	WEATHER: sunny, dry	OPERATOR: BEN DOUGLAS	SECTION NR: 19	SECTION NAME:
PRESENT: CHRIS TEDDER FROM	VEHICLE: TV128	CAMERA: PAN/TILT/ZOOM	PRESET: 5	CLEANED:	RATE: 1160

MACTEC

STREET: GRAND AVE.	MAP #1:	MH: AA-00
CITY: ST LOUIS, MO.	MAP #2:	MH: D6-01
LOCALE: private property	TAPE #: EMA-1	TV'D LGTH: 125.4 ft

INSPECT REASON: gen. condition	PIPE SIZE: 12"
SECTION TYPE: combined wastewater ?	MATERIAL: VCP JT LGTH:
AREA:	LINING:
	RSRVD:

REMARK: CARTER CARBURETOR SITE

1:325	POSITION	CODE	OBSERVATION	VCR #	PH	RATE
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AA-00	0.00	0	inspection begins at downstream manhole	02:02:29	144a	0
	8.80	0	pipe bends right	02:04:53		0
	11.50	500	pipe broken at joint, from 08 to 10 o'clock	02:05:11	146a	3
	17.00	0	pipe bends left	02:05:33		0
	29.00	0	pipe bends right	02:06:15		0
	39.00	160	service connection defective, at 09 o'clock	02:06:38	149a	1
	62.90	250	intruding break-in-connection, at 02 o'clock	02:07:31	150a, b	2
	64.00	250	intruding break-in-connection, at 10 o'clock	02:08:00	151a, b	2
	93.30	0	pipe bends right	02:08:48		0
	97.80	0	pipe bends left	02:08:58		0
	110.70	0	pipe bends right	02:09:17		0
	120.30	0	pipe bends right	02:09:32		0
D6-01	125.40	0	inspection ends at upstream manhole	02:10:22	156a	0



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INSPECTION IMAGES

CITY:
ST LOUIS, MO.

STREET:
GRAND AVE.

DATE:
05/22/2007

SECTION NR:
19

SECTION NAME:

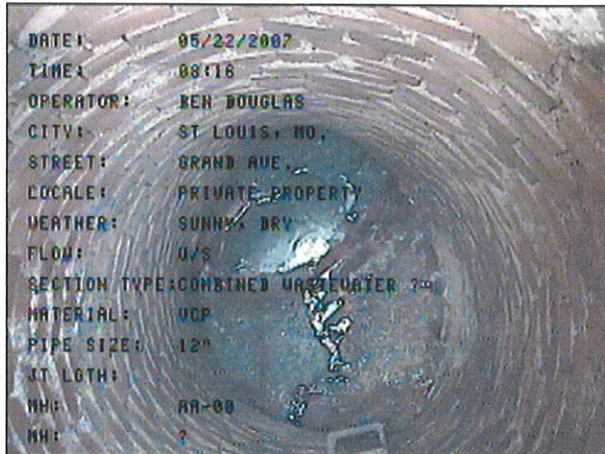


IMAGE: 144a, TAPE #: EMA-1, 02:02:29
OFT, inspection begins at downstream manhole



IMAGE: 146a, TAPE #: EMA-1, 02:05:11
11.5FT, pipe broken at joint, from 08 to 10 o'clock



IMAGE: 149a, TAPE #: EMA-1, 02:06:38
39FT, service connection defective, at 09 o'clock



IMAGE: 150a, TAPE #: EMA-1, 02:07:31
62.9FT, intruding break-in-connection, at 02 o'clock



INSPECTION IMAGES

CITY: ST LOUIS, MO.	STREET: GRAND AVE.	DATE: 05/22/2007	SECTION NR: 19	SECTION NAME:
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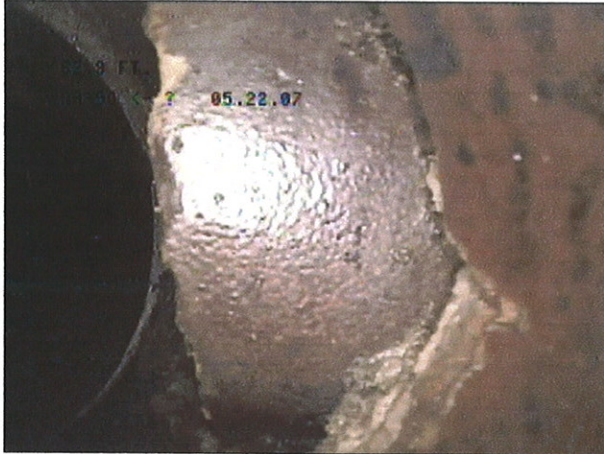


IMAGE: 150b, TAPE #: EMA-1, 02:07:31
62.9FT, intruding break-in-connection, at 02 o'clock

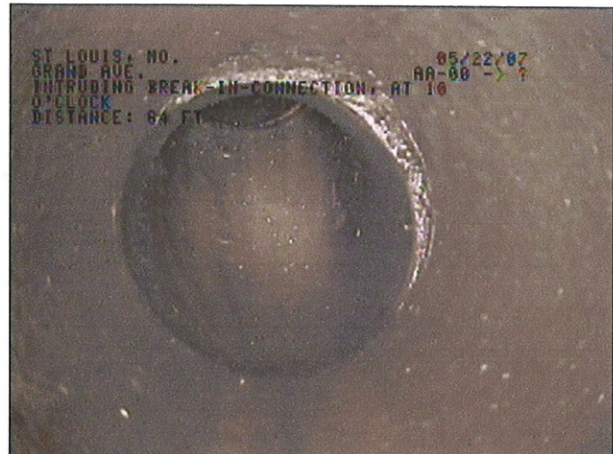


IMAGE: 151a, TAPE #: EMA-1, 02:08:00
64FT, intruding break-in-connection, at 10 o'clock

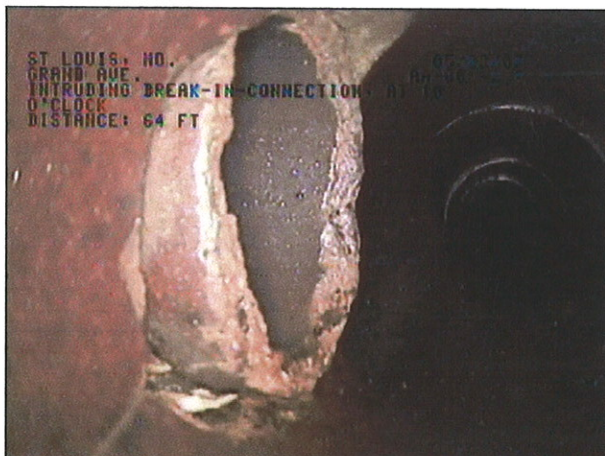


IMAGE: 151b, TAPE #: EMA-1, 02:08:00
64FT, intruding break-in-connection, at 10 o'clock



IMAGE: 156a, TAPE #: EMA-1, 02:10:22
125.4FT, inspection ends at upstream manhole



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INSPECTION REPORT

DATE: 05/22/2007	WORK #: 300939-171	WEATHER: sunny, dry	OPERATOR: BEN DOUGLAS	SECTION NR: 20	SECTION NAME:
PRESENT: CHRIS TEDDER FROM	VEHICLE: TV128	CAMERA: PAN/TILT/ZOOM	PRESET: 5	CLEANED:	RATE: 1840

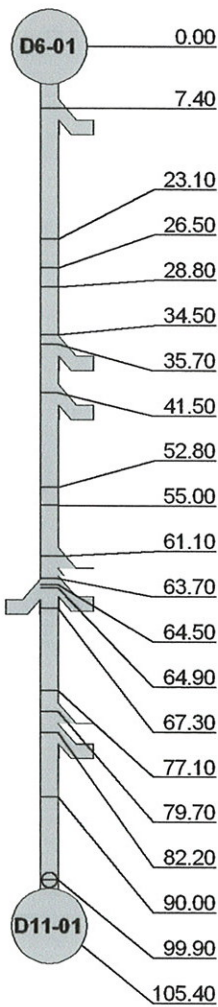
MACTEC

STREET: GRAND AVE.	MAP #1:	MH: D6-01
CITY: ST LOUIS, MO.	MAP #2:	MH: D11-01
LOCALE: private property	TAPE #: EMA-1	TV'D LGTH: 105.4 ft

INSPECT REASON: gen. condition	PIPE SIZE: 12"
SECTION TYPE: combined wastewater ?	MATERIAL: VCP JT LGTH:
AREA:	LINING:
	RSRVD:

REMARK: CARTER CARBURETOR SITE

1:275	POSITION	CODE	OBSERVATION	VCR #	PH	RATE
	0.00	0	inspection begins at downstream manhole	02:10:24	157a	0
	7.40	0	service connection, at 10 o'clock	02:11:07	158a	0
	23.10	0	pipe bends right	02:11:37	159a	0
	26.50	300	Longitudinal Crack at joint, at 12 o'clock	02:12:00	160a	3
	28.80	0	pipe bends left	02:12:13		0
	34.50	0	pipe bends right	02:12:27		0
	35.70	250	intruding break-in-connection, at 10 o'clock	02:12:37	163a, b	2
	41.50	160	service connection defective, at 09 o'clock	02:13:00	164a	1
	52.80	400	Multiple Cracks at joint, from 02 to 05 o'clock	02:13:30	165a	3
	55.00	0	pipe bends left	02:13:42		0
	61.10	160	break-in-connection, at 10 o'clock	02:14:03	167a, b	1
	63.70	160	break-in-connection, at 10 o'clock	02:14:26	168a, b	1
	64.50	0	service connection capped, at 10 o'clock	02:14:44	169a	0
	64.90	250	intruding break-in-connection, at 02 o'clock	02:14:58	170a, b	2
	67.30	0	pipe bends right	02:15:17		0
	77.10	0	pipe bends left	02:15:33		0
	79.70	0	service connection, at 10 o'clock	02:15:50	173a	0
	82.20	160	service connection defective, at 10 o'clock	02:16:06	174a	1
	90.00	0	pipe bends right	02:16:24		0
	99.90	0	service connection capped, at 12 o'clock	02:16:48	176a	0
	105.40	0	inspection ends at upstream manhole	02:17:55	177a	0





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INSPECTION IMAGES

CITY: ST LOUIS, MO.	STREET: GRAND AVE.	DATE: 05/22/2007	SECTION NR: 20	SECTION NAME:
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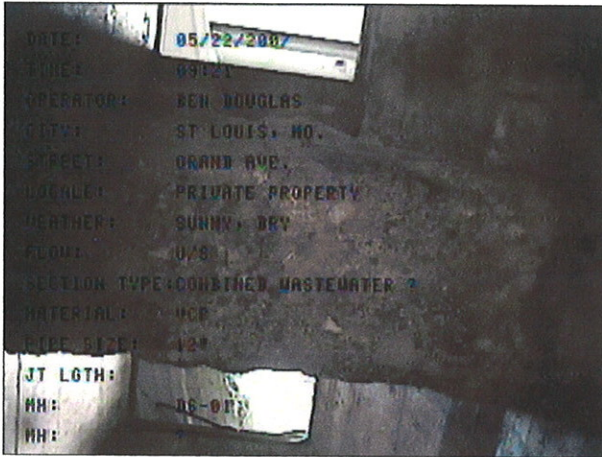


IMAGE: 157a, TAPE #: EMA-1, 02:10:24
0FT, inspection begins at downstream manhole

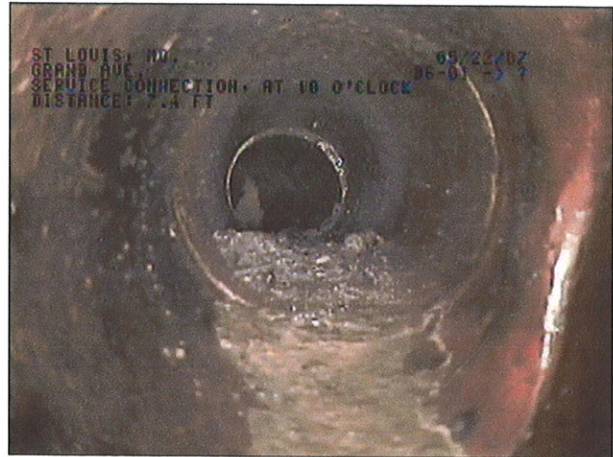


IMAGE: 158a, TAPE #: EMA-1, 02:11:07
7.4FT, service connection, at 10 o'clock

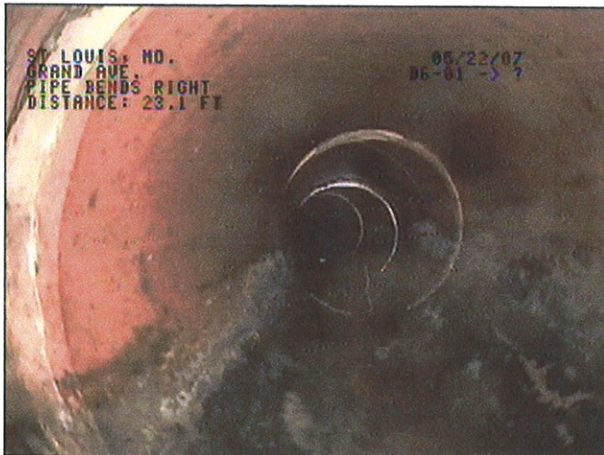


IMAGE: 159a, TAPE #: EMA-1, 02:11:37
23.1FT, pipe bends right

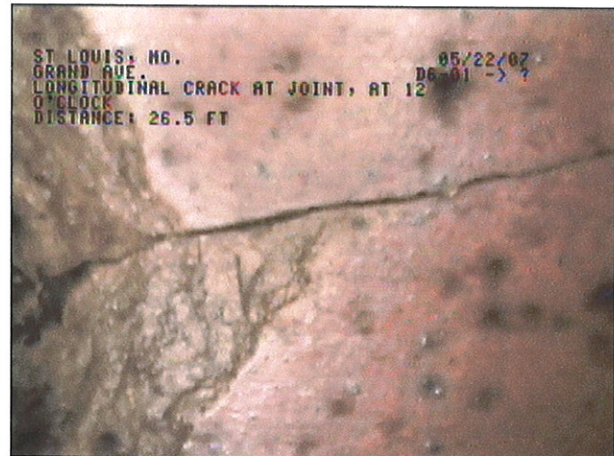


IMAGE: 160a, TAPE #: EMA-1, 02:12:00
26.5FT, Longitudinal Crack at joint, at 12 o'clock



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INSPECTION IMAGES

CITY: ST LOUIS, MO.	STREET: GRAND AVE.	DATE: 05/22/2007	SECTION NR: 20	SECTION NAME:
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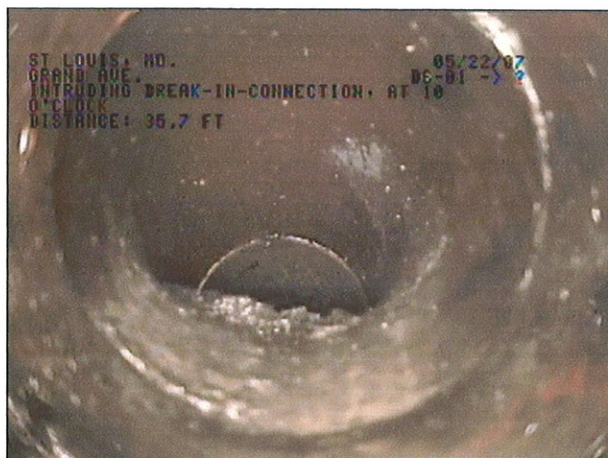


IMAGE: 163a, TAPE #: EMA-1, 02:12:37
35.7FT, intruding break-in-connection, at 10 o'clock

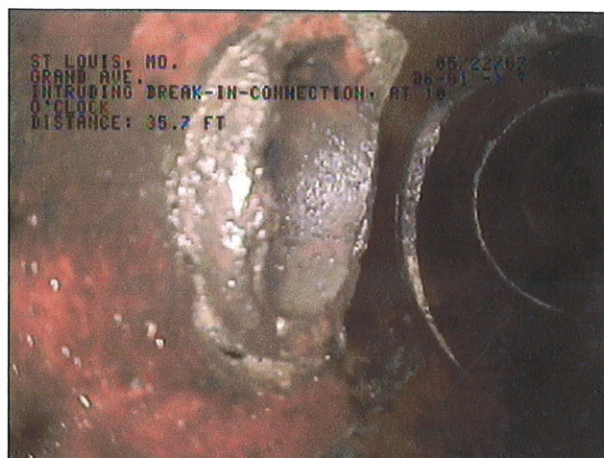


IMAGE: 163b, TAPE #: EMA-1, 02:12:37
35.7FT, intruding break-in-connection, at 10 o'clock



IMAGE: 164a, TAPE #: EMA-1, 02:13:00
41.5FT, service connection defective, at 09 o'clock

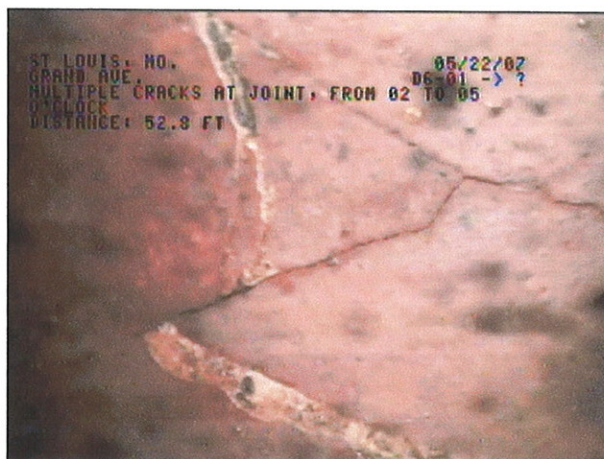


IMAGE: 165a, TAPE #: EMA-1, 02:13:30
52.8FT, Multiple Cracks at joint, from 02 to 05 o'clock



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INSPECTION IMAGES

CITY:
ST LOUIS, MO.

STREET:
GRAND AVE.

DATE:
05/22/2007

SECTION NR:
20

SECTION NAME:

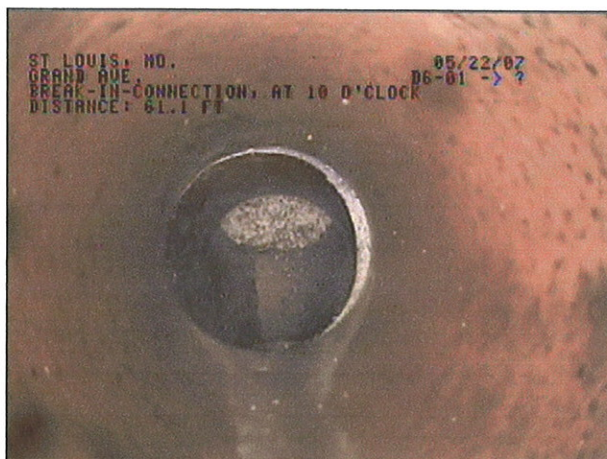


IMAGE: 167a, TAPE #: EMA-1, 02:14:03
61.1FT, break-in-connection, at 10 o'clock



IMAGE: 167b, TAPE #: EMA-1, 02:14:03
61.1FT, break-in-connection, at 10 o'clock

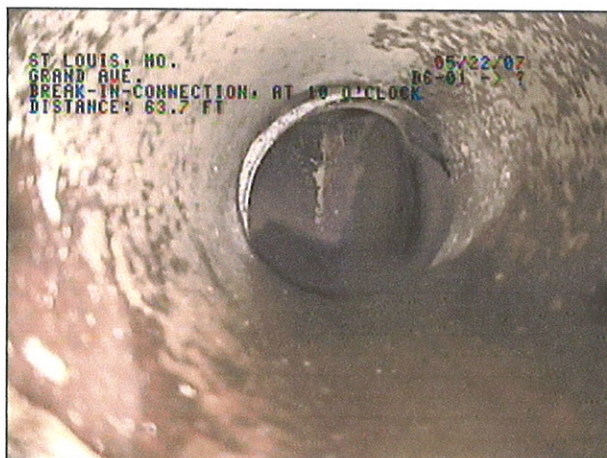


IMAGE: 168a, TAPE #: EMA-1, 02:14:26
63.7FT, break-in-connection, at 10 o'clock



IMAGE: 168b, TAPE #: EMA-1, 02:14:26
63.7FT, break-in-connection, at 10 o'clock



INSPECTION IMAGES

CITY:
ST LOUIS, MO.

STREET:
GRAND AVE.

DATE:
05/22/2007

SECTION NR:
20

SECTION NAME:



IMAGE: 169a, TAPE #: EMA-1, 02:14:44
64.5FT, service connection capped, at 10 o'clock

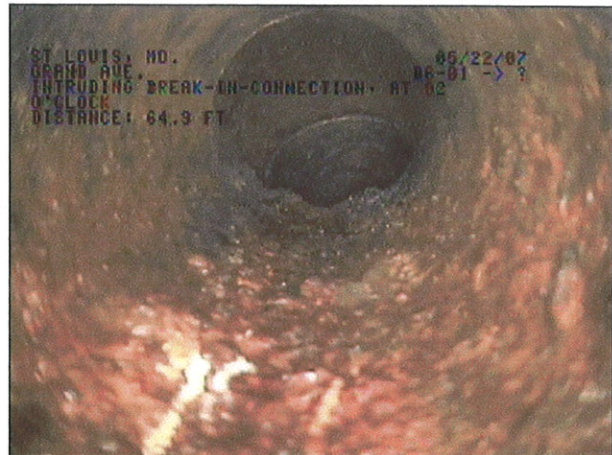


IMAGE: 170a, TAPE #: EMA-1, 02:14:58
64.9FT, intruding break-in-connection, at 02 o'clock

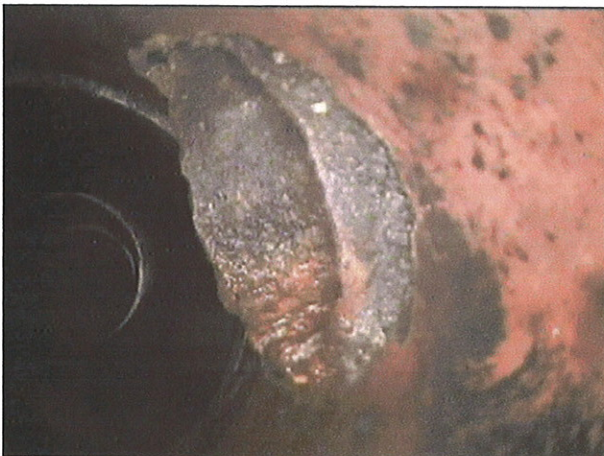


IMAGE: 170b, TAPE #: EMA-1, 02:14:58
64.9FT, intruding break-in-connection, at 02 o'clock

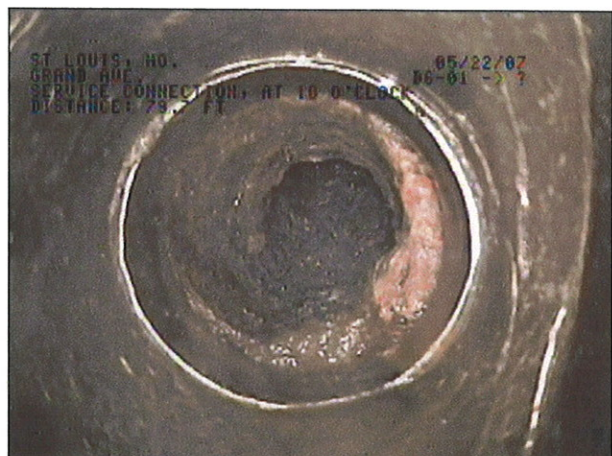


IMAGE: 173a, TAPE #: EMA-1, 02:15:50
79.7FT, service connection, at 10 o'clock



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INSPECTION IMAGES

CITY:
ST LOUIS, MO.

STREET:
GRAND AVE.

DATE:
05/22/2007

SECTION NR:
20

SECTION NAME:

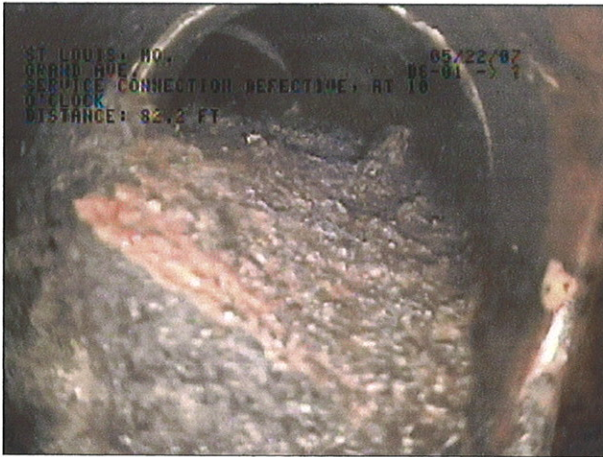


IMAGE: 174a, TAPE #: EMA-1, 02:16:06
82.2FT, service connection defective, at 10 o'clock

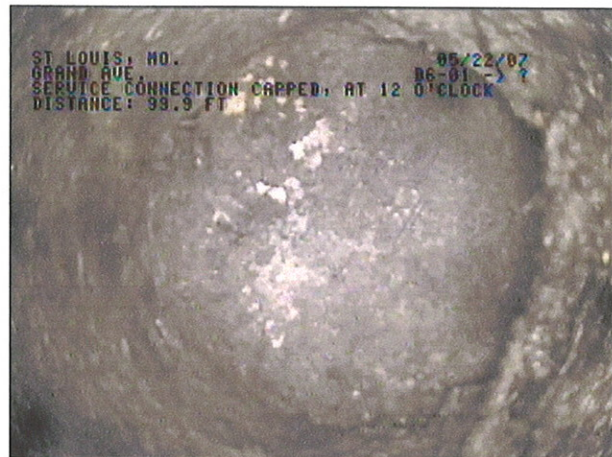


IMAGE: 176a, TAPE #: EMA-1, 02:16:48
99.9FT, service connection capped, at 12 o'clock

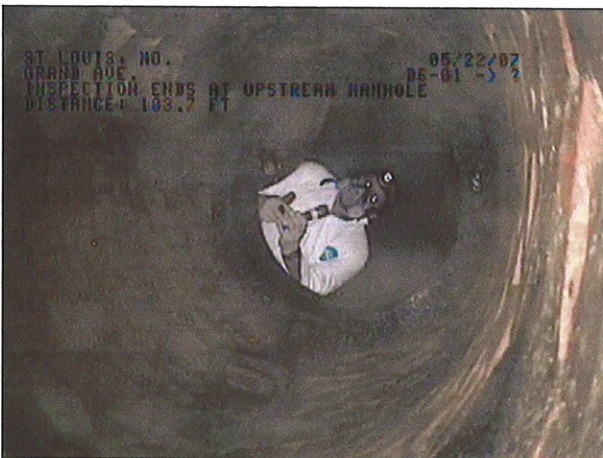


IMAGE: 177a, TAPE #: EMA-1, 02:17:55
103.4FT, inspection ends at upstream manhole



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INSPECTION REPORT

DATE: 05/24/2007	WORK #: 300939-171	WEATHER: sunny, dry	OPERATOR: BEN DOUGLAS	SECTION NR: 21	SECTION NAME:
PRESENT: CHRIS TEDDER FROM	VEHICLE: TV128	CAMERA: PAN/TILT/ZOOM	PRESET: 5	CLEANED:	RATE: 0

MACTEC

STREET: GRAND AVE.	MAP #1:	MH: E7-01
CITY: ST LOUIS, MO.	MAP #2:	MH: ?
LOCALE: private property	TAPE #: EMA-1	TV'D LGTH: 60.3 ft

INSPECT REASON: gen. condition	PIPE SIZE: 12"
SECTION TYPE: combined wastewater ?	MATERIAL: VCP JT LGTH:
AREA:	LINING:
	RSRVD:

REMARK: CARTER CARBURETOR SITE

1:150	POSITION	CODE	OBSERVATION	VCR #	PH	RATE
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	0.00	0	inspection begins at downstream manhole	02:17:52	178a	0
	13.20	0	service connection, at 09 o'clock	02:20:49	180a	0
	60.30	0	camera blocked, inspection abandoned	02:22:29	181a	0



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INSPECTION IMAGES

CITY:
ST LOUIS, MO.

STREET:
GRAND AVE.

DATE:
05/24/2007

SECTION NR:
21

SECTION NAME:

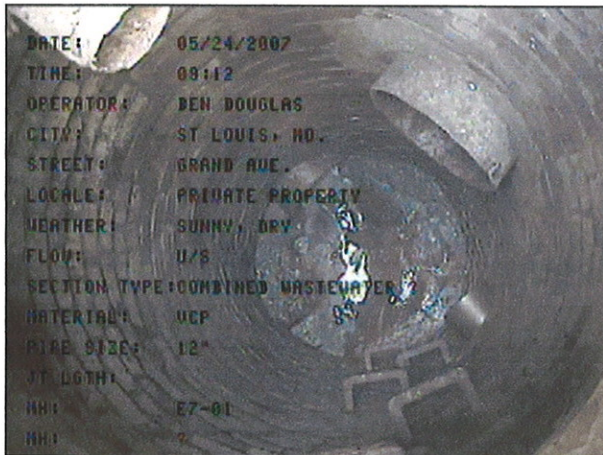


IMAGE: 178a, TAPE #: EMA-1, 02:17:52
OFT, inspection begins at downstream manhole

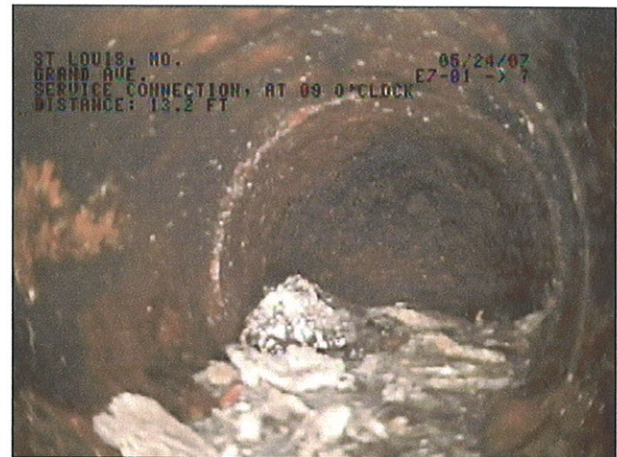


IMAGE: 180a, TAPE #: EMA-1, 02:20:49
13.2FT, service connection, at 09 o'clock



IMAGE: 181a, TAPE #: EMA-1, 02:22:29
60.3FT, camera blocked, inspection abandoned



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INSPECTION REPORT

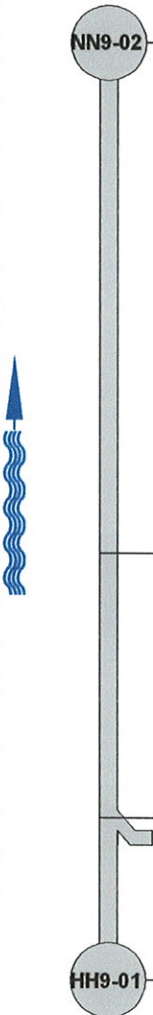
DATE: 05/29/2007	WORK #: 300939-171	WEATHER: sunny, dry	OPERATOR: BEN DOUGLAS	SECTION NR: 22	SECTION NAME:
PRESENT: CHRIS TEDDER FROM	VEHICLE: TV128	CAMERA: PAN/TILT/ZOOM	PRESET: 5	CLEANED:	RATE: 160

MACTEC

STREET: GRAND AVE.	MAP #1:	MH: NN9-02
CITY: ST LOUIS, MO.	MAP #2:	MH: HH9-01
LOCALE: private property	TAPE #: EMA-1	TV'D LGTH: 81.8 ft

INSPECT REASON: gen. condition	PIPE SIZE: 12"
SECTION TYPE: combined wastewater ?	MATERIAL: cast iron JT LGTH:
AREA:	LINING:
	RSRVD:

REMARK: CARTER CARBURETOR SITE

1:200	POSITION	CODE	OBSERVATION	VCR #	PH	RATE
	0.00	0	inspection begins at downstream manhole	02:22:35	182a	0
	44.50	0	pipe bends right	02:24:49		0
	67.70	160	service connection defective, at 09 o'clock	02:25:30	184a	1
	81.80	0	inspection ends at upstream manhole	02:26:55	185a	0



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INSPECTION IMAGES

CITY: ST LOUIS, MO.	STREET: GRAND AVE.	DATE: 05/29/2007	SECTION NR: 22	SECTION NAME:
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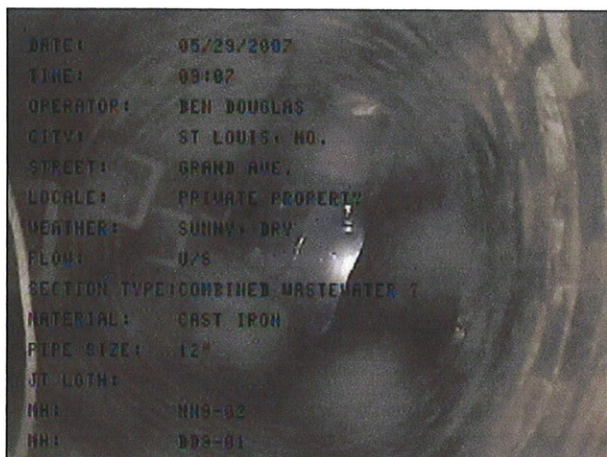


IMAGE: 182a, TAPE #: EMA-1, 02:22:35
0FT, inspection begins at downstream manhole



IMAGE: 184a, TAPE #: EMA-1, 02:25:30
67.7FT, service connection defective, at 09 o'clock

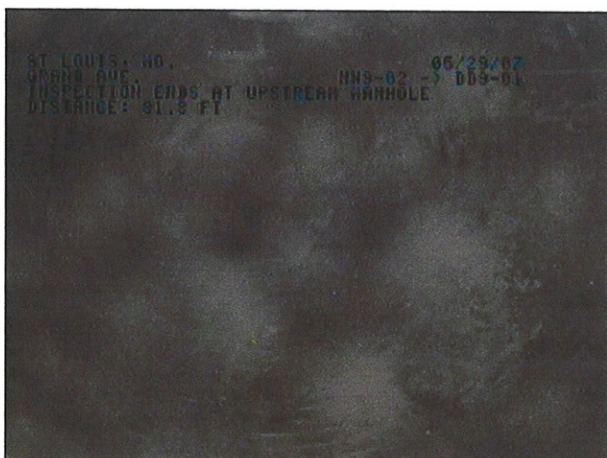


IMAGE: 185a, TAPE #: EMA-1, 02:26:55
81.8FT, inspection ends at upstream manhole



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INSPECTION REPORT

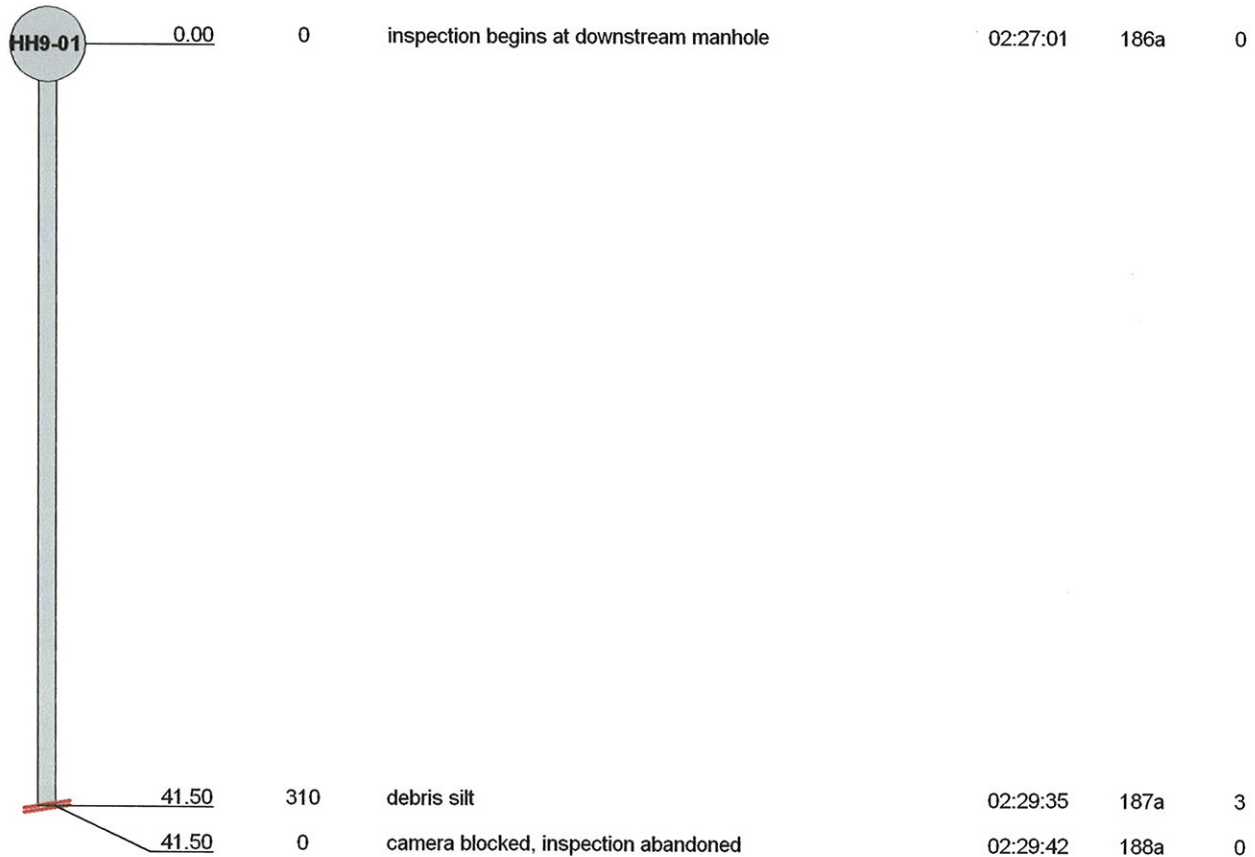
DATE: 05/29/2007	WORK #: 300939-171	WEATHER: sunny, dry	OPERATOR: BEN DOUGLAS	SECTION NR: 23	SECTION NAME:
PRESENT: CHRIS TEDDER FROM	VEHICLE: TV128	CAMERA: PAN/TILT/ZOOM	PRESET: 5	CLEANED:	RATE: 310

STREET:	GRAND AVE.	MAP #1:	MH:	HH9-01
CITY:	ST LOUIS, MO.	MAP #2:	MH:	DD9-01
LOCALE:	private property	TAPE #:	EMA-1	TV'D LGTH: 41.5 ft

INSPECT REASON:	gen. condition	PIPE SIZE:	12"
SECTION TYPE:	combined wastewater ?	MATERIAL:	cast iron JT LGTH:
AREA:		LINING:	
		RSRVD:	

REMARK: CARTER CARBURETOR SITE

1:125	POSITION	CODE	OBSERVATION	VCR #	PH	RATE
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INSPECTION IMAGES

CITY:
ST LOUIS, MO.

STREET:
GRAND AVE.

DATE:
05/29/2007

SECTION NR:
23

SECTION NAME:

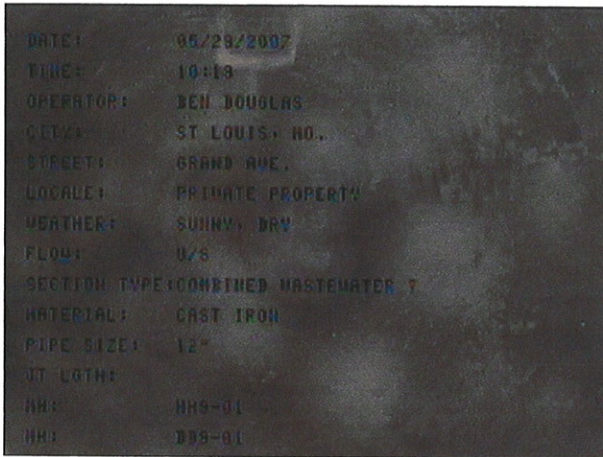


IMAGE: 186a, TAPE #: EMA-1, 02:27:01
OFT, inspection begins at downstream manhole



IMAGE: 187a, TAPE #: EMA-1, 02:29:35
41.5FT, debris silt



IMAGE: 188a, TAPE #: EMA-1, 02:29:42
41.5FT, camera blocked, inspection abandoned



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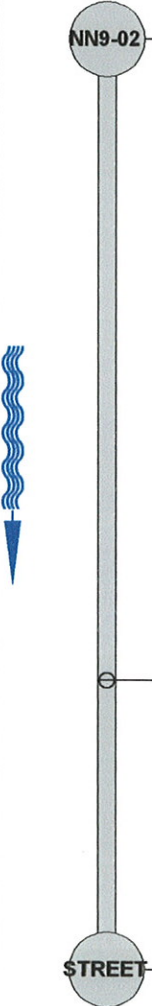
INSPECTION REPORT

DATE: 05/29/2007	WORK #: 300939-171	WEATHER: sunny, dry	OPERATOR: BEN DOUGLAS	SECTION NR: 24	SECTION NAME:
PRESENT: CHRIS TEDDER FROM MACTEC	VEHICLE: TV128	CAMERA: PAN/TILT/ZOOM	PRESET: 5	CLEANED:	RATE: 0

STREET: GRAND AVE.	MAP #1:	MH: NN9-02
CITY: ST LOUIS, MO.	MAP #2:	MH: STREET
LOCALE: private property	TAPE #: EMA-1	TV'D LGTH: 81.1 ft

INSPECT REASON: gen. condition	PIPE SIZE: 12"
SECTION TYPE: combined wastewater ?	MATERIAL: cast iron JT LGTH:
AREA:	LINING:
	RSRVD:

REMARK: CARTER CARBURETOR SITE

1:200	POSITION	CODE	OBSERVATION	VCR #	PH	RATE
	0.00	0	inspection begins at upstream manhole	02:29:42	189a	0
	55.90	0	service connection, at 12 o'clock	02:33:32	190a	0
	81.10	0	inspection ends at clean-out	02:36:14	191a	0



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INSPECTION IMAGES

CITY:
ST LOUIS, MO.

STREET:
GRAND AVE.

DATE:
05/29/2007

SECTION NR:
24

SECTION NAME:

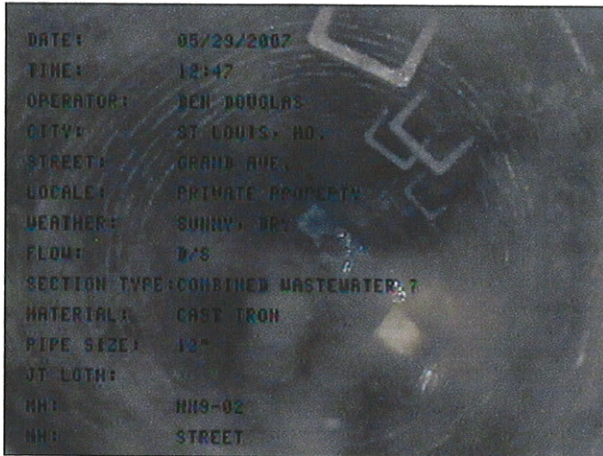


IMAGE: 189a, TAPE #: EMA-1, 02:29:42
OFT, inspection begins at upstream manhole

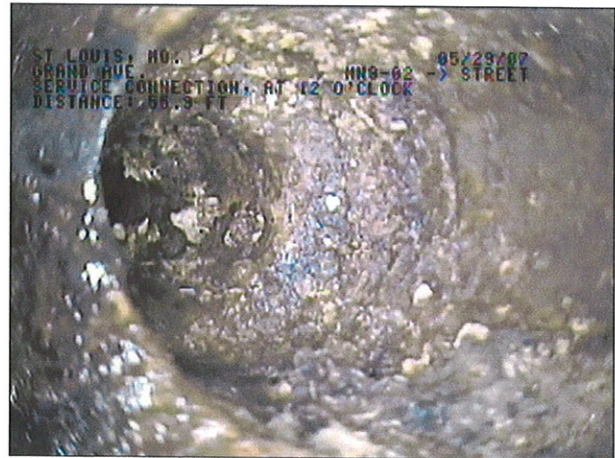


IMAGE: 190a, TAPE #: EMA-1, 02:33:32
55.9FT, service connection, at 12 o'clock

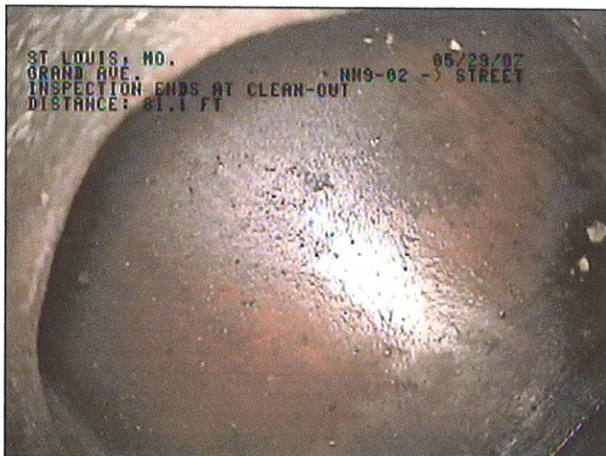


IMAGE: 191a, TAPE #: EMA-1, 02:36:14
81.1FT, inspection ends at clean-out



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INSPECTION REPORT

DATE: 05/30/2007	WORK #: 300939-171	WEATHER: sunny, dry	OPERATOR: BEN DOUGLAS	SECTION NR: 25	SECTION NAME:
PRESENT: CHRIS TEDDER FROM	VEHICLE: TV128	CAMERA: PAN/TILT/ZOOM	PRESET: 5	CLEANED:	RATE: 0

MACTEC

STREET: GRAND AVE.	MAP #1:	MH: GG-19
CITY: ST LOUIS, MO.	MAP #2:	MH: GG-18
LOCALE: private property	TAPE #: EMA-1	TV'D LGTH: 12.4 ft

INSPECT REASON: gen. condition	PIPE SIZE: 12"
SECTION TYPE: combined wastewater ?	MATERIAL: VCP JT LGTH:
AREA:	LINING:
	RSRVD:

REMARK: CARTER CABRUETOR SITE

1:50	POSITION	CODE	OBSERVATION	VCR #	PH	RATE
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GG-19	0.00	0	inspection begins at downstream manhole	02:36:24	192a	0
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GG-18	12.40	0	inspection ends at upstream manhole	02:39:25	193a	0
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INSPECTION IMAGES

CITY:
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STREET:
GRAND AVE.

DATE:
05/30/2007

SECTION NR:
25

SECTION NAME:

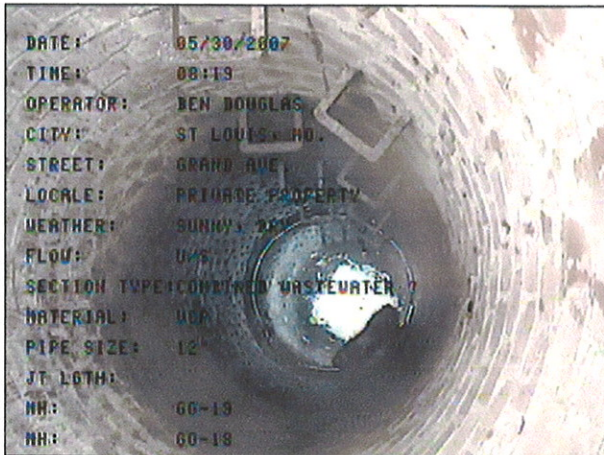


IMAGE: 192a, TAPE #: EMA-1, 02:36:24
OFT, inspection begins at downstream manhole

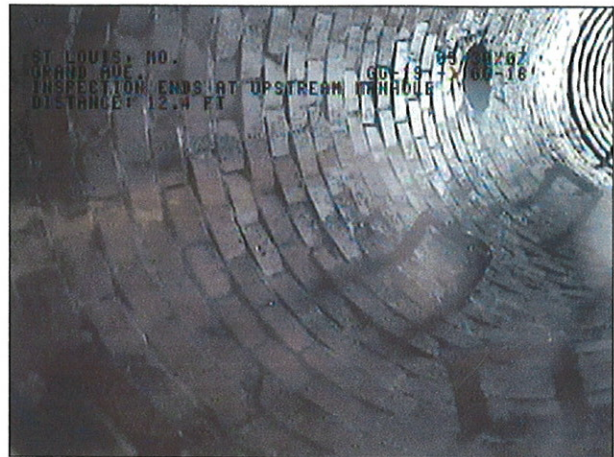


IMAGE: 193a, TAPE #: EMA-1, 02:39:25
12.4FT, inspection ends at upstream manhole