DYNAMIC DRAIN
TECHNOLOGIES
PIPELINING PROFESSIONALS

Washington Post Infrastructure Intelligence Study

A Infrastucture Inteligence or Sanitary Sewer Evaluation Study (SSES) is a technological method of scoring piping defects within sewer infrastructure. This top down method incorporates: surveys, pipe inspections, and evaluation concepts into a turnkey, professional service delivering detailed, conditional assessments for any major collection system. Our analytical process digitally overlays pipe locations with each pipes' conditional data points to provide a concise, quantifiable survey - scored relative to the risk of the infrastructure failing. This information will prove to be an invaluable tool for assessing and planning both short and long-term infrastructure rehabilitation projects.

Defect Scoring Legend 1. Excellent: minor defects 2. Good: has not begun to deteriorate 3. Moderately poor: deterioration becoming evident with maintenance required in near future 4. Very poor: will become Grade 5 in the near future 5. Immediate attention required: structural failure is imminent or has occurred. NOTE: SOME INSPECTIONS TERMINATED DUE TO CONSTRUCTIONAL, OPERATIONAL, AND/OR MAINTENANCE DEFECTS.

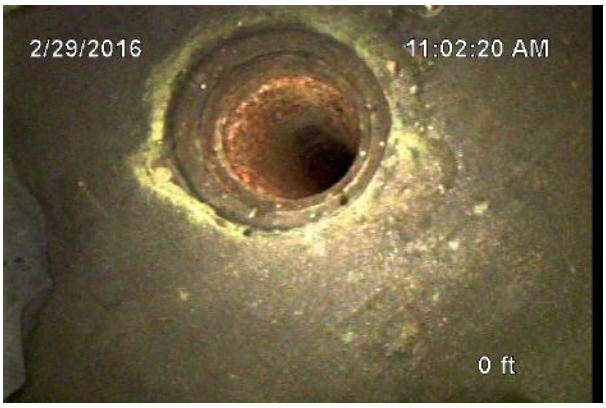
CLEANOUT A-B

Pipe Material & Diameter: 4" Cast Iron

Length of Inspection: 46'

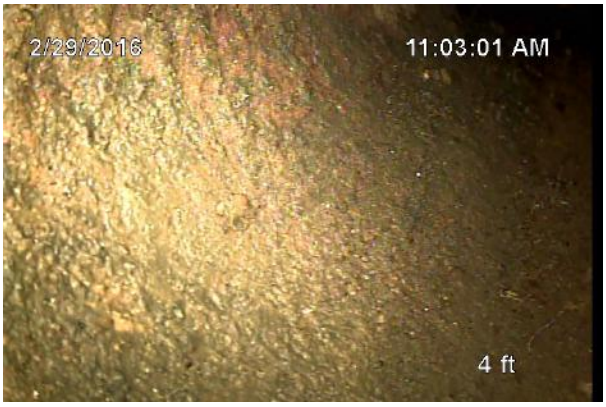
Direction of Inspection: Downstream

Defect Grade Score: (5) Immediate attention needed.



2/29/2016 11:02:20 AM 0 ft

Access cleanout A. Start inspection.

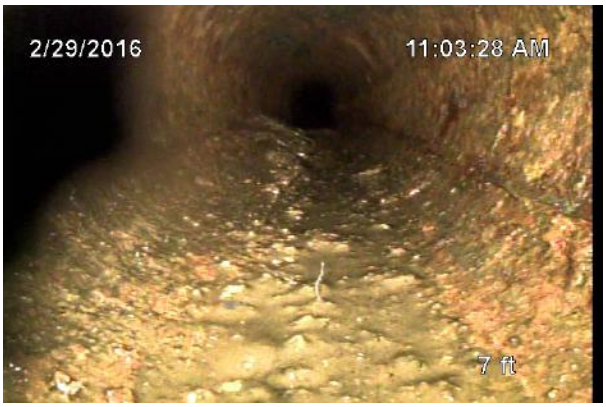


2/29/2016 11:03:01 AM 4 ft

90 degree bend

2/29/2016 11:03:15 AM 5 ft

CL - Linear crack

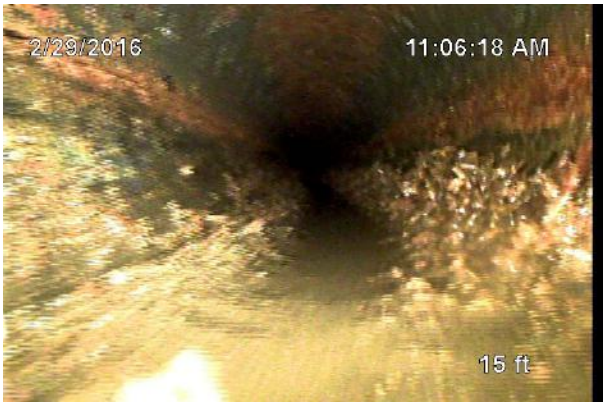


2/29/2016 11:03:29 AM 7 ft

Debris

2/29/2016 11:05:53 AM 9 ft

CL - Linear crack



2/29/2016 11:06:19 AM 15 ft

SCP - surface corrosion and debris present - continuous.

2/29/2016 11:06:49 AM 20 ft

4" Connection 3 oclock.

2/29/2016 11:07:09 AM 23 ft

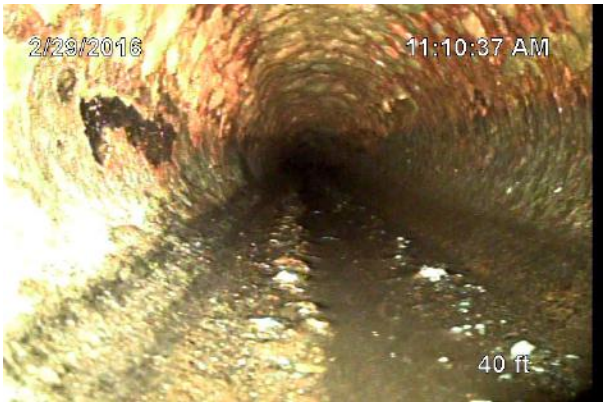
SCP - surface corrosion and debris present - end continuous.

2/29/2016 11:10:08 AM 37 ft

CL - Linear crack D-Debris

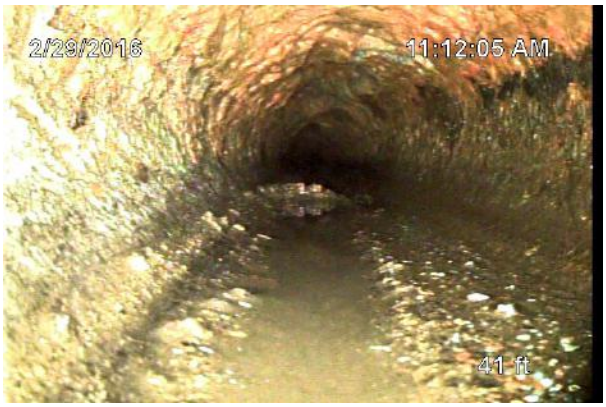
2/29/2016 11:10:26 AM 39 ft

D-Debris



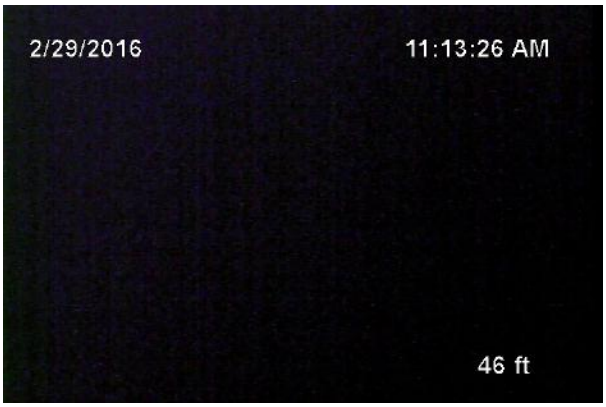
2/29/2016 11:10:37 AM 40 ft

SRI - surface roughness increasing



2/29/2016 11:12:05 AM 41 ft

DNZ - deposits attached > 20% of pipe diameter.



2/29/2016 11:13:26 AM 46 ft

End inspection. MSA - survey abandoned due to deposits attached and corrosion preventing further camera progress.

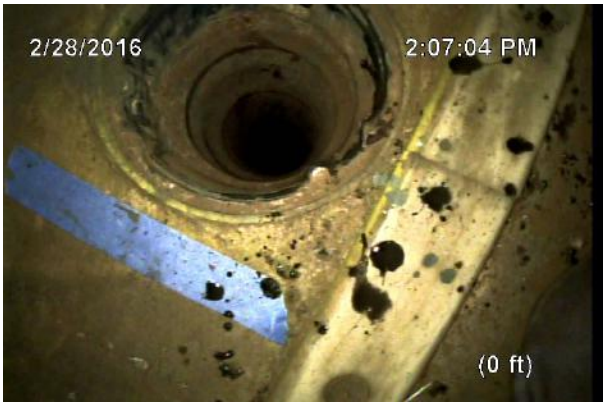
CLEANOUT B-C

Pipe Material & Diameter: 6" Cast iron

Length of Inspection: 80'

Direction of Inspection: Downstream

Defect Grade Score: (4) Very Poor



2/28/2016 2:07:05 PM 0 ft

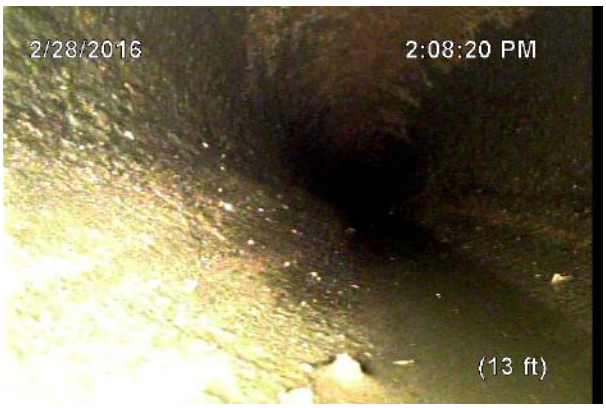
Access cleanout B. Start Inspection.

2/28/2016 2:07:42 PM 6 ft

Diameter transition from 4" to 6".

2/28/2016 2:07:52 PM 7 ft

SCP - surface corrosion present - continuous. 4" Connection



2/28/2016 2:08:21 PM 13 ft

SRI - surface roughness increasing

2/28/2016 2:09:06 PM 21 ft

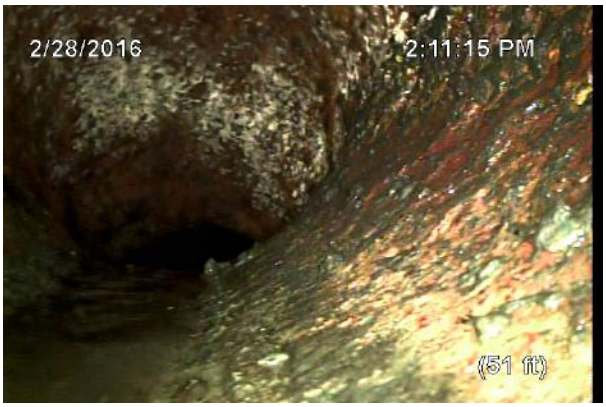
4" Connection.

2/28/2016 2:10:07 PM 37 ft

Belly.

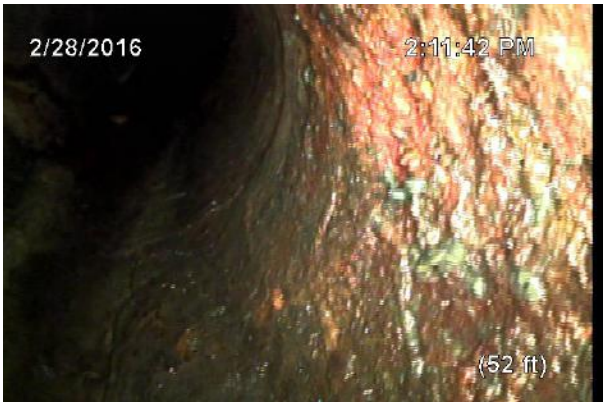
2/28/2016 2:10:26 PM 40 ft

DNZ - general observation of deposits attached.



2/28/2016 2:11:16 PM 51 ft

45 degree bend



2/28/2016 2:11:42 PM 52 ft

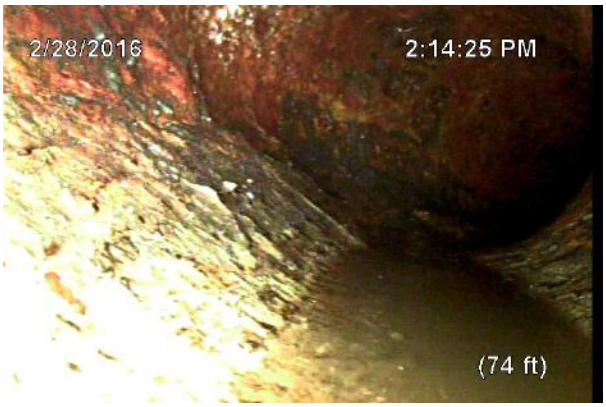
45 degree bend

2/28/2016 2:12:05 PM 54 ft

4" connection

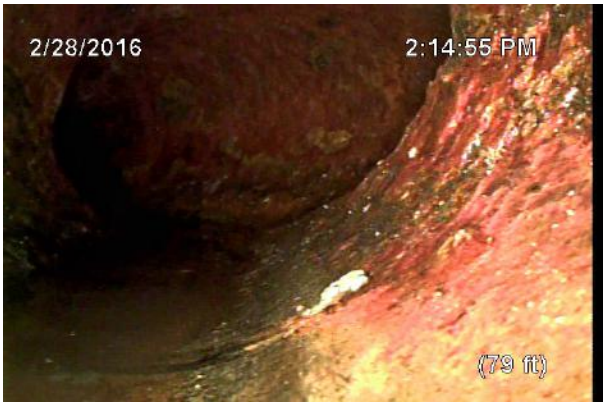
2/28/2016 2:13:38 PM 68 ft

CL - Linear crack



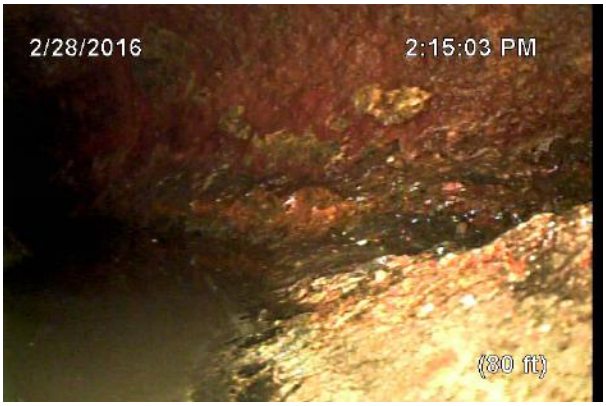
2/28/2016 2:14:26 PM 74 ft

SCP - surface corrosion present - end continuous.



2/28/2016 2:14:56 PM 79 ft

Wye connection. Cleanout C.



2/28/2016 2:15:04 PM 80 ft

AEP- End of pipe. End inspection

CLEANOUT C-D

Pipe Material & Diameter: 6" Cast Iron

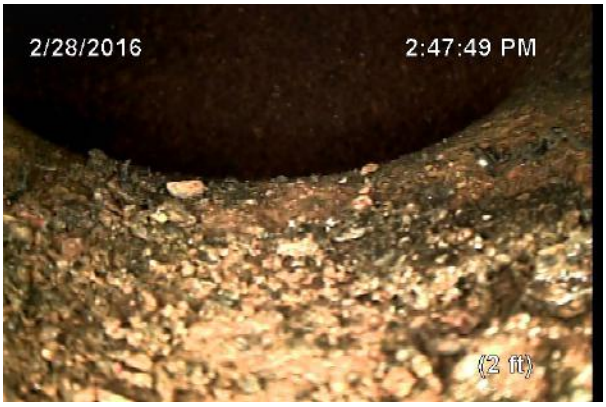
Length of Inspection: 120'

Direction of Inspection: Downstream

Defect Grade Score:(4) Very Poor. .

2/28/2016 2:47:37 PM 0 ft

Access Cleanout C. Start Inspection



2/28/2016 2:47:50 PM 2 ft

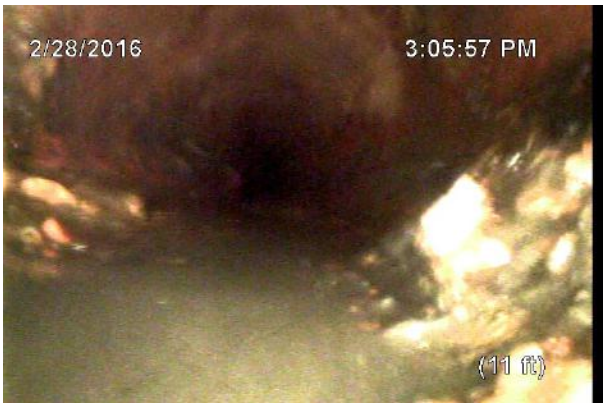
90 degree bend

2/28/2016 2:47:58 PM 4 ft

6" Vertical.

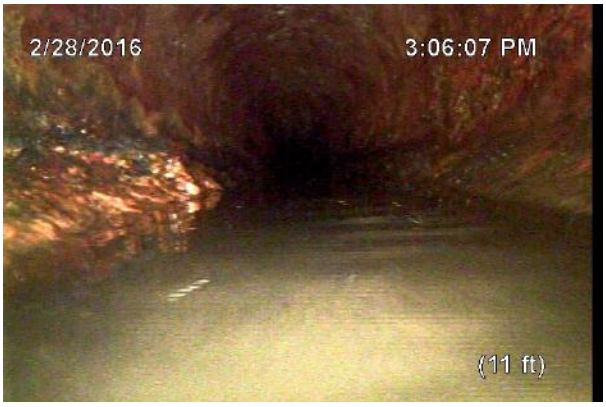
2/28/2016 2:49:23 PM 10 ft

90 degree bend-turns horizontal.



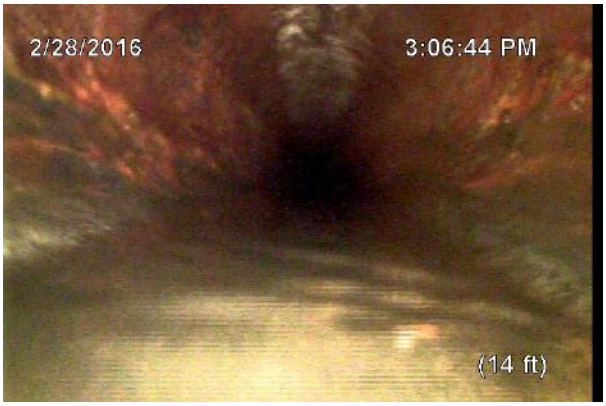
2/28/2016 3:05:57 PM 11 ft

4" connection



2/28/2016 3:06:08 PM 11 ft

Belly.

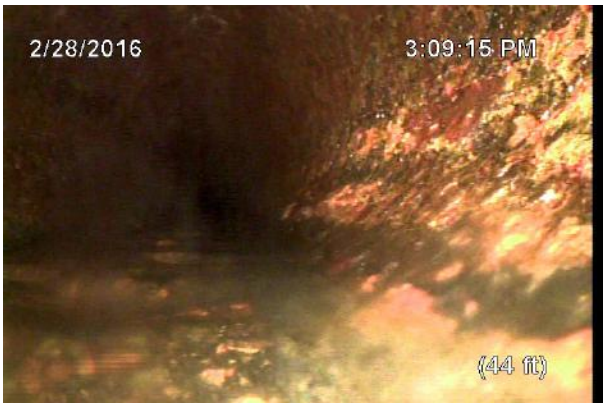


2/28/2016 3:06:44 PM 14 ft

4" connection

2/28/2016 3:07:24 PM 22 ft

4" connection



2/28/2016 3:09:15 PM 44 ft

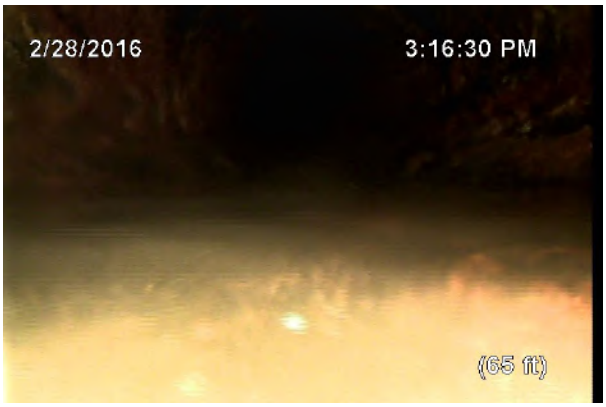
D-Debris

2/28/2016 3:15:59 PM 62 ft

4" connection

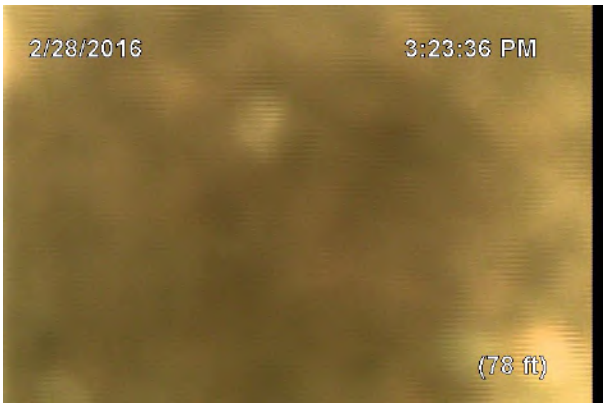
2/28/2016 3:16:06 PM 62 ft

4" connection



2/28/2016 3:16:31 PM 65 ft

Belly.

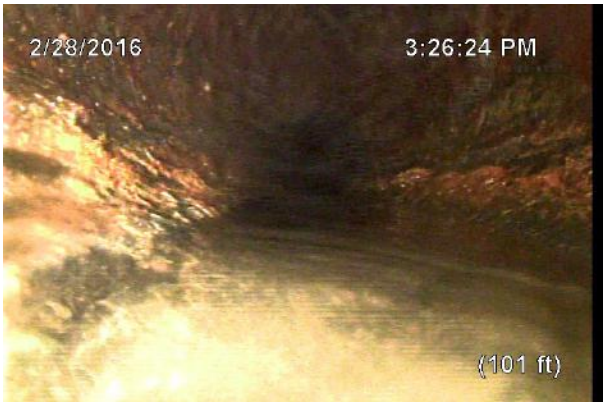


2/28/2016 3:23:36 PM 78 ft

Belly

2/28/2016 3:25:40 PM 94 ft

Belly

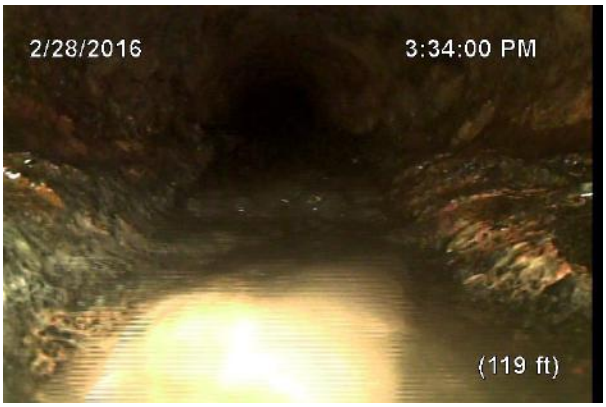


2/28/2016 3:26:25 PM 101 ft

SCPD - surface corrosion and debris present

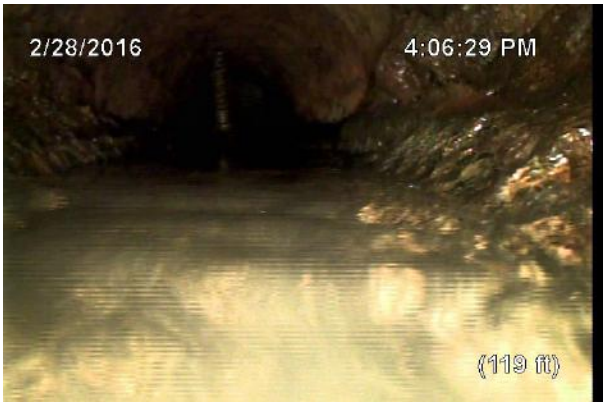
2/28/2016 3:27:27 PM 104 ft

4" connection @ 12 o'clock



2/28/2016 3:34:00 PM 119 ft

Belly.



2/28/2016 4:06:30 PM 119 ft

Connection 4" @12 o'clock. Clean out D

2/28/2016 4:06:51 PM 120 ft

End Inspection at cleanout D.

Cleanout D-E

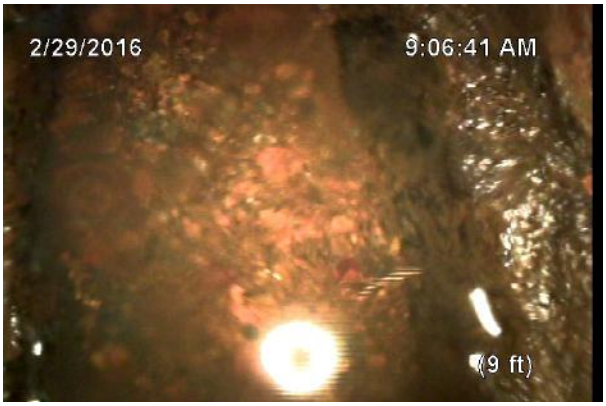
Pipe Material & Diameter: 6"-8" Cast Iron
Length of Inspection
Direction of Inspection: Downstream
Defect Grade Score: (4) Very Poor.

2/28/2016 4:48:20 PM 0 ft

Access Cleanout D. Start inspection.

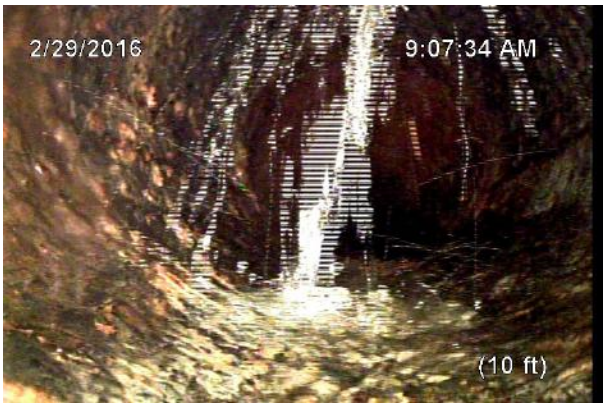
2/28/2016 4:48:37 PM 5 ft

Obstruction-Wood 1"x3' long.



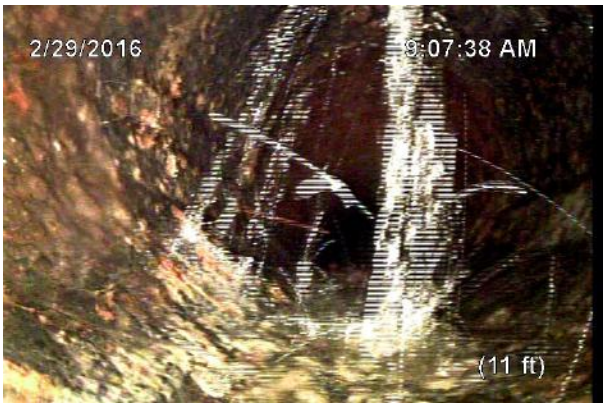
2/29/2016 9:06:42 AM 9 ft

Wye connection



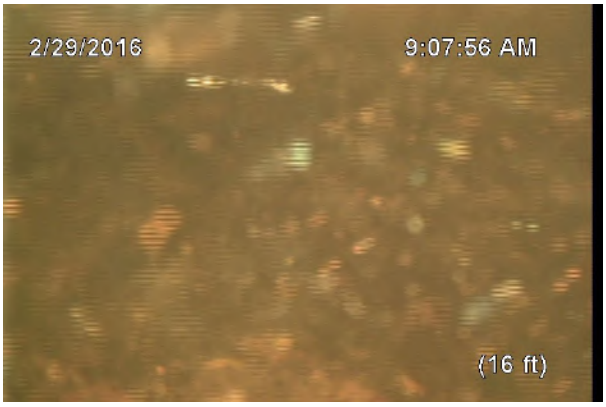
2/29/2016 9:07:35 AM 10 ft

Diameter transition from 6" to 8".



2/29/2016 9:07:39 AM 11 ft

6" Connection 12 o'clock



2/29/2016 9:07:57 AM 16 ft

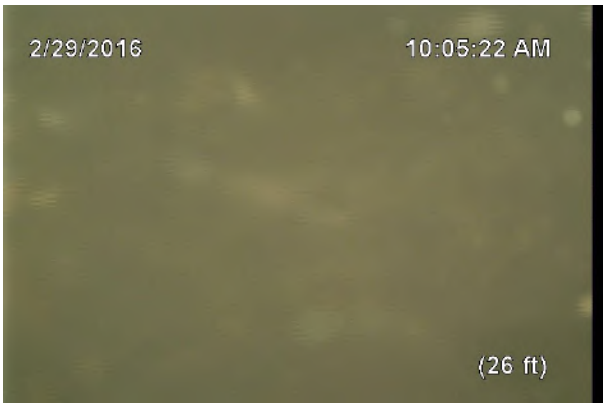
B-belly continuous start

2/29/2016 9:08:07 AM 22 ft

B-belly continuous end

2/29/2016 9:08:16 AM 23 ft

SRI - surface roughness increasing

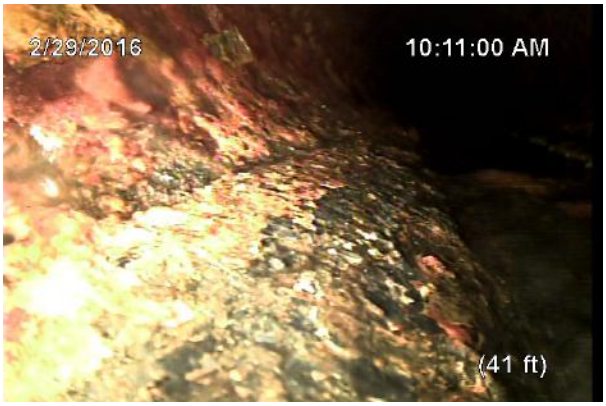


2/29/2016 10:05:23 AM 26 ft

Camera underwater.

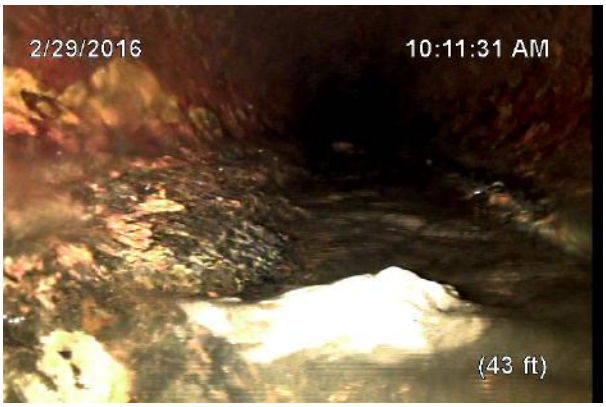
2/29/2016 10:06:27 AM 35 ft

DAR - attached ragging



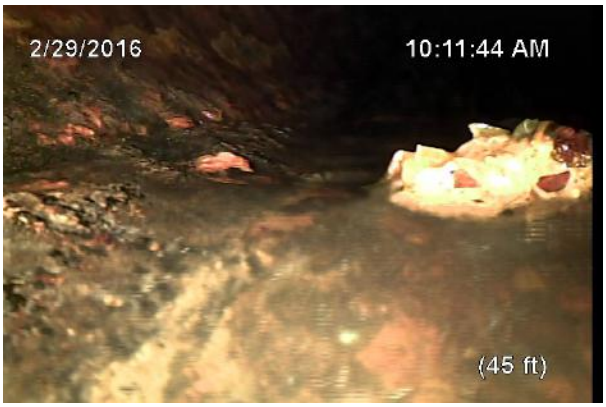
2/29/2016 10:11:00 AM 41 ft

BC- bottom channeling



2/29/2016 10:11:31 AM 43 ft

DAR - attached ragging

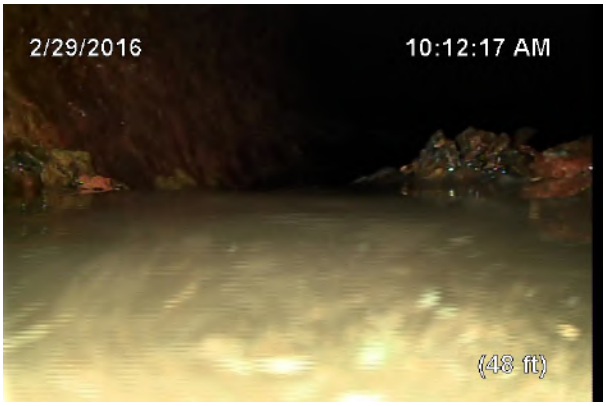


2/29/2016 10:11:44 AM 45 ft

D-Debris

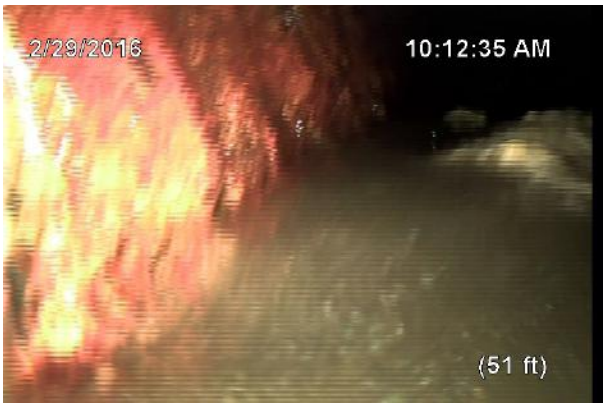
2/29/2016 10:12:02 AM 48 ft

Camera underwater



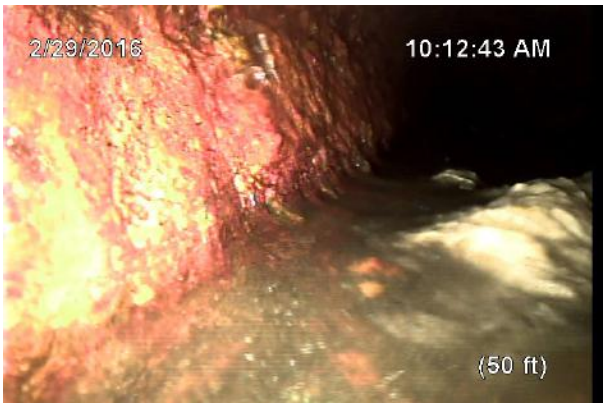
2/29/2016 10:12:17 AM 48 ft

D-Debris



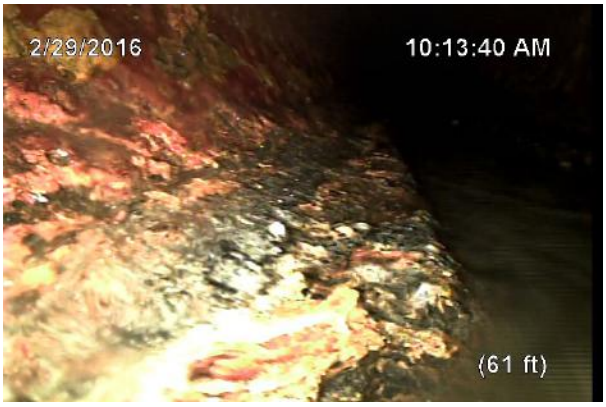
2/29/2016 10:12:36 AM 51 ft

DAR - attached ragging



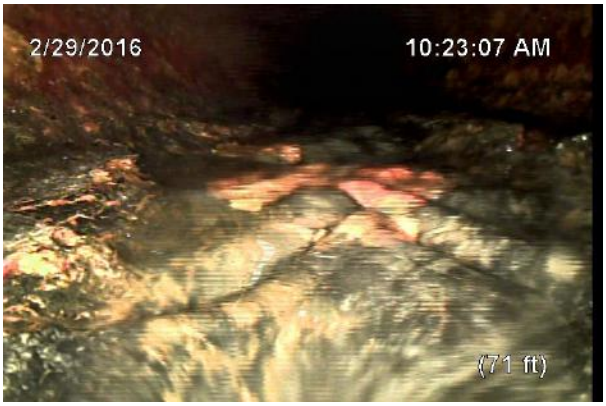
2/29/2016 10:12:44 AM 50 ft

DAR - attached ragging



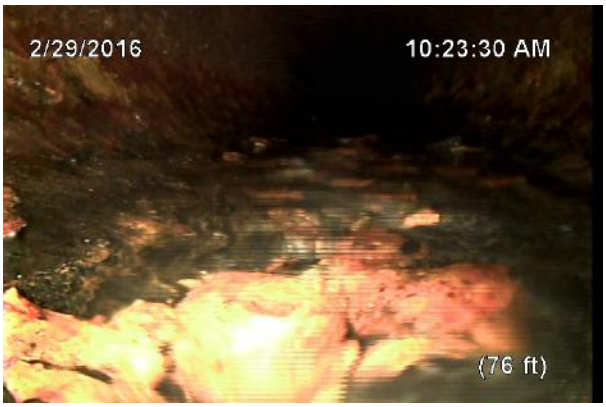
2/29/2016 10:13:40 AM 61 ft

BC- bottom channeling



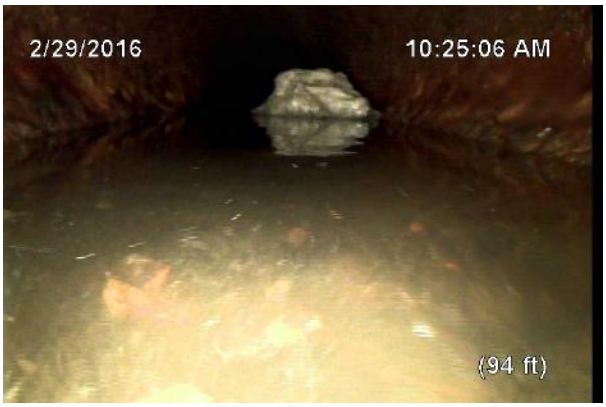
2/29/2016 10:23:07 AM 71 ft

BC- bottom channeling



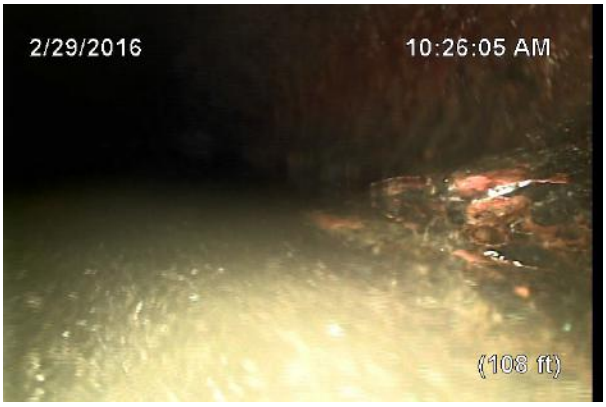
2/29/2016 10:23:31 AM 76 ft

D-Debris



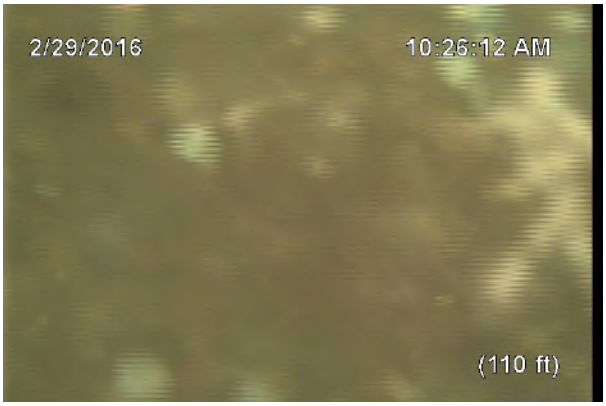
2/29/2016 10:25:07 AM 94 ft

DAR - attached ragging



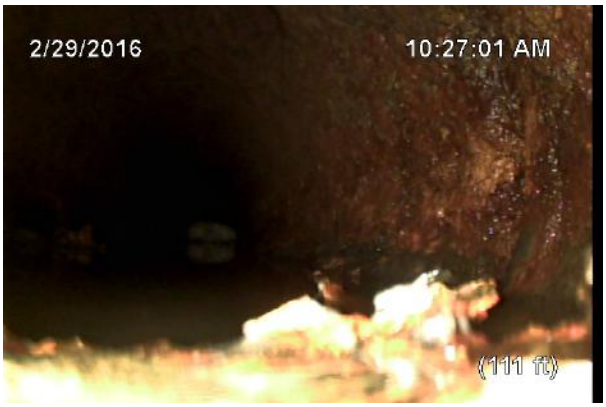
2/29/2016 10:26:06 AM 108 ft

BC- bottom channeling



2/29/2016 10:26:13 AM 110 ft

Belly Camera underwater



2/29/2016 10:27:02 AM 111 ft

Connection-Cleanout E. 12 o'clock. End continuous surface roughness. End inspection.