



CITY SEWER SPECIALISTS Corp.

Gowanus Canal Pipe investigation for contaminated pipes Daily Summary Report

Attached with this report are video DVDs of the inspections.

Client:

Lockheed Martin Information & Technology Service
2339 Route 70 West Cherry Hill, NJ 08002-3315

Project description:

Pipe investigations at Gowanus Creek site, Brooklyn, NY.
In the REP Solicitation for SERAS program project #0-59 pipe investigation at Gowanus canal.

Dates:

December 6th to December 9th 2010

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Table of content:	Page
List of remaining pipes that need to be jetted, take oil samples, redo inspection	2
Dec 6: W-042, W-002, E-022A.	3
Dec 7: W-015A, W-044,	4
Dec 8: W-018, W-098, T3-013.	5
Dec 9: E-007, T3-012.	6

List of remaining pipes that need to be jetted, take oil samples, redo inspection:

E-007 4" Cast-Iron pipe.
 T3-012 12" Cast-Iron pipe.
 T3-013 10" Cast-Iron pipe.
 W-015A 4" Cast-Iron pipe. (6' Downstream from W-015)
 W-018 8" Cast-Iron pipe.
 W-042 8" Clay pipe.
 W-044 6" Clay pipe.
 W-046 9' Clay pipe.
 W-098 6" Cast-Iron pipe.

Please note:

This report indicates all the pipes that we found oil in them.
 Oil samples were taken from these pipes during the water jetting.

- E-001 to E-006 36" Cast-Iron pipes: all six pipes connect to a large storm sewer under Douglass street. Based on our observation, the first 30 feet, East of the canal into Douglass street, are a dumping ground for the local people to dispose of their liquid wastes.
- W-042, W-018, W-098, W-043. Those pipes come from 400 Carroll street lot.
 All the pipes above were filled with oil. In all of them, when we took the camera out, it was covered with oil.
 When we were in the process of jetting the pipes, the "owner" approached us, prevented us from docking our boat and didn't let us complete our job.

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December 6, 2010

Pipe label: **W-042**

8"Ø Clay pipe.

18" above water level; 9:00 AM

N 40° 40.688'

W 073° 59.346'

Findings:

Debris: Yes

Grease: No

Oil: Yes

Corrosion: No

Other: No

5' Big stone is blocking the pipe.

The pipe collapsed.

Camera cannot pass. Stop Inspection.

Oil remains inside the pipe.

Pipe label: **W-002 (wasn't jetted, No oil sample)**

36"Ø Concrete pipe.

2" below water level; 2:00 PM.

N 40° 40.575'

W 073° 59.399'

Findings:

Debris: Yes

Grease: No

Oil: Yes

Corrosion: No

1' The transporter sank in oil and sand, couldn't move forward.

Stop Inspection.

Recommends:

Need to jet the line and redo the inspection using the CCTV system.

Pipe label: **W-002A 6" Upstream from W-002 (wasn't jetted, No oil sample)**

12"Ø Concrete pipe.

4" below water level; 2:00 PM.

N 40° 40.689'

W 073° 59.341'

Findings:

Debris: Yes

Grease: No

Oil: Yes

Corrosion: No

1' The transporter sank in oil and sand, couldn't move forward.

Few attempts were made to inspect the line.

Stop Inspection.

Recommends:

Need to jet the line and redo the inspection using the CCTV system.

December 7, 2010
Second shift.

Pipe label: **W-015A**

8"Ø Clay pipe.

18" above water level; 9:00 AM

N 40° 40.688'

W 073° 59.346'

Findings:

Debris: Yes

Grease: No

Oil: Yes

Corrosion: No

Other: No

18'-22' Camera is under water.

50'-52' Camera is under water.

64' Working house trap.

Recommends:

No need to jet the line.

Pipe label: **W-044**

6"Ø Cast-Iron pipe.

58" above water level; 12:09 PM.

N 40° 40.631'

W 073° 59.380'

Findings:

Debris: Yes

Grease: No

Oil: Yes

Corrosion: No

Other: White stuff.

8'-16' Pipe is cracked.

18'-40' Camera is under water.

73' Pipe is cracked.

112' Reducer cup from 6" to 4".

White stuff pours out of the pipe.

Camera cannot move any further. Stop Inspection.

Recommends:

No need to jet this line.

The camera stopped under the truck parking lot.

N 40° 40.645' W 073° 59.395'

Pipe label: **W-045**

6"Ø Cast-Iron pipe.

33" above water level; 2:42 PM.

N 40° 40.662'

W 073° 59.389'

Findings:

Debris: Yes

Grease: No

Oil: Yes

Corrosion: No

Other: No

No video was taken.

6' Pipe has oil and garbage inside.

Stop Inspection.

Recommends:

The pipe needs to be jetted again, and redo the inspection.

December 8, 2010
Second shift.

Pipe label:**W-018**

8"Ø Cast-Iron pipe.

35" above water level; 9:20 AM

N 40° 40.685'

W 073° 59.346'

Findings:

Debris: Yes

Grease: No

Oil: No

Corrosion: No

Other: No

8'-15' Camera is under water. Stones block the camera from passing.

The jet and camera was inserted together.

There is a small structure above ground looks like a shack about 15' away from the canal.

Recommends:

No need to jet the line again, a quick look inside the shack is necessary, to look for a sink/floor drain.

Pipe label:**W-098**

6"Ø Cast-Iron pipe.

48" above water level; 2:22 PM

N 40° 40.674'

W 073° 59.345'

Findings:

Debris: Yes

Grease: No

Oil: Yes

Corrosion: No

Other: No

18'-28' Camera is under water and oil. Low visibility.

Neighbors won't allow us to tie our boat to his barge to jet and redo the inspection.

Stop Inspection.

Recommends:

Need to jet the line and redo the inspection.

Pipe label:**T3-013**

10"Ø Cast-Iron pipe.

19" above water level; 2:29 PM

N 40° 40.465'

W 073° 59.655'

Findings:

Debris: Yes

Grease: No

Oil: Yes

Corrosion: No

Other: No

110.2' Service connection at 3 o'clock.

156.3' Right 90°.

Camera cannot make the turn. Stop Inspection.

Recommends:

No need to jet the line.

December 9, 2010
Second Shift.

Pipe label: **E-007**

4"Ø Cast-Iron pipe.

6" above water level; 3:08 PM

N 40° 40.840'

W 073° 59.254'

Findings:

Debris: Yes

Grease: No

Oil: No

Corrosion: No

Other: No

50' Right 90°.

59' **Capped pipe** with concrete.

Camera cannot go any further. Stop Inspection.

Recommends:

No need to jet the line.

Pipe label: **T3-12**

12"Ø Cast-Iron pipe.

28" above water level; 12:47 PM

N 40° 40.525'

W 073° 59.728'

Findings:

Debris: Yes

Grease: No

Oil: Yes

Corrosion: No

Other: No

80.7' Service connection at 12 o'clock.

96.3' Service connection at 9 o'clock.

135.2 Cannot pass the blockage on the side of the pipe. Stop Inspection.

137' Plastic bottles in the line

Recommends:

Need to jet the line and redo the inspection.

End of report.