

# DAILY OBSERVATION REPORT

Report No.: 36 EA Project File: 1447429 Date: February 13, 2012

## EA Engineering, P.C.

6712 Brooklawn Parkway, Suite 104  
Syracuse, NY 13211-2158



**NYSDEC Division of Environmental Remediation**  
**Site Location: Albany St., Babylon, NY (Site No. 1-52-140)**

## Site No. 1-52-140

Contractor PM: AECOM – Walter Howard  
NYSDEC PM: Jeffrey Dyber  
Construction Manager: AECOM - Kent Wagener  
Air Monitoring: AECOM  
Health & Safety: AECOM

### Weather Conditions

General Description	Sunny	am	Sunny	Pm
Temperature	34	am	38	Pm
Wind Direction	15 mph W	am	15 mph W	Pm

### HEALTH & SAFETY:

(\*If any box(s) below are checked "Yes", list the deviation under the "Items for Concern" section of this report).

Were there any changes to the Health & Safety Plan?	*Yes ( )	No (X)	NA ( )
Were there any exceedances at the perimeter Air: action level reported on this date?	*Yes ( )	No (X)	NA ( )
Were there any dust/odor issues reported or observed on this date?	*Yes ( )	No (X)	NA ( )

### WASTE HAULING:

(\*If any box(s) below are checked "Yes", list the deviation under the "Items for Concern" section of this report).

Were there any vehicles that did not display proper D.O.T. numbers and placards?	*Yes ( )	No ( )	NA (X)
Were there any vehicles which were not tarped?	*Yes ( )	No ( )	NA (X)

### Materials Removed From Site:

Disposal Facility: 110 Sand Company  
Total Loads (on this date): 0  
Total Loads (to date): 1  
Total Estimated Daily Weight (tons): 0  
Total Approximate\* Weight (tons): 20

\*Actual (total weight) adjusted periodically based on weight tickets submitted by the disposal facilities.

Report No.: 36

EA Project File:

1447429

Date: February 13, 2012

**Summary of Events:**

- Onsite at 10:00, spoke with Sam Rowe (AECOM) regarding planned work for the day. Posillico Construction (Posillico) and Les Pennington (Wasatch) already onsite.
- Prior to the start of work, AECOM conducted health and safety meeting, discussed overall goals for day, and setup upwind and downwind air monitoring stations. Upwind station installed at intersection of Beta and Benjoe and downwind station near intersection of Albany Ave and Benjoe Dr. Air monitoring was performed in accordance with the Contract Documents and AECOM's Remedial Action Work Plan (RAWP): Section 4.2 – Dust Monitoring, Section 5.0 – Air Monitoring Plan. No exceedances were recorded.
- No drilling activities occurred today. Repairs are being made drill rig's gear box. Drilling activities expected to resume by 23 February 2012.
- Posillico continued excavating pipe airline trench along Benjoe Drive from DDC-07 to 50-feet east of DDC-07 (Refer to Revised RAWP Figure 1, Submittal No. 02686-002A). Prior to startup, Posillico installed necessary traffic controls in accordance with the Traffic Control Plan, Permit No. 60135649. A backhoe was used to excavate the 5-ft wide DDC airline trench. The trench bottom was excavated on a grade, to promote drainage of condensate moisture to airline sumps (see Proposed Pipe Invert Elevations, Submittal 15050-001B). Trench bottom was relatively smooth and free of rock and asphalt. Trench walls were not sloped because depth of trench was less than 4.5-ft below grade (OSHA Trenching Requirements). Excavation activities were completed in accordance with RAWP Section 2.3.4 – Utility and Pipe Excavation Plan, Contract Document Section 02220 – Excavation and Subgrade Preparation, and Section 02225 – Trenching.
- Prior to high-density polyethylene (HDPE) pipe installation, Posillico prefabricated pipe lengths and fittings on Suffolk County Water Authority (SCWA) property using heat fusion welds (RAWP Section 2.3.4.1 – Piping Installation). Posillico installed HDPE piping from DDC-07 to 50-feet east of DDC-07. One 6-inch air return line and one 4-in. air supply line were installed through DDC-07 concrete vault using a molded 45° elbow (See Submittal No. 15064-001A for specs). Brick and mortar were used to seal around point of entry. DDC-07, DDC-08, DDC-09, DDC-10, and two additional sets (spares) of air lines were extended through the trench line. From DDC-07 to the east piping layout was arranged as one row (6 and 4 in. pipes placed side by side). This arrangement allowed for required drop in piping and access between utilities along Albany Ave. Piping extensions were connected in the trench line using Type A Couplers via Electrofusion (See Submittal No. 15064-001A for specs) and/or heat fusion techniques. Copper tracer wire was continuously placed through the trench. No damaged piping/fittings were used throughout the process. Pressure testing will be conducted once air line installation is complete and backfilled. Piping installation was completed in accordance with RAWP Section 2.3.4.1 – Piping Installation and Section 02605 – Underground Piping of the Contract Documents.
- Prior to backfilling, unfinished pipe ends were temporarily wrapped in plastic to prevent soils from entering. Posillico used excavated material (fine-coarse sand) as backfill. Material contained no rock, asphalt, or sharp edged debris. Backfilled material was compacted in 12-in. lifts using plate compactor. Recycled concrete blend compacted at grade for temporary road use. Traffic controls removed from street at end of day. Permanent asphalt pavement will be placed once trenching is complete. Backfilling was done in accordance with RAWP Sections 2.3.4, 2.3.4.1, and 2.3.4.2 and Contract Document Sections 02111, 02200, 02220, and 02225.
- No concerns/complaints from residences were documented.
- Offsite at 16:00.

# DAILY OBSERVATION REPORT

Report No.: 36

EA Project File: 1447429

Date: February 13, 2012

## VISITORS TO SITE:

NAME	Representing	Entered Exclusion/CRZ Zone	
Jim Hayward	EA Engineering	Yes (X)	No ( )

## PROJECT SCHEDULE:

- DDC well installation (16 January – 02 April 2012).
- Install underground piping (30 January – 24 February 2012)
- Install airline sump (13 -17 February 2012)
- Pressure test underground piping (27 February – 02 March 2012)

## ISSUES PENDING:

- None

## ITEMS OF CONCERN:

- None

Site Representative:

Robert Peterson

Date: 13 February 2012



Report No.: 36

EA Project File: 1447429

Date: February 13, 2012

Photographs



View of DDC-07 vault and trench line, looking east.



1-in. gas service line (4 Benjoe Dr.) transecting trench line.

Report No.: 36

EA Project File:

1447429

Date: February 13, 2012



View of trench line, looking east.



Posillico performing heat fusion welds on 4-in. lines.

Report No.: 36

EA Project File:

1447429

Date: February 13, 2012



View of DDC-07 vault inlet.



View of 4-in. supply line installed into DDC-07 vault.

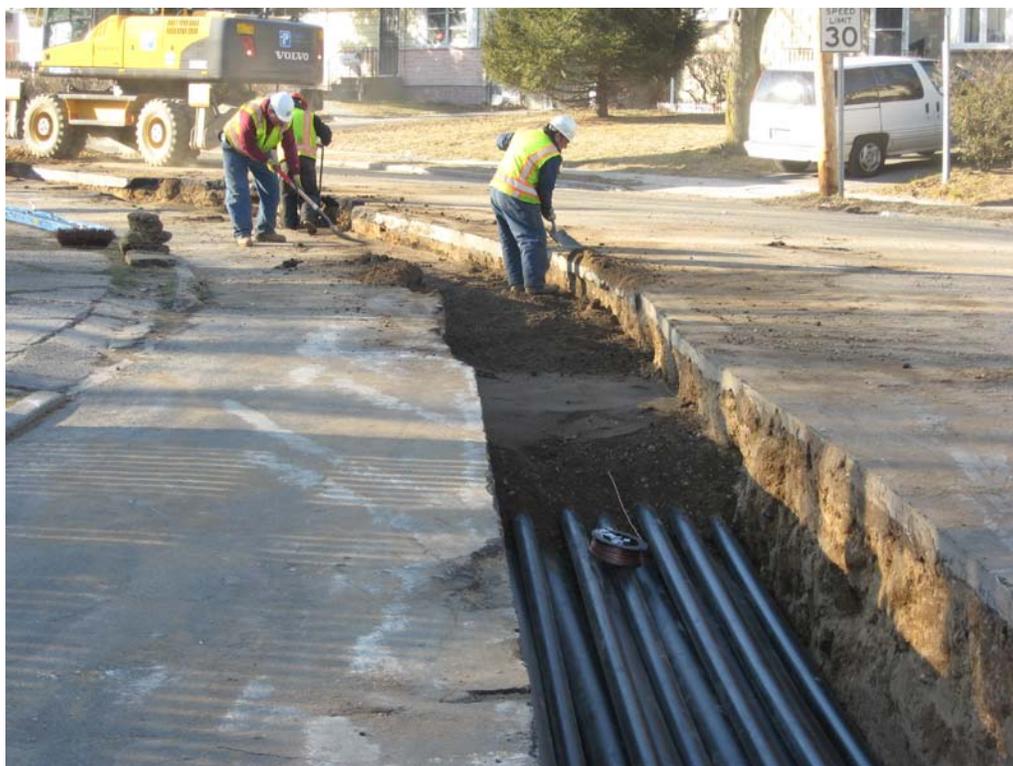
Report No.: 36

EA Project File: 1447429

Date: February 13, 2012



View of pipe extending down trench line, looking west.



Posillico backfilling trench line near DDC-07.

Report No.: 36

EA Project File: 1447429

Date: February 13, 2012



Posillico placing recycled concrete material along trench line for temporary road use.

# DAILY OBSERVATION REPORT

Report No.: 37      EA Project File: 1447429      Date: February 14, 2012

**EA Engineering, P.C.**

6712 Brooklawn Parkway, Suite 104  
Syracuse, NY 13211-2158



**Site No. 1-52-140**

Contractor PM: AECOM – Walter Howard  
NYSDEC PM: Jeffrey Dyber  
Construction Manager: AECOM - Kent Wagener  
Air Monitoring: AECOM  
Health & Safety: AECOM

**NYSDEC Division of Environmental Remediation**  
**Site Location: Albany St., Babylon, NY (Site No. 1-52-140)**

**Weather Conditions**

<i>General Description</i>	Overcast	am	Overcast	Pm
<i>Temperature</i>	38	am	43	Pm
<i>Wind Direction</i>	2 mph W	am	8 mph W	Pm

**HEALTH & SAFETY:**

(\*If any box(s) below are checked "Yes", list the deviation under the "Items for Concern" section of this report).

Were there any changes to the Health & Safety Plan?	*Yes ( )	No (X)	NA ( )
Were there any exceedances at the perimeter action level reported on this date?      Air:	*Yes ( )	No (X)	NA ( )
Were there any dust/odor issues reported or observed on this date?	*Yes ( )	No (X)	NA ( )

**WASTE HAULING:**

(\*If any box(s) below are checked "Yes", list the deviation under the "Items for Concern" section of this report).

Were there any vehicles that did not display proper D.O.T. numbers and placards?	*Yes ( )	No ( )	NA (X)
Were there any vehicles which were not tarped?	*Yes ( )	No ( )	NA (X)

**Materials Removed From Site:**  
**Disposal Facility: 110 Sand Company**  
Total Loads (on this date): 0  
Total Loads (to date): 1  
Total Estimated Daily Weight (tons): 0  
Total Approximate\* Weight (tons): 20

\*Actual (total weight) adjusted periodically based on weight tickets submitted by the disposal facilities.

Report No.: 37

EA Project File:

1447429

Date: February 14, 2012

**Summary of Events:**

- Onsite at 07:30, spoke with Sam Rowe (AECOM) regarding planned work for the day. Posillico Construction (Posillico) already onsite.
- Prior to the start of work, AECOM conducted health and safety meeting, discussed overall goals for day, and setup upwind and downwind air monitoring stations. Upwind station installed at intersection of Beta and Benjoe Dr., and downwind station between DDC-05 and DDC-06. Air monitoring was performed in accordance with the Contract Documents and AECOM's Remedial Action Work Plan (RAWP): Section 4.2 – Dust Monitoring, Section 5.0 – Air Monitoring Plan. No exceedances were recorded.
- No drilling activities occurred today. Repairs are being made to drill rig's gear box. Drilling activities are expected to resume by 23 February 2012.
- Posillico continued excavating pipe airline trench along Benjoe Drive from 50-ft east of DDC-07 to the centerline of Albany Ave. (Refer to Revised RAWP Figure 1, Submittal No. 02686-002A). Prior to startup, Posillico installed necessary traffic controls in accordance with the Traffic Control Plan, Permit No. 60135649. Albany Ave. was converted to single lane traffic with the use of flag men. A backhoe was used to excavate the 5.0-ft wide DDC airline trench. The trench bottom was excavated on a grade, to promote drainage of condensate moisture to airline sumps (see Proposed Pipe Invert Elevations, Submittal 15050-001B). Trench bottom was relatively smooth and free of rock and asphalt. Trench walls were not sloped because depth of trench was less than 4.5-ft below grade (OSHA Trenching Requirements). Excavation activities were completed in accordance with RAWP Section 2.3.4 – Utility and Pipe Excavation Plan, Contract Document Section 02220 – Excavation and Subgrade Preparation, and Section 02225 – Trenching.
- Prior to high-density polyethylene (HDPE) pipe installation, Posillico prefabricated pipe lengths and fittings on SCWA property using heat fusion welds (RAWP Section 2.3.4.1 – Piping Installation). Posillico installed HDPE piping from 50-ft east of DDC-07 to centerline of Albany Ave. DDC-07, DDC-08, DDC-09, DDC-10, and two additional sets (spares) of air lines were extended through the trench line. Piping layout was arranged as one row (6 and 4 in. pipes placed side by side). This arrangement allowed for required drop in piping and access between utilities along Albany Ave. (refer to Submittal No. 15050-003A for Albany Ave. utility locations/cross section). An unmarked 2-in. gas line was encountered 41-in. below ground surface (bgs) and 52-ft east of the RCP storm water line. No damage was sustained to the gas line. The 6-inch air return lines were placed directly underneath the gas line, while 4-in. air supply lines were placed directly above the gas line. Piping slope was maintained for the 6-in. air return lines. 4-in. supply lines were relatively level over the gas line. Therefore, flat section of 4-in. piping will not damage/hinder the system. Piping extensions were connected in the trench line using Type A Couplers via Electrofusion (See Submittal No. 15064-001A for specs) and/or heat fusion techniques. Copper tracer wire was continuously placed through the trench. No damaged piping/fittings were used throughout the process. Pressure testing will be conducted once air line installation is complete and backfilled. Piping installation was completed in accordance with RAWP Section 2.3.4.1 – Piping Installation and Section 02605 – Underground Piping of the Contract Documents.
- Prior to backfilling, unfinished pipe ends were temporarily wrapped in plastic to prevent soils from entering. Posillico used excavated material (fine-coarse sand) as backfill. Material contained no rock, asphalt, or sharp edged debris. Backfilled material was compacted in 12-in. lifts using plate compactor. Recycled concrete blend was compacted at grade for temporary road use from 50-ft east of DDC-07 to western edge of Albany Ave. Temporary asphalt was placed from western edge to centerline of Albany Ave. Recycled concrete was placed underneath asphalt as road base material. Asphalt and road base material compacted with plate compactor. Traffic controls removed from street at end of day. Permanent asphalt pavement will be placed once trenching is complete. Backfilling was done in accordance with RAWP Sections 2.3.4, 2.3.4.1, and 2.3.4.2 and Contract Document Sections 02111, 02200, 02220, and 02225.
- Posillico placed temporary asphalt, along trench line from DDC-09 to DDC-07. Prior to placement, top 4-inches of recycled concrete road base material removed. Once removed, trench line was re-compacted and asphalt was placed. Asphalt and road base material compacted using plate compactor.

# DAILY OBSERVATION REPORT

Report No.: 37      EA Project File: 1447429      Date: February 14, 2012

- No concerns/complaints from residences were documented.
- Offsite at 17:30.

## VISITORS TO SITE:

NAME	Representing	Entered Exclusion/CRZ Zone	
Jim Hayward	EA Engineering	Yes (X)	No ( )

## PROJECT SCHEDULE:

- DDC well installation (16 January – 02 April 2012).
- Install underground piping (30 January – 24 February 2012)
- Install airline sump (13 -17 February 2012)
- Pressure test underground piping (27 February – 02 March 2012)

## ISSUES PENDING:

- Re-installation of DDC-06 piezometers (DDC-06-PD and DDC-06-PS).

## ITEMS OF CONCERN:

- None

Site Representative:

Robert Peterson

Date: 14 February 2012



Report No.: 37

EA Project File: 1447429

Date: February 14, 2012

Photographs



View of lane closure and traffic controls along west side of Albany Ave., looking south.



View of trench line and RCP storm water line.

Report No.: 37

EA Project File:

1447429

Date: February 14, 2012



View of unmarked 2-in. gas line transecting trench line.



View of 2-in. gas line, looking east.

Report No.: 37

EA Project File: 1447429

Date: February 14, 2012



6-in. air lines installed under RCP and 2-in. gas line, looking west.



Piping configuration under RCP storm water line.

Report No.: 37

EA Project File:

1447429

Date: February 14, 2012



View of 4-in. air lines installed over 6-in. air lines and 2-in. gas line, looking west.



Posillico backfilling trench line, looking east.

Report No.: 37

EA Project File:

1447429

Date: February 14, 2012



Posillico compacting recycled concrete material near centerline of Albany Ave.



Temporary asphalt placed over western side of Albany Ave., at Benjoe/Albany intersection looking west.

Report No.: 37

EA Project File: 1447429

Date: February 14, 2012



View of temporary asphalt from DDC-09 to DDC-07, looking east.

# DAILY OBSERVATION REPORT

Report No.: 38 EA Project File: 1447429 Date: February 15, 2012

## EA Engineering, P.C.

6712 Brooklawn Parkway, Suite 104  
Syracuse, NY 13211-2158



**NYSDEC Division of Environmental Remediation**  
**Site Location: Albany St., Babylon, NY (Site No. 1-52-140)**

## Site No. 1-52-140

Contractor PM: AECOM – Walter Howard  
NYSDEC PM: Jeffrey Dyber  
Construction Manager: AECOM - Kent Wagener  
Air Monitoring: AECOM  
Health & Safety: AECOM

### Weather Conditions

<b>General Description</b>	Rain Showers	am	Overcast	Pm
<b>Temperature</b>	41	am	49	Pm
<b>Wind Direction</b>	2 mph WNW	am	7 mph WNW	Pm

### HEALTH & SAFETY:

(\*If any box(s) below are checked "Yes", list the deviation under the "Items for Concern" section of this report).

Were there any changes to the Health & Safety Plan?	*Yes ( )	No (X)	NA ( )
Were there any exceedances at the perimeter action level reported on this date? Air:	*Yes ( )	No (X)	NA ( )
Were there any dust/odor issues reported or observed on this date?	*Yes ( )	No (X)	NA ( )

### WASTE HAULING:

(\*If any box(s) below are checked "Yes", list the deviation under the "Items for Concern" section of this report).

Were there any vehicles that did not display proper D.O.T. numbers and placards?	*Yes ( )	No ( )	NA (X)
Were there any vehicles which were not tarped?	*Yes ( )	No ( )	NA (X)

### Materials Removed From Site:

Disposal Facility: 110 Sand Company  
Total Loads (on this date): 0  
Total Loads (to date): 1  
Total Estimated Daily Weight (tons): 0  
Total Approximate\* Weight (tons): 20

\*Actual (total weight) adjusted periodically based on weight tickets submitted by the disposal facilities.

Report No.: 38

EA Project File:

1447429

Date: February 15, 2012

**Summary of Events:**

- Onsite at 07:15, spoke with Kent Wagoner and Sam Rowe (AECOM) regarding planned work for the day. Posillico Construction (Posillico) already onsite.
- Prior to the start of work, AECOM conducted health and safety meeting, discussed overall goals for day, and setup upwind and downwind air monitoring stations. Upwind station installed at intersection of Beta and Benjoe and downwind station near construction trailers. Air monitoring was performed in accordance with the Contract Documents and AECOM's Remedial Action Work Plan (RAWP): Section 4.2 – Dust Monitoring, Section 5.0 – Air Monitoring Plan. No exceedances were recorded.
- No drilling activities occurred today. Repairs are being made to drill rig gear box. Restored pump will be reinstalled later this week.
- Posillico continued excavating pipe airline trench from centerline of Albany Ave. to western edge of SCWA property (Refer to Revised RAWP Figure 1, Submittal No. 02686-002A). Prior to startup, Posillico installed necessary traffic controls in accordance with the Traffic Control Plan, Permit No. 60135649. Albany Ave. was converted to single lane traffic with the use of traffic cones, signage, and flag men. A backhoe was used to excavate the 5.0-ft wide DDC airline trench. The trench bottom was excavated on a grade, to promote drainage of condensate moisture to airline sumps (see Proposed Pipe Invert Elevations, Submittal 15050-001B). Trench bottom was relatively smooth and free of rock and asphalt. Trench walls were not sloped because depth of trench was less than 4.5-ft below grade (OSHA Trenching Requirements). No damage was sustained to encountered utilities during excavation/pipe installation process (refer to Submittal 15050-003A for utility locations/cross section along Albany Ave.). Excavation activities were completed in accordance with RAWP Section 2.3.4 – Utility and Pipe Excavation Plan, Contract Document Section 02220 – Excavation and Subgrade Preparation, and Section 02225 – Trenching.
- Prior to high-density polyethylene (HDPE) pipe installation, Posillico prefabricated pipe lengths and fittings on Suffolk County Water Authority (SCWA) property using heat fusion welds (RAWP Section 2.3.4.1 – Piping Installation). Posillico installed HDPE piping from centerline of Albany Ave. to western edge of SCWA property. DDC-07, DDC-08, DDC-09, DDC-10, and two additional sets (spares) of air lines were extended through the trench line. Piping layout was arranged as two rows (6-inch pipes placed on bottom, 4-inch lines on top). Approximately 6-inches of compacted soil were placed between 6-in. and 4-in. pipes. Negative slope towards sumps was maintained throughout trench line. Piping extensions were connected in the trench line using Type A Couplers via Electrofusion (See Submittal No. 15064-001A for specs) and/or heat fusion techniques. Copper tracer wire was continuously placed through the trench. No damaged piping/fittings were used throughout the process. Pressure testing will be conducted once air line installation is complete and backfilled. Piping installation was completed in accordance with RAWP Section 2.3.4.1 – Piping Installation and Section 02605 – Underground Piping of the Contract Documents.
- Prior to backfilling, unfinished pipe ends were temporarily wrapped in plastic to prevent soils from entering. Posillico used excavated material (fine-coarse sand) as backfill. Material contained no rock, asphalt, or sharp edged debris. Backfilled material was compacted in 12-in. lifts using plate compactor. Approximately 6-in. of recycled concrete blend was compacted below temporary asphalt. Temporary asphalt was placed from centerline of Albany Ave. to western edge of SCWA property. Asphalt and recycled concrete compacted with plate compactor. Approximately 10-ft of sidewalk along eastern side of Albany Ave. was removed during excavation process. Asphalt and recycled concrete were placed as a temporary repair. Sidewalk will be restored in kind during permanent restoration. Traffic controls removed from street at end of day. Permanent asphalt pavement will be placed once trenching is complete. Backfilling was done in accordance with RAWP Sections 2.3.4, 2.3.4.1, and 2.3.4.2 and Contract Document Sections 02111, 02200, 02220, and 02225.
- Posillico placed temporary asphalt from DDC-07 to Albany Ave. Entire trench line (DDC-10 to SCWA property) has been temporarily asphalted.
- No concerns/complaints from residences were documented.
- Offsite at 17:30.

# DAILY OBSERVATION REPORT

Report No.: 38      EA Project File: 1447429      Date: February 15, 2012

## VISITORS TO SITE:

NAME	Representing	Entered Exclusion/CRZ Zone	
None		Yes ( )	No ( )

## PROJECT SCHEDULE:

- DDC well installation (16 January – 02 April 2012).
- Install underground piping (30 January – 24 February 2012)
- Install airline sump (13 -17 February 2012)
- Pressure test underground piping (27 February – 02 March 2012)

## ISSUES PENDING:

- Re-installation of DDC-06 piezometers (DDC-06-PD and DDC-06-PS).

## ITEMS OF CONCERN:

- None

Site Representative:

Robert Peterson

Date: 15 February 2012



Report No.: 38

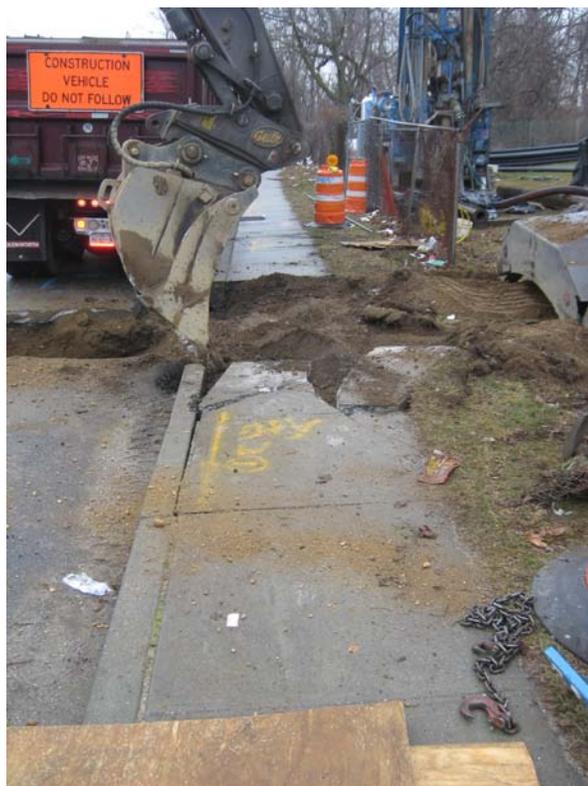
EA Project File: 1447429

Date: February 15, 2012

Photographs



Posillico excavating trench line on eastern side of Albany Ave.



Posillico removing sidewalk from eastern side of Albany Ave.

Report No.: 38

EA Project File:

1447429

Date: February 15, 2012



View of excavation area and removed SCWA fence line.



View of supply and return air lines at centerline of Albany Ave., looking west.

Report No.: 38

EA Project File:

1447429

Date: February 15, 2012



View of 4-in. gas main along eastern edge of Albany Ave.



Posillico installing 6-in. air lines under gas main.

Report No.: 38

EA Project File:

1447429

Date: February 15, 2012



Posillico placing recycled concrete as road base material.



Temporary asphalt being placed on Albany Ave. and sidewalk.

Report No.: 38

EA Project File: 1447429

Date: February 15, 2012



View of temporary asphalt from DDC-07 to Albany Ave., standing at DDC-07 looking east.

# DAILY OBSERVATION REPORT

Report No.: 39 EA Project File: 1447429 Date: February 16, 2012

## EA Engineering, P.C.

6712 Brooklawn Parkway, Suite 104  
Syracuse, NY 13211-2158



**NYSDEC Division of Environmental Remediation**  
**Site Location: Albany St., Babylon, NY (Site No. 1-52-140)**

## Site No. 1-52-140

Contractor PM: AECOM – Walter Howard  
NYSDEC PM: Jeffrey Dyber  
Construction Manager: AECOM - Kent Wagener  
Air Monitoring: AECOM  
Health & Safety: AECOM

### Weather Conditions

General Description	Overcast/Rain	am	Overcast/Rain	Pm
Temperature	39	am	43	Pm
Wind Direction	2 mph ENE	am	7 mph SE	Pm

### HEALTH & SAFETY:

(\*If any box(s) below are checked "Yes", list the deviation under the "Items for Concern" section of this report).

Were there any changes to the Health & Safety Plan?	*Yes ( )	No (X)	NA ( )
Were there any exceedances at the perimeter action level reported on this date? Air:	*Yes ( )	No ( )	NA (X)
Were there any dust/odor issues reported or observed on this date?	*Yes ( )	No ( )	NA (X)

### WASTE HAULING:

(\*If any box(s) below are checked "Yes", list the deviation under the "Items for Concern" section of this report).

Were there any vehicles that did not display proper D.O.T. numbers and placards?	*Yes ( )	No ( )	NA (X)
Were there any vehicles which were not tarped?	*Yes ( )	No ( )	NA (X)

### Materials Removed From Site:

Disposal Facility: 110 Sand Company  
Total Loads (on this date): 0  
Total Loads (to date): 1  
Total Estimated Daily Weight (tons): 0  
Total Approximate\* Weight (tons): 17

\*Actual (total weight) adjusted periodically based on weight tickets submitted by the disposal facilities.

# DAILY OBSERVATION REPORT

Report No.: 39

EA Project File: 1447429

Date: February 16, 2012

## Summary of Events:

- Onsite at 07:00, spoke with Kent Wagoner and Sam Rowe (AECOM) regarding planned work for the day. Posillico Construction (Posillico) already onsite.
- Prior to the start of work, AECOM conducted health and safety meeting and discussed overall goals for day. No air monitoring conducted; no intrusive work.
- DDC well installation has been suspended until drill rig gear box has been repaired. Drilling activities are estimated to resume on 27 February 2012.
- Posillico conducted high-density polyethylene (HDPE) air line pressure tests. DDC-07, DDC-08, DDC-09, DDC-10, and two additional sets of spares air lines were pressure tested from western edge of Suffolk County Water Authority (SCWA) property. Before pressure testing, Posillico welded end caps (Submittal 15064-001A – HDPE Pipe and Fittings) to each air line via heat fusion. End caps were drilled and tapped to accommodate pressure gauges and air compressor connects. Test pressure was set at 20 psi, greater than 1.5 times the maximum blower pressure of 15 psi. Air lines were allowed to stand without makeup pressure for 20 minutes to allow for expansion of pipe. After equilibrium was established, air lines were pressurized to 23 psi, air compressors turned off, and the final test pressure was held for an hour. During the final test pressure, no pressure decreases or leaks were observed. All air lines passed pressure tests. Pressure testing was done in accordance with Section 15050 – Piping Installation of the NYSDEC Contract Documents.
- Once pressure testing was complete, area was backfilled using native material (fine-coarse sand). Material contained no rock, asphalt, or sharp edged debris. Backfilled material was compacted in 12-in. lifts using plate compactor to grade.
- Additional air line pressure testing will be conducted from permanent treatment trailers to air line sumps, once air line installation is complete.
- Posillico prefabricated 6-in. air line sump fittings and joints.
- EA received weigh ticket from 110 Sand Co. for DDC-06 drilling cuttings. See adjusted total approximate weight section in above section “Materials Removed From Site.”
- No concerns/complaints from residences were documented.
- Offsite at 14:30.

## VISITORS TO SITE:

NAME	Representing	Entered Exclusion/CRZ Zone	
None		Yes ( )	No ( )

## PROJECT SCHEDULE:

- DDC well installation (16 January – 02 April 2012).
- Install underground piping (30 January – 24 February 2012)
- Install airline sump (13 -17 February 2012)

# DAILY OBSERVATION REPORT

Report No.: 39

EA Project File: 1447429

Date: February 16, 2012

## ISSUES PENDING:

- None

## ITEMS OF CONCERN:

- None

**Site Representative:**

Robert Peterson

**Date:** 16 February 2012



Report No.: 39

EA Project File: 1447429

Date: February 16, 2012

Photographs



View of HDPE air lines and tapped pressure gauges.



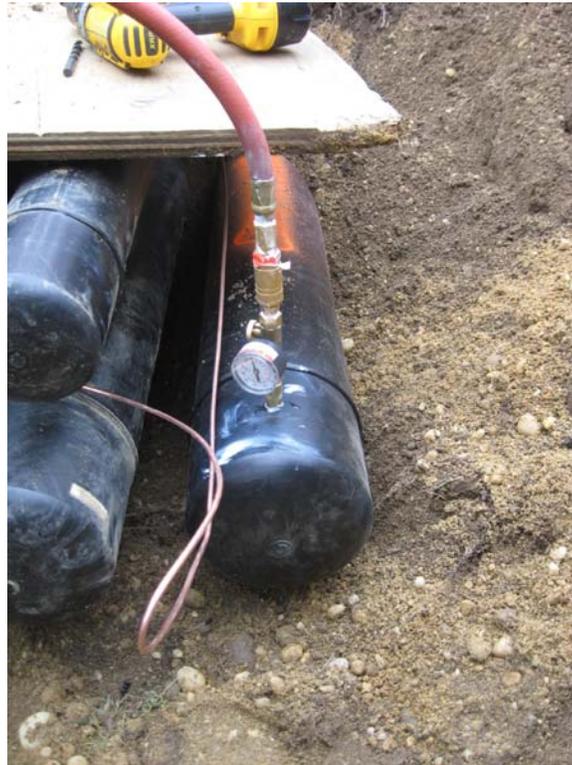
Pressure gauges and air compressor connection.

Report No.: 39

EA Project File:

1447429

Date: February 16, 2012



View of pressure test gauge and air compressor line.



Prefabricated 6-in. sumps aligned at sump location.