

## DAILY CONSTRUCTION ACTIVITIES REPORT

<b>RW-21 Project Area Remedy – South Recharge Basin and Grumman Road East Pipeline Installation</b>	<b>File No. 30054814</b>  <b>Date: 08-10-20</b>  <b><u>Day of Week:</u></b>  <b>S [M] T W T F S</b>
<b>Contractor – # personnel:</b>  <b>Posillico – 14</b> <b>Trio Testing – 1</b>	<b>Arcadis Personnel:</b>  <b>Construction Manager – Brian Loomis</b> <b>CAMP Scientist – Alyssa Hynes</b> <b>Public Relations Support – James Mileto/Stephen Messur</b>
<b>Weather: Sunny and clear</b>	<b>Temp: Low 80 F, High 95 F</b> <b>Wind: 2 to 7 MPH</b>

### **Health and Safety:**

- Arcadis and Posillico conducted a tailgate safety meeting prior to work activities beginning that covered hazards related to heat stress including the importance of hydration and inspection of excavations prior to entry. Also reviewed with crew Stop Work Authority and the planned daily work activities.
- Arcadis set up instrumentation to implement the Community Air Monitoring Plan (CAMP) to monitor for airborne particulates and volatile organic compounds upwind and downwind of the work area.
- Arcadis performed noise monitoring near the work zone.
- Arcadis managed pedestrian foot traffic adjacent to the work zone along Grumman Road East.

### **Subcontractor's Activities:**

- Posillico set up traffic control equipment along Grumman Road East.
- At the end of the day, HDPE piping was backfilled in the South Recharge Basin from Station 21+23 to Station 0+75, so an additional 95 linear feet was backfilled.
- At the end of the day, communication conduits in the South Recharge Basin were installed from Station 21+23 to Station 0+70, so an additional 80 linear feet of conduits were installed.
- At the end of the day, excavation was completed along Grumman Road East from Station 14+77 to Station 13+00, so an additional 98 linear feet was excavated.
- Posillico fused 150 linear feet of HDPE piping and staged along Grumman Road East.
- Posillico successfully completed air pressure testing of 16-inch HDPE carrier piping from Station 13+98 on Grumman Road East to Station 21+23 at the South Recharge Basin.
- Posillico installed the base for the air release vault along Grumman Road East at Station 13+78.
- Posillico hand sweep and used a power broom to clean soil generated from excavation activities.
- Trio Testing performed density testing on backfilled materials, which passed with results greater than 92% compaction for select fill and 95% for utility bedding.

### **Community Interactions:**

- A representative of the Bethpage Water District inspected the location of the formerly exposed water line.

**Upcoming Planned Activities:**

- Continue fusing HDPE pipe.
- Continue excavation and installation of HDPE piping and fittings.
- Continue backfilling.
- Continue installing communication conduits.

**Photos:**



**Pressure testing 16-inch HDPE carrier piping**



**Utilities at the 122-degree HDPE pipe radius**



**HDPE piping staged in the trench pending additional fusing and backfill**



**Fused HDPE piping staged along Grumman Road East pending installation**

## DAILY CONSTRUCTION ACTIVITIES REPORT

<b>RW-21 Project Area Remedy – South Recharge Basin and Grumman Road East Pipeline Installation</b>	<b>File No. 30054814</b>  <b>Date: 08-11-20</b>  <b><u>Day of Week:</u></b>  <b>S M [T] W T F S</b>
<b>Contractor – # personnel:</b>  <b>Posillico – 13</b> <b>Trio Testing – 1</b>	<b>Arcadis Personnel:</b>  <b>Construction Manager – Brian Loomis</b> <b>CAMP Scientist –</b> <b>Alyssa Hynes/Tom Giussetti</b> <b>Public Relations Support –</b> <b>James Mileto/Stephen Messur</b>
<b>Weather: Sunny and clear</b>	<b>Temp: Low 73 F, High 91 F</b> <b>Wind: 2 to 6 MPH</b>

### Health and Safety:

- Arcadis and Posillico conducted a tailgate safety meeting prior to work activities beginning that included a discussion of likely increased interactions with residents due to blocking a driveway and reviewed route to hospital. Also reviewed with crew Stop Work Authority and the planned daily work activities.
- Arcadis set up instrumentation to implement the Community Air Monitoring Plan (CAMP) to monitor for airborne particulates and volatile organic compounds upwind and downwind of the work area.
- Arcadis performed noise monitoring near the work zone.
- Arcadis managed pedestrian foot traffic adjacent to the work zone along Grumman Road East.

### Subcontractor's Activities:

- Posillico set up traffic control equipment along Grumman Road East.
- At the end of the day, HDPE piping was backfilled in the South Recharge Basin from Station 21+23 to Station 0+00 and along Grumman Road East from Station 14+77 to Station 14+50, so an additional 102 linear feet was backfilled.
- At the end of the day, communication conduits were installed in the South Recharge Basin from Station 21+23 to Station 0+00 and along Grumman Road East from Station 14+77 to Station 14+50, so an additional 97 linear feet of conduits were installed.
- At the end of the day, excavation was completed along Grumman Road East from Station 14+77 to Station 12+25, so an additional 75 linear feet was excavated.
- At the end of the day, HDPE pipe was installed along Grumman Road East from Station 14+77 to Station 12+48, so an additional 150 linear feet of HDPE pipe was installed.
- Posillico fused 100 linear feet of HDPE piping and staged along Grumman Road East.
- Posillico installed riser for the air release vault along Grumman Road East at Station 13+78.
- Posillico hand sweep and used a power broom to clean soil generated from excavation activities.
- Posillico secured the site at the end of the day with road plates and chain link fencing with the attenuator truck, arrow board, barrels, and cones deployed to direct traffic.
- Trio Testing performed density testing on backfilled materials, which passed with results greater than 92% compaction for select fill and 95% for utility bedding.

**Community Interactions:**

- None.

**Upcoming Planned Activities:**

- Continue fusing HDPE pipe.
- Continue excavation and installation of HDPE piping and fittings.
- Continue backfilling.
- Continue installing communication conduits.

**Photos:**



**HDPE piping from Station 12+48 toward Station 14+00 along Grumman Road East**



**Air release vault riser at Station 13+78 along Grumman Road East**



**Backfill placed in Corridor to south of Grumman Road East**



**Steel road plates securing the trench at the end of the day**

## DAILY CONSTRUCTION ACTIVITIES REPORT

<b>RW-21 Project Area Remedy – South Recharge Basin and Grumman Road East Pipeline Installation</b>	<b>File No. 30054814</b>  <b>Date: 08-12-20</b>  <b><u>Day of Week:</u></b>  <b>S M T [W] T F S</b>
<b>Contractor – # personnel:</b>  <b>Posillico – 13</b> <b>Trio Testing – 1</b>	<b>Arcadis Personnel:</b>  <b>Construction Manager – Brian Loomis</b> <b>CAMP Scientist –</b> <b>Alyssa Hynes/Tom Giussetti</b> <b>Public Relations Support –</b> <b>James Mileto/Stephen Messur</b>
<b>Weather: Mostly cloudy and humid</b>	<b>Temp: Low 73 F, High 89 F</b> <b>Wind: 2 to 5 MPH</b>

### Health and Safety:

- Arcadis and Posillico conducted a tailgate safety meeting prior to work activities beginning that covered hazards related to working near the edge of the trench excavation. Also reviewed with crew Stop Work Authority and the planned daily work activities.
- Arcadis set up instrumentation to implement the Community Air Monitoring Plan (CAMP) to monitor for airborne particulates and volatile organic compounds upwind and downwind of the work area.
- Arcadis performed noise monitoring near the work zone.
- Arcadis managed pedestrian foot traffic adjacent to the work zone along Grumman Road East.

### Subcontractor's Activities:

- Posillico set up traffic control equipment along Grumman Road East.
- At the end of the day, HDPE piping was backfilled from Station 14+77 to Station 13+80, so an additional 70 linear feet were backfilled.
- At the end of the day, communication conduits were installed from Station 14+77 to Station 13+45, so an additional 105 linear feet of conduits were installed.
- At the end of the day, excavation was completed from Station 14+77 to Station 11+35, so an additional 90 linear feet was excavated.
- Posillico fused an annular closure fitting to previously fabricated HDPE piping and staged along Grumman Road East.
- Posillico re-installed an approximate 1.5 feet thick concrete protective cap that had been removed from above the subsurface power lines associated with Well 19 that crossed Grumman Road East.
- Posillico installed the riser and lid for the air release vault along Grumman Road East at Station 13+78.
- A Posillico excavator operator noticed a mist/spray from a hydraulic line and immediately grounded the bucket on the asphalt and de-energized the machine. A pail was placed under the source of the leak, absorbent rags were tied around the leaking line, and soil was placed in the leak area to absorb oil. The oil leaked onto asphalt and was quickly collected without entering a storm drain. Soil and rags that contacted hydraulic oil were containerized in the pail placed under the leak and this material will be properly disposed of by Posillico. It is estimated that less than one gallon of hydraulic oil leaked.

- Posillico hand sweep and used a power broom to clean soil generated from excavation activities.
- Posillico secured the site at the end of the day with road plates and chain link fencing with the attenuator truck, arrow board, barrels, and cones deployed to direct traffic.
- Trio Testing performed density testing on backfilled materials, which passed with results greater than 92% compaction for select fill and 95% for utility bedding.

**Community Interactions:**

- Rich Porcelli from Town of Oyster Bay.

**Upcoming Planned Activities:**

- Continue excavation and installation of HDPE piping and fittings.
- Continue backfilling.
- Continue installing communication conduits.

**Photos:**



**Placing concrete above the electric lines crossing Grumman Road East**



**Air release vault riser with opening grouted at Station 13+78 along Grumman Road East**



**Backfill placed along Grumman Road East**



**Stone road subbase material installed above the 122-degree radius on Grumman Road East**

## DAILY CONSTRUCTION ACTIVITIES REPORT

<b>RW-21 Project Area Remedy – South Recharge Basin and Grumman Road East Pipeline Installation</b>	<b>File No. 30054814</b>  <b>Date: 08-19-20</b>  <u><b>Day of Week:</b></u>  <b>S M T [W] T F S</b>
<b>Contractor – # personnel:</b>  <b>Posillico – 12</b>	<b>Arcadis Personnel:</b>  <b>Construction Manager – Brian Loomis</b> <b>CAMP Scientist – Thomas Giusetti</b> <b>Public Relations Support –</b> <b>James Mileto/Steve Messur</b>
<b>Weather: Overcast with light rain throughout the day</b>	<b>Temp: Low 70 F, High 84 F</b> <b>Wind: 0 to 5 MPH</b>

### Health and Safety:

- Arcadis and Posillico conducted a tailgate safety meeting prior to work activities beginning that covered hazard awareness and assessing risks with changing conditions. Also reviewed with crew the planned daily work activities.
- Arcadis set up instrumentation to implement the Community Air Monitoring Plan (CAMP) to monitor for airborne particulates and volatile organic compounds upwind and downwind of the work area.
- Arcadis performed noise monitoring near the work zone.
- Arcadis managed pedestrian foot traffic adjacent to the work zone along Grumman Road East.

### Subcontractor's Activities:

- Posillico set up traffic control equipment along Grumman Road East.
- At the end of the day, excavation was completed from Station 14+77 to Station 7+00, so an additional 110 linear feet was excavated.
- Posillico fabricated two HDPE pipe sections including annular closure and leak detection fittings for future installation.
- No additional HDPE pipe or communication conduits were installed.
- No additional backfilling was performed.
- No additional road subbase or asphalt binder were installed.
- Posillico completed the excavation in the Corridor for the leak detection vault.
- Posillico hand swept and used a power broom to clean soil generated from excavation activities.
- Posillico secured the site at the end of the day with road plates and chain link fencing with the attenuator truck, arrow board, barrels, and cones deployed to direct traffic.

### Community Interactions:

- A representative of the Bethpage Water District visited site to observe work near a water line.

**Upcoming Planned Activities:**

- Continue fusing HDPE pipe.
- Continue excavation and installation of HDPE piping and fittings.
- Continue installing communication conduits.
- Continue backfilling.
- Install leak detection manhole in the Corridor.

**Photos:**

 A photograph showing a road construction site. In the foreground, a large orange and white striped traffic barrel sits on a wet asphalt surface. Behind it, a rectangular road plate covers a trench. In the background, a yellow CAT excavator is working on a road, and a large black pipe is being laid out on the ground.	 A photograph of a deep excavation site. A blue tarp is draped over the left side of the trench. A vertical pipe is visible in the center of the excavation, surrounded by soil and rock.
<p><b>Road plates covering trench and fusing pipe in background</b></p>	<p><b>Excavation for leak detection manhole in Corridor</b></p>
 A photograph showing a long, narrow trench excavated in a road. The trench is filled with brown soil. A yellow broom lies on the asphalt surface next to the trench. The trench appears to contain utilities, as mentioned in the caption.	 A photograph showing a large black HDPE pipe being fused. The pipe is supported by a green machine with a large wheel. A brown tarp is draped over the machine. The scene is outdoors on a paved road.
<p><b>Pipe trench excavated with visible water line and storm sewer utilities</b></p>	<p><b>Fusing HDPE pipe</b></p>



## DAILY CONSTRUCTION ACTIVITIES REPORT

<b>RW-21 Project Area Remedy – South Recharge Basin and Grumman Road East Pipeline Installation</b>	<b>File No. 30054814</b>  <b>Date: 08-20-20</b>  <u><b>Day of Week:</b></u>  <b>S M T W [T] F S</b>
<b>Contractor – # personnel:</b>  <b>Posillico – 12</b> <b>Trio Testing – 1</b>	<b>Arcadis Personnel:</b>  <b>Construction Manager – Brian Loomis</b> <b>CAMP Scientist – Thomas Giusetti</b> <b>Public Relations Support – James Mileto</b>
<b>Weather: Clear</b>	<b>Temp: Low 61 F, High 79 F</b> <b>Wind: 0 to 5 MPH</b>

### Health and Safety:

- Arcadis and Posillico conducted a tailgate safety meeting prior to work activities beginning that covered detailed directions to the hospital. Also reviewed with crew the planned daily work activities.
- Arcadis set up instrumentation to implement the Community Air Monitoring Plan (CAMP) to monitor for airborne particulates and volatile organic compounds upwind and downwind of the work area.
- Arcadis performed noise monitoring near the work zone.
- Arcadis managed pedestrian foot traffic adjacent to the work zone along Grumman Road East.

### Subcontractor's Activities:

- Posillico set up traffic control equipment along Grumman Road East.
- At the end of the day, excavation was completed from Station 14+77 to Station 6+60, so an additional 40 linear feet was excavated.
- Posillico installed two previously fabricated HDPE piping sections including annular closure and leak detection fittings. At the end of the day, HDPE pipe was installed from Station 14+77 to Station 6+60, so an additional 310 linear feet were installed.
- No additional communication conduits were installed.
- Posillico completed placing backfill to Station 10+80.
- Posillico installed the leak detection vault manhole riser, lid, and cover at Station 0+48 in the Corridor.
- Posillico hand swept and used a power broom to clean soil generated from excavation activities.
- Posillico secured the site at the end of the day with road plates. An attenuator truck, arrow board, barrels, and cones were deployed to direct traffic.
- Trio Testing performed density testing on backfilled materials, which passed with results greater than 92% compaction for select fill and 95% for utility bedding.

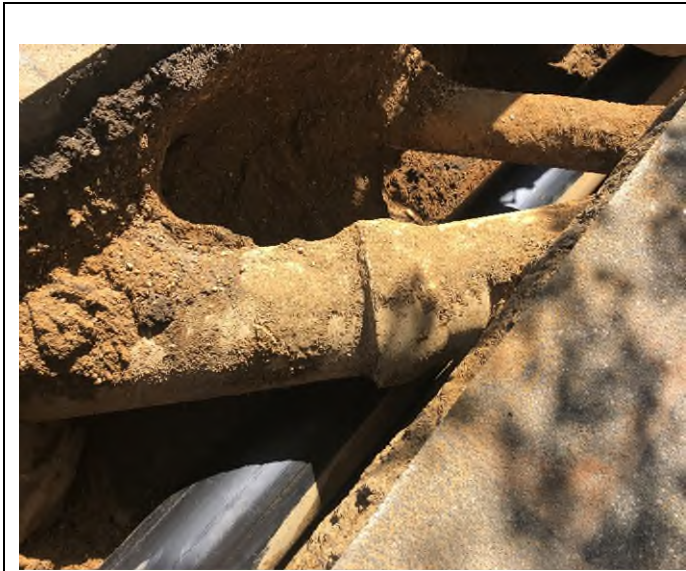
### Community Interactions:

- A representative of the Bethpage Water District visited site to observe work near a water line.
- Matt Russo from the Town of Oyster Bay.

**Upcoming Planned Activities:**

- Continue fusing HDPE pipe.
- Continue excavation and installation of HDPE piping and fittings.
- Continue installing communication conduits.
- Continue backfilling HDPE pipe and communication conduits.
- Backfill leak detection manhole in the Corridor.

**Photos:**



**HDPE pipe under storm sewer lines  
near Station 8+00**



**Leak detection manhole vault, lid, and cover  
at Station 0+48 in the Corridor**



**HDPE pipe running parallel to storm sewer line**



**HDPE pipe adjacent to storm sewer manhole**

## DAILY CONSTRUCTION ACTIVITIES REPORT

<b>RW-21 Project Area Remedy – South Recharge Basin and Grumman Road East Pipeline Installation</b>	<b>File No. 30054814</b>  <b>Date: 08-21-20</b>  <u><b>Day of Week:</b></u>  <b>S M T W T [F] S</b>
<b>Contractor – # personnel:</b>  <b>Posillico – 12</b> <b>Trio Testing – 1</b>	<b>Arcadis Personnel:</b>  <b>Construction Manager – Brian Loomis</b> <b>CAMP Scientist – Thomas Giusetti</b> <b>Public Relations Support – James Mileto</b>
<b>Weather: Clear</b>	<b>Temp: Low 66 F, High 84 F</b> <b>Wind: 0 to 5 MPH</b>

### Health and Safety:

- Arcadis and Posillico conducted a tailgate safety meeting prior to work activities beginning that covered working near suspended loads. Also reviewed with crew the planned daily work activities.
- Arcadis set up instrumentation to implement the Community Air Monitoring Plan (CAMP) to monitor for airborne particulates and volatile organic compounds upwind and downwind of the work area.
- Arcadis performed noise monitoring near the work zone.
- Arcadis managed pedestrian foot traffic adjacent to the work zone along Grumman Road East.

### Subcontractor's Activities:

- Posillico set up traffic control equipment along Grumman Road East.
- No additional excavation was completed on 08-21-20.
- Posillico removed approximately 75 linear feet of asphalt from Station 6+60 to Station 5+85 in preparation for excavation activities.
- No additional HDPE piping was installed on 08-21-20.
- Posillico fused 150 linear feet of HDPE pipe and staged for future installation.
- At the end of the day, communication conduits were installed from Station 14+77 to Station 8+20, so an additional 255 linear feet of conduits were installed.
- At the end of the day, HDPE piping was backfilled from Station 14+77 to Station 8+30, so an additional 250 linear feet were backfilled.
- Posillico placed 0.5 feet of NYSDOT Type 4 subbase material to establish subgrade for the binder course from Station 10+80 to Station 8+30.
- Posillico installed 4 inches of asphalt binder to restore to the surrounding grade from Station 10+85 to Station 8+35.
- Posillico installed an electrical pull box on the south side of Grumman Road East.
- Posillico grouted the opening around the conduit for the leak detection vault manhole riser in the Corridor at Station 0+48 and prepared the area for backfilling.
- Posillico hand swept and used a power broom to clean soil generated from excavation activities.
- Posillico secured the site at the end of the day with road plates. An attenuator truck, arrow board, barrels, and cones were deployed to direct traffic.
- Trio Testing performed density testing on backfilled materials, which passed with results greater than 92% compaction for select fill and 95% for utility bedding.

**Community Interactions:**

- A representative of the Bethpage Water District visited site to observe work near a water line.

**Upcoming Planned Activities:**

- Continue fusing HDPE pipe.
- Continue excavation and installation of HDPE piping and fittings.
- Continue installing communication conduits.
- Continue backfilling.
- Backfill leak detection manhole in the Corridor.

**Photos:**



**Electric vault along Grumman Road East**



**Placing backfill**



**Placing asphalt binder**



**Compacting asphalt binder**