

**Weekly Construction Progress Report #1****Period:** 07/11/11 - 07/17/11Project Work Performed:

- Conducted project kickoff meeting on July 7, 2011, with USEPA, USACE, Tierra, Brown and Caldwell, Weeks Marine, and ARCADIS staffs to coordinate tieback and enclosure construction activities.
- Began mobilization of select project personnel to the 80 Lister Avenue Property (OU-1 Property) on Tuesday July 12, 2011.
- Completed fence removal activities along the OU-1 Property floodwall. Fence material will be temporarily stored at the OU-1 Property until reinstallation.
- Began installation of temporary facilities at the OU-1 Property.
- Fairmount Property (Upland Processing Facility – UPF). Property owner began site preparation activities.

Planned Activities - Weeks of 7/18 & 7/25:

- Continue the mobilization and setup of temporary site facilities, including Weeks Marine's construction trailer.
- Complete the construction of access road improvements (geoweb material and aggregate) at the OU-1 Property.
- Structural survey and assessment activities for the Sherwin-Williams, OU-1 Property, and Singer Realty Floodwalls.
- Project kickoff meeting scheduled for July 27, 2011, with USEPA, USACE, Tierra, Brown and Caldwell, ABSCOPE, SECI, and ARCADIS staffs to coordinate UPF construction activities.
- UPF Property Owner will complete material pile relocation and site soil sampling activities.

Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Loss Prevention Observation (LPO) – 0 (0)
  - Job Loss Analysis (JLAs) – 8 (8)
  - Near Loss – 0 (0)
  - Incidents – 0 (0)
  - Stop Work Authority 0 – (0)
  - Estimated field man hours - 190 hours.
- Conducted local responders meeting with local police, fire, and USCG staff to coordinate emergency preparedness items on July 7, 2011.
- Weekly project meetings commenced during the week of July 18<sup>th</sup>.
- The first round of health and safety training (including LPS) is scheduled for August 1<sup>st</sup> at Weeks Marine in Cranford, New Jersey in preparation for tieback/enclosure construction activities.

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey***View along the OU-1 Property floodwall with fence removed**The fence at the OU-1 Property during removal**Weeks Marine construction trailer during installation*

**Weekly Construction Progress Report #1  
(Continued)**

**Period:** 07/11/11 - 07/17/11

Construction Quality Assurance/Safety (continued):

- ARCADIS has completed sampling of scour protection materials for laboratory analysis.

Prepared by Matthew Bowman, July 19, 2011

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



*UPF after grading by the Property Owner*

**Weekly Construction Progress Report #1  
(Continued)**

Period: 07/11/11 - 07/17/11



**UPF Property**

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey

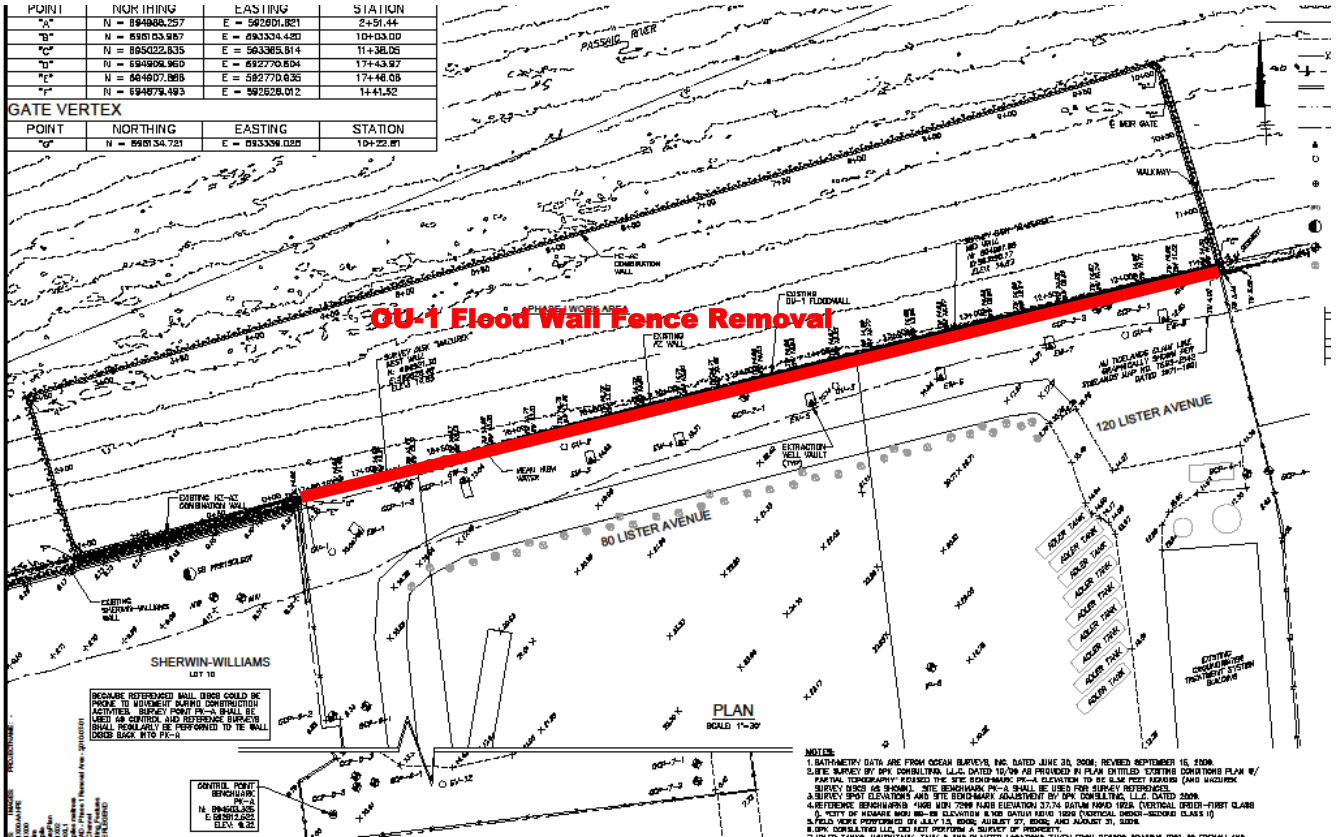
### Weekly Construction Progress Report #1 (Continued)

Period: 07/11/11 - 07/17/11

POINT	NORTHING	EASTING	STATION
"A"	N = 894985.257	E = 592851.351	2+51.44
"B"	N = 895153.887	E = 593336.422	10+03.00
"C"	N = 895022.635	E = 593365.514	11+38.05
"D"	N = 894904.960	E = 592770.604	17+43.97
"E"	N = 864607.888	E = 582770.636	17+48.08
"F"	N = 894678.493	E = 592628.012	14+41.92

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 898134.721	E = 593336.020	10+22.81



### OU-1 Property

## Weekly Construction Progress Report #2

**Period:** 07/18/11 - 07/24/11

### Project Work Performed:

- Complete the construction of access road improvements (geoweb material and aggregate) at the 80 Lister Avenue Property (OU-1 Property).
- Continue the mobilization and setup of temporary site facilities, including electrical work for equipment and trailers at the OU-1 Property.
- Fairmount Property (Upland Processing Facility – UPF). Property owner continued site preparation activities.

### Planned Activities - Weeks of 7/25 & 8/1:

- Continue the mobilization and setup of temporary site facilities, including electrical work for equipment and trailers at the OU-1 Property.
- Complete the construction of access road improvements (geogrid material and aggregate) at the OU-1 Property.
- Structural survey and assessment activities for the Sherwin-Williams, OU-1 Property, and Singer Realty Floodwalls.
- Begin core drilling of the OU-1 floodwall in preparation of the drilling and installation of tiebacks.
- UPF Property Owner will complete site preparation activities. ARCADIS will complete an existing conditions survey of the UPF Property.
- Begin UPF site improvement mobilization and site preparation activities including establishing soil erosion and sedimentation controls and access road construction and decontamination pad construction.
- Project kickoff meeting scheduled for July 27, 2011, with USEPA, USACE, Tierra, Brown and Caldwell, Abscope, SECI, and ARCADIS staffs to coordinate UPF construction activities.

### Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Loss Prevention Observation (LPO) – 1 (1)
  - Job Loss Analysis (JLAs) – 2 (10)
  - Near Loss – 0 (0)
  - Incidents – 0 (0)
  - Stop Work Authority 1 – (2)
  - Estimated field man hours - **XXX** hours.
- The first round of health and safety training (including LPS) is scheduled for August 1<sup>st</sup> at Weeks Marine in Cranford, New Jersey in preparation for tieback/enclosure construction activities.
- Initial bathymetry survey and background sound monitoring activities have been scheduled for the week of August 15, 2011.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Access road construction at the OU-1 Property*



*Geogrid material during access road construction*



*Compaction of access road improvements at the OU-1 Property*

**Weekly Construction Progress Report #2  
(Continued)**

**Period:** 07/18/11 - 07/24/11

Construction Quality Assurance/Safety (continued):

- ARCADIS has completed sampling of UPF site improvement aggregate fill materials for laboratory analysis.

Prepared by Matthew Bowman, July 26, 2011

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



*Completed improved access road at the OU-1 Property*

**Weekly Construction Progress Report #2  
(Continued)**

**Period:** 07/18/11 - 07/24/11



**UPF Property**

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**

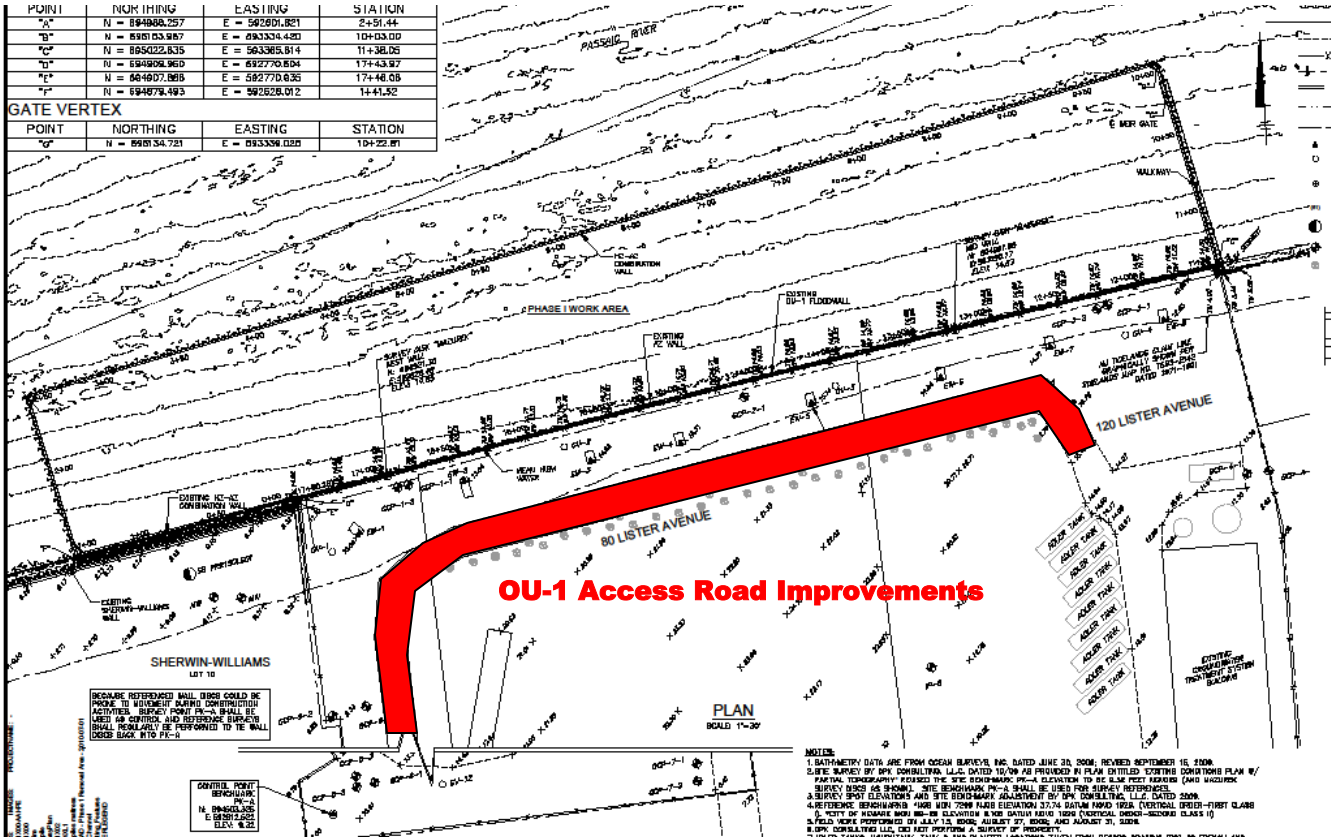
**Weekly Construction Progress Report #2  
(Continued)**

Period: 07/18/11 - 07/24/11

POINT	NORTHING	EASTING	STATION
"A"	N = 894985.257	E = 592851.351	2+51.44
"B"	N = 895015.887	E = 593336.422	10+03.00
"C"	N = 895022.635	E = 593365.514	11+38.05
"D"	N = 894904.960	E = 692770.604	17+43.97
"E"	N = 864607.888	E = 592770.635	17+48.08
"F"	N = 894678.493	E = 592628.012	14+41.92

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 898034.721	E = 693336.020	10+22.81



**OU-1 Property**



## Weekly Construction Progress Report #37

**Period:** 03/26/12 – 04/01/12

### Project Work Performed:

- Continued dredging of sediment throughout the week.
- Continued sediment screening, pumping, processing, and water treatment.
- Dredging and processing is approximately 25% complete.
- Continued the loading, tarping, and transportation of intermodal containers for processed sediment. Approximately 5,760 tons of processed sediment has been loaded into intermodal containers (a total of 250 containers) and transported to the transload facility for loading onto railcars to date. 19 containers of coarse solids with a total of 420 tons of material has been transported to the transload facility to date.
- Continued optimization of the systems of the project including screens, conveyors, polymers dosages, and backwash cycles.

### Planned Activities - Weeks of 04/02 & 04/07:

- Continue dredging of sediment within the first six feet of sediment depth within the enclosure.
- Continue sediment screening, pumping, processing, and water treatment.
- Continue the loading, tarping, and transportation of intermodal containers for processed sediment. The first intermodal boxes of sediment are expected to arrive at the landfill on April 2, 2012.
- Continue optimization of the systems of the project including screens, conveyors, polymers dosages, and backwash cycles.

### Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 2 (68)
  - Job Loss Analysis (JLAs) – 0 (36)
  - Near Loss – 0 (16)
  - Incidents – 0 (4)
  - Stop Work Authority 0 – (29)
  - Estimated field man hours to date – 75,900 hours.
- Daily perimeter air monitoring sample collection continued through dredging and sediment processing activities.
- Worker safety air monitoring and sound monitoring at the OU-1 and UPF properties has continued.
- Continued collection of performance monitoring inclinometer readings and tide gauge data.
- Completed performance testing on the water treatment system. Performance testing results indicated the water treatment discharge water was within permissible limits.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Tarped material barge at the enclosure*



*Dredge Bucket*



*Air Monitoring Stations at the UPF Site*

**Weekly Construction Progress Report #37  
(Continued)**

**Period:** 03/26/12 – 04/01/12

Construction Quality Assurance/Safety (continued):

- Geokon load cells for the tiebacks are in operation and being monitored.
- Underwater sound monitoring event is scheduled for the Week of April 9, 2012.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman, April 2, 2012

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



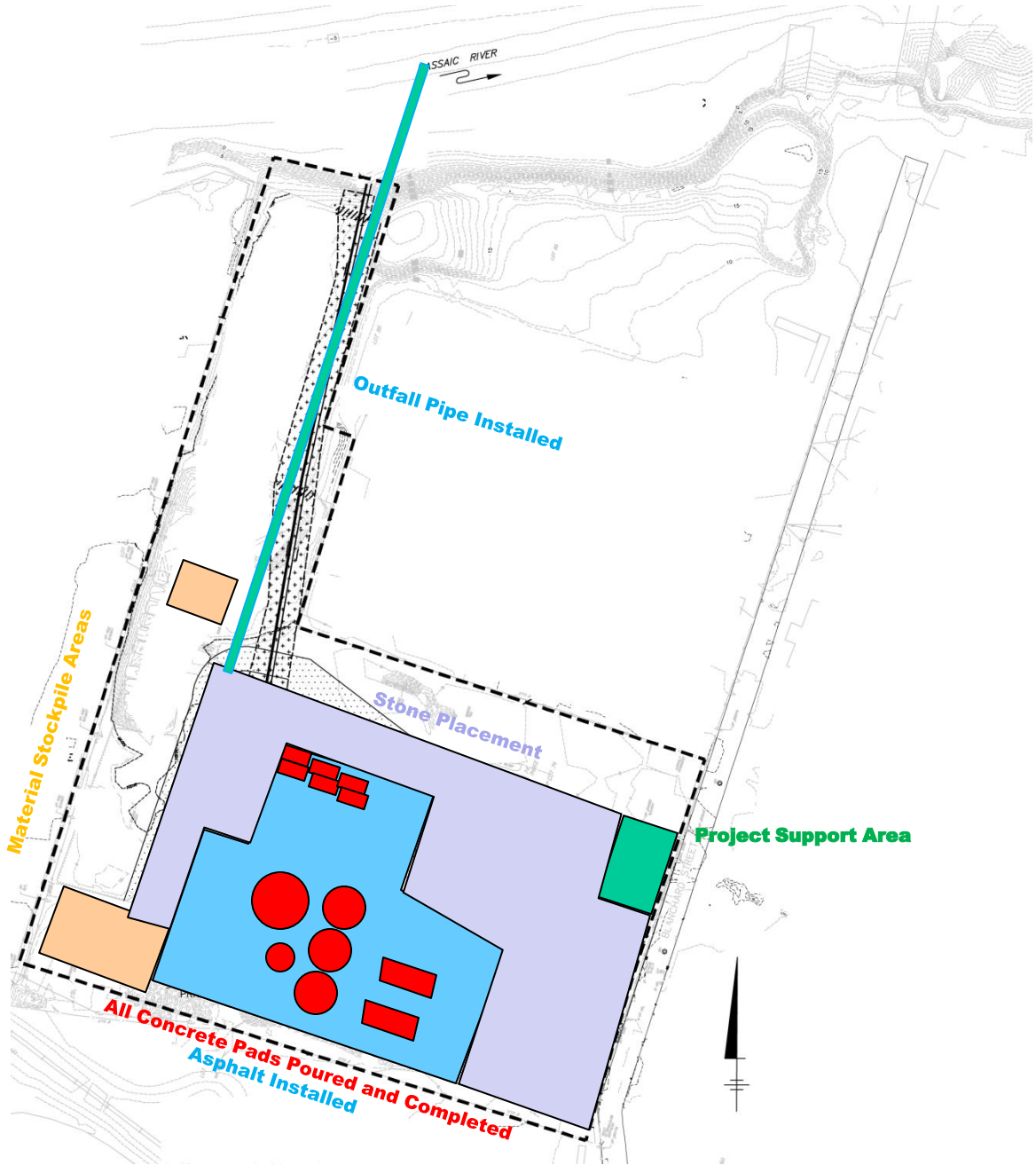
*Computer display in the sediment processing system control room*



*Filter cake processed at the Site*

**Weekly Construction Progress Report #37  
(Continued)**

Period: 03/26/12 – 04/01/12



**UPF Property**

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey

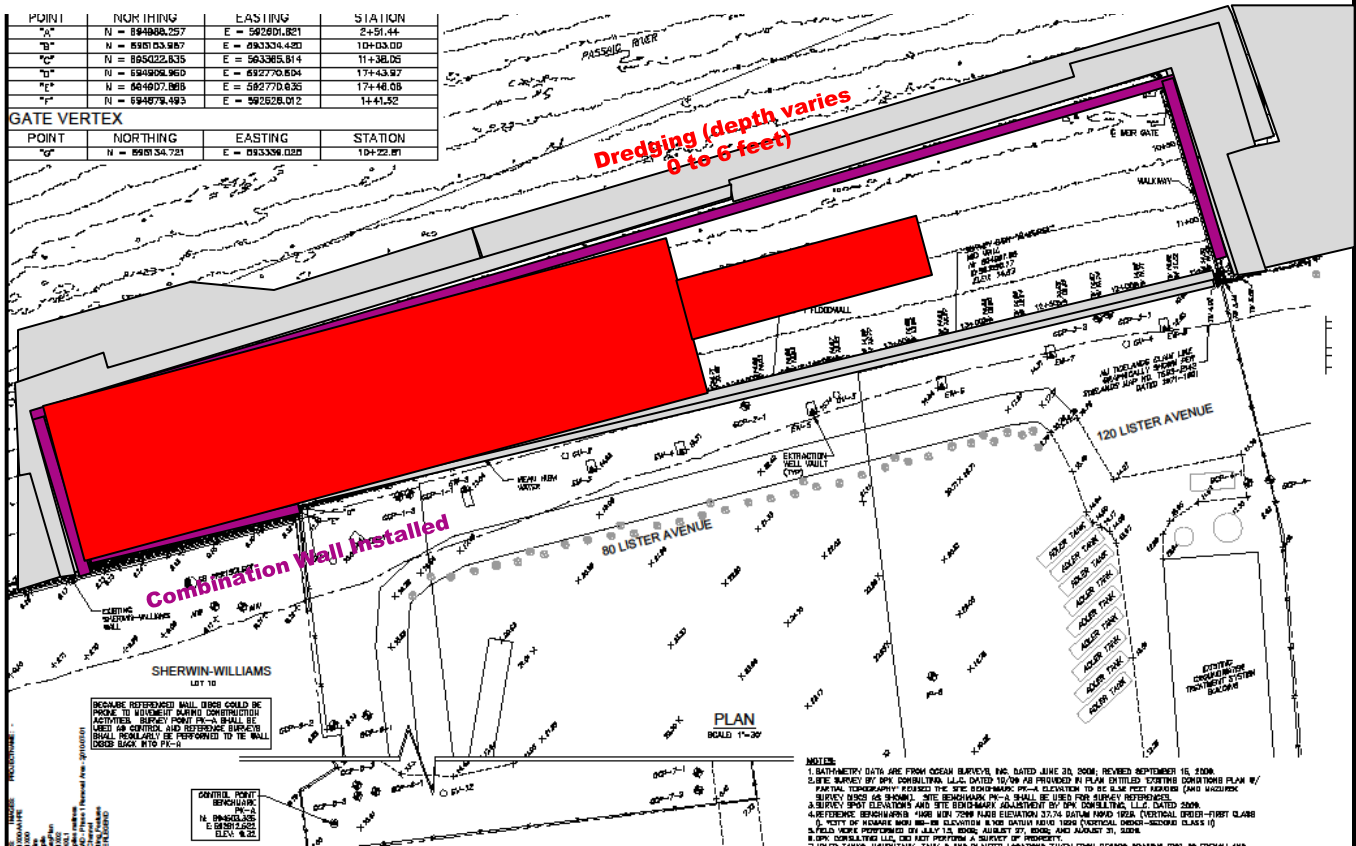
### Weekly Construction Progress Report #37 (Continued)

Period: 03/26/12 – 04/01/12

POINT	NORTHING	EASTING	STATION
"A"	N = 894866.257	E = 592501.821	2+51.44
"B"	N = 895153.887	E = 593334.420	10+33.00
"C"	N = 895022.635	E = 593365.814	11+38.05
"D"	N = 894908.960	E = 592770.604	17+43.97
"E"	N = 894907.868	E = 592770.636	17+46.08
"F"	N = 894878.493	E = 592628.012	14+1.52

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 895134.721	E = 593336.020	10+22.81



### OU-1 Property

## Weekly Construction Progress Report #38

Period: 04/02/12 – 04/08/12

### Project Work Performed:

- Continued dredging of sediment throughout the week.
- Continued sediment screening, pumping, processing, and water treatment.
- Dredging and processing is approximately 35% complete.
- Continued the loading, tarping, and transportation of intermodal containers for processed sediment. Approximately 7,980 tons of processed sediment has been loaded into intermodal containers (a total of 346 containers) and transported to the transload facility for loading onto railcars to date. 27 containers of coarse solids with a total of 595 tons of material has been transported to the transload facility to date.
- Continued optimization of the systems of the project including screens, conveyors, polymers dosages, and backwash cycles.

### Planned Activities - Weeks of 04/09 & 04/16:

- Continue dredging of sediment within the first six feet of sediment depth within the east end of the enclosure.
- Continue sediment screening, pumping, processing, and water treatment.
- Continue the loading, tarping, and transportation of intermodal containers for processed sediment. Intermodal containers continue to arrive at the Site. The first debris offloading event at the OU-1 is tentatively scheduled for the week of April 9, 2012.
- Continue optimization of the systems of the project including screens, conveyors, polymers dosages, and backwash cycles.

### Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 2 (70)
  - Job Loss Analysis (JLAs) – 0 (36)
  - Near Loss – 1 (17) – A 200-pound intact gas cylinder was recovered from the sediment within the enclosure during dredging.
  - Incidents – 0 (4)
  - Stop Work Authority 0 – (29)
  - Estimated field man hours to date – 79,400 hours.
- Daily perimeter air monitoring sample collection continued through dredging and sediment processing activities.
- Worker safety air monitoring and sound monitoring at the OU-1 and UPF properties has continued.
- Continued collection of performance monitoring inclinometer readings and tide gauge data.
- An underwater sound monitoring event will be conducted at the Site during the week of April 9, 2012.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Dredge excavator dredging sediment*



*Yard tractor used for container management*



*Sediment screening activities at the enclosure*

## Weekly Construction Progress Report #38 (Continued)

**Period:** 04/02/12 – 04/08/12

### Construction Quality Assurance/Safety (continued):

- Completed performance testing on the water treatment system. Performance testing results indicated the water treatment discharge water was within permissible limits.
- Geokon load cells for the tiebacks are in operation and being monitored.
- Underwater sound monitoring event is scheduled for the Week of April 9, 2012.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman, April 10, 2012

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



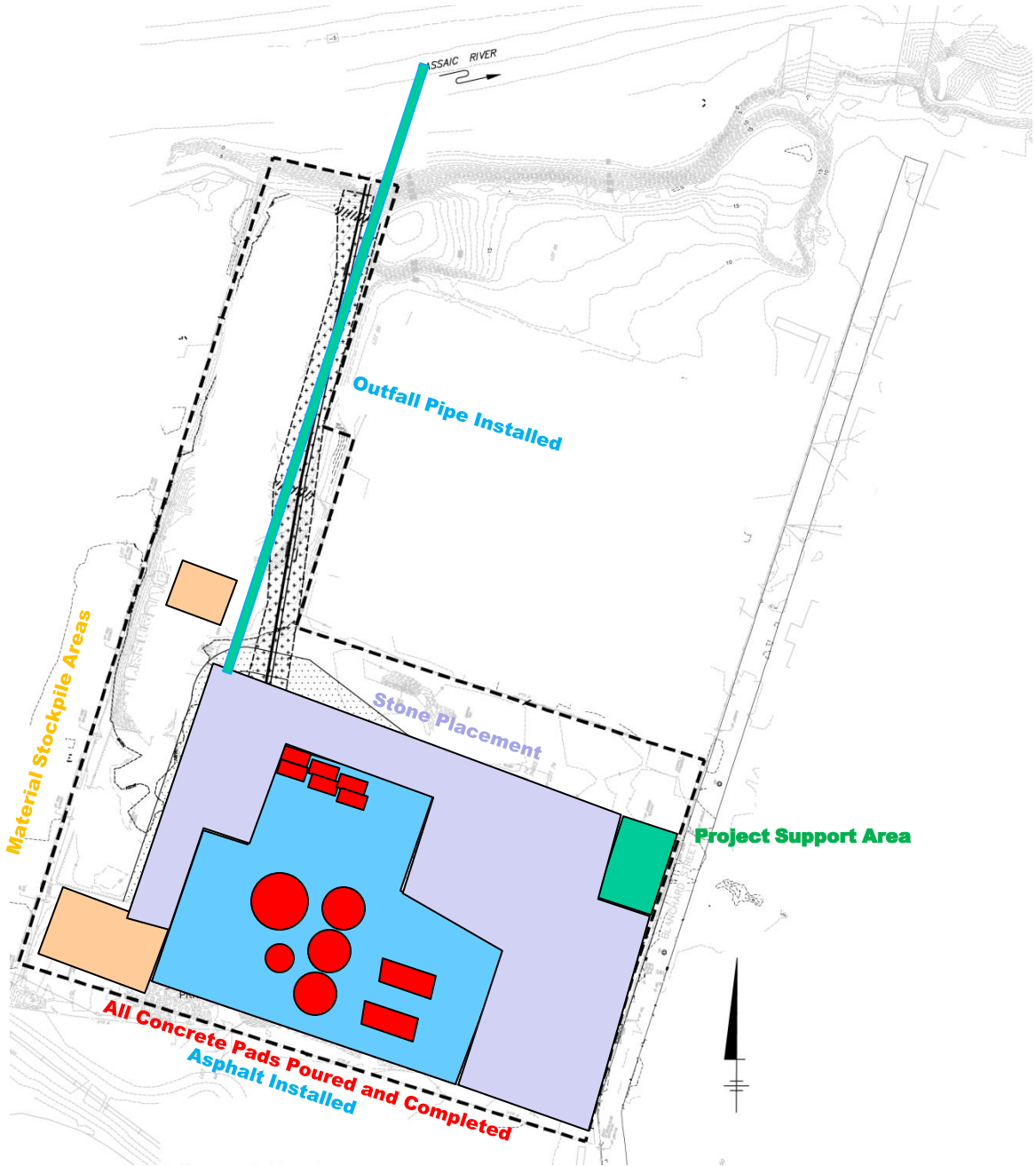
*Debris material in the debris barge*



*Water sampling packaging for shipment*

**Weekly Construction Progress Report #38  
(Continued)**

Period: 04/02/12 – 04/08/12



**UPF Property**

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey

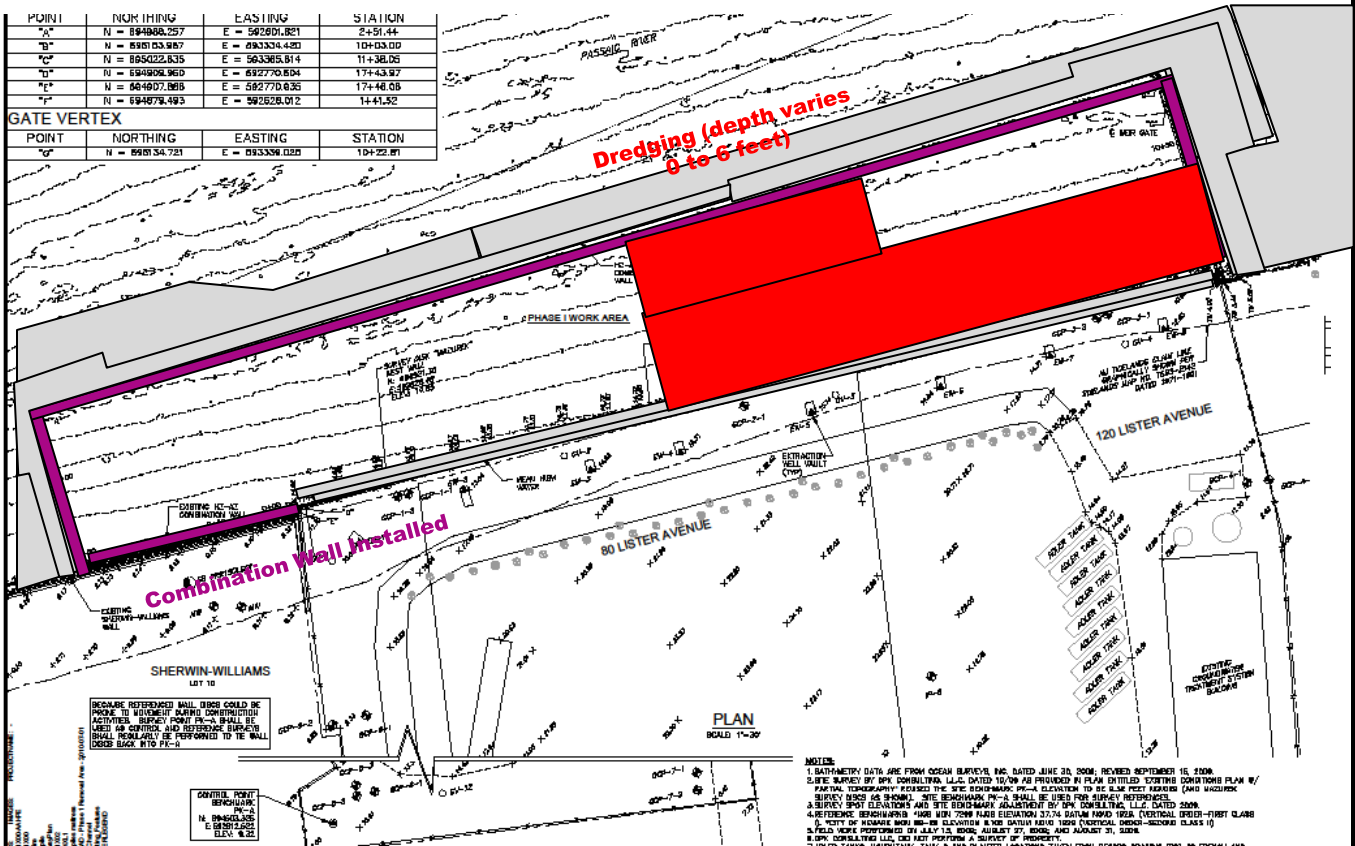
### Weekly Construction Progress Report #38 (Continued)

Period: 04/01/12 – 04/08/12

POINT	NORTHING	EASTING	STATION
"A"	N = 894866.257	E = 592501.821	2+51.44
"B"	N = 895153.887	E = 593334.420	10+33.00
"C"	N = 895022.635	E = 593365.814	11+38.05
"D"	N = 894908.960	E = 592770.604	17+43.97
"E"	N = 894907.868	E = 592770.636	17+46.08
"F"	N = 894878.493	E = 592628.012	14+1.52

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 895134.721	E = 593336.020	10+22.81



### OU-1 Property



## Weekly Construction Progress Report #39

**Period:** 04/09/12 – 04/15/12

### Project Work Performed:

- Continued dredging of sediment throughout the week.
- Continued sediment screening, pumping, processing, and water treatment. Dredging and processing is approximately 45% complete.
- Continued the loading, tarping, and transportation of intermodal containers for processed sediment. Approximately 10,375 tons of processed sediment has been loaded into intermodal containers (a total of 450 containers) and transported to the transload facility for loading onto railcars to date. 36 containers of coarse solids with a total of 795 tons of material has been transported to the transload facility to date. 7 boxes were filled with 160 tons of debris material from the debris barge at the OU-1 last week.
- Continued optimization of the systems of the project including screens, conveyors, polymers dosages, and backwash cycles.

### Planned Activities - Weeks of 04/16 & 04/23:

- Complete dredging of sediment within the first six feet of sediment depth within the east end of the enclosure. Began dredging of the bottom six feet of material in the west end of the enclosure.
- Continue sediment screening, pumping, processing, and water treatment.
- Continue the loading, tarping, and transportation of intermodal containers for processed sediment. Intermodal containers continue to arrive at the Site.
- Continue optimization of the systems of the project including screens, conveyors, polymers dosages, and backwash cycles.

### Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 2 (72)
  - Job Loss Analysis (JLAs) – 0 (36)
  - Near Loss – 1 (18) – An unknown gas cylinder was recovered adjacent to the work area (floated to the Site via the Passaic River) and was removed by local emergency response personnel.
  - Incidents – 0 (4)
  - Stop Work Authority 0 – (29)
  - Estimated field man hours to date – 82,900 hours.
- Daily perimeter air monitoring sample collection continued through dredging and sediment processing activities.
- Worker safety air monitoring at the OU-1 and UPF properties has continued.
- Continued collection of performance monitoring inclinometer readings and tide gauge data.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Removal of dredged material from barge for screening*



*Dredging activities looking west in the enclosure*



*Tide gauge and inclinometer data collection*

## Weekly Construction Progress Report #39 (Continued)

**Period:** 04/09/12 – 04/15/12

### Construction Quality Assurance/Safety (continued):

- An underwater sound monitoring event was conducted at the Site during the week of April 9, 2012. The next event will be conducted during early May.
- Continued performance testing on the water treatment system. Performance testing results indicated the water treatment discharge water was within permissible limits. 80,000 pounds of carbon will be switched out during the week of April 23, 2012.
- Bathymetry survey will be performed by OSI on Cells 6, 8, and 9 on April 18, 2012.
- Geokon load cells for the tiebacks are in operation and being monitored.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman,  
April 18, 2012

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



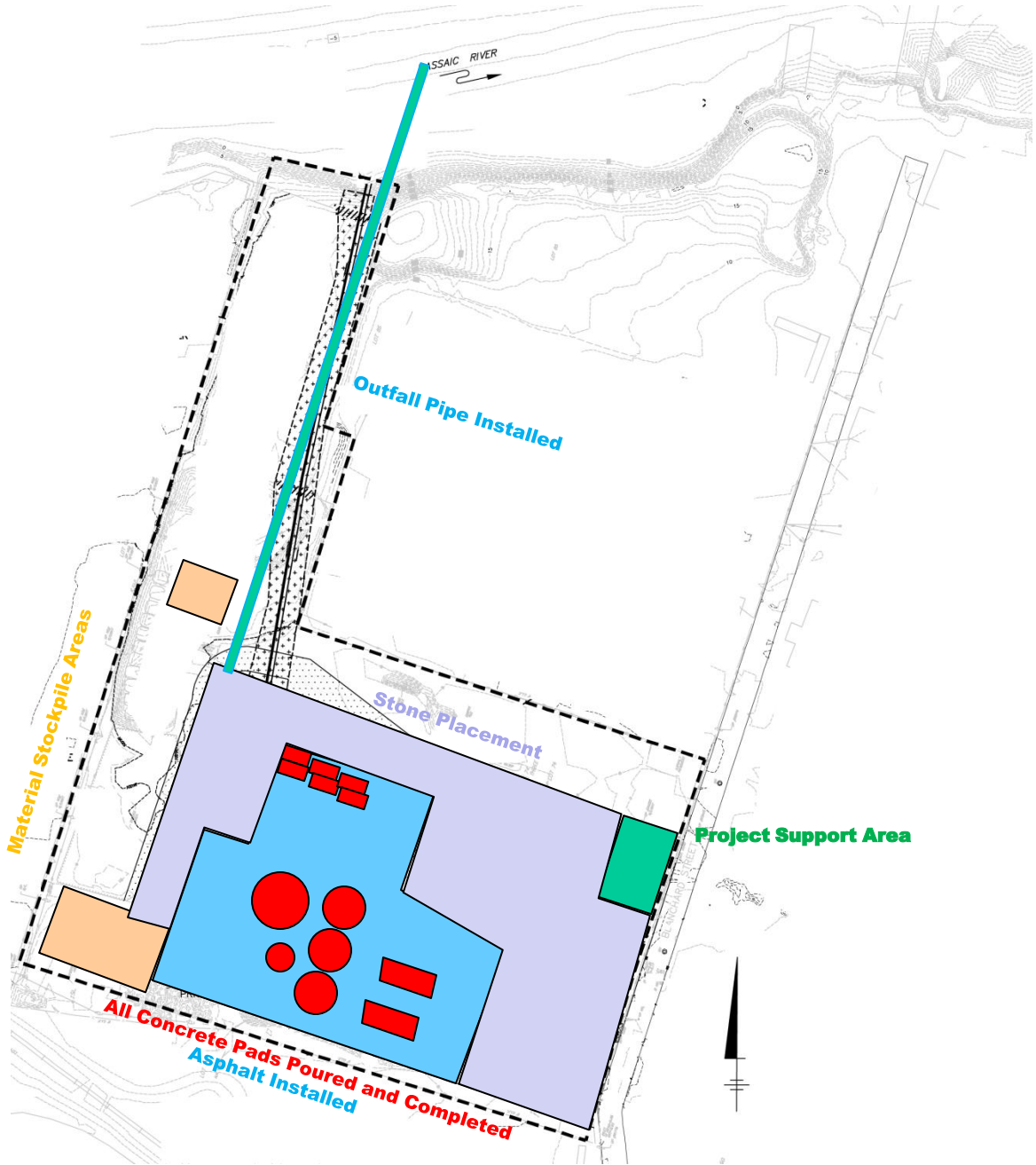
*Gas cylinder recovered from the sediment*



*Loadout of dredged debris material at the OU-1*

**Weekly Construction Progress Report #39  
(Continued)**

Period: 04/09/12 – 04/15/12



**UPF Property**

**Weekly Construction Progress Report #39  
(Continued)**

Period: 04/01/12 – 04/15/12

POINT	NORTHING	EASTING	STATION
"A"	N = 694866.257	E = 592501.821	2+51.44
"B"	N = 695153.887	E = 593334.420	10+33.00
"C"	N = 695022.635	E = 593365.814	11+38.05
"D"	N = 694908.960	E = 592770.604	17+43.97
"E"	N = 684907.868	E = 582770.636	17+46.08
"F"	N = 694878.493	E = 592628.012	14+1.52

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 695134.721	E = 693336.020	10+22.81



**OU-1 Property**

## Weekly Construction Progress Report #40

Period: 04/16/12 – 04/22/12

### Project Work Performed:

- Continued dredging of sediment throughout the week.
- Continued sediment screening, pumping, processing, and water treatment. Dredging and processing is approximately 60% complete.
- Continued the loading, tarping, and transportation of intermodal containers for processed sediment. Approximately 11,870 tons of processed sediment has been loaded into intermodal containers (a total of 515 containers) and transported to the transload facility for loading onto railcars to date. 49 containers of coarse solids with a total of 1,050 tons of material has been transported to the transload facility to date. 7 boxes have been filled with 160 tons of debris material from the debris barge at the OU-1.
- Continued optimization of the systems of the project including screens, conveyors, polymers dosages, and backwash cycles.

### Planned Activities - Weeks of 04/23 & 04/30:

- Begin dredging of sediment within the second lift of sediment depth within the east end of the enclosure. Began dredging of the bottom six feet of material in the west end of the enclosure.
- Continue sediment screening, pumping, processing, and water treatment.
- Continue the loading, tarping, and transportation of intermodal containers for processed sediment. Intermodal containers continue to arrive at the Site.
- Continue optimization of the systems of the project including screens, conveyors, polymers dosages, and backwash cycles.

### Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 1 (73)
  - Job Loss Analysis (JLAs) – 0 (36)
  - Near Loss – 1 (19) – Slurry intake valve did not actuate to allow recirculation of water from the water treatment system.
  - Incidents – 0 (4)
  - Stop Work Authority 0 – (29)
  - Estimated field man hours to date – 82,900 hours.
- Daily perimeter air monitoring sample collection continued through dredging and sediment processing activities.
- Worker safety air monitoring at the OU-1 and UPF properties has continued. Additional air monitoring meters added to enhance real time air monitoring data.
- Continued collection of performance monitoring inclinometer readings and tide gauge data.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Movement of the SECI Screening Barge*



*Dredging activities in Cell 6*



*Pipeline inspection activities*

**Weekly Construction Progress Report #40  
(Continued)**

**Period:** 04/16/12 – 04/22/12

Construction Quality Assurance/Safety (continued):

- Continued performance testing on the water treatment system. Performance testing results indicated the water treatment discharge water was within permissible limits. Will complete second batch process during the week of April 23, 2012.
- Bathymetry survey was performed by OSI on Cells 6, 8, and 9 on April 18, 2012.
- Geokon load cells for the tiebacks are in operation and being monitored.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman, April 25, 2012

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



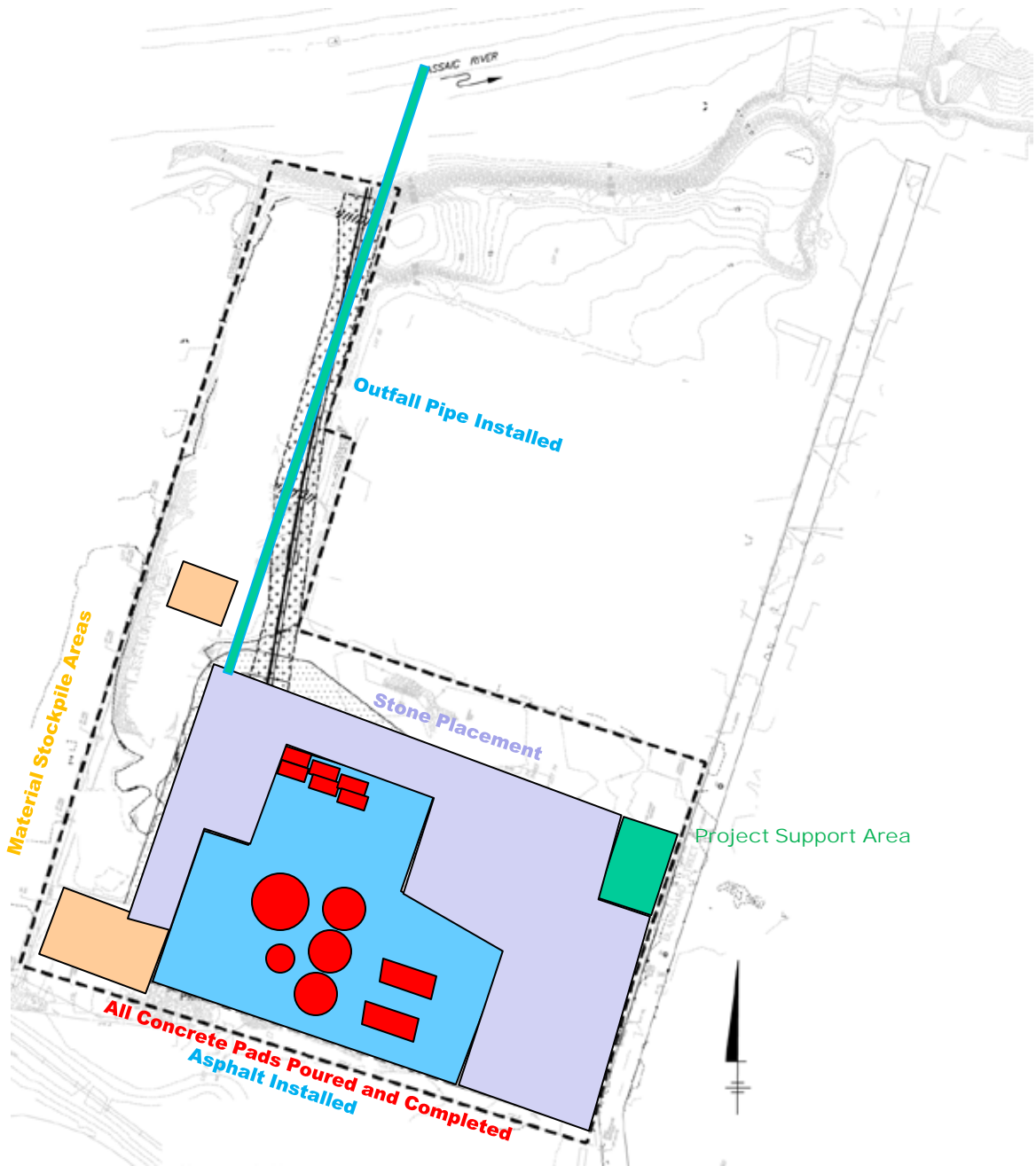
*Operation and Maintenance Activities in the Water Treatment System*



*Sediment screening barge within the enclosure*

**Weekly Construction Progress Report #40  
(Continued)**

Period: 04/16/12 – 04/22/12



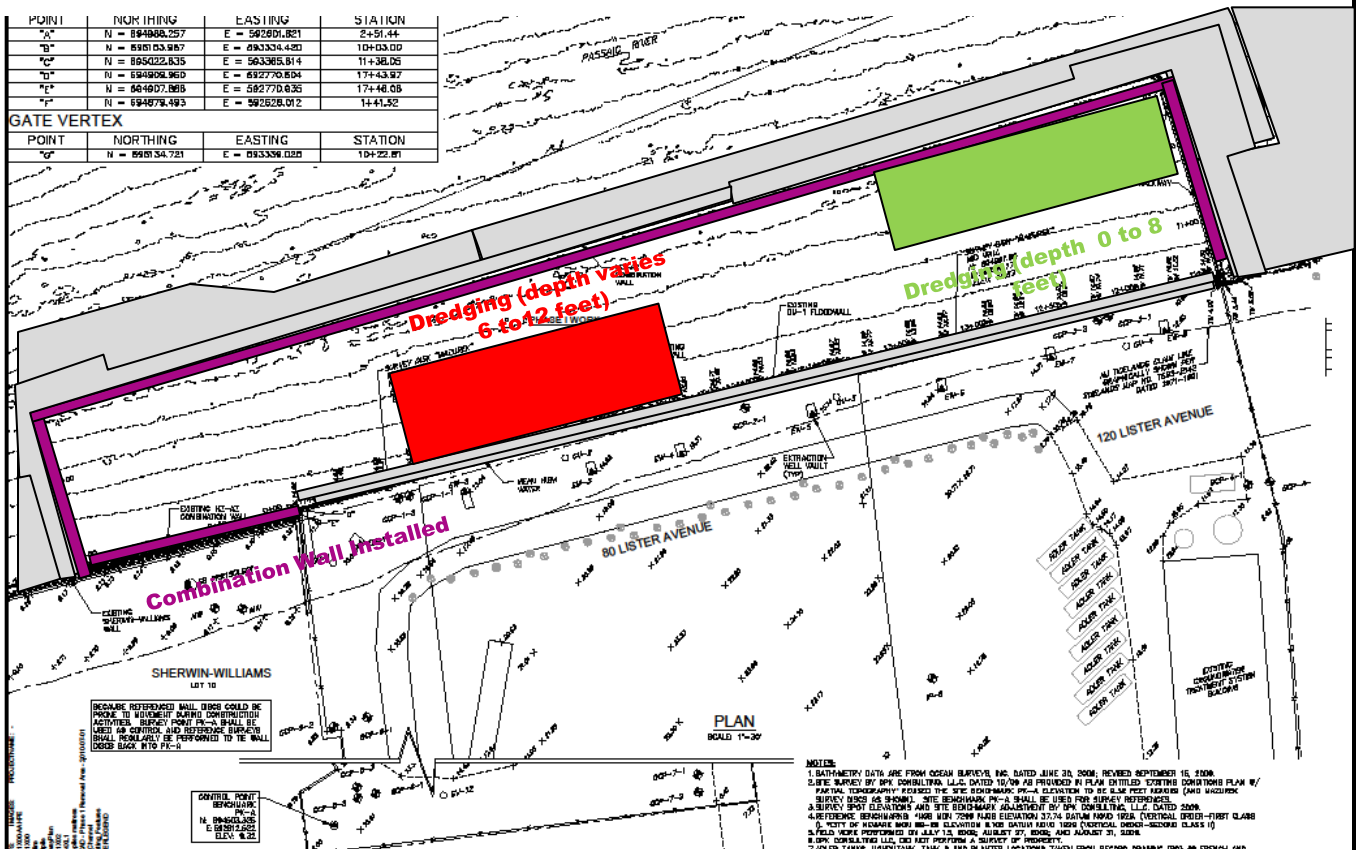
UPF Property

**Weekly Construction Progress Report #40  
(Continued)**

Period: 04/16/12 – 04/22/12

POINT	NORTHING	EASTING	STATION
"A"	N = 894868.257	E = 592501.821	2+51.44
"B"	N = 895153.887	E = 593334.420	10+33.00
"C"	N = 895022.635	E = 593365.814	11+38.05
"D"	N = 894908.960	E = 592770.604	17+43.97
"E"	N = 884907.888	E = 582770.636	17+46.08
"F"	N = 894878.493	E = 592628.012	14+1.52

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 895134.721	E = 593336.020	10+22.81



OU-1 Property



## Weekly Construction Progress Report #41

Period: 04/23/12 – 04/29/12

### Project Work Performed:

- Continued dredging of sediment in the west half of the enclosure at a depth of 6 to 12 feet below the preconstruction sediment surface throughout the week.
- Continued sediment screening, pumping, processing, and water treatment. Dredging and processing is approximately 65% complete.
- Continued the loading, tarping, and transportation of intermodal containers for processed sediment. Approximately 11,870 tons of processed sediment (515 containers), 1,050 tons of coarse solids (49 containers), and 160 tons of debris (7 containers) has been loaded into intermodal containers and transported to the transload facility for loading onto railcars to date for landfill disposal. Approximately 1,185 tons of processed sediment (53 containers) and 140 tons of coarse solids (7 containers) have been transported to the transload facility to date for incineration.
- Continued optimization of the systems of the project including screens, conveyors, polymers dosages, and backwash cycles.

### Planned Activities - Weeks of 04/30 & 05/07:

- Continue dredging of sediment at a depth of 6 to 12 feet below the pre-construction sediment surface within the west half of the enclosure.
- Continue sediment screening, pumping, processing, and water treatment. A carbon changeout of 80,000 pounds of activated carbon is scheduled for the week of April 30, 2012.
- Continue the loading, tarping, and transportation of intermodal containers for processed sediment. Intermodal containers continue to arrive at the Site.
- Continue optimization of the systems of the project including screens, conveyors, polymers dosages, and backwash cycles.

### Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 2 (75)
  - Job Loss Analysis (JLAs) – 0 (36)
  - Near Loss – 0 (19)
  - Incidents – 0 (4)
  - Stop Work Authority 2 – (32)
  - Estimated field man hours to date – 85,300 hours.
- Daily perimeter air monitoring sample collection continued through dredging and sediment processing activities. No action or alert levels reached to date.
- Worker safety air monitoring at the OU-1 and UPF properties has continued. Additional air monitoring meters added to enhance real time air monitoring data. Personal protective equipment has been upgraded for the sediment screening and processing operations to Level C.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Dredging in the west half of the enclosure*



*Removing material from the material barge for screening*



*Activated carbon changeout at the UPF*

**Weekly Construction Progress Report #41  
(Continued)**

**Period:** 04/23/12 – 04/29/12

Construction Quality Assurance/Safety (continued):

- Continued collection of performance monitoring inclinometer readings and tide gauge data.
- Continued performance testing on the water treatment system. Performance testing results indicated the water treatment discharge water was within permissible limits. Completed second batch process during the week of April 23, 2012.
- Geokon load cells for the tiebacks are in operation and being monitored.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman, May 2, 2012

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



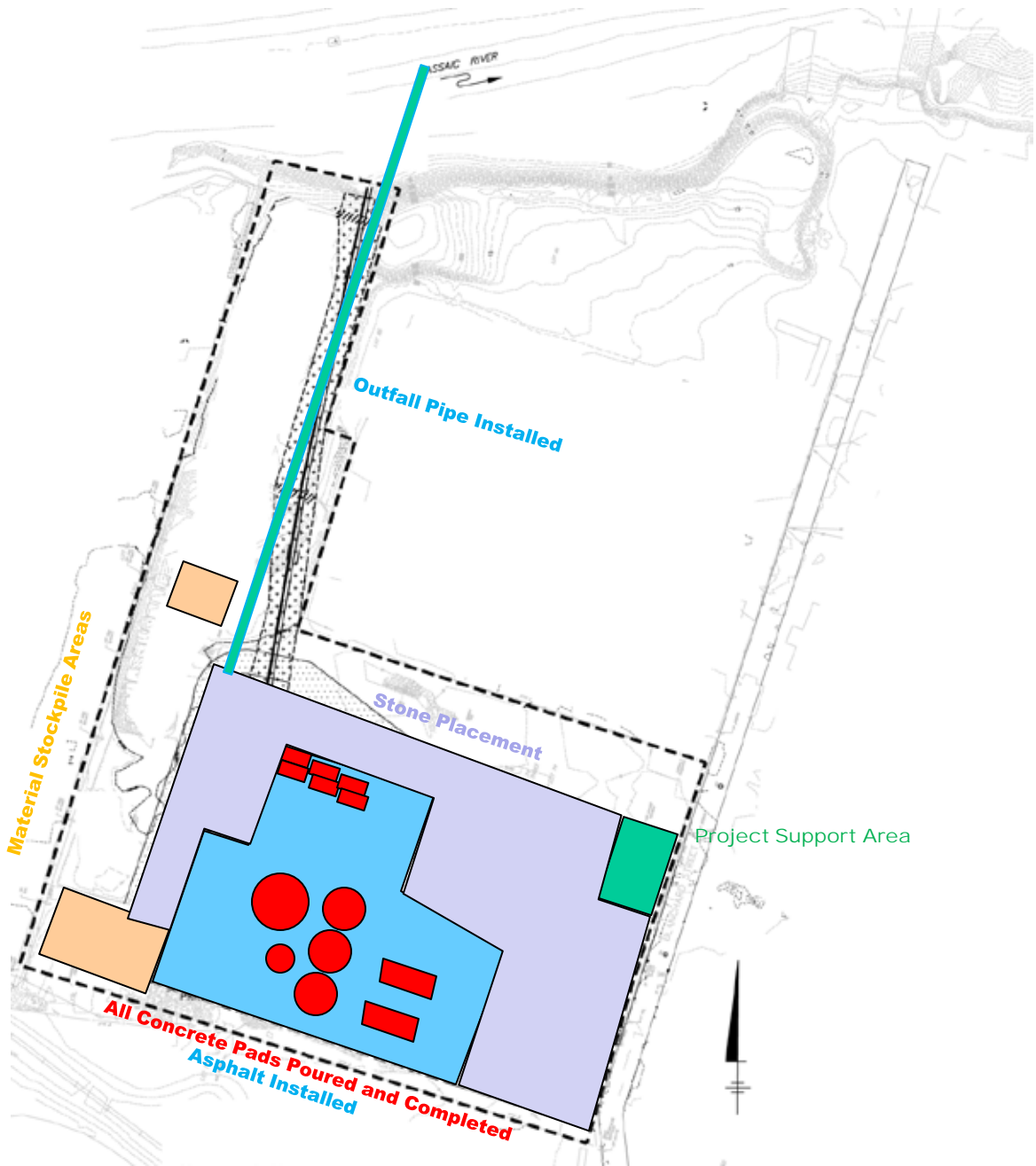
*Bathymetry checks for dredging*



*Coordinating movement of barges*

**Weekly Construction Progress Report #41  
(Continued)**

Period: 04/23/12 – 04/29/12



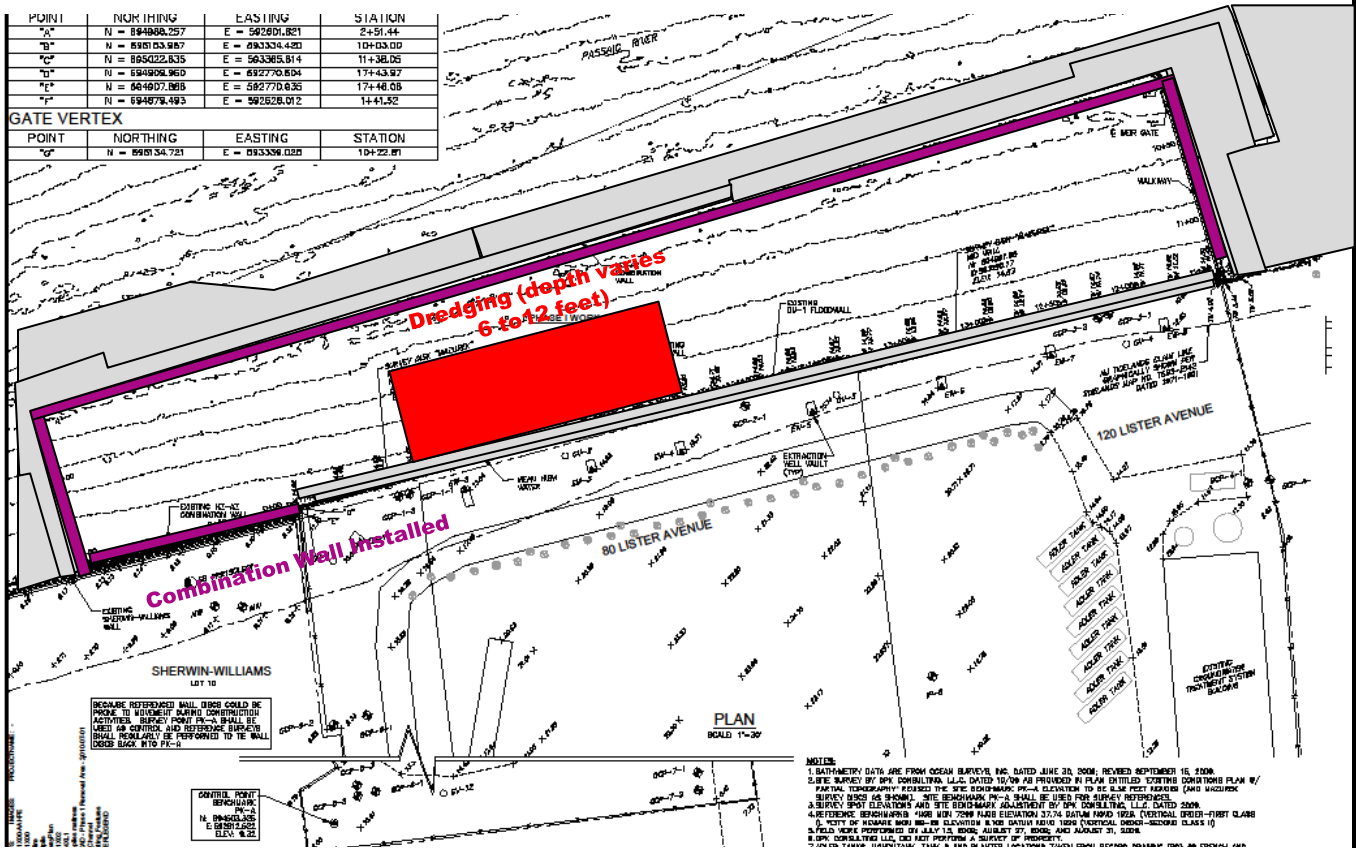
UPF Property

**Weekly Construction Progress Report #41  
(Continued)**

Period: 04/23/12 – 04/29/12

POINT	NORTHING	EASTING	STATION
"A"	N = 894866.257	E = 592501.821	2+51.44
"B"	N = 895153.887	E = 592334.420	10+33.00
"C"	N = 895022.635	E = 593365.814	11+38.05
"D"	N = 894908.960	E = 592770.604	17+43.97
"E"	N = 894907.868	E = 592770.636	17+46.08
"F"	N = 894878.493	E = 592628.012	14+1.52

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 895134.721	E = 593336.020	10+22.81



OU-1 Property

## Weekly Construction Progress Report #42

Period: 04/30/12 – 05/06/12

### Project Work Performed:

- Continued dredging of sediment in the west half of the enclosure at a depth of 6 to 12 feet below the preconstruction sediment surface throughout the week.
- Continued sediment screening, pumping, processing, and water treatment. Dredging and processing is approximately 65% complete. A changeout of 80,000 pounds of activated carbon was completed.
- Continued the loading, tarping, and transportation of intermodal containers for processed sediment. Approximately 13,040 tons of processed sediment (566 containers), 1,100 tons of coarse solids (52 containers), and 160 tons of debris (7 containers) has been loaded into intermodal containers and transported to the transload facility for loading onto railcars to date for landfill disposal. Approximately 1,790 tons of processed sediment (80 containers) and 200 tons of coarse solids (10 containers) have been transported to the transload facility to date for incineration.
- Continued optimization of the systems of the project including screens, conveyors, polymers dosages, and backwash cycles.

### Planned Activities - Weeks of 05/07 & 05/14:

- Continue dredging of sediment at a depth of 6 to 12 feet below the pre-construction sediment surface within the west half of the enclosure.
- Continue sediment screening, pumping, processing, and water treatment.
- Continue the loading, tarping, and transportation of intermodal containers for processed sediment.
- Continue optimization of the systems of the project including screens, conveyors, polymers dosages, and backwash cycles.

### Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 3 (78)
  - Job Loss Analysis (JLAs) – 1 (37)
  - Near Loss – 3 (22)
    - Observation of pyrophoric material in the debris barge
    - Air monitoring meter hung up on railing at the enclosure
    - Unattended ladder fell on SECI barge
  - Incidents – 0 (4)
  - Stop Work Authority 3 – (35)
  - Estimated field man hours to date – 88,600 hours.
- Daily perimeter air monitoring sample collection continued through dredging and sediment processing activities. No action or alert levels reached to date.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Coarse solids solidification and loading operation*



*Removing material from the material barge for screening*



*Turbidity monitoring for the water treatment system*

## Weekly Construction Progress Report #42 (Continued)

Period: 04/30/12 – 05/06/12

### Construction Quality Assurance/Safety (continued):

- Worker safety air monitoring at the OU-1 and UPF properties has continued. Additional air monitoring meters added to enhance real time air monitoring data. Personal protective equipment has been reduced for the sediment screening and processing operations to Level D.
- Continued collection of performance monitoring inclinometer readings and tide gauge data.
- Continued performance testing on the water treatment system. Performance testing results indicated the water treatment discharge water was within permissible limits.
- Geokon load cells for the tiebacks are in operation and being monitored.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman, May 8, 2012

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



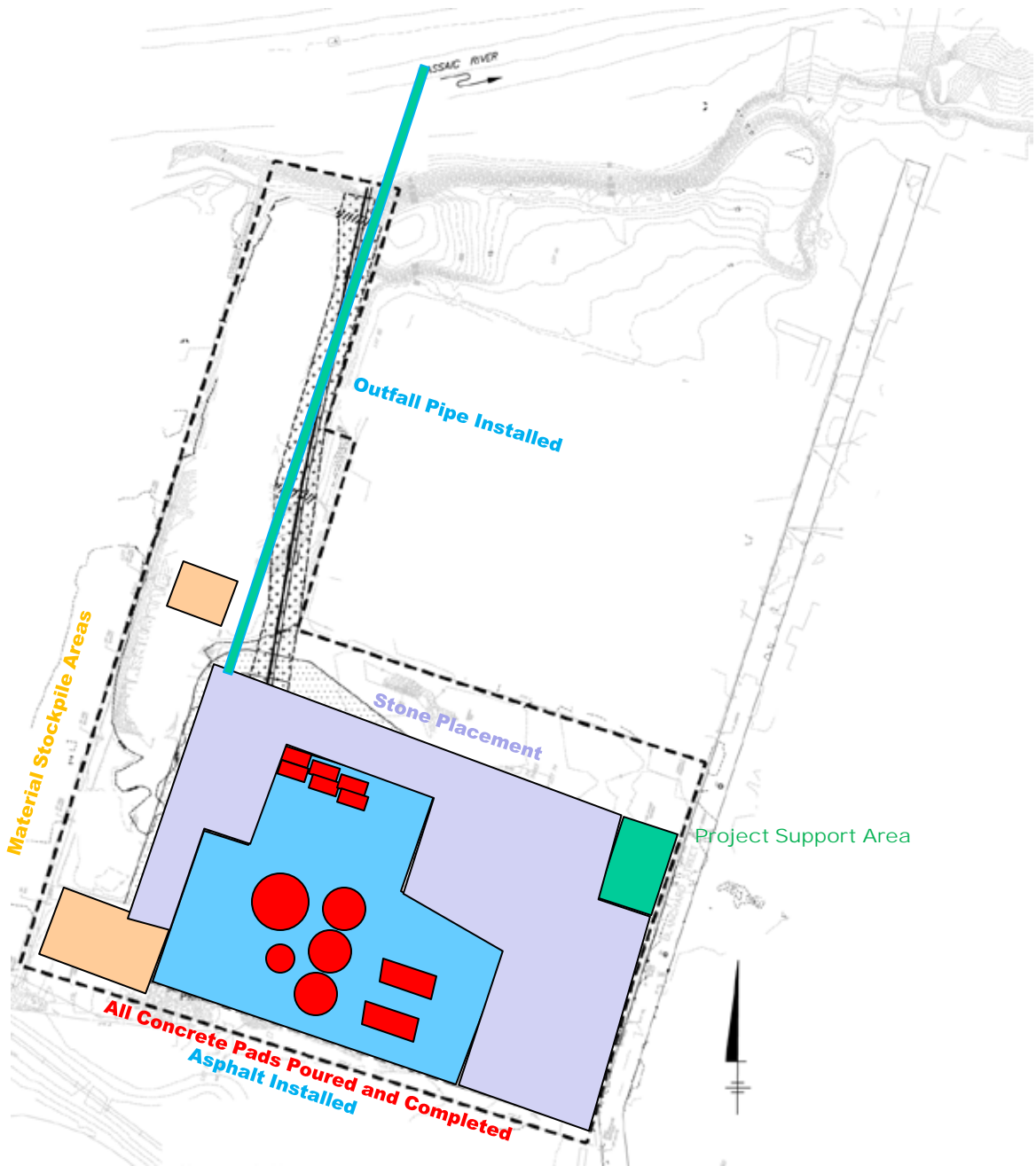
*Debris material in the debris barge*



*Monitoring of the enclosure inclinometers*

**Weekly Construction Progress Report #42  
(Continued)**

Period: 04/30/12 – 05/06/12



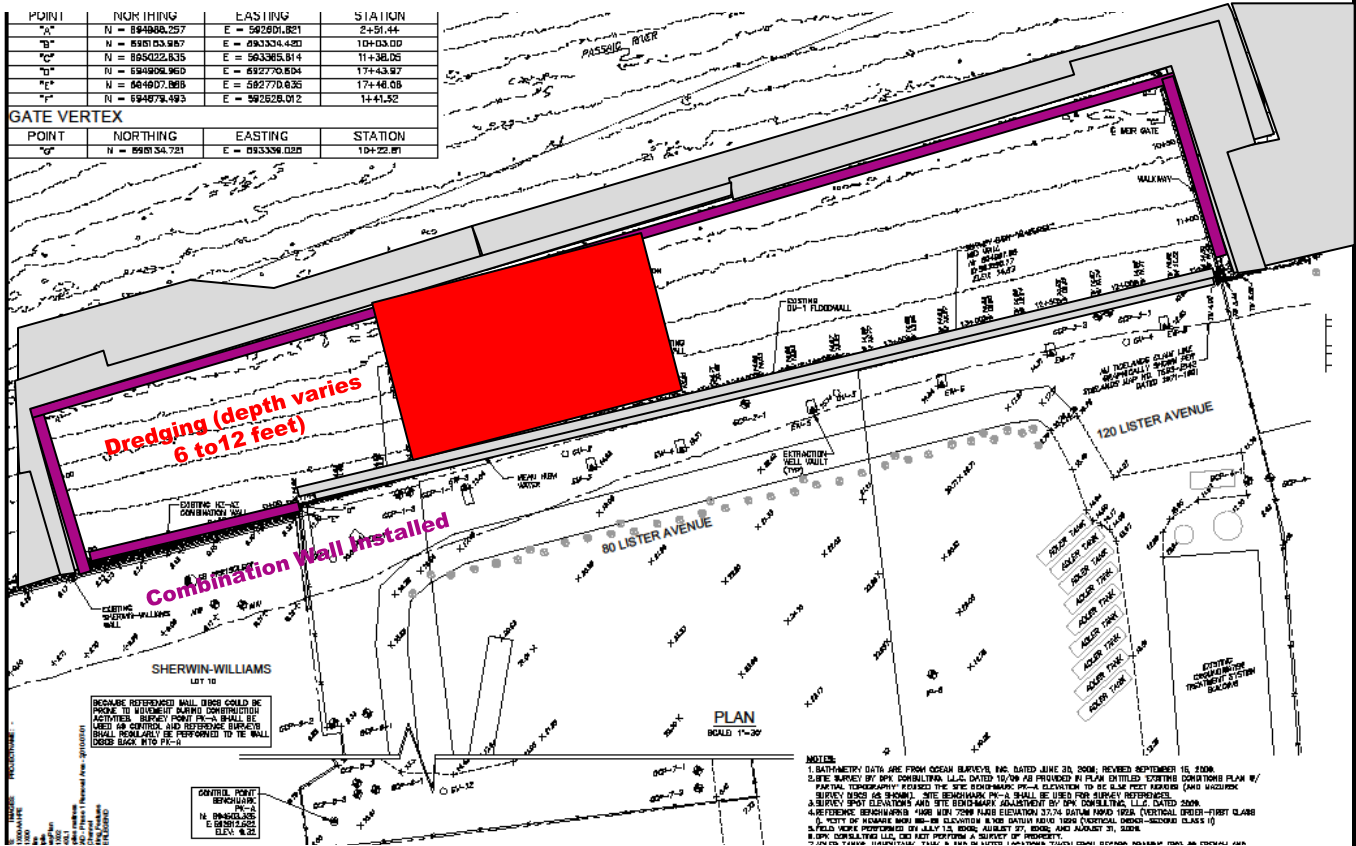
UPF Property

**Weekly Construction Progress Report #42  
(Continued)**

Period: 04/30/12 – 05/06/12

POINT	NORTHING	EASTING	STATION
"A"	N = 894868.257	E = 592501.821	2+51.44
"B"	N = 895153.887	E = 592334.420	10+33.00
"C"	N = 895022.635	E = 593365.814	11+38.05
"D"	N = 894908.960	E = 592770.604	17+43.97
"E"	N = 894907.868	E = 592770.636	17+46.08
"F"	N = 894878.493	E = 592628.012	14+1.52

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 895134.721	E = 593336.020	10+22.81



OU-1 Property



## Weekly Construction Progress Report #43

Period: 05/07/12 – 05/13/12

### Project Work Performed:

- Continued dredging of sediment in the west half of the enclosure at a depth of 6 to 12 feet below the preconstruction sediment surface throughout the week.
- Continued sediment screening, pumping, processing, and water treatment. Dredging and processing is approximately 70% complete.
- Continued the loading, tarping, and transportation of intermodal containers for processed sediment. Approximately 16,140 tons of processed sediment (694 containers), 1,610 tons of coarse solids (75 containers), and 160 tons of debris (7 containers) has been loaded into intermodal containers and transported to the transload facility for loading onto railcars to date for landfill disposal. Approximately 1,810 tons of processed sediment (80 containers) and 200 tons of coarse solids (10 containers) have been transported to the transload facility to date for incineration.
- Continued optimization of the systems including screens, conveyors, polymers dosages, and backwash cycles.

### Planned Activities - Weeks of 05/14 & 05/21:

- Continue dredging of sediment at a depth of 6 to 12 feet below the pre-construction sediment surface within the west half of the enclosure. Planning transition to the east half of the enclosure late during the week of May 14, 2012.
- Continue sediment screening, pumping, processing, and water treatment.
- Continue the loading, tarping, and transportation of intermodal containers for processed sediment.
- Continue optimization of the systems including screens, conveyors, polymers dosages, and backwash cycles.

### Construction Quality Assurance/Safety:

- Behavioral-based safety tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 1 (79)
  - Job Loss Analysis (JLAs) – 0 (37)
  - Near Loss – 0 (22)
  - Incidents – 0 (4)
  - Stop Work Authority 0 – (35)
  - Estimated field man hours to date – 92,000 hours.
- Daily perimeter air monitoring sample collection continued through dredging and sediment processing activities. There was one exceedance of the alert level at the UPF for chlorobenzene. The exceedance was not observed at the closest receptor location. The action level was not exceeded and chlorobenzene levels have returned to previously observed levels.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Dredging along the enclosure wall*



*Filter press deck*



*Dredged sediment in a material barge*

## Weekly Construction Progress Report #43 (Continued)

Period: 05/07/12 – 05/13/12

### Construction Quality Assurance/Safety (continued):

- Worker safety air monitoring at the OU-1 and UPF properties has continued. Additional air monitoring meters added to enhance real time air monitoring data. Personal protective equipment has been reduced for the sediment screening and processing operations to Level D.
- Continued collection of performance monitoring inclinometer readings and tide gauge data.
- Continued performance testing on the water treatment system. Performance testing results indicated the water treatment discharge water was within permissible limits.
- Geokon load cells for the tiebacks are in operation and being monitored.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman, May 14, 2012

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



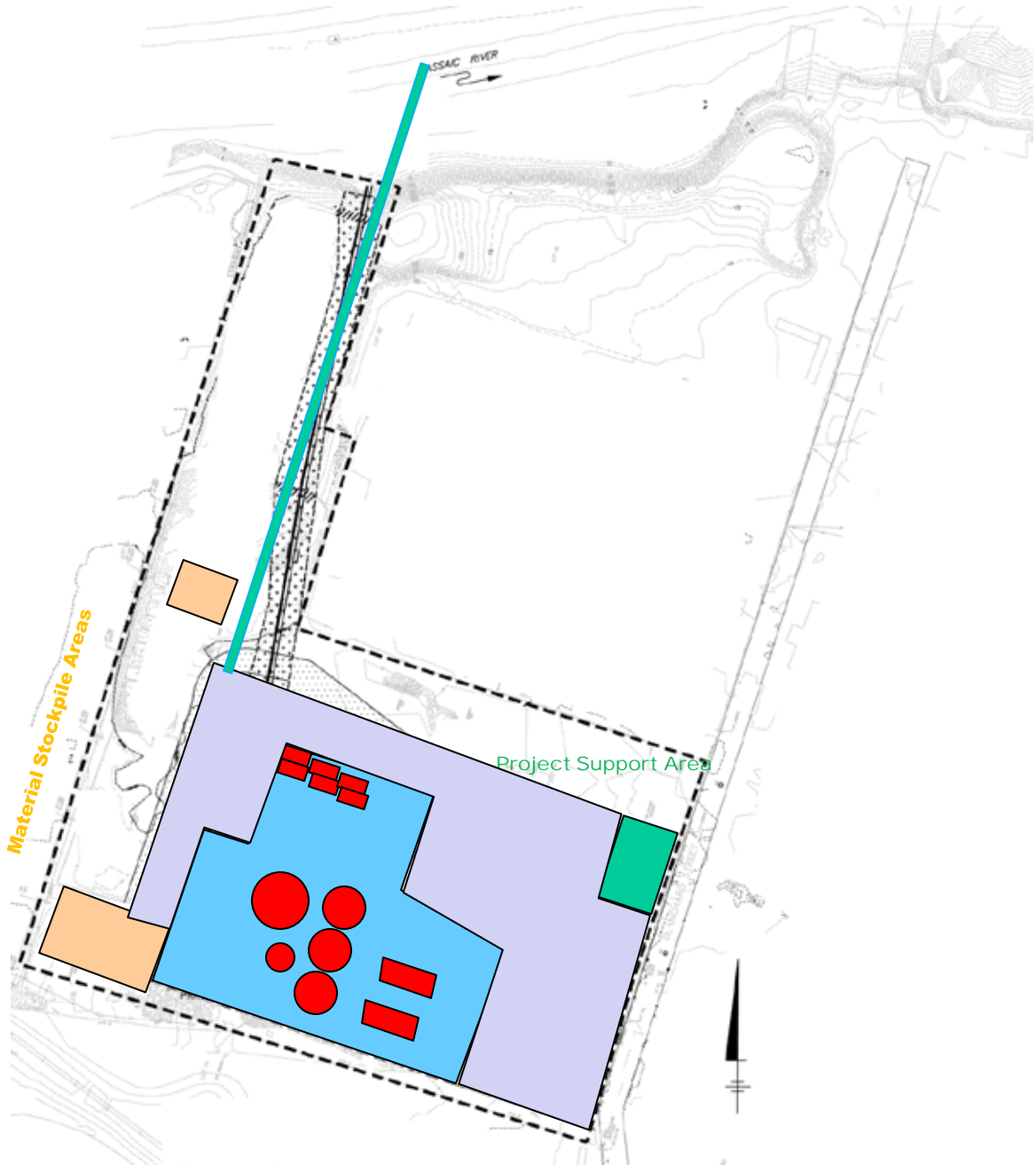
*Vibration monitoring equipment*



*Collection of sediment sounding data*

**Weekly Construction Progress Report #43  
(Continued)**

Period: 05/07/12 – 05/13/12



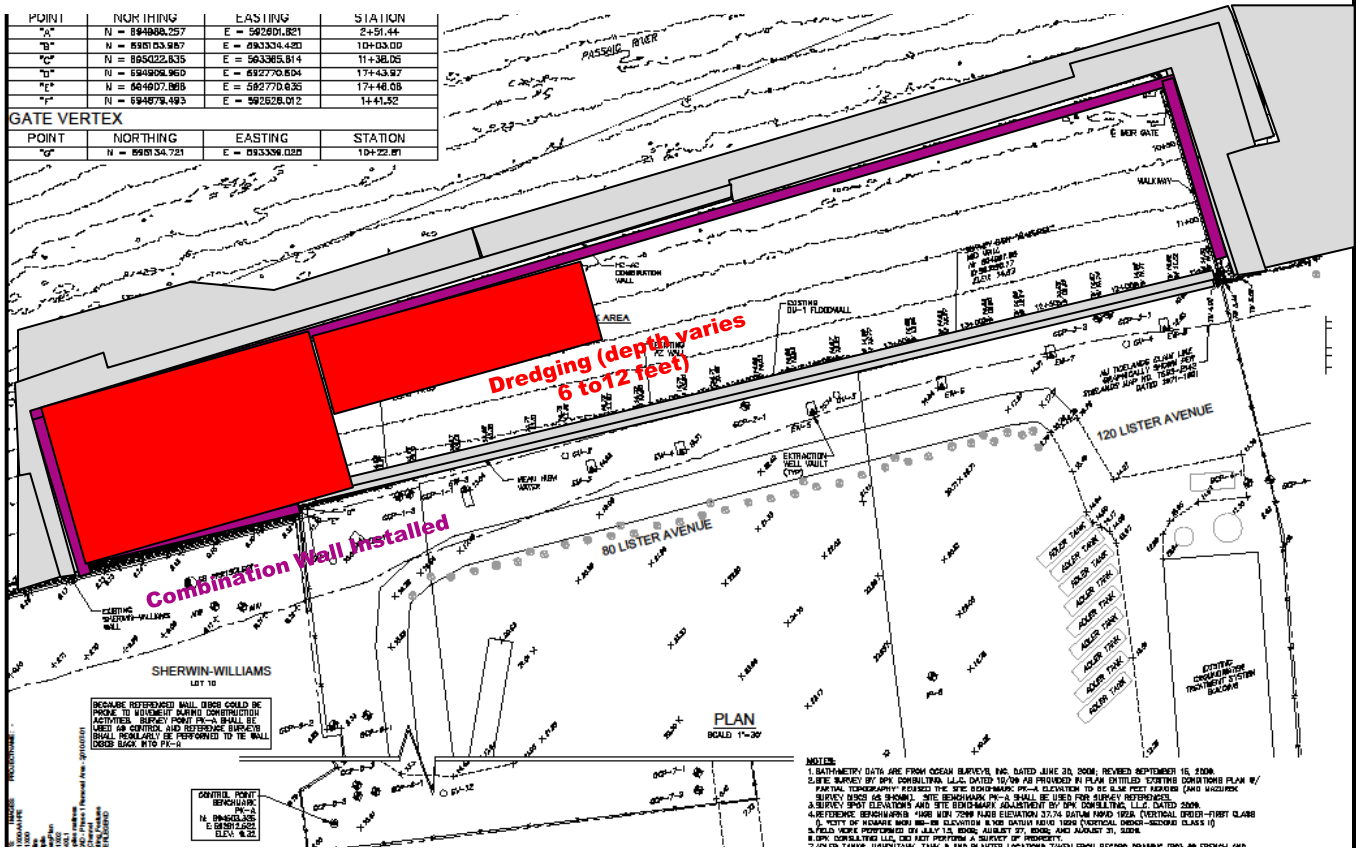
UPF Property

**Weekly Construction Progress Report #43  
(Continued)**

Period: 05/07/12 – 05/13/12

POINT	NORTHING	EASTING	STATION
"A"	N = 894866.257	E = 592501.821	2+51.44
"B"	N = 895153.887	E = 593334.420	10+33.00
"C"	N = 895022.635	E = 593365.814	11+38.05
"D"	N = 894908.960	E = 592770.604	17+43.97
"E"	N = 894907.868	E = 592770.636	17+46.08
"F"	N = 894878.493	E = 592628.012	14+1.52

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 895134.721	E = 593336.020	10+22.81



OU-1 Property

## Weekly Construction Progress Report #44

Period: 05/14/12 – 05/20/12

### Project Work Performed:

- Completed dredging of sediment in the west half of the enclosure at a depth of 6 to 12 feet below the preconstruction sediment surface. Began dredging of sediment in the east half of the enclosure in Dredge Cell 10 at a depth of 6 to 12 feet.
- Continued sediment screening, pumping, processing, and water treatment. Dredging and processing is approximately 75% complete.
- Continued the loading, tarping, and transportation of intermodal containers for processed sediment. Approximately 18,310 tons of processed sediment (783 containers), 2,280 tons of coarse solids (104 containers), and 320 tons of debris (16 containers) has been loaded into intermodal containers and transported to the transload facility for loading onto railcars to date for landfill disposal. Approximately 1,900 tons of processed sediment (84 containers) and 200 tons of coarse solids (10 containers) have been transported to the transload facility to date for incineration.
- Continued optimization of the systems including screens, conveyors, polymers dosages, and backwash cycles.

### Planned Activities - Weeks of 05/21 & 05/28:

- Continue dredging of sediment at a depth of 6 to 12 feet below the pre-construction sediment surface within the east half of the enclosure.
- Continue sediment screening, pumping, processing, and water treatment.
- Continue the loading, tarping, and transportation of intermodal containers for processed sediment.
- Continue optimization of the systems including screens, conveyors, polymers dosages, and backwash cycles.

### Construction Quality Assurance/Safety:

- Behavioral-based safety tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 5 (84)
  - Job Loss Analysis (JLAs) – 1 (38)
  - Near Loss – 1 (23) – We are currently investigating and evaluating a slip/fall of an employee on the deck of the screening barge to determine if it is an incident. No medical attention sought.
  - Incidents – 0 (4)
  - Stop Work Authority 0 – (35)
  - Estimated field man hours to date – 100,400 hours.
- Daily perimeter air monitoring sample collection continued through dredging and sediment processing activities. Respiratory protection has been upgraded to Level C as a precautionary measure. Respiratory protection will be downgraded as air monitoring data permits during the dredging of Dredge Cells 8, 9, and 10.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Sediment being loaded into the screening system*



*Truck and intermodal container staged for debris load-out*



*Performing an elevation check of the dredge bucket*

**Weekly Construction Progress Report #44  
(Continued)**

**Period:** 05/14/12 – 05/20/12

Construction Quality Assurance/Safety (continued):

- Continued to collect barge sounding and manual sounding information to confirm the appropriate dredge depth was achieved in the west half of the enclosure.
- Continued collection of performance monitoring inclinometer readings and tide gauge data.
- Continued performance testing on the water treatment system. Performance testing results indicated the water treatment discharge water was within permissible limits.
- Geokon load cells for the tiebacks are in operation and being monitored.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).
- Approximately 20 members of the Community Advisory Group (CAG) and approximately 180 visitors as a part of the Sediment Management Work Group (SMWG) participated in tours of the Site on May 16 and 17, 2012, respectively. These groups were permitted to view the Site from a safe distance at viewing areas located outside the exclusion zone.

Prepared by Matthew Bowman, May 21, 2012

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



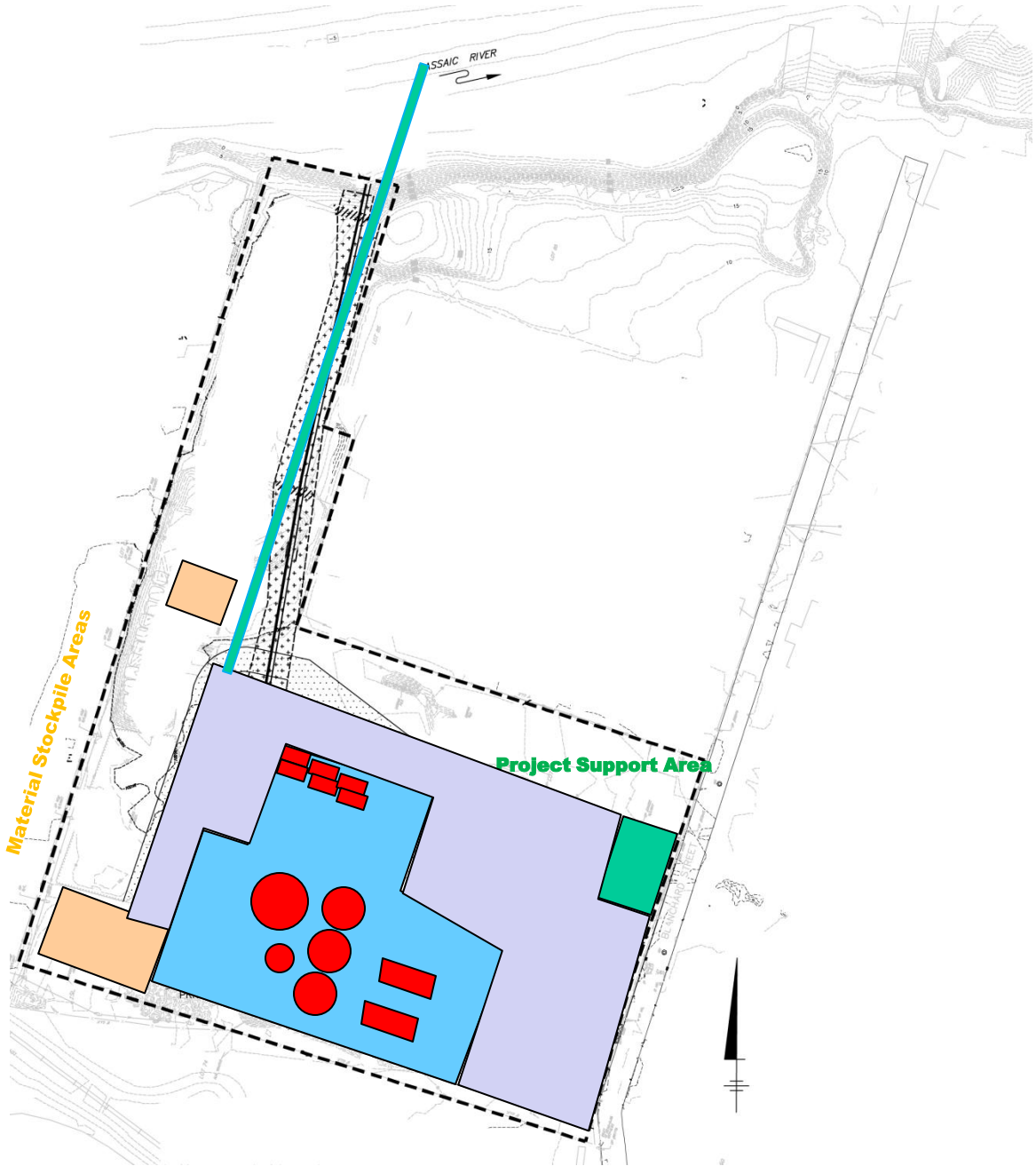
*Sediment Management Work Group tour of the Site*



*Collection of sediment sounding data*

**Weekly Construction Progress Report #44  
(Continued)**

**Period:** 05/14/12 – 05/20/12



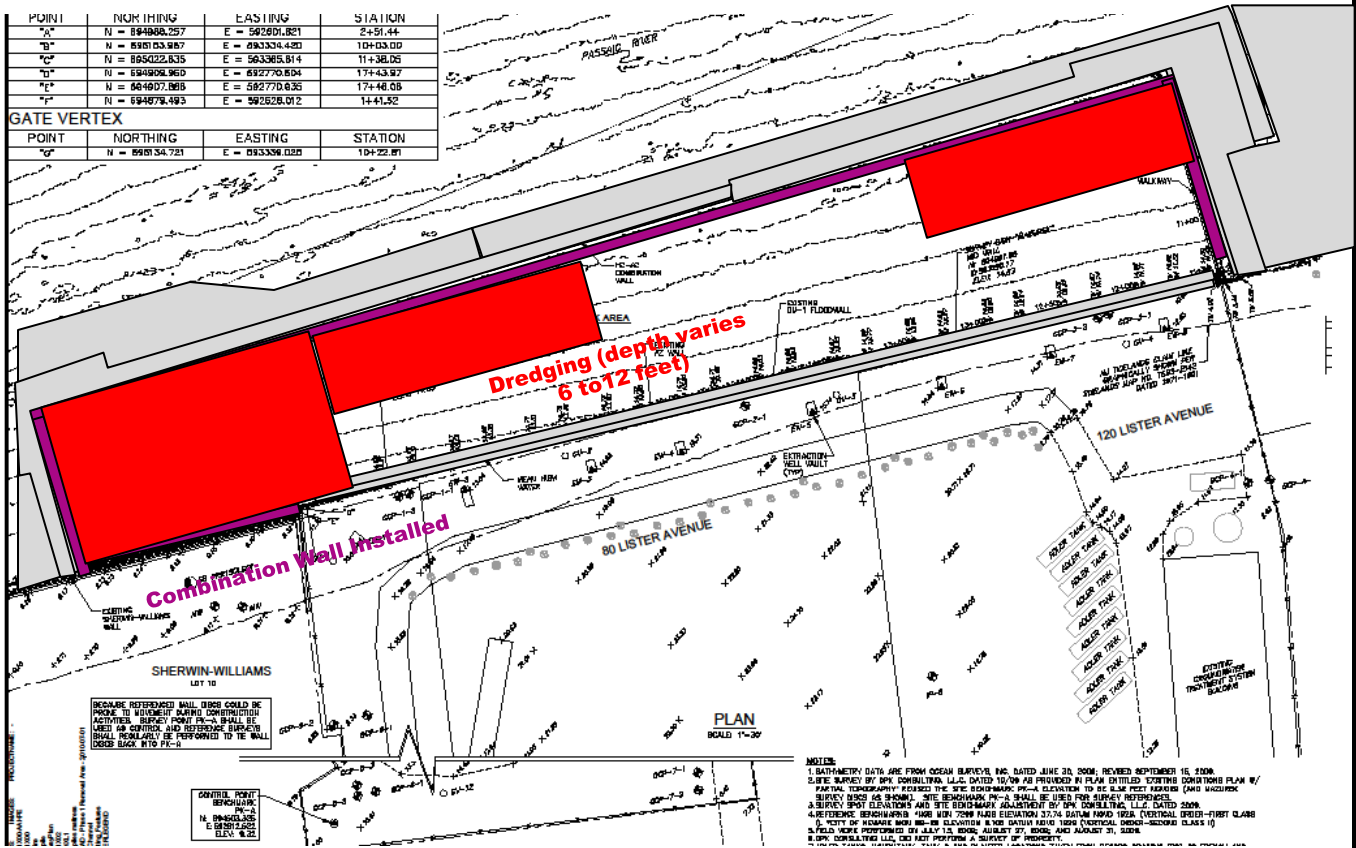
**UPF Property**

### Weekly Construction Progress Report #44 (Continued)

Period: 05/14/12 – 05/20/12

POINT	NORTHING	EASTING	STATION
"A"	N = 894866.257	E = 592501.821	2+51.44
"B"	N = 895153.887	E = 592334.420	10+33.00
"C"	N = 895022.635	E = 593365.814	11+38.05
"D"	N = 894908.960	E = 632770.604	17+43.97
"E"	N = 884907.868	E = 682770.636	17+46.08
"F"	N = 894878.493	E = 592628.012	14+1.52

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 895134.721	E = 693336.020	10+22.81



### OU-1 Property



## Weekly Construction Progress Report #45

Period: 05/21/12 – 05/27/12

### Project Work Performed:

- Continued dredging of sediment in the east half of the enclosure in Dredge Cell 10 at a depth of 6 to 12 feet.
- Continued sediment screening, pumping, processing, and water treatment. Dredging and processing is approximately 85% complete.
- Continued the loading, tarping, and transportation of intermodal containers for processed sediment. Approximately 18,310 tons of processed sediment (783 containers), 2,280 tons of coarse solids (104 containers), and 320 tons of debris (16 containers) has been loaded into intermodal containers and transported to the transload facility for loading onto railcars to date for landfill disposal. Approximately 4,160 tons of processed sediment (178 containers) and 310 tons of coarse solids (16 containers) have been transported to the transload facility to date for incineration.
- Continued optimization of the systems including screens, conveyors, polymers dosages, and backwash cycles.

### Planned Activities - Weeks of 05/28 & 06/04:

- Continue dredging of sediment at a depth of 6 to 12 feet below the pre-construction sediment surface within the east half of the enclosure.
- Continue sediment screening, pumping, processing, and water treatment.
- Continue the loading, tarping, and transportation of intermodal containers for processed sediment.
- Continue optimization of the systems including screens, conveyors, polymers dosages, and backwash cycles.

### Construction Quality Assurance/Safety:

- Behavioral-based safety tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 1 (85)
  - Job Loss Analysis (JLAs) – 1 (39)
  - Near Loss – 1 (24) – An intermodal container chassis became unstable when parked on soft ground causing the box to shift on the back of the chassis. No property damage or injuries occurred.
  - Incidents – 0 (4)
  - Stop Work Authority 4 – (40)
  - Estimated field man hours to date – 104,900 hours.
- Daily perimeter air monitoring sample collection continued through dredging and sediment processing activities. Respiratory protection has been upgraded to Level C as a precautionary measure. Respiratory protection will be downgraded as air monitoring data permits during the dredging of Dredge Cells 8, 9, and 10.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Dredge and material barge*



*Sediment screening operation at the west end of the enclosure*



*Conveyor operating at the coarse solids operation*

**Weekly Construction Progress Report #45  
(Continued)**

**Period:** 05/21/12 – 05/27/12

Construction Quality Assurance/Safety (continued):

- Completed collection of barge sounding and manual sounding information to confirm the appropriate dredge depth was achieved in the west half of the enclosure.
- Continued collection of performance monitoring inclinometer readings and tide gauge data.
- Continued performance testing on the water treatment system. Performance testing results indicated the water treatment discharge water was within permissible limits.
- Geokon load cells for the tiebacks are in operation and being monitored.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman, May 29, 2012

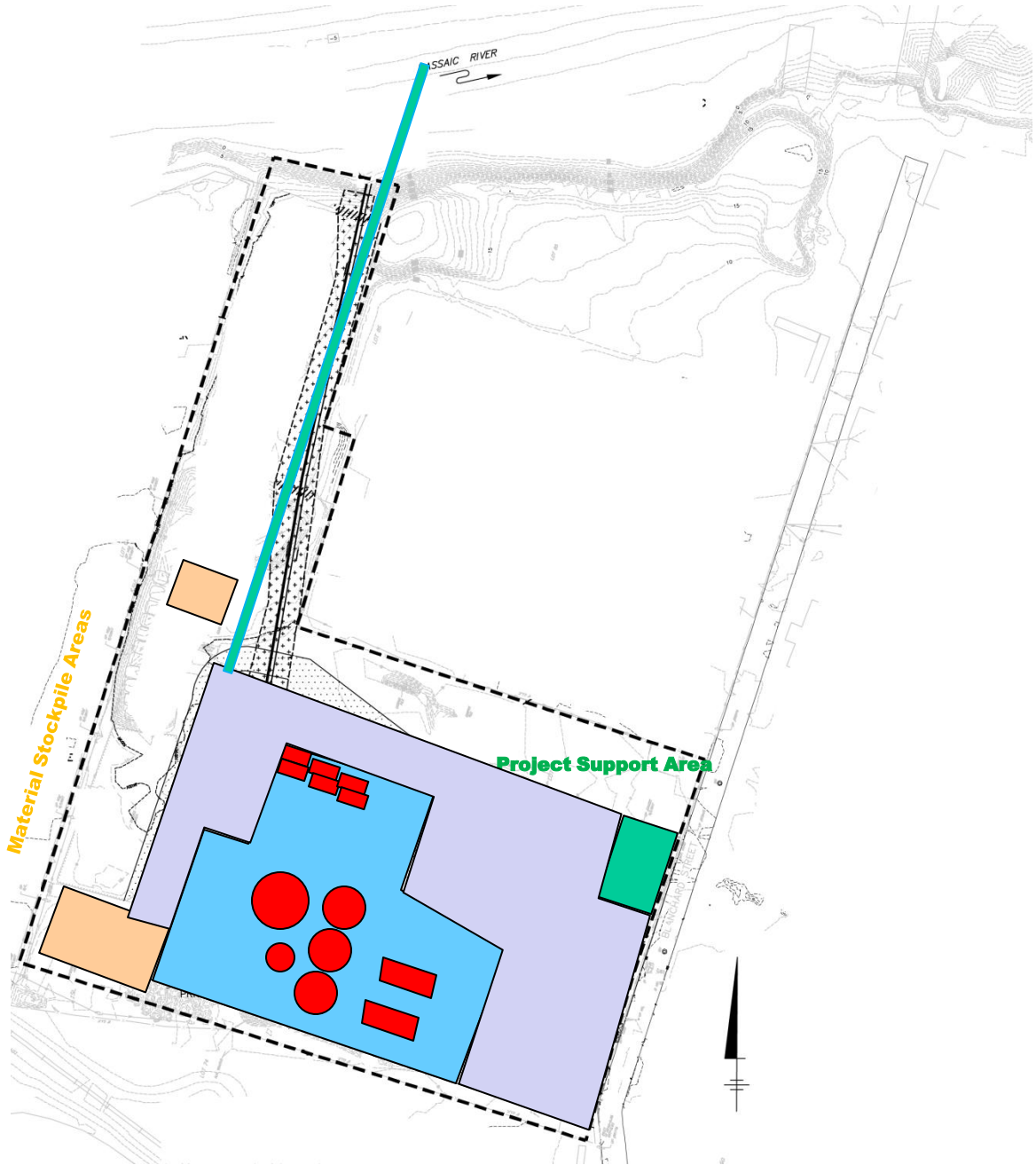
**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



*Filter presses at night*

**Weekly Construction Progress Report #45  
(Continued)**

Period: 05/21/12 – 05/27/12



**UPF Property**

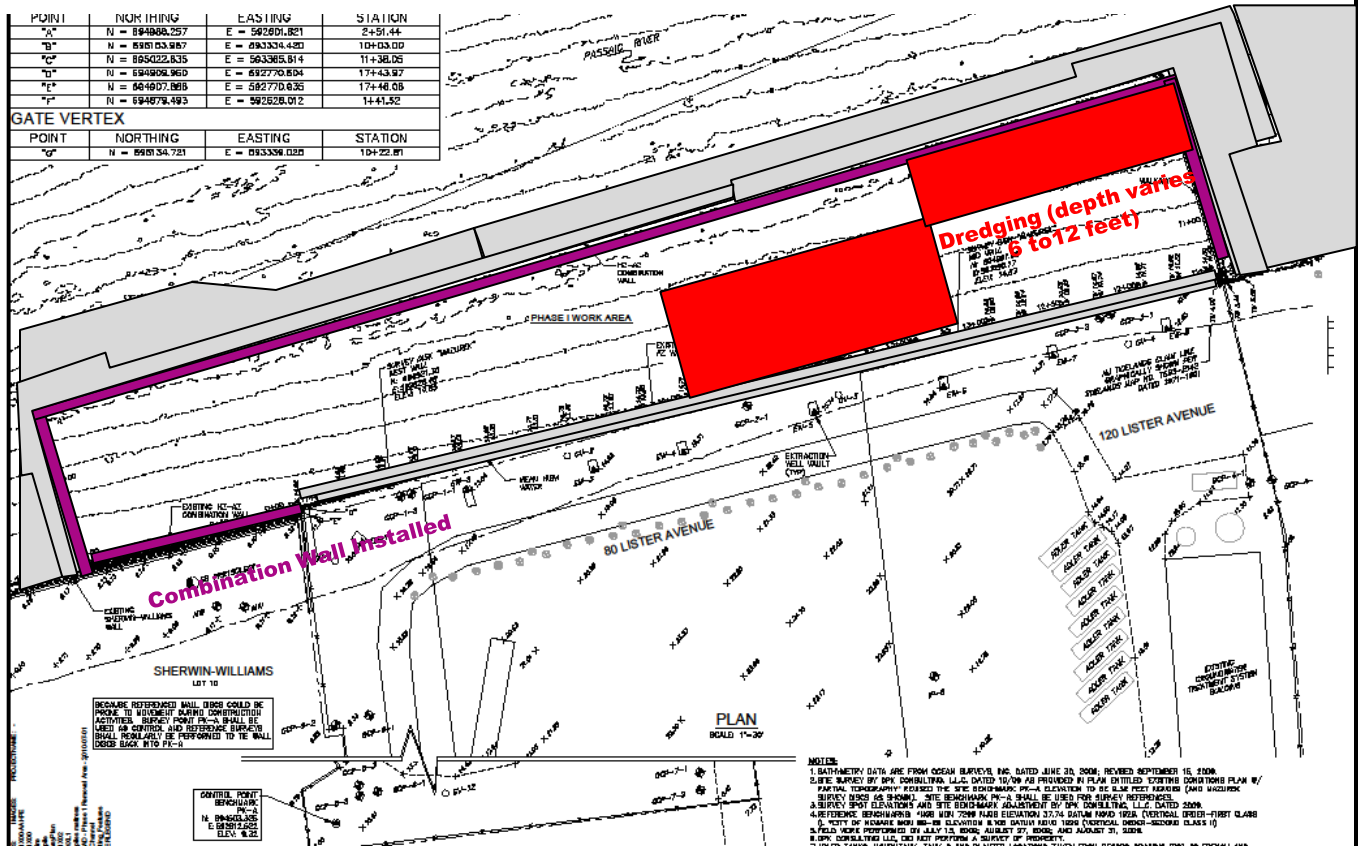
## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey

### Weekly Construction Progress Report #45 (Continued)

Period: 05/21/12 – 05/27/12

POINT	NORTHING	EASTING	STATION
"A"	N = 894866.257	E = 592501.821	2+51.44
"B"	N = 895153.887	E = 593334.420	10+33.00
"C"	N = 895022.635	E = 593365.814	11+38.05
"D"	N = 894908.960	E = 592770.604	17+43.97
"E"	N = 884907.868	E = 582770.636	17+46.08
"F"	N = 894878.493	E = 592628.012	14+1.52

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 895134.721	E = 593336.020	10+22.81



### OU-1 Property

## Weekly Construction Progress Report #46

Period: 05/28/12 – 06/03/12

### Project Work Performed:

- Continued dredging of sediment in the east half of the enclosure in Dredge Cells 7, 8, and 9 at a depth of 6 to 12 feet.
- Continued sediment screening, pumping, processing, and water treatment. Dredging and processing is approximately 90% complete.
- Continued the loading, tarping, and transportation of intermodal containers for processed sediment. Approximately 18,310 tons of processed sediment (783 containers), 2,280 tons of coarse solids (111 containers), and 320 tons of debris (16 containers) has been loaded into intermodal containers and transported to the transload facility for loading onto railcars to date for landfill disposal. Approximately 6,590 tons of processed sediment (289 containers) and 550 tons of coarse solids (29 containers) have been transported to the transload facility to date for incineration.
- The investigation-derived waste (IDW) materials that were generated during the previous Phase I investigation activities and temporarily stored in the OU-1 warehouse were transported off site for disposal, in accordance with the Waste Characterization QAPP (December 2011).

### Planned Activities - Weeks of 06/04 & 06/11:

- Complete dredging of sediment at a depth of 6 to 12 feet below the pre-construction sediment surface within the east half of the enclosure.
- Complete sediment screening, pumping, processing, and water treatment.
- Continue the loading, tarping, and transportation of intermodal containers for processed sediment. Setup and operate a debris washing operation at the Upland Processing Facility (UPF) to separate sediment from the debris in the debris waste stream.
- Complete the restressing and wale modification of Tieback #37 at the west end of the OU-1 Floodwall (80/120 Lister Avenue Site).
- Begin the initial water flushing of the sediment screening and processing systems. Begin equipment decontamination and demobilization for dredging, screening, and processing systems.

### Construction Quality Assurance/Safety:

- Behavioral-based safety tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 1 (86)
  - Job Loss Analysis (JLAs) – 0 (39)
  - Near Loss – 0 (24)
  - Incidents – 0 (4)
  - Stop Work Authority 2 – (42) – Weather-related stop work authority events.
  - Estimated field man hours to date – 109,400 hours.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Dredge and material barge*



*Spent carbon placement in intermodal containers*



*Debris barge near the end of material offload*

**Weekly Construction Progress Report #46  
(Continued)**

**Period:** 05/28/12 – 06/03/12

Construction Quality Assurance/Safety (continued):

- Daily perimeter air monitoring sample collection continued through dredging and sediment processing activities. Respiratory protection for the removal and processing of Dredge Cells 8, 9, and 10 was upgraded to Level C as a precautionary measure. The respiratory protection level was modified during dredging based on air monitoring results. For Dredge Cells 7, 11, and 12 the default respiratory protection level will be Level D unless air monitoring results indicate this level of protection is not adequate.
- Completed collection of barge sounding and manual sounding information to confirm the appropriate dredge depth was achieved in the completed portions of the east half of the enclosure.
- Continued collection of performance monitoring inclinometer readings and tide gauge data.
- Continued performance testing on the water treatment system. Performance testing results indicated the water treatment discharge water was within permissible limits.
- Geokon load cells for the tiebacks are in operation and being monitored.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman, June 05, 2012

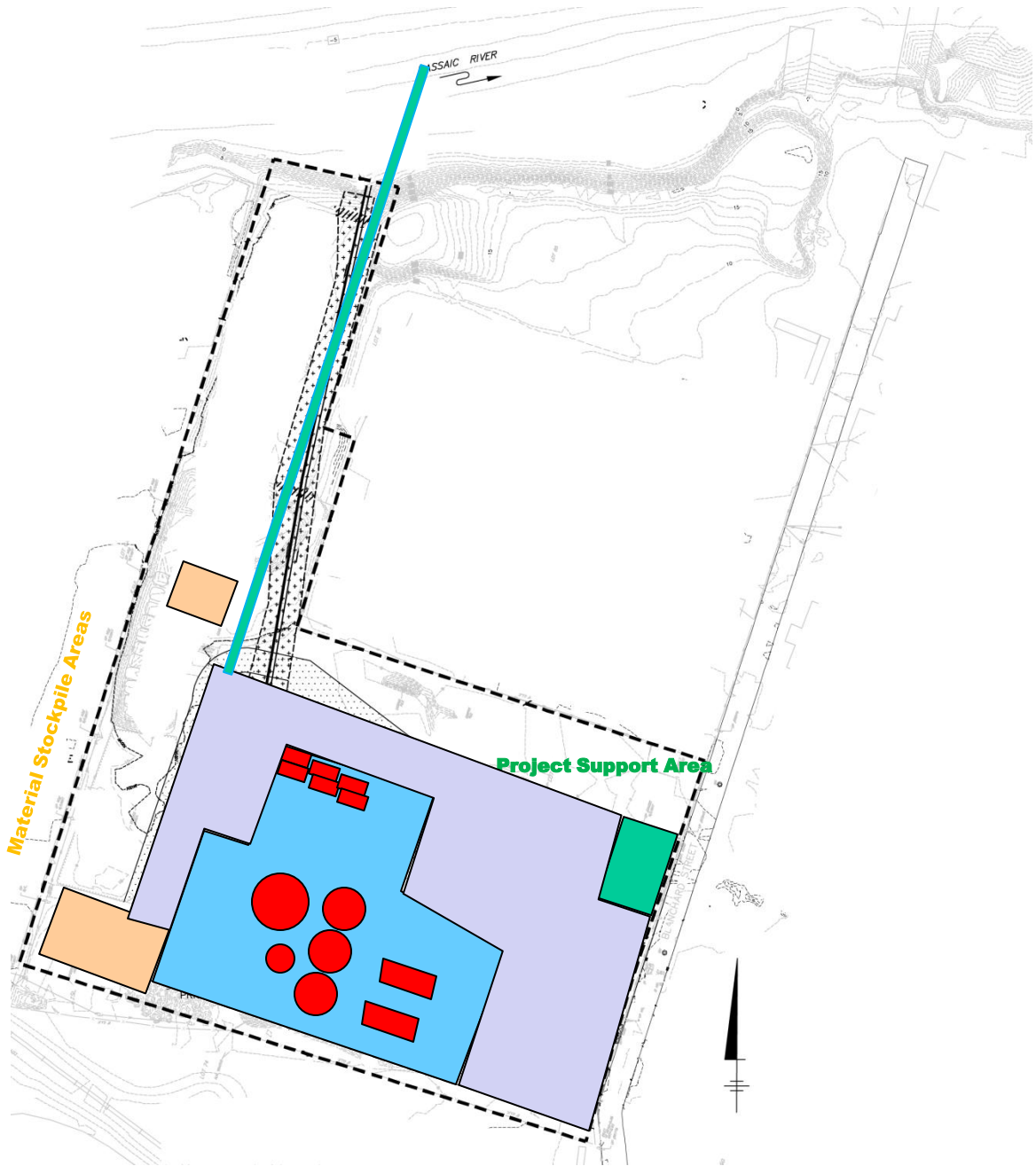
**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



*Managing of drums at the OU-1 for proper disposal*

**Weekly Construction Progress Report #46  
(Continued)**

**Period:** 05/28/12 – 06/03/12



**UPF Property**

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey

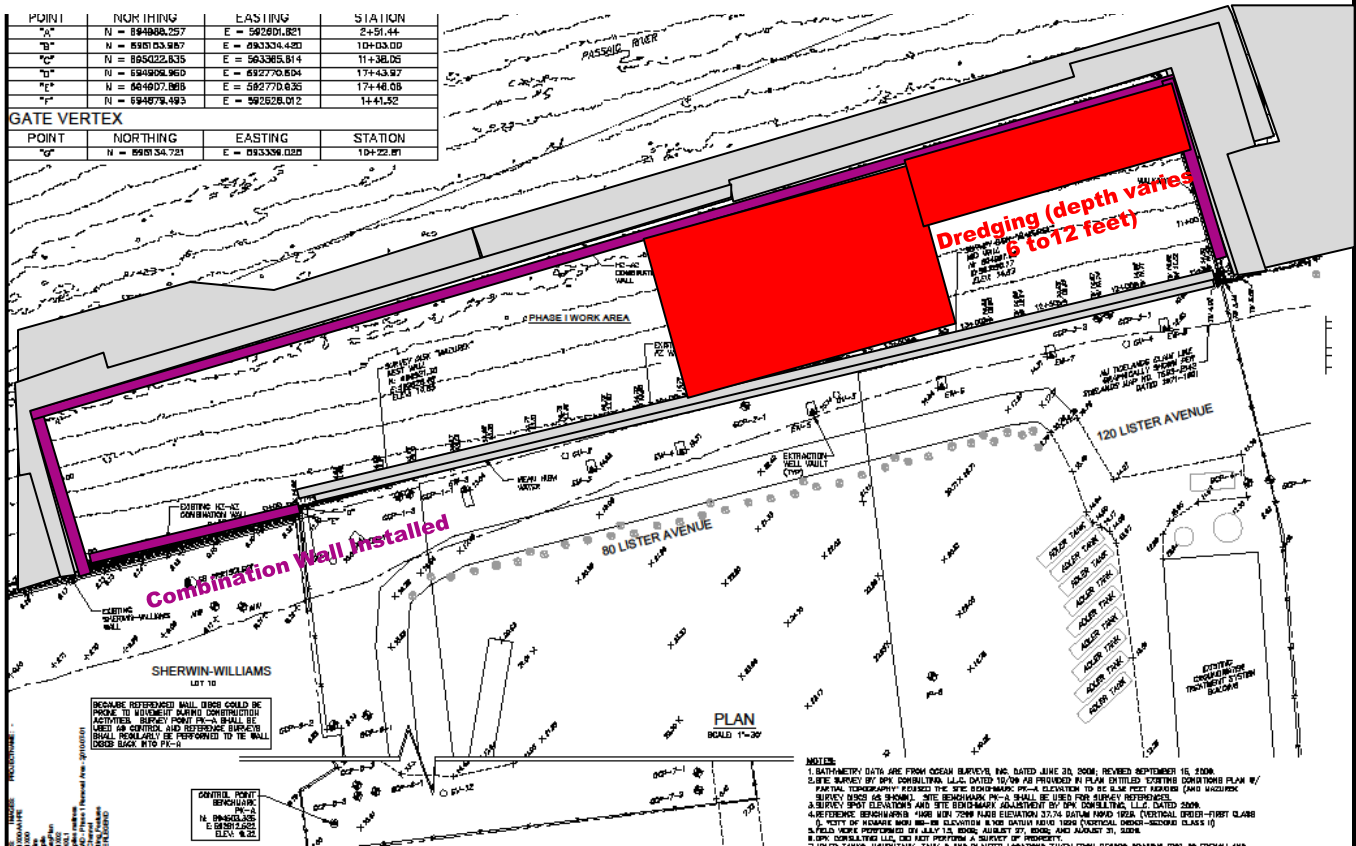
### Weekly Construction Progress Report #46 (Continued)

Period: 05/28/12 – 06/03/12

POINT	NORTHING	EASTING	STATION
"A"	N = 694868.257	E = 592501.821	2+51.44
"B"	N = 695153.887	E = 593334.420	10+33.00
"C"	N = 695022.635	E = 593365.814	11+38.05
"D"	N = 694908.960	E = 592770.604	17+43.97
"E"	N = 684907.868	E = 582770.636	17+46.08
"F"	N = 694878.493	E = 592628.012	14+1.52

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 695134.721	E = 693336.020	10+22.81



### OU-1 Property



## Weekly Construction Progress Report #47

Period: 06/04/12 – 06/10/12

### Project Work Performed:

- Continued dredging of sediment in the east half of the enclosure in Dredge Cells 7, 11, and 12 at a depth of 6 to 12 feet.
- Continued sediment screening, pumping, processing, and water treatment. Dredging and processing is approximately 95% complete.
- Continued the loading, tarping, and transportation of intermodal containers for processed sediment. Approximately 22,530 tons of processed sediment (967 containers), 2,470 tons of coarse solids (113 containers), and 320 tons of debris (16 containers) has been loaded into intermodal containers and transported to the transload facility for loading onto railcars to date for landfill disposal. Approximately 7,000 tons of processed sediment (314 containers) and 730 tons of coarse solids (37 containers) have been transported to the transload facility to date for incineration.
- Began debris washing operation of debris at the Upland Processing Facility (UPF) to separate debris and sediment materials.
- Began removal of monopiles around the enclosure.
- Completed the restressing and wale modification of Tieback #37 at the west end of the OU-1 Floodwall (80/120 Lister Avenue Site).

### Planned Activities - Weeks of 06/11 & 06/18:

- Complete dredging of sediment at a depth of 6 to 12 feet below the pre-construction sediment surface within the east half of the enclosure (Dredge Cell 11).
- Complete sediment screening, pumping, processing, and water treatment.
- Continue the loading, tarping, and transportation of intermodal containers for processed sediment. Complete the debris washing operation at the UPF to separate sediment from the debris in the debris waste stream.
- Begin the initial water flushing of the sediment screening and processing systems. Begin equipment decontamination and demobilization for dredging, screening, and processing systems.

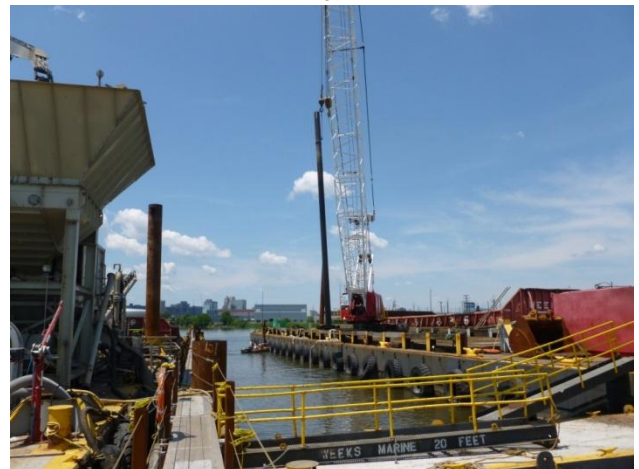
### Construction Quality Assurance/Safety:

- Behavioral-based safety tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 1 (87)
  - Job Loss Analysis (JLAs) – 1 (40)
  - Near Loss – 1 (25) – Worker power washing debris in the debris washing operation came in contact with sediment at the edge of his Tyvek. The material was washed off and the worker returned to work.
  - Incidents – 0 (4)
  - Stop Work Authority 1 – (43)
  - Estimated field man hours to date – 113,800 hours.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*View of the east end of the enclosure from the Passaic River*



*Removal of monopiles around the enclosure*



*Dredge bucket*

**Weekly Construction Progress Report #47  
(Continued)****Period:** 06/04/12 – 06/10/12Construction Quality Assurance/Safety (continued):

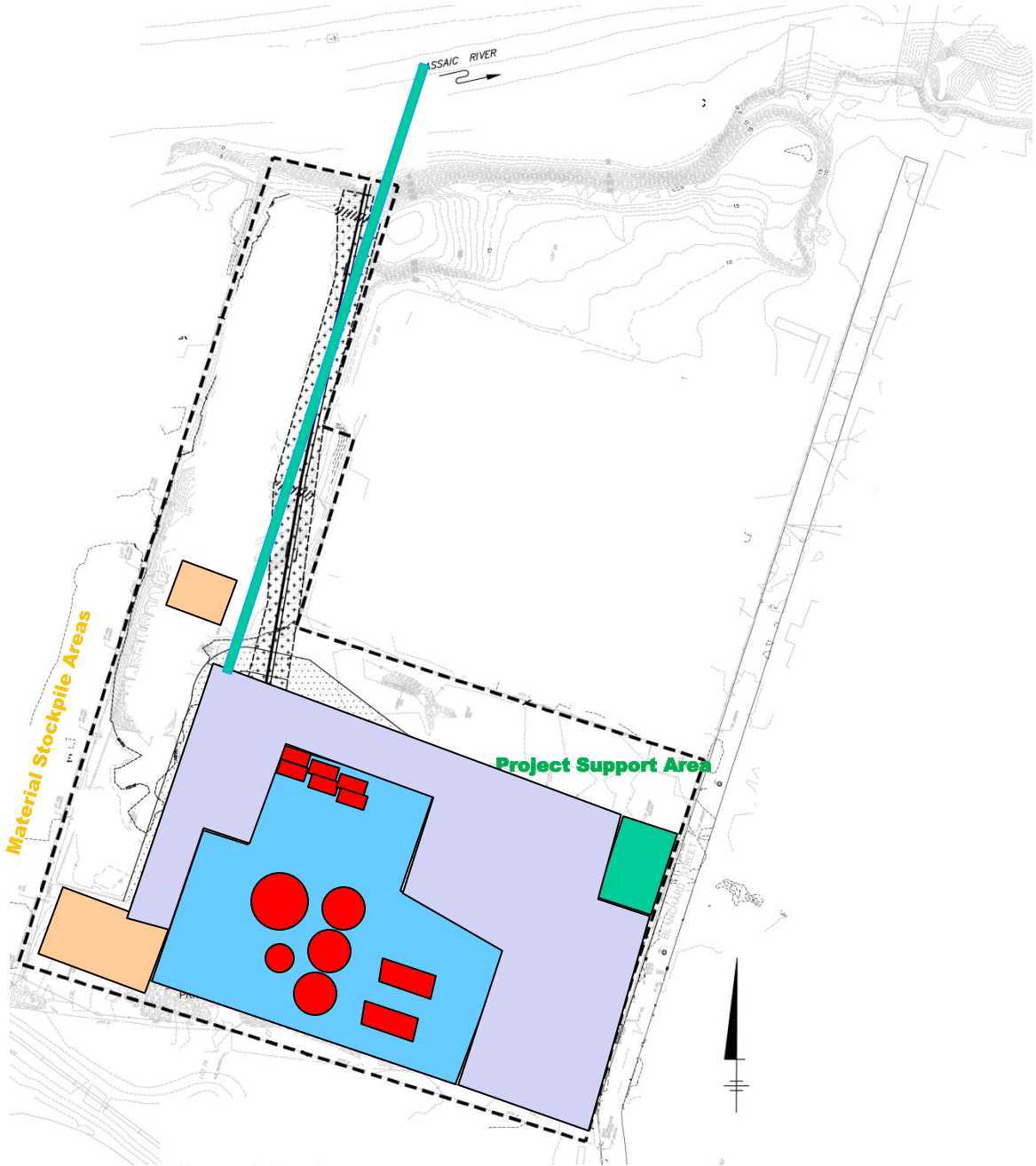
- Daily perimeter air monitoring sample collection continued through dredging and sediment processing activities. Respiratory protection for the removal and processing of Dredge Cells 7, 11, and 12 was upgraded to Level D. Respiratory protection for debris washing was Level C.
- Completed collection of barge sounding and manual sounding information to confirm the appropriate dredge depth was achieved over the entire dredge area.
- Continued collection of performance monitoring inclinometer readings and tide gauge data.
- Continued performance testing on the water treatment system.
- Geokon load cells for the tiebacks are in operation and being monitored.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman, June 13, 2012

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey*****Debris washing operation at the UPF***

**Weekly Construction Progress Report #47  
(Continued)**

Period: 06/04/12 – 06/10/12



**UPF Property**

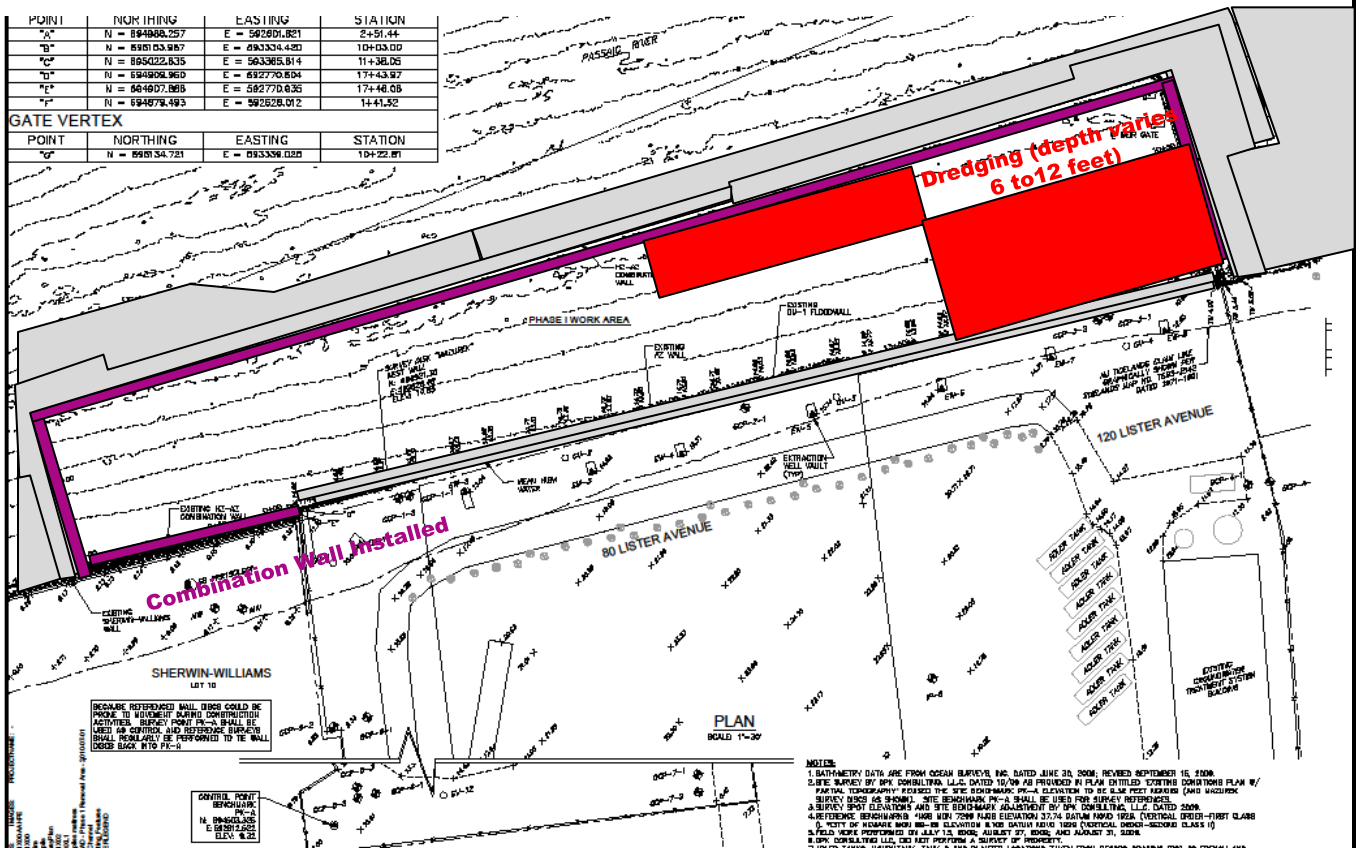
## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey

### Weekly Construction Progress Report #47 (Continued)

Period: 06/04/12 – 06/10/12

POINT	NORTHING	EASTING	STATION
"A"	N = 894868.257	E = 592501.821	2+51.44
"B"	N = 895153.887	E = 593334.420	10+33.00
"C"	N = 895022.635	E = 593365.814	11+38.05
"D"	N = 894908.960	E = 592770.604	17+43.97
"E"	N = 884907.868	E = 582770.636	17+46.08
"F"	N = 894878.493	E = 592628.012	14+1.52

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 895134.721	E = 593336.020	10+22.81



### OU-1 Property

## Weekly Construction Progress Report #48

Period: 06/11/12 – 06/17/12

### Project Work Performed:

- Completed dredging. Dredging performed in the east half of the enclosure in Dredge Cells 11 at a depth of 6 to 12 feet.
- Completed sediment screening, pumping, and processing.
- Continued the loading, tarping, and transportation of intermodal containers for processed sediment. Approximately 22,815 tons of processed sediment (979 containers), 2,470 tons of coarse solids (113 containers), and 380 tons of debris (20 containers) has been loaded into intermodal containers and transported to the transload facility for loading onto railcars to date for landfill disposal. Approximately 7,005 tons of processed sediment (314 containers) and 905 tons of coarse solids (44 containers) have been transported to the transload facility to date for incineration.
- Completed debris washing operation of debris at the Upland Processing Facility (UPF) to separate debris and sediment materials.
- Began removal of monopiles around the enclosure.
- Began removal of the scour protection mattresses from outside the enclosure.
- Completed mobilization and preparation activities for commencing backfill placement within the enclosure.
- Begin the initial flushing of the sediment screening and processing systems. Began equipment decontamination and demobilization for dredging, screening, and processing systems.

### Planned Activities - Weeks of 06/18 & 06/25:

- Continue the loading, tarping, and transportation of intermodal containers for processed sediment.
- Continue removal of the scour protection mattresses from outside the enclosure.
- Begin backfill placement within the enclosure.
- Continue the initial water flushing of the sediment screening and processing systems. Continue equipment decontamination and demobilization for dredging, screening, and processing systems.

### Construction Quality Assurance/Safety:

- Behavioral-based safety tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 0 (87)
  - Job Loss Analysis (JLAs) – 0 (40)
  - Near Loss – 0 (25)
  - Incidents – 0 (4)
  - Stop Work Authority 0 – (43)
  - Estimated field man hours to date – 119,200 hours.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Mobilization of crane for concrete mattress removal and backfill activities*



*Screening of the final material dredged*



*Washed debris material containerized for disposal*

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**

**Weekly Construction Progress Report #48  
(Continued)**

**Period:** 06/10/12 – 06/17/12

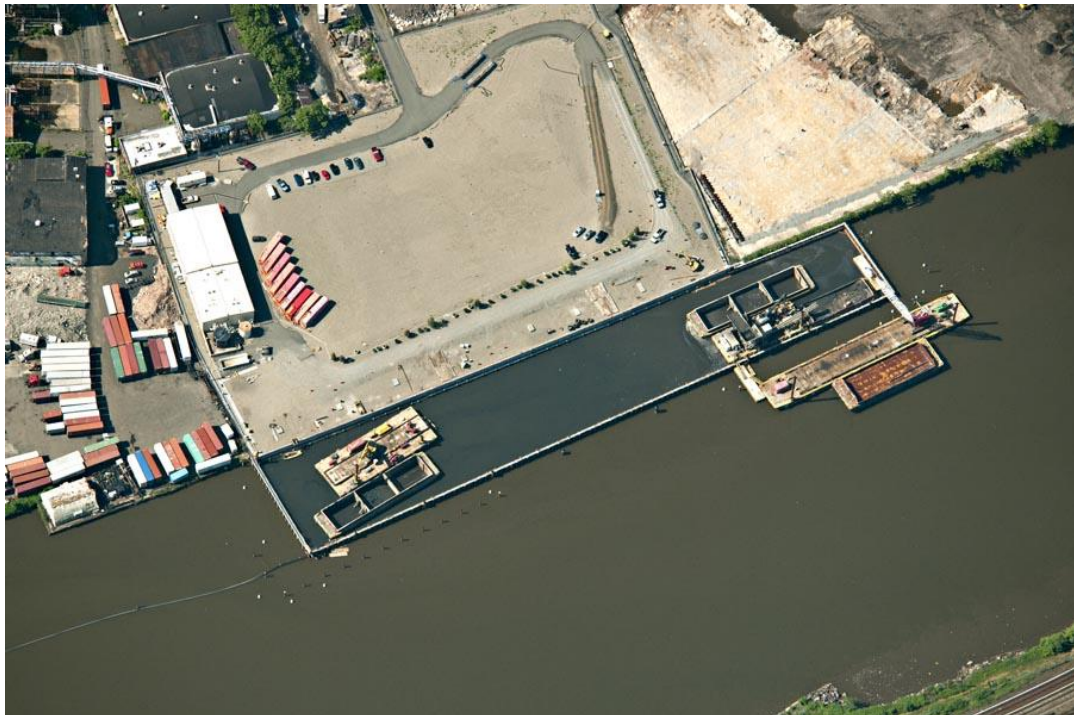
Construction Quality Assurance/Safety (continued):

- Daily perimeter air monitoring sample collection continued through dredging and sediment processing activities. Respiratory protection for the removal and processing of Dredge Cell 11 was Level D. Respiratory protection for debris washing was Level C.
- Completed collection of barge sounding and manual sounding information to confirm the appropriate dredge depth was achieved over the entire dredge area.
- Continued collection of performance monitoring inclinometer readings and tide gauge data.
- Concluded performance testing on the water treatment system.
- Geokon load cells for the tiebacks are in operation and being monitored.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).



*Employee appreciation activities sponsored by Clean Harbors*

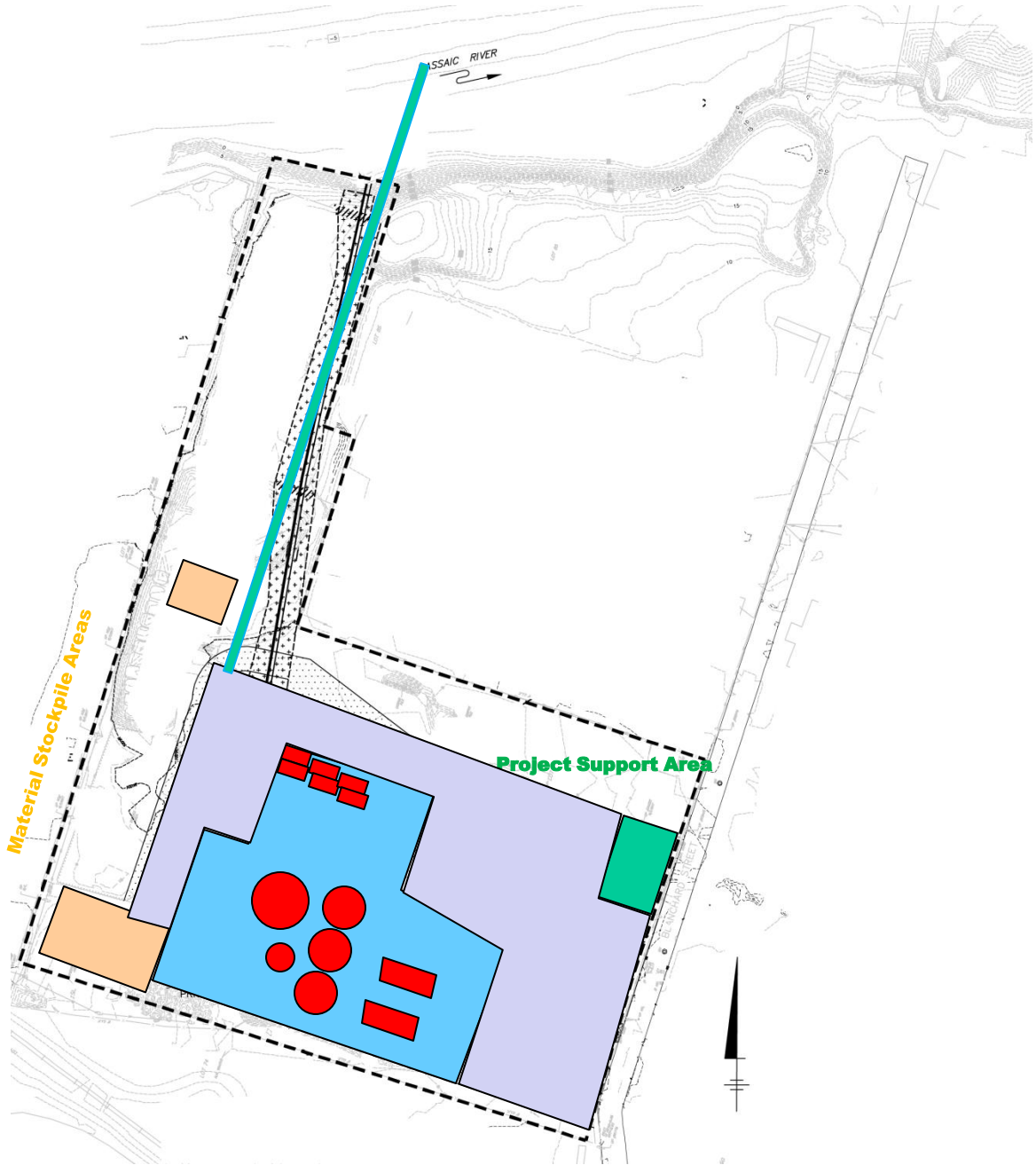
Prepared by Matthew Bowman, June 18, 2012



*Aerial of the enclosure and OU-1 Property*

**Weekly Construction Progress Report #48  
(Continued)**

**Period:** 06/11/12 – 06/17/12



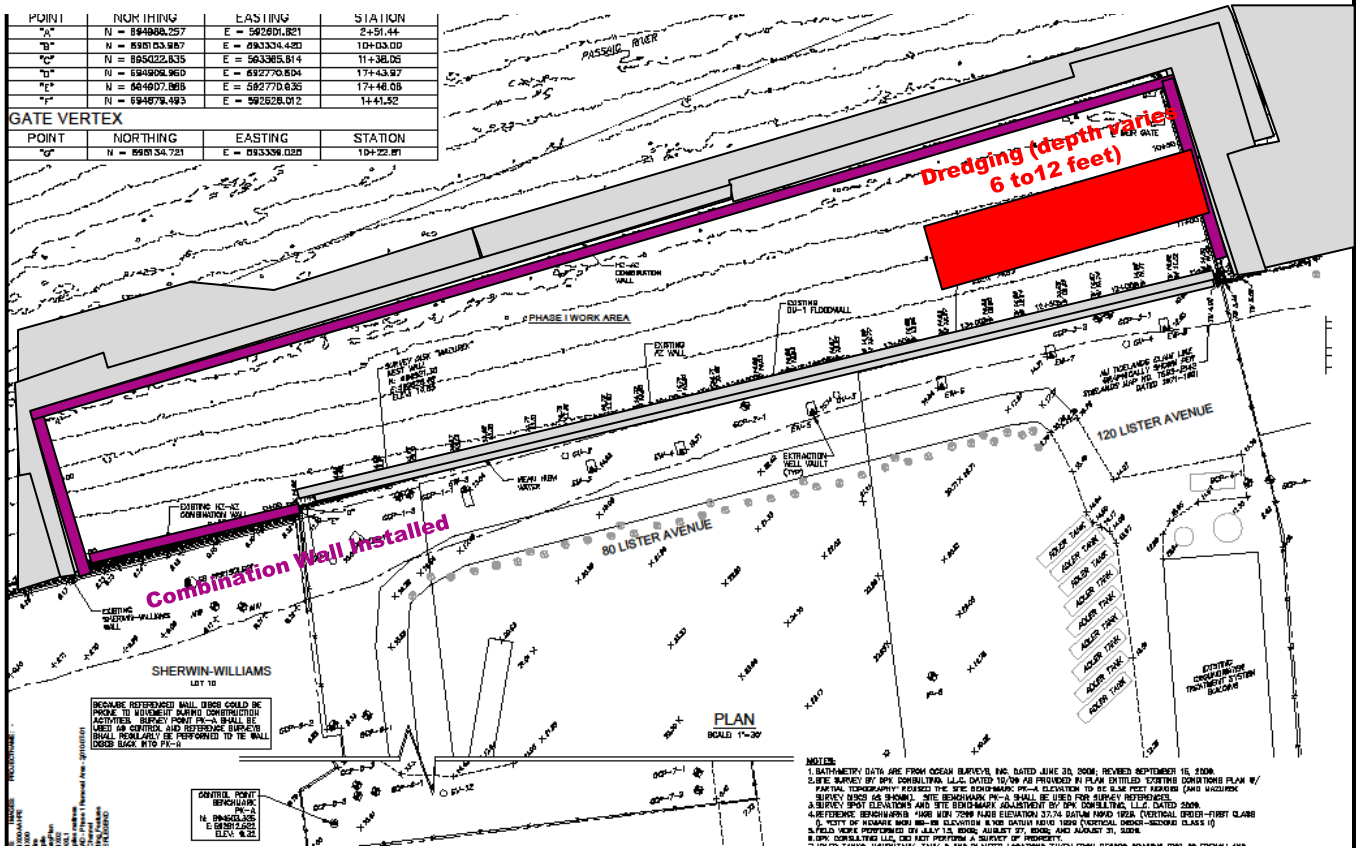
**UPF Property**

### Weekly Construction Progress Report #48 (Continued)

Period: 06/11/12 – 06/17/12

POINT	NORTHING	EASTING	STATION
"A"	N = 894868.257	E = 592501.821	2+51.44
"B"	N = 895153.887	E = 593334.420	10+33.00
"C"	N = 895022.635	E = 593365.814	11+38.05
"D"	N = 894908.960	E = 592770.604	17+43.97
"E"	N = 884907.888	E = 582770.636	17+46.08
"F"	N = 894878.493	E = 592628.012	14+1.52

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 895134.721	E = 593336.020	10+22.81



### OU-1 Property



## Weekly Construction Progress Report #49

**Period:** 06/18/12 – 07/08/12

### Project Work Performed:

- Continued the loading, tarping, and transportation of intermodal containers for processed sediment. Approximately 22,955 tons of processed sediment (985 containers), 2,540 tons of coarse solids (116 containers), and 570 tons of debris (38 containers) has been loaded into intermodal containers and transported to the transload facility for loading onto railcars to date for landfill disposal. Approximately 7,005 tons of processed sediment (314 containers) and 1,030 tons of coarse solids (50 containers) have been transported to the transload facility to date for incineration.
- Continued removal of the scour protection mattresses from outside the enclosure.
- Began backfill delivery and placement in the enclosure (approximately 30 % complete).
- Completed the initial flushing of the sediment screening and processing systems.
- Continued equipment decontamination and demobilization for dredging, screening, and processing systems.
- Began demobilization and removal of water treatment equipment. A smaller temporary treatment system was mobilized and setup to facilitate the decon and removal of the primary water treatment system. Decon water treated (filtration and activated carbon) by the smaller temporary treatment system is discharged directly back into the enclosure.

### Planned Activities - Weeks of 07/09 & 07/16:

- Continue the loading, tarping, and transportation of intermodal containers for contaminated materials.
- Continue scour protection removal and backfill placement within the enclosure.
- Continue equipment decontamination and demobilization for dredging, screening, and processing systems.
- Removal and stabilization of remaining residual solids from sediment processing and water treatment operations.

### Construction Quality Assurance/Safety:

- Behavioral-based safety tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 5 (92)
  - Job Loss Analysis (JLAs) – 0 (40)
  - Near Loss – 1 (26) – Broken glassware encountered during sampling activities.
  - Incidents – 0 (4)
  - Stop Work Authority 3 – (43) – Weather-related (lightning) and ensuring proper fall protection.
  - Estimated field man hours to date – 117,000 hours.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Debris load-out activities at the OU-1*



*Delivered backfill material*



*Inspection and decon of the coarse solids conveyor*

**Weekly Construction Progress Report #49  
(Continued)**

**Period:** 06/18/12 – 07/08/12

Construction Quality Assurance/Safety (continued):

- Continued collection of performance monitoring inclinometer readings and tide gauge data.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman, July 6, 2012

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**

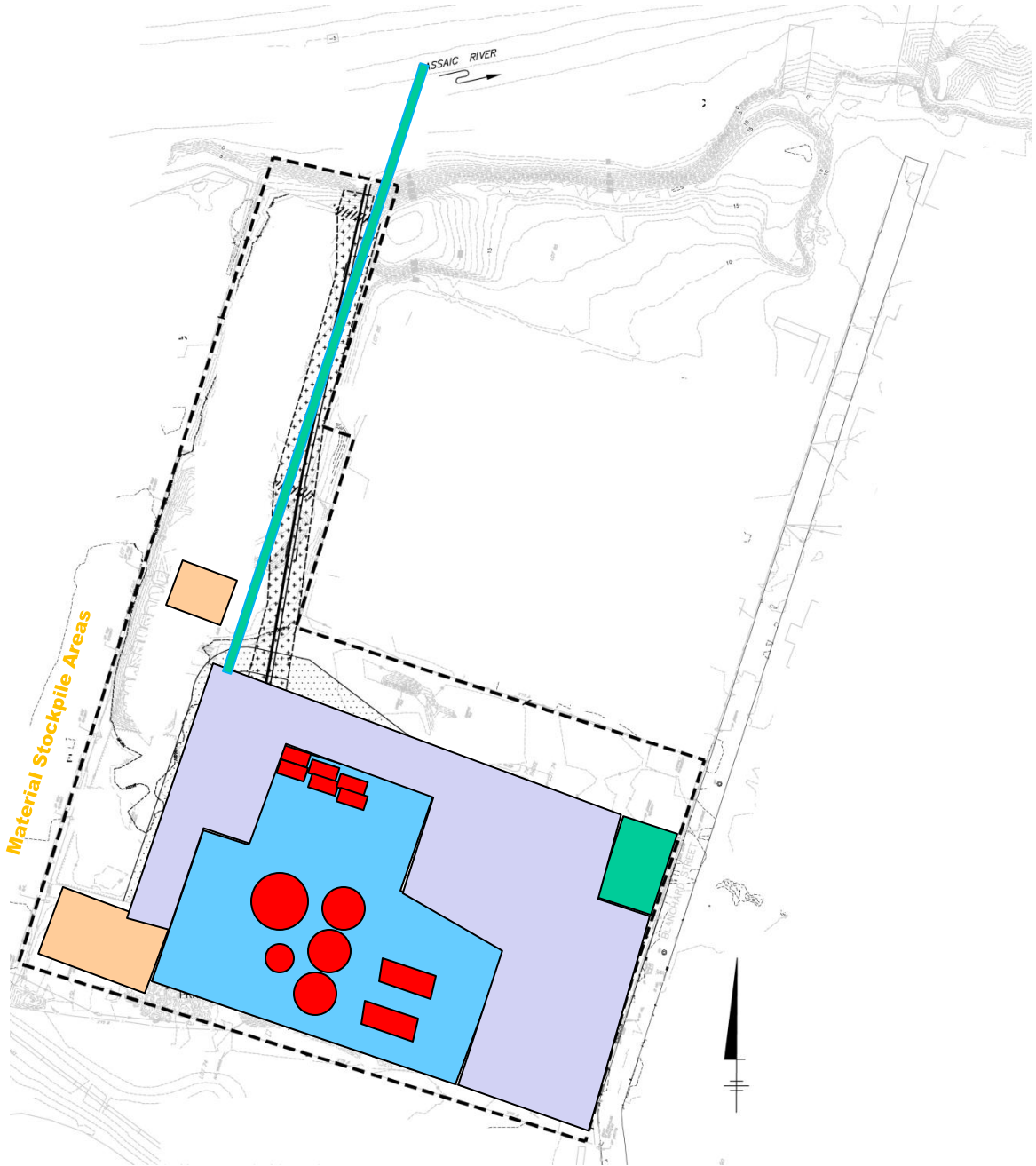
*Decontaminated debris barge*



*Decontaminated screen hopper*

**Weekly Construction Progress Report #49  
(Continued)**

**Period:** 06/18/12 – 07/08/12



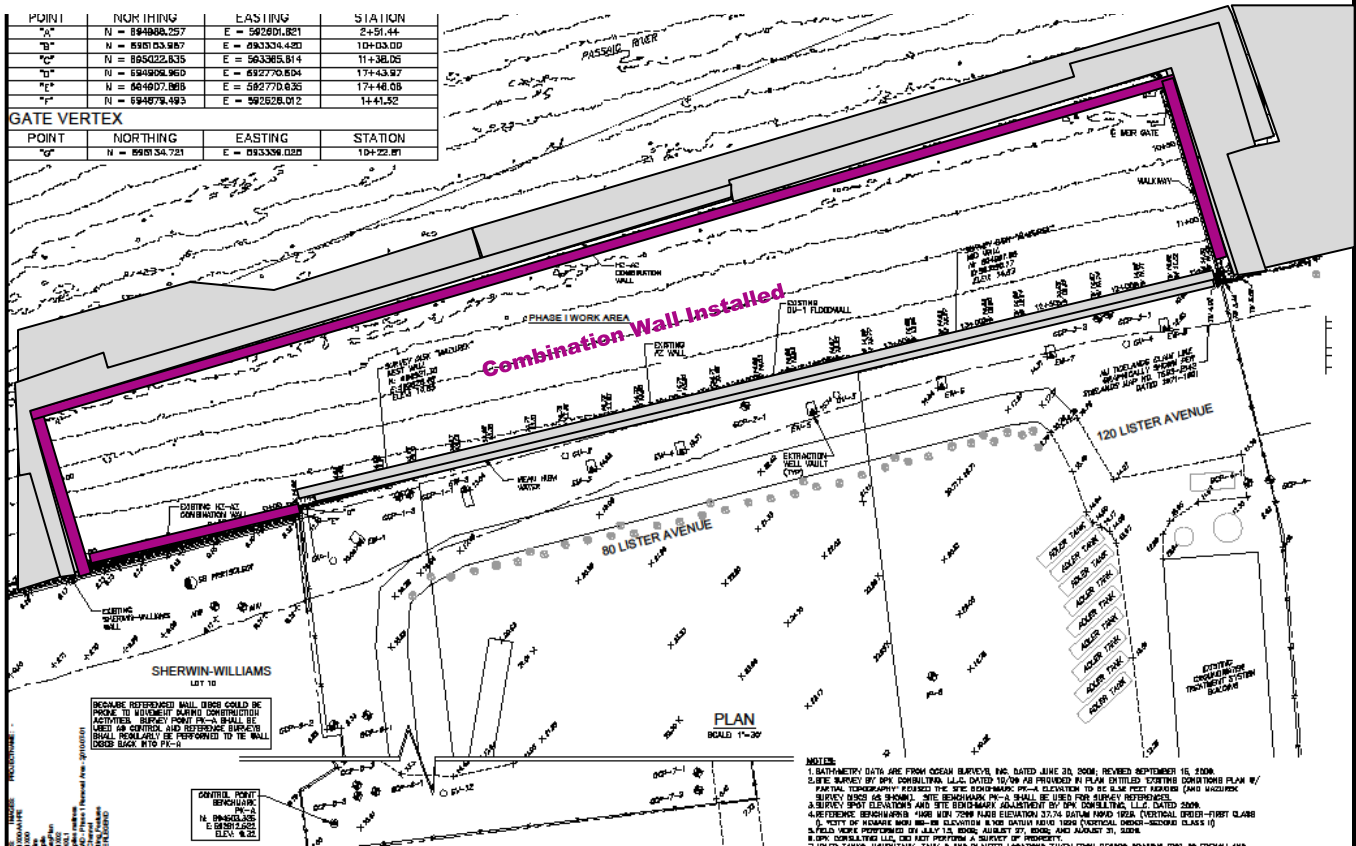
**UPF Property**

### Weekly Construction Progress Report #49 (Continued)

Period: 06/18/12 – 07/08/12

POINT	NORTHING	EASTING	STATION
"A"	N = 894866.257	E = 592501.821	2+51.44
"B"	N = 895153.887	E = 593334.420	10+33.00
"C"	N = 895022.635	E = 593365.814	11+38.05
"D"	N = 894908.960	E = 592770.604	17+43.97
"E"	N = 884907.868	E = 582770.636	17+46.08
"F"	N = 894878.493	E = 592628.012	14+1.52

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 895134.721	E = 593336.020	10+22.81



### OU-1 Property

## Weekly Construction Progress Report #50

Period: 07/09/12 – 07/15/12

### Project Work Performed:

- Continued the loading, tarping, and transportation of intermodal containers for processed sediment. Approximately 22,955 tons of processed sediment (985 containers), 2,540 tons of coarse solids (116 containers), and 570 tons of debris (38 containers) has been loaded into intermodal containers and transported to the transload facility for loading onto railcars to date for landfill disposal. Approximately 7,005 tons of processed sediment (314 containers) and 1,030 tons of coarse solids (50 containers) have been transported to the transload facility to date for incineration.
- Continued removal of the scour protection mattresses from outside the enclosure. Continued backfill placement within the enclosure (approximately 45% complete).
- Continued equipment decontamination and demobilization for processing and water treatment systems.
- Began cleaning of the asphalt surfaces at the UPF.
- Continued demobilization and removal of water treatment equipment. Completed removal of spent activated carbon from the water treatment system. Decon water treated (filtration and activated carbon) by the smaller temporary treatment system is discharged to the directly back into the enclosure.

### Planned Activities - Weeks of 07/16 & 07/23:

- Continue the loading, tarping, and transportation of intermodal containers for contaminated materials.
- Continue removal of scour protection mattresses.
- Continue backfill placement within the enclosure.
- Complete cleaning of the asphalt surfaces at the UPF.
- Continue equipment decontamination and demobilization for processing and water treatment systems.

### Construction Quality Assurance/Safety:

- Behavioral-based safety tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 1 (93)
  - Job Loss Analysis (JLAs) – 0 (40)
  - Near Loss – 0 (26)
  - Incidents – 0 (4)
  - Stop Work Authority 1 – (44) – Weather-related (lightning).
  - Estimated field man hours to date – 120,000 hours.
- Began soundings for confirmation of backfill placement elevations.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



Inside of cleaned sludge storage tank



Vacuum truck being used for equipment decontamination



Coarse solids separation equipment clean

**Weekly Construction Progress Report #50  
(Continued)**

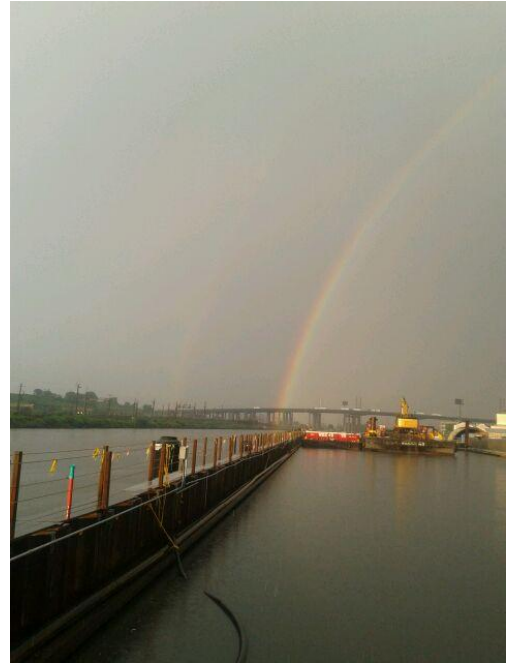
**Period:** 07/09/12 – 07/15/12

Construction Quality Assurance/Safety (continued):

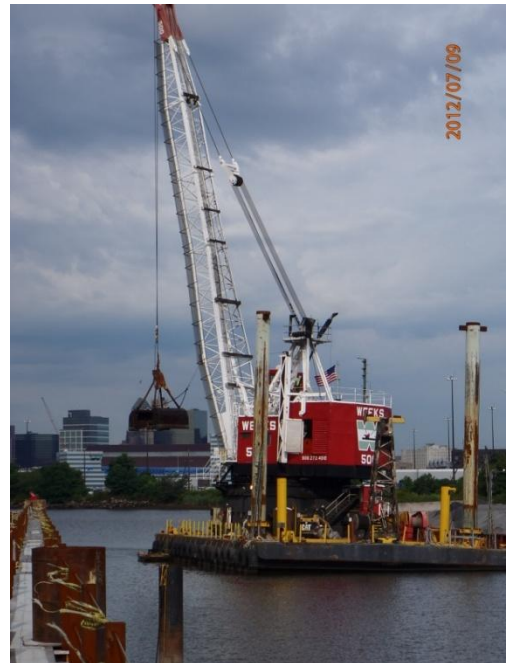
- Continued collection of performance monitoring inclinometer readings and tide gauge data.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman, July 19, 2012

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



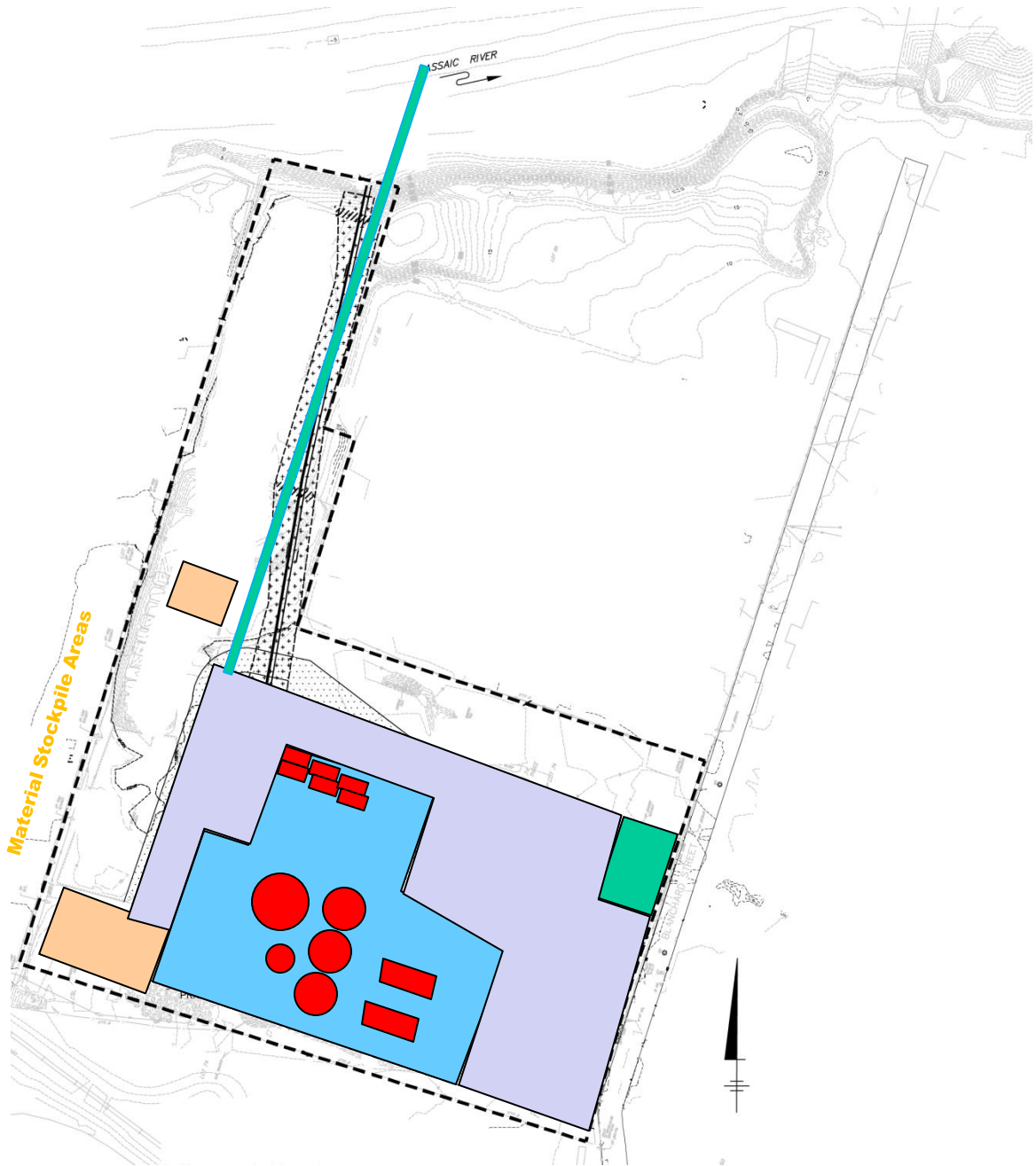
*View of the east end of the Enclosure*



*Backfill placement at the enclosure*

**Weekly Construction Progress Report #50  
(Continued)**

Period: 07/09/12 – 07/15/12



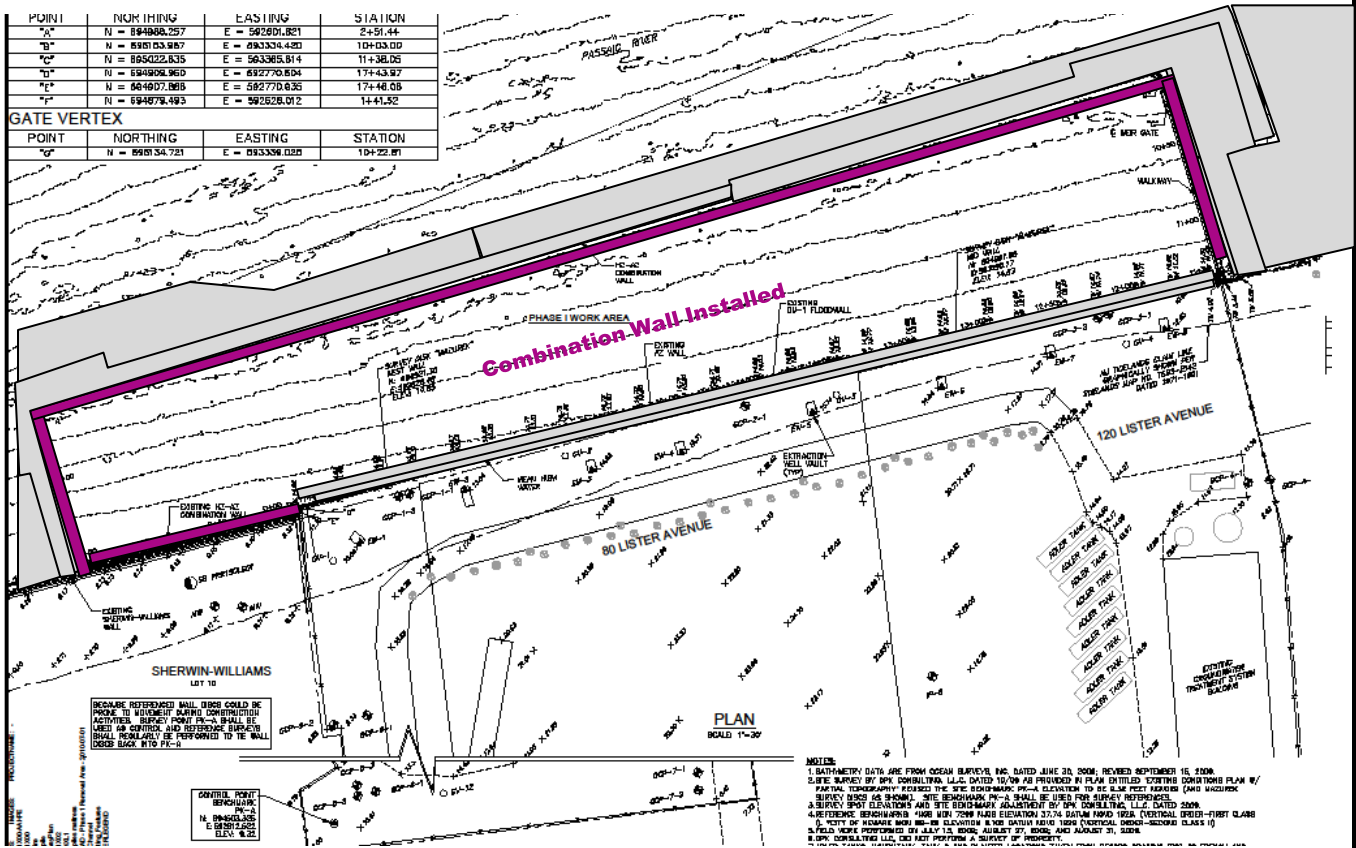
**UPF Property**

**Weekly Construction Progress Report #50  
(Continued)**

Period: 07/09/12 – 07/15/12

POINT	NORTHING	EASTING	STATION
"A"	N = 894868.257	E = 592501.821	2+51.44
"B"	N = 895153.887	E = 593334.420	10+33.00
"C"	N = 895022.635	E = 593365.814	11+38.05
"D"	N = 894908.960	E = 592770.604	17+43.97
"E"	N = 884907.868	E = 582770.636	17+46.08
"F"	N = 894878.493	E = 592628.012	14+1.52

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 895134.721	E = 593336.020	10+22.81



**OU-1 Property**



## Weekly Construction Progress Report #51

Period: 07/16/12 – 07/22/12

### Project Work Performed:

- Continued the loading, tarping, and transportation of intermodal containers for processed sediment. Approximately 22,955 tons of processed sediment (978 containers), 2,610 tons of coarse solids (119 containers), and 580 tons of debris (40 containers) has been loaded into intermodal containers and transported to the transload facility for loading onto railcars to date for landfill disposal. Approximately 7,005 tons of processed sediment (300 containers) and 1,220 tons of coarse solids (60 containers) have been transported to the transload facility to date for incineration.
- Continued removal of the scour protection mattresses from outside the enclosure. Continued backfill placement within the enclosure (approximately 45% complete).
- Continued equipment decontamination and demobilization for processing and water treatment systems.
- Continued cleaning of the asphalt surfaces at the UPF.
- Continued demobilization and removal of water treatment equipment. Decon water treated (filtration and activated carbon) by the smaller temporary treatment system is discharged to the directly back into the enclosure.

### Planned Activities - Weeks of 07/23 & 07/30:

- Continue the loading, tarping, and transportation of intermodal containers for contaminated materials.
- Continue removal of scour protection mattresses.
- Continue backfill placement within the enclosure.
- Complete cleaning of the asphalt surfaces at the UPF.
- Complete equipment decontamination and demobilization for processing and water treatment systems.

### Construction Quality Assurance/Safety:

- Behavioral-based safety tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 1 (94)
  - Job Loss Analysis (JLAs) – 0 (40)
  - Near Loss – 0 (26)
  - Incidents – 0 (4)
  - Stop Work Authority 1 – (45) – Weather-related (lightning).
- Estimated field man hours to date – 121,100 hours.
- Continued soundings for confirmation of backfill placement elevations.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



Offloading of excavator from the barge



Cleaned interior of the sludge thickener tank



Crew working on cleaning water treatment equipment

**Weekly Construction Progress Report #51  
(Continued)**

**Period:** 07/16/12 – 07/22/12

Construction Quality Assurance/Safety (continued):

- Continued collection of performance monitoring inclinometer readings and tide gauge data.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman, July 23, 2012

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**

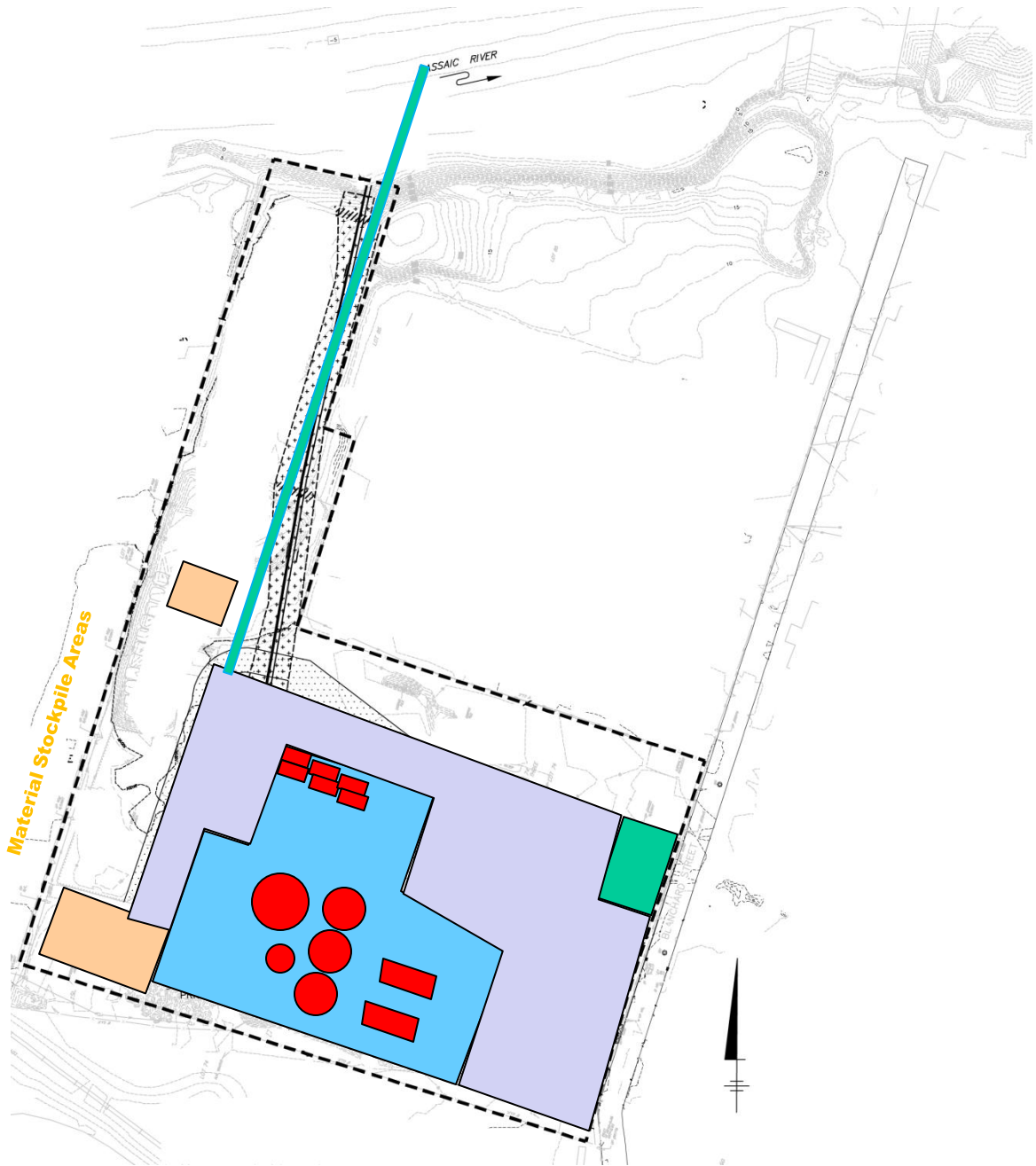
*Cleaned interior of the carbon vessels*



*Frac tanks cleaned and awaiting demobilization*

**Weekly Construction Progress Report #51  
(Continued)**

Period: 07/16/12 – 07/22/12



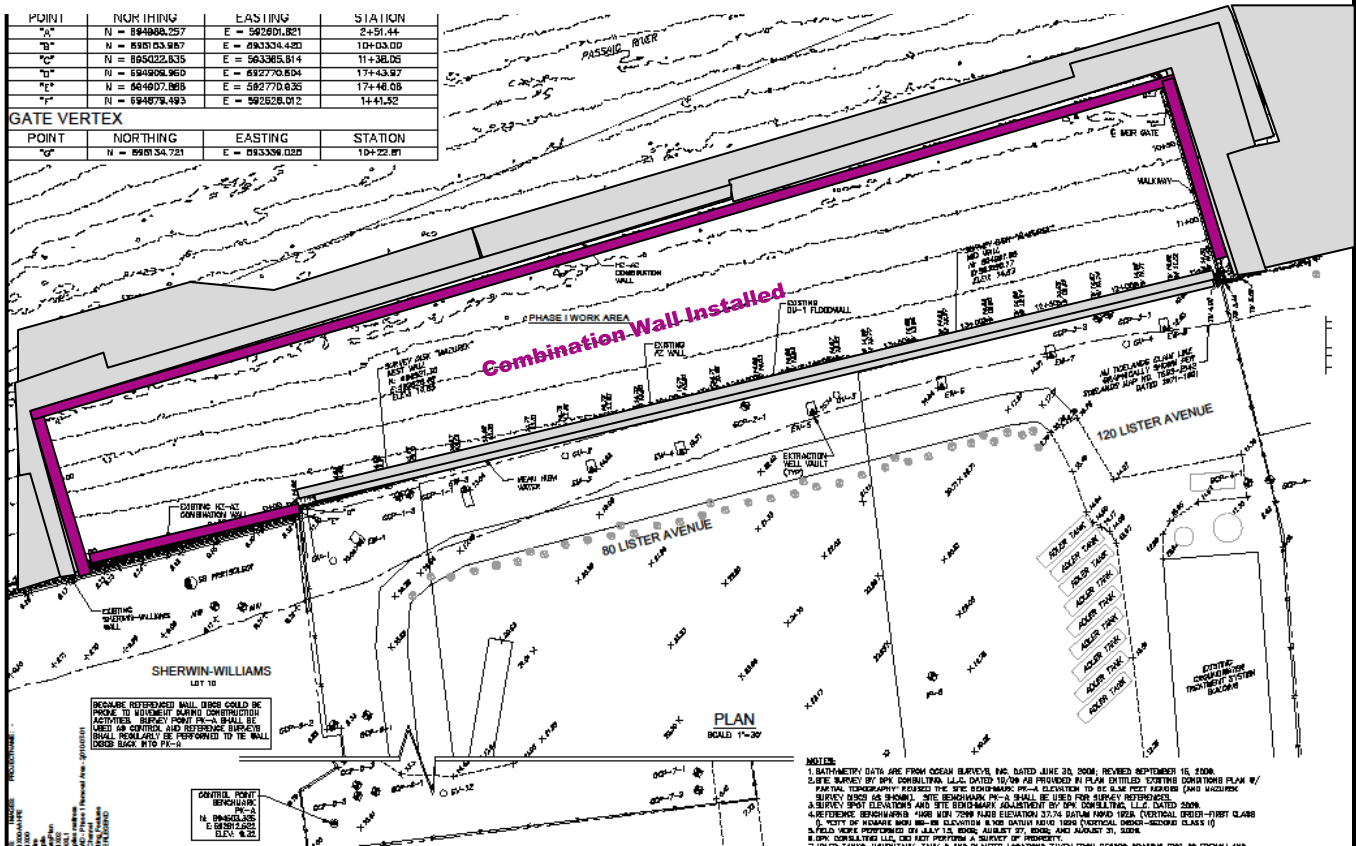
**UPF Property**

**Weekly Construction Progress Report #51  
(Continued)**

Period: 07/16/12 – 07/22/12

POINT	NORTHING	EASTING	STATION
"A"	N = 894868.257	E = 592501.821	2+51.44
"B"	N = 895153.887	E = 593334.420	10+33.00
"C"	N = 895022.635	E = 593365.814	11+38.05
"D"	N = 894908.960	E = 592770.604	17+43.97
"E"	N = 884907.868	E = 582770.636	17+46.08
"F"	N = 894878.493	E = 592628.012	14+1.52

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 895134.721	E = 593336.020	10+22.81



**OU-1 Property**

## Weekly Construction Progress Report #52

Period: 07/23/12 – 07/29/12

### Project Work Performed:

- Continued the loading, tarping, and transportation of intermodal containers for processed sediment. Approximately 22,955 tons of processed sediment (978 containers), 2,610 tons of coarse solids (119 containers), and 580 tons of debris (40 containers) has been loaded into intermodal containers and transported to the transload facility for loading onto railcars to date for landfill disposal. Approximately 7,005 tons of processed sediment (300 containers) and 1,220 tons of coarse solids (60 containers) have been transported to the transload facility to date for incineration.
- Continued removal of the scour protection mattresses from outside the enclosure. Continued backfill placement within the enclosure (approximately 50% complete). Mechanical issues with the crane has slowed the progress of backfill placement, but the crane has been repaired and a second one is being brought to the Site.
- Continued equipment decontamination and demobilization for processing and water treatment systems.
- Completed cleaning of the asphalt surfaces at the UPF.
- Continued demobilization and removal of water treatment equipment. Decon water treated (filtration and activated carbon) by the smaller temporary treatment system is discharged to the directly back into the enclosure.

### Planned Activities - Weeks of 07/30 & 08/06:

- Continue the loading, tarping, and transportation of intermodal containers for contaminated materials.
- Continue removal of scour protection mattresses.
- Continue backfill placement within the enclosure.
- Complete equipment decontamination and demobilization for processing and water treatment systems.

### Construction Quality Assurance/Safety:

- Behavioral-based safety tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 1 (95)
  - Job Loss Analysis (JLAs) – 0 (40)
  - Near Loss – 0 (26)
  - Incidents – 0 (4)
  - Stop Work Authority 2 – (47) – Weather-related (lightning) and a worn part on the crane installing backfill.
- Estimated field man hours to date –122,100 hours.
- Continued soundings for confirmation of backfill placement elevations.
- Continued collection of performance monitoring inclinometer readings and tide gauge data.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Demobilizing equipment and material*



*Cleaning of asphalt surfaces at the UPF*



*Removal of water treatment equipment*

## Weekly Construction Progress Report #52 (Continued)

**Period:** 07/23/12 – 07/29/12

### Construction Quality Assurance/Safety (continued):

- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman, July 31, 2012

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



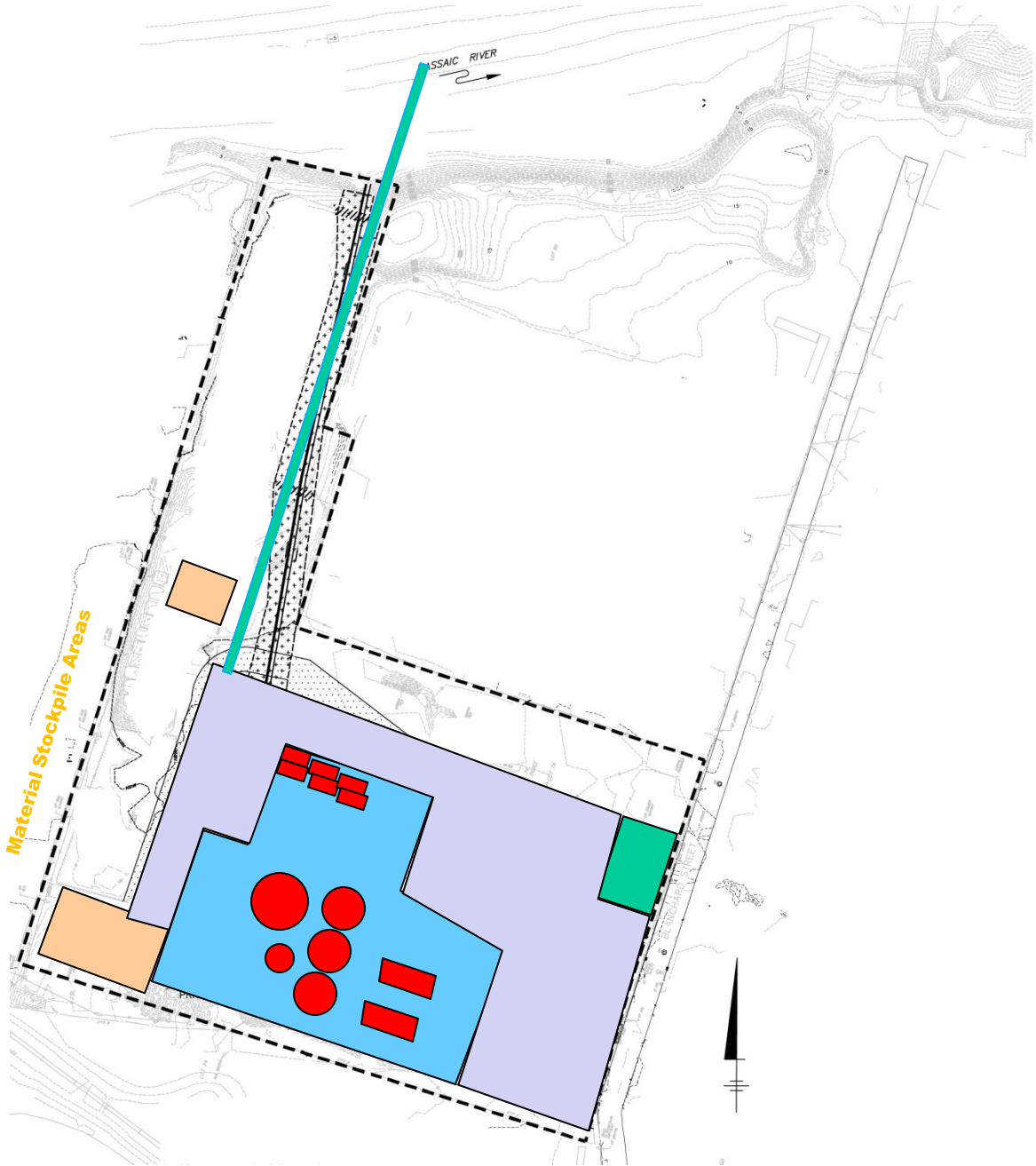
*UPF pad during demobilization*



*Water treatment equipment loaded for demobilization*

**Weekly Construction Progress Report #52  
(Continued)**

Period: 07/23/12 – 07/29/12



**UPF Property**

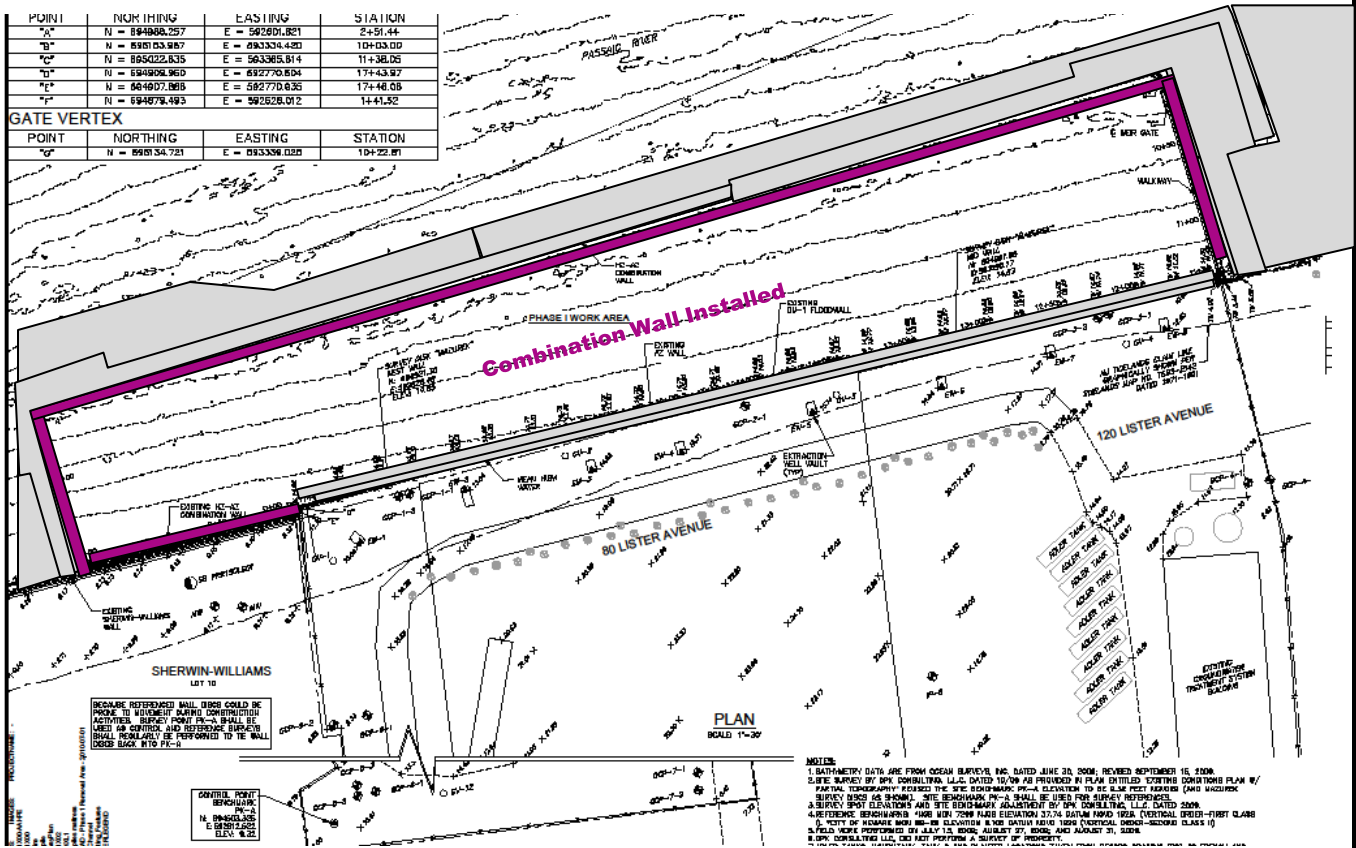
**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**

**Weekly Construction Progress Report #52  
(Continued)**

Period: 07/23/12 – 07/29/12

POINT	NORTHING	EASTING	STATION
"A"	N = 894868.257	E = 592501.821	2+51.44
"B"	N = 895153.887	E = 593334.420	10+33.00
"C"	N = 895022.635	E = 593365.814	11+38.05
"D"	N = 894908.960	E = 592770.604	17+43.97
"E"	N = 884907.888	E = 582770.636	17+46.08
"F"	N = 894878.493	E = 592628.012	14+1.52

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 895134.721	E = 593336.020	10+22.81



**OU-1 Property**



## Weekly Construction Progress Report #53

Period: 07/30/12 – 08/05/12

### Project Work Performed:

- Continued the loading, tarping, and transportation of intermodal containers for processed sediment. Approximately 22,955 tons of processed sediment (978 containers), 2,610 tons of coarse solids (119 containers), and 580 tons of debris (40 containers) has been loaded into intermodal containers and transported to the transload facility for loading onto railcars to date for landfill disposal. Approximately 7,005 tons of processed sediment (300 containers) and 1,220 tons of coarse solids (60 containers) have been transported to the transload facility to date for incineration.
- Continued removal of the scour protection mattresses from outside the enclosure. Continued backfill placement within the enclosure (approximately 60% complete). Second crane was brought to the Site to supplement backfill operations.
- Continued equipment decontamination and demobilization for the water treatment system. Decon water treated (filtration and activated carbon) by the smaller temporary treatment system was discharged to the directly back into the enclosure. Temporary water treatment operations has concluded.

### Planned Activities - Weeks of 08/06 & 08/13:

- Continue the loading, tarping, and transportation of intermodal containers for contaminated materials. Complete the removal of tarping operation scaffolding.
- Complete the packing, transportation, and disposal of two gas cylinders recovered from the sediment removal area.
- Continue removal of scour protection mattresses.
- Continue backfill placement within the enclosure.
- Complete equipment decontamination and demobilization for processing and water treatment systems.

### Construction Quality Assurance/Safety:

- Behavioral-based safety tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 1 (96)
  - Job Loss Analysis (JLAs) – 0 (40)
  - Near Loss – 0 (26)
  - Incidents – 0 (4)
  - Stop Work Authority 4 – (51) – Three weather-related (lightning) and one non-project related police response.
- Estimated field man hours to date –123,200 hours.
- Continued soundings for confirmation of backfill placement elevations.
- Continued collection of performance monitoring inclinometer readings, optical survey, and tide gauge data.

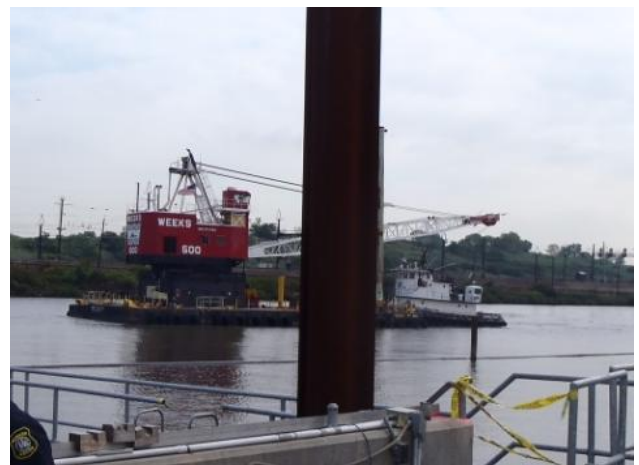
## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Enclosure backfill operations*



*Demobilization of treatment system components*



*Barge crane mobilization*

## Weekly Construction Progress Report #53 (Continued)

**Period:** 07/30/12 – 08/05/12

### Construction Quality Assurance/Safety (continued):

- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman, August 7, 2012

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



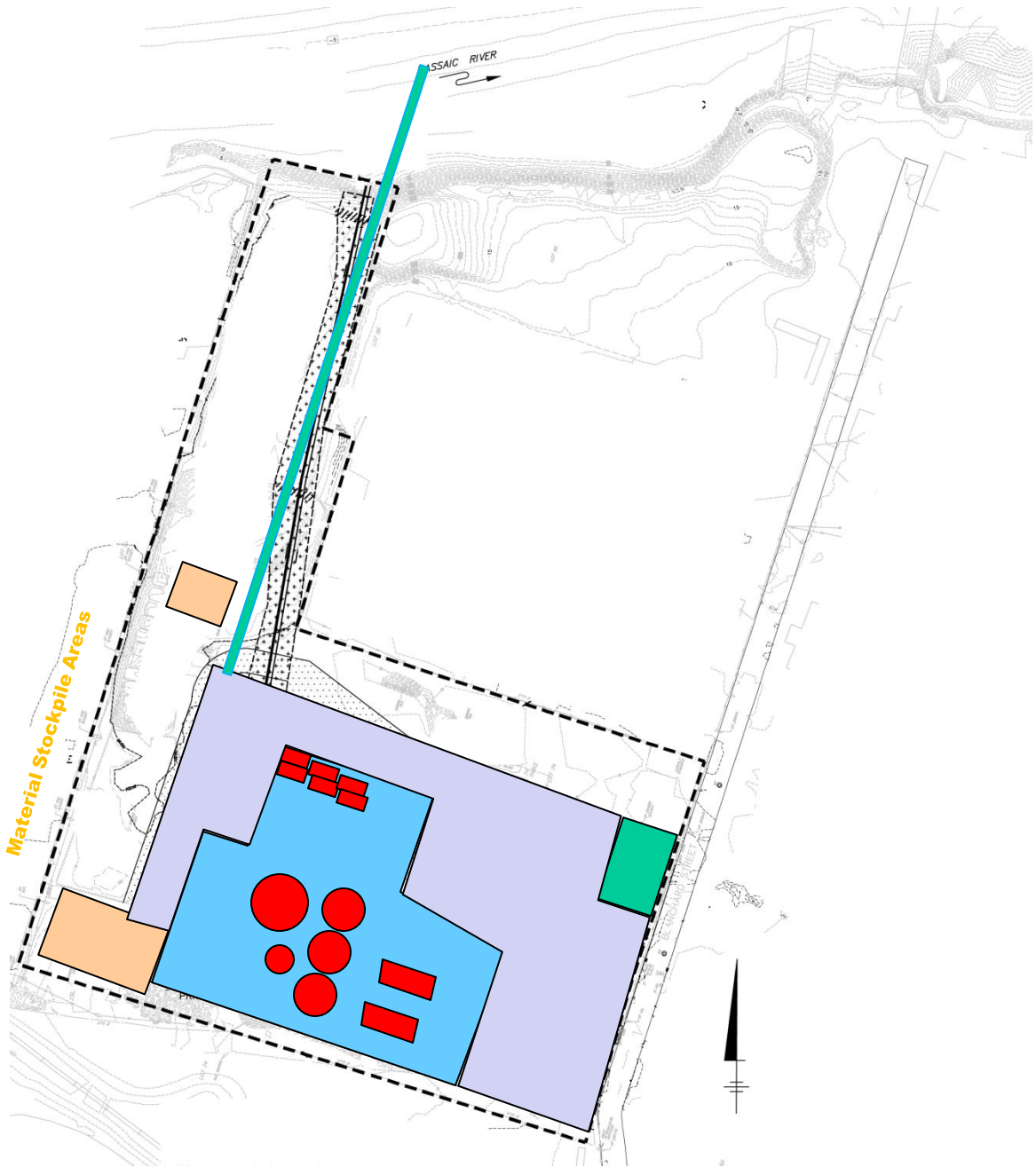
*Backfill material*



*Enclosure backfill operations*

**Weekly Construction Progress Report #53  
(Continued)**

**Period:** 07/30/12 – 08/05/12



**UPF Property**

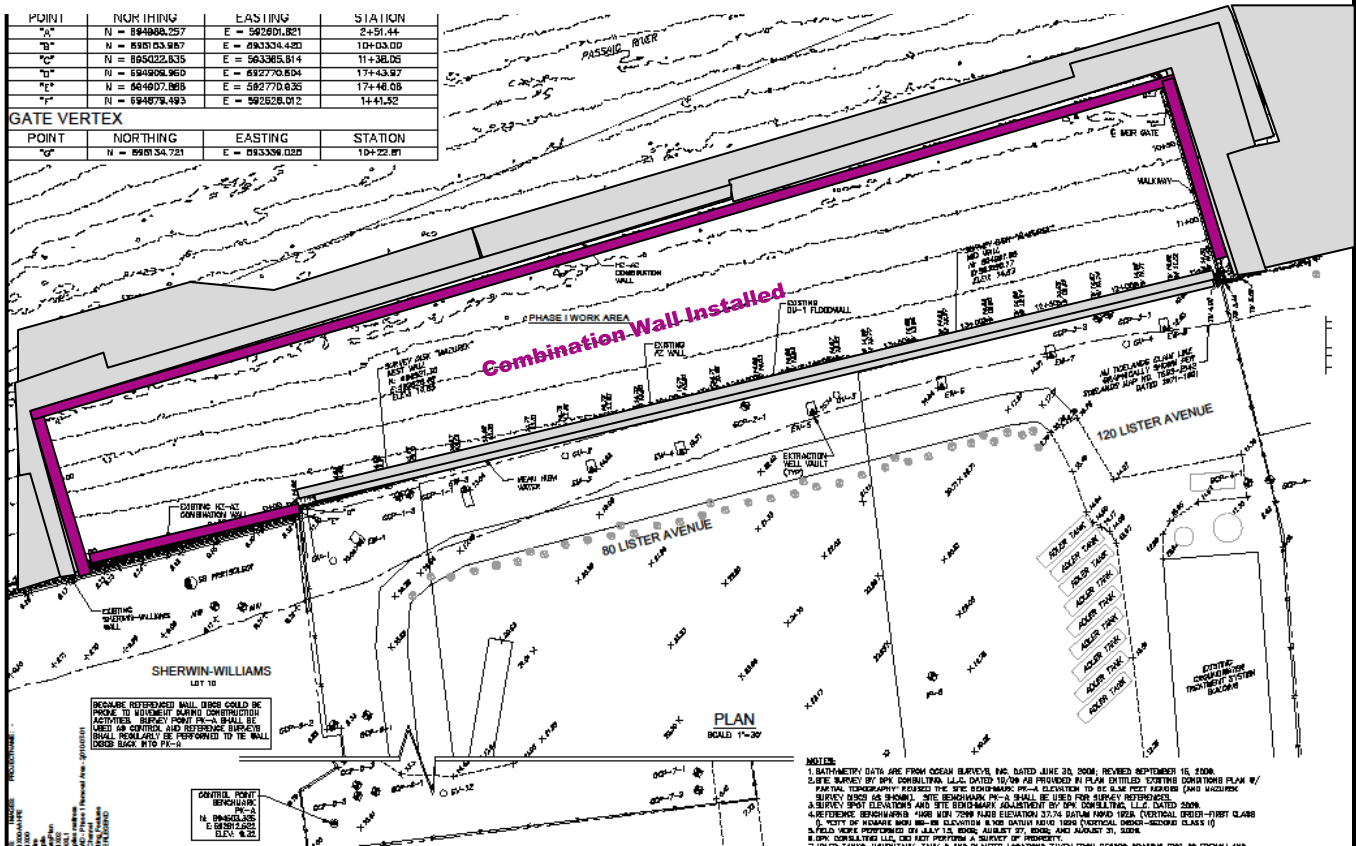
## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey

### Weekly Construction Progress Report #53 (Continued)

Period: 07/30/12 – 08/05/12

POINT	NORTHING	EASTING	STATION
"A"	N = 894868.257	E = 592501.821	2+51.44
"B"	N = 895153.887	E = 593334.420	10+33.00
"C"	N = 895022.635	E = 593365.814	11+38.05
"D"	N = 894908.960	E = 592770.604	17+43.97
"E"	N = 884907.868	E = 582770.636	17+46.08
"F"	N = 894878.493	E = 592628.012	14+1.52

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 895134.721	E = 593336.020	10+22.81



### OU-1 Property

## Weekly Construction Progress Report #54

**Period:** 08/06/12 – 08/12/12

### Project Work Performed:

- Continued the loading, tarping, and transportation of intermodal containers for processed sediment. Approximately 22,955 tons of processed sediment (978 containers), 2,610 tons of coarse solids (119 containers), and 580 tons of debris (40 containers) has been loaded into intermodal containers and transported to the transload facility for loading onto railcars to date for landfill disposal. Approximately 7,005 tons of processed sediment (300 containers) and 1,220 tons of coarse solids (60 containers) have been transported to the transload facility to date for incineration.
- Continued removal of the scour protection mattresses from outside the enclosure. Continued backfill placement within the enclosure (approximately 70% complete).
- Completed the packing, transportation, and disposal of two gas cylinders recovered from the sediment removal area.
- Completed the packing, transportation, and disposal of two drums of reactive materials consolidated from dredging operations.
- Completed equipment decontamination and demobilization for the water treatment system equipment. All water treatment operations has concluded.

### Planned Activities - Weeks of 08/13 & 08/20:

- Complete the loading, tarping, and transportation of intermodal containers for contaminated materials. Complete the removal of tarping operation scaffolding.
- Complete removal of scour protection mattresses.
- Complete backfill placement within the enclosure.

### Construction Quality Assurance/Safety:

- Behavioral-based safety tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 0 (96)
  - Job Loss Analysis (JLAs) – 0 (40)
  - Near Loss – 0 (26)
  - Incidents – 0 (4)
  - Stop Work Authority 1 – (52) – One weather-related (lightning)
- Estimated field man hours to date – 124,000 hours.
- Continued soundings for confirmation of backfill placement elevations.
- Continued collection of performance monitoring inclinometer readings, optical survey, and tide gauge data.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Enclosure backfill operations*



*Cylinder management and disposal*



*Decontamination of water treatment system*

**Weekly Construction Progress Report #54  
(Continued)**

**Period:** 08/06/12 – 08/12/12

Construction Quality Assurance/Safety (continued):

- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman, August 13, 2012

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**

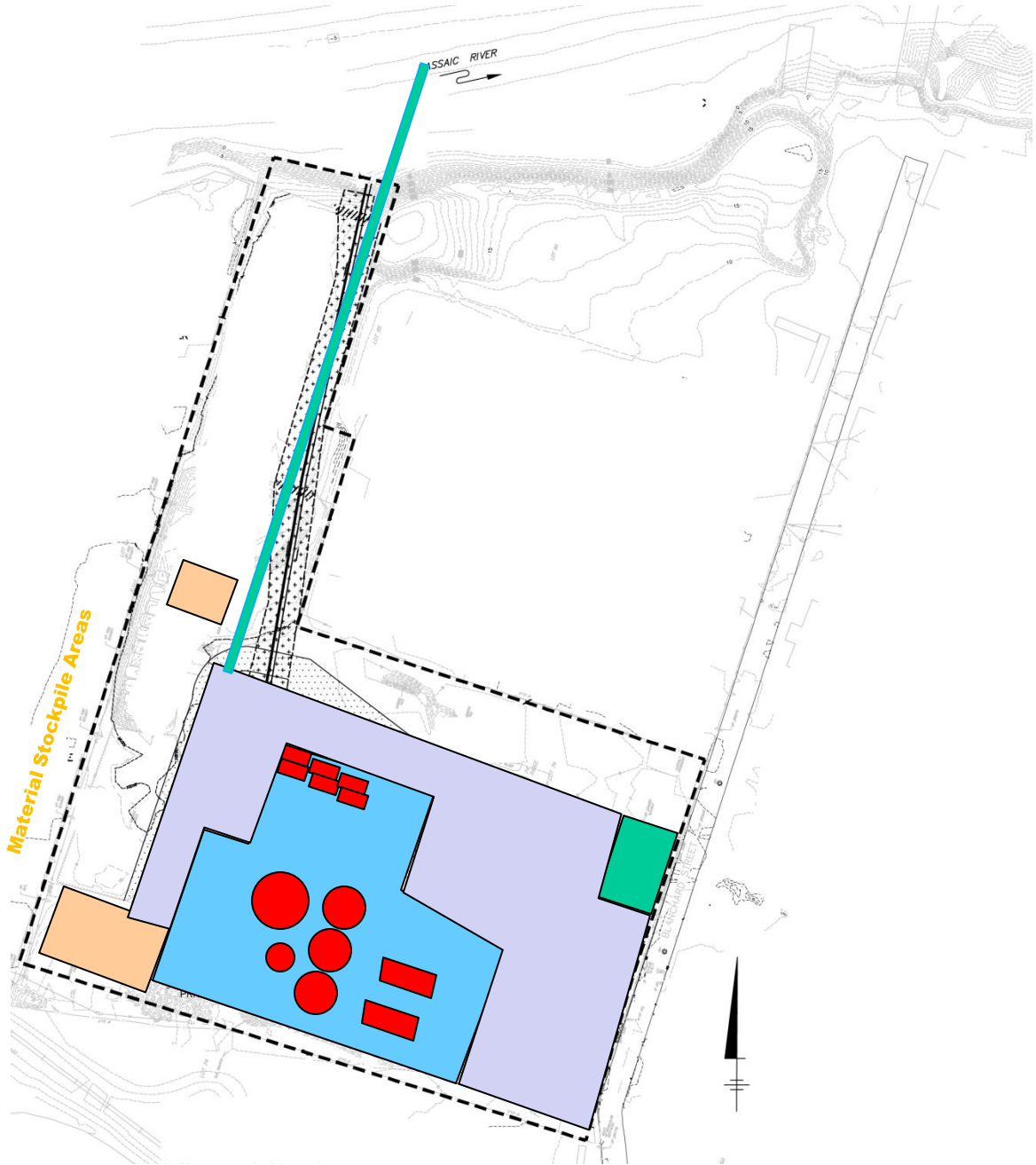
*Demobilization of temporary treatment system*



*One of the last remaining containers of waste material departing the Site*

**Weekly Construction Progress Report #54  
(Continued)**

Period: 08/06/12 – 08/12/12



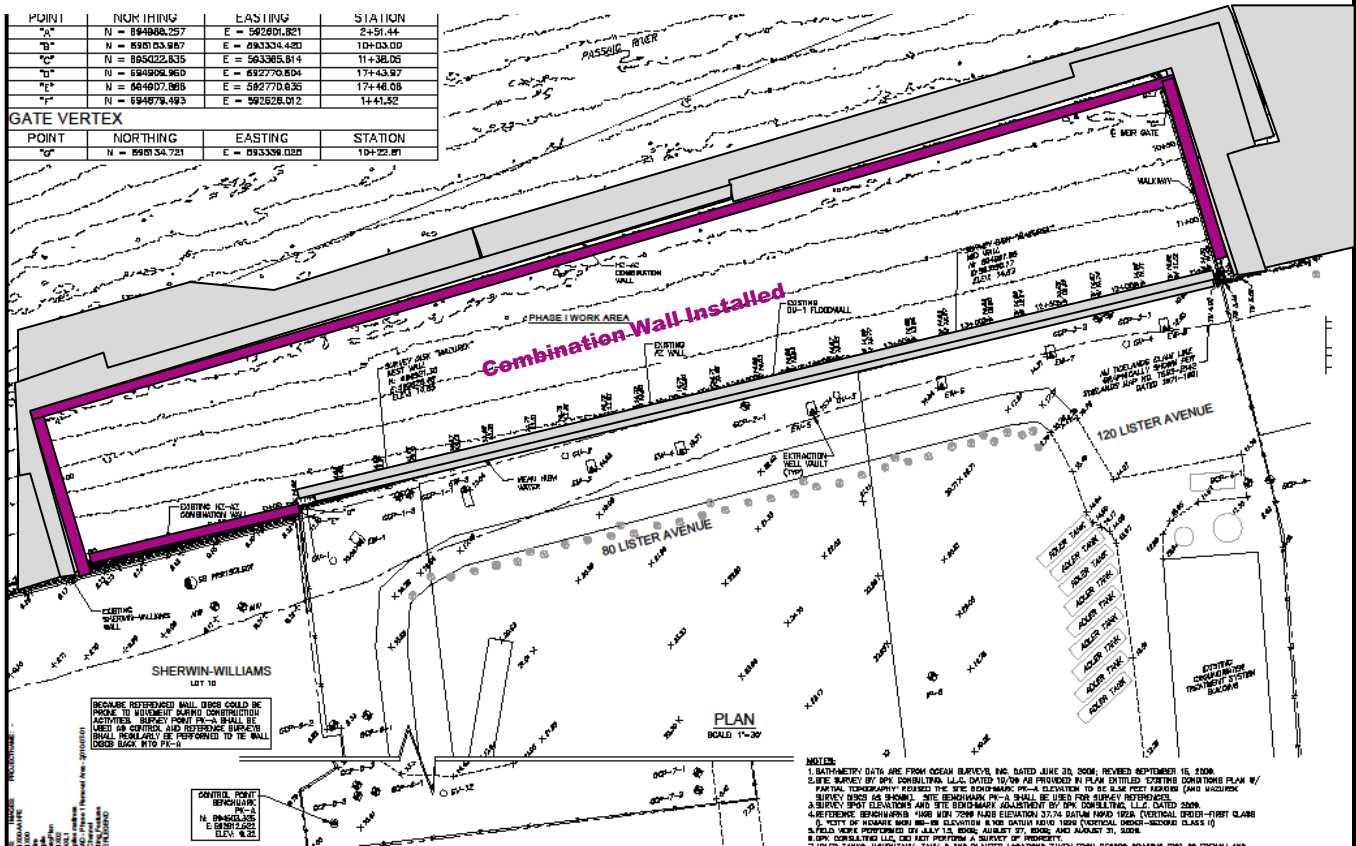
**UPF Property**

### Weekly Construction Progress Report #54 (Continued)

Period: 08/06/12 – 08/12/12

POINT	NORTHING	EASTING	STATION
"A"	N = 894868.257	E = 592501.821	2+51.44
"B"	N = 895153.887	E = 593334.420	10+33.00
"C"	N = 895022.635	E = 593365.814	11+38.05
"D"	N = 894908.960	E = 592770.604	17+43.97
"E"	N = 884907.868	E = 582770.636	17+46.08
"F"	N = 894878.493	E = 592628.012	14+1.52

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 895134.721	E = 593336.020	10+22.81



### OU-1 Property



## Weekly Construction Progress Report #55

**Period:** 08/13/12 – 08/19/12

### Project Work Performed:

- Continued the loading, tarping, and transportation of intermodal containers for processed sediment. Approximately 22,955 tons of processed sediment (978 containers), 2,610 tons of coarse solids (119 containers), and 580 tons of debris (40 containers) has been loaded into intermodal containers and transported to the transload facility for loading onto railcars to date for landfill disposal. Approximately 7,005 tons of processed sediment (300 containers) and 1,220 tons of coarse solids (60 containers) have been transported to the transload facility to date for incineration.
- Continued removal of the scour protection mattresses from outside the enclosure.
- Continued backfill placement within the enclosure (approximately 90% complete).
- Completed removal of scaffolding that was used for tarping intermodal containers.

### Planned Activities - Weeks of 08/20 & 08/27:

- Complete removal of scour protection mattresses.
- Complete backfill placement within the enclosure.
- Complete final grading and adjustments in the backfill surface.
- Begin preparation for the removal of the combination wall and ancillary components of the enclosure.

### Construction Quality Assurance/Safety:

- Behavioral-based safety tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 0 (96)
  - Job Loss Analysis (JLAs) – 0 (40)
  - Near Loss – 0 (26)
  - Incidents – 0 (4)
  - Stop Work Authority 0 – (52)
  - Estimated field man hours to date – 125,000 hours.
- Continued soundings for confirmation of backfill placement elevations.
- Continued collection of performance monitoring inclinometer readings, optical survey, and tide gauge data. The data collection for these activities will conclude at the end of the week of 8/20.
- Begin surrogate sample location and sampling under the asphalt surfaces under the water treatment area of the Upland Processing Facility (UPF).
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Enclosure backfill operations*



*Enclosure backfill operations*



*Scaffolding system disassembled and awaiting pickup*

## Weekly Construction Progress Report #55 (Continued)

**Period:** 08/13/12 – 08/19/12

Construction Quality Assurance/Safety (continued):

Prepared by Matthew Bowman, August 22, 2012

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



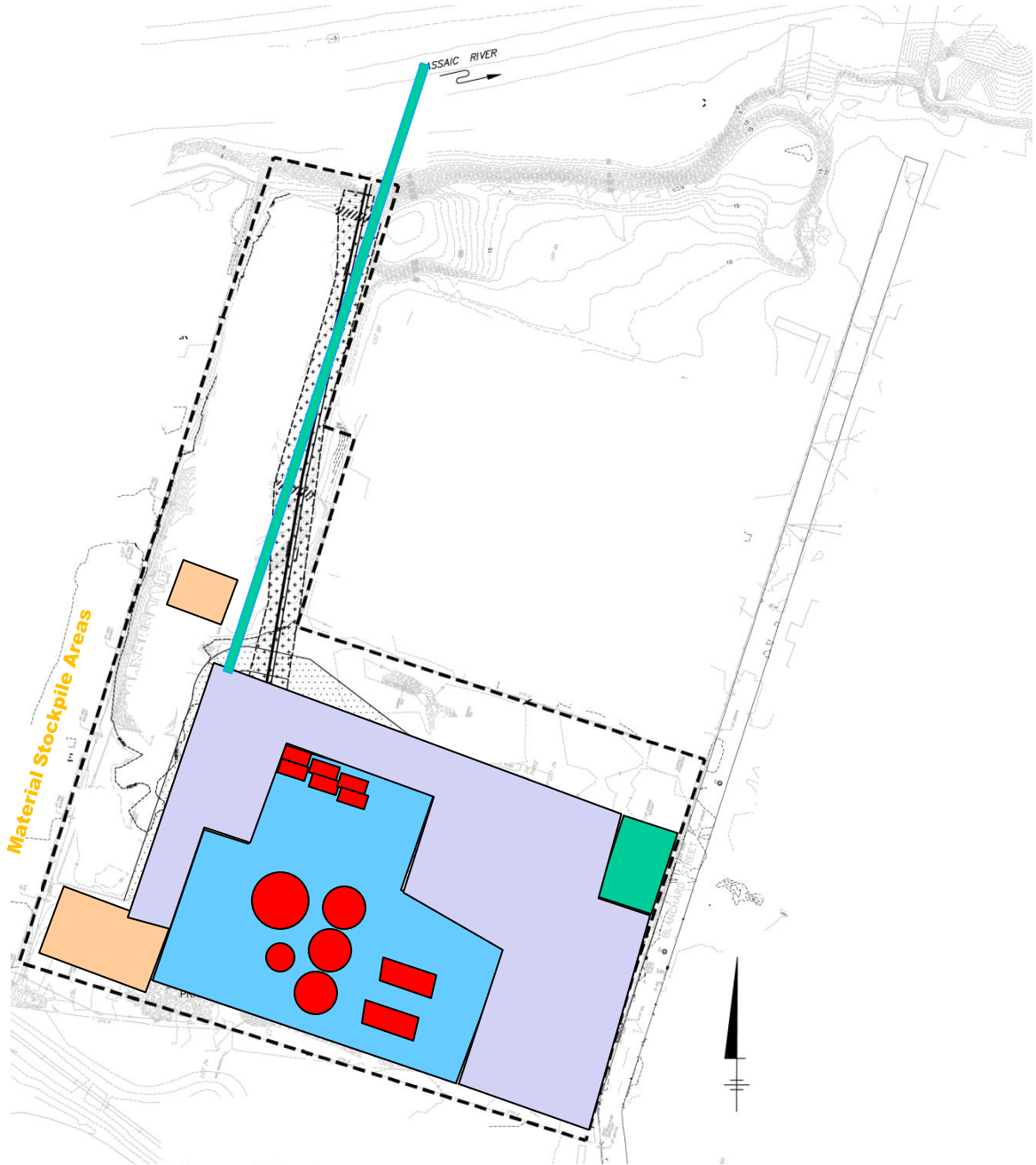
*Surrogate sampling preparation*



*Enclosure backfill operations*

**Weekly Construction Progress Report #55  
(Continued)**

**Period:** 08/13/12 – 08/19/12



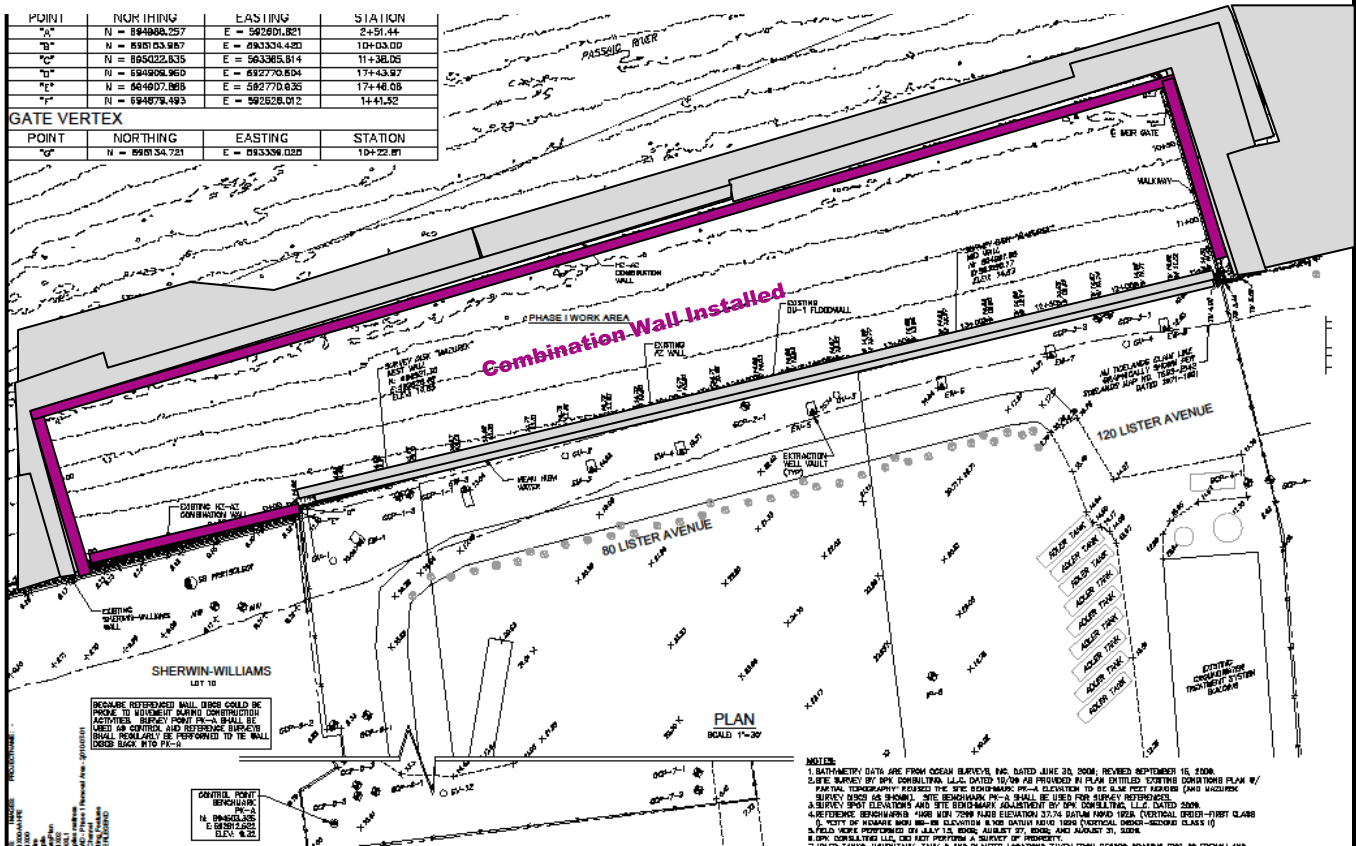
**UPF Property**

**Weekly Construction Progress Report #55  
(Continued)**

Period: 08/13/12 – 08/19/12

POINT	NORTHING	EASTING	STATION
"A"	N = 894868.257	E = 592501.821	2+51.44
"B"	N = 895153.887	E = 593334.420	10+33.00
"C"	N = 895022.635	E = 593365.814	11+38.05
"D"	N = 894908.960	E = 592770.604	17+43.97
"E"	N = 884907.888	E = 582770.636	17+46.08
"F"	N = 894878.493	E = 592628.012	14+1.52

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 895134.721	E = 593336.020	10+22.81



**OU-1 Property**

## Weekly Construction Progress Report #56

Period: 08/20/12 – 08/26/12

### Project Work Performed:

- Completed the loading, tarping, and transportation of intermodal containers for processed sediment. Approximately 22,955 tons of processed sediment (978 containers), 2,610 tons of coarse solids (119 containers), and 580 tons of debris (40 containers) has been loaded into intermodal containers and transported to the transload facility for loading onto railcars to date for landfill disposal. Approximately 7,005 tons of processed sediment (300 containers) and 1,220 tons of coarse solids (60 containers) have been transported to the transload facility to date for incineration.
- Continued removal of the scour protection mattresses from outside the enclosure.
- Continued backfill placement within the enclosure (approximately 95% complete).
- Began final grading and adjustments in the backfill surface.
- Continued ancillary demobilization activities including the removal of trailers and equipment from the UPF.

### Planned Activities - Weeks of 08/27 & 09/03:

- Complete removal of scour protection mattresses.
- Complete backfill placement within the enclosure.
- Complete final grading and adjustments in the backfill surface.
- Begin preparation for the removal of the combination wall and ancillary components of the enclosure. Begin removal of the hydraulic pipeline.
- Continue ancillary demobilization activities including the removal of the bird deterrence equipment.

### Construction Quality Assurance/Safety:

- Behavioral-based safety tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 1 (97)
  - Job Loss Analysis (JLAs) – 0 (40)
  - Near Loss – 0 (26)
  - Incidents – 0 (4)
  - Stop Work Authority 0 – (52)
  - Estimated field man hours to date –126,000 hours.
- Continued soundings for confirmation of backfill placement elevations.
- Completed collection of performance monitoring inclinometer readings, optical survey, and tide gauge data. The data collection for these activities concluded at the end of the week of 8/20.
- Began surrogate sample location and sampling under the asphalt surfaces under the water treatment area of the Upland Processing Facility (UPF) at one location.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Enclosure backfill operations*



*Enclosure backfill operations*



*Construction trailer being demobilized from the UPF*

**Weekly Construction Progress Report #56  
(Continued)**

**Period:** 08/20/12 – 08/26/12

Construction Quality Assurance/Safety (continued):

- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).
- The next Community Advisory Group (CAG) Meeting is scheduled for the evening of September 16, 2012. The project team will provide a briefing on the current status of the project.

Prepared by Matthew Bowman, August 27, 2012

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



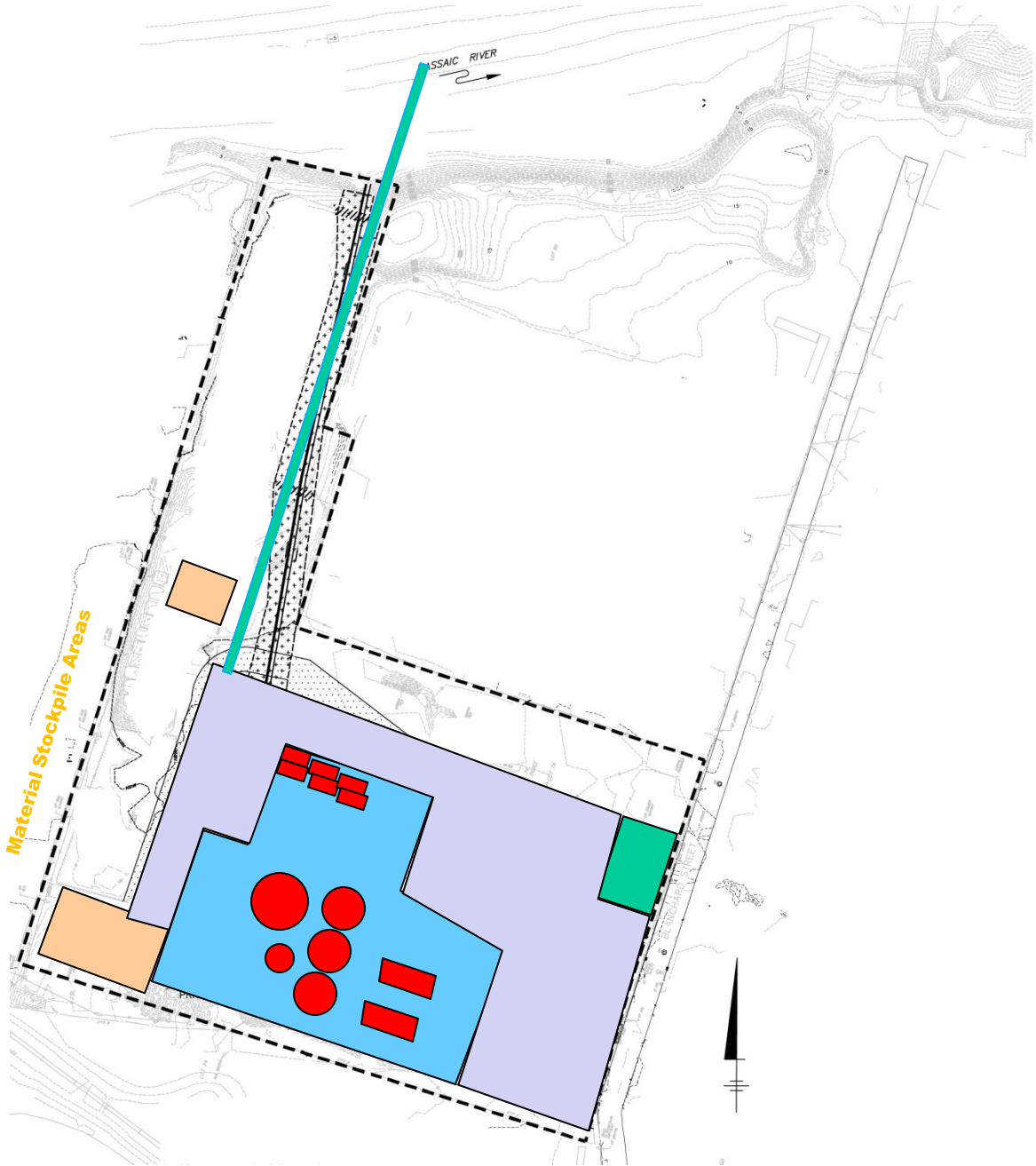
*Surrogate sampling activities*



*Surrogate sampling activities*

**Weekly Construction Progress Report #56  
(Continued)**

**Period:** 08/20/12 – 08/26/12



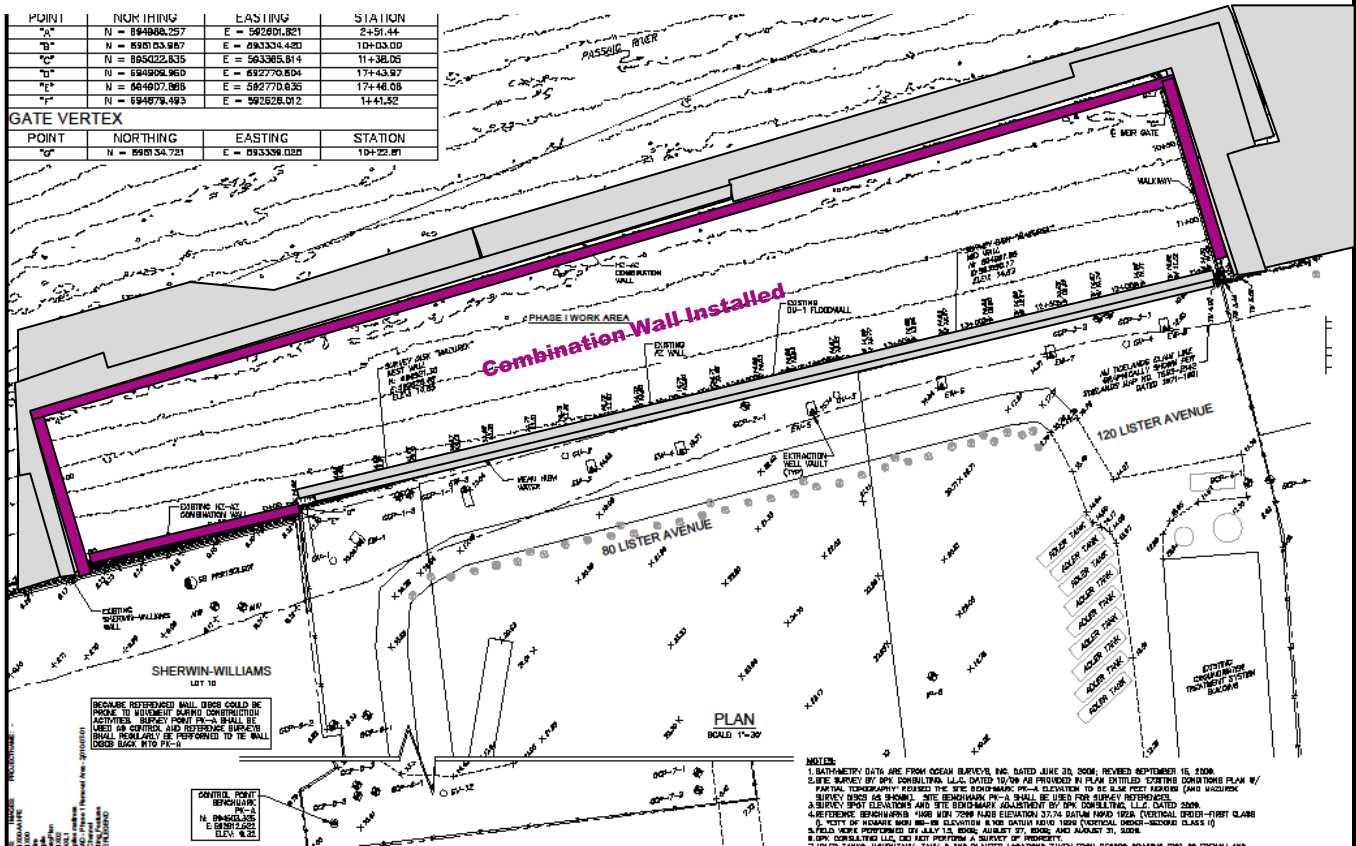
**UPF Property**

**Weekly Construction Progress Report #56  
(Continued)**

Period: 08/20/12 – 08/26/12

POINT	NORTHING	EASTING	STATION
"A"	N = 894868.257	E = 592501.821	2+51.44
"B"	N = 895153.887	E = 593334.420	10+33.00
"C"	N = 895022.635	E = 593365.814	11+38.05
"D"	N = 894908.960	E = 592770.604	17+43.97
"E"	N = 884907.868	E = 582770.636	17+46.08
"F"	N = 894878.493	E = 592628.012	14+1.52

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 895134.721	E = 593336.020	10+22.81



**OU-1 Property**



**Weekly Construction Progress Report #57****Period:** 08/27/12 – 09/02/12Project Work Performed:

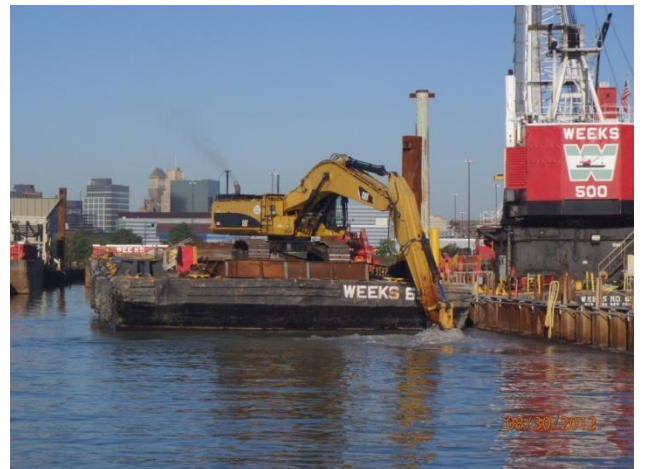
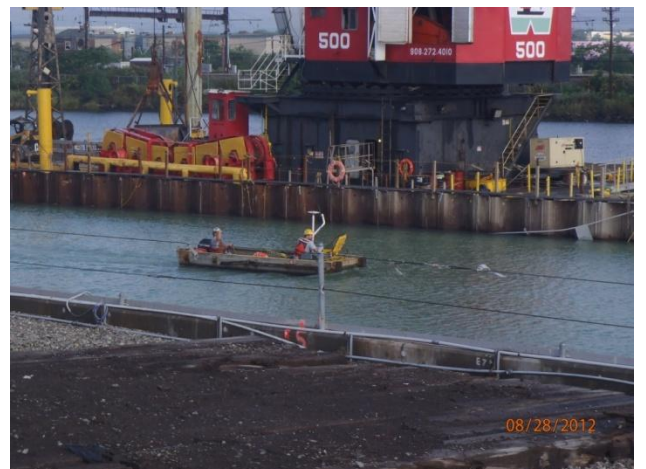
- Completed removal of the scour protection mattresses from outside the enclosure.
- Continued backfill placement and final grading/adjustments for the backfill within the enclosure.
- Continued ancillary demobilization activities including the removal of the bird deterrence equipment and tide boards.

Planned Activities - Weeks of 09/03 & 09/10:

- Complete backfill placement and final grading/adjustments for the backfill within the enclosure.
- Begin removal of the combination wall and ancillary components of the enclosure.
- Begin demobilization of the barges from the enclosure.
- Begin removal of the hydraulic pipeline and temporarily store the material at the UPF. Complete the removal of the floats for the hydraulic pipeline at the UPF.

Construction Quality Assurance/Safety:

- Behavioral-based safety tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 0 (97)
  - Job Loss Analysis (JLAs) – 0 (40)
  - Near Loss – 0 (26)
  - Incidents – 0 (4)
  - Stop Work Authority 1 – (53) – Inclement weather (lightning)
  - Estimated field man hours to date – 126,700 hours.
- Continued soundings for confirmation of backfill placement elevations.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).
- The next Community Advisory Group (CAG) Meeting is scheduled for the evening of September 13, 2012 (tentative date). The project team will provide a briefing on the current status of the project.

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey***Enclosure backfill operations**Enclosure backfill operations**Performance of backfill soundings*

**Weekly Construction Progress Report #57  
(Continued)**

**Period:** 08/27/12 – 09/02/12

Construction Quality Assurance/Safety (continued):

Prepared by Matthew Bowman, September 4, 2012

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



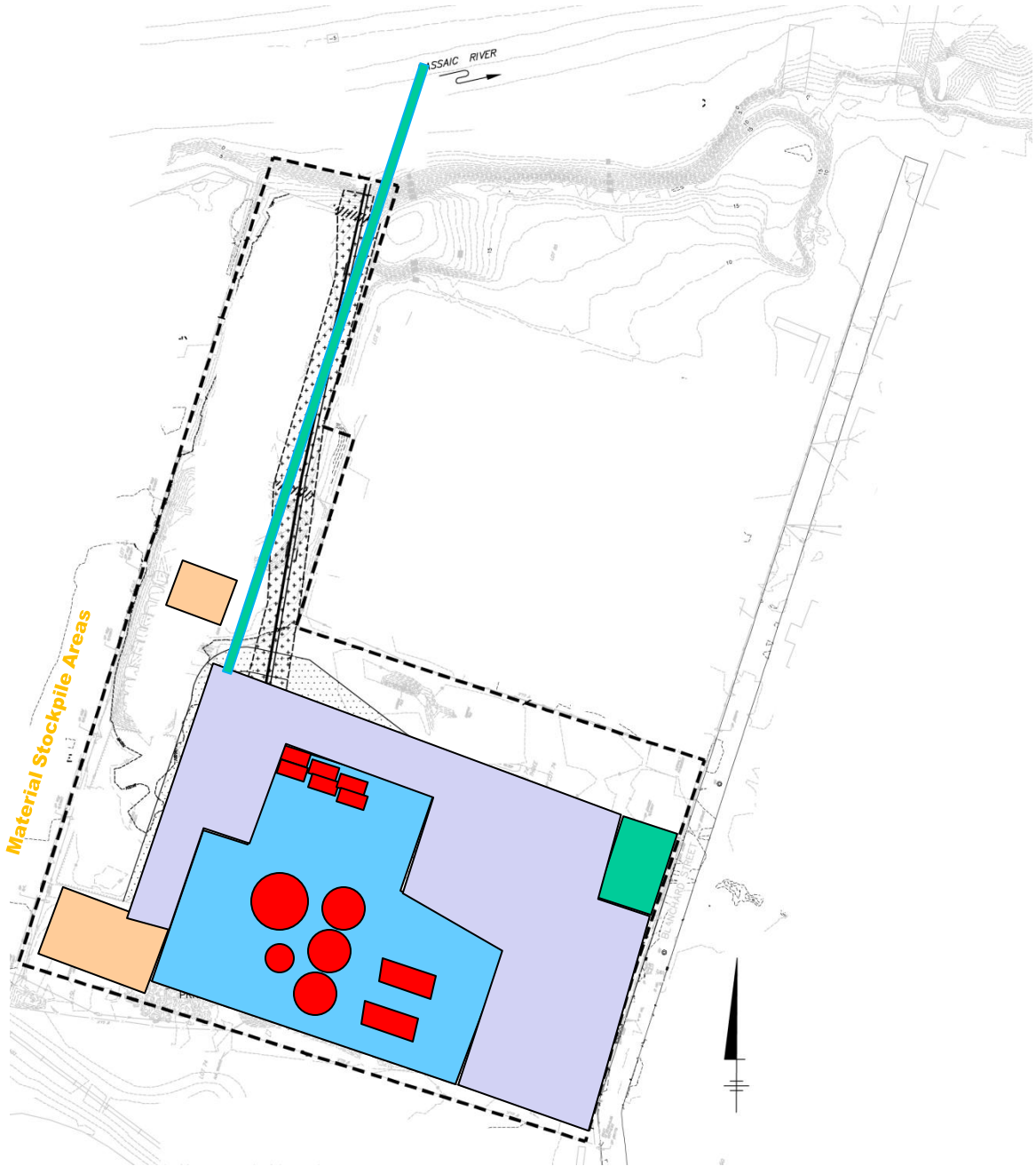
*Enclosure backfill operations*



*Team removing tide boards*

**Weekly Construction Progress Report #57  
(Continued)**

**Period:** 08/27/12 – 09/02/12



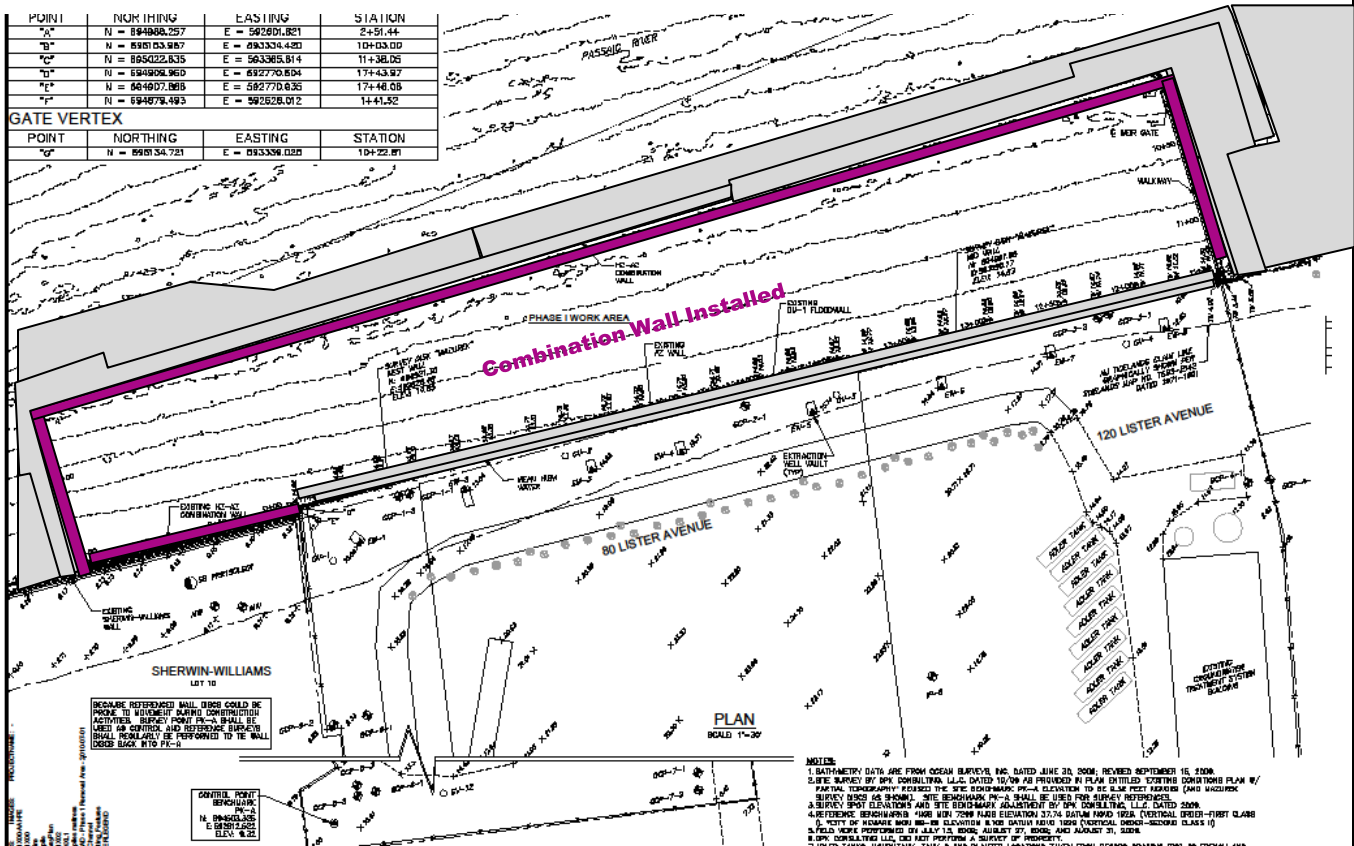
**UPF Property**

### Weekly Construction Progress Report #57 (Continued)

Period: 08/27/12 – 09/02/12

POINT	NORTHING	EASTING	STATION
"A"	N = 894866.257	E = 592501.821	2+51.44
"B"	N = 895153.887	E = 593334.420	10+33.00
"C"	N = 895022.635	E = 593365.814	11+38.05
"D"	N = 894908.960	E = 592770.604	17+43.97
"E"	N = 884907.888	E = 582770.636	17+46.08
"F"	N = 894878.493	E = 592628.012	14+1.52

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 895134.721	E = 593336.020	10+22.81



### OU-1 Property

## Weekly Construction Progress Report #58

**Period:** 09/03/12 – 09/09/12

### Project Work Performed:

- Completed backfill placement and final grading/adjustments for the backfill within the enclosure.
- Continued removal of ancillary components of the enclosure in preparation for the removal of king piles and sheet piles.
- Continued site maintenance activities, including light pole adjustment and retensioning at the UPF.
- Completed inspection and preparation visit by Nicholson for the load cell removal and final tieback tensioning at the OU-1 floodwall.

### Planned Activities - Weeks of 09/10 & 09/17:

- Continue removal of the ancillary components (e.g., wales, walkways, etc.) of the enclosure. Begin removal of the combination wall king piles and sheet piles.
- Begin demobilization of the barges from the enclosure.
- Begin removal of the hydraulic pipeline and temporarily store the material at the UPF. Complete the removal of the float station for the hydraulic pipeline at the UPF.
- Begin post-construction tieback completion including load cell removal, retensioning, and cap/gasket replacement.

### Construction Quality Assurance/Safety:

- Behavioral-based safety tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 1 (98) light pole adjustment and retensioning
  - Job Loss Analysis (JLAs) – 0 (40)
  - Near Loss – 0 (26)
  - Incidents – 0 (4)
  - Stop Work Authority 0 – (53)
  - Estimated field man hours to date – 127,400 hours.
- Completed soundings for confirmation of backfill placement elevations.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).
- The next Community Advisory Group (CAG) Meeting is scheduled for the evening of September 18, 2012. The project team will provide a briefing on the current status of the project.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Enclosure backfill operations*



*Tug boat delivering backfill material*



*Team retensioning and adjusting light poles at the UPF*

## Weekly Construction Progress Report #58 (Continued)

**Period:** 09/03/12 – 09/09/12

Construction Quality Assurance/Safety (continued):

Prepared by Matthew Bowman, September 12, 2012

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



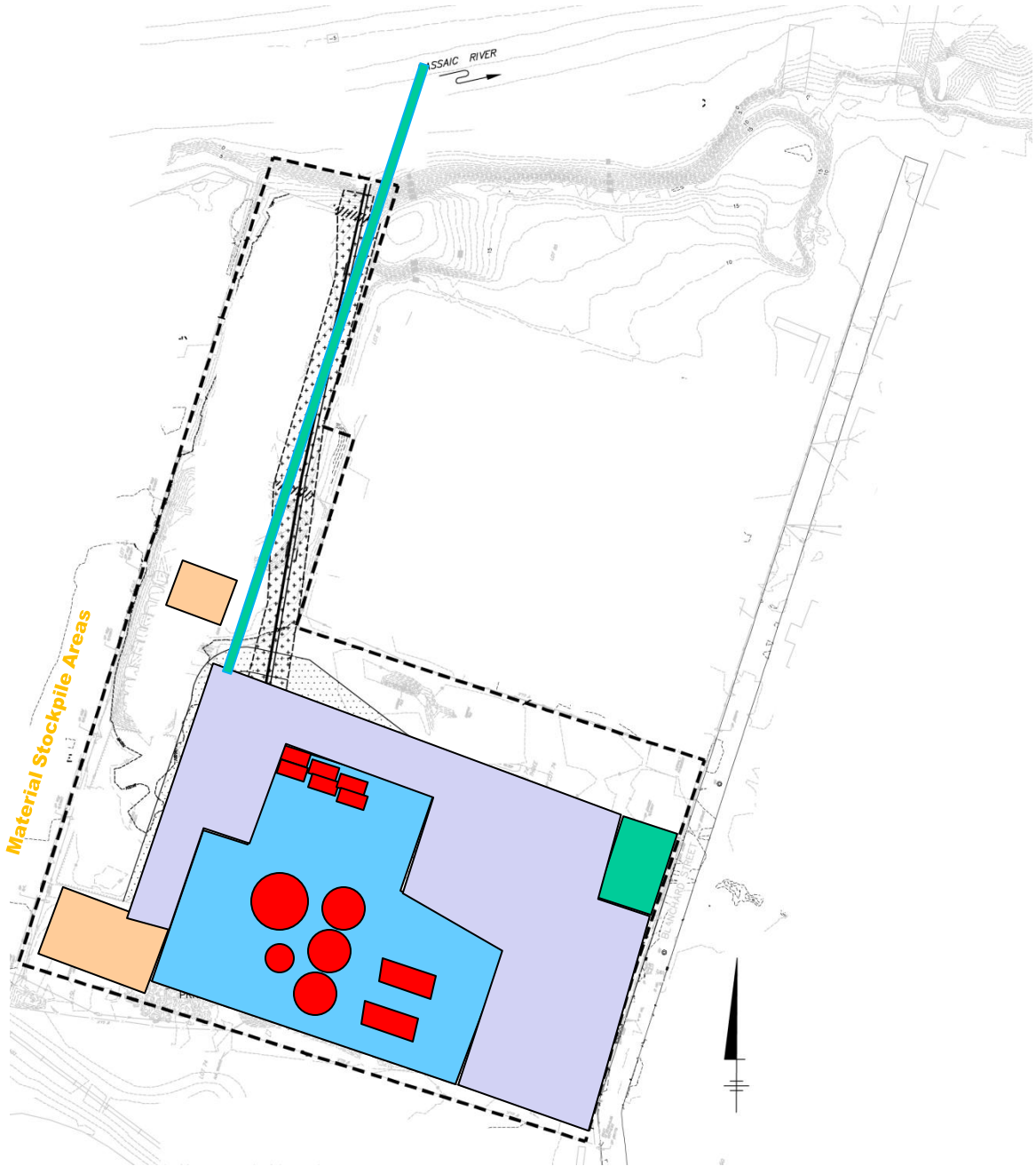
*Enclosure backfill operations*



*Team performing sounding for backfill placement*

**Weekly Construction Progress Report #58  
(Continued)**

**Period:** 09/03/12 – 09/09/12



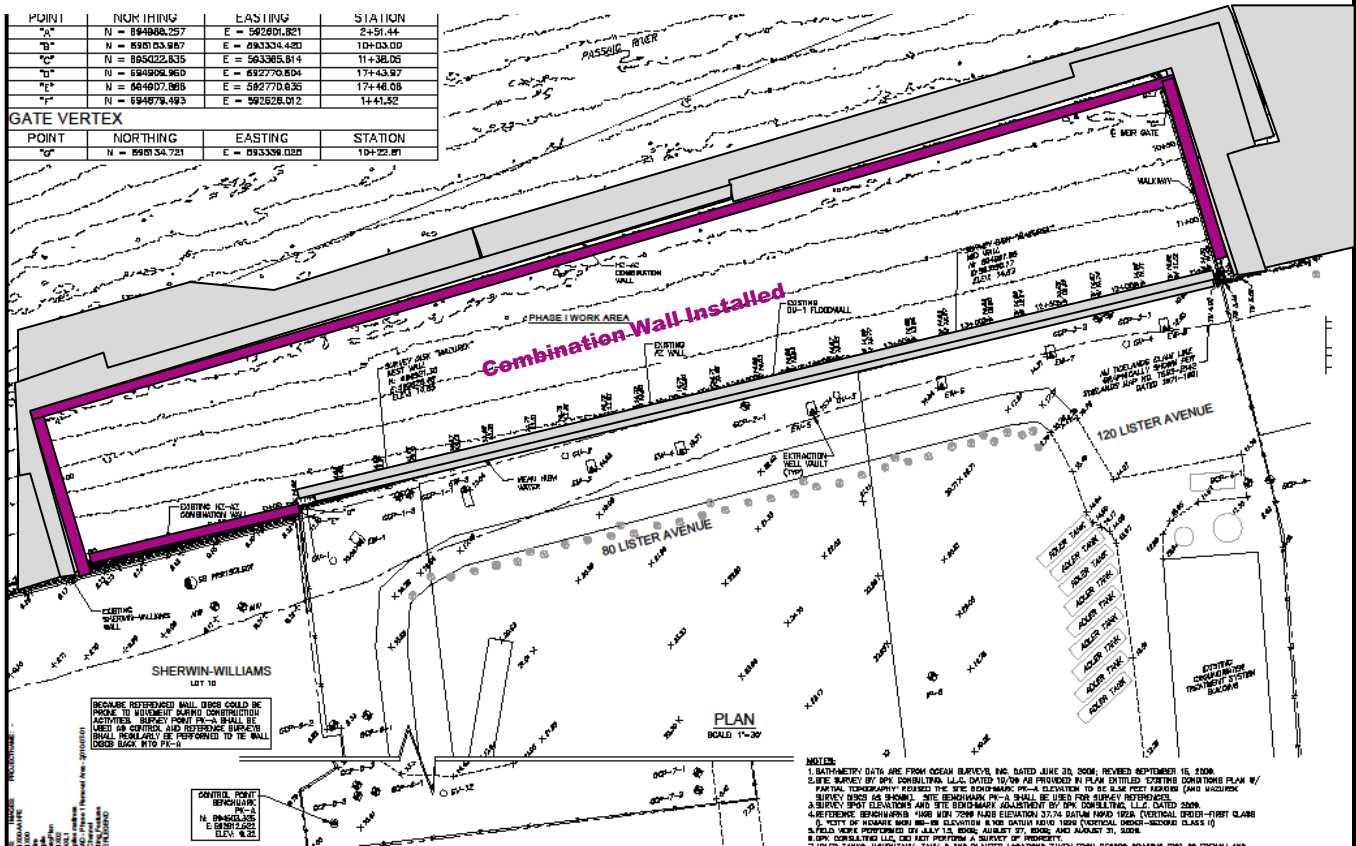
**UPF Property**

### Weekly Construction Progress Report #58 (Continued)

Period: 09/03/12 – 09/09/12

POINT	NORTHING	EASTING	STATION
"A"	N = 894868.257	E = 592501.821	2+51.44
"B"	N = 895153.887	E = 593334.420	10+33.00
"C"	N = 895022.635	E = 593365.814	11+38.05
"D"	N = 894908.960	E = 592770.604	17+43.97
"E"	N = 884907.868	E = 582770.636	17+46.08
"F"	N = 894878.493	E = 592628.012	14+1.52

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 895134.721	E = 593336.020	10+22.81



### OU-1 Property



**Weekly Construction Progress Report #59****Period:** 09/10/12 – 09/16/12**Project Work Performed:**

- Continued removal of ancillary components of the enclosure for the removal of king piles and sheet piles. Completed the removal of the wales from the enclosure.
- Began removal of king piles and sheet piles along the west and north sides of the enclosure.
- Completed removal of the hydraulic pipeline from the Passaic River. The pipeline material is temporarily staged at the UPF for cutting into sections and transportation for storage.
- Completed the rethreading of the tieback heads with load cells.

**Planned Activities - Weeks of 09/17 & 09/24:**

- Continue removal of the ancillary components (e.g., walkways, weir gate, etc.) of the enclosure. Continue removal of the combination wall king piles and sheet piles.
- Complete demobilization of the barges from the enclosure.
- Begin post-construction tieback completion including load cell removal, retensioning, and cap/gasket replacement.

**Construction Quality Assurance/Safety:**

- Behavioral-based safety tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 0 (98)
  - Job Loss Analysis (JLAs) – 0 (40)
  - Near Loss – 0 (26)
  - Incidents – 0 (4)
  - Stop Work Authority 0 – (53)
  - Estimated field man hours to date – 128,300 hours.
- Finalized soundings for confirmation of backfill placement elevations.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).
- The next Community Advisory Group (CAG) Meeting is scheduled for the evening of September 18, 2012. The project team will provide a briefing on the current status of the project.

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey***Removal of piles on the west wall of the enclosure**Removal of piles on the north wall of the enclosure**Hydraulic pipeline removed and staged at the UPF*

**Weekly Construction Progress Report #59  
(Continued)**

**Period:** 09/10/12 – 09/16/12

Construction Quality Assurance/Safety (continued):

Prepared by Matthew Bowman, September 18, 2012

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



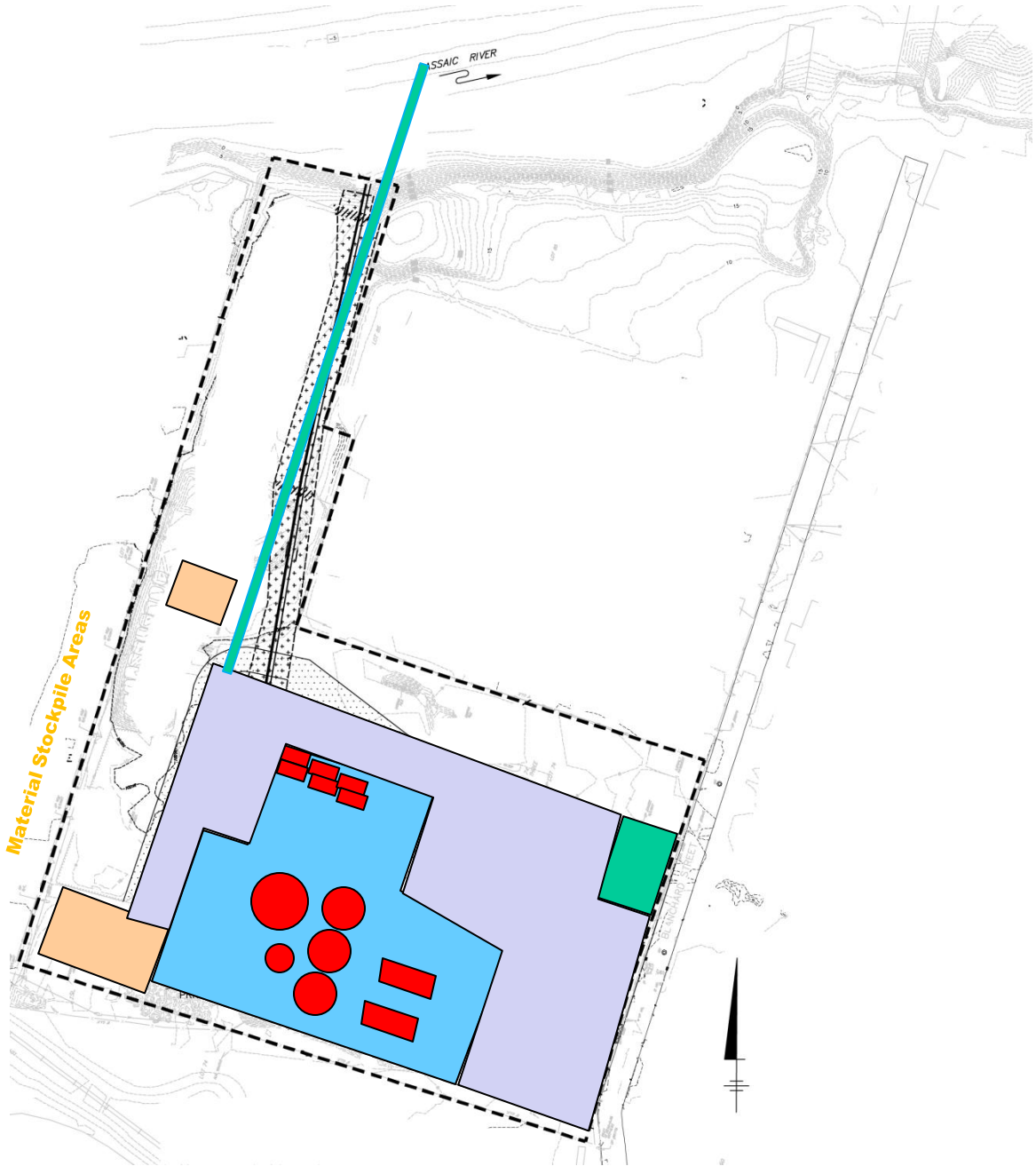
*View of the backfilled enclosure*



*Removal of the first pile from the enclosure*

**Weekly Construction Progress Report #59  
(Continued)**

**Period:** 09/10/12 – 09/16/12



**UPF Property**

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey

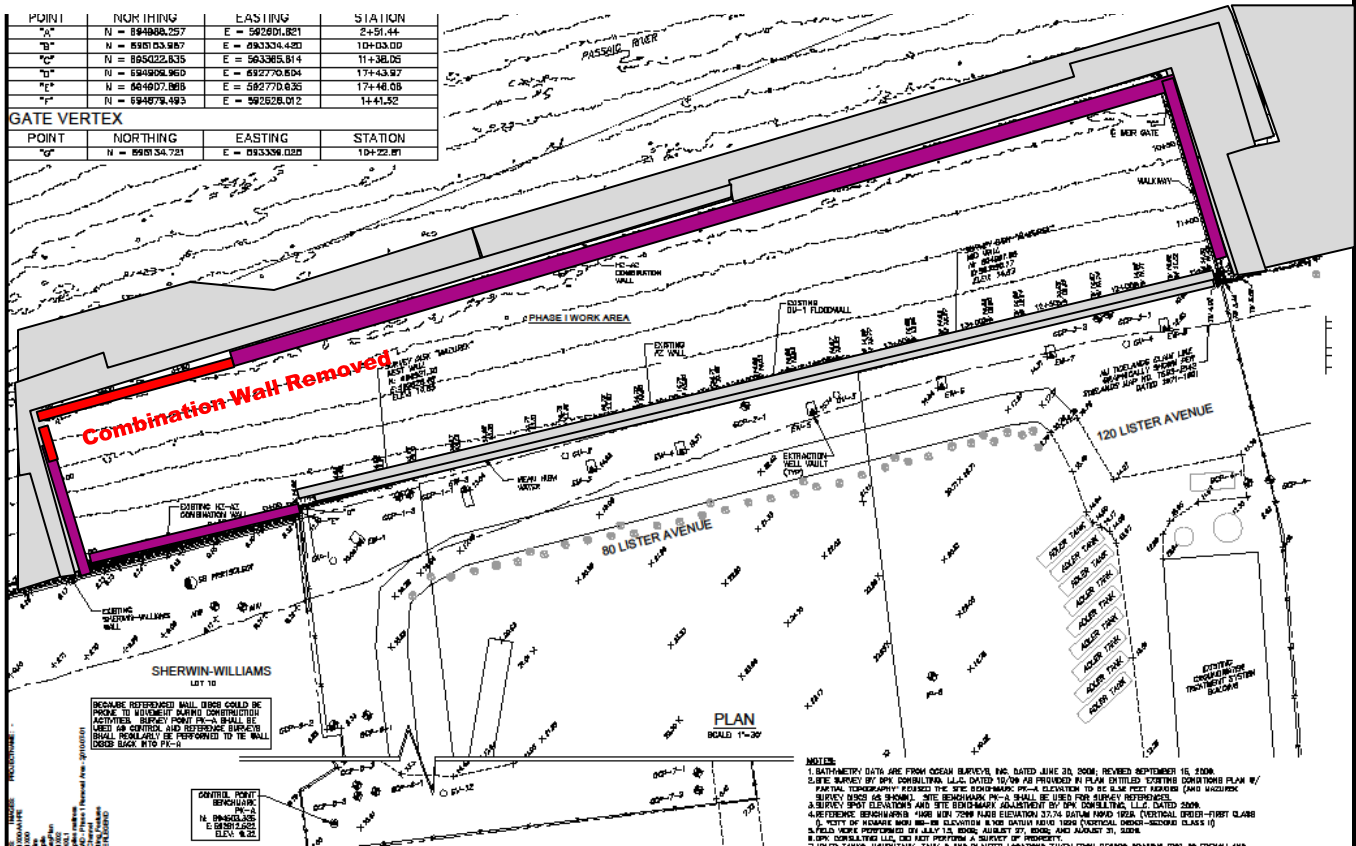
### Weekly Construction Progress Report #59 (Continued)

Period: 09/10/12 – 09/16/12

POINT	NORTHING	EASTING	STATION
"A"	N = 894868.257	E = 592501.821	2+51.44
"B"	N = 895153.887	E = 593334.420	10+33.00
"C"	N = 895022.635	E = 593365.814	11+38.05
"D"	N = 894908.960	E = 592770.604	17+43.97
"E"	N = 884907.888	E = 582770.636	17+46.08
"F"	N = 894878.493	E = 592628.012	14+1.52

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 895134.721	E = 593336.020	10+22.81



### OU-1 Property

**Weekly Construction Progress Report #60****Period:** 09/17/12 – 09/23/12**Project Work Performed:**

- Continued removal of ancillary components of the enclosure for the removal of king piles and sheet piles.
- Continued removal of king piles and sheet piles along the west and north sides of the enclosure as well as in front of the Sherwin-Williams wall.
- Continued the demobilization of the barges from the enclosure.
- Began post-construction tieback completion including load cell removal, retensioning, and cap/gasket replacement.

**Planned Activities - Weeks of 09/24 & 10/01:**

- Continue removal of the ancillary components (e.g., walkways, weir gate, etc.) of the enclosure. Continue removal of the combination wall king piles and sheet piles.
- Complete demobilization of the barges from the enclosure.
- Complete post-construction tieback completion including load cell removal, retensioning, and cap/gasket replacement.
- Resume the demobilization of the sediment processing system at the Upland Processing System (UPF).

**Construction Quality Assurance/Safety:**

- Behavioral-based safety tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 0 (98)
  - Job Loss Analysis (JLAs) – 0 (40)
  - Near Loss – 0 (26)
  - Incidents – 0 (4)
  - Stop Work Authority 0 – (53)
  - Estimated field man hours to date – 128,900 hours.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).
- The project team provided a briefing on the current status of the project to the Community Advisory Group (CAG) on September 18, 2012.

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey***West wall sheets ready for removal**Demobilization of the Weeks 65 Barge**Restressing of an OU-1 tieback*

**Weekly Construction Progress Report #60  
(Continued)**

**Period:** 09/17/12 – 09/23/12

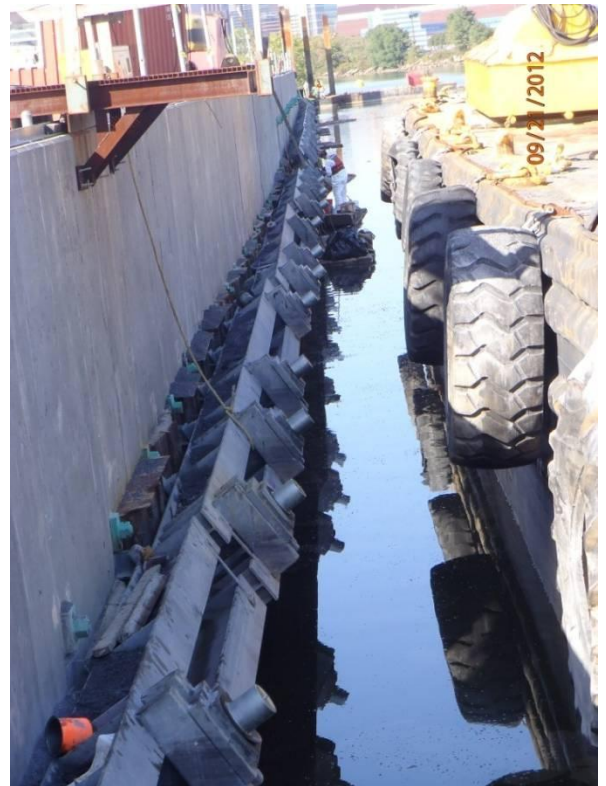
Construction Quality Assurance/Safety (continued):

Prepared by Matthew Bowman, September 25, 2012

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



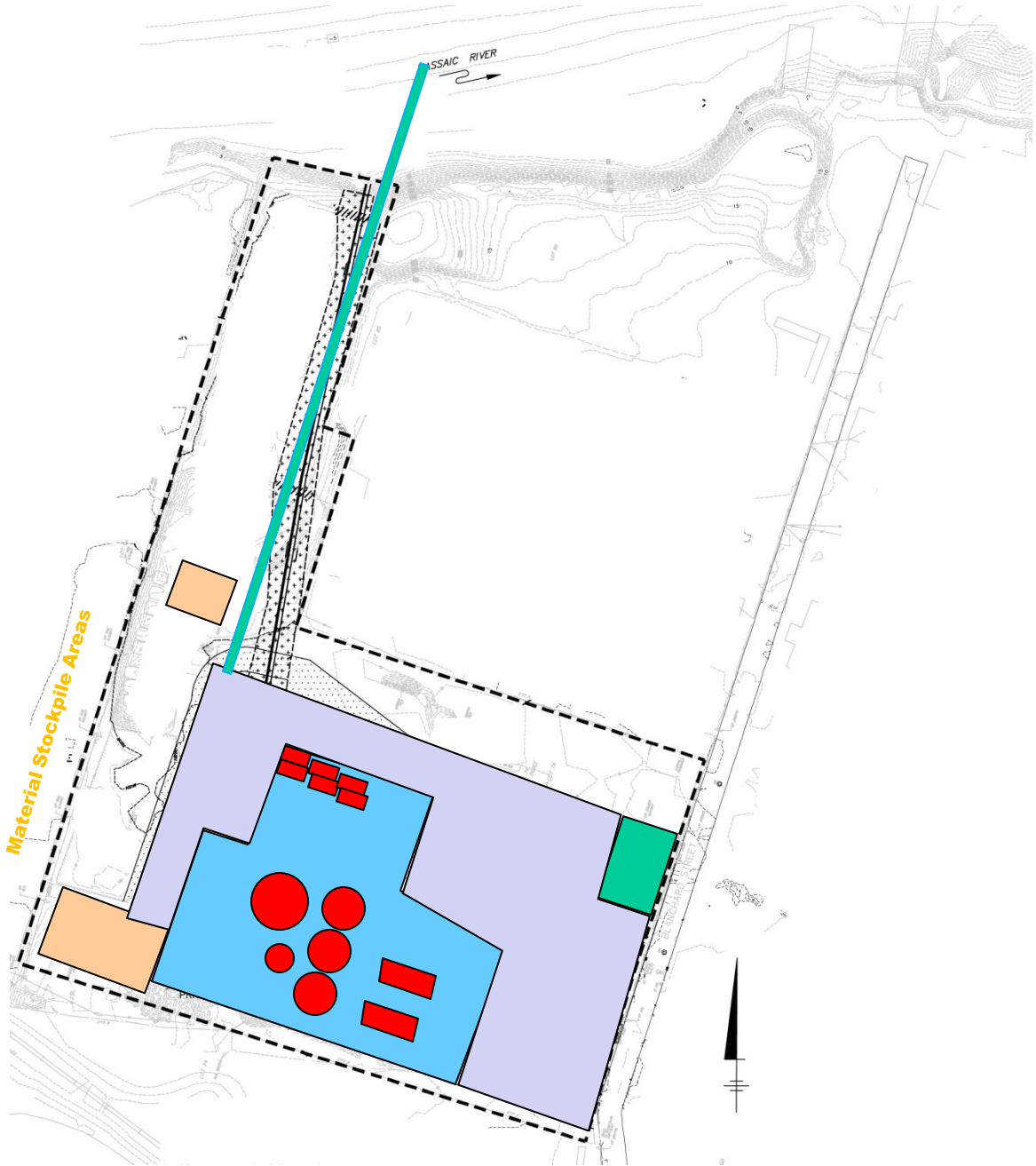
*Removal of king piles in front of the Sherwin Williams property*



*Tiebacks with caps and gaskets replaced*

**Weekly Construction Progress Report #60  
(Continued)**

**Period:** 09/17/12 – 09/23/12



**UPF Property**

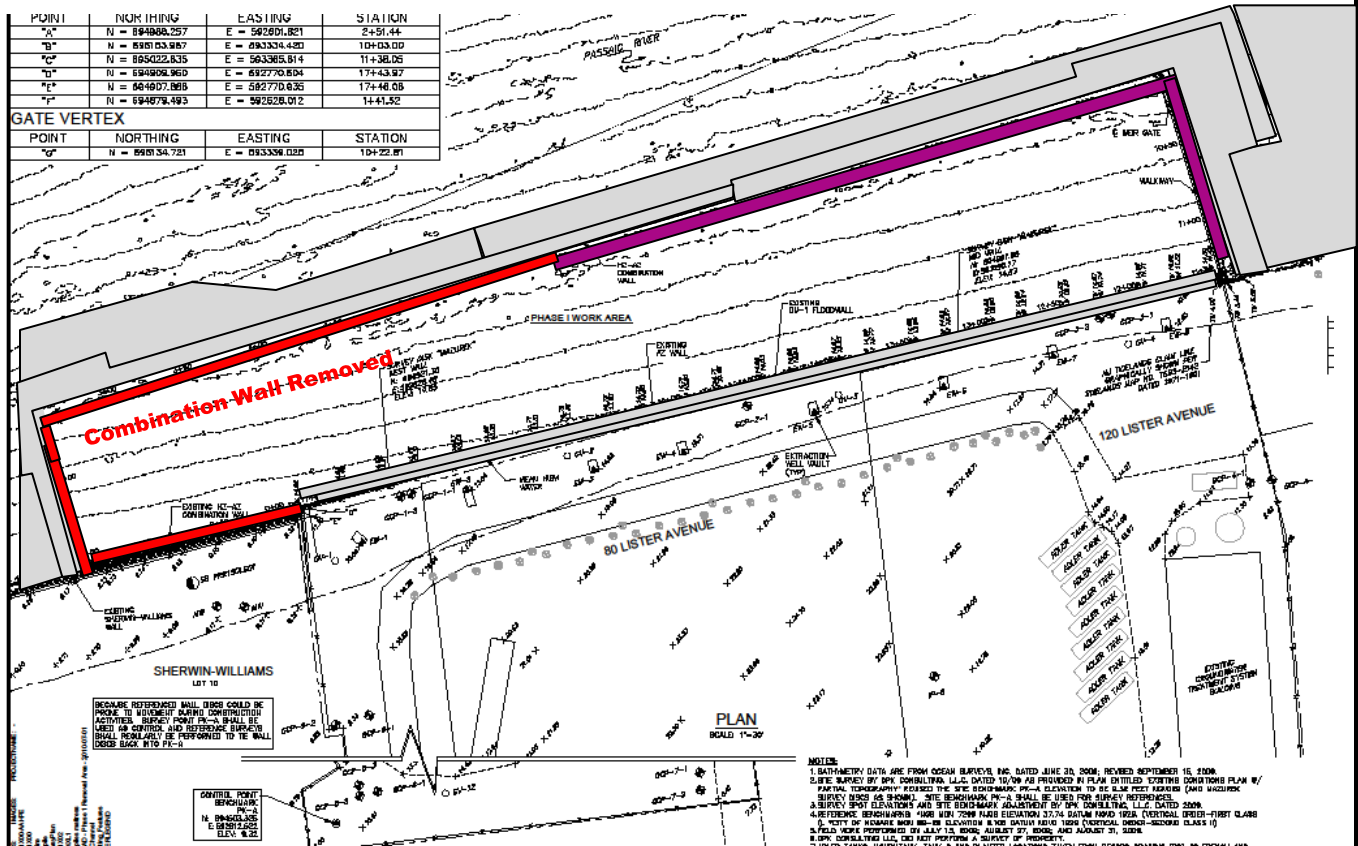
## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey

### Weekly Construction Progress Report #60 (Continued)

Period: 09/17/12 – 09/23/12

POINT	NORTHING	EASTING	STATION
"A"	N = 894866.257	E = 592501.821	2+51.44
"B"	N = 895153.887	E = 593334.420	10+33.00
"C"	N = 895022.635	E = 593365.814	11+38.05
"D"	N = 894908.960	E = 592770.604	17+43.97
"E"	N = 884907.888	E = 582770.636	17+46.08
"F"	N = 894878.493	E = 592628.012	14+1.52

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 895134.721	E = 593336.020	10+22.81



### OU-1 Property



## Weekly Construction Progress Report #61

Period: 09/24/12 – 09/30/12

### Project Work Performed:

- Continued removal of ancillary components of the enclosure for the removal of king piles and sheet piles.
- Continued removal of king piles and sheet piles along the north side of the enclosure.
- Completed the demobilization of the barges from the enclosure.
- Completed post-construction tieback activities including load cell removal, retensioning, and cap/gasket replacement. Completed inspection of the post-construction tieback completion activities.
- Continued demobilization of ancillary materials and equipment from the OU-1 Site, such as crane mats.
- Completed the removal of anhydrous ammonia liquid drums for off-site transportation and disposal. These drums were used for the recovery of contents of a gas cylinder recovered from the sediment removal area.

### Planned Activities - Weeks of 10/01 & 10/08:

- Complete removal of the ancillary components (e.g., walkways, weir gate, etc.) of the enclosure. Continue removal of the combination wall king piles and sheet piles.
- Begin demobilization of marine construction equipment from the sediment removal area.
- Complete the disassembly of equipment on the Weeks 62 Barge at Weeks Greenville Yard.
- Resume the demobilization of the sediment processing system at the Upland Processing System (UPF).

### Construction Quality Assurance/Safety:

- Behavioral-based safety tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 0 (98)
  - Job Loss Analysis (JLAs) – 0 (40)
  - Near Loss – 0 (26)
  - Incidents – 0 (4)
  - Stop Work Authority 0 – (53)
  - Estimated field man hours to date – 129,700 hours.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).
- ARCADIS is planning the structural engineer's post construction inspection of the OU-1 Floodwall to be conducted at the end of October.

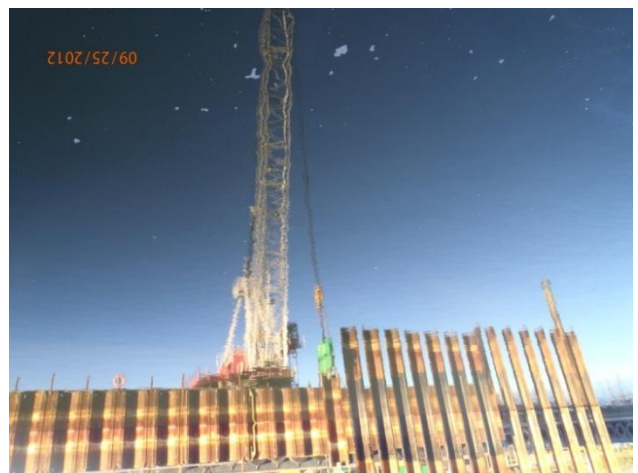
## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



Portion of north wall with sheet piles removed



Demobilization of the Weeks 216 Barge



Sheet piles and king piles being removed along the north wall as reflected in the water

**Weekly Construction Progress Report #61  
(Continued)**

**Period:** 09/24/12 – 09/30/12

Construction Quality Assurance/Safety (continued):

Prepared by Matthew Bowman, October 2, 2012

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



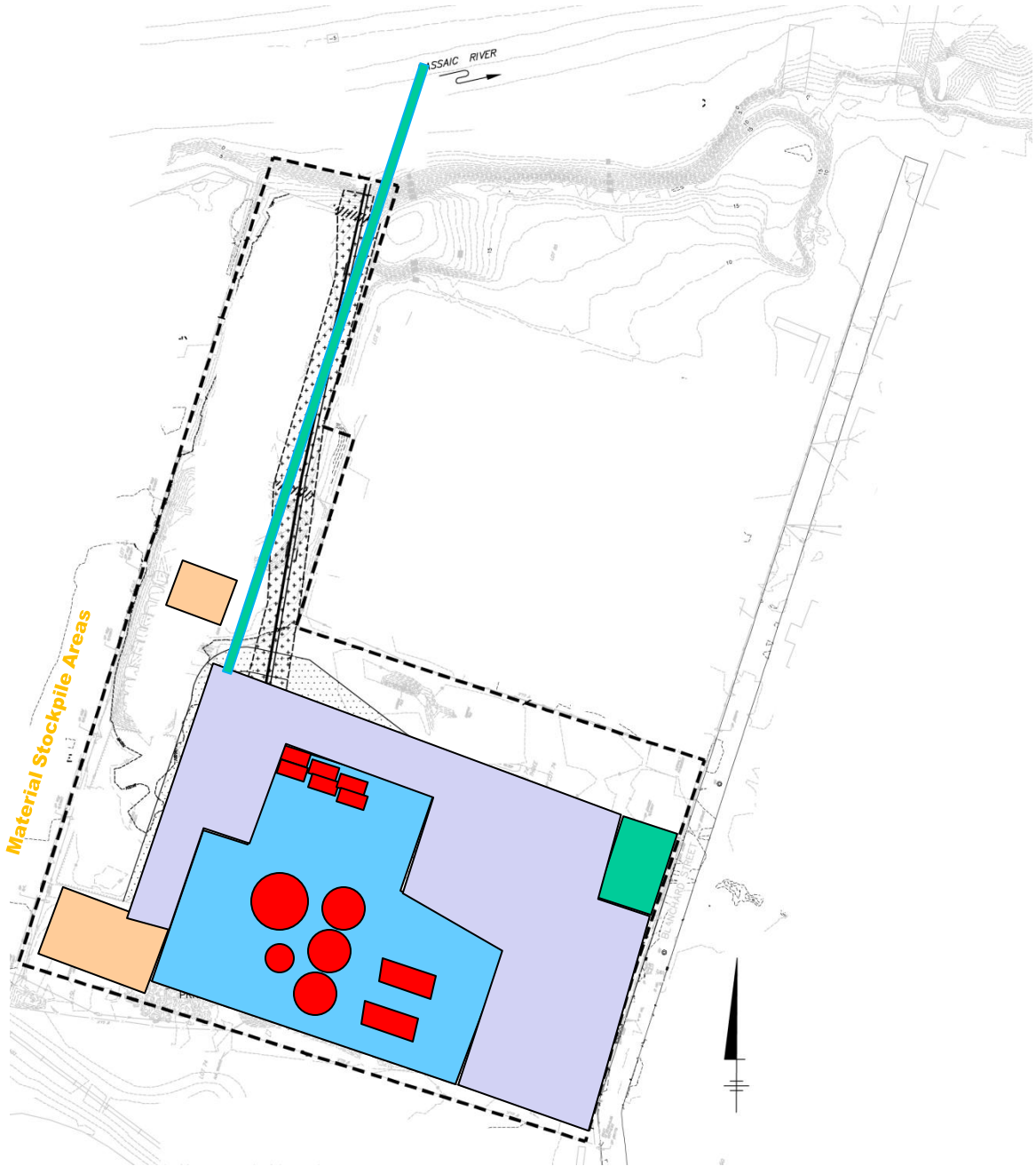
*Tieback caps for inspections*



*View of the remaining installed portion of the enclosure  
north and east walls*

**Weekly Construction Progress Report #61  
(Continued)**

**Period:** 09/24/12 – 09/30/12



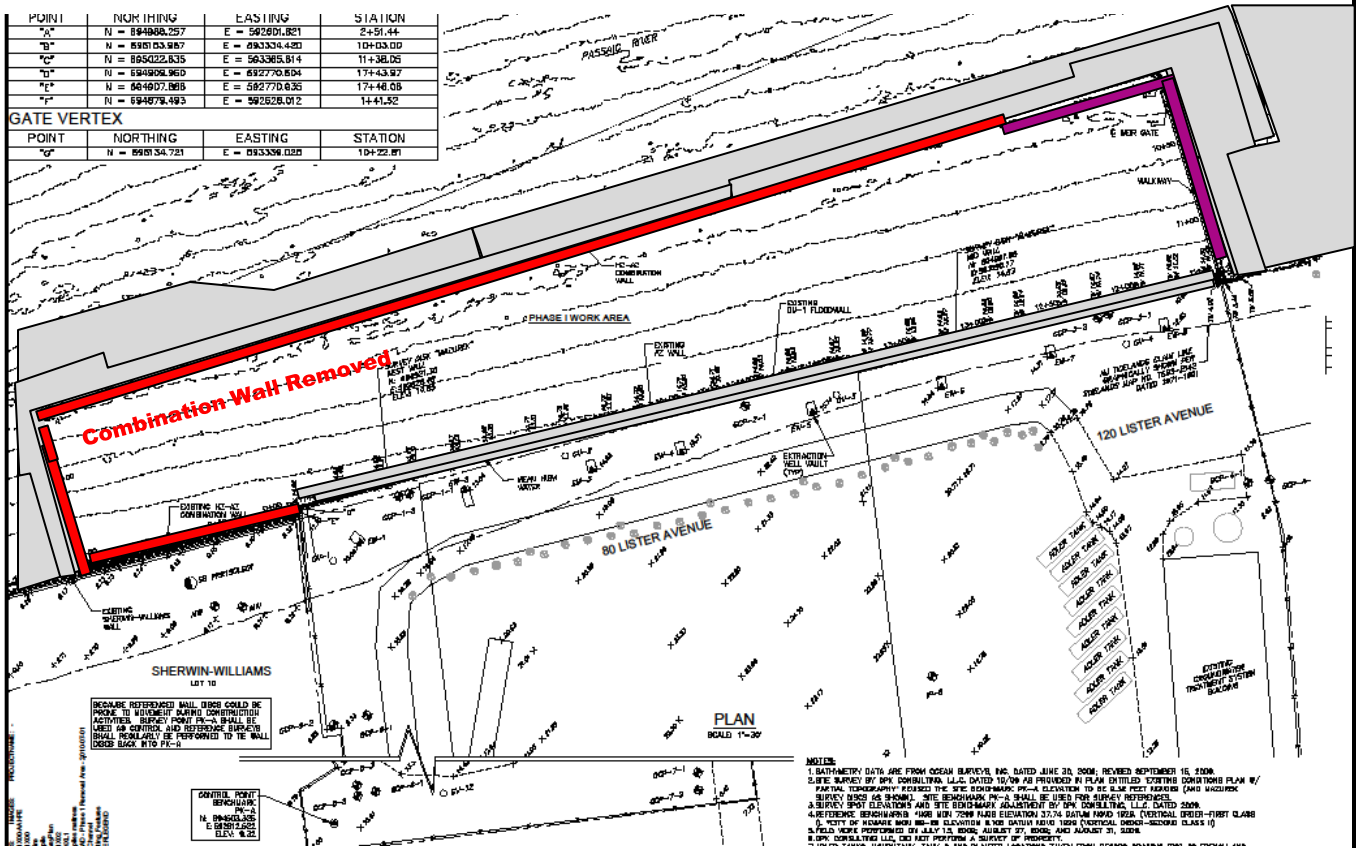
**UPF Property**

### Weekly Construction Progress Report #61 (Continued)

Period: 09/24/12 – 09/30/12

POINT	NORTHING	EASTING	STATION
"A"	N = 694866.257	E = 592501.821	2+51.44
"B"	N = 695033.887	E = 593334.420	10+33.00
"C"	N = 695022.635	E = 593365.814	11+38.05
"D"	N = 694908.960	E = 592770.604	17+43.97
"E"	N = 684907.868	E = 582770.636	17+46.08
"F"	N = 694878.493	E = 592628.012	14+1.52

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 695034.721	E = 693336.020	10+22.81



### OU-1 Property

## Weekly Construction Progress Report #62

**Period:** 10/01/12 – 10/07/12

### Project Work Performed:

- Completed removal of ancillary components of the enclosure for the removal of king piles and sheet piles including the weir gate frame.
- Completed removal of king piles and sheet piles along the north side and east side of the enclosure.
- Completed the removal of pumps, fish screens, and pump caissons associated with the enclosure.
- Completed sectioning and off-site transportation of the discharge piping.
- Resumed the demobilization of the sediment processing system at the Upland Processing Facility (UPF) including the disassembly of sludge storage tanks.

### Planned Activities - Weeks of 10/08 & 10/15:

- Complete site restoration and clean-up activities at the OU-1 Property including the reinstallation of the fencing along the top of the OU-1 Floodwall.
- Complete demobilization of marine construction equipment from the sediment removal area.
- Complete disassembly of sediment screening equipment on the Weeks 62 Barge at Weeks Greenville Yard.
- Continue the demobilization of the sediment processing system at the UPF, focusing on the disassembly of tanks and the removal of wiring, cable trays, and other electrical components.

### Construction Quality Assurance/Safety:

- Behavioral-based safety tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 1 (99)
  - Job Loss Analysis (JLAs) – 0 (40)
  - Near Loss – 0 (26)
  - Incidents – 0 (4)
  - Stop Work Authority 0 – (53)
  - Estimated field man hours to date – 131,000 hours.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).
- ARCADIS is planning the structural engineer's post construction inspection of the OU-1 Floodwall to be conducted towards the end of October (tentatively October 23 and 24, 2012).

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Removal of the east wall of the enclosure*



*Removal of a sludge storage tank at the UPF*



*Sectioning of discharge piping*

**Weekly Construction Progress Report #62  
(Continued)**

**Period:** 10/01/12 – 10/07/12

Construction Quality Assurance/Safety (continued):

Prepared by Matthew Bowman, October 9, 2012

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



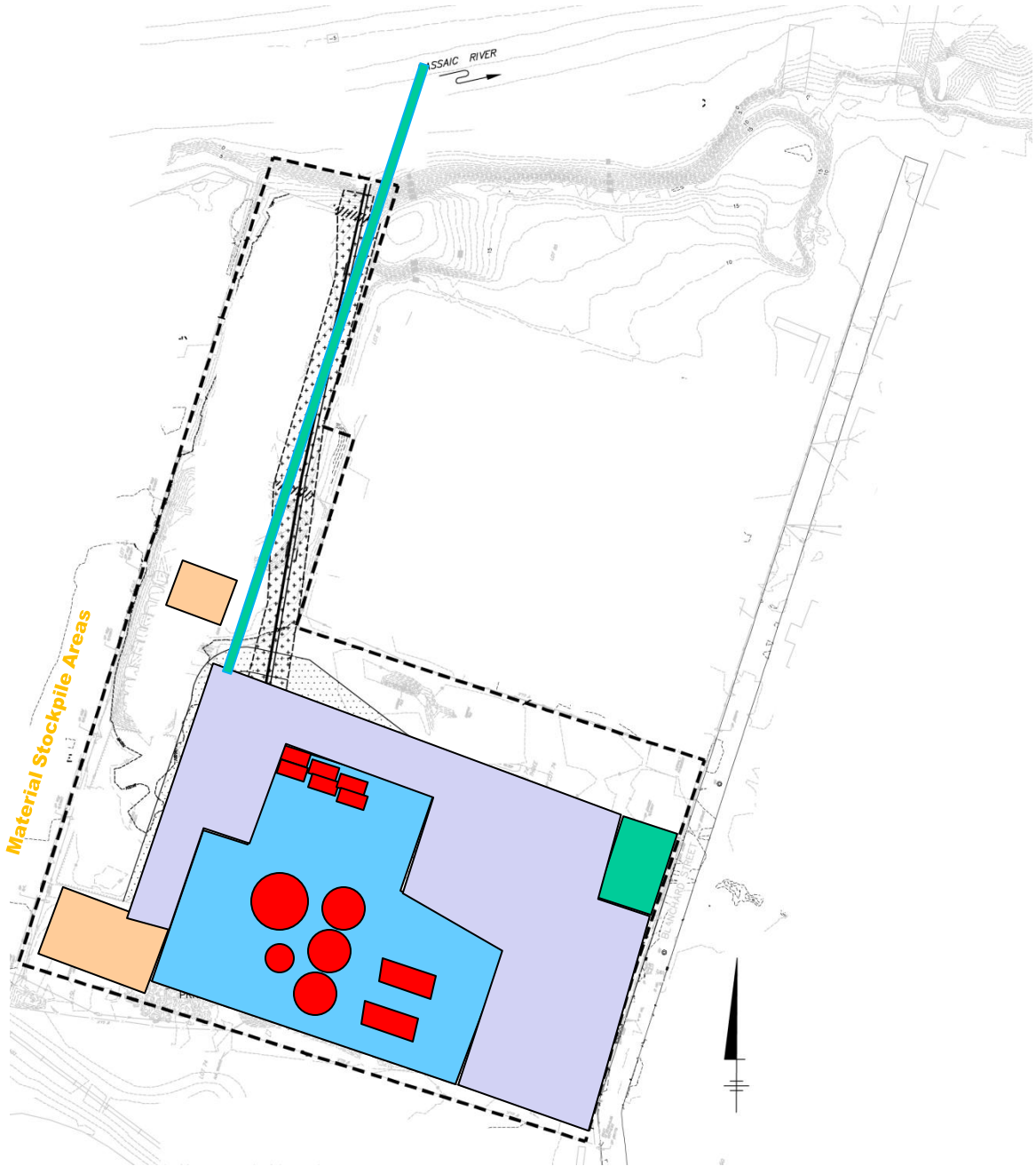
*Disassembly of a sludge storage tank at the UPF*



*Removal of one of the final piles of the sediment removal enclosure*

**Weekly Construction Progress Report #62  
(Continued)**

**Period:** 10/01/12 – 10/07/12



**UPF Property**

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey

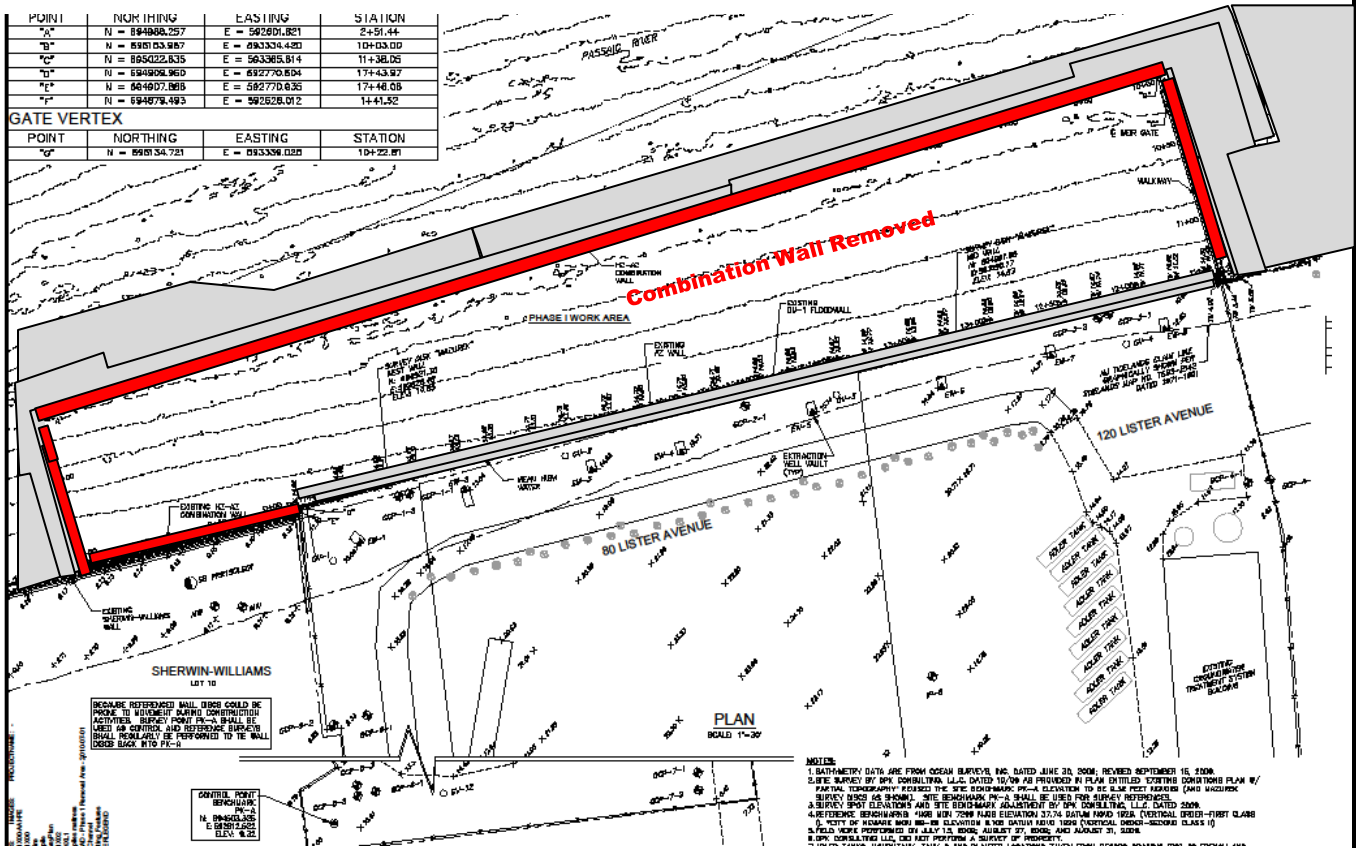
### Weekly Construction Progress Report #62 (Continued)

Period: 10/01/12 – 10/07/12

POINT	NORTHING	EASTING	STATION
"A"	N = 694866.257	E = 592501.821	2+51.44
"B"	N = 695033.887	E = 593334.420	10+33.00
"C"	N = 695022.635	E = 593365.814	11+38.05
"D"	N = 694908.960	E = 692770.604	17+43.97
"E"	N = 684907.868	E = 682770.636	17+46.08
"F"	N = 694878.493	E = 592628.012	14+1.52

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 695034.721	E = 693336.020	10+22.81



### OU-1 Property



## Weekly Construction Progress Report #63

**Period:** 10/08/12 – 10/14/12

### Project Work Performed:

- Began site restoration and clean-up activities at the OU-1 property including the reinstallation of the fencing along the top of the OU-1 Floodwall.
- Completed demobilization of marine construction equipment from the sediment removal area.
- Continued disassembly of the sediment screening equipment of the Weeks 62 Barge at Weeks Greenville Yard.
- Continued the demobilization of the sediment processing system at the Upland Processing Facility (UPF) including the disassembly of sludge storage tanks.

### Planned Activities - Weeks of 10/15 & 10/22:

- Complete site restoration and clean-up activities at the OU-1 Property including the reinstallation of the fencing along the top of the OU-1 Floodwall.
- Complete demobilization of marine construction equipment from the sediment removal area.
- Complete disassembly of sediment screening equipment on the Weeks 62 Barge at Weeks Greenville Yard.
- Continue the demobilization of the sediment processing system at the UPF, focusing on the disassembly of tanks and the removal of wiring, cable trays, and other electrical components.

### Construction Quality Assurance/Safety:

- Behavioral-based safety tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 0 (99)
  - Job Loss Analysis (JLAs) – 0 (40)
  - Near Loss – 0 (26)
  - Incidents – 0 (4)
  - Stop Work Authority 0 – (53)
  - Estimated field man hours to date – 132,000 hours.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).
- ARCADIS, Tierra, and the UPF Property Owner conducted a meeting on October 11, 2012 to coordinate final restoration activities for that property.
- ARCADIS is planning the structural engineer's post construction inspection of the OU-1 Floodwall to be conducted towards the end of October (tentatively October 23 and 24, 2012).

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Removal of the final monopile near the UPF*



*Removal of a sludge storage tank at the UPF*



*Removal of a sludge storage tank at the UPF*

## Weekly Construction Progress Report #63 (Continued)

**Period:** 10/08/12 – 10/14/12

Construction Quality Assurance/Safety (continued):

Prepared by Matthew Bowman, October 16, 2012

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



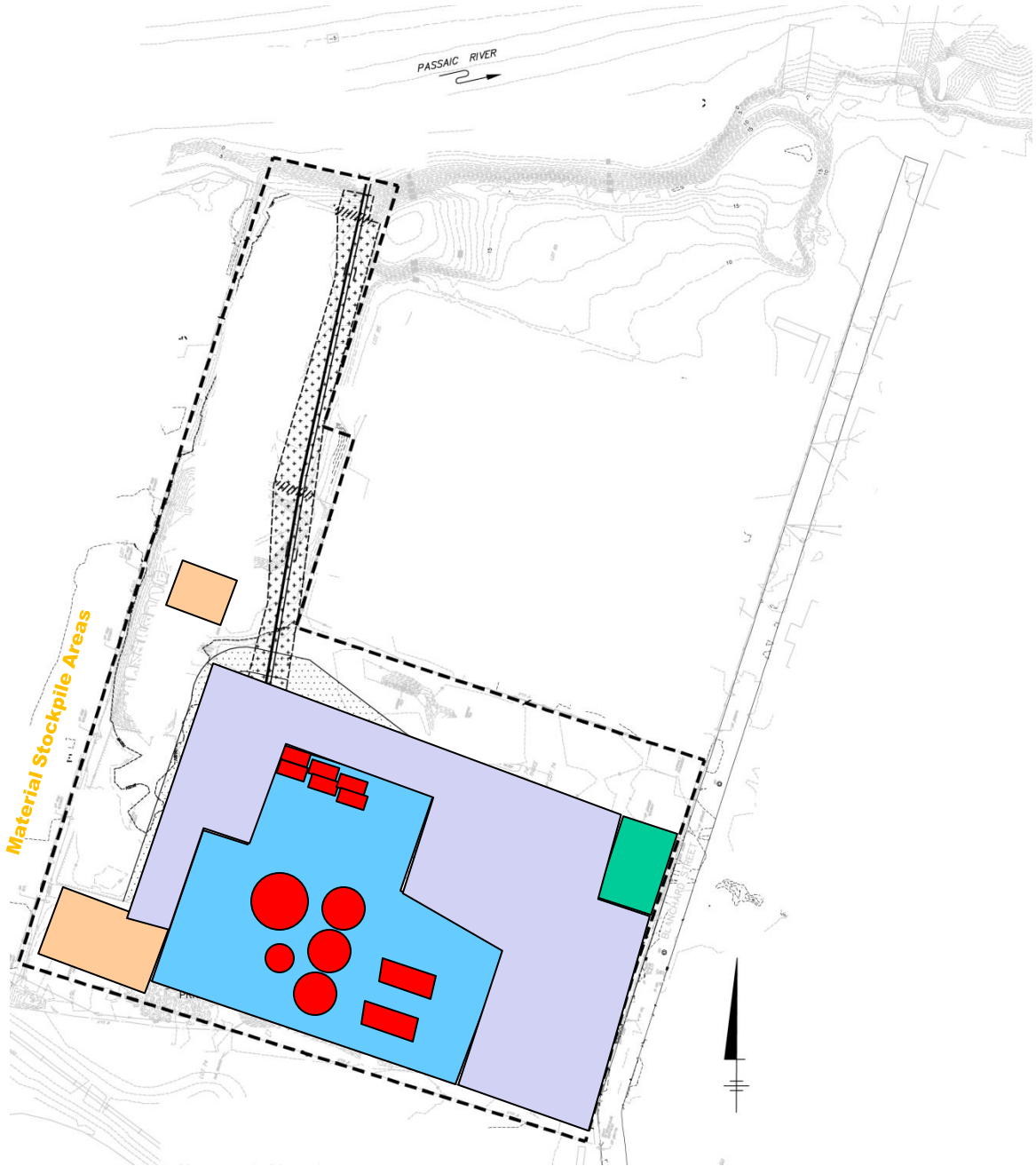
*Presses and conveyors during disassembly*



*Demobilization of Weeks crane from the Site*

**Weekly Construction Progress Report #63  
(Continued)**

**Period:** 10/08/12 – 10/14/12



**UPF Property**

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey

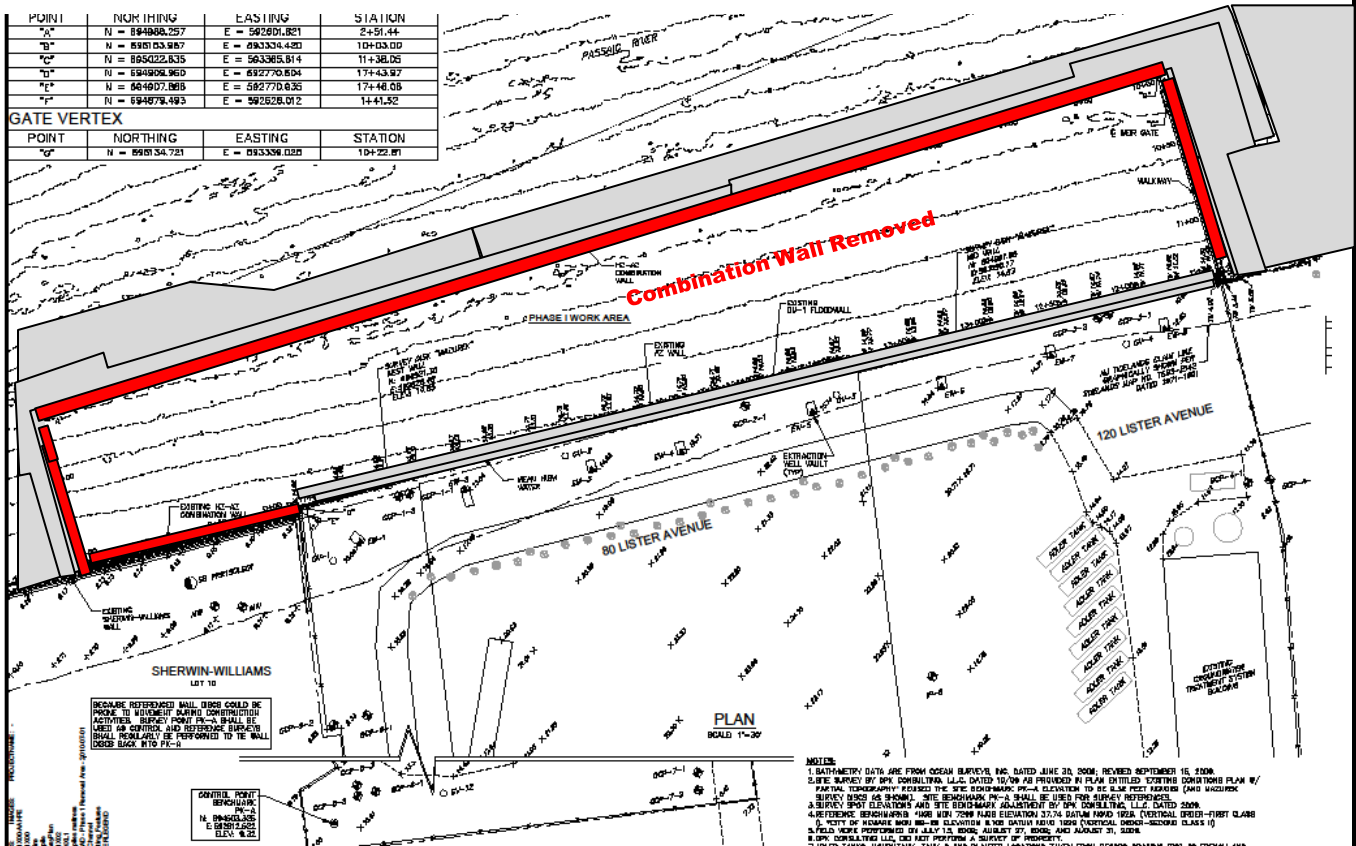
### Weekly Construction Progress Report #63 (Continued)

Period: 10/08/12 – 10/14/12

POINT	NORTHING	EASTING	STATION
"A"	N = 694866.257	E = 592501.821	2+51.44
"B"	N = 695153.887	E = 693334.420	10+33.00
"C"	N = 695022.635	E = 593365.814	11+38.05
"D"	N = 694908.960	E = 692770.604	17+43.97
"E"	N = 684907.868	E = 682770.636	17+46.08
"F"	N = 694878.493	E = 592628.012	14+1.52

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 695134.721	E = 693336.020	10+22.81



### OU-1 Property

**Weekly Construction Progress Report #64****Period:** 10/15/12 – 10/21/12**Project Work Performed:**

- Continued site restoration and clean-up activities at the OU-1 property including the reinstallation of the fencing along the top of the OU-1 Floodwall.
- Completed disassembly of the sediment screening equipment of the Weeks 62 Barge at Weeks Greenville Yard.
- Completed final inspection and completion details of the tieback system along the OU-1 Floodwall.
- Continued the demobilization of the sediment processing system at the Upland Processing Facility (UPF) including the disassembly of sludge storage tanks, gravity thickener tank, and the removal of electrical wiring and cable trays.

**Planned Activities - Weeks of 10/22 & 10/29:**

- Complete site restoration and clean-up activities at the OU-1 Property.
- Continue the demobilization of the sediment processing system at the UPF, focusing on the disassembly of tanks, removal of electrical components, and the disassembly of the sediment processing screening system.
- Complete the final bathymetric survey of the sediment removal area.

**Construction Quality Assurance/Safety:**

- Behavioral-based safety tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 0 (99)
  - Job Loss Analysis (JLAs) – 0 (40)
  - Near Loss – 0 (26)
  - Incidents – 0 (4)
  - Stop Work Authority 1 – (54) – Stop work was executed due to inclement weather conditions.
  - Estimated field man hours to date – 133,200 hours.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).
- ARCADIS is scheduled to perform a structural engineer's post construction inspection of the OU-1 Floodwall to be conducted October 24 and 25, 2012. DPK will perform a post construction survey of the OU-1 floodwall starting on October 23, 2012.
- ARCADIS is coordinating with Abscope for their remobilization to the UPF for the removal of concrete equipment foundations. The remobilization is tentatively scheduled for November 5, 2012.

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey***Reinstalled fence along the OU-1 Floodwall**Disassembly of the gravity thickener**Marking tiebacks during final inspection*

## Weekly Construction Progress Report #64 (Continued)

Period: 10/15/12 – 10/21/12

Prepared by Matthew Bowman, October 23, 2012

### CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



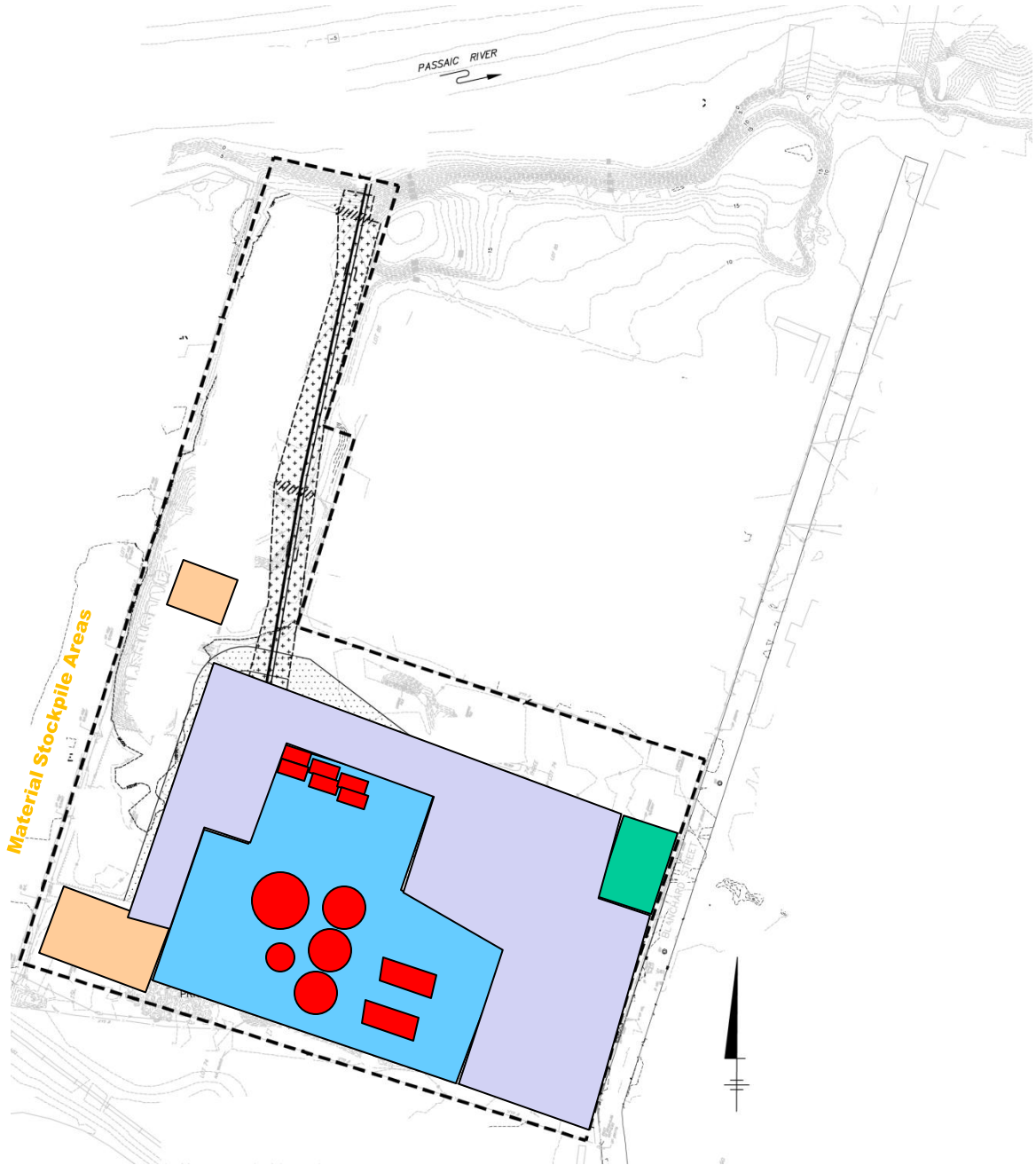
*Removal of agitation motors from a sludge holding tank*



*Sediment removal area and OU-1 Floodwall upon completion of work activities*

**Weekly Construction Progress Report #64  
(Continued)**

**Period:** 10/15/12 – 10/21/12



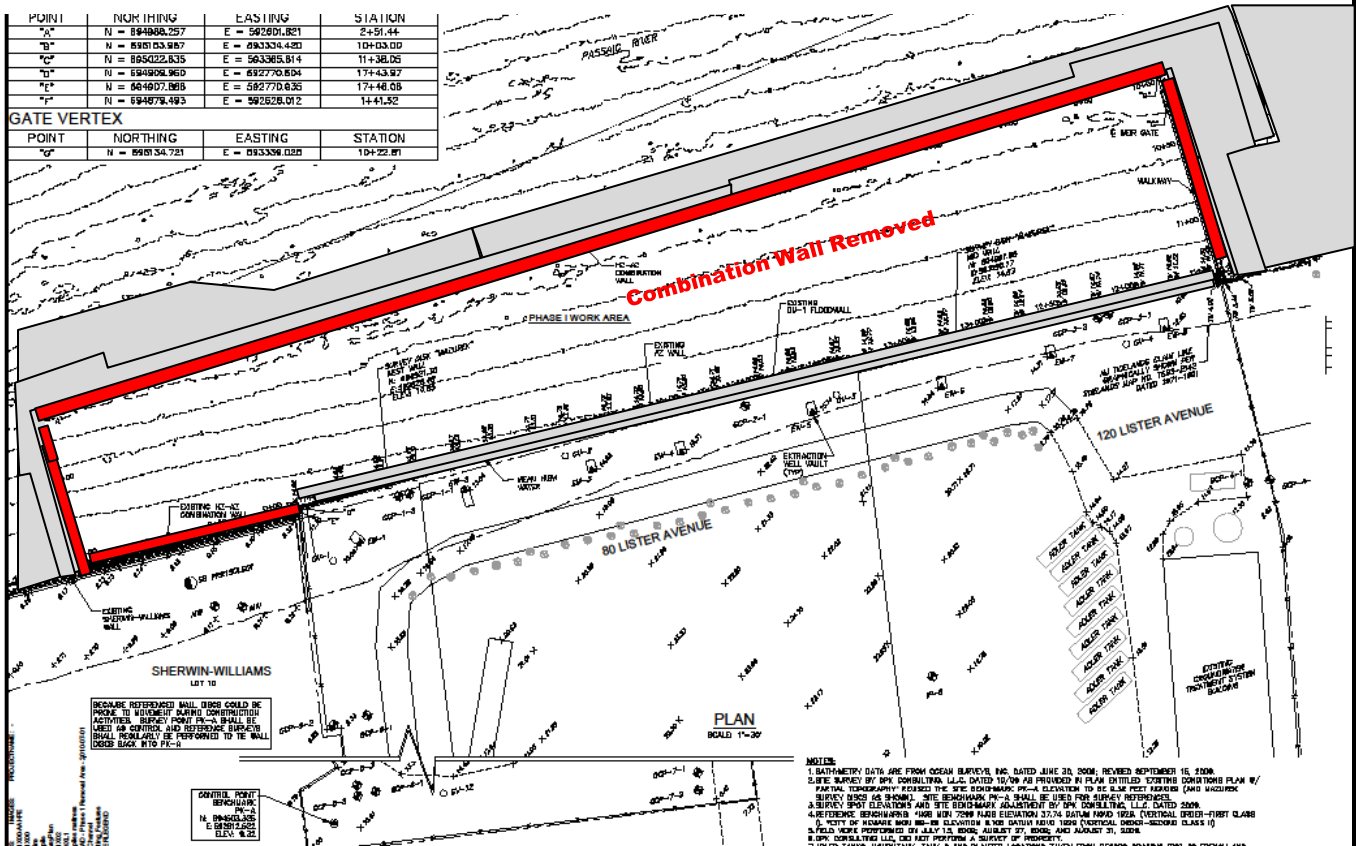
**UPF Property**

### Weekly Construction Progress Report #64 (Continued)

Period: 10/15/12 – 10/21/12

POINT	NORTHING	EASTING	STATION
"A"	N = 694866.257	E = 592501.821	2+51.44
"B"	N = 695033.887	E = 593334.420	10+33.00
"C"	N = 695022.635	E = 593365.814	11+38.05
"D"	N = 694908.960	E = 692770.604	17+43.97
"E"	N = 684907.868	E = 682770.636	17+46.08
"F"	N = 694878.493	E = 592628.012	14+1.52

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 690134.721	E = 693336.020	10+22.81



### OU-1 Property



## Weekly Construction Progress Report #65

Period: 10/22/12 – 11/04/12

### Project Work Performed:

- Completed property and damage assessment from Hurricane Sandy. Damage was reported to site support equipment (construction trailers and site lighting) and the electrical components of processing equipment that had not been demobilized. Sediment dredging and processing activities concluded during the summer and no environmental materials were released from the site as a part of this storm. Began site cleanup of debris and water that accumulated on the Upland Processing Facility (UPF) and OU-1 properties.
- Completed site restoration and clean-up activities at the OU-1 property including the reinstallation of the fencing along the top of the OU-1 Floodwall.
- Resumed the demobilization of the sediment processing system at the UPF including the disassembly of tanks, removal of electrical wiring and cable trays, and the disassembly of the sediment processing screening system.

### Planned Activities - Weeks of 11/05 & 11/12:

- Continue the demobilization of the sediment processing system at the UPF, focusing on the disassembly of the sediment processing screening system and membrane filter presses.
- Complete the final bathymetric survey of the sediment removal area.

### Construction Quality Assurance/Safety:

- Behavioral-based safety tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 0 (99)
  - Job Loss Analysis (JLAs) – 0 (40)
  - Near Loss – 0 (26)
  - Incidents – 0 (4) - There were no project-related injuries as a result of this storm.
  - Stop Work Authority 1 – (55) – Stop work was executed due to Hurricane Sandy.
  - Estimated field man hours to date – 134,500 hours.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).
- ARCADIS completed a structural engineer's post construction inspection of the OU-1 Floodwall on October 24 and 25, 2012.
- ARCADIS is coordinating with Abscope for their remobilization to the UPF for the removal of concrete equipment foundations. The remobilization is tentatively scheduled for November 19, 2012 (delayed as a result of Hurricane Sandy).

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Removal and Disassembly of shaker screen equipment of the sediment processing system*



*Impact to site support equipment from Hurricane Sandy*



*Removal and Disassembly of gravity thickener bridge of the sediment processing system*

**Weekly Construction Progress Report #65  
(Continued)**

**Period:** 10/22/12 – 11/04/12

Prepared by Matthew Bowman, November 06, 2012

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



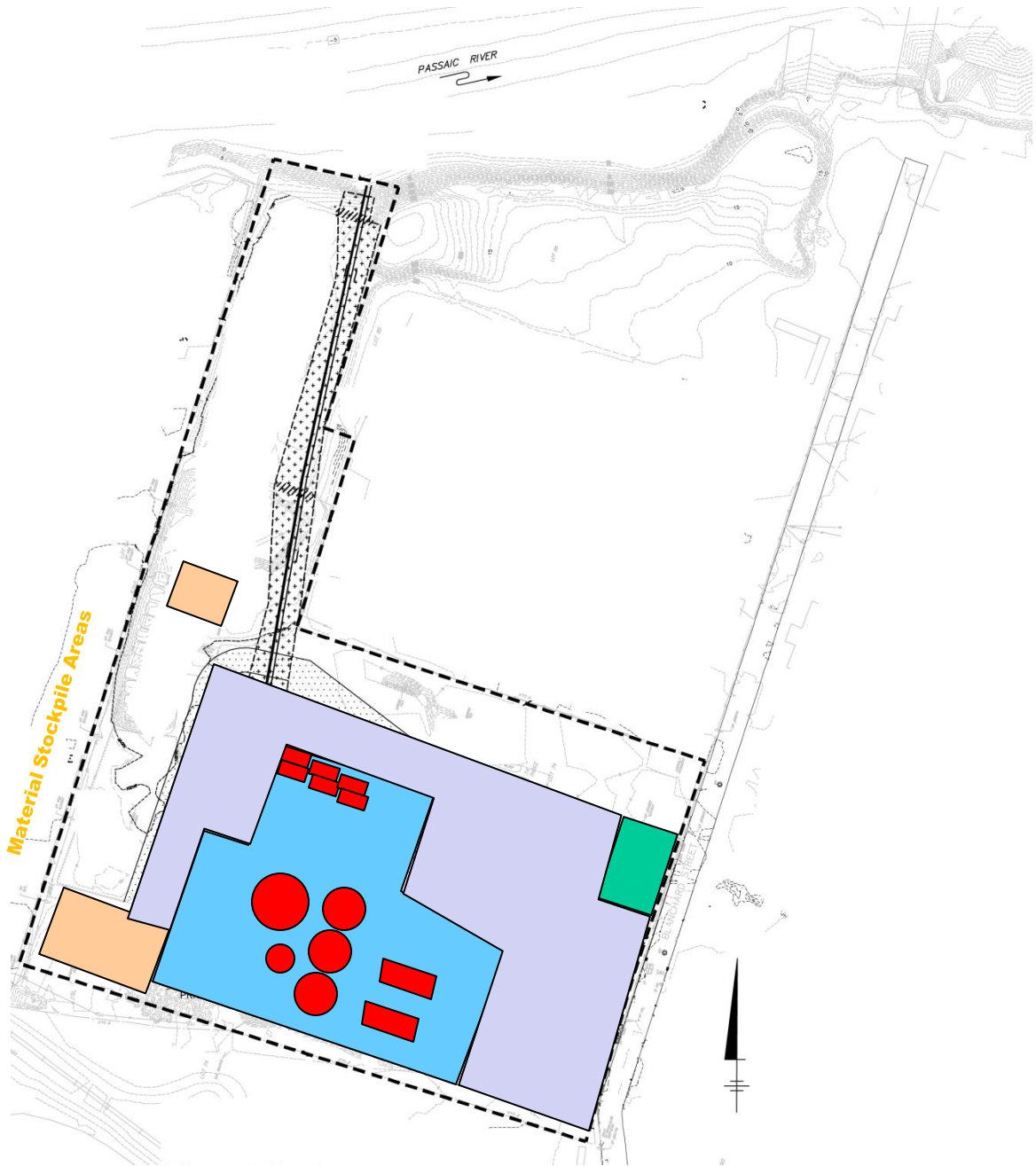
*Remaining floodwaters from Hurricane Sandy at the UPF Site*



*Removal and Disassembly of shaker screen equipment of the sediment processing system*

**Weekly Construction Progress Report #65  
(Continued)**

**Period:** 10/22/12 – 11/04/12



**UPF Property**

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey

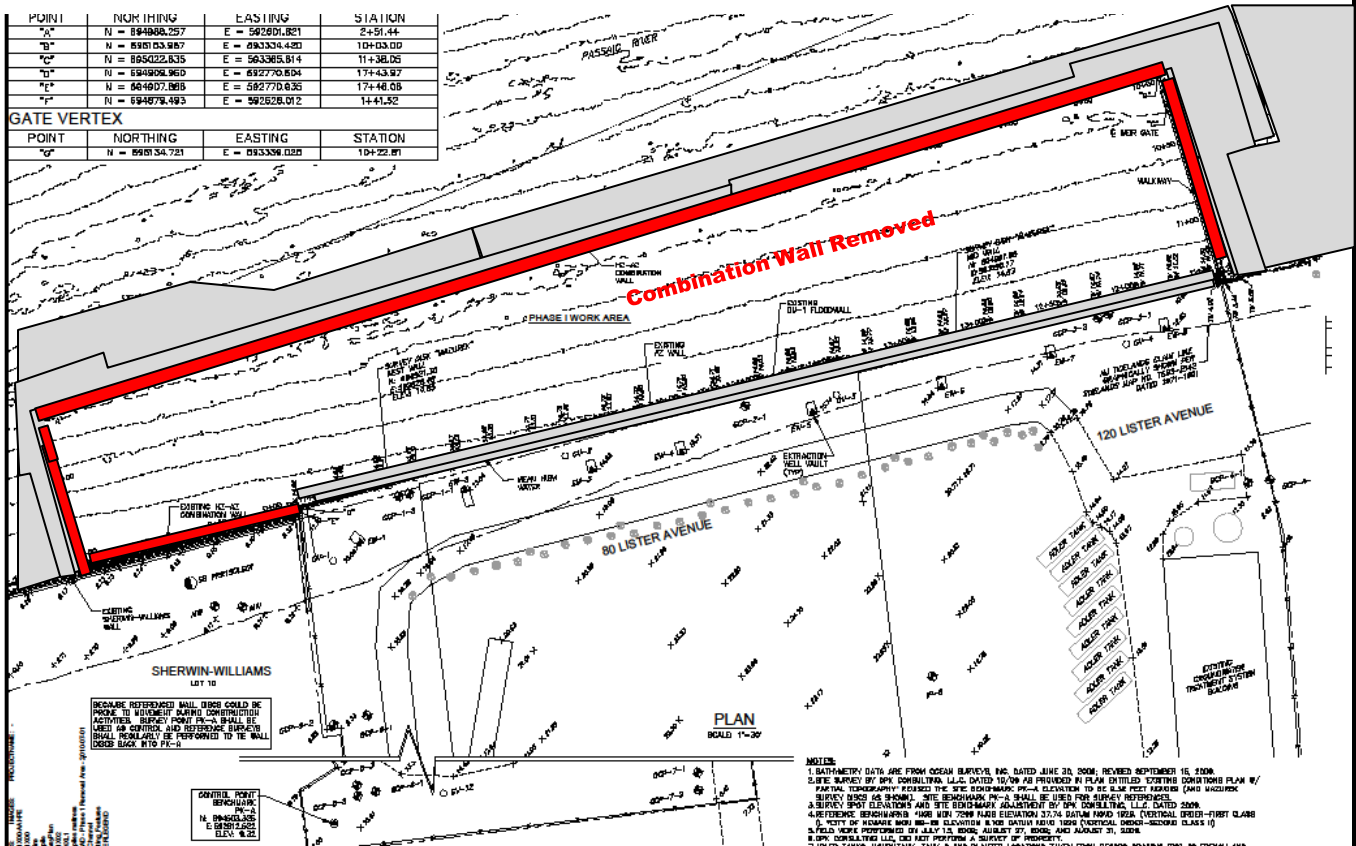
### Weekly Construction Progress Report #65 (Continued)

Period: 10/22/12 – 11/04/12

POINT	NORTHING	EASTING	STATION
"A"	N = 694866.257	E = 592501.821	2+51.44
"B"	N = 695153.887	E = 593334.420	10+33.00
"C"	N = 695022.635	E = 593365.814	11+38.05
"D"	N = 694908.960	E = 692770.604	17+43.97
"E"	N = 684907.868	E = 682770.636	17+46.08
"F"	N = 694878.493	E = 592628.012	14+1.52

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 695134.721	E = 693336.020	10+22.81



### OU-1 Property

## Weekly Construction Progress Report #66

**Period:** 11/05/12 – 11/11/12

### Project Work Performed:

- Continued site cleanup of debris and water that accumulated on the Upland Processing Facility (UPF) and OU-1 properties from Hurricane Sandy.
- Completed the final bathymetric survey of the sediment removal area.
- Completed the disconnection of temporary electrical service to the UPF Site.
- Continued the demobilization of the sediment processing system, including the disassembly of the sediment processing screening system and membrane filter presses.

### Planned Activities - Weeks of 11/12 & 11/19:

- Continue with the demobilization of the sediment processing system at the UPF, focusing on the removal of the sediment processing screening system and disassembly and removal of the membrane filter presses.
- Complete the removal and disassembly of the fabric canopies over the membrane filter presses.
- Complete the cutting and removal of the hydraulic pipeline from the UPF.
- Begin removal of site support facilities at the UPF including security lighting and construction trailers.
- Begin mobilization of equipment and personnel for the removal of the concrete pads, concrete crushing, and backfilling operations.
- Begin site restoration activities at the UPF.

### Construction Quality Assurance/Safety:

- Behavioral-based safety tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 0 (99)
  - Job Loss Analysis (JLAs) – 0 (40)
  - Near Loss – 0 (26)
  - Incidents – 0 (4) -
  - Stop Work Authority 1 – (55) – Stop work was executed due to inclement weather and storm conditions last week.
  - Estimated field man hours to date – 135,500 hours.
- Continued to complete storm water best management practice (BMP) inspections, consistent with the Storm Water Pollution Prevention Plan (SWPPP).
- ARCADIS will resume with the collection of samples from the surrogate sample boxes concurrent with the removal of concrete pads at the UPF.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Removal and disassembly of the gravity thickener bridge of the sediment processing system*



*Bathymetry survey of the sediment removal area*



*Equipment loaded for removal from the UPF*

**Weekly Construction Progress Report #66  
(Continued)**

**Period:** 11/05/12 – 11/11/12

Prepared by Matthew Bowman, November 14, 2012

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



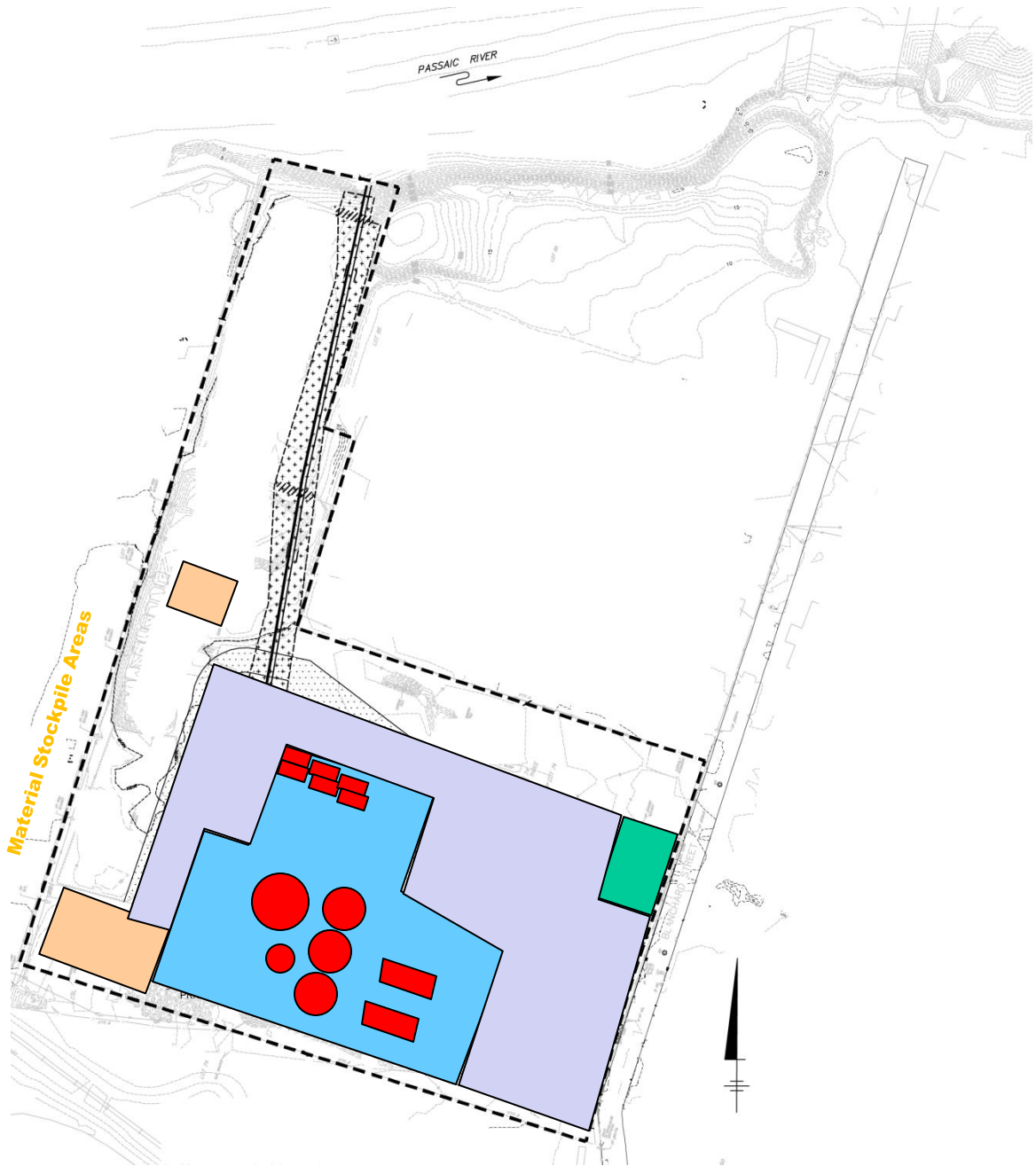
*Banding components for shipment from the UPF*



*Removal of concrete blocks from the UPF*

**Weekly Construction Progress Report #66  
(Continued)**

**Period:** 11/05/12 – 11/11/12



**UPF Property**

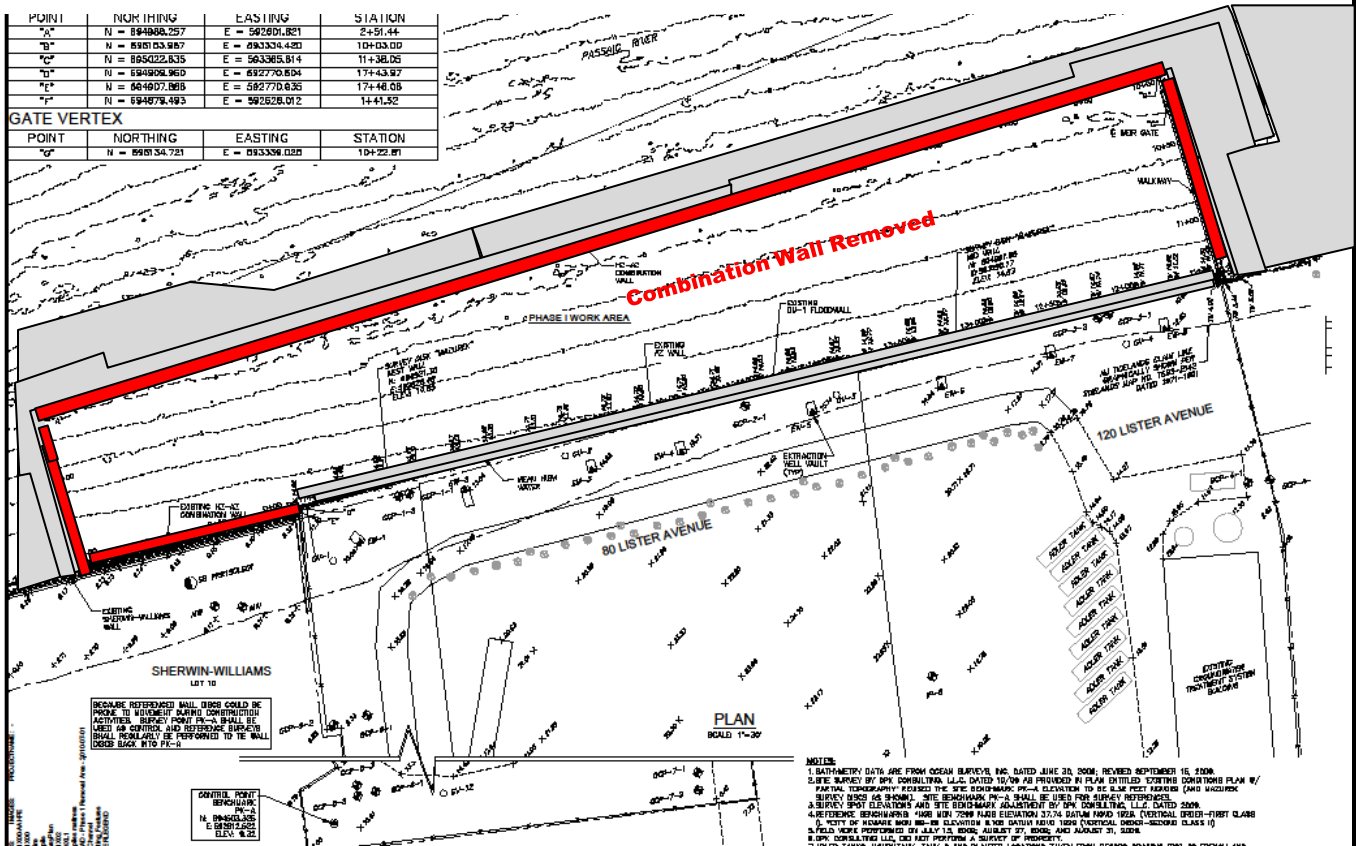
## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey

### Weekly Construction Progress Report #66 (Continued)

Period: 11/05/12 – 11/11/12

POINT	NORTHING	EASTING	STATION
"A"	N = 694866.257	E = 592501.821	2+51.44
"B"	N = 695153.887	E = 593334.420	10+33.00
"C"	N = 695022.635	E = 593365.814	11+38.05
"D"	N = 694908.960	E = 592770.604	17+43.97
"E"	N = 684907.868	E = 582770.636	17+46.08
"F"	N = 694878.493	E = 592628.012	14+1.52

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 695134.721	E = 693336.020	10+22.81



### OU-1 Property



**Weekly Construction Progress Report #67****Period:** 11/12/12 – 11/18/12**Project Work Performed:**

- Continued site cleanup of debris and water that accumulated on the Upland Processing Facility (UPF) and OU-1 properties from Hurricane Sandy.
- Continued the demobilization of the sediment processing system, including the disassembly of the sediment processing screening system and membrane filter presses.
- Began mobilization of equipment and personnel for the removal of the concrete pads, concrete crushing, and backfilling operations.
- Began the cutting and removal of the hydraulic pipeline from the UPF.
- Began removal of site support facilities at the UPF including security lighting and construction trailers.
- Began site restoration activities at the UPF.

**Planned Activities - Weeks of 11/19 & 11/25:**

- Continue with the demobilization of the sediment processing system at the UPF, focusing on the removal of the sediment processing screening system and disassembly and removal of the membrane filter presses.
- Complete the removal and disassembly of the fabric canopies over the membrane filter presses.
- Complete the cutting and removal of the hydraulic pipeline from the UPF.
- Continue removal of site support facilities at the UPF including security lighting and construction trailers.
- Complete mobilization of equipment and personnel for the removal of the concrete pads, concrete crushing, and backfilling operations.
- Continue site restoration activities at the UPF.

**Construction Quality Assurance/Safety:**

- Behavioral-based safety tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 0 (99)
  - Job Loss Analysis (JLAs) – 0 (40)
  - Near Loss – 0 (26)
  - Incidents – 0 (4) -
  - Stop Work Authority 0 – (55)
  - Estimated field man hours to date – 136,400 hours.
- Continued to complete storm water best management practice (BMP) inspections, consistent with the Storm Water Pollution Prevention Plan (SWPPP).
- ARCADIS will resume with the collection of samples from the surrogate sample boxes concurrent with the removal of concrete pads at the UPF.
- Site workers will observe the Thanksgiving Holiday weekend from November 22 to 25, 2012.

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey****Removal and disassembly of the hopper on the sediment screening system****Removal of lighting in preparation of canopy disassembly****Final decontamination of equipment during disassembly**

**Weekly Construction Progress Report #67  
(Continued)**

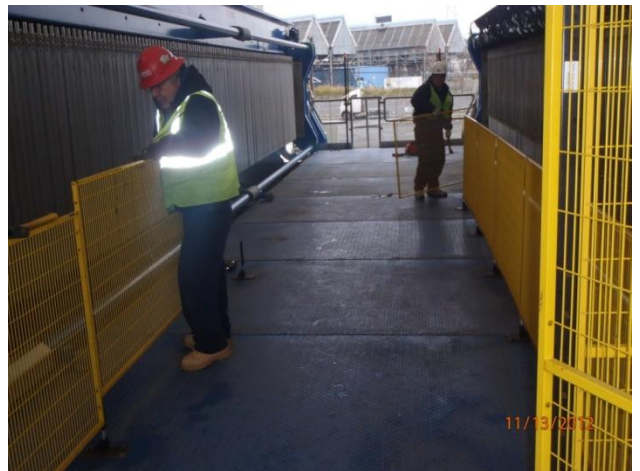
**Period:** 11/12/12 – 11/18/12

Prepared by Matthew Bowman, November 20, 2012

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



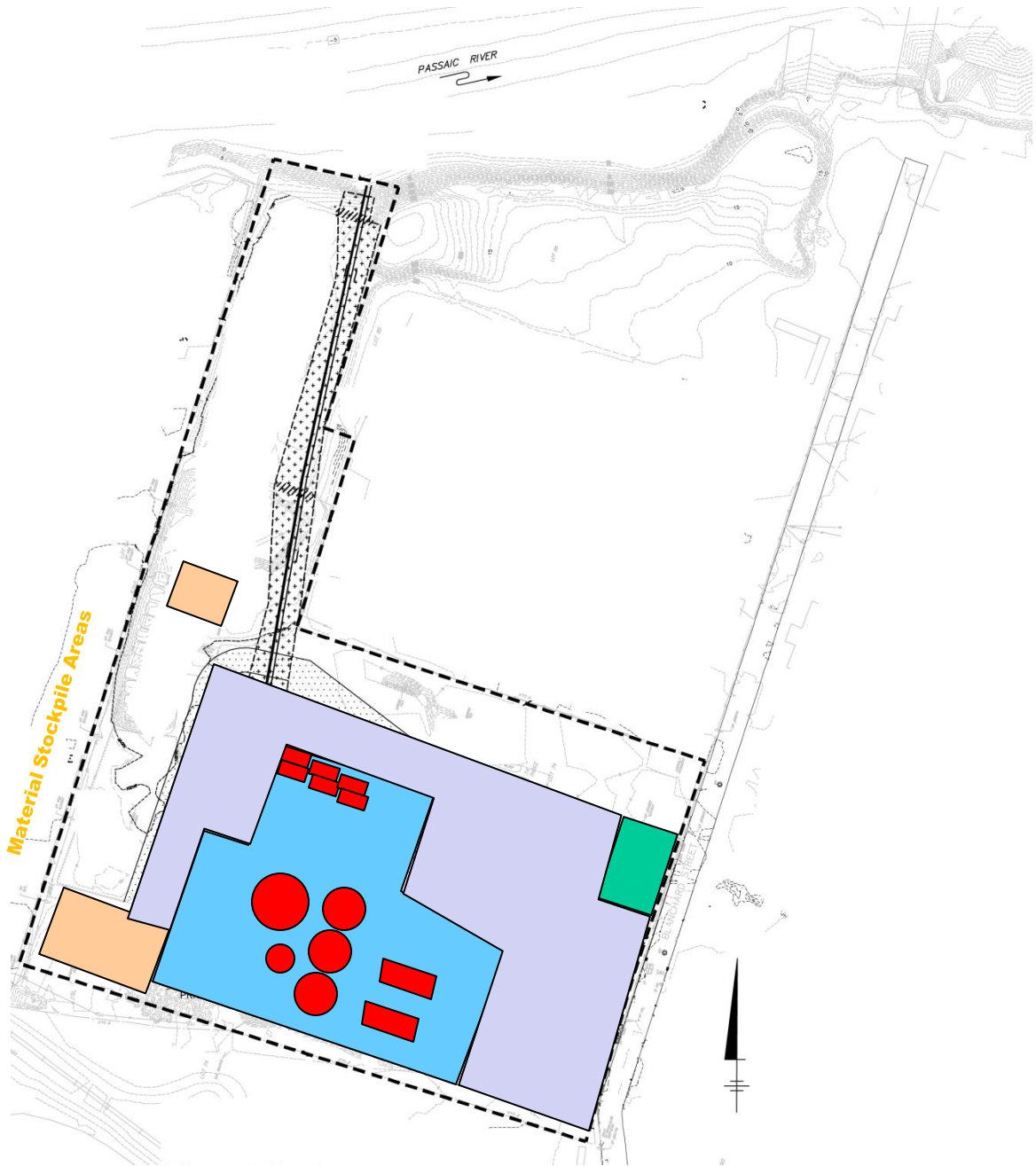
*Preparation of HDPE piping for removal from the UPF*



*Disassembly of equipment off of the membrane filter presses*

**Weekly Construction Progress Report #67  
(Continued)**

**Period:** 11/12/12 – 11/18/12



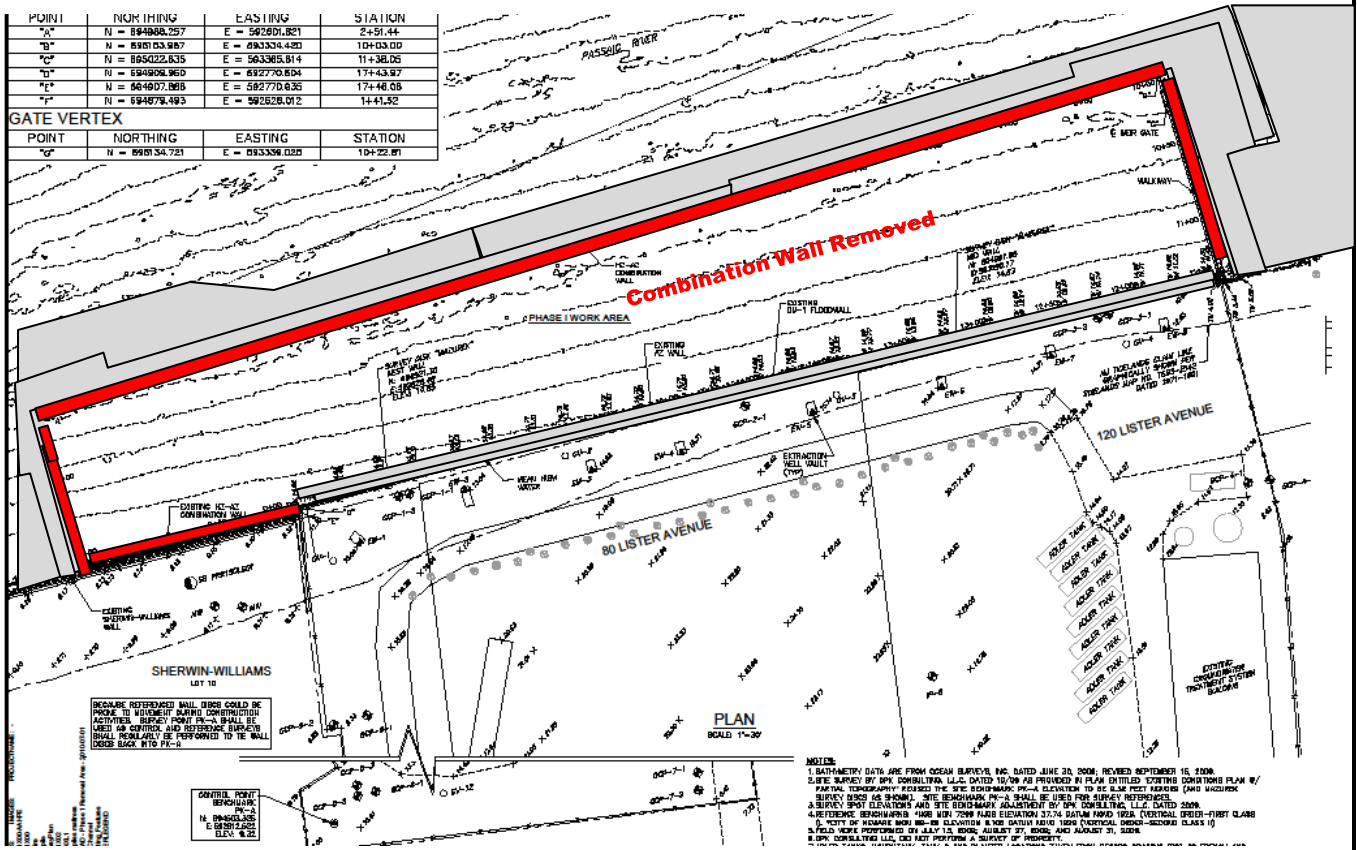
**UPF Property**

### Weekly Construction Progress Report #67 (Continued)

Period: 11/12/12 – 11/18/12

POINT	NORTHING	EASTING	STATION
"A"	N = 694866.257	E = 592501.821	2+51.44
"B"	N = 695153.887	E = 593334.420	10+33.00
"C"	N = 695022.635	E = 593365.814	11+38.05
"D"	N = 694908.960	E = 592770.604	17+43.97
"E"	N = 684907.868	E = 582770.636	17+46.08
"F"	N = 694878.493	E = 592628.012	14+1.52

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 695134.721	E = 693336.020	10+22.81



### OU-1 Property

## Weekly Construction Progress Report #68

**Period:** 11/19/12 – 12/02/12

### Project Work Performed:

- Completed site cleanup of debris and water that accumulated on the Upland Processing Facility (UPF) and OU-1 properties from Hurricane Sandy.
- Continued the demobilization of the sediment processing system, including the disassembly and loading of the sediment processing screening system and membrane filter presses.
- Continued with the removal of the concrete pads, concrete crushing, and backfilling operations.
- Completed the cutting and removal of the hydraulic pipeline from the UPF.
- Continued removal of site support facilities at the UPF including security lighting and construction trailers.
- Completed the removal and disassembly of the fabric canopies over the membrane filter presses.

### Planned Activities - Weeks of 12/03 & 12/10:

- Complete demobilization of the sediment processing system at the UPF, focusing on the removal of the membrane filter presses.
- Continue removal of site support facilities at the UPF including security lighting and construction trailers.
- Continue with the removal of the concrete pads, concrete crushing, and backfilling operations.
- Continue site restoration activities at the UPF.

### Construction Quality Assurance/Safety:

- Behavioral-based safety tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 0 (99)
  - Job Loss Analysis (JLAs) – 0 (40)
  - Near Loss – 0 (26)
  - Incidents – 0 (4) -
  - Stop Work Authority 0 – (55)
  - Estimated field man hours to date – 138,000 hours.
- Continued to complete storm water best management practice (BMP) inspections, consistent with the Storm Water Pollution Prevention Plan (SWPPP).
- ARCADIS will resume with the collection of samples from the surrogate sample boxes concurrent with the removal of concrete pads at the UPF at two locations during the reporting period.
- Site workers observed the Thanksgiving Holiday weekend from November 22 to 25, 2012.
- Completed a post-construction inspection with the USEPA at the OU-1 Property on November 28, 2012.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Removal and disassembly of the conveyor on the sediment screening system*



*Processing of foundation pad material*



*Canopy removal from the filter presses*

**Weekly Construction Progress Report #68  
(Continued)**

**Period:** 11/19/12 – 12/02/12

Prepared by Matthew Bowman, December 5, 2012

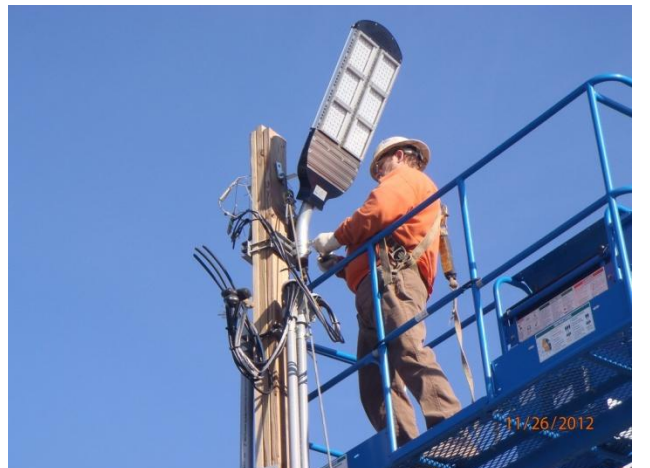
**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



*Surrogate sample material for sampling*



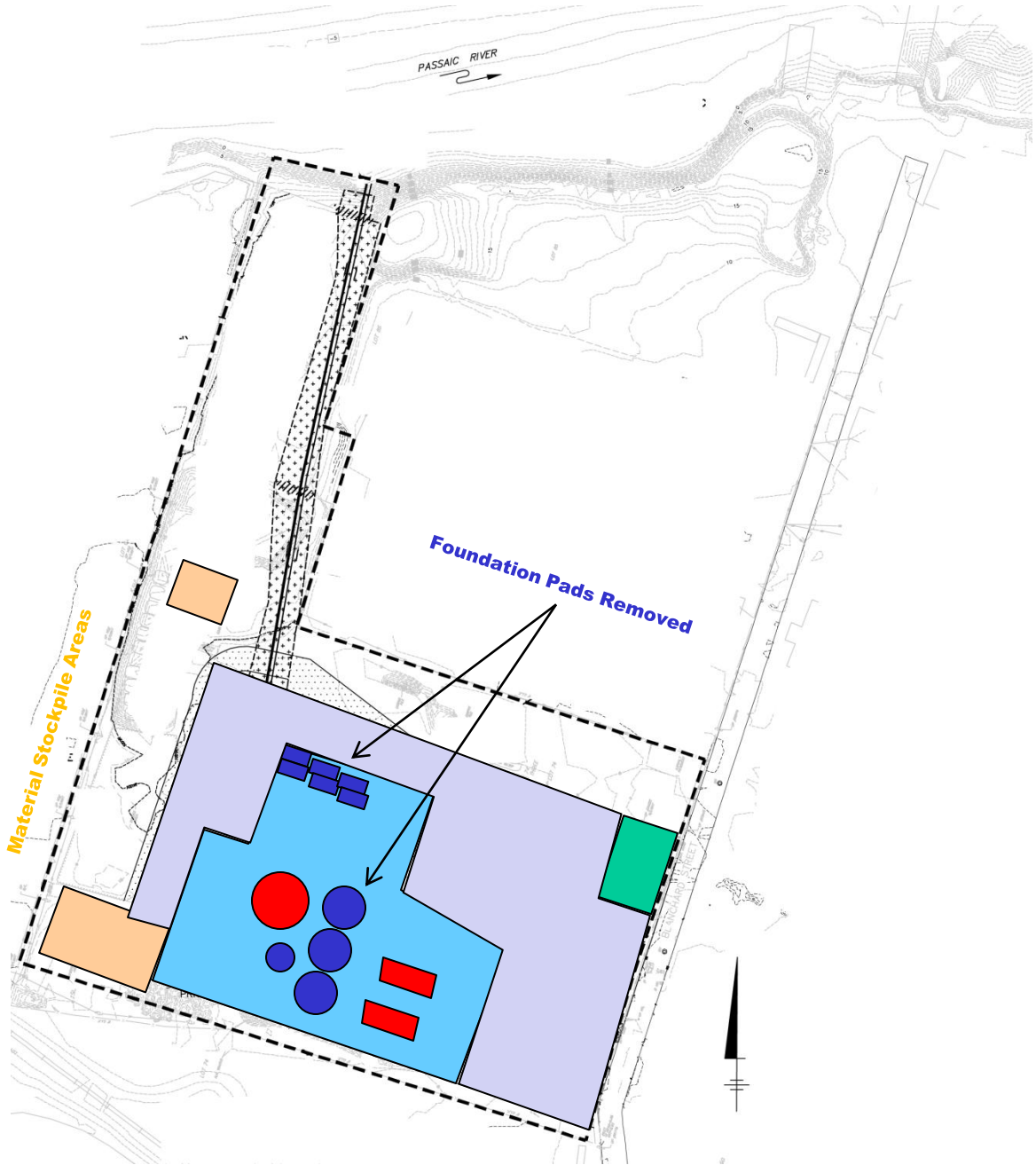
*Rebar from the pad foundations separated for recycling*



*Removal of site lighting for the UPF*

**Weekly Construction Progress Report #68  
(Continued)**

**Period:** 11/19/12 – 12/02/12



**UPF Property**

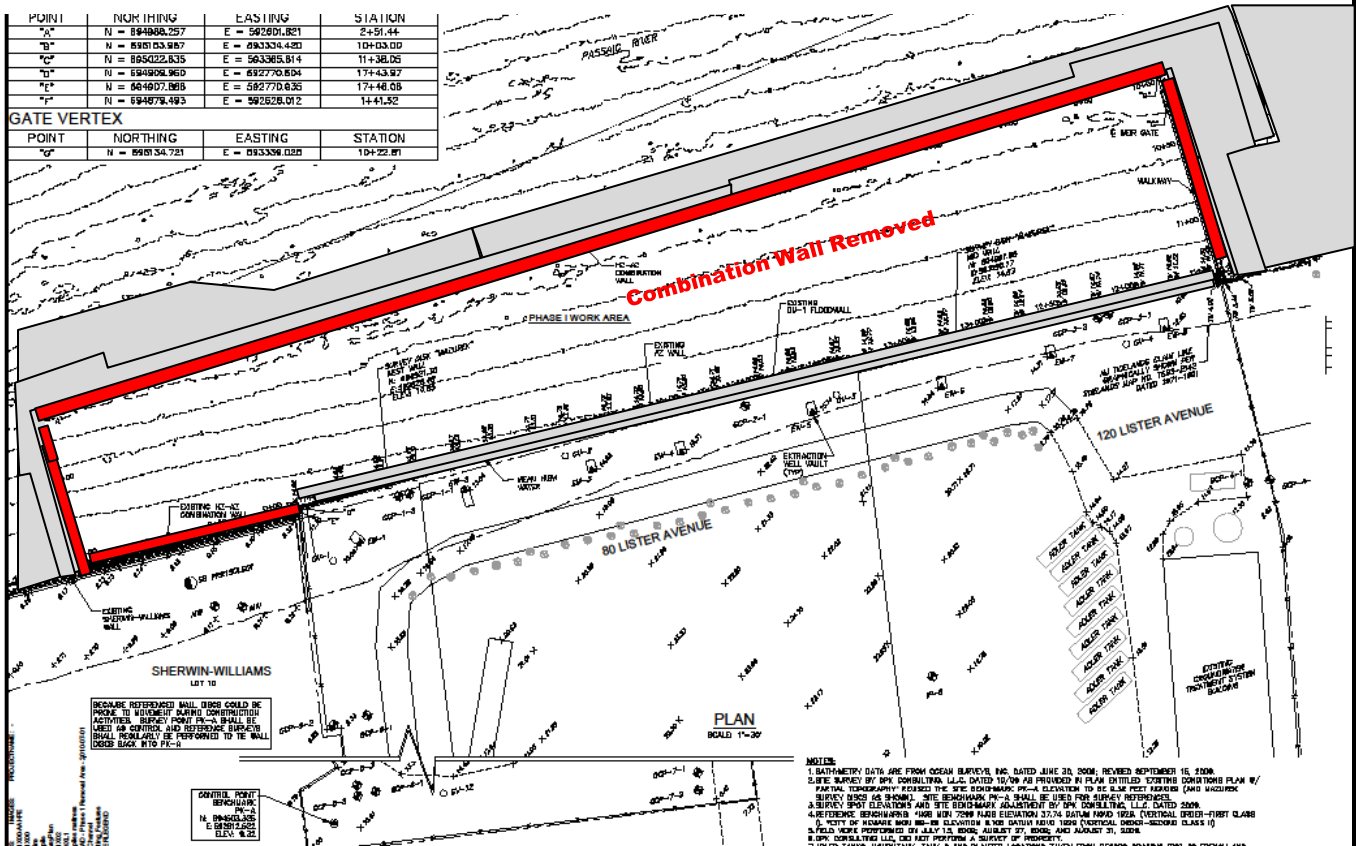
## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey

### Weekly Construction Progress Report #68 (Continued)

Period: 11/19/12 – 12/02/12

POINT	NORTHING	EASTING	STATION
"A"	N = 694866.257	E = 592501.821	2+51.44
"B"	N = 695033.887	E = 693334.420	10+33.00
"C"	N = 695022.635	E = 593365.814	11+38.05
"D"	N = 694908.960	E = 692770.604	17+43.97
"E"	N = 684907.868	E = 682770.636	17+46.08
"F"	N = 694878.493	E = 592628.012	14+1.52

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 695034.721	E = 693336.020	10+22.81



### OU-1 Property



**Weekly Construction Progress Report #69****Period:** 12/03/12 – 12/09/12**Project Work Performed:**

- Continued the demobilization of the sediment processing system, including the disassembly and loading of the membrane filter presses.
- Continued with the removal of the concrete pads, concrete crushing, and backfilling operations.
- Continued removal of site support facilities at the UPF including security lighting and construction trailers.

**Planned Activities - Weeks of 12/10 & 12/17:**

- Complete demobilization of the sediment processing system at the UPF, including the removal of the remaining components membrane filter presses, and other miscellaneous materials and equipment.
- Complete removal of site support facilities at the UPF including construction trailers.
- Complete removal of the concrete pads, concrete crushing, and backfilling operations. Concrete crushing equipment is scheduled for mobilization and setup on 12/15/12.
- Demobilization activities are anticipated to be complete on or before December 22, 2012.

**Construction Quality Assurance/Safety:**

- Behavioral-based safety tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 0 (99)
  - Job Loss Analysis (JLAs) – 0 (40)
  - Near Loss – 0 (26)
  - Incidents – 0 (4) -
  - Stop Work Authority 0 – (55)
  - Estimated field man hours to date – 139,100 hours.
- Continued to complete storm water best management practice (BMP) inspections, consistent with the Storm Water Pollution Prevention Plan (SWPPP).
- ARCADIS has resumed with the collection of samples from the surrogate sample boxes in the sediment processing area of the UPF.

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey****Removal and loading of filter press****Loading of filter press for demobilization****Gravity thickener pad removal**

**Weekly Construction Progress Report #69  
(Continued)**

**Period:** 12/03/12 – 12/09/12

Prepared by Matthew Bowman, December 12, 2012

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



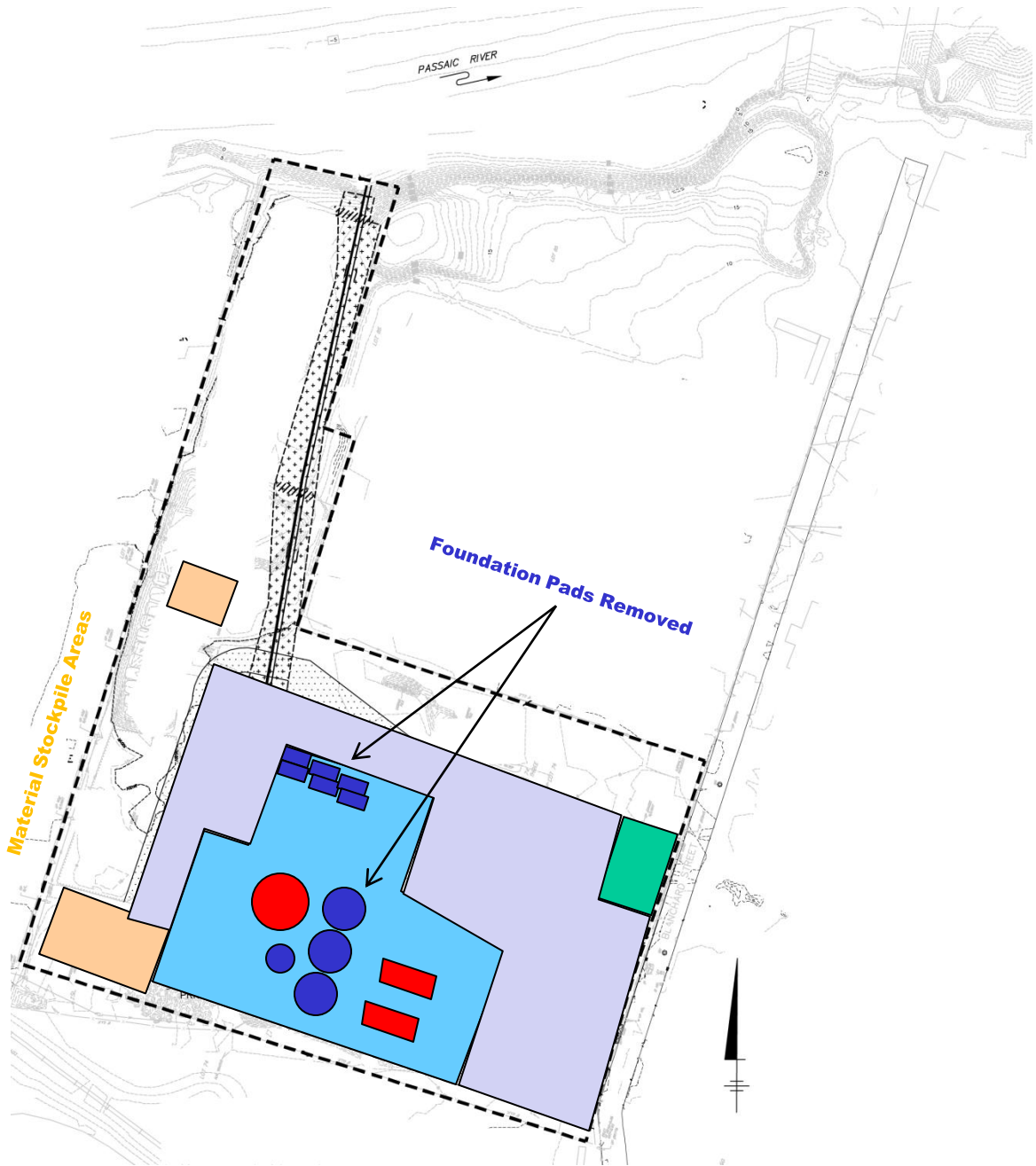
*Backfill of equipment pads*



*Rigging of filter press for removal*

**Weekly Construction Progress Report #69  
(Continued)**

**Period:** 12/03/12 – 12/09/12



**UPF Property**

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey

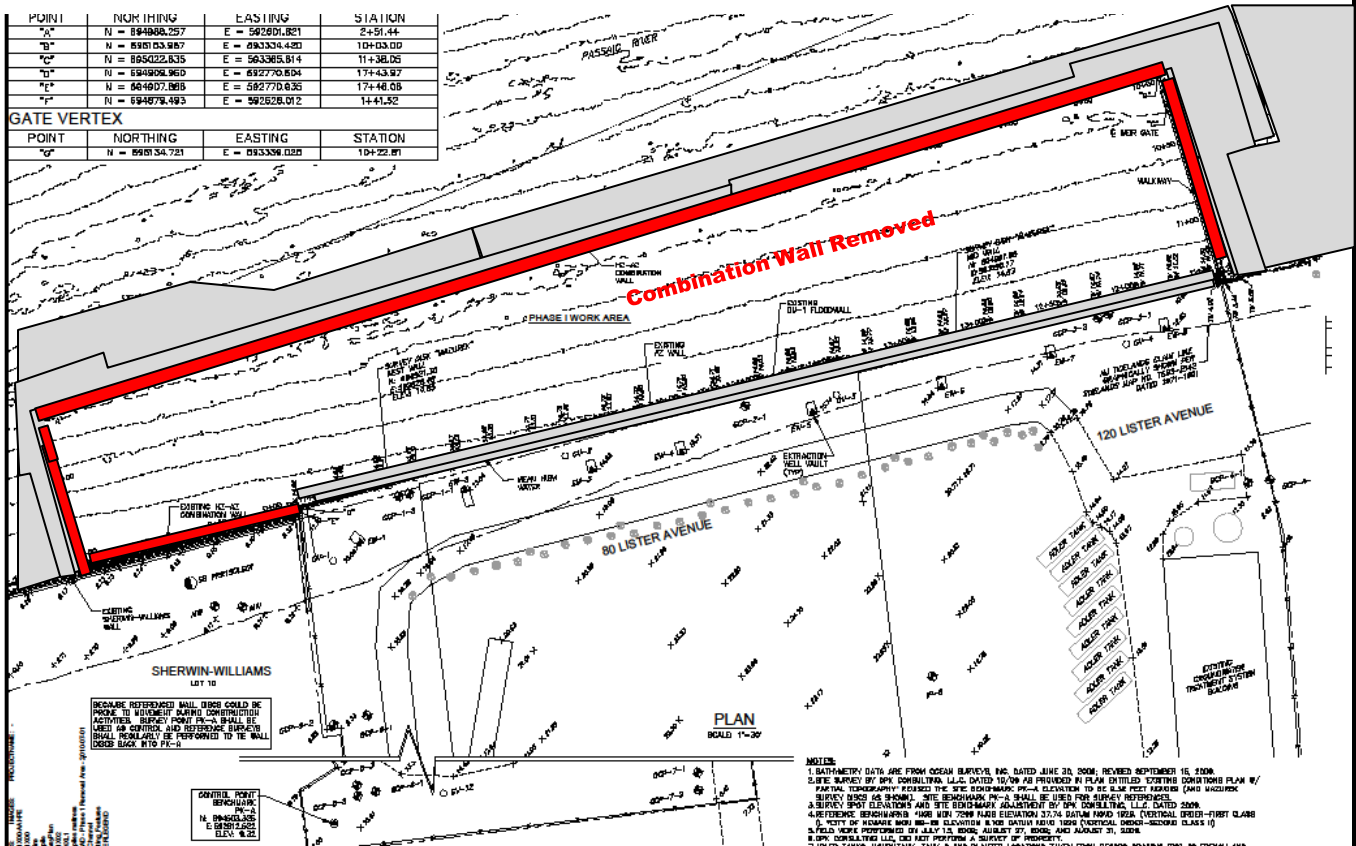
### Weekly Construction Progress Report #69 (Continued)

Period: 12/03/12 – 12/09/12

POINT	NORTHING	EASTING	STATION
"A"	N = 694866.257	E = 592501.821	2+51.44
"B"	N = 695153.887	E = 593334.420	10+33.00
"C"	N = 695022.635	E = 593365.814	11+38.05
"D"	N = 694908.960	E = 692770.604	17+43.97
"E"	N = 684907.868	E = 682770.636	17+46.08
"F"	N = 694878.493	E = 592628.012	14+1.52

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 695134.721	E = 693336.020	10+22.81



### OU-1 Property

**Weekly Construction Progress Report #70****Period:** 12/10/12 – 12/16/12**Project Work Performed:**

- Completed demobilization of the sediment processing system, including the disassembly and loading of the membrane filter presses.
- Continued with the removal of concrete pads, concrete crushing, and backfilling operations at the UPF. Mobilized and setup concrete crushing equipment.
- Continued with the removal of site support facilities at the UPF, including construction trailers.

**Planned Activities - Weeks of 12/17 and 12/24:**

- Complete removal of site support facilities at the UPF, including construction trailers.
- Complete removal of the concrete pads, concrete crushing, and backfilling operations at the UPF.
- Demobilization activities for the UPF are anticipated to be complete on or before December 22, 2012.

**Construction Quality Assurance/Safety:**

- Behavioral-based safety tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 0 (99)
  - Job Loss Analysis (JLAs) – 0 (40)
  - Near Loss – 0 (26)
  - Incidents – 0 (4) -
  - Stop Work Authority 0 – (55)
  - Estimated field man hours to date – 140,200 hours.
- Continued to complete storm water best management practice (BMP) inspections, consistent with the Storm Water Pollution Prevention Plan (SWPPP).
- ARCADIS has completed the collection of samples from the surrogate sample boxes in the sediment processing area of the UPF.

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**

*Removal of equipment pads and preparation of concrete material for crushing*



*Loading of conveyor for demobilization*



*Removal of flood damaged trailers from the site*

**Weekly Construction Progress Report #70  
(Continued)**

**Period:** 12/10/12 – 12/16/12

Prepared by Matthew Bowman, December 19, 2012

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



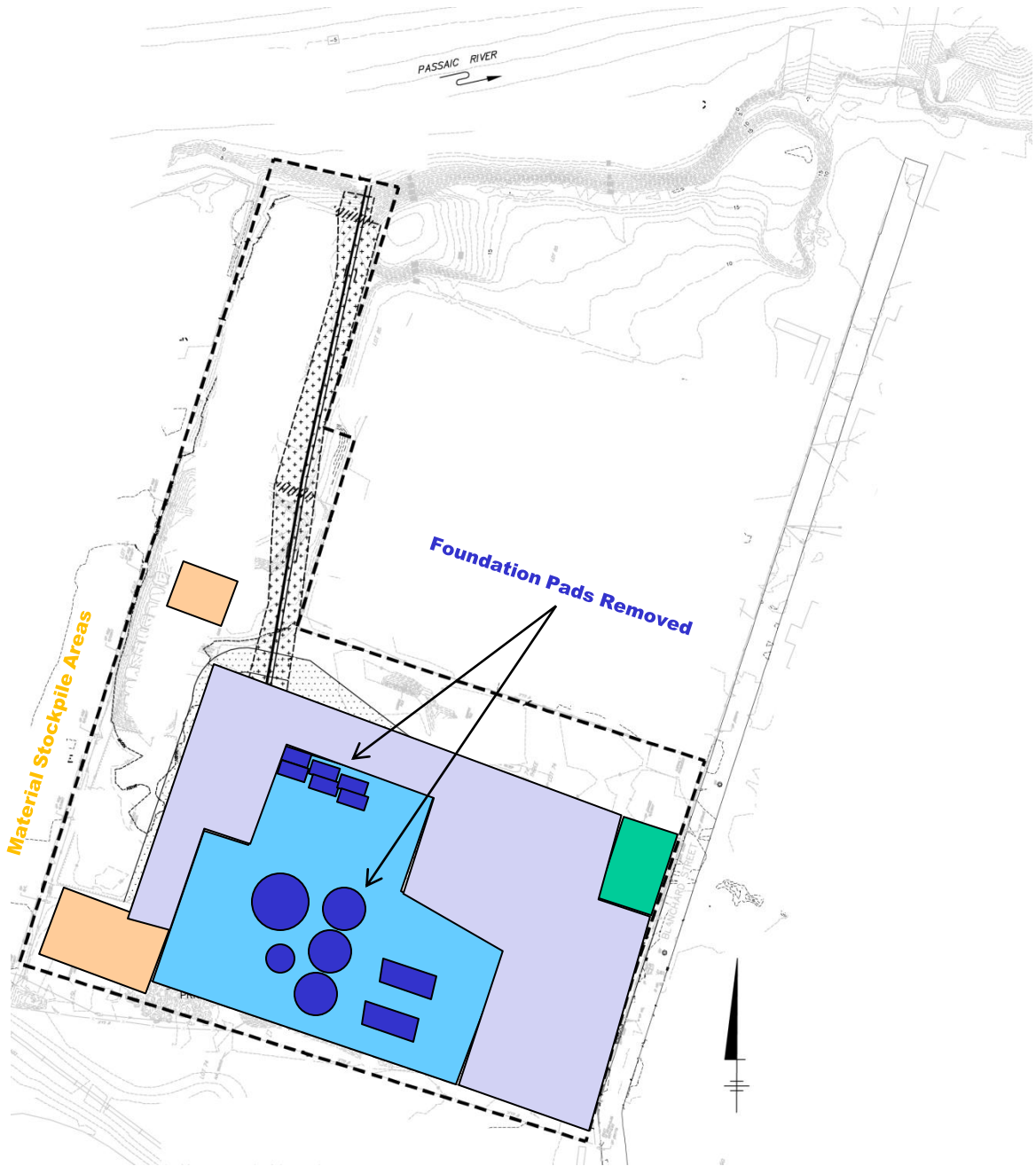
*Surrogate sampling activities*



*Breaking and removal of membrane filter press pads*

**Weekly Construction Progress Report #70  
(Continued)**

**Period:** 12/10/12 – 12/16/12



**UPF Property**

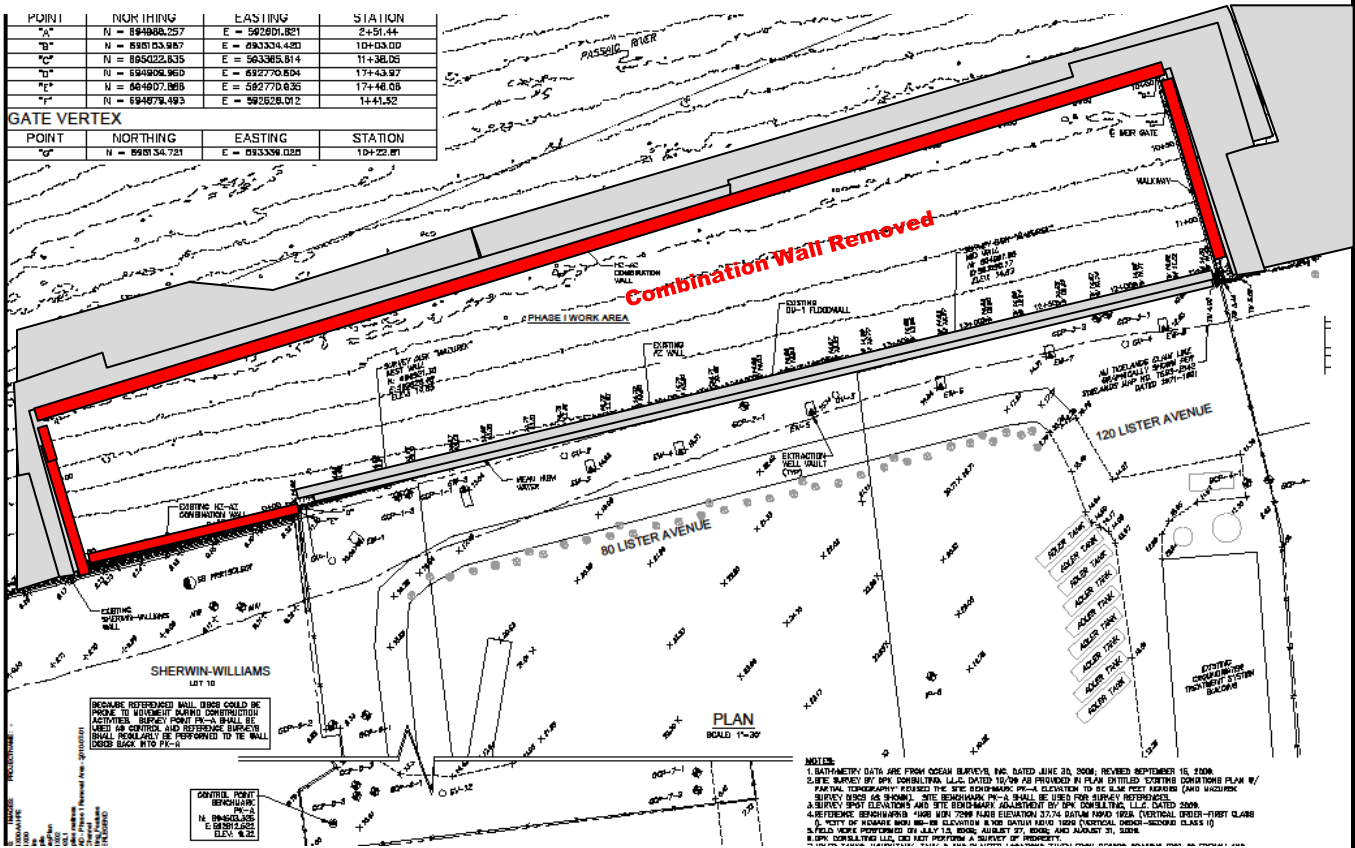
**Weekly Construction Progress Report #70  
(Continued)**

Period: 12/10/12 – 12/16/12

POINT	NORTHING	EASTING	STATION
"A"	N = 694866.257	E = 592501.821	2+51.44
"B"	N = 695033.887	E = 593334.420	10+33.00
"C"	N = 695022.635	E = 593365.814	11+38.05
"D"	N = 694908.960	E = 692770.604	17+43.97
"E"	N = 684907.868	E = 682770.636	17+46.08
"F"	N = 694878.493	E = 592628.012	14+1.52

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 690134.721	E = 693336.020	10+22.81



**OU-1 Property**





Infrastructure · Water · Environment · Buildings

### Weekly Construction Progress Report #3

Period: 07/25/11 – 08/01/11

#### Project Work Performed:

- Completed the construction of access road improvements (geoweb material and aggregate) at the 80 Lister Avenue Property (OU-1 Property).
- Continued the mobilization and setup of temporary site facilities, including electrical work for equipment and trailers at the OU-1 Property.
- Project kickoff meeting held on July 27, 2011, with USEPA, USACE, Tierra, Brown and Caldwell, Abscope, SECI, and ARCADIS staffs to coordinate UPF construction activities.
- ARCADIS completed an existing conditions survey of the UPF Property.
- ARCADIS completed a preconstruction survey for the OU-1 and Singer Realty Properties.

#### Planned Activities - Weeks of 8/1 & 8/8:

- Complete the mobilization and setup of temporary site facilities, including electrical work for equipment and trailers at the OU-1 Property.
- Begin core drilling of the OU-1 floodwall in preparation of the drilling and installation of tiebacks.
- Begin UPF site improvement mobilization and site preparation activities including establishing soil erosion and sedimentation controls; set up of temporary facilities; access road construction; and decontamination pad construction.

#### Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Loss Prevention Observation (LPO) – 1 (2)
  - Job Loss Analysis (JLAs) – 0 (10)
  - Near Loss – 1 (1)
  - Incidents – 0 (0)
  - Stop Work Authority 1 – (2)
  - Estimated field man hours - 420 hours.
- The first round of health and safety training (including LPS) is scheduled for August 1<sup>st</sup> at Weeks Marine in Cranford, New Jersey in preparation for tieback/enclosure construction activities.
- Initial bathymetry survey and background sound monitoring activities have been scheduled for the week of August 15, 2011.
- ARCADIS performed quality control confirmation sampling for the OU-1 Property improved access road.

### CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



Temporary parking area at the OU-1 Property



Off loading equipment for core drilling at OU-1 property



View of UPF Property entrance on Blanchard Street

**Weekly Construction Progress Report #3  
(Continued)**

**Period:** 07/25/11 – 08/01/11

Construction Quality Assurance/Safety (continued):

- ARCADIS has completed sampling of UPF site improvement aggregate fill materials for laboratory analysis and awaits results.
- ARCADIS performed quality control confirmation sampling for the OU-1 Property improved access road.

Prepared by Coleman King August 4, 2011

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



*Performing quality control confirmation measurements  
on improved access road at the OU-1 Property*

**Weekly Construction Progress Report #3  
(Continued)**

Period: 07/25/11 – 08/01/11



UPF Property

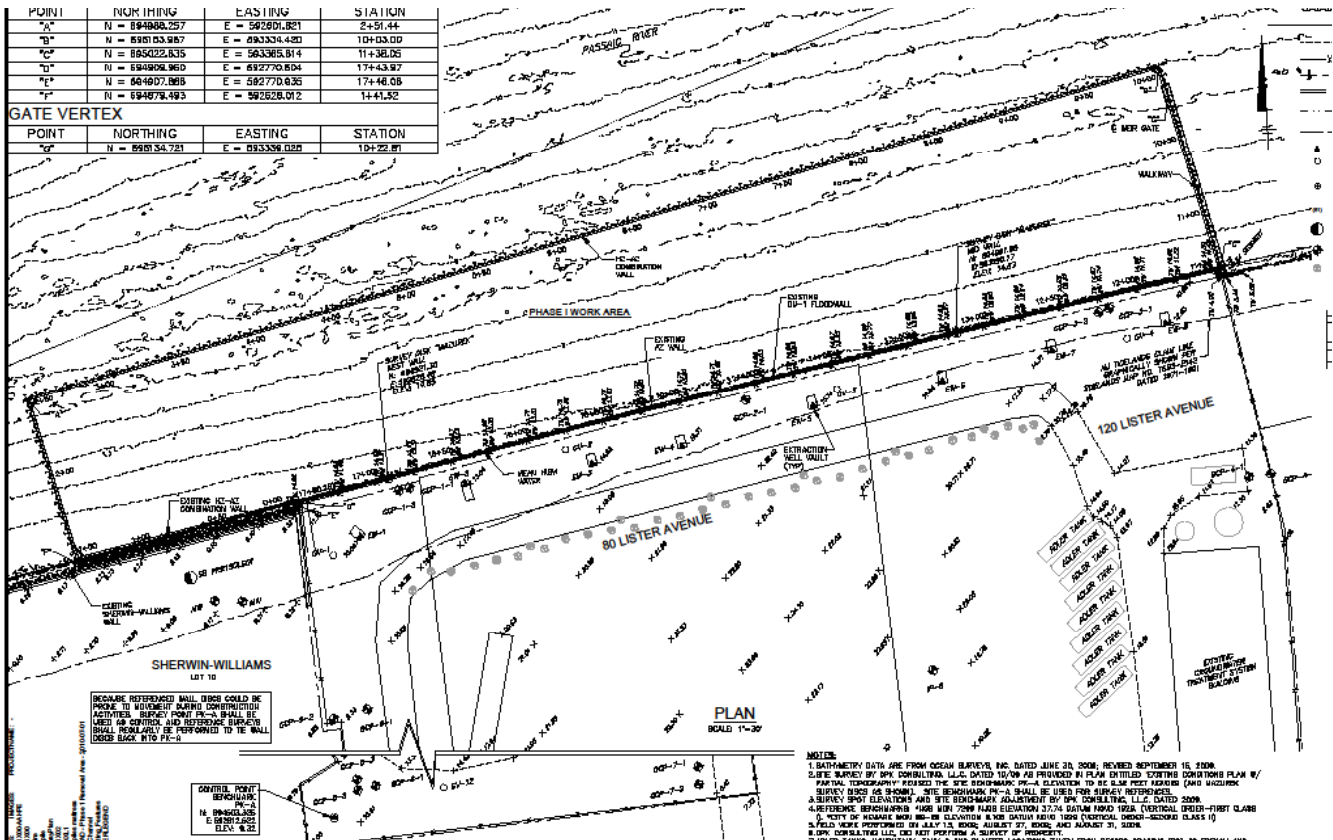
**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**

**Weekly Construction Progress Report #3  
(Continued)**

Period: 07/25/11 – 08/01/11

POINT	NORTHING	EASTING	STATION
"A"	N = 694985.257	E = 592851.351	2+51.44
"B"	N = 695153.987	E = 593334.422	10+03.00
"C"	N = 695022.635	E = 593365.614	11+38.05
"D"	N = 694906.960	E = 592770.604	17+43.97
"E"	N = 694907.885	E = 592770.635	17+48.08
"F"	N = 694878.493	E = 592628.012	14+41.52

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 695034.781	E = 593336.025	10+22.81



OU-1 Property

## Weekly Construction Progress Report #4

Period: 08/01/11 – 08/07/11

### Project Work Performed:

- Completed the mobilization and setup of temporary site facilities, including electrical work for equipment and trailers at the 80/120 Lister Avenue Property (OU-1 Property).
- Began preparation and setup work associated with the core drilling, wale installation, and tie back drilling along the OU-1 flood wall.
- Began mobilization of equipment, materials, and personnel for the Upland Processing Facility (UPF) construction
- Began site preparation activities including the installation of soil erosion and sedimentation control measures for the UPF.

### Planned Activities - Weeks of 8/8 & 8/15:

- Begin core drilling of the OU-1 floodwall in preparation of the drilling and installation of tiebacks.
- Complete the installation of soil erosion and sedimentation control measures for the UPF.
- Complete the site preparation for the project support area for construction trailers, generators, and parking at the UPF. Begin mobilization of construction trailers to the UPF.
- Complete installation of the decontamination and stockpile pads at the UPF.
- Begin excavation and grading activities for the installation of process equipment foundations and asphalt surfaces at UPF.
- Begin concrete installation activities for process equipment foundations at the UPF site.

### Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Loss Prevention Observation (LPO) – 2 (4)
  - Job Loss Analysis (JLAs) – 0 (10)
  - Near Loss – 0 (1)
  - Incidents – 0 (0)
  - Stop Work Authority 2 – (4)
  - Estimated field man hours – 1130 hours.
- Worker health and safety training (including LPS) was conducted on August 1<sup>st</sup> at Weeks Marine in Cranford, New Jersey in preparation for tieback/enclosure construction activities.
- Land survey activities continue along the OU-1 floodwall and the UPF Site.
- Initial bathymetry survey and background sound monitoring activities have been scheduled for the week of August 15, 2011.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



Shower trailer placement behind treatment building at OU-1



Workers removing platform at edge of OU-1 flood wall



Weeks man lift located along OU-1 flood wall

**Weekly Construction Progress Report #4  
(Continued)**

**Period:** 08/01/11 – 08/07/11

Construction Quality Assurance/Safety (continued):

- ARCADIS performed quality control inspection efforts for the OU-1 Property sheet bolting (shoe/wale installation).

Prepared by Coleman King, August 8, 2011

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



*Silt fence installation along southern property  
boundary at UPF site*

**Weekly Construction Progress Report #4  
(Continued)**

Period: 08/01/11 – 08/07/11



**UPF Property**

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey

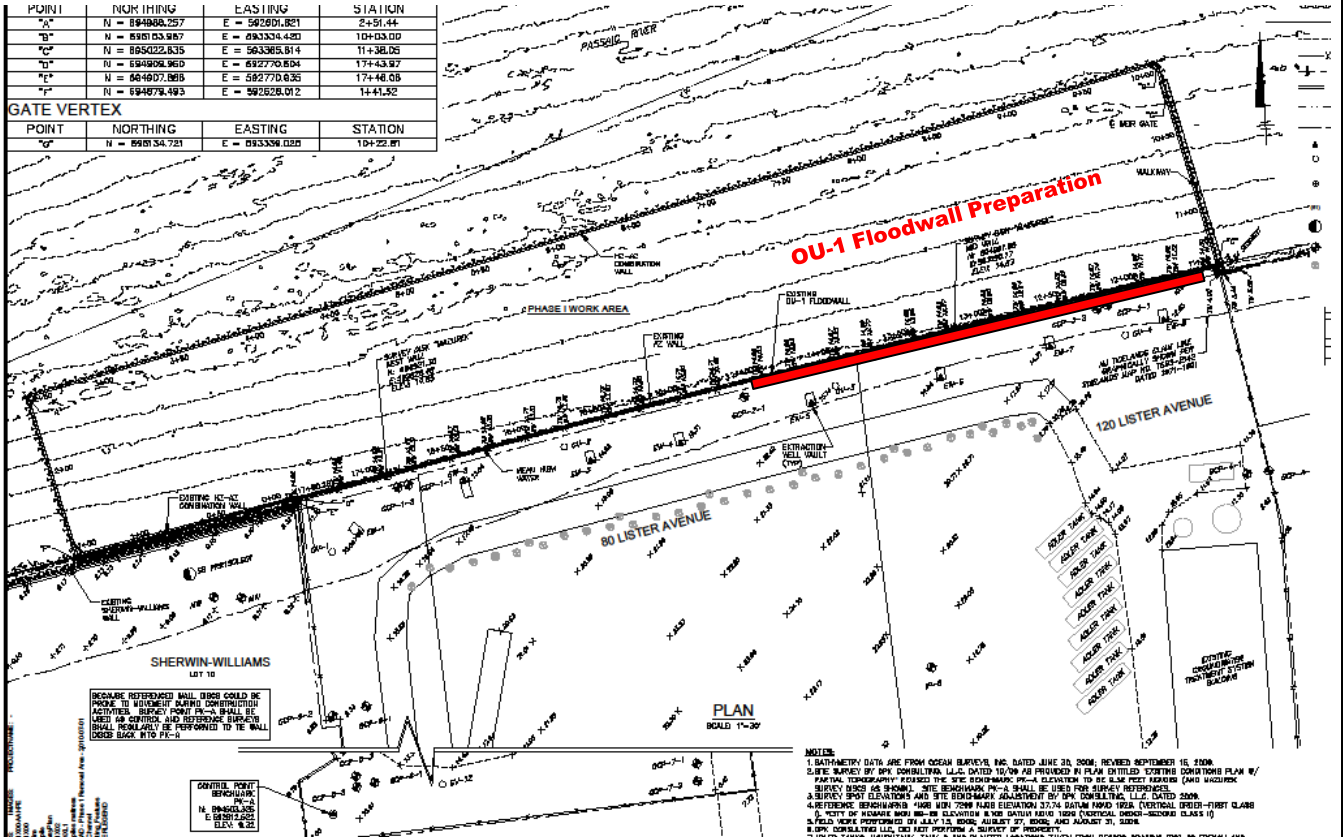
### Weekly Construction Progress Report #4 (Continued)

Period: 08/01/11 – 08/07/11

POINT	NORTHING	EASTING	STATION
"A"	N = 894985.257	E = 592851.351	2+51.44
"B"	N = 895153.887	E = 593336.422	10+03.00
"C"	N = 895022.635	E = 593365.514	11+38.05
"D"	N = 894904.960	E = 592770.604	17+43.97
"E"	N = 864607.888	E = 592770.636	17+48.08
"F"	N = 894678.493	E = 592628.012	14+41.92

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 898134.721	E = 593336.020	10+22.81



### OU-1 Property



## Weekly Construction Progress Report #5

Period: 08/08/11 – 08/14/11

### Project Work Performed:

- Began 80/120 Lister Avenue Property (OU-1) flood wall preparation for wale installation including the bolting and modification of existing steel sheeting and welding of steel shoes on the king piles.
- Began core drilling of the OU-1 flood wall in preparation of the drilling and installation of tiebacks.
- Completed the installation of soil erosion and sedimentation control measures for the Upland Processing Facility (UPF).
- Completed the site preparation for the project support area for construction trailers, generators, and parking at the UPF. Began mobilization of construction trailers to the UPF.
- Completed installation of the decontamination and stockpile pads at the UPF.
- Began excavation and grading activities for the installation of process equipment foundations and asphalt surfaces at UPF.

### Planned Activities - Weeks of 8/15 & 8/22:

- Complete bolting and modification of existing steel sheeting and welding of steel shoes on the king piles.
- Continue core drilling of the OU-1 floodwall in preparation of the drilling and installation of tiebacks.
- Continue mobilization of construction trailers and project support equipment to the UPF.
- Complete excavation and grading activities for the installation of process equipment foundations and asphalt surfaces at UPF.
- Begin concrete installation activities for process equipment foundations at the UPF site.

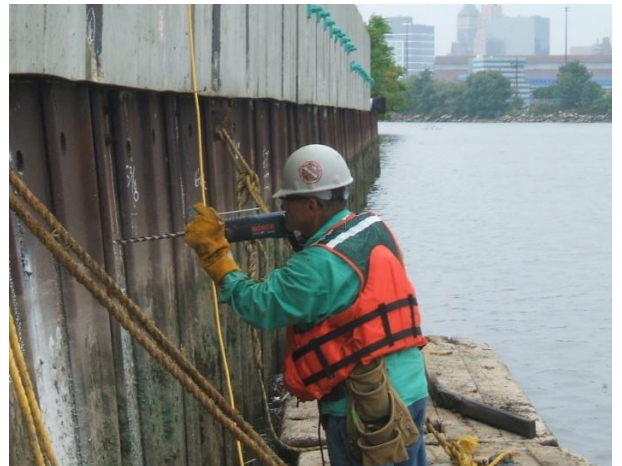
### Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Loss Prevention Observation (LPO) – 3 (7)
  - Job Loss Analysis (JLAs) – 1 (11)
  - Near Loss – 0 (1)
  - Incidents – 0 (0)
  - Stop Work Authority 0 – (4)
  - Estimated field man hours – 2340 hours.
- Land survey activities continue along the OU-1 floodwall and at the UPF Site.
- Initial bathymetry survey and background sound monitoring activities will be performed during the week of August 15, 2011.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Coring of the OU-1 flood wall*



*Drilling for pinning steel sheeting*



*Compacting subgrade for sediment processing pad construction*

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area**

**Weekly Construction Progress Report #5  
(Continued)**

**Period:** 08/08/11 – 08/14/11

Construction Quality Assurance/Safety (continued):

- ARCADIS continues to perform quality control inspection activities for the OU-1 Property sheet bolting (shoe /wale installation).
- Limited overexcavation and replacement of a portion of the sediment processing area is being performed to replace underlying soils that failed proof rolling.

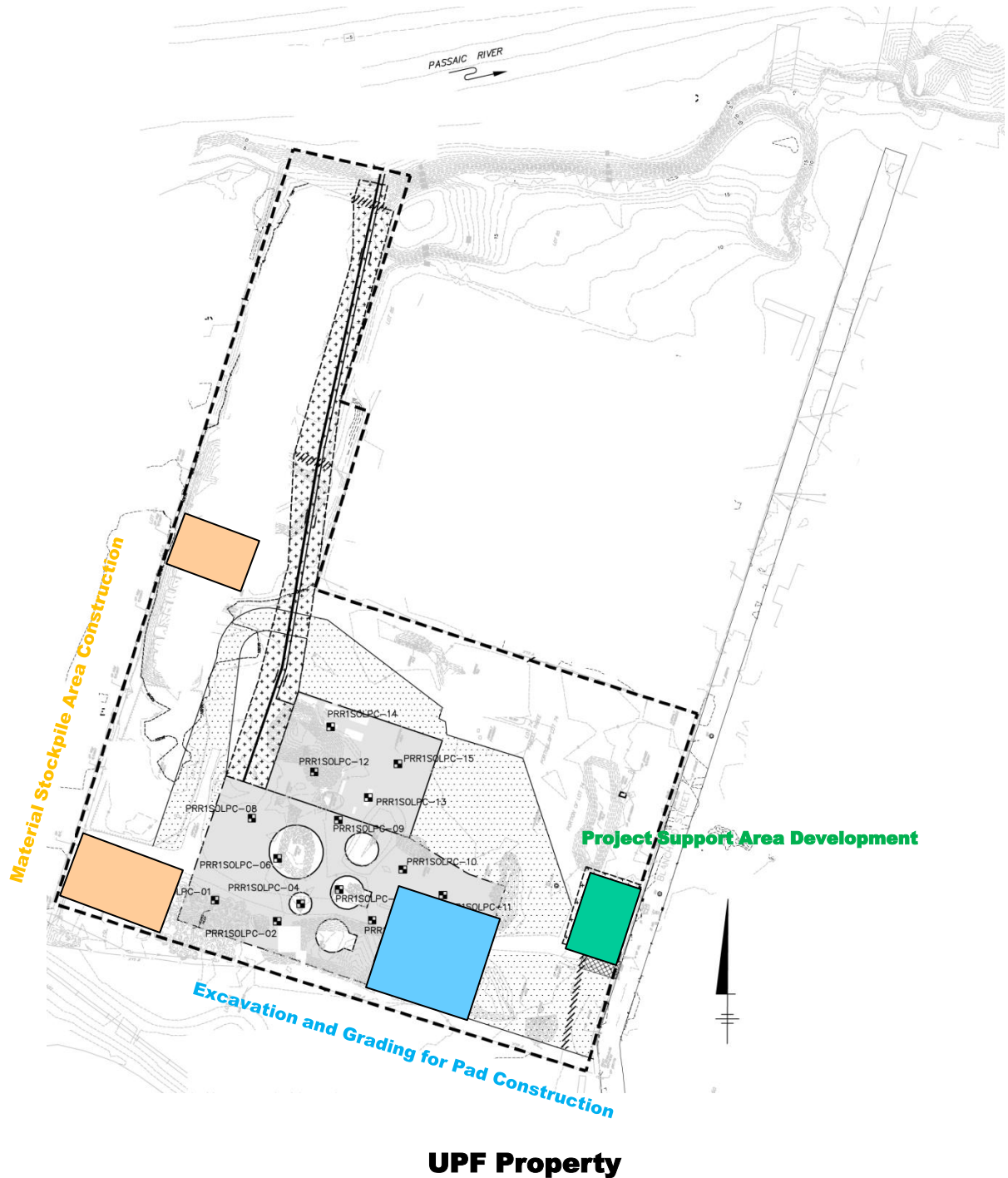
Prepared by Matthew Bowman, August 16, 2011



*UPF material stockpile pad*

**Weekly Construction Progress Report #5  
(Continued)**

**Period:** 08/08/11 – 08/14/11



## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey

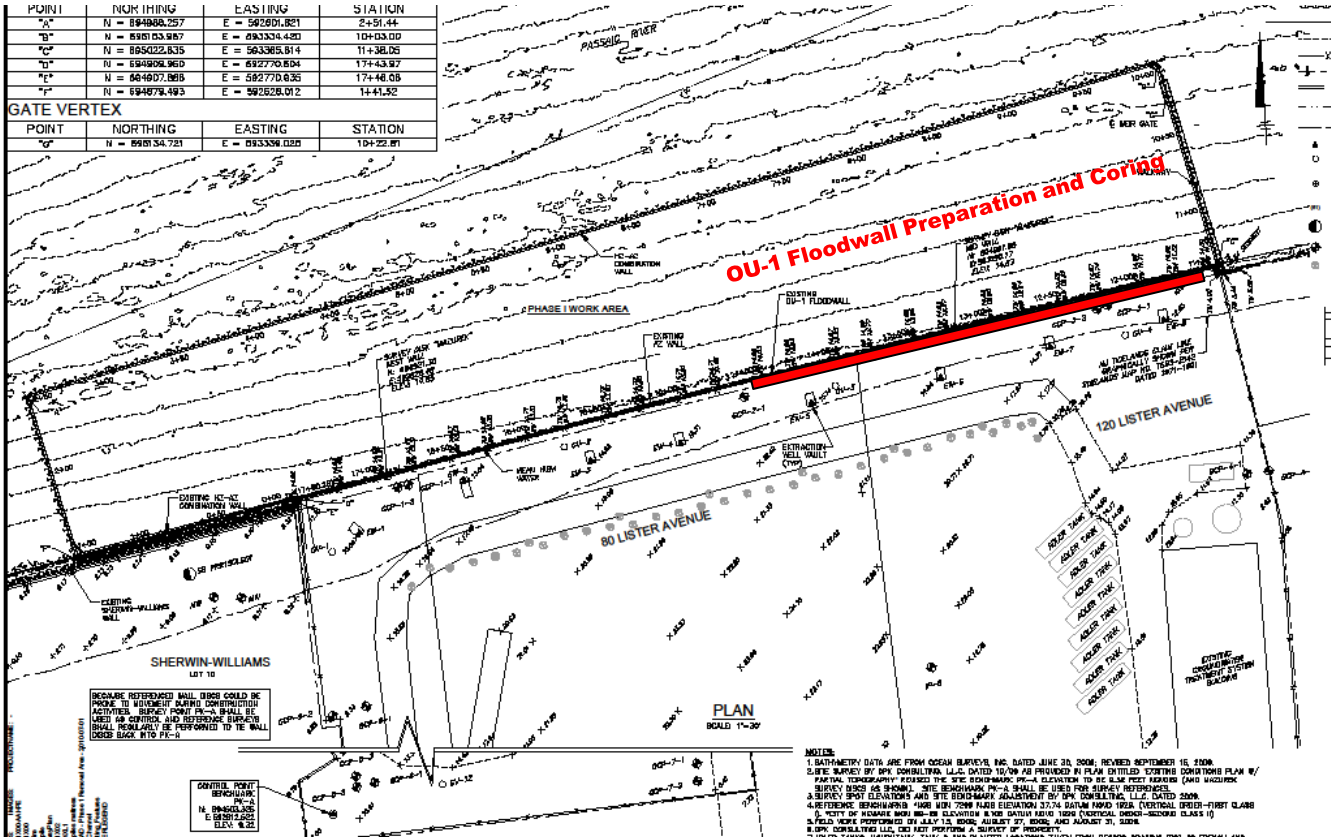
### Weekly Construction Progress Report #5 (Continued)

Period: 08/08/11 – 08/14/11

POINT	NORTHING	EASTING	STATION
"A"	N = 894985.257	E = 592851.851	2+51.44
"B"	N = 895153.887	E = 593336.422	10+03.00
"C"	N = 895022.635	E = 593365.814	11+38.05
"D"	N = 894904.960	E = 592770.804	17+43.97
"E"	N = 864607.888	E = 582770.636	17+48.08
"F"	N = 894678.493	E = 592628.012	14+41.92

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 898134.721	E = 593336.020	10+22.81



### OU-1 Property

**Weekly Construction Progress Report #6****Period:** 08/15/11 – 08/21/11Project Work Performed:

- Continued 80/120 Lister Avenue Property (OU-1) flood wall preparation for wale installation including the bolting and modification of existing steel sheeting and welding of steel shoes on the king piles.
- Continued core drilling of the OU-1 flood wall in preparation of the drilling and installation of tiebacks.
- Began excavation and grading activities for the installation of process equipment foundations and asphalt surfaces at the Upland Processing Facility (UPF).
- Continued mobilization of construction trailers and support equipment to the UPF.

Planned Activities - Weeks of 8/22 & 8/30:

- Complete bolting and modification of existing steel sheeting and welding of steel shoes on the king piles.
- Continue core drilling of the OU-1 floodwall in preparation of the drilling and installation of tiebacks.
- Continue mobilization of construction trailers and project support equipment to the UPF. Complete electrical connection of the construction trailers to the generator.
- Complete excavation and grading activities for the installation of process equipment foundations and asphalt surfaces at UPF.
- Continue concrete installation activities for process equipment foundations at the UPF site.

Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Loss Prevention Observation (LPO) – 4 (13)
  - Job Loss Analysis (JLAs) – 1 (12)
  - Near Loss – 0 (1)
  - Incidents – 1 (1) – Weeks employee slipped and fell on a step on the back of a tool trailer and lacerated his ear. Root cause investigation and corrective action implementation is ongoing.
  - Stop Work Authority 2 – (7)
  - Estimated field man hours – 3,785 hours.
- Land survey activities continue along the OU-1 floodwall and at the UPF Site.
- Initial bathymetry survey and background sound monitoring activities was completed by OSI during the week of August 15, 2011.

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey***Formwork for the south filter press pad**Excavation and grading of UPF soils**Shoe for the wale installed on the OU-1 flood wall*

**Weekly Construction Progress Report #6  
(Continued)**

**Period:** 08/15/11 – 08/21/11

Construction Quality Assurance/Safety (continued):

- ARCADIS continues to perform quality control inspection activities for the OU-1 Property sheet bolting (shoe /wale installation).
- Limited overexcavation and replacement of a portion of the sediment processing area was performed to replace underlying soils that failed proof rolling under the north filter press pad. No additional areas have failed proof rolling to date.

Prepared by Matthew Bowman, August 23, 2011

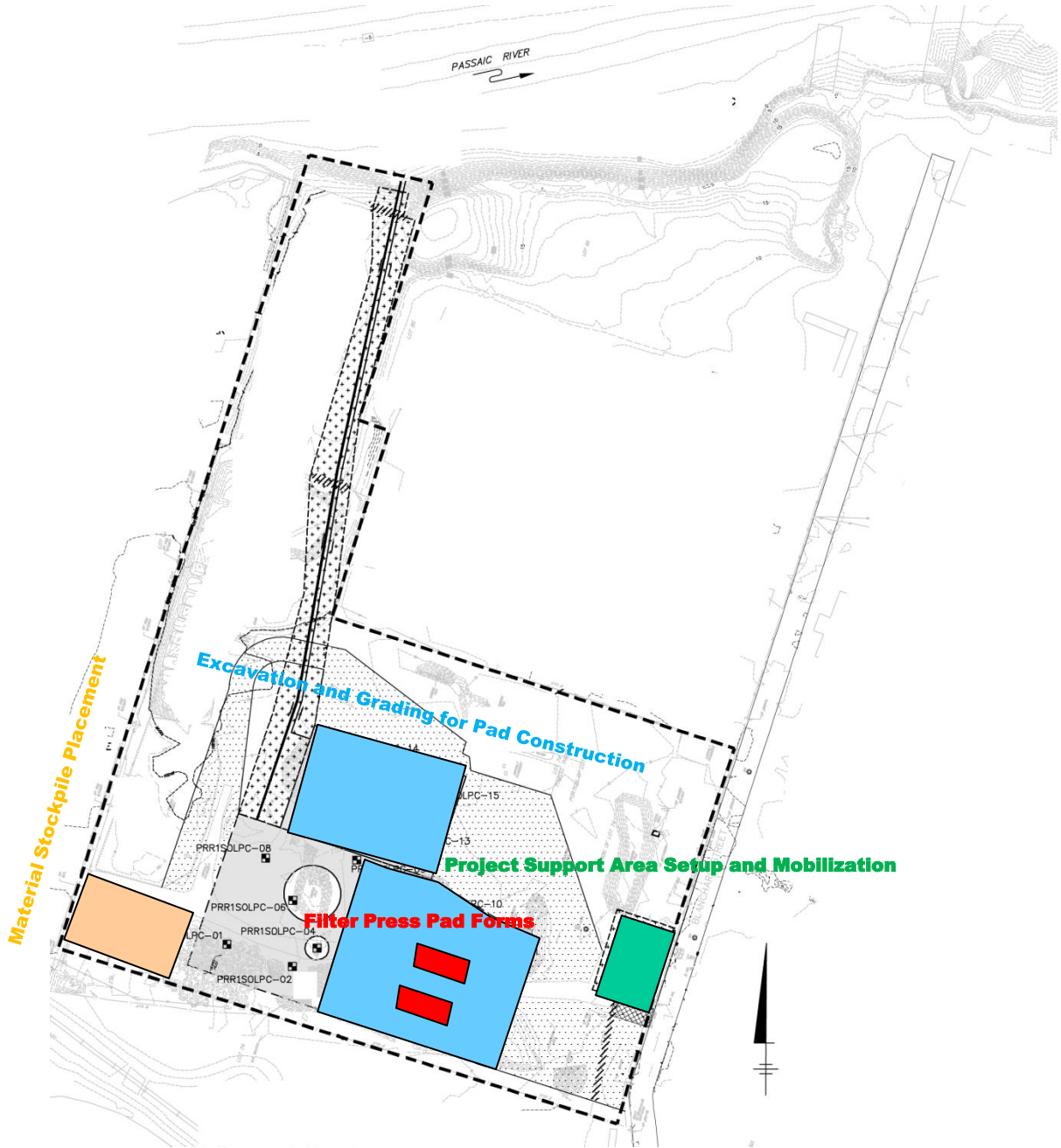
**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



*Proof rolling subgrade materials at the UPF*

**Weekly Construction Progress Report #6  
(Continued)**

Period: 08/15/11 – 08/21/11



**UPF Property**

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey

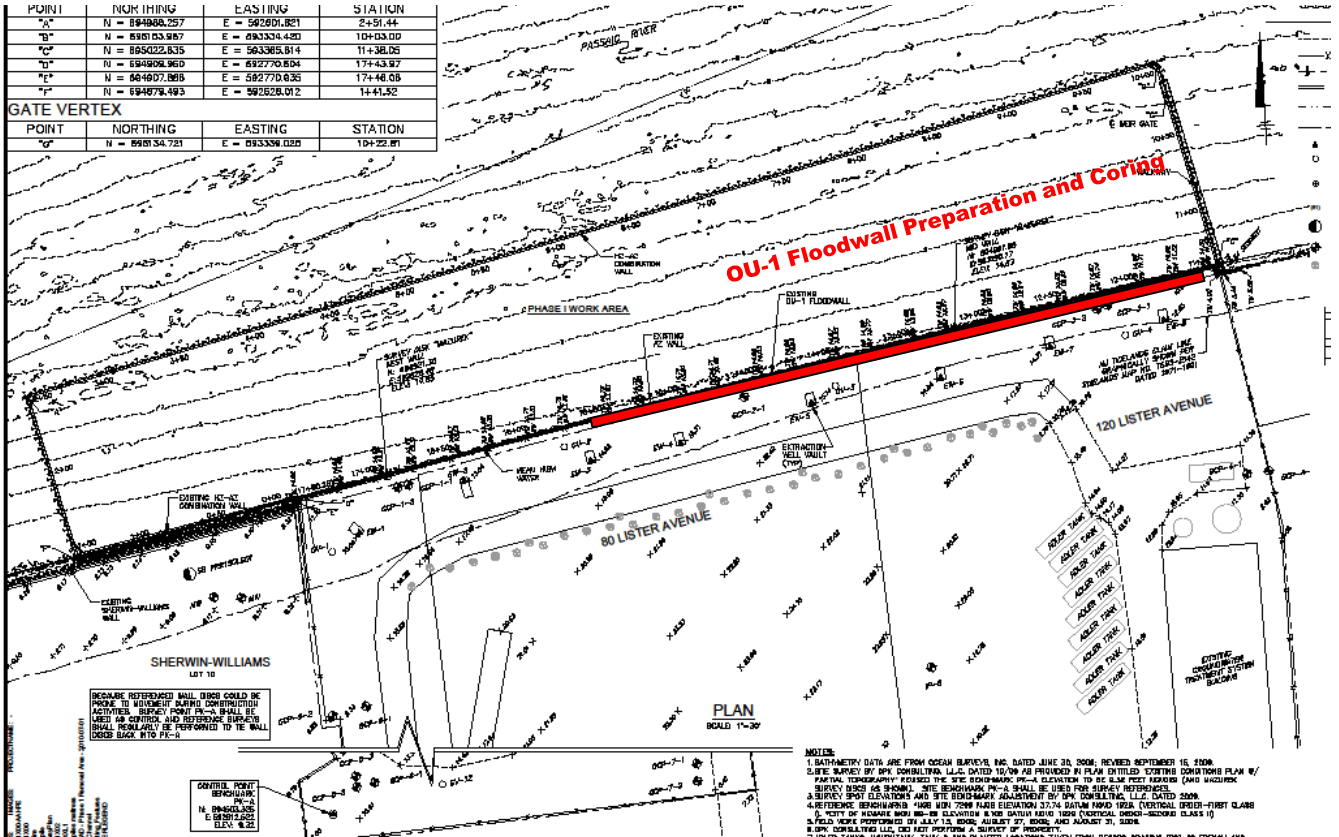
### Weekly Construction Progress Report #6 (Continued)

Period: 08/15/11 – 08/21/11

POINT	NORTHING	EASTING	STATION
"A"	N = 894985.257	E = 592851.851	2+51.44
"B"	N = 895153.887	E = 593336.422	10+03.00
"C"	N = 895022.635	E = 593365.814	11+38.05
"D"	N = 894904.960	E = 592770.804	17+43.97
"E"	N = 864607.888	E = 582770.636	17+48.08
"F"	N = 894678.493	E = 592628.012	14+41.92

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 898134.721	E = 593336.020	10+22.81



### OU-1 Property



**Weekly Construction Progress Report #7****Period:** 08/22/11 – 08/28/11Project Work Performed:

- Continued 80/120 Lister Avenue Property (OU-1) flood wall preparation for wale installation including the bolting and modification of existing steel sheeting and welding of steel shoes on the king piles.
- Continued core drilling of the OU-1 flood wall in preparation of the drilling and installation of tiebacks.
- Continue excavation and grading activities for the installation of process equipment foundations and asphalt surfaces at the Upland Processing Facility (UPF).
- Complete concrete installation activities for the membrane filter presses.
- Continued mobilization of construction trailers and support equipment to the UPF.

Planned Activities - Weeks of 8/29 & 9/5:

- Complete bolting and modification of existing steel sheeting and welding of steel shoes on the king piles.
- Continue core drilling of the OU-1 floodwall in preparation of the drilling and installation of tiebacks.
- Continue mobilization of construction trailers and project support equipment to the UPF. Complete electrical connection of the construction trailers to the generator.
- Complete excavation and grading activities for the installation of process equipment foundations and asphalt surfaces at UPF.
- Continue concrete installation activities for process equipment foundations at the UPF site.
- Begin installation of piping and catch basins for the UPF storm water collection system.

Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Loss Prevention Observation (LPO) – 3 (14)
  - Job Loss Analysis (JLAs) – 0 (12)
  - Near Loss – 2 (3)
  - Incidents – 0 (1)
  - Stop Work Authority 2 – (9)
  - Estimated field man hours – 5,560 hours.
- Land survey activities continue along the OU-1 floodwall and at the UPF Site.
- Jersey Essay Labs collected concrete cylinders during the concrete pours for the membrane filter press pads for compressive strength testing.

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey***North filter press pad poured and screed**Concrete pour for the south filter press pad**View into a concrete core into the OU-1 Floodwall*

**Weekly Construction Progress Report #7  
(Continued)**

**Period:** 08/22/11 – 08/28/11

Construction Quality Assurance/Safety (continued):

- ARCADIS continues to perform quality control inspection activities for the OU-1 Property sheet bolting (shoe /wale installation).
- Site preparations of the OU-1 Property and UPF for Hurricane Irene were made on Friday, August 26, 2011. Preparations included the removal of all floats and equipment from the water, anchoring of the construction trailers, securing of loose equipment and materials, and consolidation of heavy equipment at the higher elevations of the Site. Fortunately, due to these preparations the impact of Hurricane Irene was limited. No permanent damage to structures or work has been observed at the Site.

Prepared by Matthew Bowman, August 30, 2011

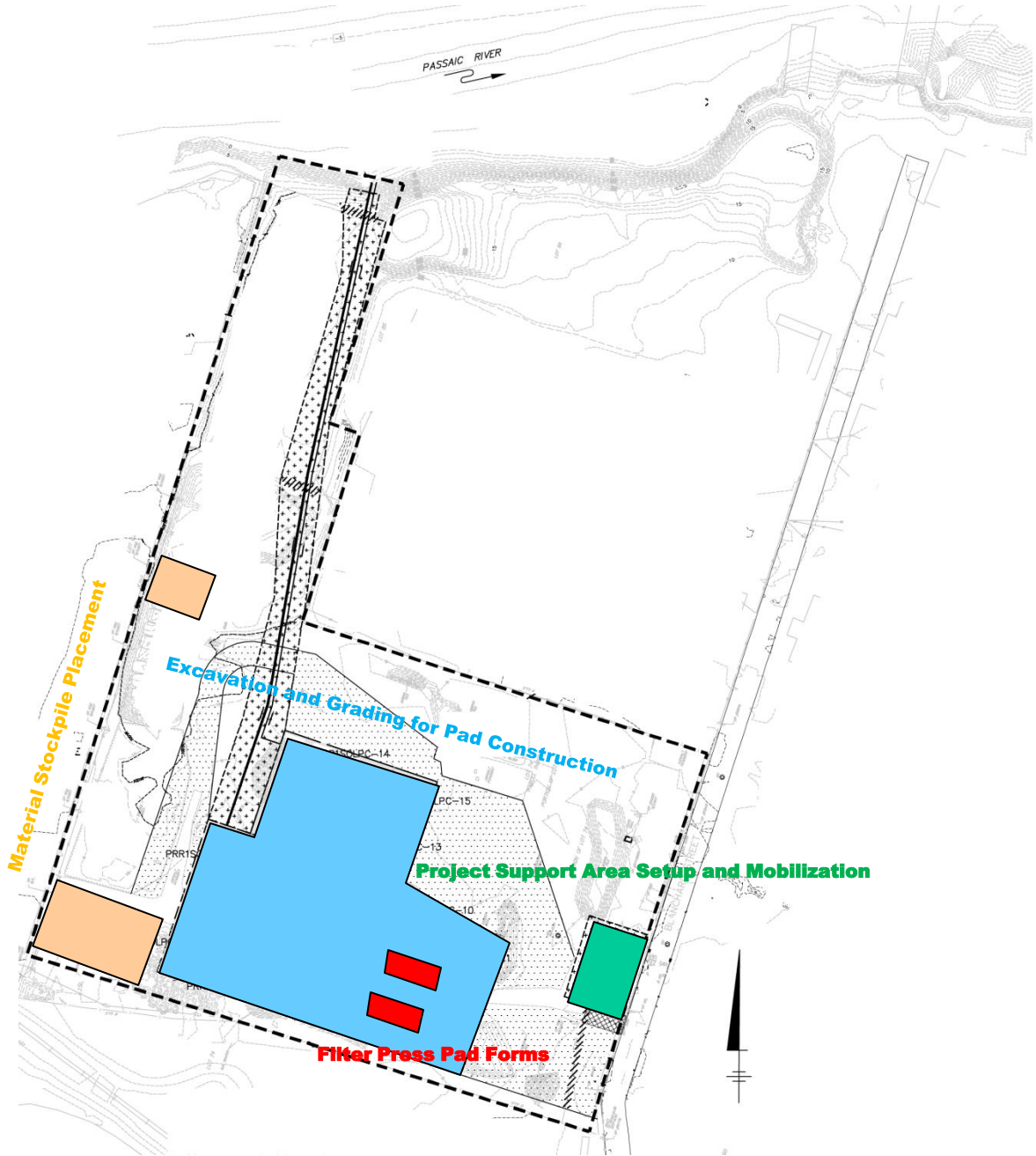
**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



*Work areas along the OU-1 Floodwall*

**Weekly Construction Progress Report #7  
(Continued)**

Period: 08/22/11 – 08/28/11



**UPF Property**

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey

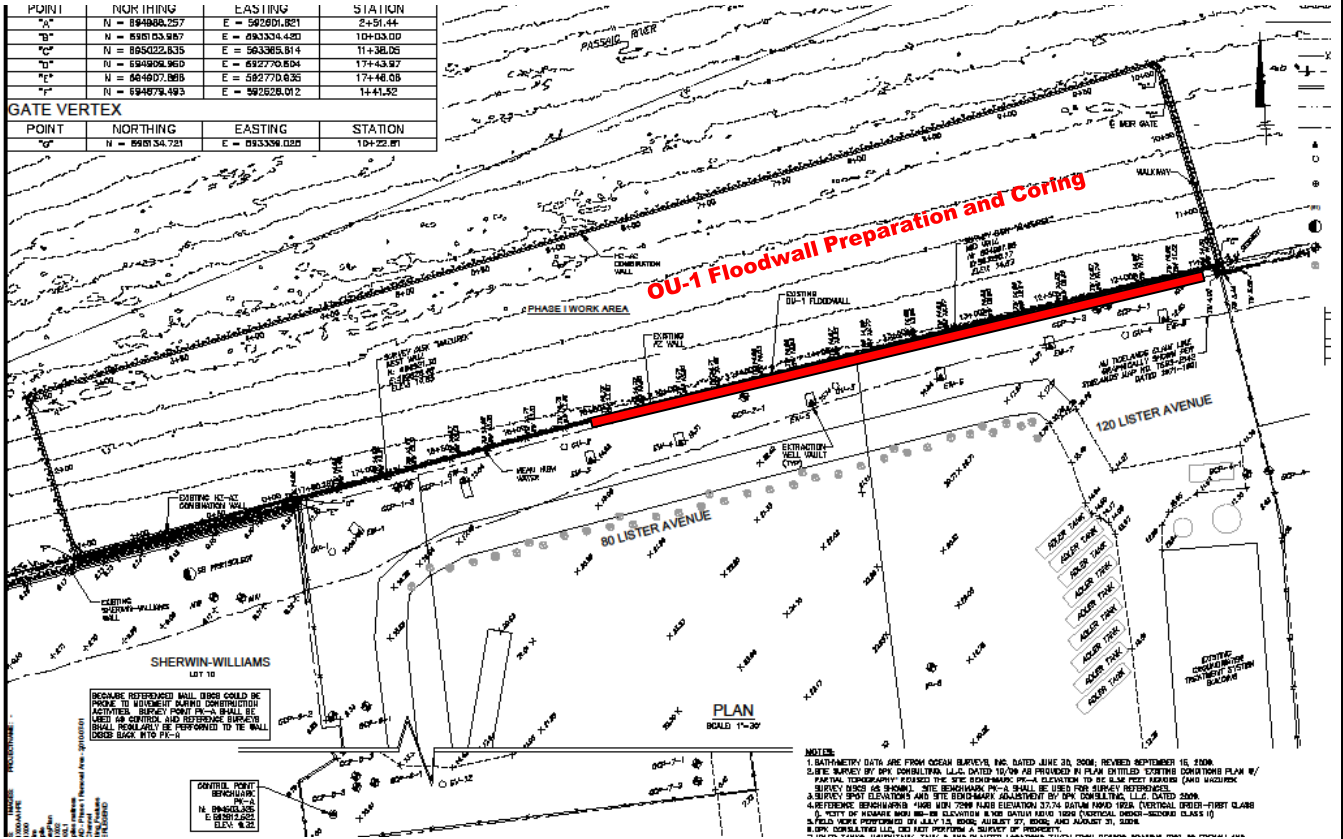
### Weekly Construction Progress Report #7 (Continued)

Period: 08/22/11 – 08/28/11

POINT	NORTHING	EASTING	STATION
"A"	N = 894985.257	E = 592851.351	2+51.44
"B"	N = 895153.987	E = 593336.422	10+03.00
"C"	N = 895022.635	E = 593365.514	11+38.05
"D"	N = 894904.960	E = 592770.604	17+43.97
"E"	N = 864607.888	E = 582770.635	17+48.08
"F"	N = 894678.493	E = 592628.012	14+41.92

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 898134.721	E = 593336.020	10+22.81



### OU-1 Property

**Weekly Construction Progress Report #8****Period:** 08/29/11 – 09/04/11Project Work Performed:

- Continued 80/120 Lister Avenue Property (OU-1) flood wall preparation for wale installation including the bolting and modification of existing steel sheeting and welding of steel shoes on the king piles.
- Continued core drilling of the OU-1 flood wall in preparation of the drilling and installation of tiebacks.
- Began installation of the wale for the OU-1 flood wall.
- Continue excavation and grading activities for the installation of process equipment foundations and asphalt surfaces at the Upland Processing Facility (UPF). Began installation of geotextile and liner materials for the equipment pads.
- Complete concrete installation activities for Equipment Pad 11S.

Planned Activities - Weeks of 9/5 & 9/12:

- Complete bolting and modification of existing steel sheeting and welding of steel shoes on the king piles.
- Continue core drilling of the OU-1 floodwall in preparation of the drilling and installation of tiebacks.
- Complete electrical connection of the construction trailers to the generator.
- Complete excavation and grading activities for the installation of process equipment foundations and asphalt surfaces at UPF. Continue installation of geotextile and liner materials for the equipment pads.
- Continue concrete installation activities for process equipment foundations at the UPF site.
- Begin installation of piping and catch basins for the UPF storm water collection system.

Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Loss Prevention Observation (LPO) – 2 (13)
  - Job Loss Analysis (JLAs) – 6 (18)
  - Near Loss – 0 (3)
  - Incidents – 0 (1)
  - Stop Work Authority 1 – (10)
  - Estimated field man hours – 6,925 hours.
- Land survey activities continue along the OU-1 floodwall and at the UPF Site.
- Jersey Essay Labs collected concrete cylinders during the concrete pours for Equipment Pad 11 for compressive strength testing.

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey****Concrete coring equipment installed****Shoes for OU-1 Flood Wall wale installed****Installation of concrete for Pad #11**

**Weekly Construction Progress Report #8  
(Continued)**

**Period:** 08/29/11 – 09/04/11

Construction Quality Assurance/Safety (continued):

- ARCADIS continues to perform quality control inspection activities for the OU-1 Property sheet bolting (shoe /wale installation).
- Work was performed to setup equipment and complete general cleanup activities at the Site after Hurricane Irene. Setup activities included reestablishing the work platform floats, reassembling equipment, and performing construction dewatering.

Prepared by Matthew Bowman, September 6, 2011

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



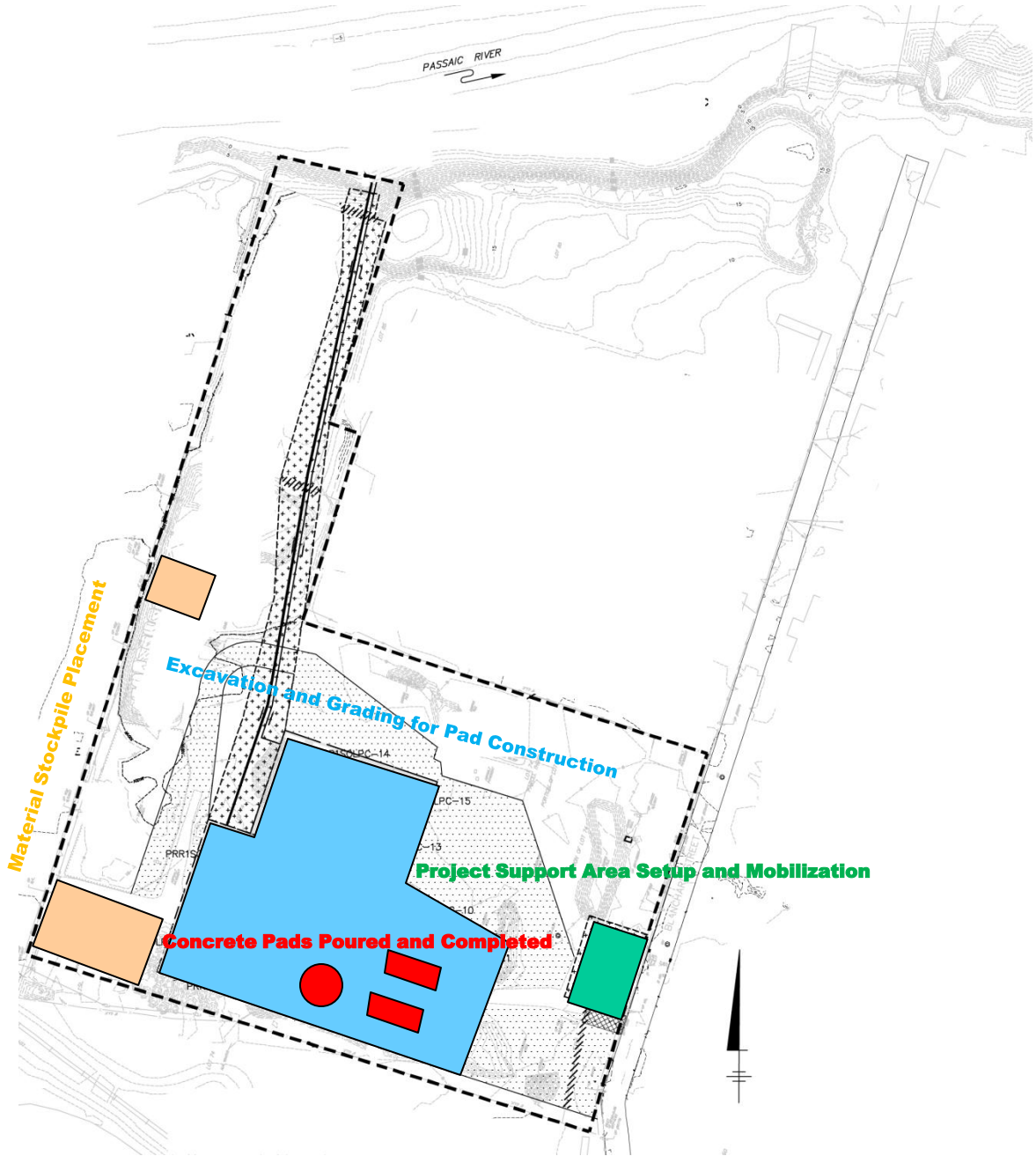
*Liner and geotextile materials during installation of Equipment Pad #8.*



*Concrete forms during installation of Equipment Pad #9.*

**Weekly Construction Progress Report #8  
(Continued)**

Period: 08/29/11 – 09/04/11



**UPF Property**

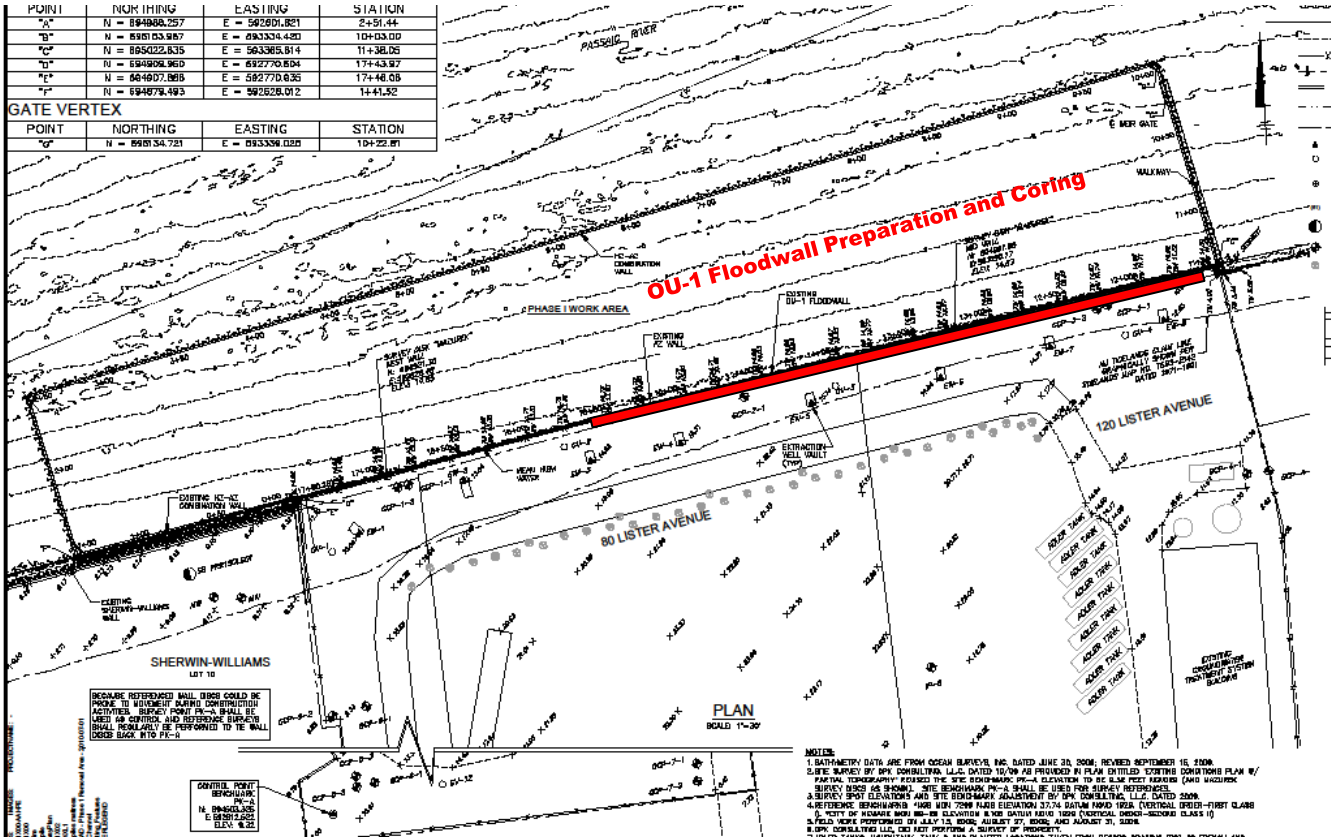
**Weekly Construction Progress Report #8  
(Continued)**

Period: 08/29/11 – 09/04/11

POINT	NORTHING	EASTING	STATION
"A"	N = 894985.257	E = 592851.851	2+51.44
"B"	N = 895153.887	E = 593336.422	10+03.00
"C"	N = 895022.635	E = 593365.814	11+38.05
"D"	N = 894904.960	E = 592770.804	17+43.97
"E"	N = 864607.888	E = 582770.636	17+48.08
"F"	N = 894878.493	E = 592628.012	14+41.92

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 898134.721	E = 593336.020	10+22.81



**OU-1 Property**



## Weekly Construction Progress Report #9

Period: 09/05/11 – 09/11/11

### Project Work Performed:

- Continued 80/120 Lister Avenue Property (OU-1) floodwall preparation for wale installation, including the bolting and modification of existing steel sheeting and welding of steel shoes on the king piles.
- Continued core drilling of the OU-1 floodwall in preparation of the drilling and installation of tiebacks.
- Continued installation of the wale for the OU-1 floodwall.
- Continued excavation and grading activities for the installation of process equipment foundations and asphalt surfaces at the Upland Processing Facility (UPF) site. Continued installation of geotextile and liner materials for the equipment pads and catch basins.
- Completed concrete installation activities for Equipment Pad 9, 11N, and the Gravity Thickener base slab at the UPF site. Continued with the installation of concrete forms and steel reinforcement for Equipment Pad 10 and the Gravity Thickener pad.
- Began installation of piping and catch basins for the storm water management system at the UPF site.
- Completed electrical connection of the construction trailers to the generator at the UPF site.

### Planned Activities - Weeks of 9/12 & 9/19:

- Complete bolting and modification of existing steel sheeting and welding of steel shoes on the king piles.
- Continue core drilling of the OU-1 floodwall in preparation of the drilling and installation of tiebacks.
- Complete excavation and grading activities for the installation of process equipment foundations and asphalt surfaces at the UPF site. Complete installation of geotextile and liner materials for the equipment pads.
- Continue concrete installation activities for process equipment foundations at the UPF site, focusing on Equipment Pad 10 and the Gravity Thickener pad.
- Complete installation of piping and catch basins for the storm water management system at the UPF site.

### Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Loss Prevention Observation (LPO) – 4 (17)
  - Job Loss Analysis (JLAs) – 0 (18)
  - Near Loss – 0 (3)
  - Incidents – 0 (1)
  - Stop Work Authority 2 – (12)
  - Estimated field man hours – 8,475 hours.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



Concrete coring of the OU-1 flood wall



Forms installed for Equipment Pad #9



Installation of concrete for Equipment Pad #9

**Weekly Construction Progress Report #9  
(Continued)**

**Period:** 09/05/11 – 09/11/11

Construction Quality Assurance/Safety (continued):

- Land survey activities continue along the OU-1 floodwall and at the UPF site.
- Jersey Essay Labs collected concrete cylinders during the concrete pours for Equipment Pad 9 and 11N at the UPF site for compressive strength testing.
- Two waste characterization samples were collected for laboratory analysis from stockpiled material at the UPF site.
- ARCADIS continues to perform quality control inspection activities for the OU-1 Property sheet bolting (shoe /wale installation).
- A pipe laser is being used for installation of storm water management piping at the UPF site and will be confirmed using deflection testing.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman, September 13, 2011

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



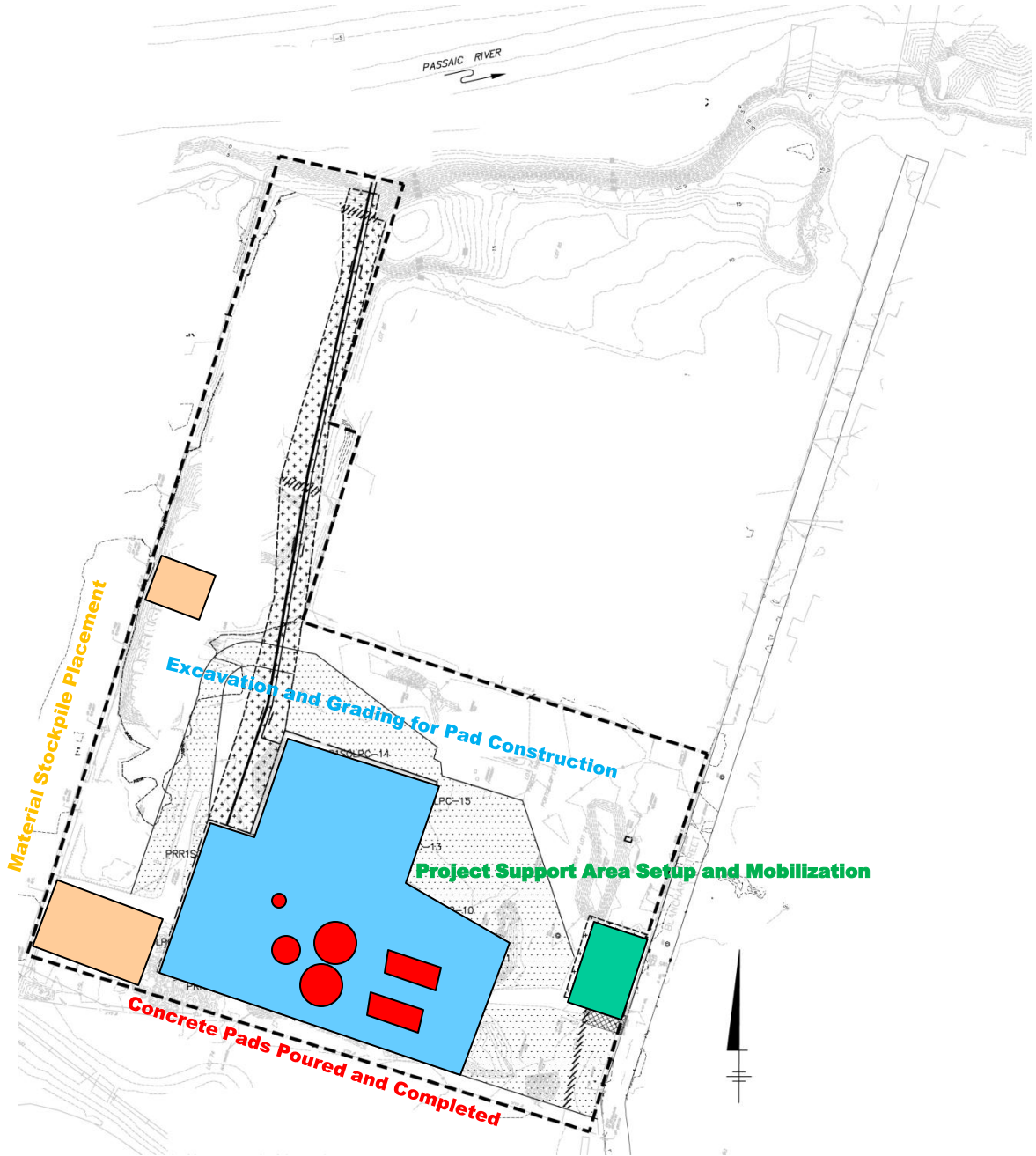
*Pump station manhole during installation*



*Gravity thickener slab base poured*

**Weekly Construction Progress Report #9  
(Continued)**

Period: 09/05/11 – 09/11/11



**UPF Property**

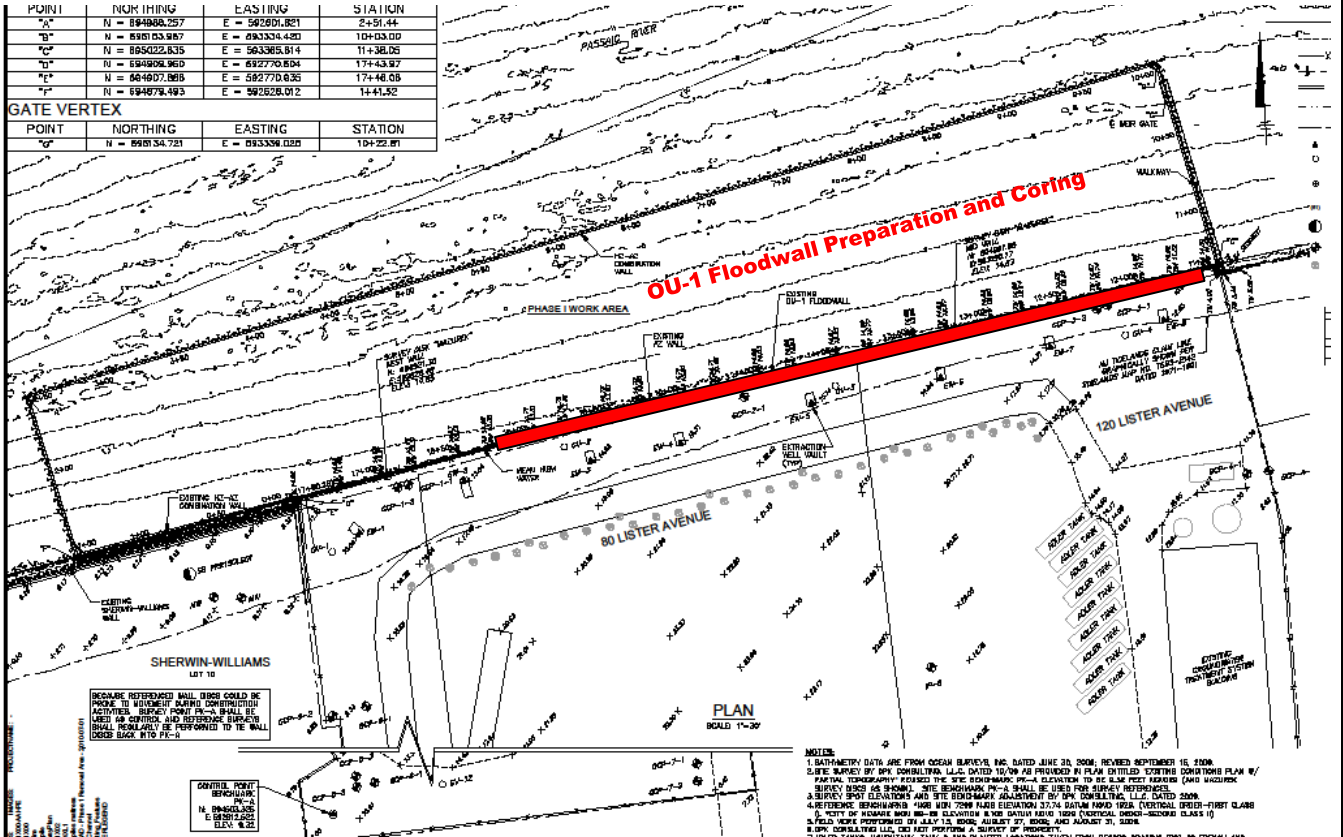
## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey

### Weekly Construction Progress Report #9 (Continued)

Period: 09/05/11 – 09/11/11

POINT	NORTHING	EASTING	STATION
"A"	N = 894985.257	E = 592851.851	2+51.44
"B"	N = 895153.887	E = 593336.422	10+03.00
"C"	N = 895022.635	E = 593365.814	11+38.05
"D"	N = 894904.960	E = 592770.804	17+43.97
"E"	N = 864607.888	E = 582770.636	17+48.08
"F"	N = 894878.493	E = 592628.012	14+41.92

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 898134.721	E = 593336.020	10+22.81



### OU-1 Property

**Weekly Construction Progress Report #10****Period:** 09/12/11 – 09/18/11Project Work Performed:

- Continued 80/120 Lister Avenue Property (OU-1) floodwall preparation for wale installation, including the bolting and modification of existing steel sheeting and welding of steel shoes on the king piles.
- Continued core drilling of the OU-1 floodwall in preparation of the drilling and installation of tiebacks.
- Continued installation of the wale for the OU-1 floodwall.
- Continued excavation and grading activities for the installation of process equipment foundations and asphalt surfaces at the Upland Processing Facility (UPF) site. Continued installation of geotextile and liner materials for the equipment pads and catch basins.
- Completed concrete installation activities for Equipment Pad 10. Continued with the installation of concrete forms and steel reinforcement for water treatment equipment and the Gravity Thickener pads.
- Continued installation of piping and catch basins for the storm water management system at the UPF site.

Planned Activities - Weeks of 9/19 & 9/26:

- Complete bolting and modification of existing steel sheeting and welding of steel shoes on the king piles.
- Continue core drilling of the OU-1 floodwall in preparation of the drilling and installation of tiebacks. Begin installation of tieback fluids pre-treatment system.
- Complete excavation and grading activities for the installation of process equipment foundations and asphalt surfaces at the UPF site. Complete installation of geotextile and liner materials for the equipment pads. Begin asphalt installation at the UPF Site.
- Complete concrete installation activities for process equipment foundations at the UPF site, including the water treatment and the Gravity Thickener pads.
- Complete installation of piping and catch basins for the storm water management system at the UPF site.

Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Loss Prevention Observation (LPO) – 3 (20)
  - Job Loss Analysis (JLAs) – 0 (18)
  - Near Loss – 2 (5)
  - Incidents – 0 (1)
  - Stop Work Authority 2 – (12)
  - Estimated field man hours – 10,175 hours.

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey***Shoes installed along the OU-1 flood wall**Wales installed along the OU-1 flood wall**Core drilling activities along the OU-1 flood wall*

**Weekly Construction Progress Report #10  
(Continued)**

**Period:** 09/12/11 – 09/18/11

Construction Quality Assurance/Safety (continued):

- Land survey activities continue along the OU-1 floodwall and at the UPF site.
- Jersey Essay Labs collected concrete cylinders during the concrete pours for Equipment Pad 10 at the UPF site for compressive strength testing.
- ARCADIS continues to perform quality control inspection activities for the OU-1 Property sheet bolting (shoe /wale installation).
- A pipe laser is being used for installation of storm water management piping at the UPF site and will be confirmed using deflection testing.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman, September 19, 2011

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



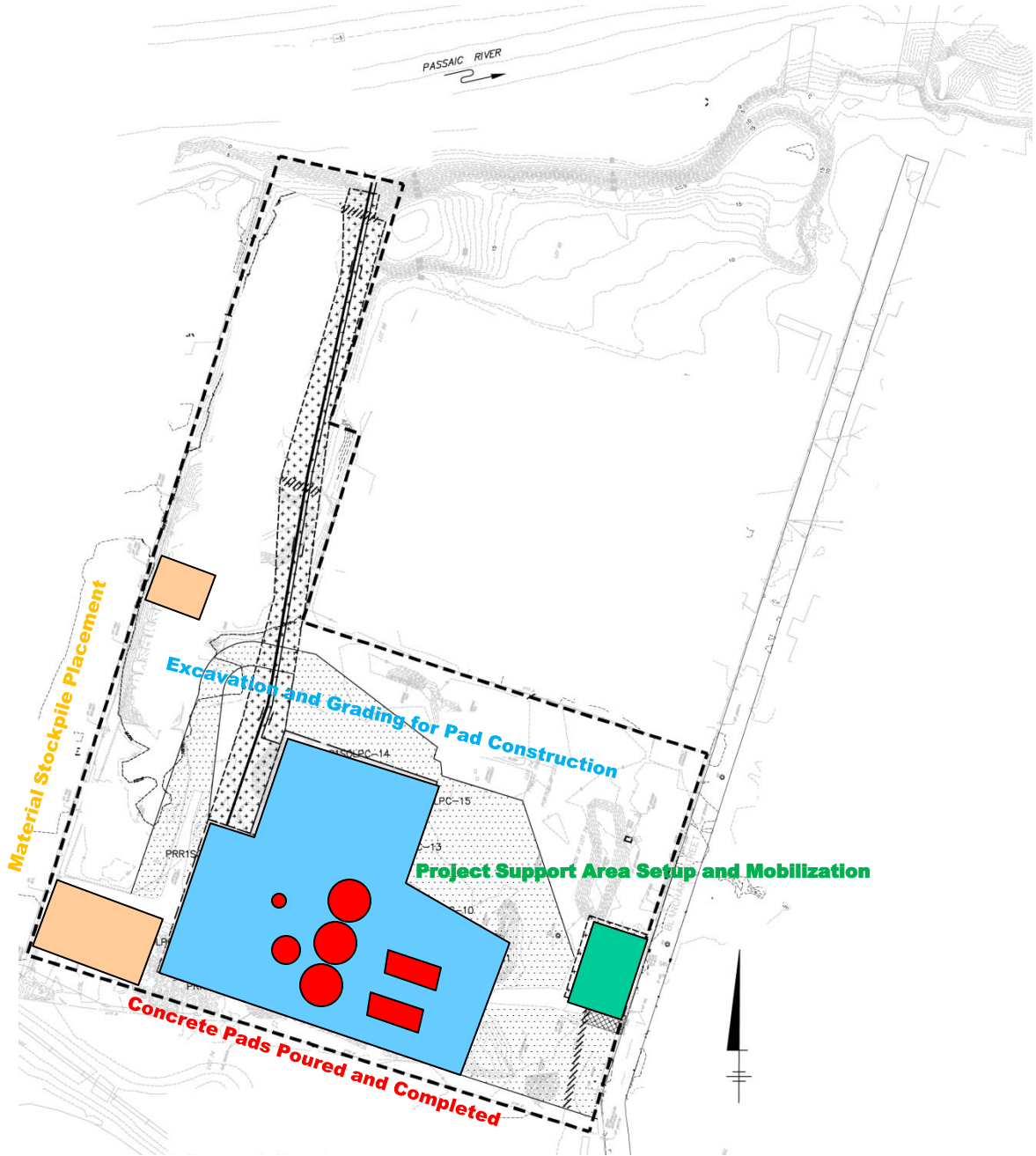
*Equipment Pad 10 prior to concrete pour*



*Reinforcement bar and forms during installation for gravity thickener*

**Weekly Construction Progress Report #10  
(Continued)**

Period: 09/12/11 – 09/18/11



**UPF Property**

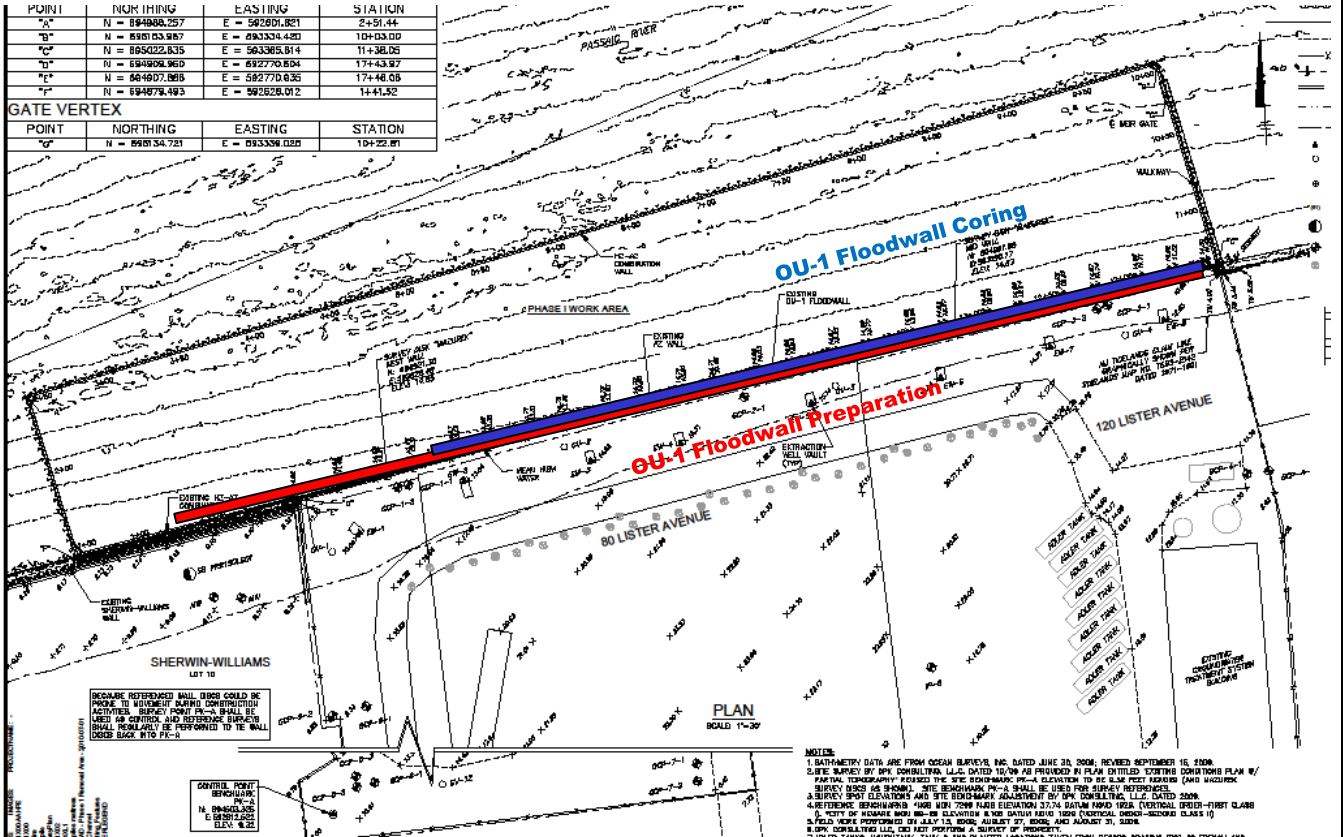
## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey

### Weekly Construction Progress Report #10 (Continued)

Period: 09/12/11 – 09/18/11

POINT	NORTHING	EASTING	STATION
"A"	N = 894985.257	E = 592851.851	2+51.44
"B"	N = 895015.887	E = 593336.422	10+03.00
"C"	N = 895022.635	E = 593365.814	11+38.05
"D"	N = 894904.960	E = 692770.804	17+43.97
"E"	N = 864607.888	E = 582770.636	17+48.08
"F"	N = 894878.493	E = 592628.012	14+41.92

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 898034.721	E = 693336.020	10+22.81



### OU-1 Property



**Weekly Construction Progress Report #11****Period:** 09/19/11 – 09/25/11Project Work Performed:

- Continued 80/120 Lister Avenue Property (OU-1) floodwall preparation for wale installation, including the bolting and modification of existing steel sheeting and welding of steel shoes on the king piles.
- Continued core drilling of the OU-1 floodwall in preparation of the drilling and installation of tiebacks. Began installation of tieback drilling fluids pre-treatment system.
- Continued installation of the wale for the OU-1 floodwall.
- Continued excavation and grading activities for the installation of process equipment foundations and asphalt surfaces at the Upland Processing Facility (UPF) site.
- Completed concrete installation activities for the Carbon Adsorber Pads. Continued with the installation of concrete forms and steel reinforcement for water treatment equipment and the Gravity Thickener pads.
- Completed installation of piping and catch basins for the storm water management system at the UPF site.

Planned Activities - Weeks of 9/26 & 10/03:

- Complete bolting and modification of existing steel sheeting and welding of steel shoes on the king piles.
- Complete core drilling of the OU-1 floodwall in preparation of the drilling and installation of tiebacks. Complete installation of tieback fluids pre-treatment system.
- Begin tieback drilling activities at the east end of the OU-1 flood wall.
- Mobilize barge mounted crane for enclosure combination wall installation. Begin the placement of approximately 2,000 cubic yards of scour protection material around the enclosure footprint.
- Complete excavation and grading activities for the installation of process equipment foundations and asphalt surfaces at the UPF site. Complete asphalt installation at the UPF Site.
- Complete concrete installation activities for process equipment foundations at the UPF site, including the water treatment and the Gravity Thickener pads.

Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Loss Prevention Observation (LPO) – 1 (21)
  - Job Loss Analysis (JLAs) – 0 (18)
  - Near Loss – 0 (5)
  - Incidents – 0 (1)
  - Stop Work Authority 2 – (14)
  - Estimated field man hours – 12,500 hours.

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey***Wale installation along the OU-1 flood wall**Construction staking of the enclosure limits**Reinforcement bar and forms for the Gravity Thickener*

**Weekly Construction Progress Report #11  
(Continued)**

**Period:** 09/19/11 – 09/25/11

Construction Quality Assurance/Safety (continued):

- Land survey activities continue along the OU-1 floodwall and at the UPF site. Initial construction staking completed for enclosure construction.
- Jersey Essay Labs collected concrete cylinders during the concrete pours for Carbon Adsorber Pads at the UPF site for compressive strength testing.
- ARCADIS continues to perform quality control inspection activities for the OU-1 Property sheet bolting (shoe /wale installation).
- Abscope began hydraulic leak testing for storm water management system.
- Compaction testing has begun for the subgrade materials in preparation of asphalt placement.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**

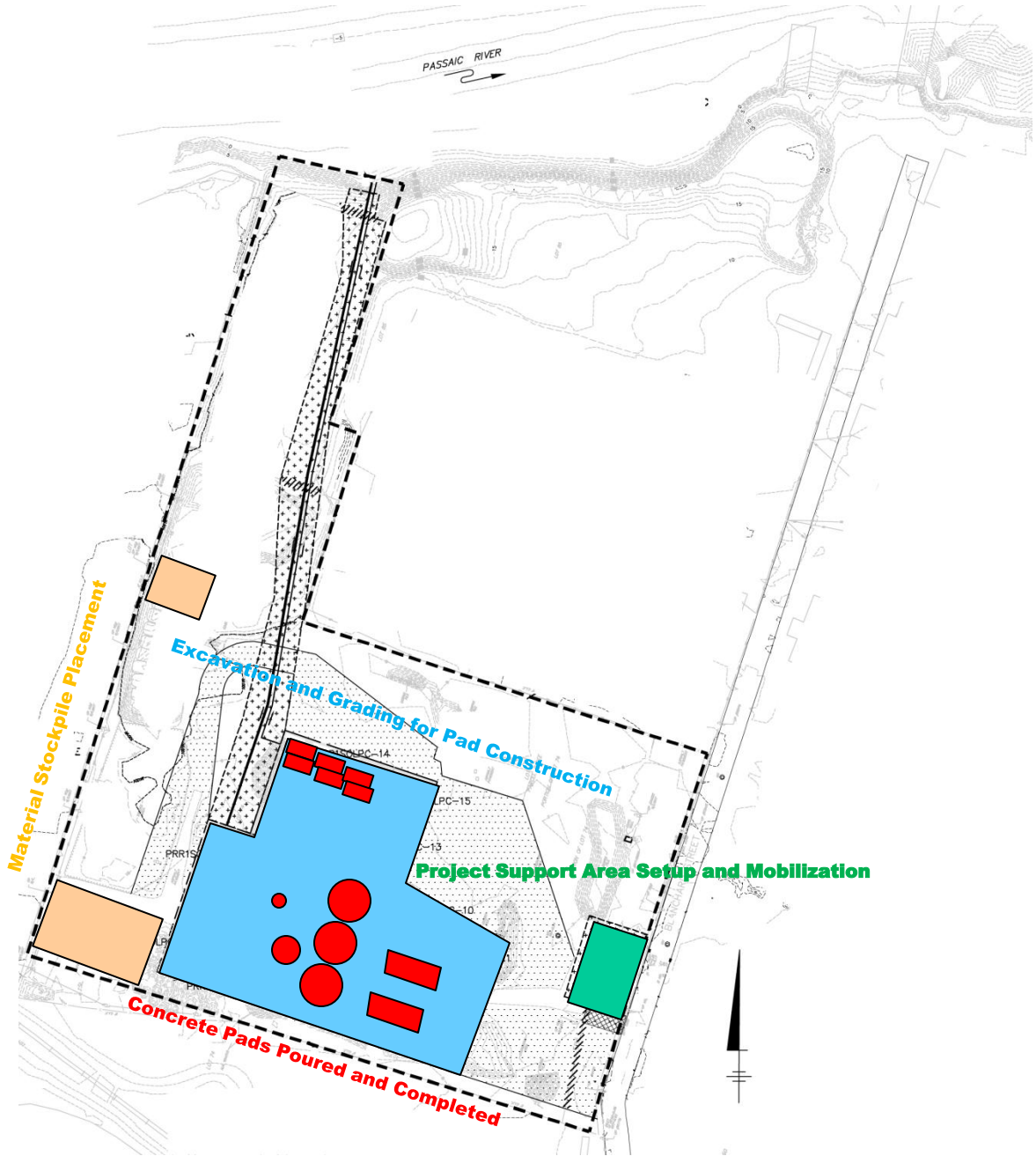


*Reinforcement bar and forms for the Carbon Adsorber Pads*

Prepared by Matthew Bowman, September 26, 2011

**Weekly Construction Progress Report #11  
(Continued)**

Period: 09/19/11 – 09/25/11



**UPF Property**

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey

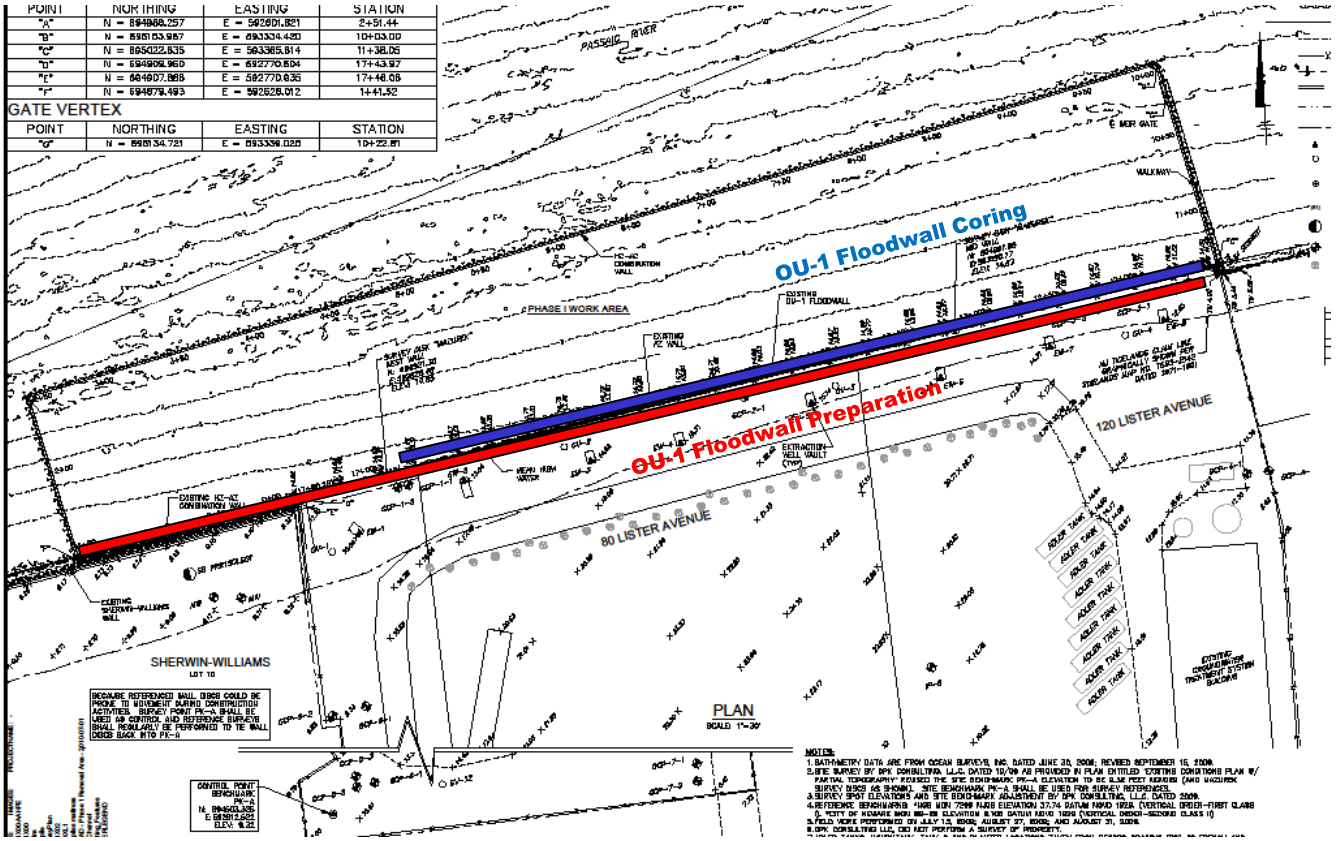
### Weekly Construction Progress Report #11 (Continued)

Period: 09/19/11 – 09/25/11

POINT	NORTHING	EASTING	STATION
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"B"	N = 895015.887	E = 593336.422	10+03.00
"C"	N = 895022.635	E = 593365.814	11+38.05
"D"	N = 894904.960	E = 692770.804	17+43.97
"E"	N = 864607.888	E = 592770.636	17+48.08
"F"	N = 894878.493	E = 592628.012	14+41.92

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 898034.721	E = 693336.020	10+22.81



### OU-1 Property

## Weekly Construction Progress Report #12

**Period:** 09/26/11 – 10/02/11

### Project Work Performed:

- Completed 80/120 Lister Avenue Property (OU-1) floodwall preparation for wale installation, including the bolting and modification of existing steel sheeting and welding of steel shoes on the king piles. Continued installation of the wale for the OU-1 floodwall.
- Continued core drilling of the OU-1 floodwall in preparation of the drilling and installation of tiebacks. Continued installation of tieback drilling fluids pre-treatment system. Began testing of the fluids pre-treatment system with clean water.
- Completed mobilization of first barge crane to the sediment removal area and began placement of scour protection material (completed approximately 700 cubic yards).
- Completed excavation and grading activities for the installation of process equipment foundations and asphalt surfaces at the Upland Processing Facility (UPF) site.
- Completed concrete installation activities for equipment pads. Completed installation of asphalt surfaces at the UPF (except curbing).

### Planned Activities - Weeks of 10/03 & 10/10:

- Complete installation of the OU-1 floodwall wale.
- Complete core drilling of the OU-1 floodwall in preparation of the drilling and installation of tiebacks. Complete installation and begin operations of tieback fluids pre-treatment system.
- Begin tieback drilling activities at the east end of the OU-1 flood wall.
- Complete the placement of approximately 2,000 cubic yards of scour protection material around the enclosure footprint.
- Complete mobilization of second barge crane and initial steel sheeting for construction of the sediment removal enclosure.
- Begin installation of sediment processing system equipment at the UPF including the delivery and placement of the membrane filter presses and the gravity thickener tank.
- Complete loading of soil material at the UPF targeted for off-site transportation and disposal.

### Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Loss Prevention Observation (LPO) – 3 (24)
  - Job Loss Analysis (JLAs) – 4 (22)
  - Near Loss – 0 (5)
  - Incidents – 0 (1)
  - Stop Work Authority 2 – (16)
  - Estimated field man hours – 14,500 hours.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Barge crane installing scour protection material*



*Tieback fluids pre-treatment system during installation*



*Reinforcement bar and forms for the Gravity Thickener*

**Weekly Construction Progress Report #12  
(Continued)**

**Period:** 09/26/11 – 10/02/11

Construction Quality Assurance/Safety (continued):

- Land survey activities continue along the OU-1 floodwall and at the UPF site.
- Jersey Essay Labs collected concrete cylinders during the concrete pours for Gravity Thickener Pad at the UPF site for compressive strength testing.
- ARCADIS completed quality control inspection activities for the OU-1 Property sheet bolting (shoe/wale installation).
- Abscope completed hydraulic leak testing for storm water management system.
- Compaction testing was completed for the subgrade materials in preparation of asphalt placement.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman, October 3, 2011

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



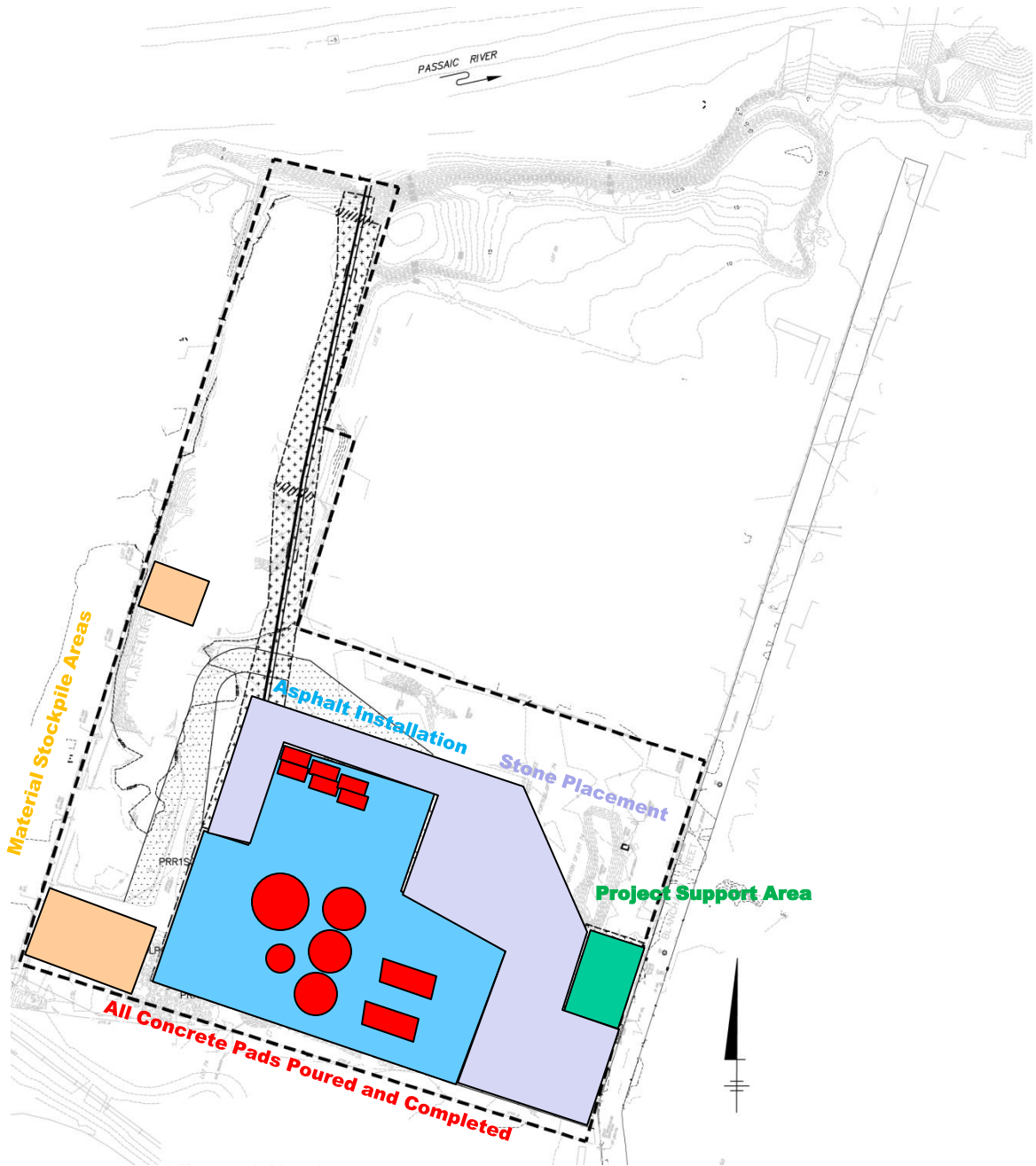
*Concrete finishing being performed on the gravity thickener*



*Finish asphalt and equipment pads at the UPF*

**Weekly Construction Progress Report #12  
(Continued)**

Period: 09/26/11 – 10/02/11



**UPF Property**

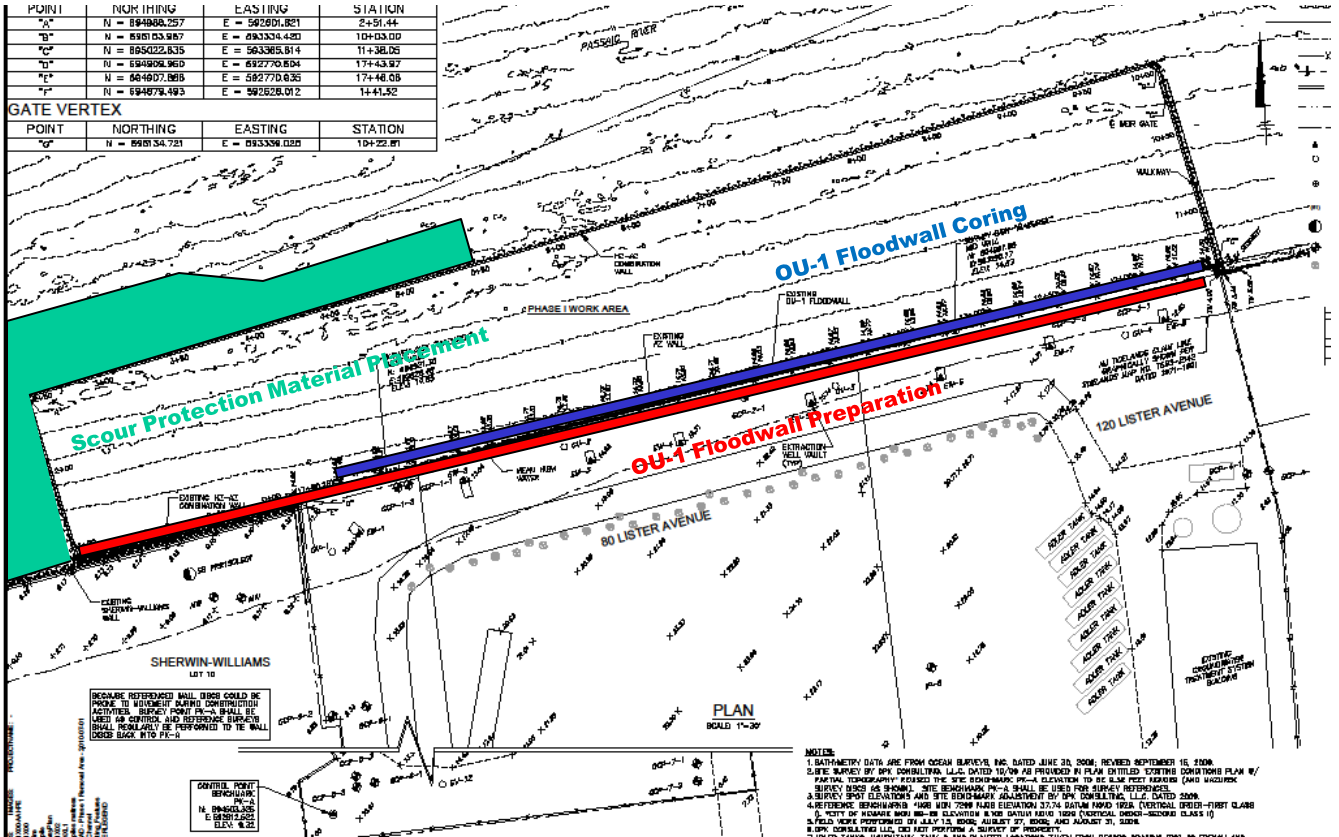
### Weekly Construction Progress Report #12 (Continued)

Period: 09/26/11 – 10/02/11

POINT	NORTHING	EASTING	STATION
"A"	N = 894985.257	E = 592851.851	2+51.44
"B"	N = 895015.987	E = 593336.422	10+03.00
"C"	N = 895022.635	E = 593365.814	11+38.05
"D"	N = 894904.960	E = 692770.804	17+43.97
"E"	N = 894907.888	E = 592770.836	17+48.08
"F"	N = 894878.493	E = 592628.012	14+41.92

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 895034.721	E = 593336.020	10+22.81



### OU-1 Property



## Weekly Construction Progress Report #13

**Period:** 10/03/11 – 10/09/11

### Project Work Performed:

- Continued installation of the wale for the OU-1 floodwall.
- Completed core drilling of the OU-1 floodwall in preparation of the drilling and installation of tiebacks. Began installation of tiebacks in the OU-1 floodwall (Completion of two – Tiebacks #3 and #5).
- Completed installation and testing of the tieback fluids pre-treatment system. Began operations of the tieback fluids pre-treatment system and discharge to the OU-1 groundwater treatment system.
- Continued placement of scour protection material - completed approximately 900 cubic yards for the week. This task is approximately 75% complete.
- Began delivery of sediment processing equipment to the Upland Processing Facility (UPF). Began installation of the membrane filter presses and the gravity thickener tank.

### Planned Activities - Weeks of 10/10 & 10/17:

- Complete installation of the OU-1 floodwall wale.
- Continue tieback drilling activities on the east half of the OU-1 floodwall.
- Continue operation and monitoring of the tieback fluids pre-treatment system.
- Complete the placement of approximately 2,200 cubic yards of scour protection material around the enclosure footprint.
- Complete mobilization of second barge crane and first load of steel sheeting for construction of the sediment removal enclosure. Begin steel installation for the enclosure construction in the Passaic River along the Sherwin-Williams property.
- Continue installation of sediment processing system equipment at the UPF including the installation of the membrane filter presses and the gravity thickener tank.
- Begin the installation of the water treatment system at the UPF.
- Complete loading of soil material at the UPF targeted for off-site transportation and disposal.

### Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Loss Prevention Observation (LPO) – 2 (26)
  - Job Loss Analysis (JLAs) – 0 (22)
  - Near Loss – 1 (6) – Unintentionally triggered OU-1 building security alarm.
  - Incidents – 0 (1)
  - Stop Work Authority 1 – (17)
  - Estimated field man hours – 16,950 hours.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Off-loading of a membrane filter press*



*Installation of membrane filter presses*



*Grit placement for scour protection installation*

**Weekly Construction Progress Report #13  
(Continued)**

**Period:** 10/03/11 – 10/09/11

Construction Quality Assurance/Safety (continued):

- Land survey activities continue along the OU-1 floodwall and at the UPF site.
- Jersey Essay Labs collected grout samples during the tieback installation at the OU-1 site for laboratory testing.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman, October 10, 2011

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



*Tieback installation along the OU-1 flood wall*



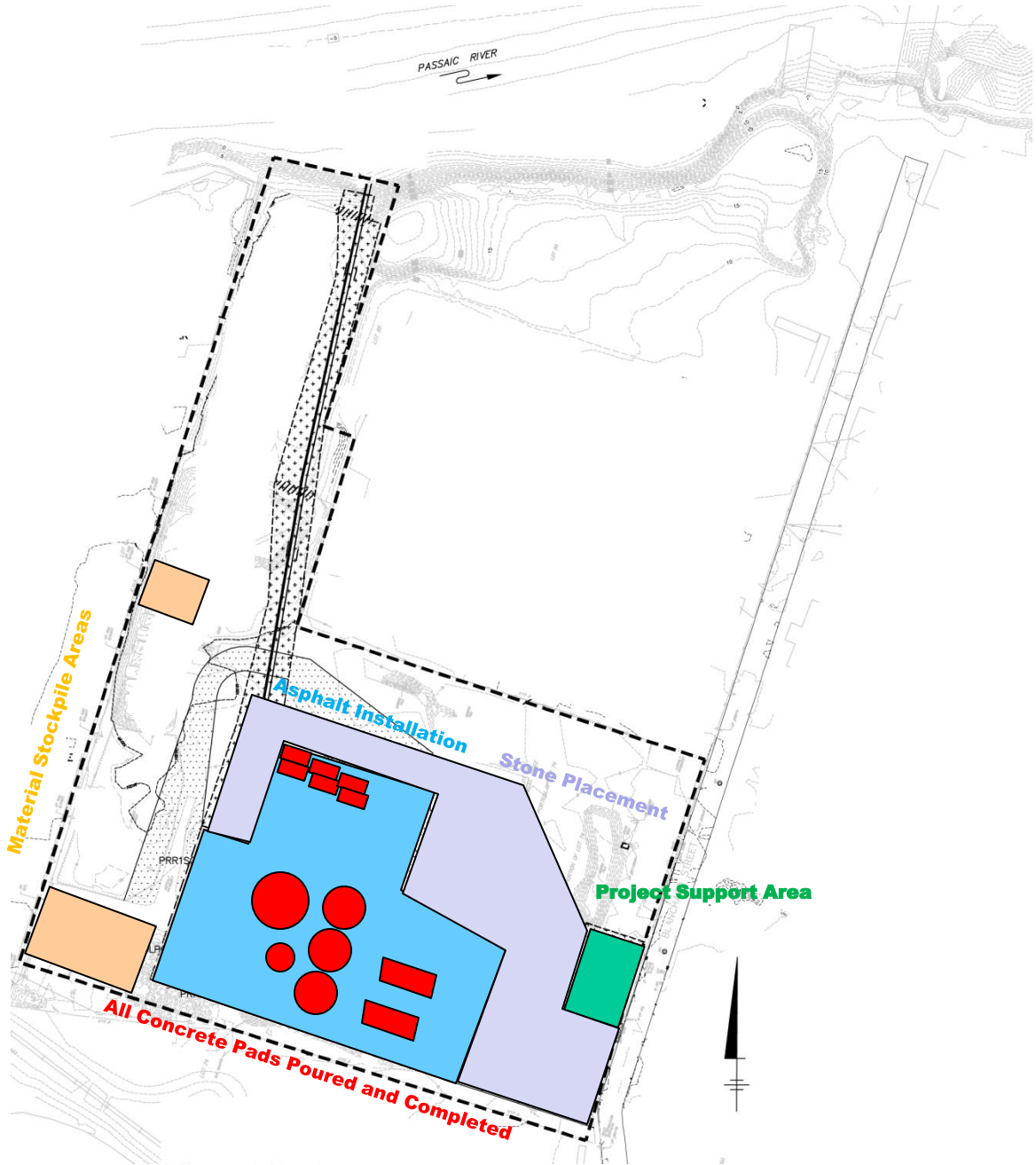
*Grout sample collection for tieback installation*



*Wales installed along the OU-1 flood wall*

**Weekly Construction Progress Report #13  
(Continued)**

Period: 10/03/11 – 10/09/11



**UPF Property**

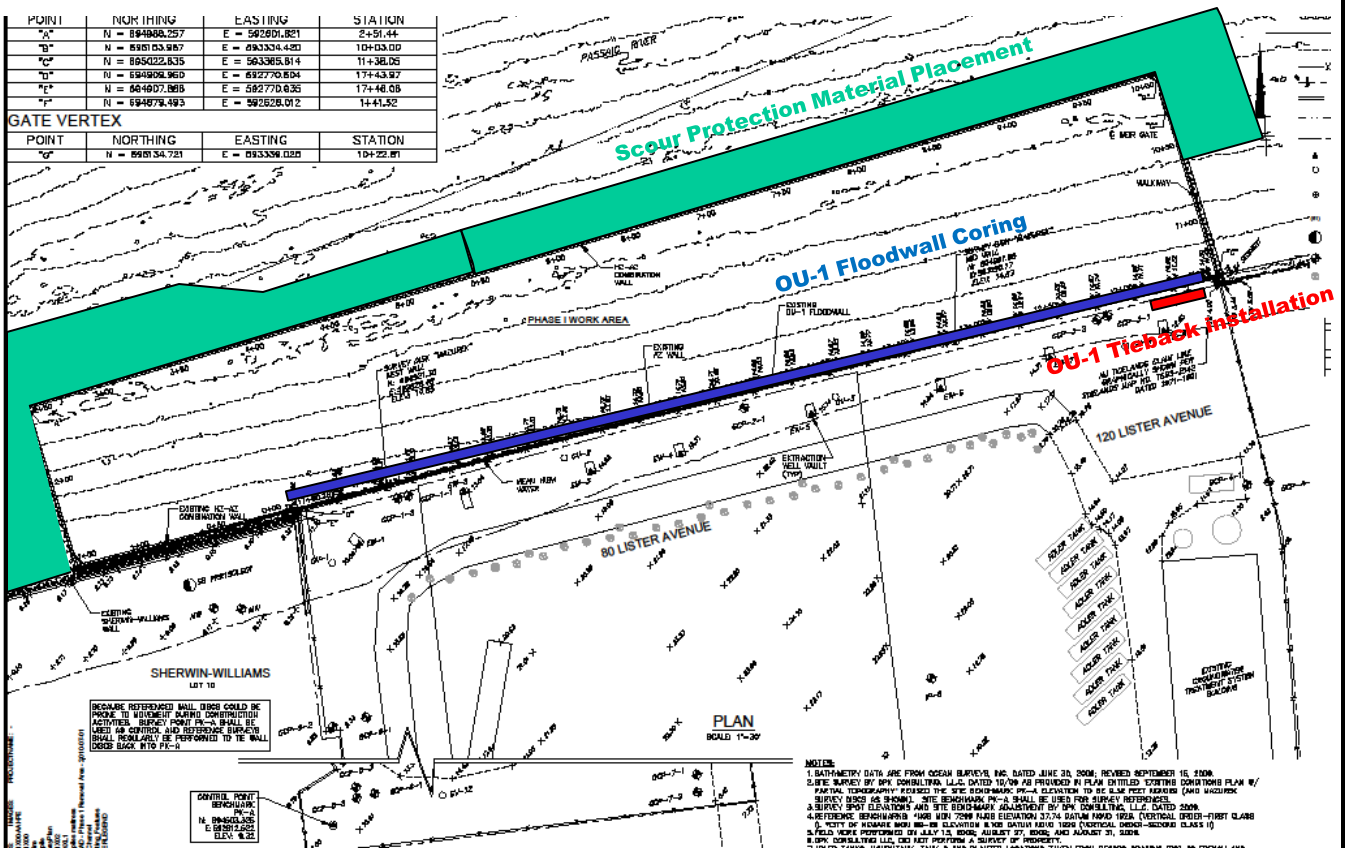
### Weekly Construction Progress Report #13 (Continued)

Period: 10/03/11 – 10/09/11

POINT	NORTHING	EASTING	STATION
"A"	N = 894985.257	E = 592851.351	2+51.44
"B"	N = 895153.987	E = 593336.422	10+03.00
"C"	N = 895222.635	E = 593365.514	11+38.05
"D"	N = 894904.960	E = 692770.604	17+43.97
"E"	N = 864607.888	E = 592770.635	17+48.08
"F"	N = 894678.493	E = 592628.012	14+41.92

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 895134.721	E = 593336.020	10+22.81



### OU-1 Property

## Weekly Construction Progress Report #14

**Period:** 10/10/11 – 10/16/11

### Project Work Performed:

- Continued installation of the wale for the OU-1 floodwall.
- Continued installation of tiebacks in the OU-1 floodwall (Completion of 10 of 37 tiebacks). Began stressing and performance testing of tiebacks.
- Continued operations of the tieback fluids pre-treatment system and discharge to the OU-1 groundwater treatment system (approximately 79,000 gallons treated to date).
- Completed placement of scour protection material (approximately 2,200 cubic yards total for the task).
- Continued delivery of sediment processing equipment to the Upland Processing Facility (UPF). Continued installation of the membrane filter presses and the gravity thickener tank. Began installation of the sludge holding tanks.
- Completed loading of soil material at the UPF targeted for off-site transportation and disposal. Approximately 697 tons of soil material is currently en route to the Lone Mountain disposal facility in Oklahoma.

### Planned Activities - Weeks of 10/17 & 10/25:

- Complete installation of the last two sections of the OU-1 floodwall wale.
- Continue tieback drilling activities on the east half of the OU-1 floodwall. Continue stressing and performance testing of tiebacks.
- Continue operation and monitoring of the tieback fluids pre-treatment system.
- Complete mobilization of second barge crane and first load of steel sheeting for construction of the sediment removal enclosure. Begin steel installation for the enclosure construction in the Passaic River along the Sherwin-Williams property.
- Continue installation of sediment processing system equipment at the UPF including the installation of the membrane filter presses, sludge holding tanks, and the gravity thickener tank.
- Begin the installation of the water treatment system at the UPF.

### Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Loss Prevention Observation (LPO) – 3 (29)
  - Job Loss Analysis (JLAs) – 1 (23)
  - Near Loss – 1 (7) – Ladder rung broke on one the cranes.
  - Incidents – 0 (1)
  - Stop Work Authority 1 – (18)
  - Estimated field man hours – 19,000 hours.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Membrane filter presses installed at the Site*



*Scour protection material placement*



*Sludge holding tank during installation*

**Weekly Construction Progress Report #14  
(Continued)**

**Period:** 10/10/11 – 10/16/11

Construction Quality Assurance/Safety (continued):

- Land survey activities continue along the OU-1 floodwall and at the UPF site.
- Jersey Essay Labs collected grout samples during the tieback installation at the OU-1 site for laboratory testing.
- Performance testing on tiebacks completed to date has indentified no deficiencies.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman, October 19, 2011

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



*Tieback installation along the OU-1 flood wall*



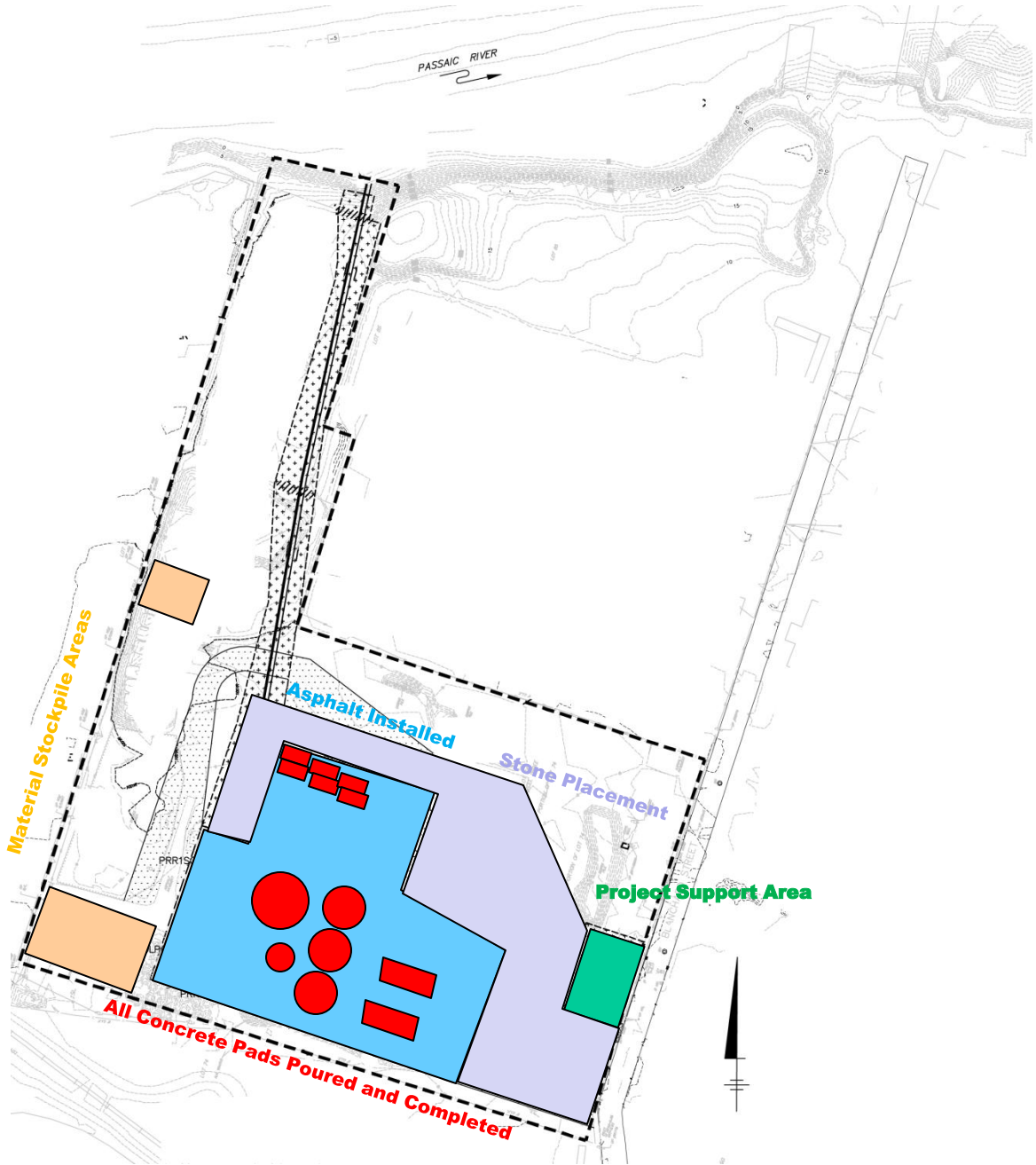
*Tieback stressing and performance testing*



*Performance testing equipment on Tieback T-7*

**Weekly Construction Progress Report #14  
(Continued)**

Period: 10/10/11 – 10/16/11



**UPF Property**

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey

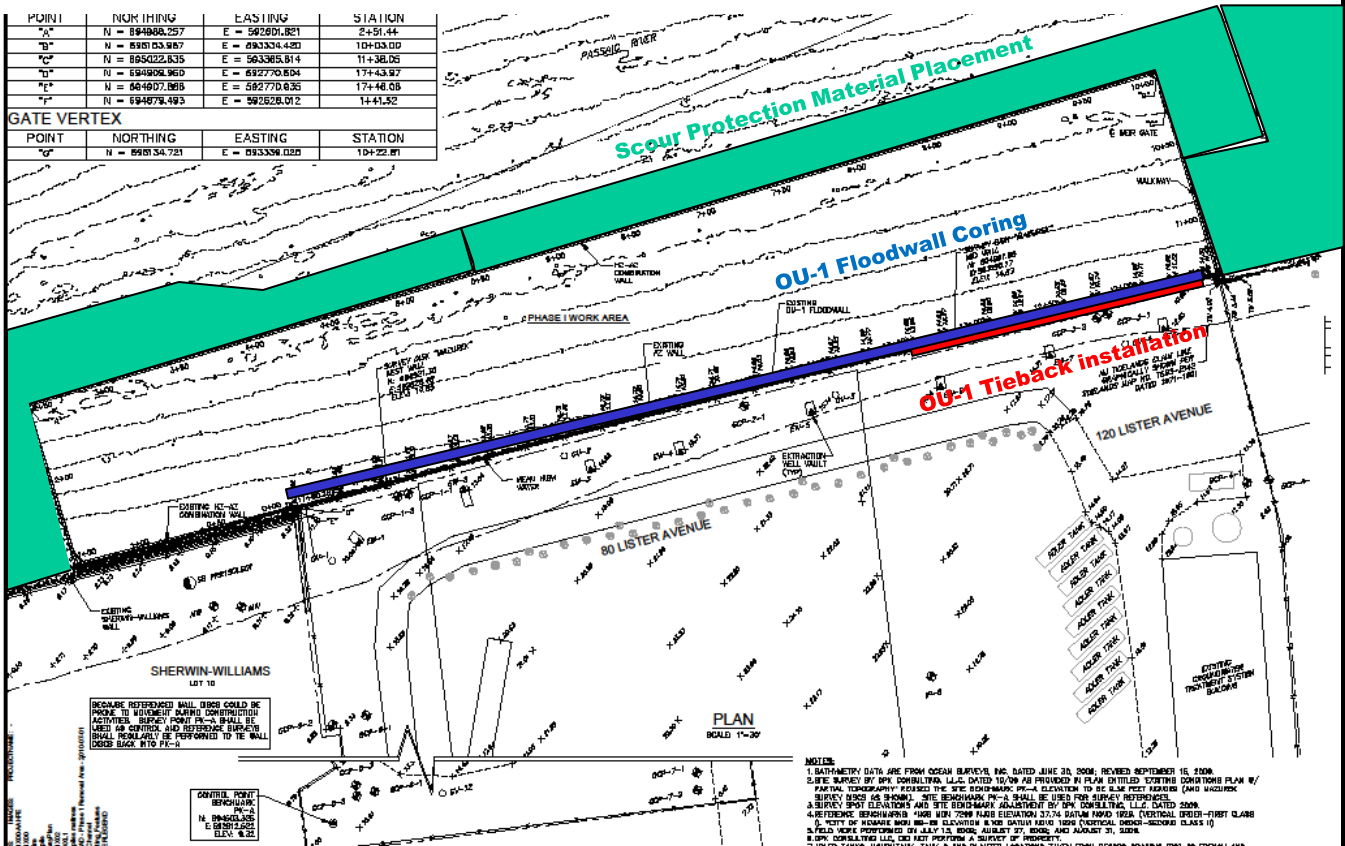
### Weekly Construction Progress Report #14 (Continued)

Period: 10/10/11 – 10/16/11

POINT	NORTHING	EASTING	STATION
"A"	N = 894985.257	E = 592851.351	2+51.44
"B"	N = 895015.987	E = 593336.422	10+03.00
"C"	N = 895022.635	E = 593365.514	11+38.05
"D"	N = 894904.960	E = 592770.604	17+43.97
"E"	N = 864607.888	E = 592770.636	17+48.08
"F"	N = 894678.493	E = 592628.012	14+41.92

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 895034.721	E = 593336.020	10+22.81



### OU-1 Property



## Weekly Construction Progress Report #15

**Period:** 10/17/11 – 10/23/11

### Project Work Performed:

- Completed installation of the wale for the OU-1 floodwall.
- Continued installation of tiebacks in the OU-1 floodwall (completed of 16 of 37 tiebacks). Continued stressing and performance testing of tiebacks.
- Continued operations of the tieback fluids pre-treatment system and discharge to the OU-1 groundwater treatment system (approximately 109,000 gallons treated to date).
- Completed mobilization of the second crane barge (Weeks 541) and the first load of steel sheeting and king piles for construction of the sediment removal enclosure. Began installation of king piles and sheeting along the front of the Sherwin Williams property.
- Continued installation of the membrane filter presses, gravity thickener tank and the sludge holding tanks.
- Began installation of the canopies for the membrane filter presses. Completed the south canopy.

### Planned Activities - Weeks of 10/24 & 10/31:

- Continue tieback drilling activities in the middle of the OU-1 floodwall. Continue stressing and performance testing of tiebacks.
- Continue operation and monitoring of the tieback fluids pre-treatment system.
- Continue steel installation for the enclosure construction in the Passaic River along the Sherwin-Williams property.
- Continue installation of sediment processing system equipment at the UPF including the installation of the membrane filter presses, sludge holding tanks, and the gravity thickener tank.
- Begin the installation of the water treatment system at the UPF.
- Complete installation of the north canopy.

### Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 3 (32)
  - Job Loss Analysis (JLAs) – 1 (24)
  - Near Loss – 0 (7)
  - Incidents – 0 (1)
  - Stop Work Authority 2 – (20) – Both related to high winds and inclement weather at the Site.
  - Estimated field man hours – 22,100 hours.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Fabric being installed on the south canopy*



*Completed south canopy over the membrane filter presses*



*Combination wall installation in front of the Sherwin Williams property*

**Weekly Construction Progress Report #15  
(Continued)**

**Period:** 10/17/11 – 10/23/11

Construction Quality Assurance/Safety (continued):

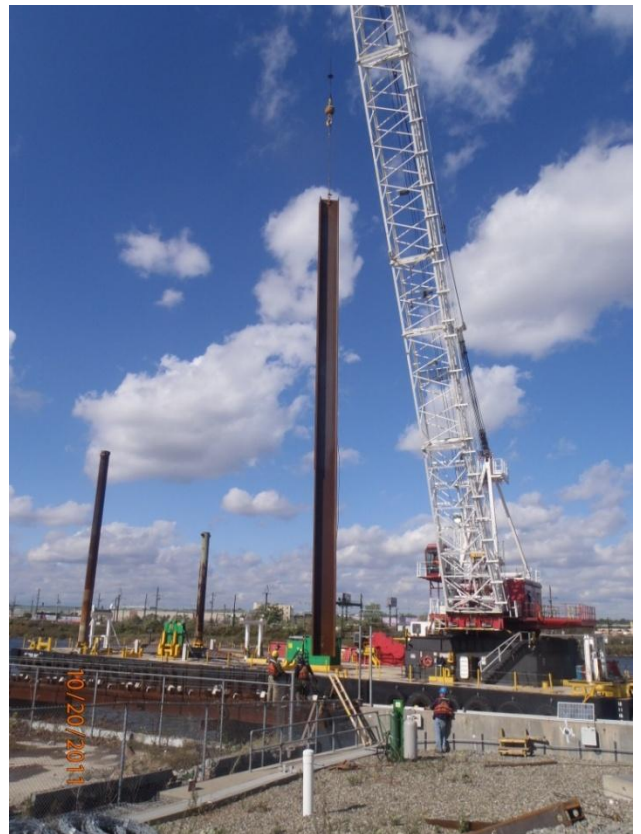
- Land survey activities continue along the OU-1 floodwall and at the UPF site.
- Jersey Essay Labs collected grout samples during the tieback installation at the OU-1 site for laboratory testing.
- Performance testing on tiebacks completed to date has indentified no deficiencies.
- The team has initiated monitoring of vibrations in adjacent structures.
- ARCADIS completed an initial sound monitoring event using a dosimeter to confirm personal protective equipment (PPE) usage for workers at the Site.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman, October 24, 2011

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



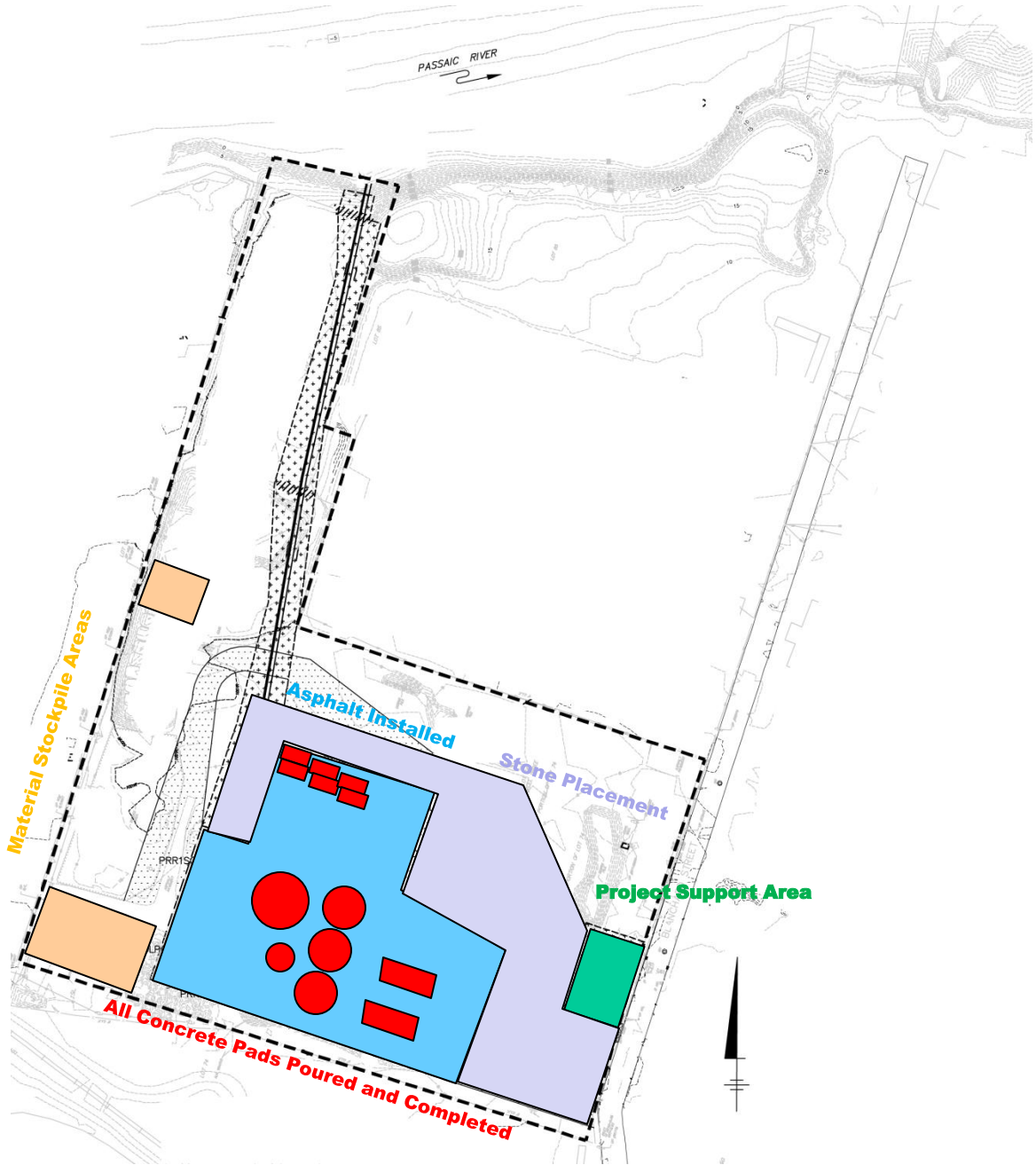
*Gravity thickener tank installed at the UPF*



*First king pile being installed for sediment removal enclosure*

**Weekly Construction Progress Report #15  
(Continued)**

**Period:** 10/17/11 – 10/23/11



**UPF Property**

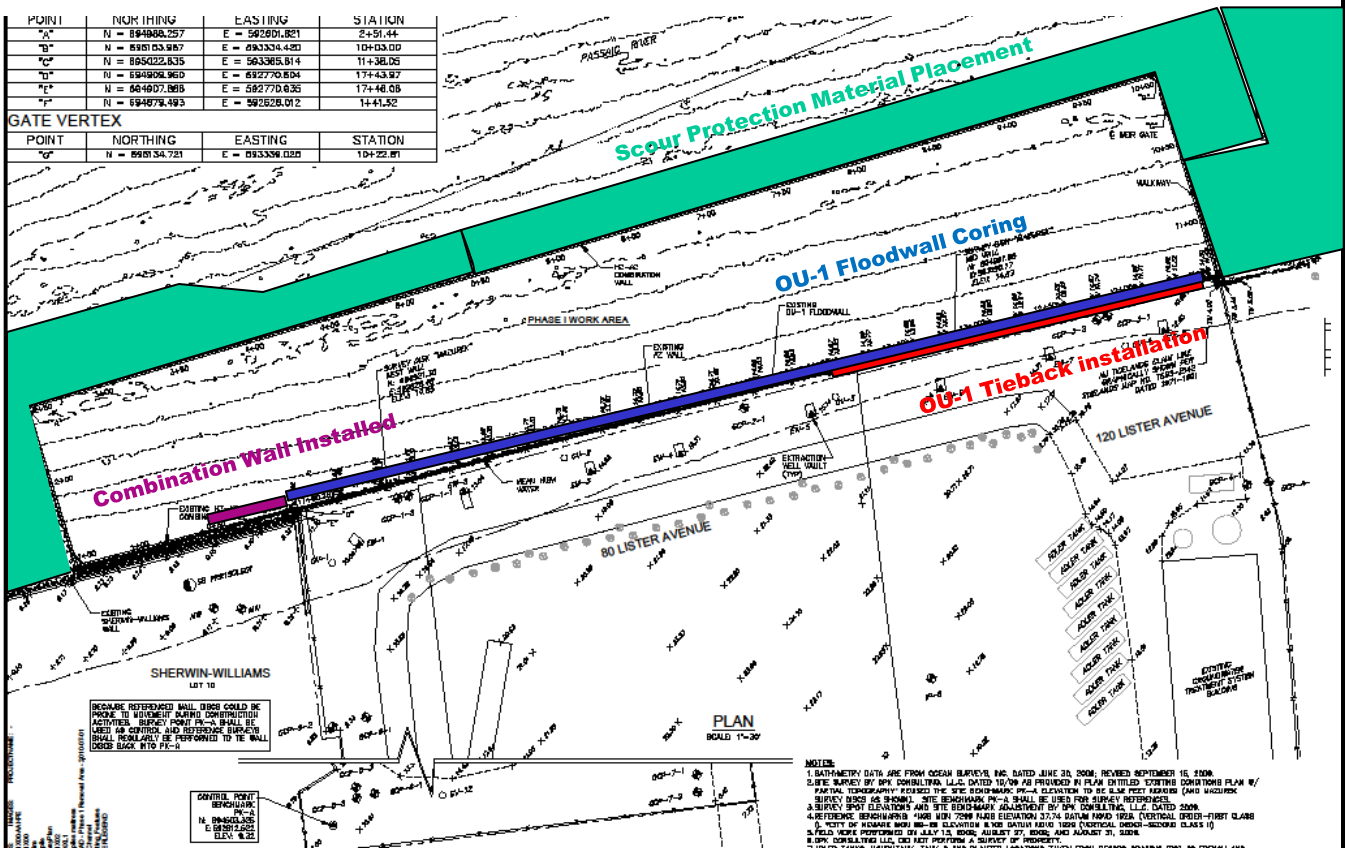
**Weekly Construction Progress Report #15  
(Continued)**

Period: 10/17/11 – 10/23/11

POINT	NORTHING	EASTING	STATION
"A"	N = 894985.257	E = 592851.351	2+51.44
"B"	N = 895015.887	E = 593336.422	10+03.00
"C"	N = 895022.635	E = 593365.514	11+38.05
"D"	N = 894904.960	E = 592770.604	17+43.97
"E"	N = 864607.888	E = 582770.636	17+48.08
"F"	N = 894678.493	E = 592628.012	14+11.92

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 895034.721	E = 593336.020	10+22.81



**OU-1 Property**

## Weekly Construction Progress Report #16

**Period:** 10/24/11 – 10/30/11

### Project Work Performed:

- Continued installation of tiebacks in the OU-1 floodwall (completed of 23 of 37 tiebacks). Continued stressing and performance testing of tiebacks.
- Continued operations of the tieback fluids pre-treatment system and discharge to the OU-1 groundwater treatment system (approximately 162,000 gallons treated to date).
- Completed installation of king piles and sheeting along the front of the Sherwin Williams property (approximately 150 linear feet). Began installation of template for the west section of the enclosure. Began installation of ancillary steel components for the enclosure.
- Continued installation of electrical and mechanical components of the membrane filter presses and the gravity thickener tank. Continued installation of the sludge holding tanks.
- Completed installation of the canopies for the membrane filter presses.
- Continued installation of components of the water treatment system including equalization tanks, GAC vessels and the component skids/trailer.

### Planned Activities - Weeks of 10/31 & 11/7:

- Complete tieback drilling activities in the middle of the OU-1 floodwall. Continue stressing and performance testing of tiebacks.
- Continue operation and monitoring of the tieback fluids pre-treatment system.
- Continue king piles and sheeting installation for the west wall of the enclosure construction. Continue ancillary steel installation.
- Continue installation of sediment processing system equipment at the UPF including the installation of mechanical and electrical equipment for the membrane filter presses, sludge holding tanks, and the gravity thickener tank.
- Continue the installation of the water treatment system at the UPF.

### Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 3 (35)
  - Job Loss Analysis (JLAs) – 0 (24)
  - Near Loss – 1 (9) – Employee stepped through plywood on the enclosure construction template.
  - Incidents – 0 (1)
  - Stop Work Authority 1 – (21) – Related to snow and sleet at the Site.
  - Estimated field man hours to date – 25,000 hours.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Completion of canopies over the membrane filter presses*



*Installation of carbon vessels for water treatment system*



*Tieback drilling along the OU-1 flood wall*

**Weekly Construction Progress Report #16  
(Continued)**

**Period:** 10/24/11 – 10/30/11

Construction Quality Assurance/Safety (continued):

- Land survey activities continue along the OU-1 floodwall and at the UPF site.
- Jersey Essay Labs collected grout samples during the tieback installation at the OU-1 site for laboratory testing.
- Performance testing on tiebacks completed to date has indentified no deficiencies.
- The team has continued monitoring of vibrations in adjacent structures.
- ARCADIS is scheduled to conduct the second round of underwater sound monitoring during the week of November 7, 2011.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).
- Weeks performed fall protection training for site workers on October 27, 2011.

Prepared by Matthew Bowman, November 1, 2011

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



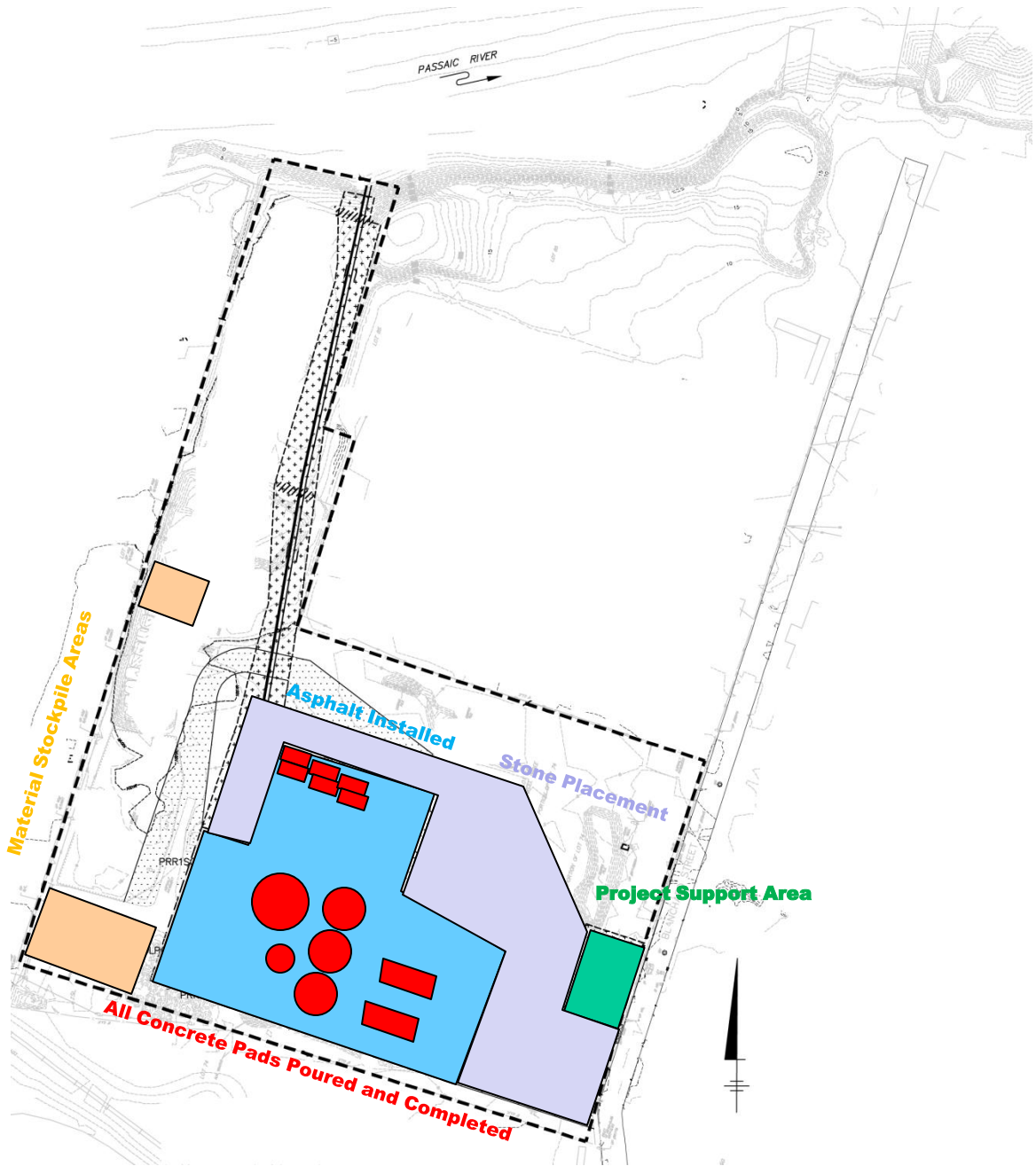
*Early winter weather at the Site (October 31, 2011)*



*Installation of the bridge for the gravity thickener*

**Weekly Construction Progress Report #16  
(Continued)**

**Period:** 10/24/11 – 10/30/11



**UPF Property**

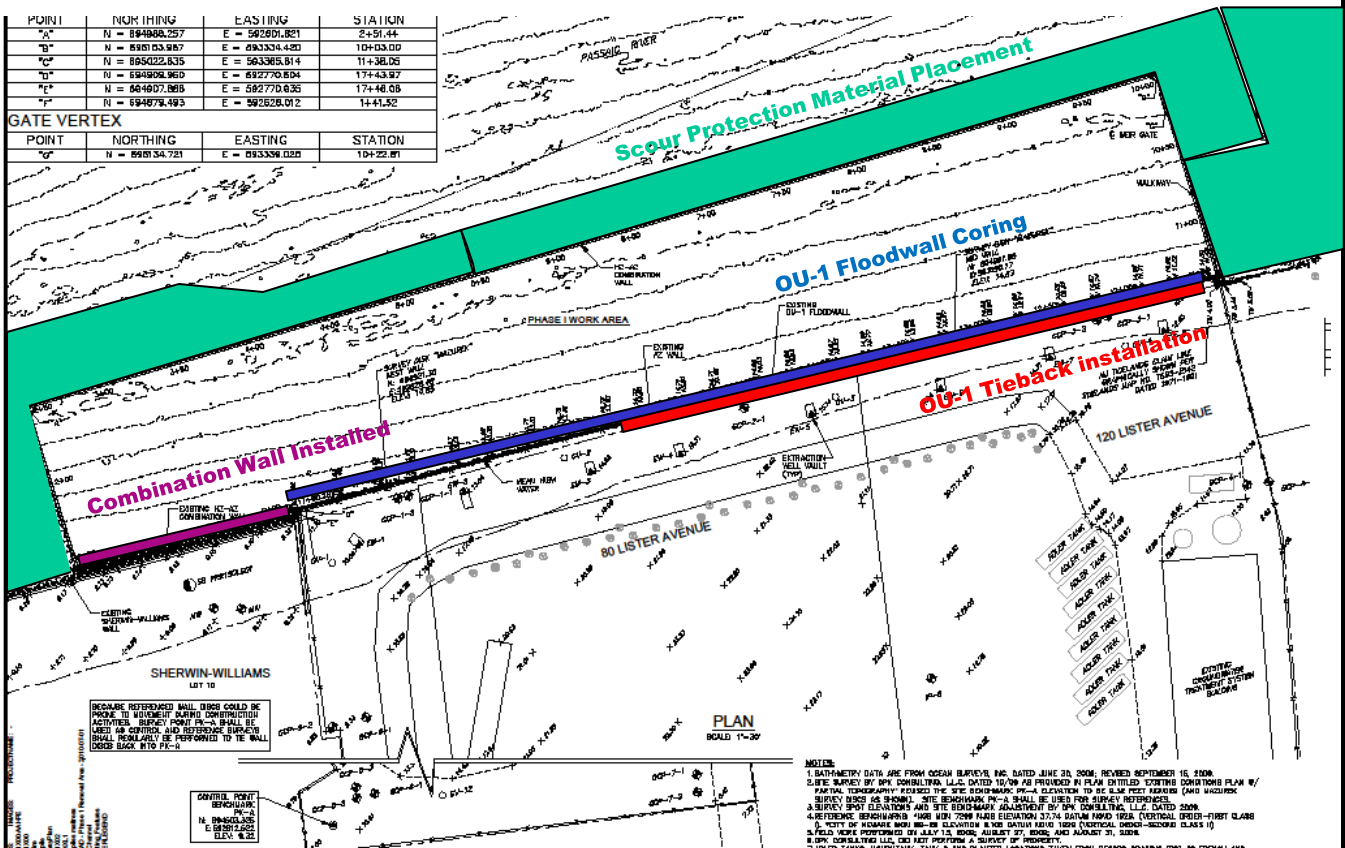
**Weekly Construction Progress Report #16  
(Continued)**

Period: 10/24/11 – 10/30/11

POINT	NORTHING	EASTING	STATION
"A"	N = 894985.257	E = 592851.351	2+51.44
"B"	N = 895015.987	E = 593336.422	10+03.00
"C"	N = 895022.635	E = 593365.514	11+38.05
"D"	N = 894904.960	E = 592770.604	17+43.97
"E"	N = 894907.888	E = 592770.636	17+44.08
"F"	N = 894878.493	E = 592628.012	14+41.92

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 895034.721	E = 593336.020	10+22.81



**OU-1 Property**



## Weekly Construction Progress Report #17

**Period:** 10/31/11 – 11/06/11

### Project Work Performed:

- Continued installation of tiebacks in the OU-1 floodwall (completed of 31 of 37 tiebacks). Continued stressing and performance testing of tiebacks.
- Continued operations of the tieback fluids pre-treatment system and discharge to the OU-1 groundwater treatment system (approximately 215,000 gallons treated to date).
- Continued installation of king piles and sheeting for the west wall of the enclosure. Continued installation of ancillary steel components for the enclosure.
- Continued installation of electrical and mechanical components of the membrane filter presses and the gravity thickener tank. Completed installation of the sludge holding tanks.
- Continued installation of components of the water treatment system including equalization tanks, GAC vessels and the component skids/trailer.

### Planned Activities - Weeks of 11/7 & 11/14:

- Complete tieback drilling activities in the middle of the OU-1 floodwall. Complete stressing and performance testing of tiebacks. Begin demobilization and restoration of the Site upon conclusion of tieback operations.
- Complete operation and monitoring of the tieback fluids pre-treatment system. Begin decontamination and demobilization of equipment.
- Complete king piles and sheeting installation for the west wall of the enclosure construction. Begin king pile and sheeting installation for the north wall. Continue ancillary steel installation.
- Continue installation of sediment processing system equipment at the UPF including the installation of mechanical and electrical equipment for the membrane filter presses, sludge holding tanks, and the gravity thickener tank.
- Continue the installation of the water treatment system at the UPF.

### Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 3 (38)
  - Job Loss Analysis (JLAs) – 0 (24)
  - Near Loss – 0 (9)
  - Incidents – 1 (2) - Incident associated with property damage (damaged well, two damaged cables) observed at the OU-1 property due to site operations.
  - Stop Work Authority 0 – (21)
  - Estimated field man hours to date – 28,450 hours.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Enclosure construction for the west wall*



*Nicholson tieback drilling crew*



*Unloading conveyors at the Site*

**Weekly Construction Progress Report #17  
(Continued)**

**Period:** 10/31/11 – 11/06/11

Construction Quality Assurance/Safety (continued):

- Land survey activities continue along the OU-1 floodwall and at the UPF site.
- Jersey Essay Labs collected grout samples during the tieback installation at the OU-1 site for laboratory testing. All sample results to date have been within acceptable limits.
- Performance testing on tiebacks completed to date has indentified no deficiencies.
- The team has continued monitoring of vibrations in adjacent structures.
- ARCADIS is scheduled to conduct the second round of underwater sound monitoring during the week of November 7, 2011.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).
- USEPA press event was conducted at the Site on October 31, 2011.
- The Newark Fire Department successfully completed a series of rescue drills and rehearsals at the Site during the week of October 31, 2011.

Prepared by Matthew Bowman, November 8, 2011

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



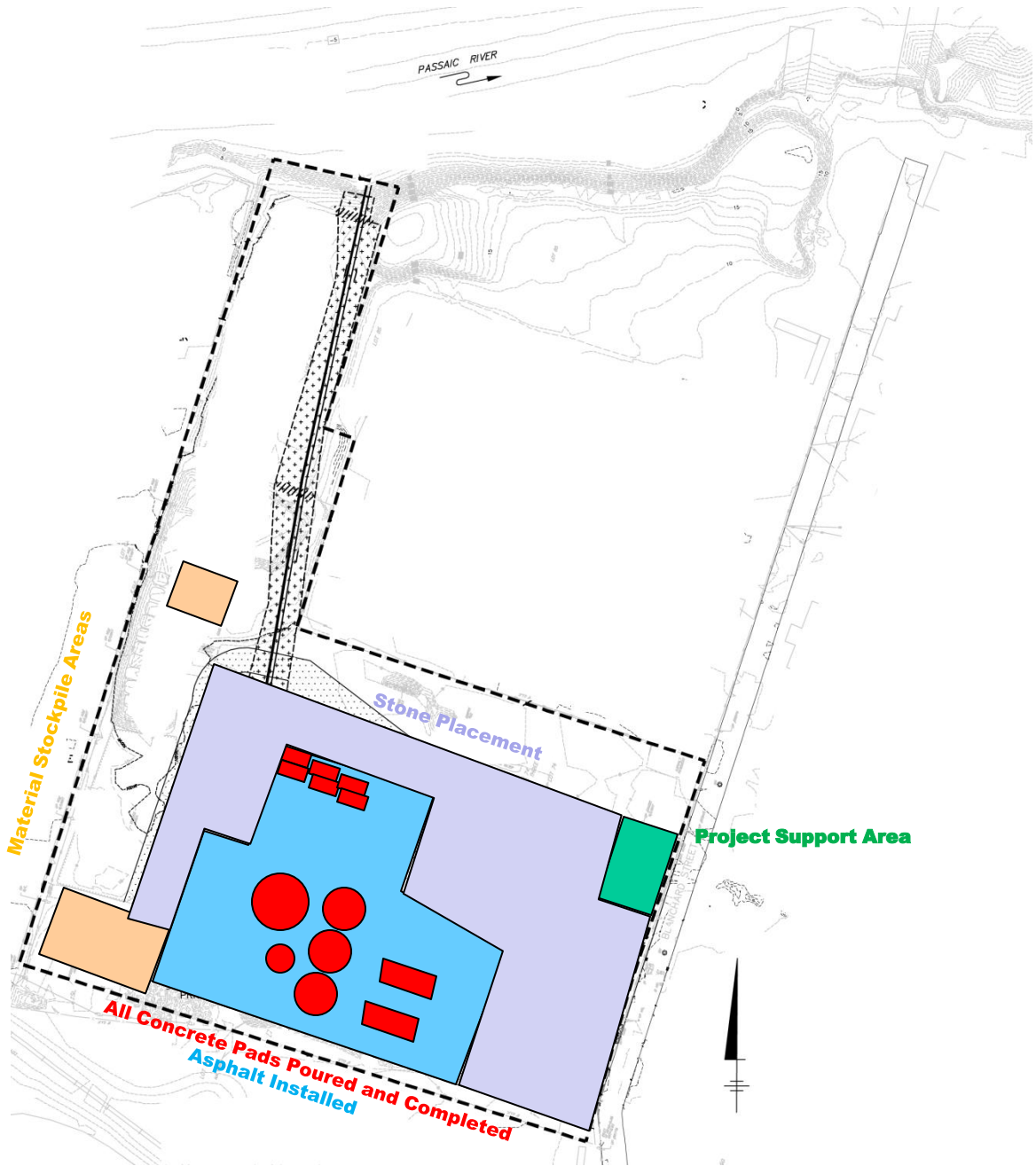
*View of water treatment system from the filter presses*



*Installation of a sludge holding tank*

**Weekly Construction Progress Report #17  
(Continued)**

**Period:** 10/31/11 – 11/06/11



**UPF Property**

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**

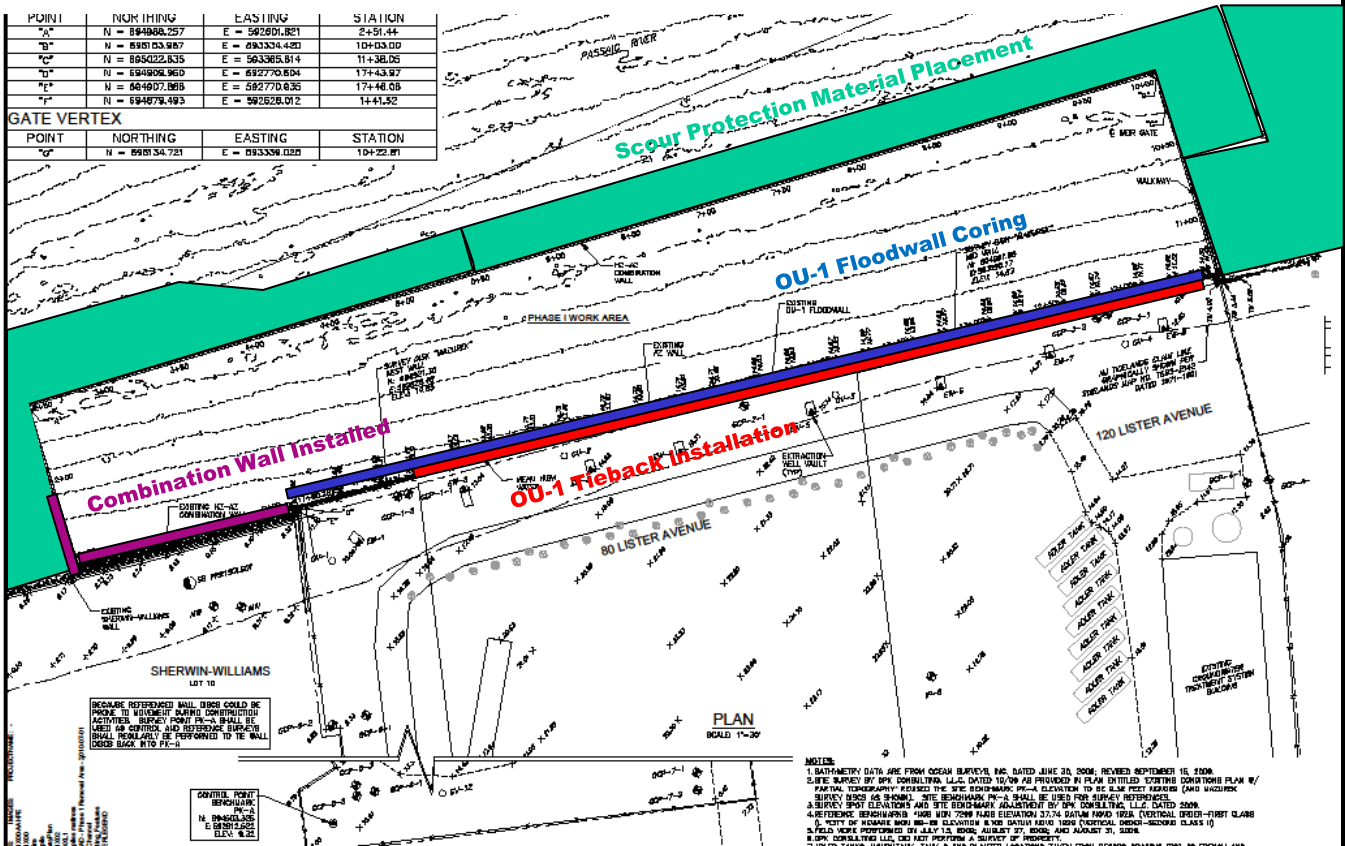
**Weekly Construction Progress Report #17  
(Continued)**

Period: 10/31/11 – 11/06/11

POINT	NORTHING	EASTING	STATION
"A"	N = 894985.257	E = 592851.351	2+51.44
"B"	N = 895015.887	E = 593336.422	10+03.00
"C"	N = 895022.635	E = 593365.514	11+38.05
"D"	N = 894904.960	E = 592770.604	17+43.97
"E"	N = 894907.888	E = 592770.636	17+48.08
"F"	N = 894878.493	E = 592628.012	14+41.92

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 895034.721	E = 593336.020	10+22.81



**OU-1 Property**

## Weekly Construction Progress Report #18

**Period:** 11/07/11 – 11/13/11

### Project Work Performed:

- Completed installation of tiebacks in the OU-1 floodwall. Began demobilization and decontamination of tieback drilling and fluid pre-treatment equipment.
- Continued stressing and performance testing of tiebacks (approximately 50% complete).
- Continued operations of the tieback fluids pre-treatment system and discharge to the OU-1 groundwater treatment system (approximately 263,000 gallons treated to date).
- Continued installation of king piles and sheeting for the west wall of the enclosure. Continued installation of ancillary steel components for the enclosure.
- Continued installation of electrical and mechanical components of the membrane filter presses and the gravity thickener tank. Completed installation of the sludge holding tanks.
- Continued installation of components of the water treatment system including equalization tanks, GAC vessels and the component skids/trailer.

### Planned Activities - Weeks of 11/14 & 11/21:

- Complete stressing and performance testing of tiebacks. Complete demobilization and restoration of the Site upon conclusion of tieback operations.
- Complete operation and monitoring of the tieback fluids pre-treatment system. Complete decontamination and demobilization of equipment.
- Complete king piles and sheeting installation for the west wall of the enclosure construction. Begin king pile and sheeting installation for the north wall. Continue ancillary steel installation.
- Continue installation of sediment processing system equipment at the UPF including the installation of mechanical and electrical equipment for the membrane filter presses, sludge holding tanks, and the gravity thickener tank.
- Continue the installation of the water treatment system at the UPF.

### Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 3 (41)
  - Job Loss Analysis (JLAs) – 2 (26)
  - Near Loss – 0 (9)
  - Incidents – 0 (2)
  - Stop Work Authority 1 – (22) - Stop work exercised when air monitoring results indicated the presence of carbon monoxide. Equipment was relocated and hazard was eliminated.
  - Estimated field man hours to date – 31,450 hours.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Enclosure construction for the west wall*



*Bridge installation on one of the sludge holding tanks*



*Sediment processing system construction looking east*

**Weekly Construction Progress Report #18  
(Continued)**

**Period:** 11/07/11 – 11/13/11

Construction Quality Assurance/Safety (continued):

- Land survey activities continue along the OU-1 floodwall and at the UPF site.
- Jersey Essay Labs collected the last grout samples during the tieback installation at the OU-1 site for laboratory testing. All sample results to date have been within acceptable limits.
- Performance testing on tiebacks completed to date has indentified no deficiencies.
- The team has continued monitoring of vibrations in adjacent structures during king/sheet pile installation.
- ARCADIS is scheduled to conduct the second round of underwater sound monitoring during the week of November 7, 2011.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).
- Construction activities will be suspended in observance of the Thanksgiving Holiday on Thursday, November 24, 2011. Work will resume on Friday, November 25, 2011.

Prepared by Matthew Bowman, November 15, 2011

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



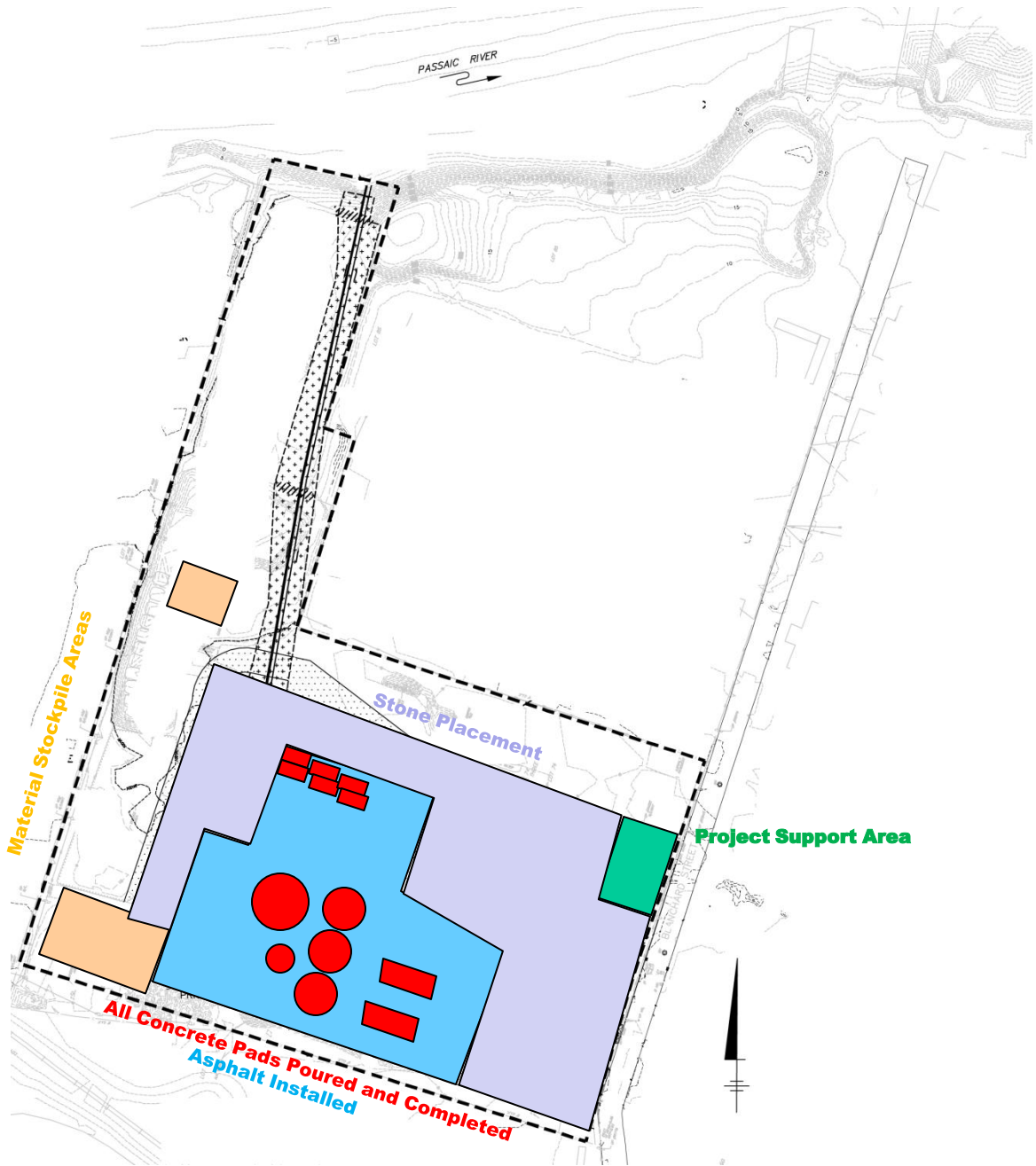
*Membrane filter press control panel energized*



*Electrical installation of sediment processing equipment*

**Weekly Construction Progress Report #18  
(Continued)**

Period: 11/07/11 – 11/13/11



**UPF Property**

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**

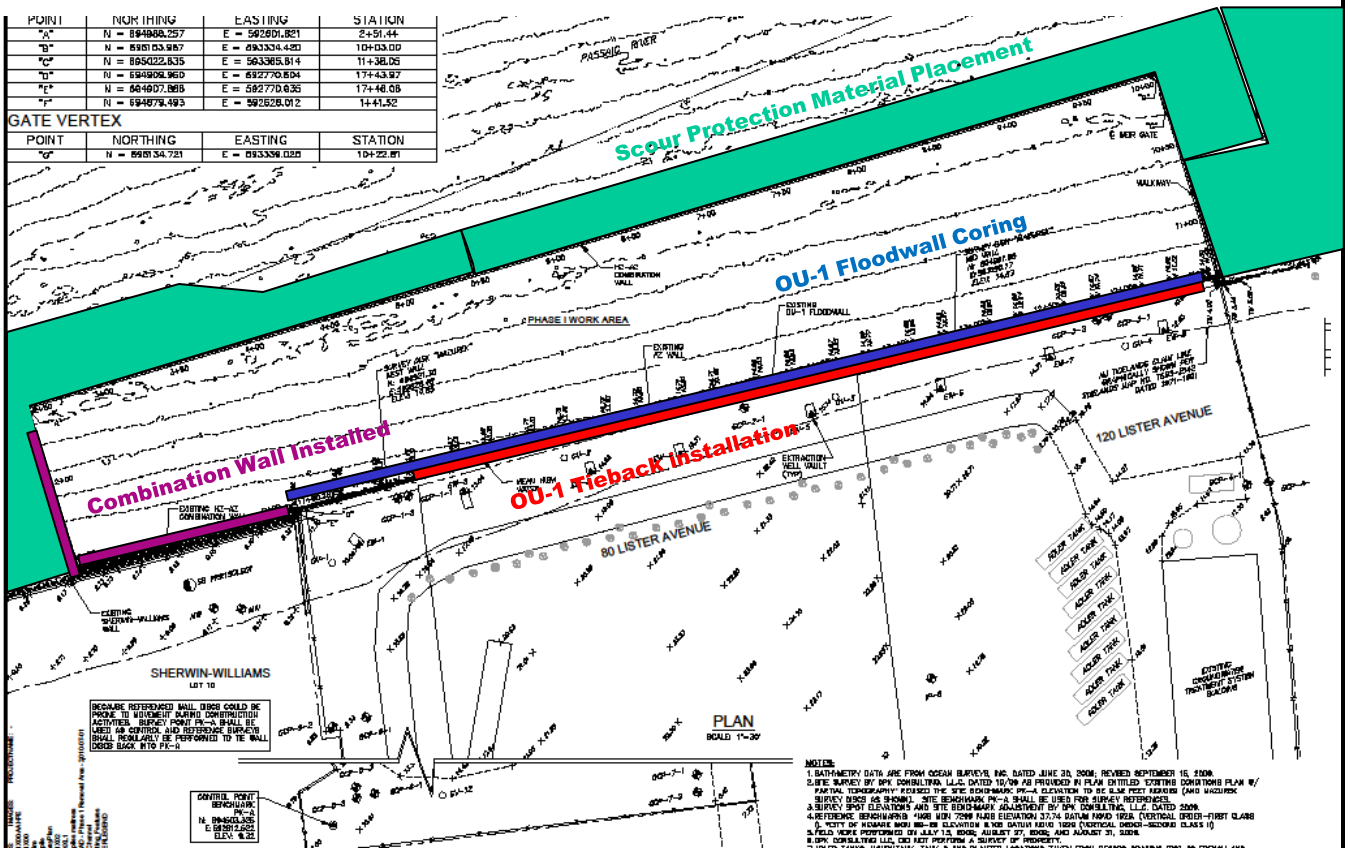
**Weekly Construction Progress Report #18  
(Continued)**

Period: 11/07/11 – 11/13/11

POINT	NORTHING	EASTING	STATION
"A"	N = 894985.257	E = 592851.351	2+51.44
"B"	N = 895015.887	E = 593334.422	10+03.00
"C"	N = 895022.635	E = 593365.514	11+38.05
"D"	N = 894904.960	E = 692770.604	17+43.97
"E"	N = 864607.888	E = 592770.636	17+48.08
"F"	N = 894678.493	E = 592628.012	14+41.92

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 898034.721	E = 693336.020	10+22.81



**OU-1 Property**



## Weekly Construction Progress Report #19

**Period:** 11/14/11 – 11/20/11

### Project Work Performed:

- Continued demobilization and decontamination of tieback drilling and fluid pre-treatment equipment. Completed stressing and performance testing of tiebacks.
- Completed operations of the tieback fluids pre-treatment system and discharge to the OU-1 groundwater treatment system (approximately 268,000 gallons treated total for the project). Begin decontamination and demobilization of equipment.
- Continued installation of king piles and sheeting for the north wall of the enclosure. Continued installation of ancillary steel components for the enclosure.
- Continued installation of electrical and mechanical components of the sediment processing system. Completed delivery of the motor control center for the sediment processing system.
- Continued installation of electrical and mechanical components of the water treatment system. Completed delivery of the pump systems.
- Completed installation of the pump system for the storm water management system at the Upland Processing Facility (UPF).

### Planned Activities - Weeks of 11/21 & 11/28:

- Complete demobilization and restoration of the Site upon conclusion of tieback operations. Complete decontamination and demobilization of tieback fluids pre-treatment equipment.
- Continue king pile and sheeting installation for the north wall. Continue ancillary steel installation.
- Continue installation of mechanical and electrical components of the sediment processing system equipment at the UPF.
- Continue the installation of mechanical and electrical components of the water treatment system at the UPF, including the delivery of the pre-fabricator control housing.
- Begin electrical service installation at the UPF for winterization equipment, lighting, storm water management system, and construction trailers.

### Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 4 (45)
  - Job Loss Analysis (JLAs) – 0 (26)
  - Near Loss – 1 (10) – A hose on the hydraulic power pack failed causing the jaws of the vibratory hammer to fail. Safety lines worked as intended.
  - Incidents – 0 (2)
  - Stop Work Authority 1 – (22)
  - Estimated field man hours to date – 34,800 hours.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Stressing and performance testing of tiebacks along the OU-1 floodwall*



*Pile installation for the north wall of the enclosure*



*Component testing for a membrane filter press*

**Weekly Construction Progress Report #19  
(Continued)**

**Period:** 11/14/11 – 11/20/11

Construction Quality Assurance/Safety (continued):

- Land survey activities continue along the OU-1 floodwall and at the UPF site.
- Performance testing on tiebacks has been completed and no deficiencies were identified.
- The team has continued monitoring of vibrations in adjacent structures during king/sheet pile installation.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).
- Construction activities will be suspended in observance of the Thanksgiving Holiday on Thursday, November 24, 2011. Work will resume on Friday, November 25, 2011.

Prepared by Matthew Bowman, November 21, 2011

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



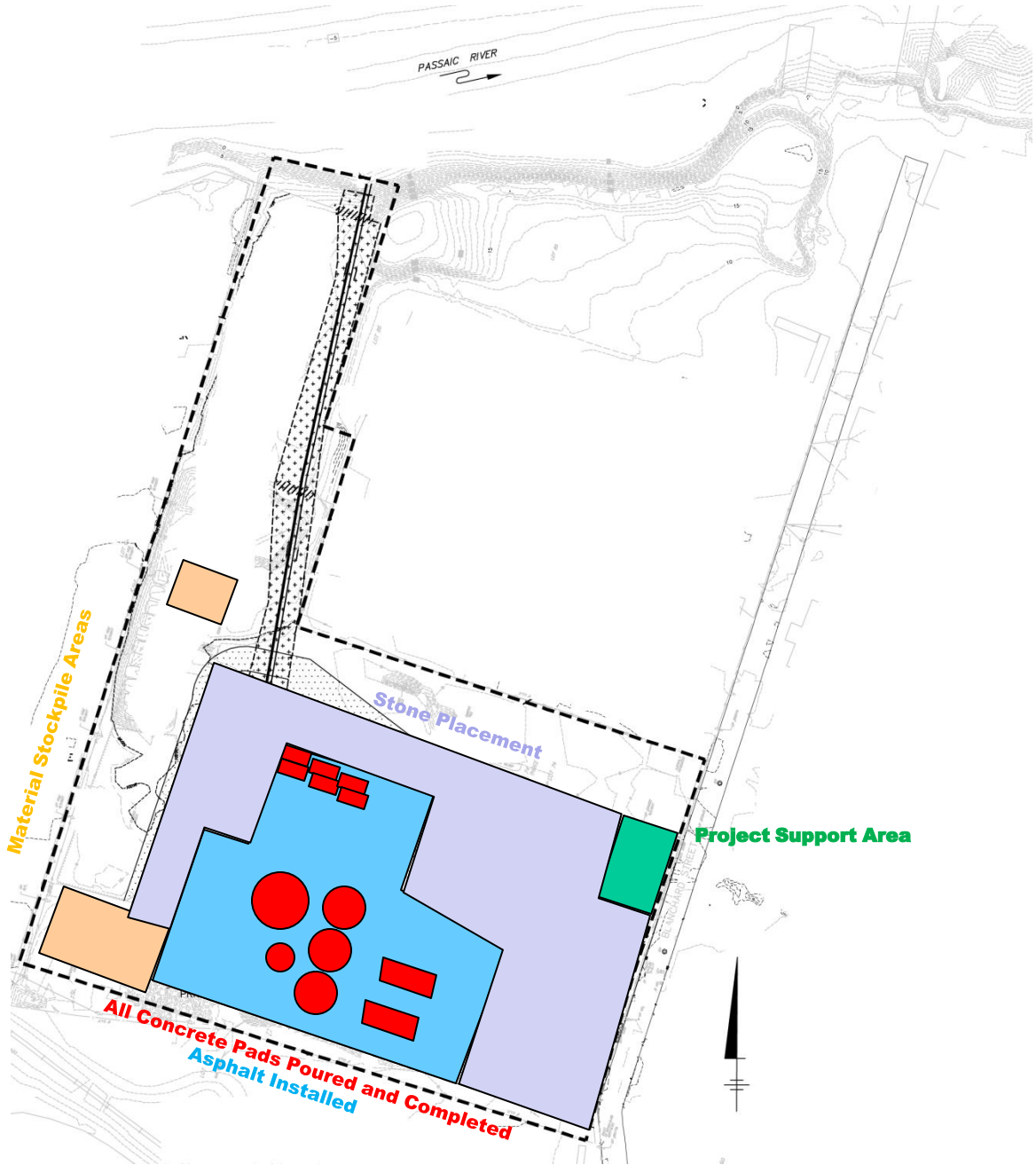
*Piping fabrication for the sediment processing system*



*Management of tieback cuttings*

**Weekly Construction Progress Report #19  
(Continued)**

Period: 11/14/11 – 11/20/11



**UPF Property**

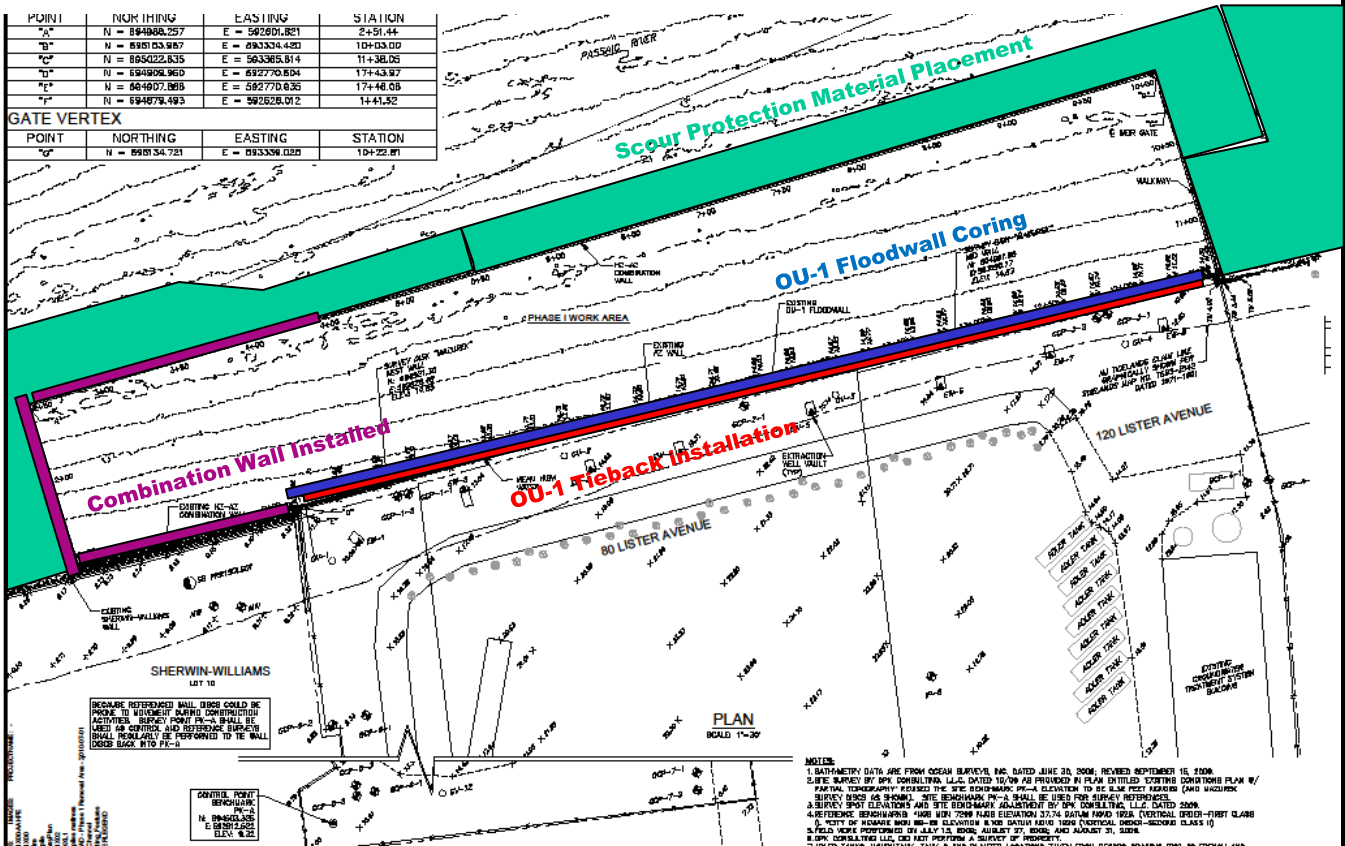
**Weekly Construction Progress Report #19  
(Continued)**

Period: 11/14/11 – 11/20/11

POINT	NORTHING	EASTING	STATION
"A"	N = 894985.257	E = 592851.351	2+51.44
"B"	N = 895153.987	E = 593336.422	10+03.00
"C"	N = 895022.635	E = 593365.514	11+38.05
"D"	N = 894904.960	E = 592770.604	17+43.97
"E"	N = 894907.888	E = 592770.636	17+48.08
"F"	N = 894878.493	E = 592628.012	14+41.92

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 895034.721	E = 593336.020	10+22.81



**OU-1 Property**

## Weekly Construction Progress Report #20

**Period:** 11/21/11 – 11/27/11

### Project Work Performed:

- Continued demobilization and decontamination of tieback drilling and fluid pre-treatment equipment. Continued site restoration activities for the OU-1 Property.
- Continued installation of king piles and sheeting for the north wall of the enclosure. Continued installation of ancillary steel components for the enclosure.
- Continued installation of electrical and mechanical components of the sediment processing system. Successfully completed programming and electrical testing of the membrane filter presses.
- Continued installation of electrical and mechanical components of the water treatment system, including piping to the pump buildings.

### Planned Activities - Weeks of 11/28 & 12/5:

- Complete demobilization and restoration of the Site upon conclusion of tieback operations. Complete decontamination and demobilization of tieback fluids pre-treatment equipment.
- Continue king pile and sheeting installation for the north wall. Continue ancillary steel installation.
- Continue installation of mechanical and electrical components of the sediment processing system equipment at the UPF.
- Continue the installation of mechanical and electrical components of the water treatment system at the UPF, including the delivery of the pre-fabricator control housing.
- Begin electrical service installation at the UPF for winterization equipment, lighting, storm water management system, and construction trailers.

### Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 2 (47)
  - Job Loss Analysis (JLAs) – 0 (26)
  - Near Loss – 0 (10)
  - Incidents – 0 (2)
  - Stop Work Authority 0 – (22)
  - Estimated field man hours to date – 36,950 hours.
- All of the soil removed from the UPF property for disposal has arrived at the Lone Mountain Oklahoma Clean Harbors Disposal Facility.
- Wet testing of tanks and the water treatment system will occur the week of the December 12, 2011.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Completed tiebacks along the OU-1 floodwall*



*Pile installation for the north wall of the enclosure*



*Motor control panels for the sediment processing system*

**Weekly Construction Progress Report #20  
(Continued)**

**Period:** 11/21/11 – 11/27/11

Construction Quality Assurance/Safety (continued):

- Land survey activities continue along the OU-1 floodwall and at the UPF site.
- The team has continued monitoring of vibrations in adjacent structures during king/sheet pile installation.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).
- Construction activities was suspended in observance of the Thanksgiving Holiday on Thursday, November 24, 2011. Work resumed on Friday, November 25, 2011.

Prepared by Matthew Bowman, November 29, 2011

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



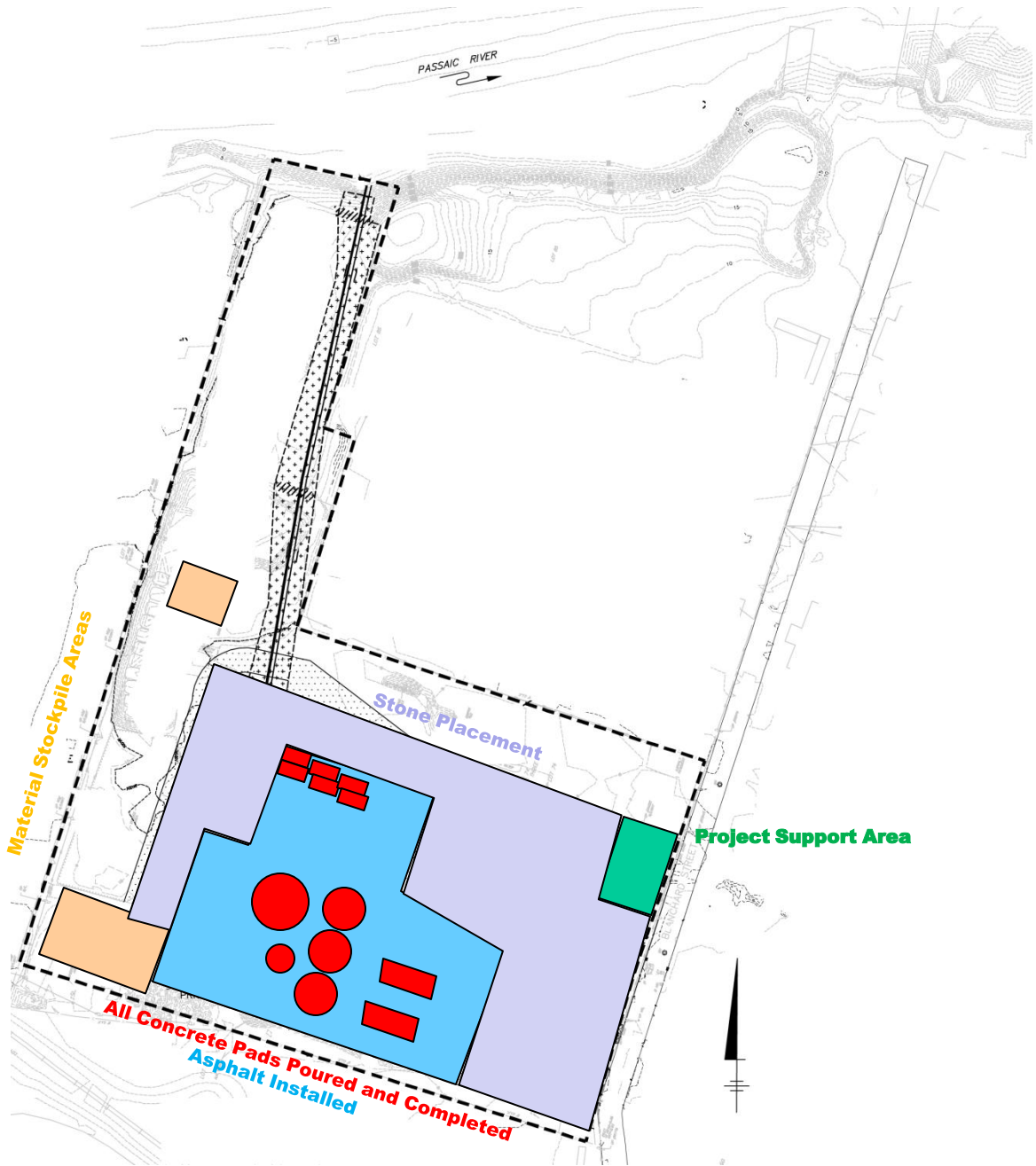
*View of the completed west half of the enclosure walls*



*Water treatment system*

**Weekly Construction Progress Report #20  
(Continued)**

Period: 11/21/11 – 11/27/11



**UPF Property**

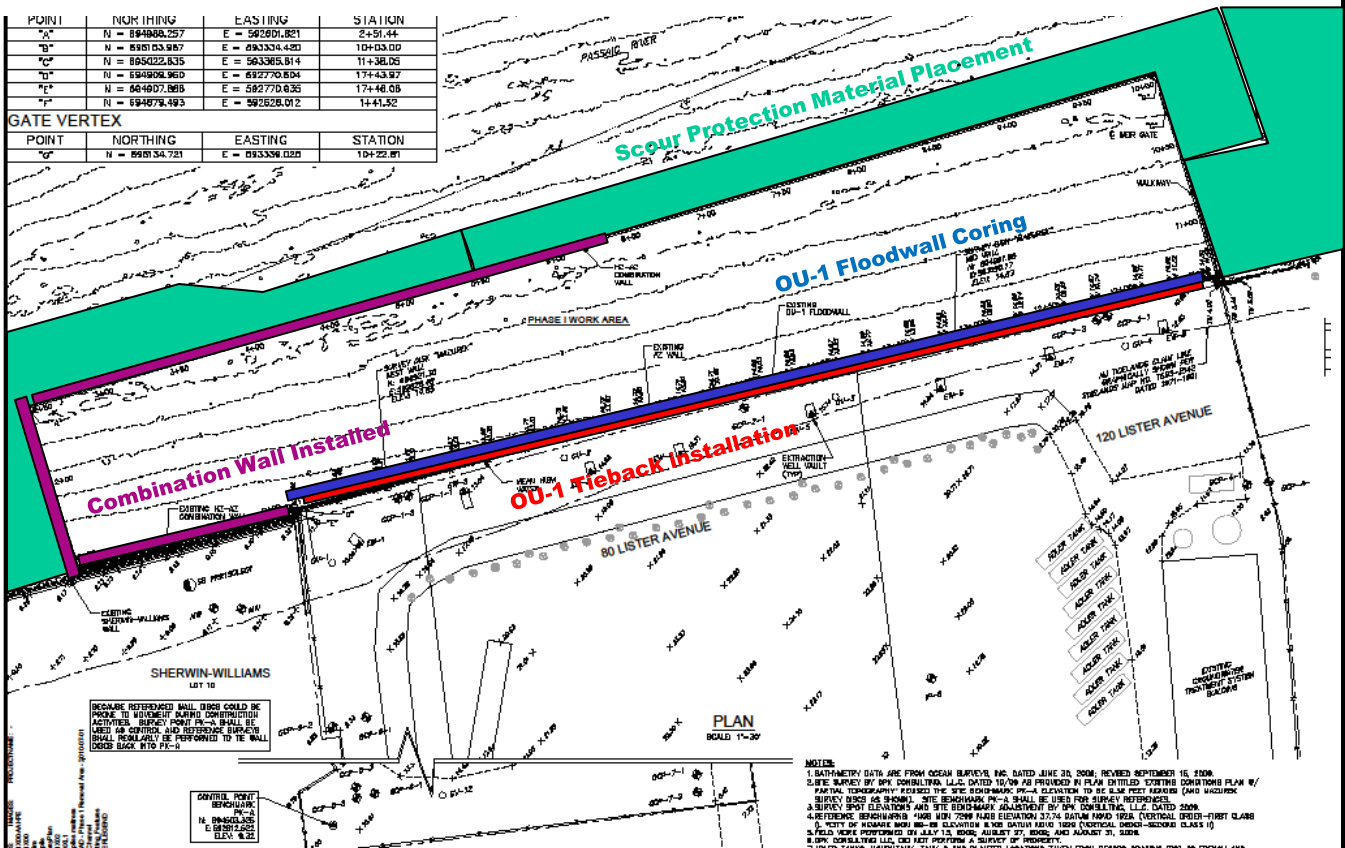
**Weekly Construction Progress Report #20  
(Continued)**

Period: 11/21/11 – 11/27/11

POINT	NORTHING	EASTING	STATION
"A"	N = 894985.257	E = 592851.351	2+51.44
"B"	N = 895013.887	E = 593336.422	10+03.00
"C"	N = 895022.635	E = 593365.514	11+38.05
"D"	N = 894904.960	E = 692770.604	17+43.97
"E"	N = 864607.888	E = 592770.635	17+48.08
"F"	N = 894678.493	E = 592628.012	14+41.92

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 898034.721	E = 693336.020	10+22.81



**OU-1 Property**



**Weekly Construction Progress Report #21****Period:** 11/28/11 – 12/04/11Project Work Performed:

- Continued demobilization and decontamination of tieback drilling and fluid pre-treatment equipment. Continued site restoration activities for the OU-1 Property.
- Continued installation of king piles and sheeting for the north wall of the enclosure. Continued installation of ancillary steel components for the enclosure.
- Continued installation of electrical and mechanical components of the sediment processing system at the Upland Processing Facility (UPF).
- Continued installation of electrical and mechanical components of the water treatment system at the UPF.
- Began installation support structures at the river along the UPF property for water treatment discharge piping and hydraulic pipeline.

Planned Activities - Weeks of 12/5 & 12/12:

- Complete demobilization and restoration of the OU-1 Property. Complete decontamination and demobilization of tieback fluids pre-treatment equipment.
- Continue king pile and sheeting installation for the north wall. Continue ancillary steel installation.
- Continue installation of mechanical and electrical components of the sediment processing system equipment at the UPF.
- Continue the installation of mechanical and electrical components of the water treatment system at the UPF, including the delivery of the pre-fabricator control housing.
- Complete installation of the water treatment discharge line and associated support structures.
- Begin electrical service installation at the UPF for winterization equipment, lighting, storm water management system, and construction trailers.
- Begin winterization of equipment and materials at the UPF.

Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 3 (51)
  - Job Loss Analysis (JLAs) – 3 (29)
  - Near Loss – 0 (10)
  - Incidents – 0 (2)
  - Stop Work Authority 2 – (24)
  - Estimated field man hours to date – 40,300 hours.
- Wet testing of tanks and the water treatment system will occur during the week of the December 12, 2011.

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**

*Vibratory hammer installing the template for enclosure wall construction*



*Pile installation for the north wall of the enclosure*



*Sediment processing system contingency tanks*

**Weekly Construction Progress Report #21  
(Continued)**

**Period:** 11/28/11 – 12/04/11

Construction Quality Assurance/Safety (continued):

- Land survey activities continue along the OU-1 floodwall and at the UPF site.
- The team has continued monitoring of vibrations in adjacent structures during king/sheet pile installation.
- Completed underwater sound monitoring event during the week of November 28, 2011.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman, December 6, 2011

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



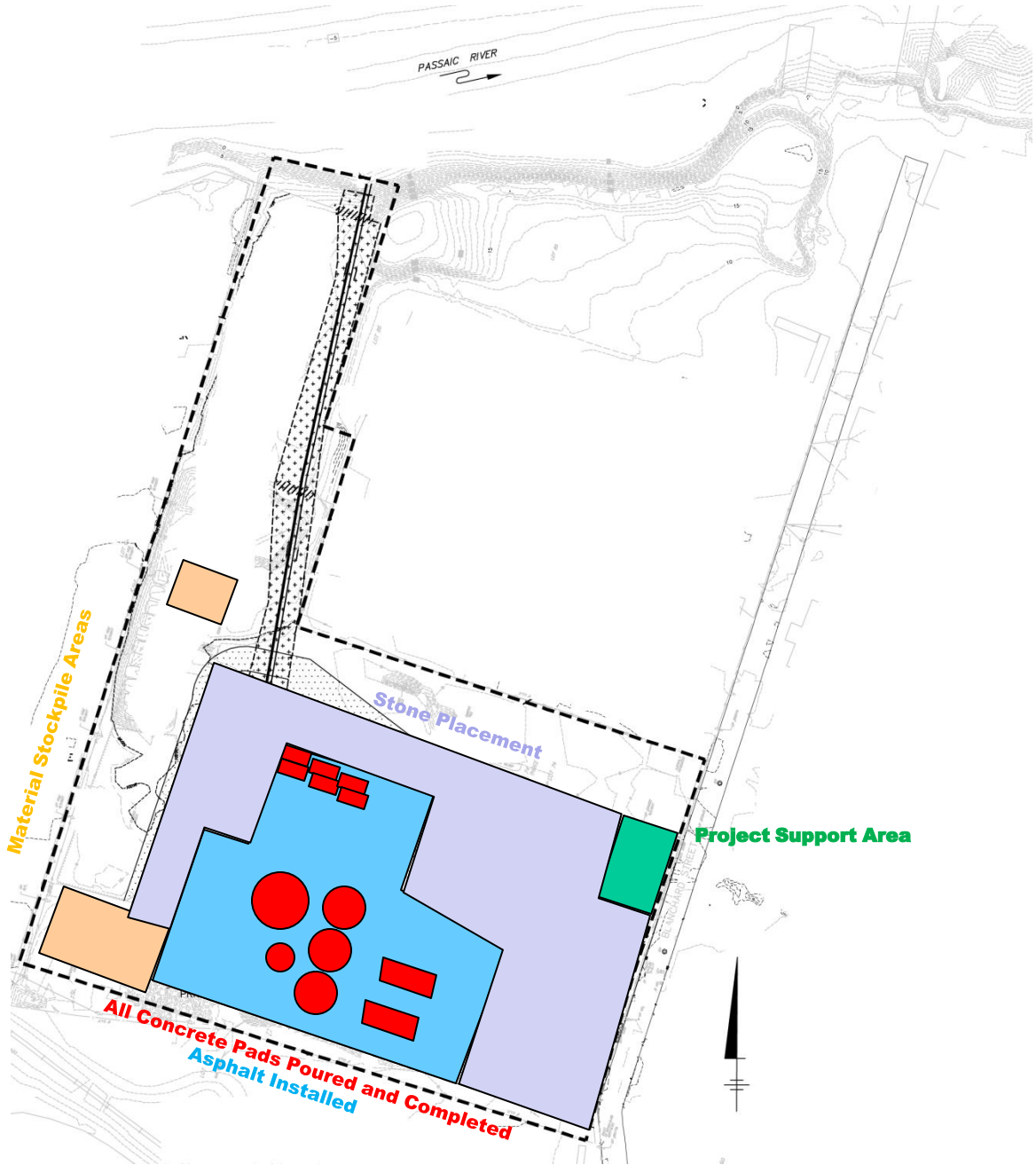
*Beginning to establish support structures at the river's edge at the UPF*



*Cable tray and electrical installation for the sediment processing system*

**Weekly Construction Progress Report #21  
(Continued)**

Period: 11/28/11 – 12/04/11



**UPF Property**

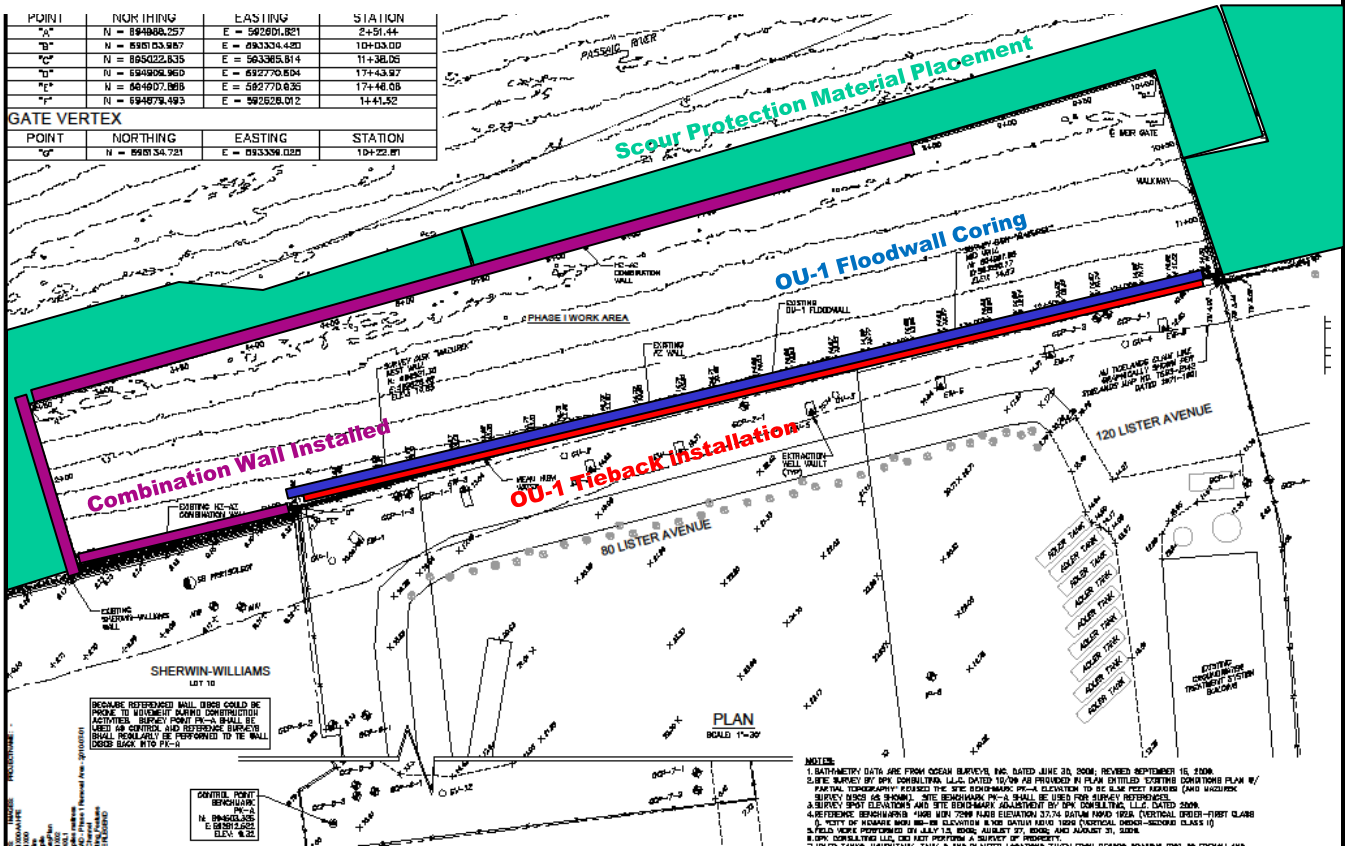
**Weekly Construction Progress Report #21  
(Continued)**

Period: 11/28/11 – 12/04/11

POINT	NORTHING	EASTING	STATION
"A"	N = 894985.257	E = 592851.351	2+51.44
"B"	N = 895153.987	E = 593336.422	10+03.00
"C"	N = 895222.635	E = 593365.514	11+38.05
"D"	N = 894904.960	E = 692770.604	17+43.97
"E"	N = 864607.888	E = 592770.636	17+48.08
"F"	N = 894678.493	E = 592628.012	14+41.92

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 898134.721	E = 693336.020	10+22.81



**OU-1 Property**

## Weekly Construction Progress Report #22

Period: 12/05/11 – 12/11/11

### Project Work Performed:

- Completed demobilization and decontamination of tieback drilling and fluid pre-treatment equipment. Continued site restoration activities for the OU-1 Property.
- Continued installation of king piles and sheeting for the north wall of the enclosure. Continued installation of ancillary steel components and walkway for the enclosure.
- Continued installation of electrical and mechanical components of the sediment processing system at the Upland Processing Facility (UPF). Began placing water into the system for operational and leak testing.
- Continued installation of electrical and mechanical components of the water treatment system at the UPF.
- Completed installation of support structures at the river along the UPF property for water treatment discharge piping and hydraulic pipeline.
- Completed installation of the discharge piping for the water treatment system.

### Planned Activities - Weeks of 12/12 & 12/19:

- Complete king pile and sheeting installation for the north wall. Continue ancillary steel and walkway installation. Work barges for dredging is scheduled to be placed in the enclosure on December 19, 2011.
- Continue installation of mechanical and electrical components of the sediment processing system equipment at the UPF.
- Continue the installation of mechanical and electrical components of the water treatment system at the UPF.
- Continue operational and leak testing of the water treatment and sediment processing systems.
- Begin electrical service installation at the UPF for winterization equipment, lighting, storm water management system, and construction trailers.
- Begin winterization of equipment and materials at the UPF.

### Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 3 (54)
  - Job Loss Analysis (JLAs) – 0 (29)
  - Near Loss – 0 (10)
  - Incidents – 0 (2)
  - Stop Work Authority 2 – (26) – One for weather and one for worker's use of a ladder.
  - Estimated field man hours to date – 43,800 hours.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



Wale installation in the northeast corner of the enclosure



Walkway installation along the north wall of the enclosure



Delivery of agitators for the sludge holding tanks

**Weekly Construction Progress Report #22  
(Continued)**

**Period:** 12/05/11 – 12/11/11

Construction Quality Assurance/Safety (continued):

- Land survey activities continue along the OU-1 floodwall and at the UPF site.
- The team has continued monitoring of vibrations in adjacent structures during king/sheet pile installation.
- Continued air monitoring and noise monitoring for worker protection at the Site.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman, December 12, 2011

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



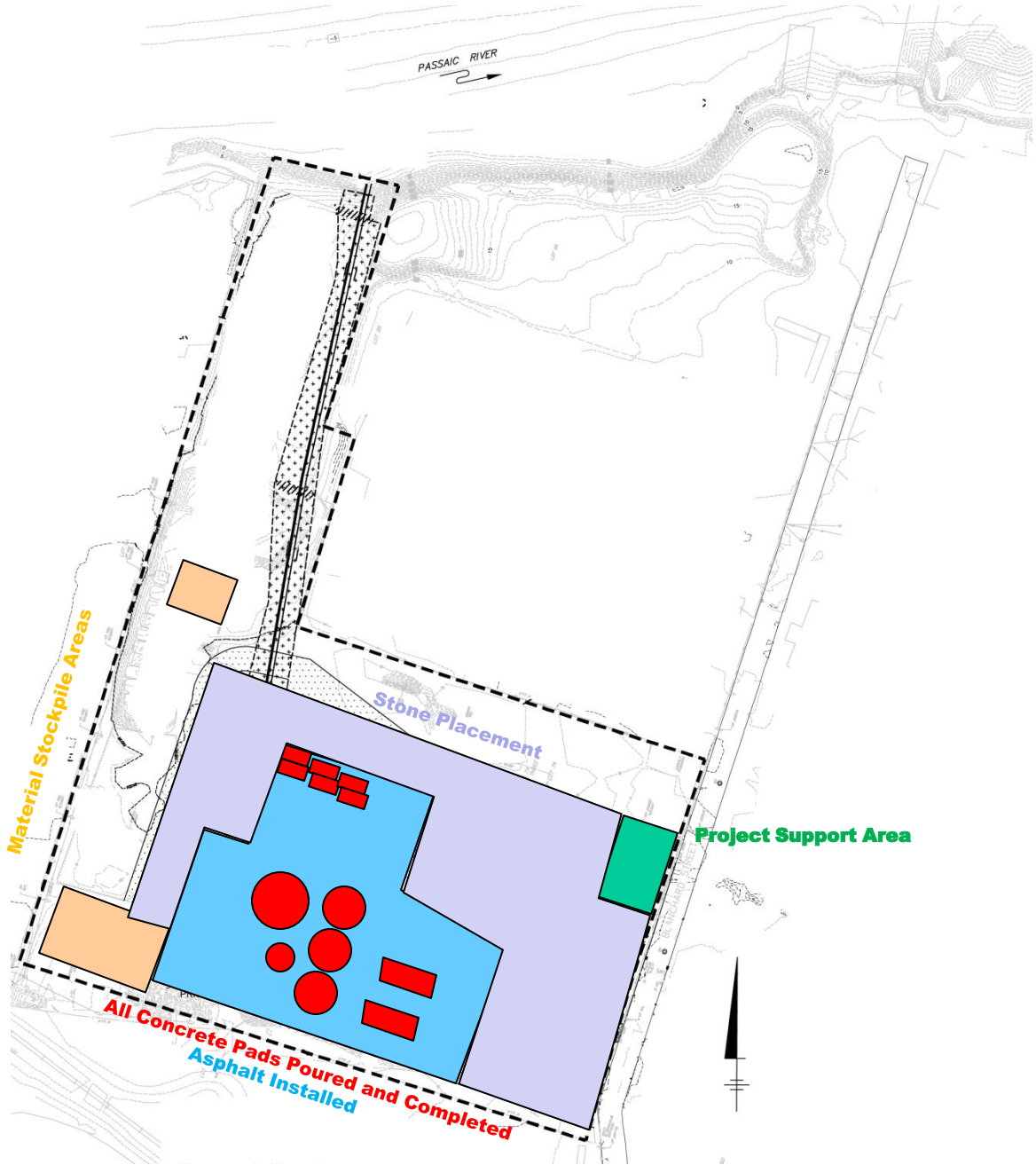
*Gravity thickener with water for system operational and leak testing*



*Installation of the final template for the north wall*

**Weekly Construction Progress Report #22  
(Continued)**

Period: 12/05/11 – 12/11/11



**UPF Property**

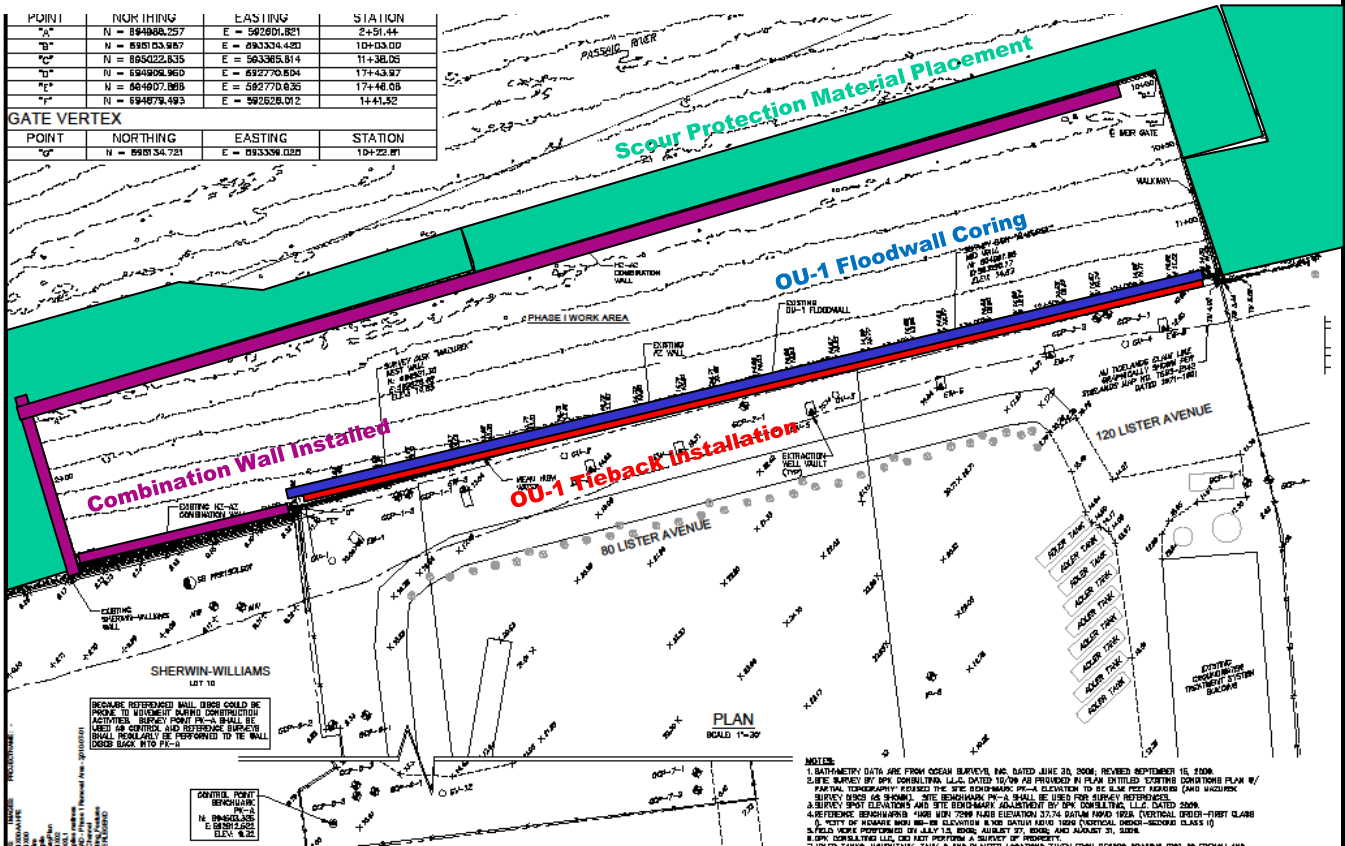
**Weekly Construction Progress Report #22  
(Continued)**

Period: 12/05/11 – 12/11/11

POINT	NORTHING	EASTING	STATION
"A"	N = 894985.257	E = 592851.351	2+51.44
"B"	N = 895153.887	E = 593336.422	10+03.00
"C"	N = 895022.635	E = 593365.514	11+38.05
"D"	N = 894904.960	E = 592770.604	17+43.97
"E"	N = 894907.888	E = 592770.636	17+48.08
"F"	N = 894878.493	E = 592628.012	14+41.92

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 895034.721	E = 593336.020	10+22.81



**OU-1 Property**



## Weekly Construction Progress Report #23

**Period:** 12/12/11 – 12/18/11

### Project Work Performed:

- Completed installation of king piles and sheeting for the north wall of the enclosure. Continued installation of ancillary steel components and walkway for the enclosure.
- Continued assembly of the sediment screening and pumping system on a barge at Weeks Yard.
- Completed welding of sections of the hydraulic pipeline at the Upland Processing Facility (UPF).
- Continued installation of electrical and mechanical components of the sediment processing system at the UPF. Continued circulating water in the system for startup and leak testing.
- Completed installation of electrical and mechanical components of the water treatment system at the UPF.
- Began electrical service installation at the UPF for winterization equipment, lighting, storm water management system, and construction trailers.

### Planned Activities - Weeks of 12/19 & 12/26:

- Begin king pile and sheeting installation for the east wall. Continue ancillary steel and walkway installation. Complete the movement of work barges for dredging into the enclosure.
- Complete assembly of the sediment screening and pumping system on a barge.
- Continue programming and testing of electrical components of the sediment processing system equipment at the UPF.
- Complete operational and leak testing of the water treatment and sediment processing systems at the UPF.
- Complete electrical service installation at the UPF for winterization equipment, lighting, storm water management system, and construction trailers.
- Begin winterization of equipment and materials at the UPF.

### Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 3 (57)
  - Job Loss Analysis (JLAs) – 1 (30)
  - Near Loss – 1 (11) – Relief valve on water treatment system ruptured during clean water testing.
  - Incidents – 1 (3) – Boom on barge-mounted crane bent and failed during operations. No one was hurt and the crane was the equipment that was damaged.
  - Stop Work Authority 2 – (28)
  - Estimated field man hours to date – 46,300 hours.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Assembly of barge-mounted sediment screening system at Weeks Yard*



*Wale installation along the north wall of the enclosure*



*Installation of site electrical and lighting*

**Weekly Construction Progress Report #23  
(Continued)**

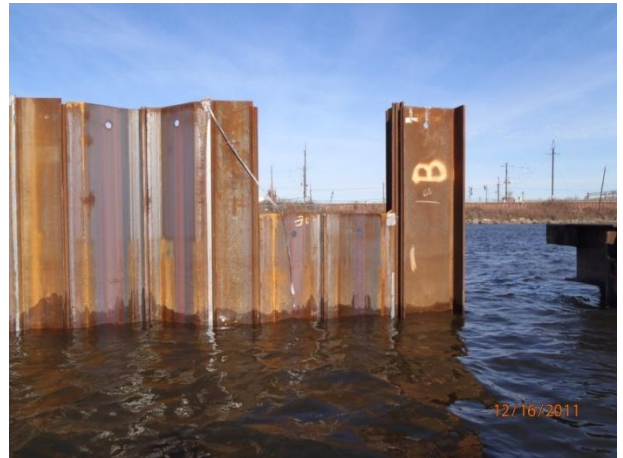
**Period:** 12/12/11 – 12/18/11

Construction Quality Assurance/Safety (continued):

- Land survey activities continue along the OU-1 floodwall and at the UPF site.
- The team has continued monitoring of vibrations in adjacent structures during king/sheet pile installation.
- Continued air monitoring and noise monitoring for worker protection at the Site.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).
- No work activities will be performed at the Site on December 24, 25, 26, 30, 2011, and January 1 and 2, 2012, in observance of the Christmas and New Years holidays.
- No weekly report will be issued during the week of December 26, 2011. Weekly reports will resume the week of January 2, 2012.

Prepared by Matthew Bowman, December 19, 2011

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



*Enclosure steel at the northeast corner of the enclosure*



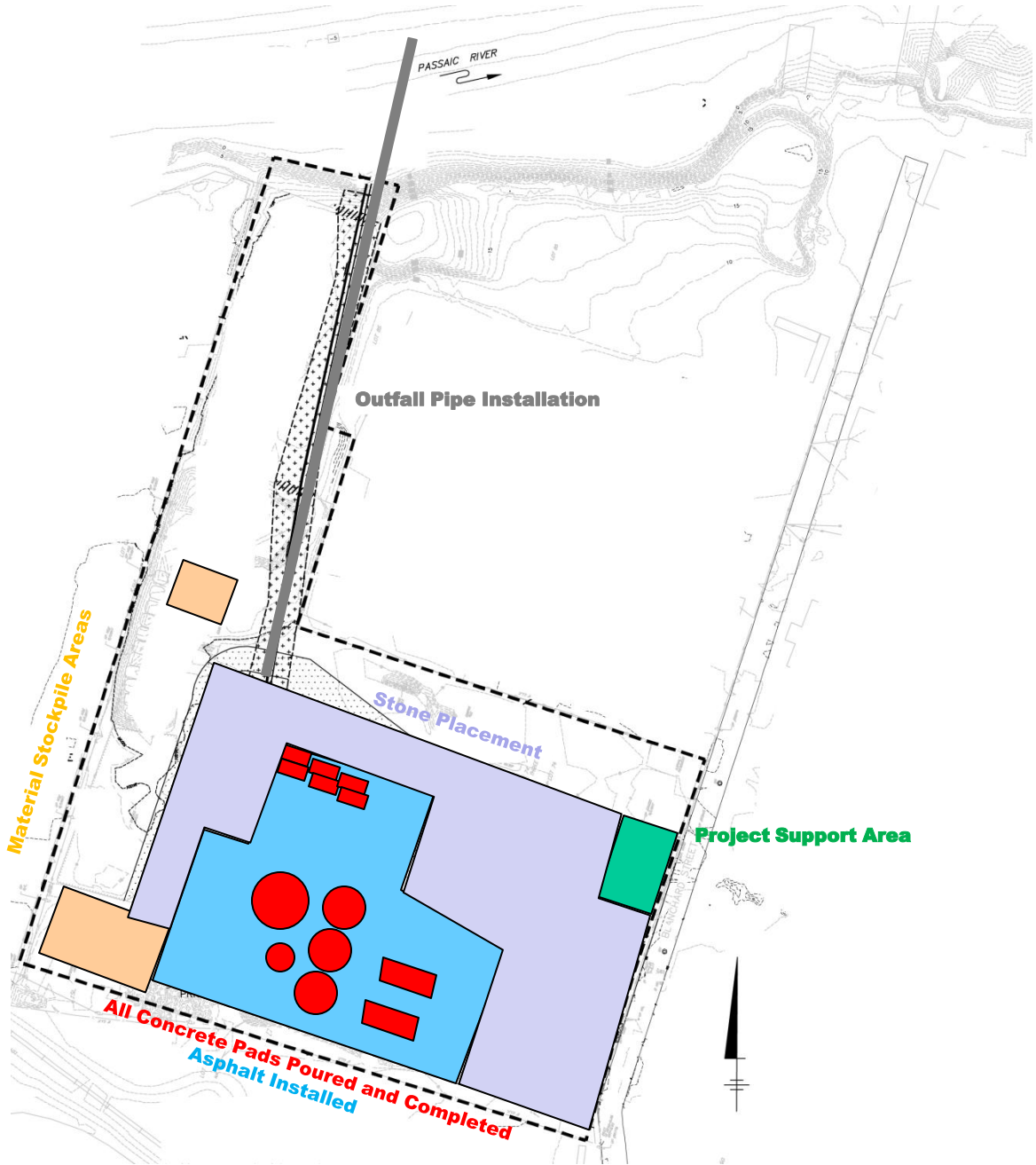
*Welding of sections of the hydraulic pipeline*



*Assembled water treatment system*

**Weekly Construction Progress Report #23  
(Continued)**

Period: 12/12/11 – 12/18/11



**UPF Property**

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**

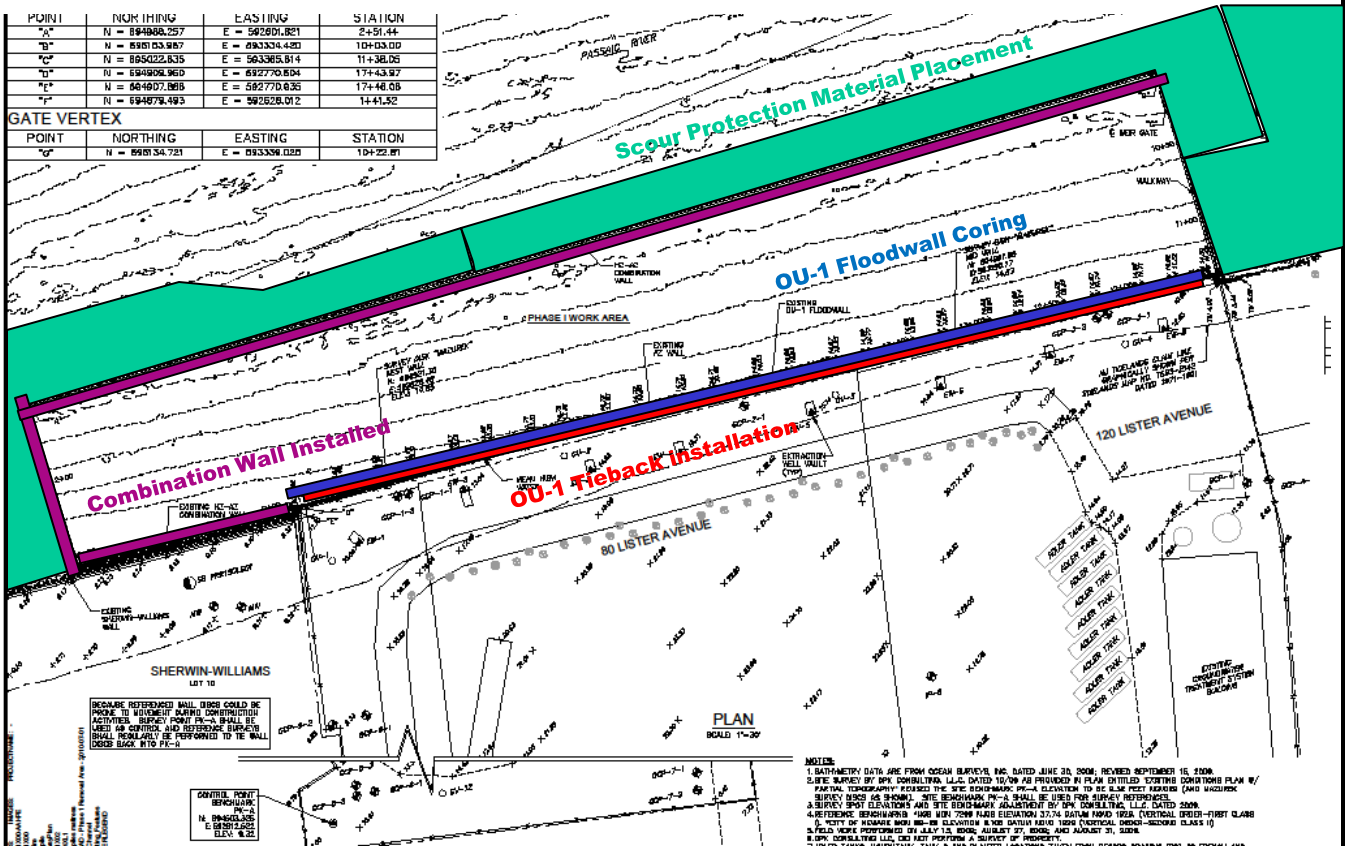
**Weekly Construction Progress Report #23  
(Continued)**

Period: 12/12/11 – 12/18/11

POINT	NORTHING	EASTING	STATION
"A"	N = 894985.257	E = 592851.351	2+51.44
"B"	N = 895153.987	E = 593336.422	10+03.00
"C"	N = 895222.635	E = 593365.514	11+38.05
"D"	N = 894904.960	E = 692770.604	17+43.97
"E"	N = 864607.888	E = 592770.636	17+48.08
"F"	N = 894678.493	E = 592628.012	14+41.92

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 898134.721	E = 693336.020	10+22.81



**OU-1 Property**

## Weekly Construction Progress Report #25

**Period:** 01/02/12 – 01/08/12

### Project Work Performed:

- Continued king pile and sheeting installation for the east wall of the enclosure.
- Continued installation of ancillary steel components, walkway, and wale along the north wall of the enclosure. Began installation of the weir gate.
- Completed greasing of trumpets and Class I corrosion protection measures for the OU-1 tiebacks.
- Continued installation of electrical and mechanical components of the sediment processing system at the Upland Processing Facility (UPF).
- Continued electrical service installation at the UPF for winterization equipment, lighting, storm water management system, and construction trailers.

### Planned Activities - Weeks of 01/09 & 01/16:

- Complete king pile and sheeting installation for the east wall. Continue ancillary steel and walkway installation for north and east walls.
- Complete weir gate installation.
- Complete installation of protective monopiles around the enclosure.
- Begin concrete mattress installation around the enclosure for scour protection.
- Begin installation of navigational buoys for the enclosure.
- Continue installation of electrical and mechanical components of the sediment processing system equipment at the UPF.
- Complete electrical service installation at the UPF for winterization equipment, lighting, storm water management system, and construction trailers. ARCADIS continues to coordinate with PSE&G to obtain a meter and temporary service.

### Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 0 (58)
  - Job Loss Analysis (JLAs) – 0 (30)
  - Near Loss – 0 (11)
  - Incidents – 0 (3)
  - Stop Work Authority 1 – (29) – Stop work to remove ice during the installation of the weir gate.
  - Estimated field man hours to date – 52,300 hours.
- ARCADIS performed a visual inspection of the scour protection mattresses and installation equipment at Weeks Yard on January 5, 2012.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Installation of the east wall of the enclosure*



*Test of spreader bar from concrete mattress installation*



*Finishing and corrosion protection activities for the tiebacks*

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**

**Weekly Construction Progress Report #25  
(Continued)**

**Period:** 01/02/12 – 01/08/12

Construction Quality Assurance/Safety (continued):

- Land survey activities continue along the OU-1 floodwall.
- The team has continued monitoring of vibrations in adjacent structures during king/sheet pile installation. The Geokon load cells for the tiebacks are in operation and being monitored.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman, January 09, 2012



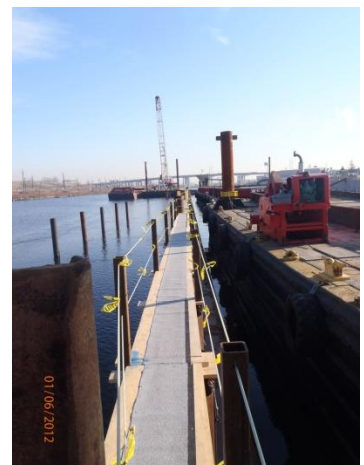
*Installation of piping for sediment processing system*



*Navigation aids delivered to the Site*



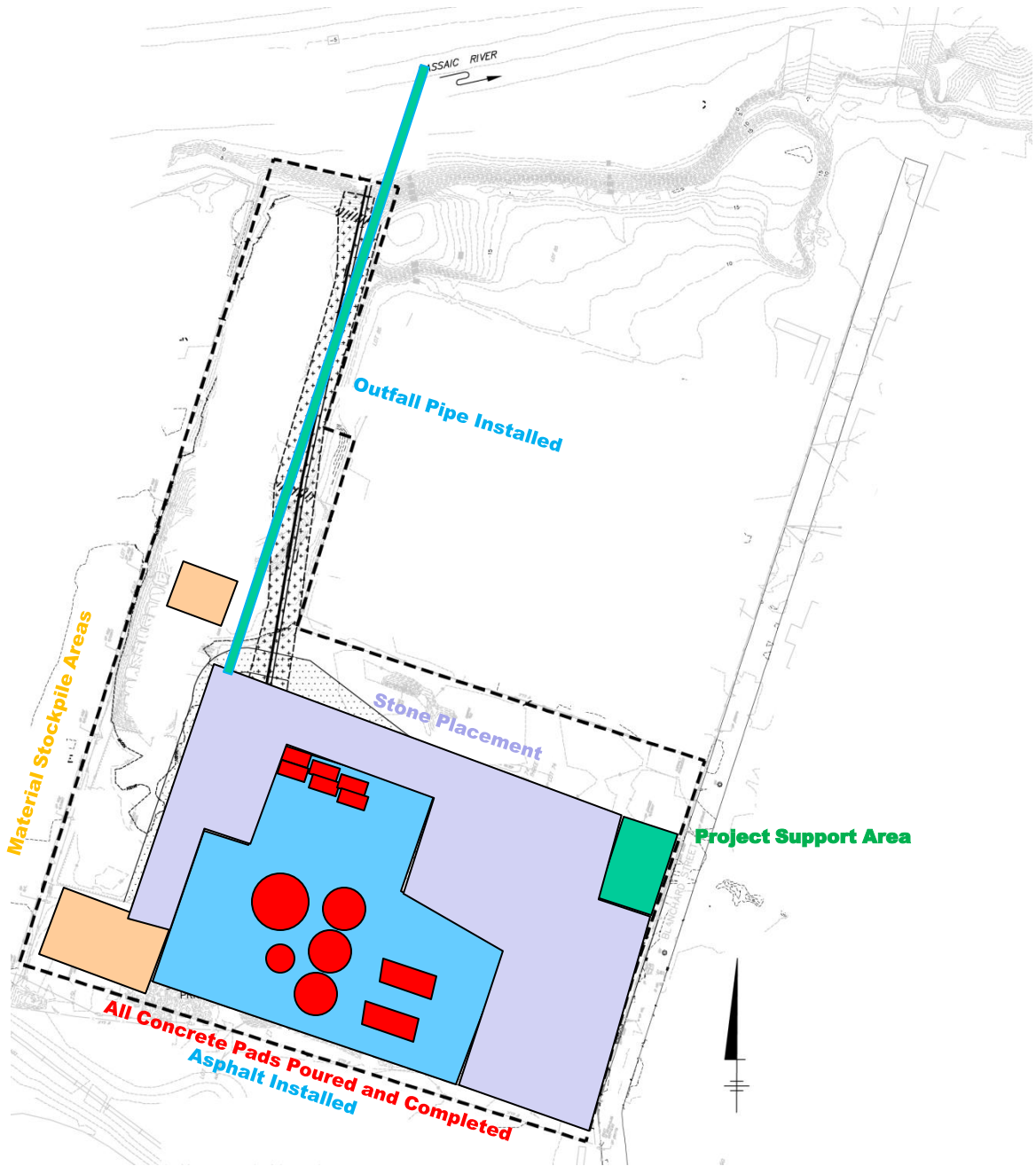
*Weir gate installation in the east wall*



*Walkway along the north wall*

**Weekly Construction Progress Report #25  
(Continued)**

Period: 01/02/12 – 01/08/12



**UPF Property**

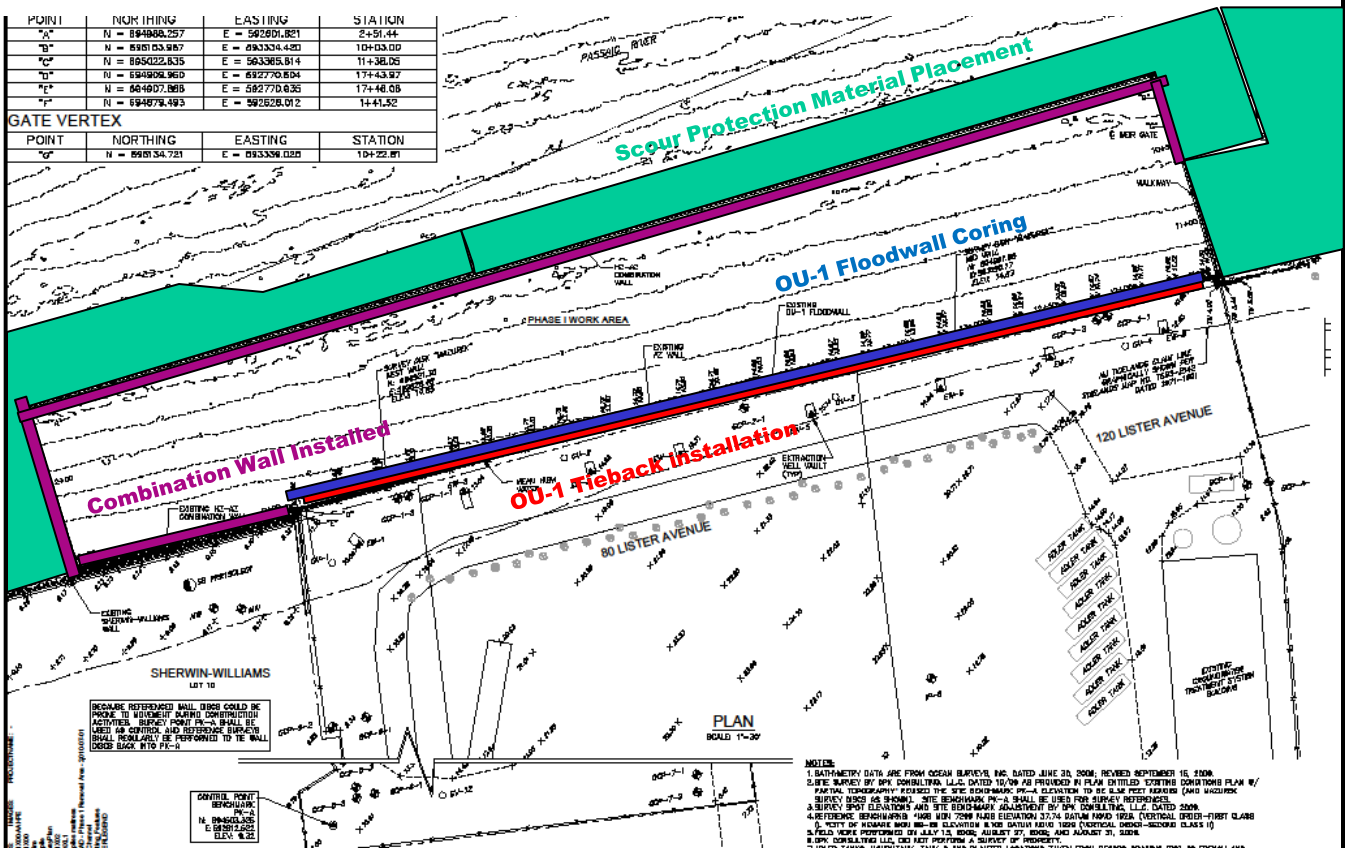
**Weekly Construction Progress Report #25  
(Continued)**

Period: 01/02/12 – 01/08/12

POINT	NORTHING	EASTING	STATION
"A"	N = 894985.257	E = 592851.351	2+51.44
"B"	N = 895153.987	E = 593336.422	10+03.00
"C"	N = 895222.635	E = 593365.514	11+38.05
"D"	N = 894904.960	E = 692770.604	17+43.97
"E"	N = 864607.888	E = 592770.635	17+48.08
"F"	N = 894678.493	E = 592628.012	14+41.92

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 898134.721	E = 693336.020	10+22.81



**OU-1 Property**



## Weekly Construction Progress Report #26

**Period:** 01/09/12 – 01/15/12

### Project Work Performed:

- Continued king pile and sheeting installation for the east wall of the enclosure.
- Continued installation of ancillary steel components, walkway, and wale along the north and east walls of the enclosure. Continued installation of the weir gate.
- Continued to take delivery of concrete mattresses at Weeks yard.
- Continued installation of electrical and mechanical components for the sediment processing system at the Upland Processing Facility (UPF). Completed delivery of conveyor system controls.
- Continued electrical service installation at the UPF for winterization equipment, lighting, storm water management system, and construction trailers.

### Planned Activities - Weeks of 01/16 & 01/23:

- Complete king pile and sheeting installation for the east wall. Continue ancillary steel and walkway installation for north and east walls.
- Continue installation of protective monopiles around the enclosure.
- Complete installation of the weir gate.
- Begin concrete mattress installation around the enclosure for scour protection.
- Begin installation of navigational buoys for the enclosure. Begin installation of the bubbler system for ice abatement within the enclosure.
- Continue installation of electrical and mechanical components for the sediment processing system equipment at the UPF.
- Complete electrical service installation at the UPF for winterization equipment, lighting, storm water management system, and construction trailers. ARCADIS continues to coordinate with PSE&G to obtain a meter and temporary service.

### Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 1 (59)
  - Job Loss Analysis (JLAs) – 0 (30)
  - Near Loss – 0 (11)
  - Incidents – 0 (3)
  - Stop Work Authority 0 – (29)
  - Estimated field man hours to date – 53,650 hours.
- The bird deterrence system for the enclosure is currently on order and will be installed once the equipment is delivered to the Site.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Enclosure and barges as seen from the East*



*View inside the shaker screen for the sediment processing system*



*Sediment process piping installed*

**Weekly Construction Progress Report #26  
(Continued)**

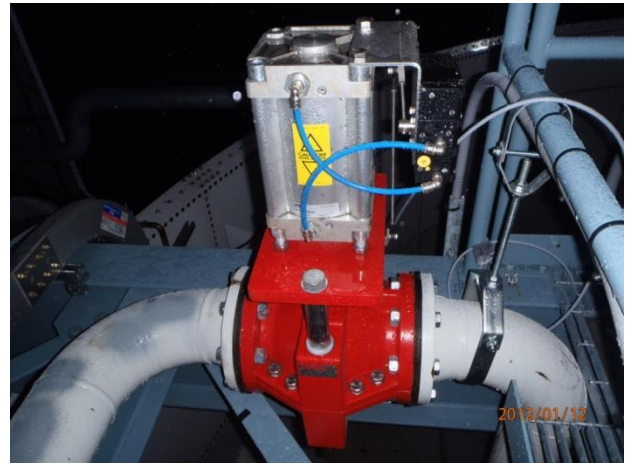
**Period:** 01/09/12 – 01/15/12

Construction Quality Assurance/Safety (continued):

- Land survey activities continue along the OU-1 floodwall.
- The team has continued monitoring of vibrations in adjacent structures during king/sheet pile installation. Vibration monitoring instruments will be removed upon conclusion of pile installation activities.
- Geokon load cells for the tiebacks are in operation and being monitored.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman, January 17, 2012

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



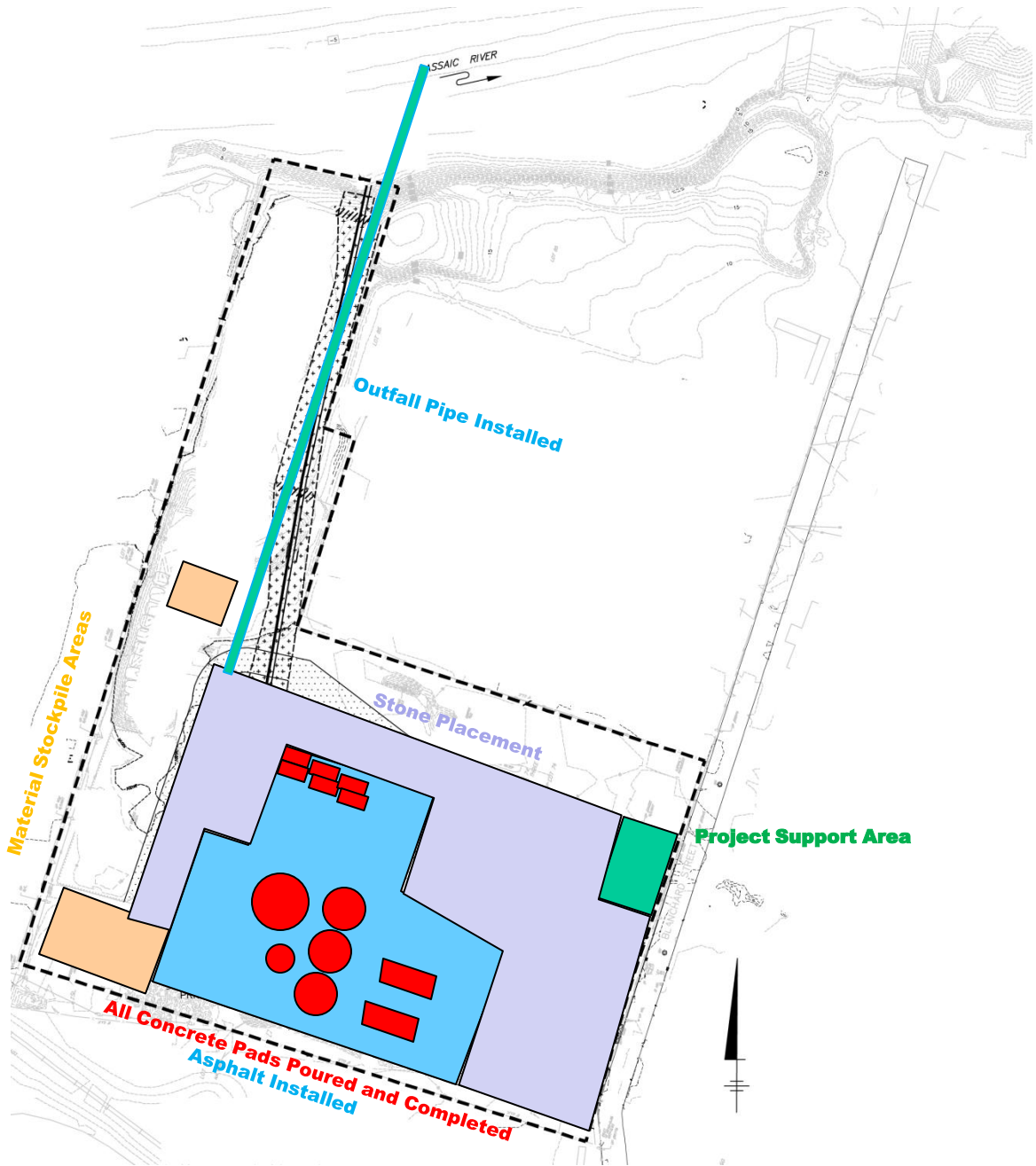
*Valve ingand instrumentation installed*



*View of the east wall of the enclosure*

**Weekly Construction Progress Report #26  
(Continued)**

Period: 01/09/12 – 01/15/12



**UPF Property**

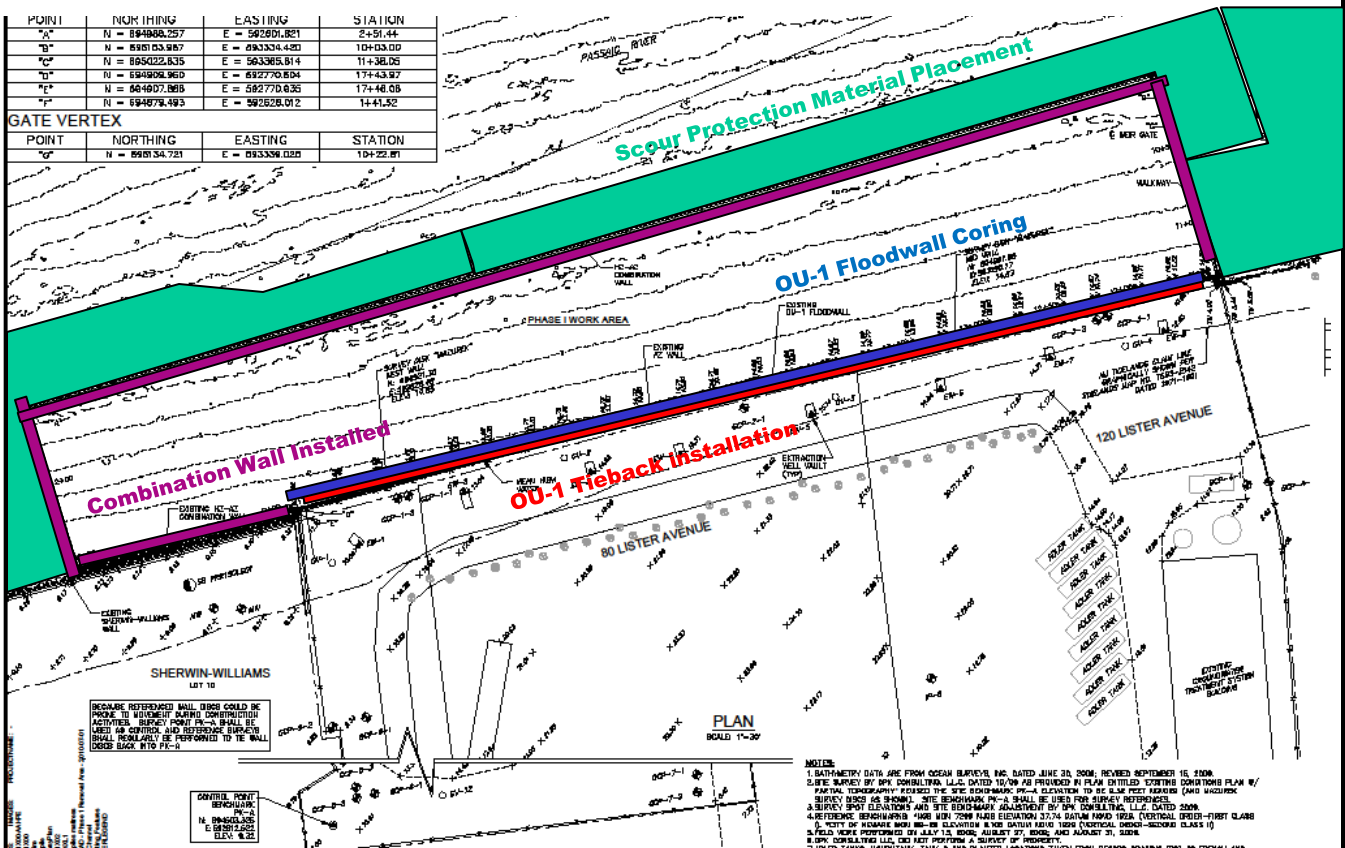
**Weekly Construction Progress Report #26  
(Continued)**

Period: 01/09/12 – 01/15/12

POINT	NORTHING	EASTING	STATION
"A"	N = 894985.257	E = 592851.351	2+51.44
"B"	N = 895153.987	E = 593336.422	10+03.00
"C"	N = 895222.635	E = 593365.514	11+38.05
"D"	N = 894904.960	E = 692770.604	17+43.97
"E"	N = 864607.888	E = 592770.635	17+48.08
"F"	N = 894678.493	E = 592628.012	14+41.92

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 898134.721	E = 693336.020	10+22.81



**OU-1 Property**

## Weekly Construction Progress Report #27

Period: 01/16/12 – 01/22/12

### Project Work Performed:

- Continued king pile and sheeting installation for the east wall of the enclosure.
- Continued installation of ancillary steel components, walkway, and wale along the north and east walls of the enclosure. Completed the installation of the weir gate. Completed installation of the bubbler system for ice management within the enclosure.
- Continued to take delivery of concrete mattresses at Weeks yard.
- Continued installation of electrical and mechanical components for the sediment processing system at the Upland Processing Facility (UPF).
- Continued electrical service installation at the UPF for winterization equipment, lighting, storm water management system, and construction trailers.

### Planned Activities - Weeks of 01/23 & 01/30:

- Complete king pile and sheeting installation for the east wall of the enclosure. Continue ancillary steel and walkway installation for north and east walls.
- Continue installation of protective monopiles around the enclosure.
- Begin concrete mattress installation around the enclosure for scour protection. Begin installation of navigational buoys for the enclosure.
- Complete final electrical and mechanical work for the SECI barge at the enclosure.
- Continue installation of mechanical components for the sediment processing system equipment at the UPF.
- Complete electrical service installation at the UPF for winterization equipment, lighting, storm water management system, and construction trailers. ARCADIS continues to coordinate with PSE&G to obtain a meter and temporary service.

### Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 0 (59)
  - Job Loss Analysis (JLAs) – 0 (30)
  - Near Loss – 0 (11)
  - Incidents – 1 (4) – A hydraulic crane working from a barge lost approximately 25 gallons of hydraulic fluid (mineral oil) due to a hydraulic line failure on January 20th. The fluid was contained and captured using absorbents and booms. USCG, NJDEP, and USEPA were notified.
  - Stop Work Authority 0 – (29)
  - Estimated field man hours to date – 55,215 hours.
- The bird deterrence system for the enclosure is currently on order and will be installed once the equipment is delivered to the Site.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Working on the final sheeting at the south east corner of the enclosure*



*View of weir gate in the east wall of the enclosure*



*Sand separation system of the sediment processing system*

**Weekly Construction Progress Report #27  
(Continued)**

**Period:** 01/16/12 – 01/22/12

Construction Quality Assurance/Safety (continued):

- Land survey activities continue along the OU-1 floodwall.
- The team has continued monitoring of vibrations in adjacent structures during king/sheet pile installation. Significant vibration readings were detected during the installation of the final steel sheet in the enclosure. The work has temporarily stopped while the team assesses its approach to the complete this final sheet.
- Geokon load cells for the tiebacks are in operation and being monitored.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman, January 23, 2012

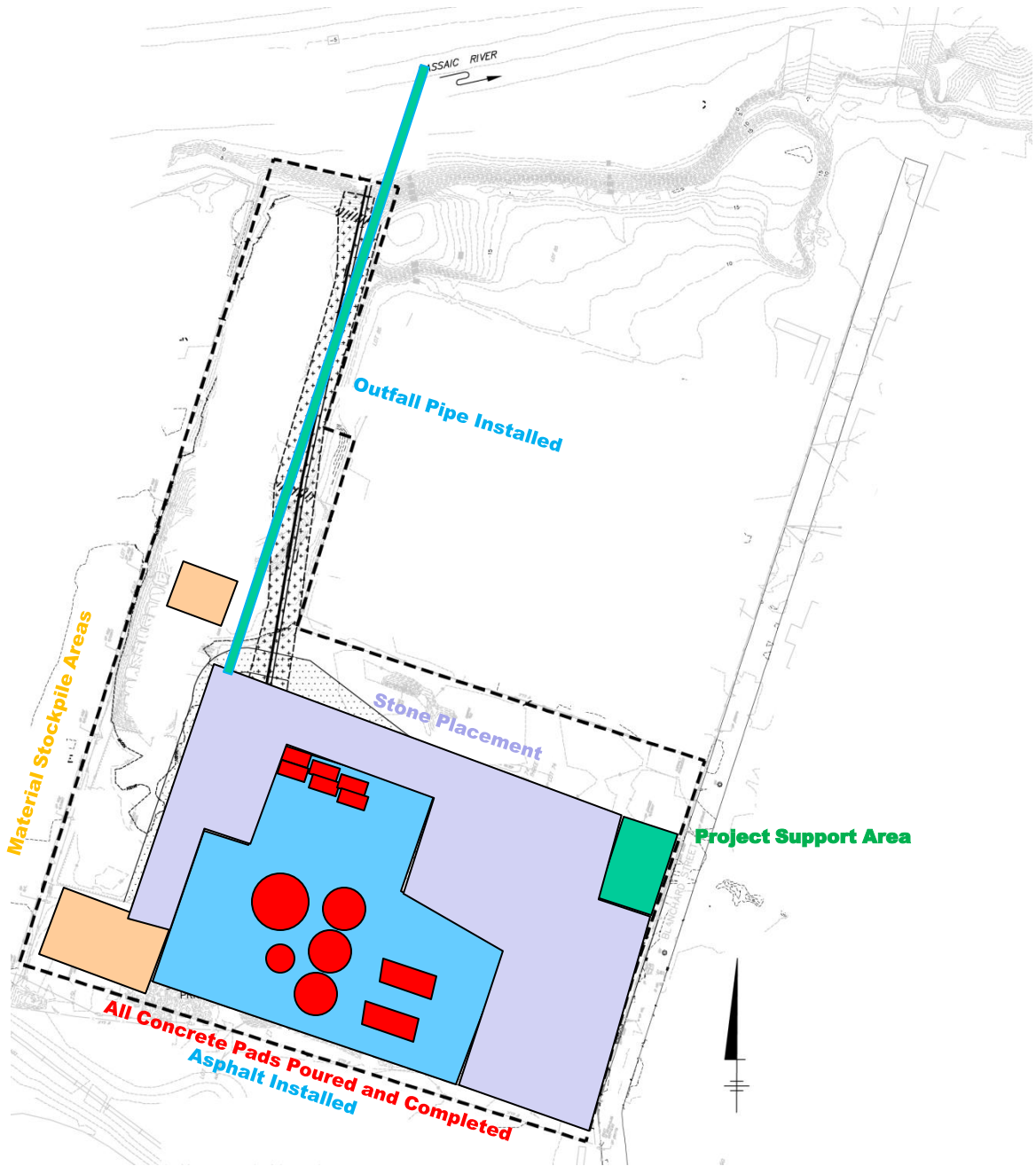
**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



*HDPE fusion welder for piping at the sediment processing system*

**Weekly Construction Progress Report #27  
(Continued)**

Period: 01/16/12 – 01/22/12



**UPF Property**

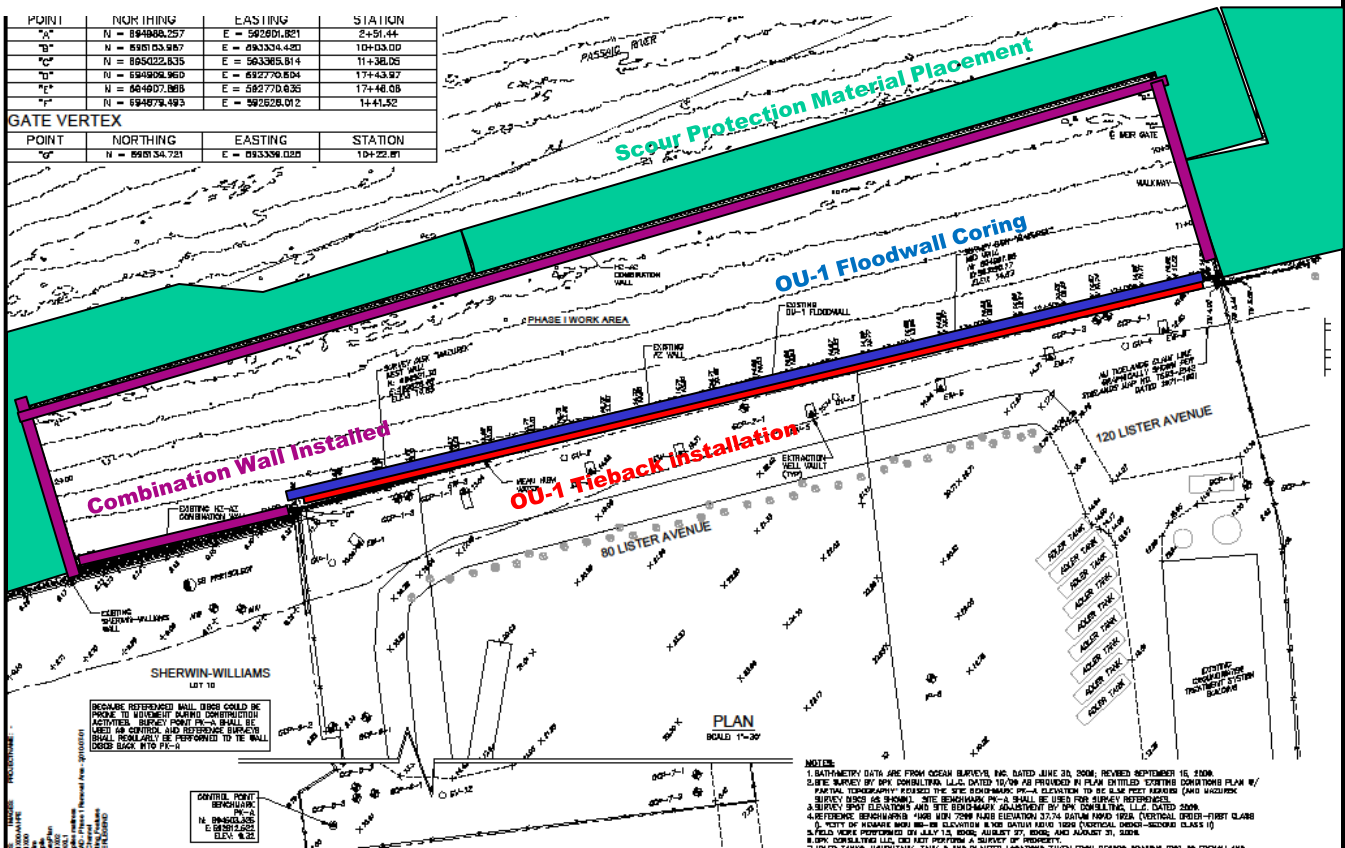
**Weekly Construction Progress Report #27  
(Continued)**

Period: 01/16/12 – 01/22/12

POINT	NORTHING	EASTING	STATION
"A"	N = 894985.257	E = 592851.351	2+51.44
"B"	N = 895153.987	E = 593336.422	10+03.00
"C"	N = 895222.635	E = 593365.514	11+38.05
"D"	N = 894904.960	E = 692770.604	17+43.97
"E"	N = 864607.888	E = 592770.635	17+48.08
"F"	N = 894678.493	E = 592628.012	14+41.92

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 898134.721	E = 693336.020	10+22.81



**OU-1 Property**



**Weekly Construction Progress Report #28****Period:** 01/23/12 – 01/29/12Project Work Performed:

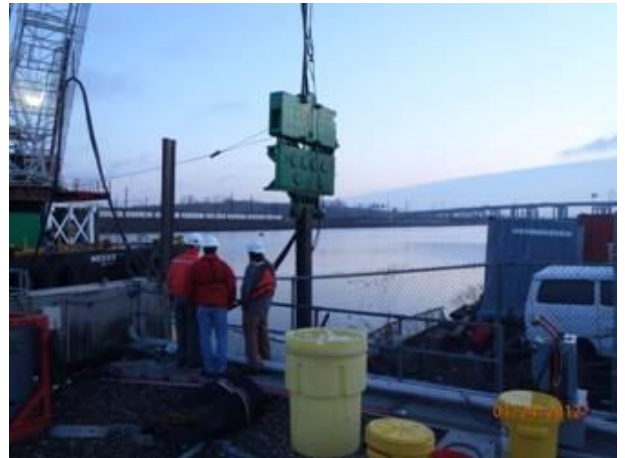
- Completed king pile and sheeting installation for the east wall of the enclosure, including the southeast corner fabricated sheet.
- Continued installation of ancillary steel components, walkway, and wale along the north and east walls of the enclosure.
- Began installation of concrete mattresses along the east wall of the enclosure for scour protection.
- Continued installation of mechanical components for the sediment processing system at the Upland Processing Facility (UPF).
- Continued electrical service installation at the UPF for winterization equipment, lighting, storm water management system, and construction trailers.

Planned Activities - Weeks of 01/30 & 02/06:

- Continue ancillary steel and walkway installation for north and east walls.
- Continue installation of protective monopiles around the enclosure.
- Continue concrete mattress installation around the enclosure for scour protection.
- Begin installation of navigational buoys for the enclosure.
- Complete final mechanical work for the SECI barge at the enclosure.
- Continue installation of mechanical components for the sediment processing system equipment at the UPF.
- Complete electrical service installation at the UPF for winterization equipment, lighting, storm water management system, and construction trailers. ARCADIS continues to coordinate with PSE&G to obtain a meter and temporary service.

Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 0 (59)
  - Job Loss Analysis (JLAs) – 0 (30)
  - Near Loss – 0 (11)
  - Incidents – 0 (4)
  - Stop Work Authority 0 – (29)
  - Estimated field man hours to date – 56,225 hours.
- The equipment for the bird deterrence system for the enclosure has been received and will be installed during the week of 02/06/12.

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey***Installation of concrete mattresses for scour protection**Installation of support pile for Singer Realty bulkhead**Fish screen for pumps intakes*

**Weekly Construction Progress Report #28  
(Continued)**

**Period:** 01/23/12 – 01/29/12

Construction Quality Assurance/Safety (continued):

- Land survey activities continue along the OU-1 floodwall.
- Vibration monitoring is now complete. The vibration monitoring equipment will be removed from the Site over the next two weeks.
- Geokon load cells for the tiebacks are in operation and being monitored.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman, January 30, 2012

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



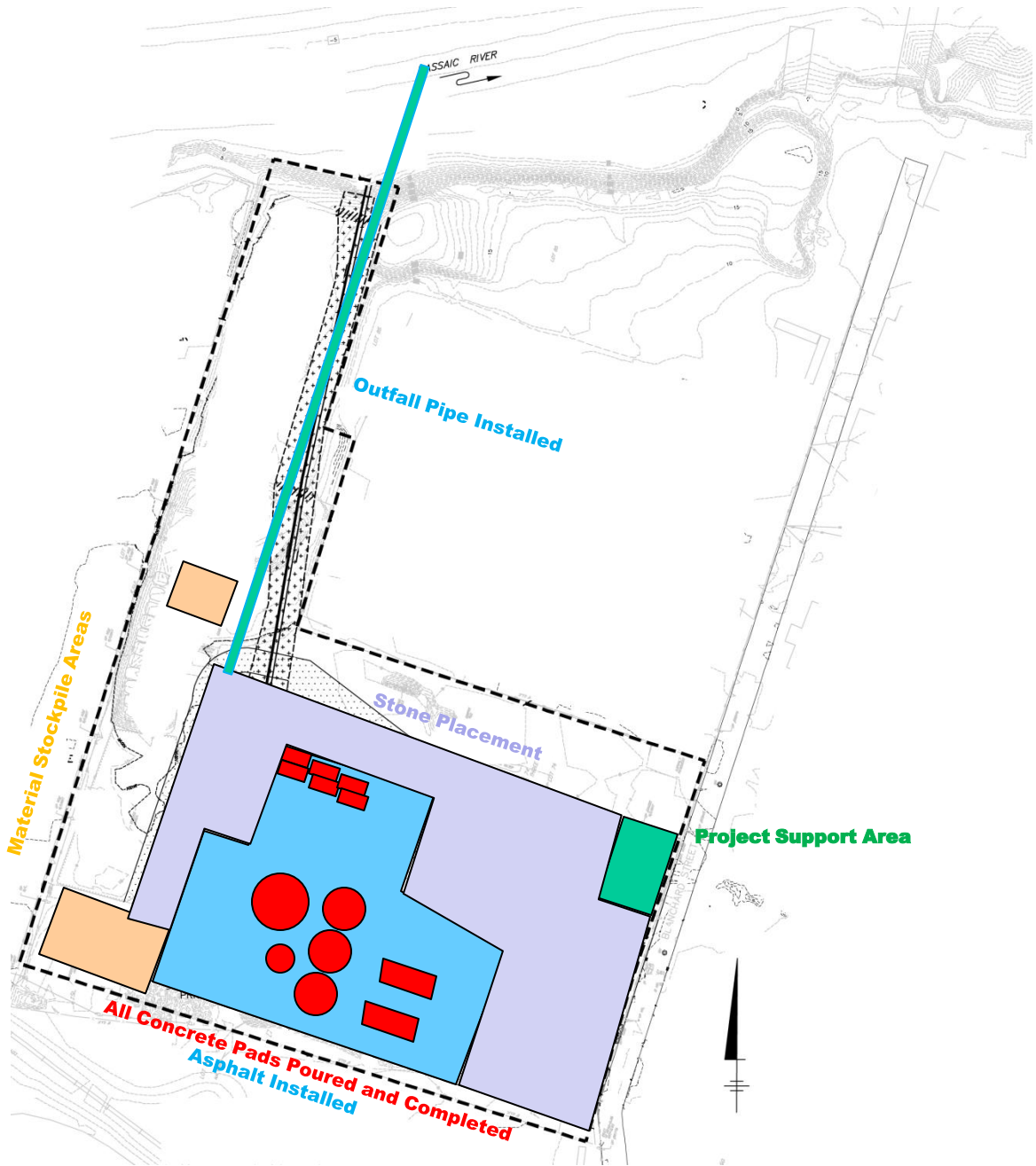
*Power transformers installed by PSE&G for the UPF Site.*



*Recent snowfall at the UPF Site.*

**Weekly Construction Progress Report #28  
(Continued)**

Period: 01/23/12 – 01/29/12



**UPF Property**

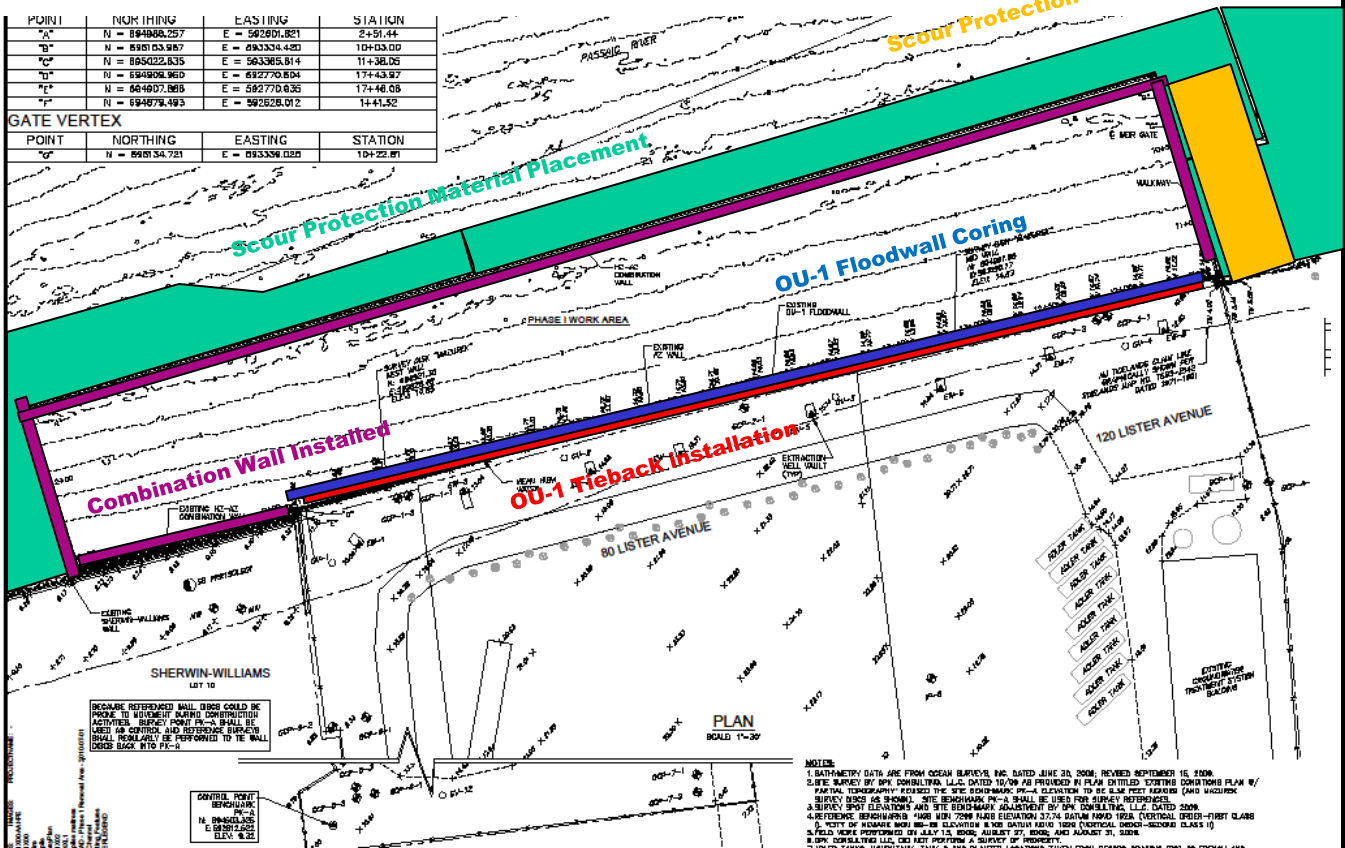
**Weekly Construction Progress Report #28  
(Continued)**

Period: 01/23/12 – 01/29/12

POINT	NORTHING	EASTING	STATION
"A"	N = 894985.257	E = 592851.351	2+51.44
"B"	N = 895153.987	E = 593336.422	10+03.00
"C"	N = 895222.635	E = 593365.514	11+38.05
"D"	N = 894904.960	E = 592770.604	17+43.97
"E"	N = 864607.888	E = 582770.636	17+48.08
"F"	N = 894678.493	E = 592628.012	14+41.92

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 898134.721	E = 593336.020	10+22.81



**OU-1 Property**

**Weekly Construction Progress Report #24****Period:** 12/18/11 – 01/01/12Project Work Performed:

- Continued installation of ancillary steel components, walkway, and wale along the north wall of the enclosure.
- Completed installation of anchoring monopiles around the enclosure. Began installation of the protective monopiles around the enclosure.
- Completed assembly of the sediment screening and pumping system on a barge at Weeks Yard.
- Completed the movement of work barges for dredging into the enclosure.
- Continued installation of electrical and mechanical components of the sediment processing system at the UPF. Completed circulating water in the system for startup and leak testing. Performed repairs on any equipment or components identified with leaks.
- Continued electrical service installation at the UPF for winterization equipment, lighting, storm water management system, and construction trailers.

Planned Activities - Weeks of 01/02 & 01/09:

- Begin king pile and sheeting installation for the east wall. Continue ancillary steel and walkway installation.
- Continue installation of protective monopiles around the enclosure.
- Complete greasing of trumpets and Class I corrosion protection measures for the OU-1 tiebacks.
- Continue installation of electrical and mechanical components of the sediment processing system equipment at the UPF.
- Complete electrical service installation at the UPF for winterization equipment, lighting, storm water management system, and construction trailers. ARCADIS is currently coordinating with PSE&G to obtain a meter and temporary service.
- Continue winterization of equipment and materials at the UPF.

Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 1 (58)
  - Job Loss Analysis (JLAs) – 0 (30)
  - Near Loss – 0 (11)
  - Incidents – 0 (3)
  - Stop Work Authority 0 – (28)
  - Estimated field man hours to date – 51,050 hours.
- ARCADIS will perform a physical inspection of the scour protection mattresses at Weeks Yard on January 5, 2012.

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey***Moving work barges inside the enclosure**Installation of enclosure monopiles**Installation of piping for sediment processing system*

**Weekly Construction Progress Report #24  
(Continued)**

**Period:** 12/19/11 – 01/01/12

Construction Quality Assurance/Safety (continued):

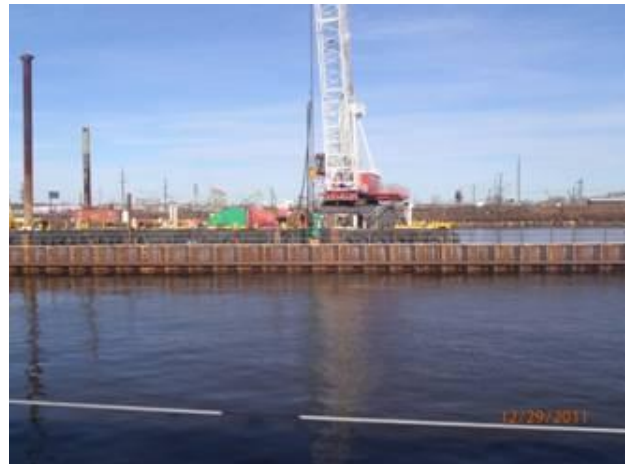
- Land survey activities continue along the OU-1 floodwall and at the UPF site.
- The team has continued monitoring of vibrations in adjacent structures during king/sheet pile installation.
- Continued air monitoring and noise monitoring for worker protection at the Site.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman, January 03, 2012

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



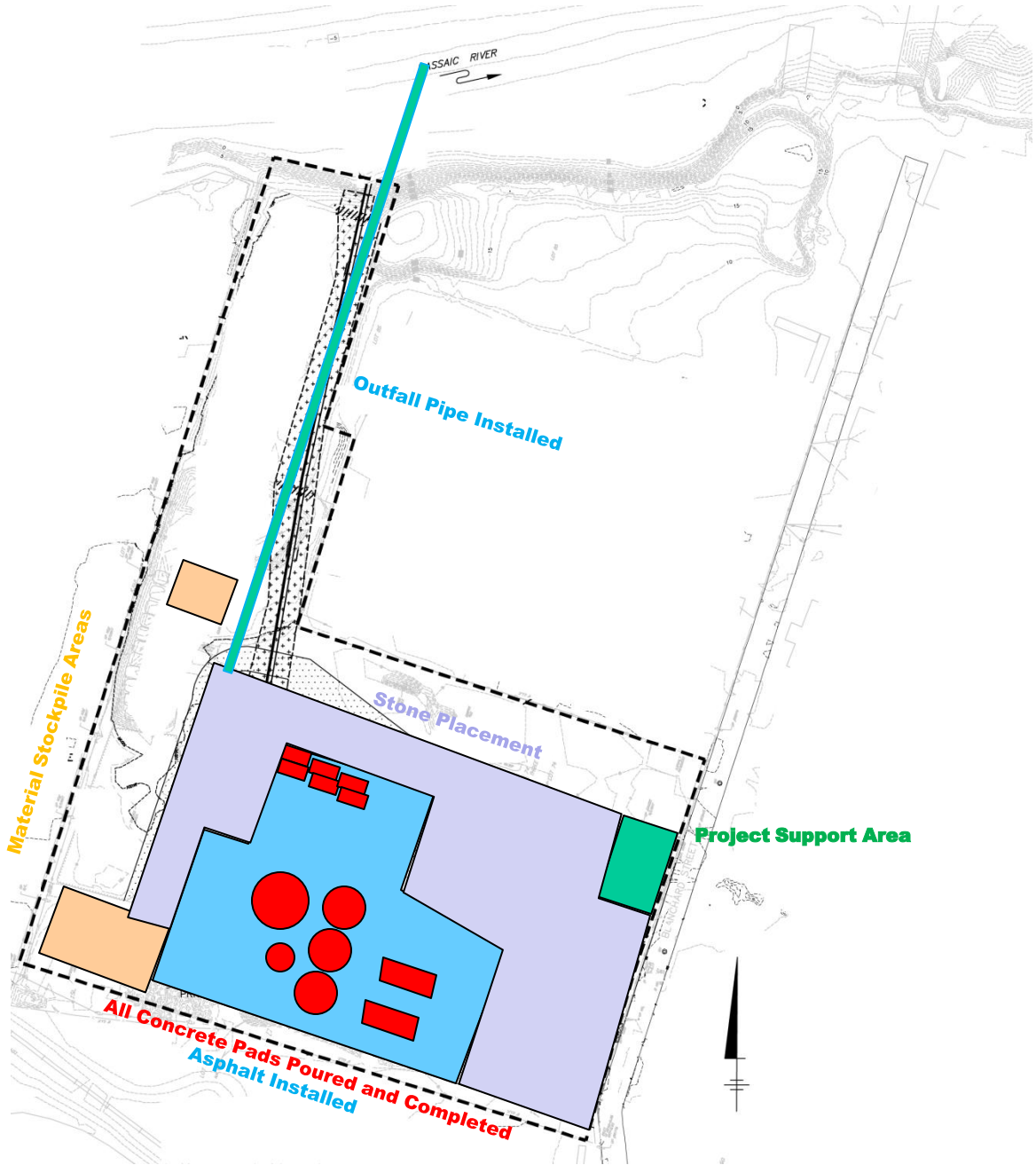
*Installation of piping for the reroute of storm water from the OU-1*



*Installation of monopiles along the north wall of the enclosure*

**Weekly Construction Progress Report #24  
(Continued)**

Period: 12/19/11 – 01/01/12



**UPF Property**

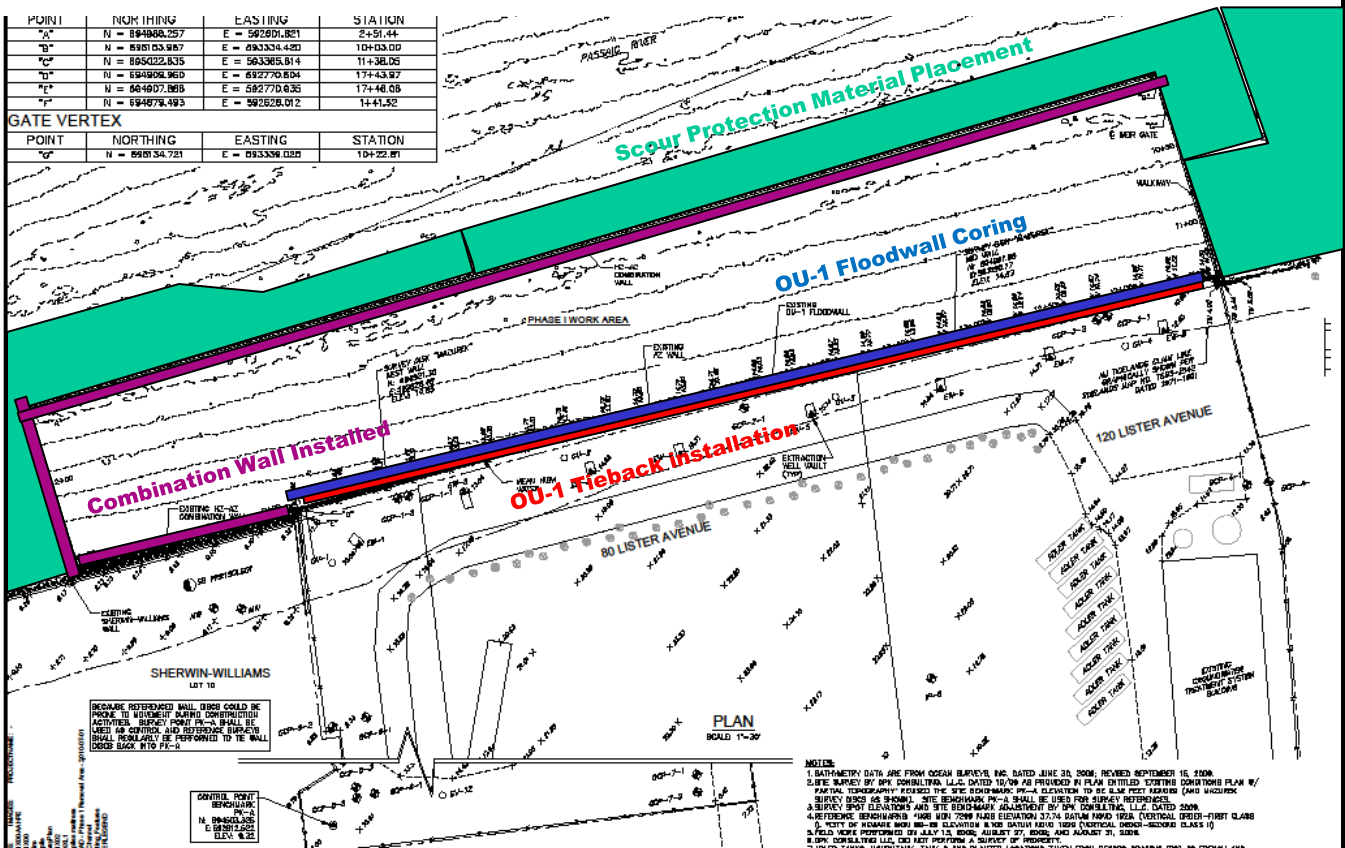
**Weekly Construction Progress Report #24  
(Continued)**

Period: 12/19/11 – 01/01/12

POINT	NORTHING	EASTING	STATION
"A"	N = 894985.257	E = 592851.851	2+51.44
"B"	N = 895153.887	E = 593336.422	10+03.00
"C"	N = 895022.635	E = 593365.814	11+38.05
"D"	N = 894904.960	E = 592770.804	17+43.97
"E"	N = 894907.888	E = 592770.836	17+48.08
"F"	N = 894878.493	E = 592628.012	14+41.92

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 895134.721	E = 593336.020	10+22.81



**OU-1 Property**



## Weekly Construction Progress Report #29

**Period:** 01/30/12 – 02/05/12

### Project Work Performed:

- Continued installation of steel walkway. Completed installation of the wale and ancillary steel components along the north and east walls of the enclosure.
- Completed installation of protective monopiles around the enclosure. Began installation of the dolphins.
- Continued installation of concrete mattresses along the east and north walls of the enclosure for scour protection.
- Continued installation of mechanical and electrical components for the sediment processing system at the Upland Processing Facility (UPF).
- Continued electrical service installation at the UPF for winterization equipment, lighting, storm water management system, and construction trailers.
- Completed installation of asphalt curbing at the UPF.
- Began installation of the Eagle Eye bird deterrence system along the OU-1 Floodwall.

### Planned Activities - Weeks of 02/06 & 02/13:

- Complete walkway installation for east wall. Complete installation of dolphins.
- Complete concrete mattress installation around the enclosure for scour protection.
- Begin installation of RTK-GPS system on the excavator for dredging.
- Begin installation of navigational buoys for the enclosure.
- Complete final mechanical work for the SECI barge at the enclosure.
- Continue installation of mechanical and electrical components for the sediment processing system equipment at the UPF. Begin final programming of the sediment processing system.
- Complete electrical service installation at the UPF for winterization equipment, lighting, storm water management system, and construction trailers. ARCADIS continues to coordinate with PSE&G to obtain a meter and temporary service.
- Complete installation of Eagle Eye bird deterrence system along the OU-1 Floodwall.
- Complete load out of tieback cuttings for off-site disposal.

### Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 2 (61)
  - Job Loss Analysis (JLAs) – 0 (30)
  - Near Loss – 0 (11)
  - Incidents – 0 (4)
  - Stop Work Authority 0 – (29)
  - Estimated field man hours to date – 57,125 hours.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Installation of protective monopiles and dolphins*



*Installation of concrete mattress for scour protection*



*Curb installation at the UPF*

**Weekly Construction Progress Report #29  
(Continued)**

**Period:** 01/30/12 – 02/05/12

Construction Quality Assurance/Safety (continued):

- Geokon load cells for the tiebacks are in operation and being monitored.
- Vibration monitoring instruments have been removed from the Site.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman, February 06, 2012

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



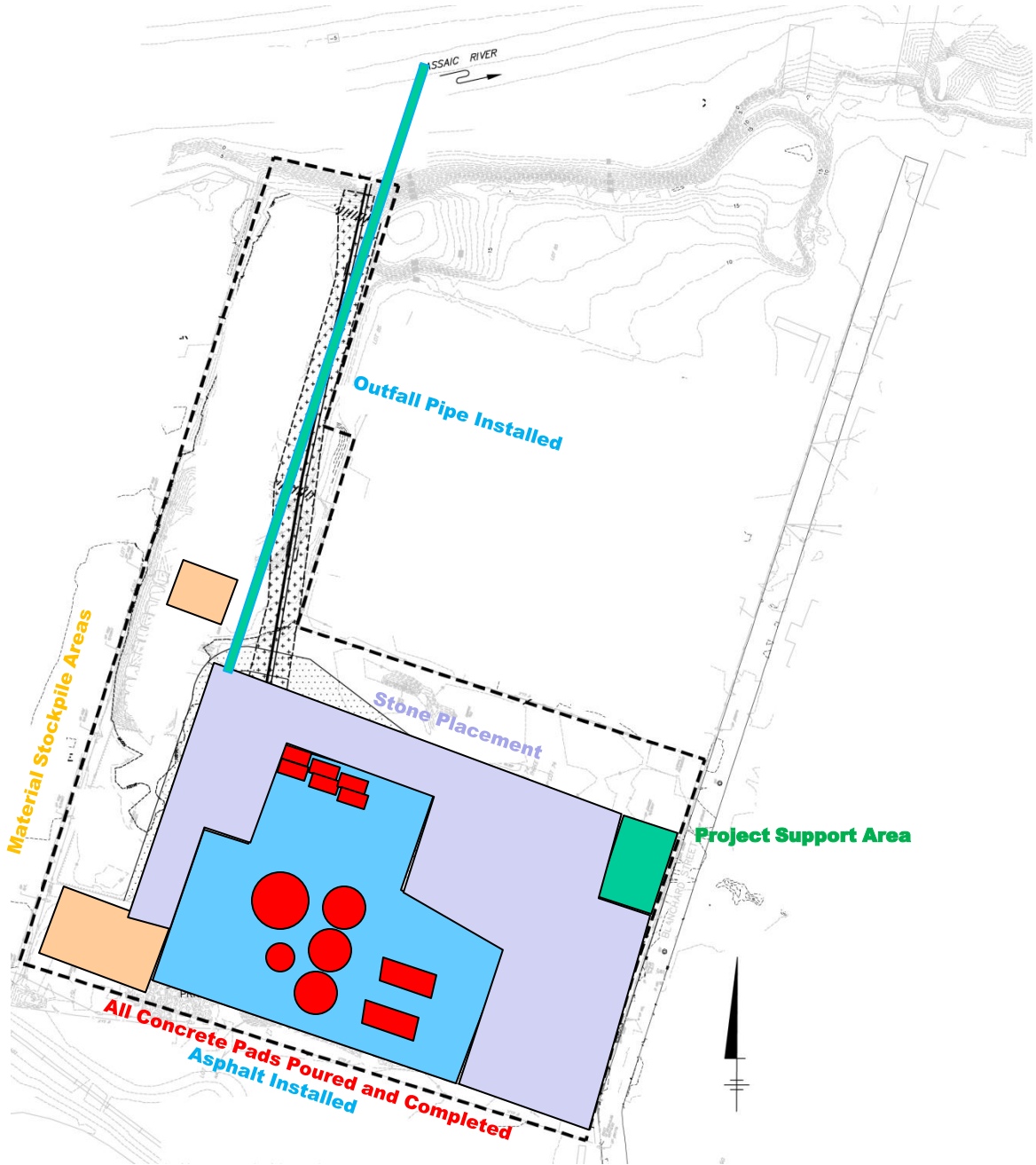
*Eagle Eye bird deterrence system installed*



*Generator panels for sediment processing*

**Weekly Construction Progress Report #29  
(Continued)**

Period: 01/30/12 – 02/05/12



**UPF Property**

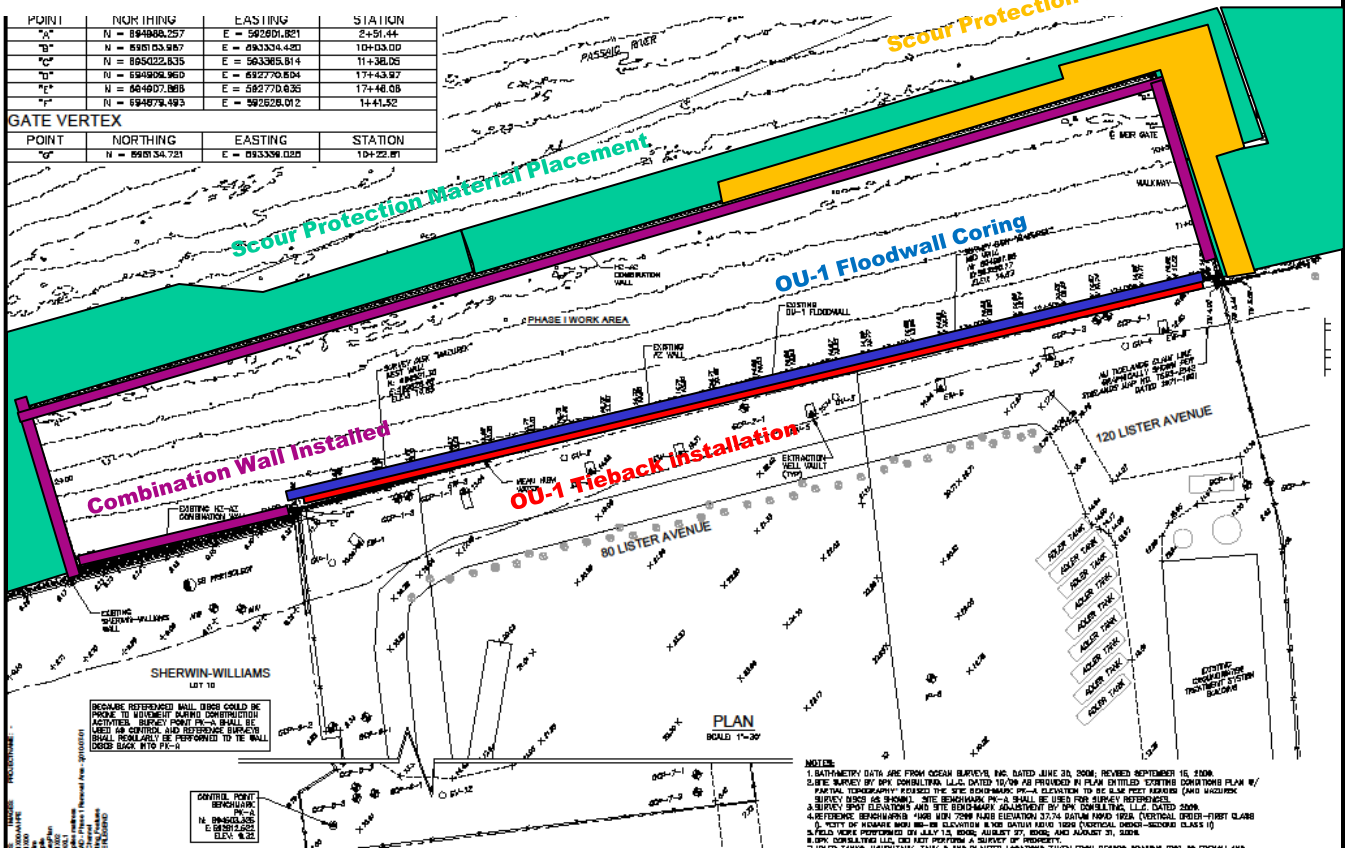
**Weekly Construction Progress Report #29  
(Continued)**

Period: 01/30/12 – 02/05/12

POINT	NORTHING	EASTING	STATION
"A"	N = 894985.257	E = 592851.851	2+51.44
"B"	N = 895153.987	E = 593336.422	10+03.00
"C"	N = 895022.635	E = 593365.814	11+38.05
"D"	N = 894904.960	E = 592770.804	17+43.97
"E"	N = 894907.888	E = 592770.836	17+48.08
"F"	N = 894878.493	E = 592628.012	14+41.92

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 895134.721	E = 593336.020	10+22.81



**OU-1 Property**

## Weekly Construction Progress Report #30

**Period:** 02/06/12 – 02/12/12

### Project Work Performed:

- Completed installation of steel walkway. Completed installation of the dolphins.
- Completed installation of concrete mattresses along the west and north walls of the enclosure for scour protection.
- Began installation of RTK-GPS system on excavator for dredging.
- Continued installation of mechanical and electrical components for the sediment processing system equipment at the Upland Processing Facility (UPF). Continued final programming of sediment processing system.
- Continued mechanical and electrical work for the SECI barge at the enclosure.
- Continued electrical service installation at the UPF for winterization equipment, lighting, storm water management system, and construction trailers.
- Completed installation of the Eagle Eye bird deterrence system along the OU-1 Floodwall.

### Planned Activities - Weeks of 02/13 & 02/20:

- Complete installation of RTK-GPS system on the excavator for dredging.
- Begin installation of navigational buoys for the enclosure.
- Complete installation of hydraulic pipeline.
- Complete final mechanical and electrical work for the SECI barge at the enclosure.
- Complete installation of mechanical and electrical components for the sediment processing system equipment at the UPF. Continue final programming of the sediment processing system.
- Complete electrical service installation at the UPF for winterization equipment, lighting, storm water management system, and construction trailers. ARCADIS continues to coordinate with PSE&G to obtain a meter and temporary service.
- Complete load out of tieback cuttings for off-site disposal.

### Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 1 (61)
  - Job Loss Analysis (JLAs) – 1 (31)
  - Near Loss – 1 (12) – Identified exposed wiring along the OU-1 floodwall. Confirmed exposed wiring was not energized and was corrected.
  - Incidents – 0 (4)
  - Stop Work Authority 0 – (29)
  - Estimated field man hours to date – 58,300 hours.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Installation of dolphins and protective donuts*



*Installation of concrete mattress for scour protection*



*Installed concrete mattress adjacent to the Sherwin-Williams property*

## Weekly Construction Progress Report #30 (Continued)

**Period:** 02/06/12 – 02/12/12

### Construction Quality Assurance/Safety (continued):

- Geokon load cells for the tiebacks are in operation and being monitored.
- Vibration monitoring instruments have been removed from the Site.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman, February 13, 2012

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



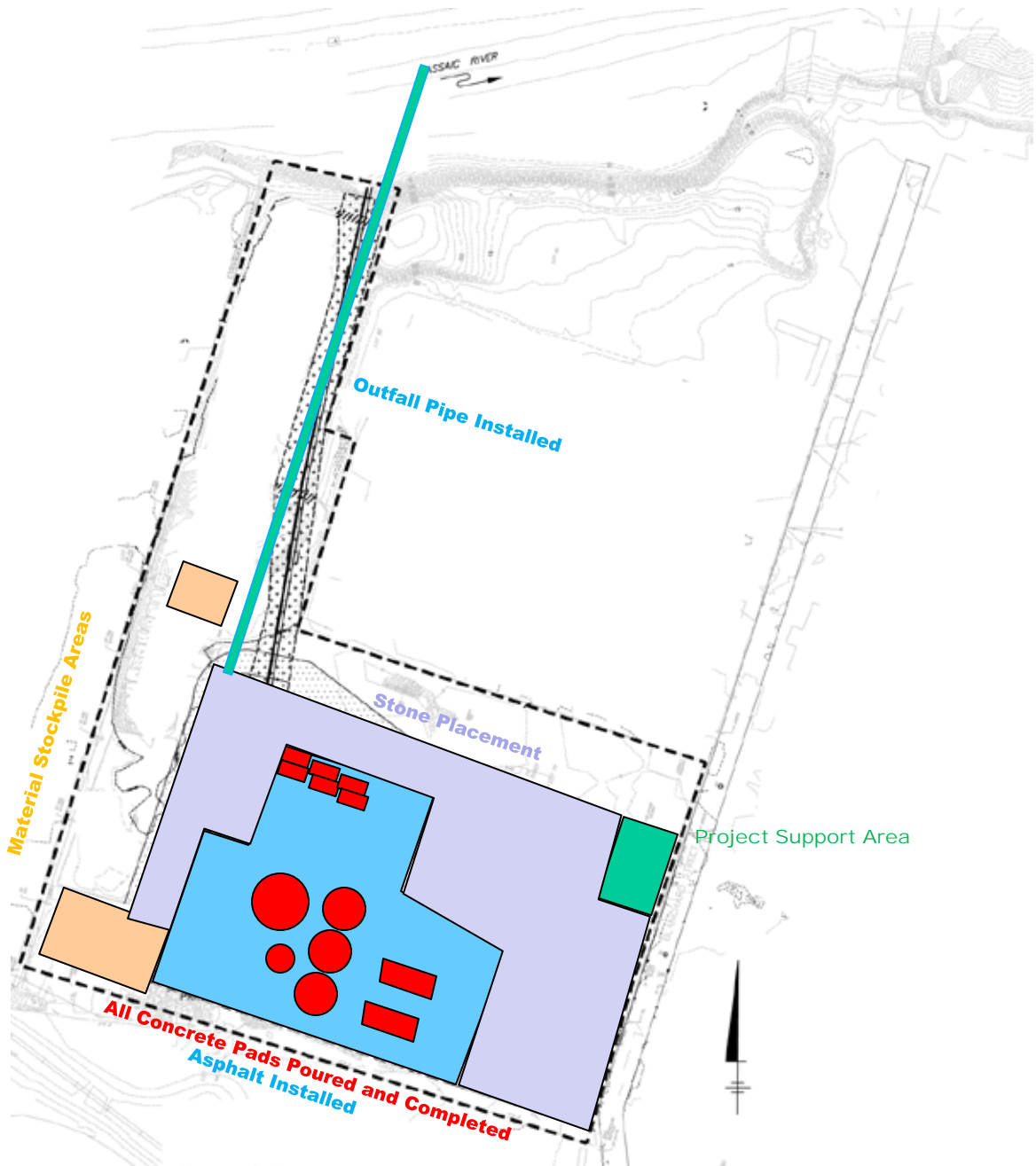
*Testing and programming of the UPF conveyors*



*Installed piping for the sediment processing system*

**Weekly Construction Progress Report #30  
(Continued)**

Period: 02/06/12 – 02/12/12



UPF Property

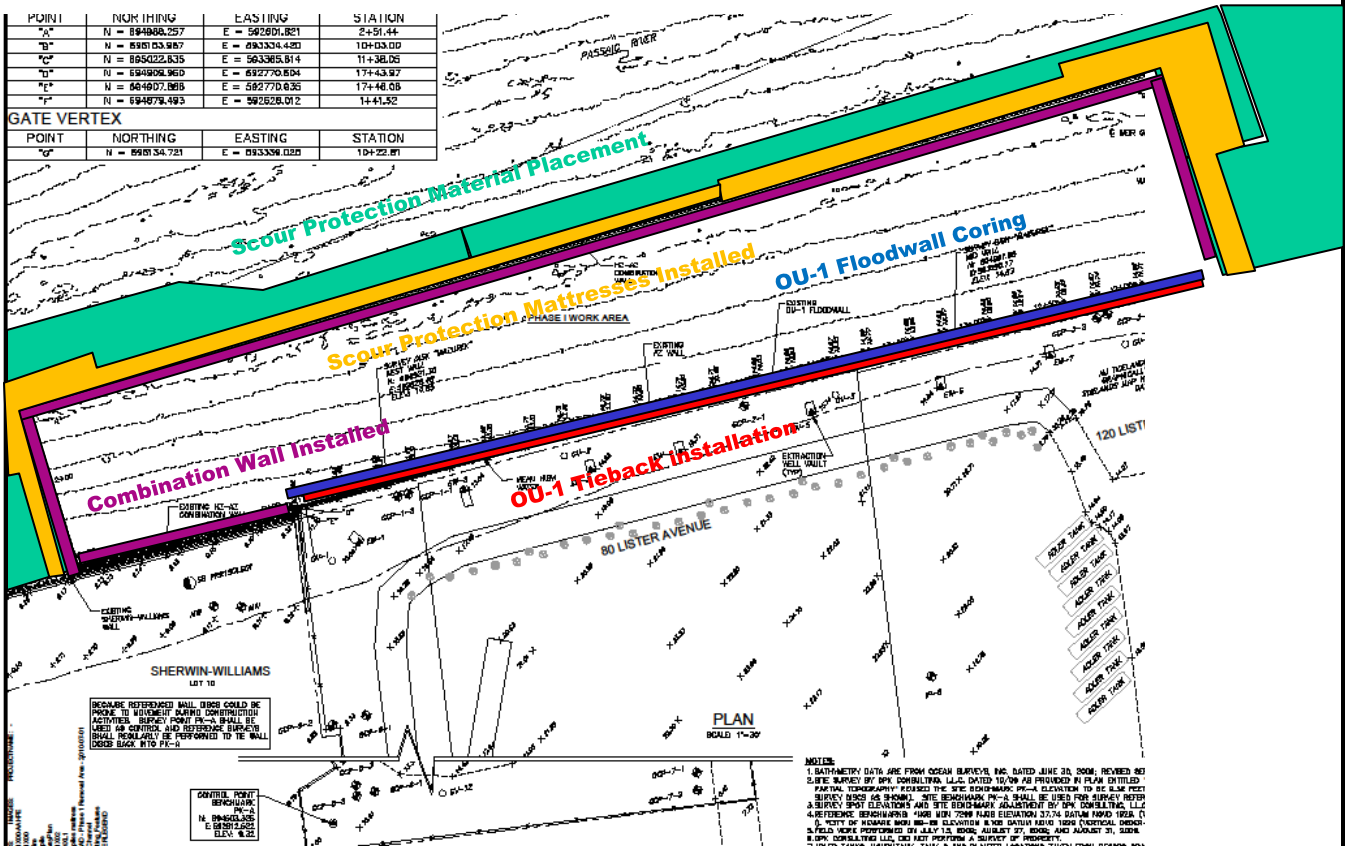
**Weekly Construction Progress Report #30  
(Continued)**

Period: 02/06/12 – 02/12/12

POINT	NORTHING	EASTING	STATION
"A"	N = 894985.257	E = 592851.351	2+51.44
"B"	N = 895015.887	E = 593336.423	10+03.00
"C"	N = 895022.635	E = 593365.514	11+38.05
"D"	N = 894904.960	E = 592770.604	17+43.97
"E"	N = 894907.888	E = 592770.636	17+48.08
"F"	N = 894878.493	E = 592628.012	14+41.92

**GATE VERTEX**

POINT	NORTHING	EASTING	STATION
"G"	N = 895034.721	E = 593336.025	10+22.81



OU-1 Property



## Weekly Construction Progress Report #31

**Period:** 02/13/12 – 02/19/12

### Project Work Performed:

- Continued installation of RTK-GPS system on excavator for dredging.
- Continued installation of the hydraulic pipeline sections and anchoring monopiles in the Passaic River.
- Completed installation of navigational buoys for the enclosure.
- Completed installation of mechanical and electrical components for the sediment processing system equipment at the Upland Processing Facility (UPF). Continued final programming of sediment processing system.
- Continued mechanical and electrical work for the SECI barge at the enclosure.
- Completed electrical service installation at the UPF for winterization equipment, lighting, storm water management system, and construction trailers. Temporary generators used for the operations will be removed from the Site.

### Planned Activities - Weeks of 02/20 & 02/27:

- Complete installation of RTK-GPS system on the excavator for dredging. Will conduct a system demonstration and test on February 27, 2011.
- Complete installation of hydraulic pipeline.
- Complete final mechanical and electrical work for the SECI barge at the enclosure.
- Continue final programming of the sediment processing system.
- Complete load out of tieback cuttings for off-site disposal.

### Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 2 (63)
  - Job Loss Analysis (JLAs) – 2 (33)
  - Near Loss – 1 (13) – Team identified that a crane did not have adequate lifting capacity for a piece of equipment planned to be picked. An appropriate sized crane was brought to the Site to complete the lift.
  - Incidents – 0 (4)
  - Stop Work Authority 0 – (29)
  - Estimated field man hours to date – 59,325 hours.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Installation of anchoring monopile for the hydraulic pipeline*



*Coarse solids screening system for sediment processing*



*Navigational buoys installed in the Passaic River*

**Weekly Construction Progress Report #31  
(Continued)**

**Period:** 02/13/12 – 02/19/12

Construction Quality Assurance/Safety (continued):

- Leak testing of the hydraulic pipelines will be completed during the weeks of February 20 and 27, 2012.
- Geokon load cells for the tiebacks are in operation and being monitored.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman, February 20, 2012

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**

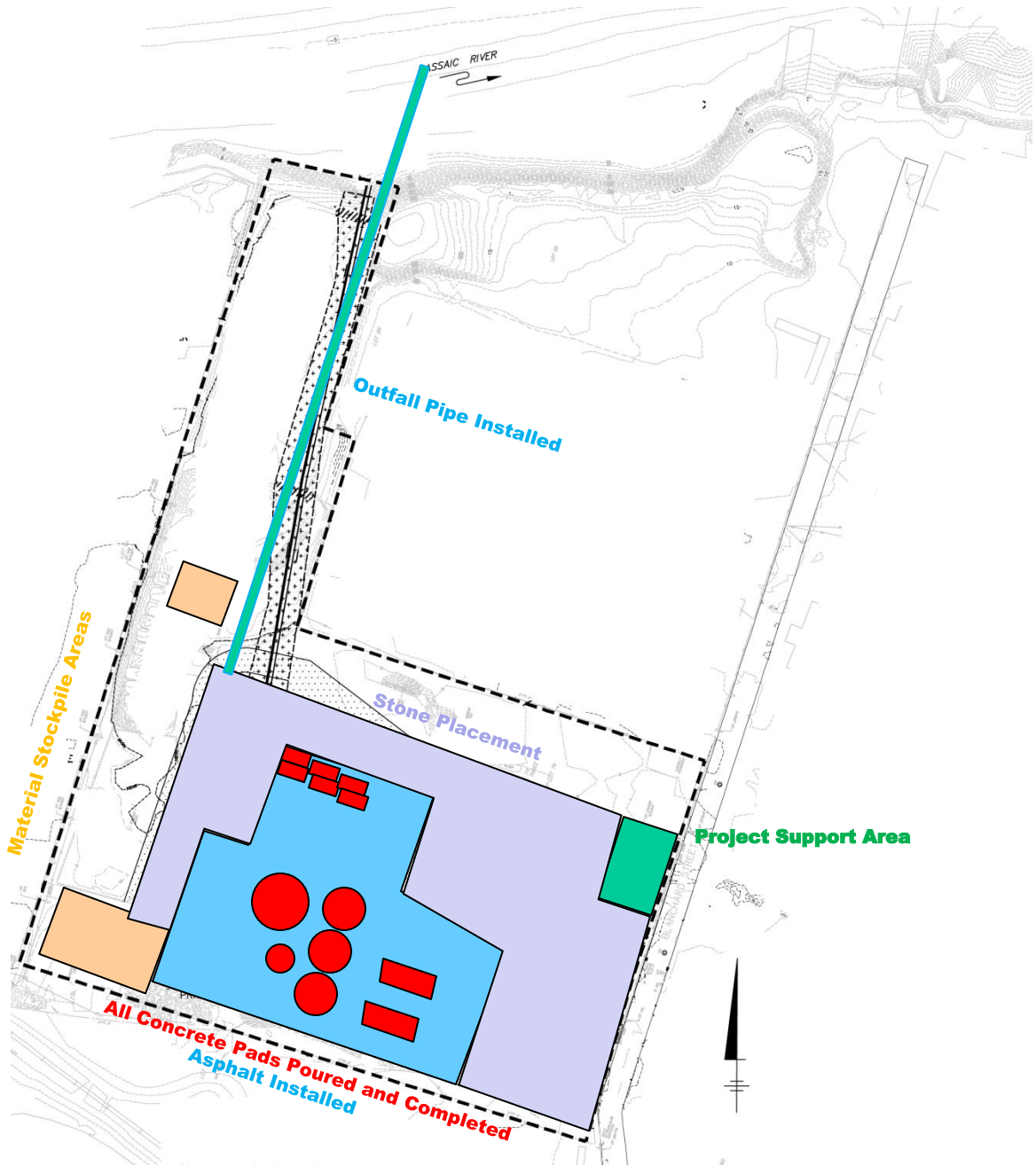
*PSE&G installing electrical service to the UPF*



*Hydraulic pipeline installed*

**Weekly Construction Progress Report #31  
(Continued)**

Period: 02/13/12 – 02/19/12



**UPF Property**

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey

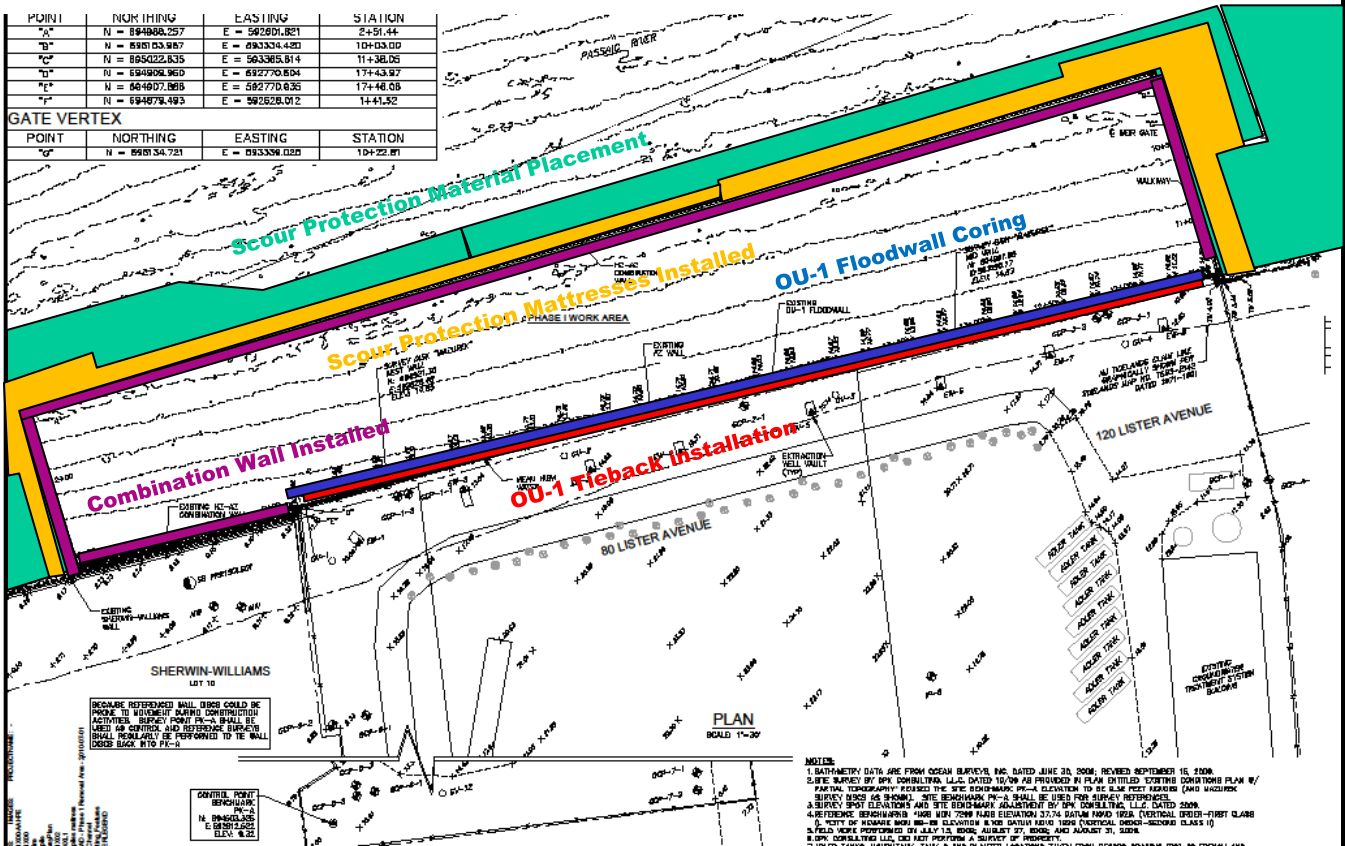
### Weekly Construction Progress Report #31 (Continued)

Period: 02/13/12 – 02/19/12

POINT	NORTHING	EASTING	STATION
"A"	N = 894985.257	E = 592851.351	2+51.44
"B"	N = 895015.887	E = 593336.422	10+03.00
"C"	N = 895022.635	E = 593365.514	11+38.05
"D"	N = 894904.960	E = 592770.604	17+43.97
"E"	N = 864607.888	E = 582770.636	17+48.08
"F"	N = 894678.493	E = 592628.012	14+41.92

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 898034.721	E = 593336.020	10+22.81



### OU-1 Property

## Weekly Construction Progress Report #32

**Period:** 02/20/12 – 02/26/12

### Project Work Performed:

- Continued installation of RTK-GPS system on excavator for dredging.
- Completed installation of the hydraulic pipeline sections and anchoring monopiles on the Passaic River.
- Completed installation of navigational buoys for the enclosure.
- Continued final programming of sediment processing system.
- Completed electrical connections and testing of the storm water management pump station.
- Continued mechanical and electrical work for the SECI barge at the enclosure.

### Planned Activities - Weeks of 02/27 & 03/05:

- Complete installation of RTK-GPS system on the excavator for dredging. Will conduct a system demonstration and test on March 2, 2012.
- Complete installation of inclinometers.
- Complete final preparation of the material barges.
- Complete final mechanical and electrical work for the SECI barge at the enclosure including programming. Complete loading and setup of excavators and dredges on the barges within the enclosure.
- Complete final testing of all systems.
- Complete final programming of the sediment processing and water treatment systems.
- Complete installation of treatment media (activated carbon) in the water treatment system
- Complete mechanical work for connections to the storm water management pump station.
- Complete assembly and setup of scaffolding at the OU-1 and Upland Processing Facility (UPF) properties.
- Complete load out of tieback cuttings for off-site disposal.
- Begin dredging of sediment on March 9, 2012.

### Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 0 (63)
  - Job Loss Analysis (JLAs) – 2 (35)
  - Near Loss – 0 (13)
  - Incidents – 0 (4)
  - Stop Work Authority 0 – (29)
  - Estimated field man hours to date – 60,625 hours.
- Job Training Initiative (JTI) graduation is scheduled for March 1, 2012.
- Background air monitoring activities will be performed during the weeks of February 27 and March 5, 2012.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Barges within the enclosure*



*Sediment screening barge*



*Energizing the storm water pump system*

**Weekly Construction Progress Report #32  
(Continued)**

**Period:** 02/20/12 – 02/26/12

Construction Quality Assurance/Safety (continued):

- The team completed leak testing of the hydraulic pipelines.
- The team completed installation of tide gauges and tide boards.
- Geokon load cells for the tiebacks are in operation and being monitored.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman, February 29, 2012

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**

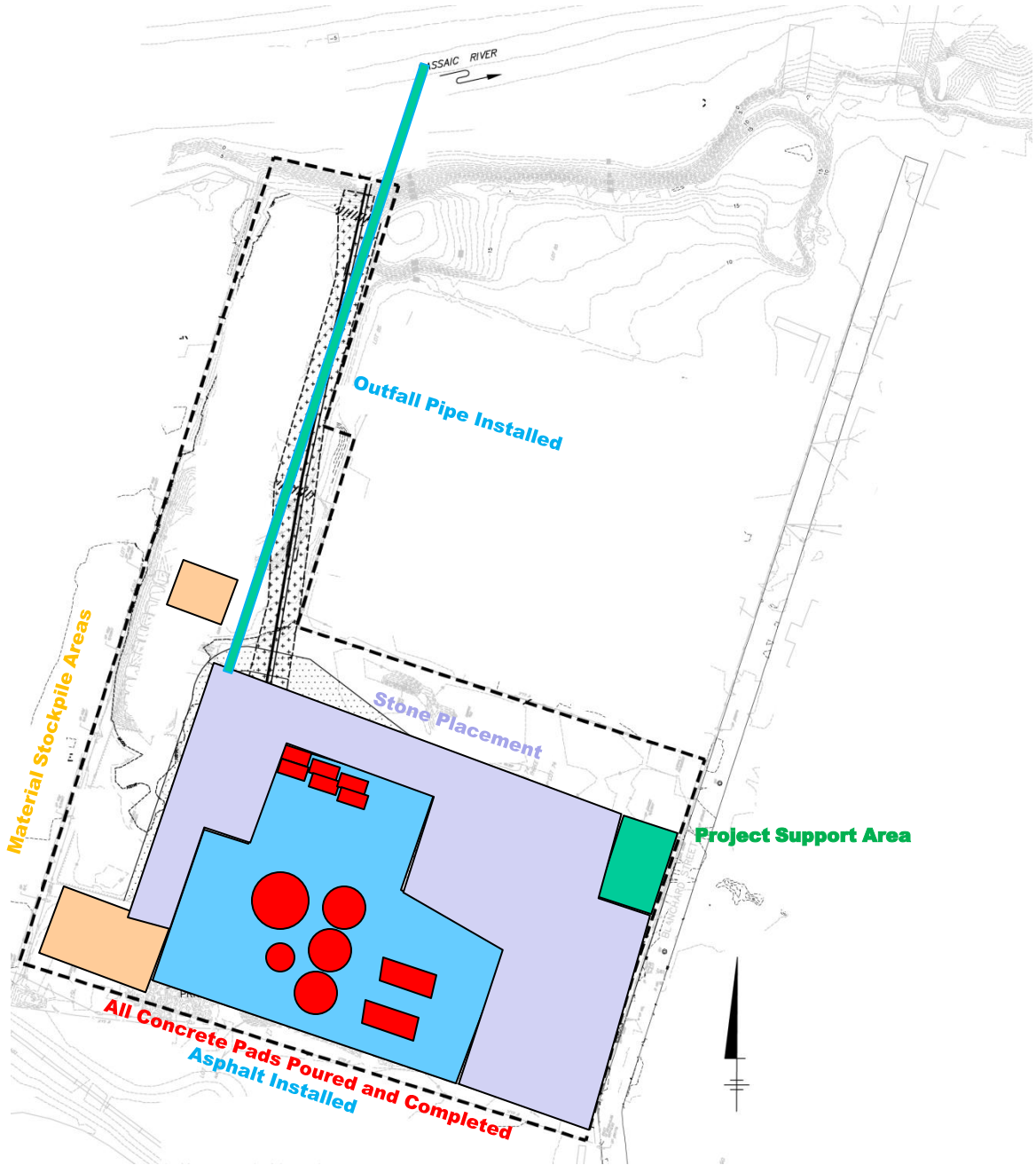
*Navigational Buoy with solar light*



*Hydraulic pipeline pressure testing*

**Weekly Construction Progress Report #32  
(Continued)**

Period: 02/20/12 – 02/26/12



**UPF Property**

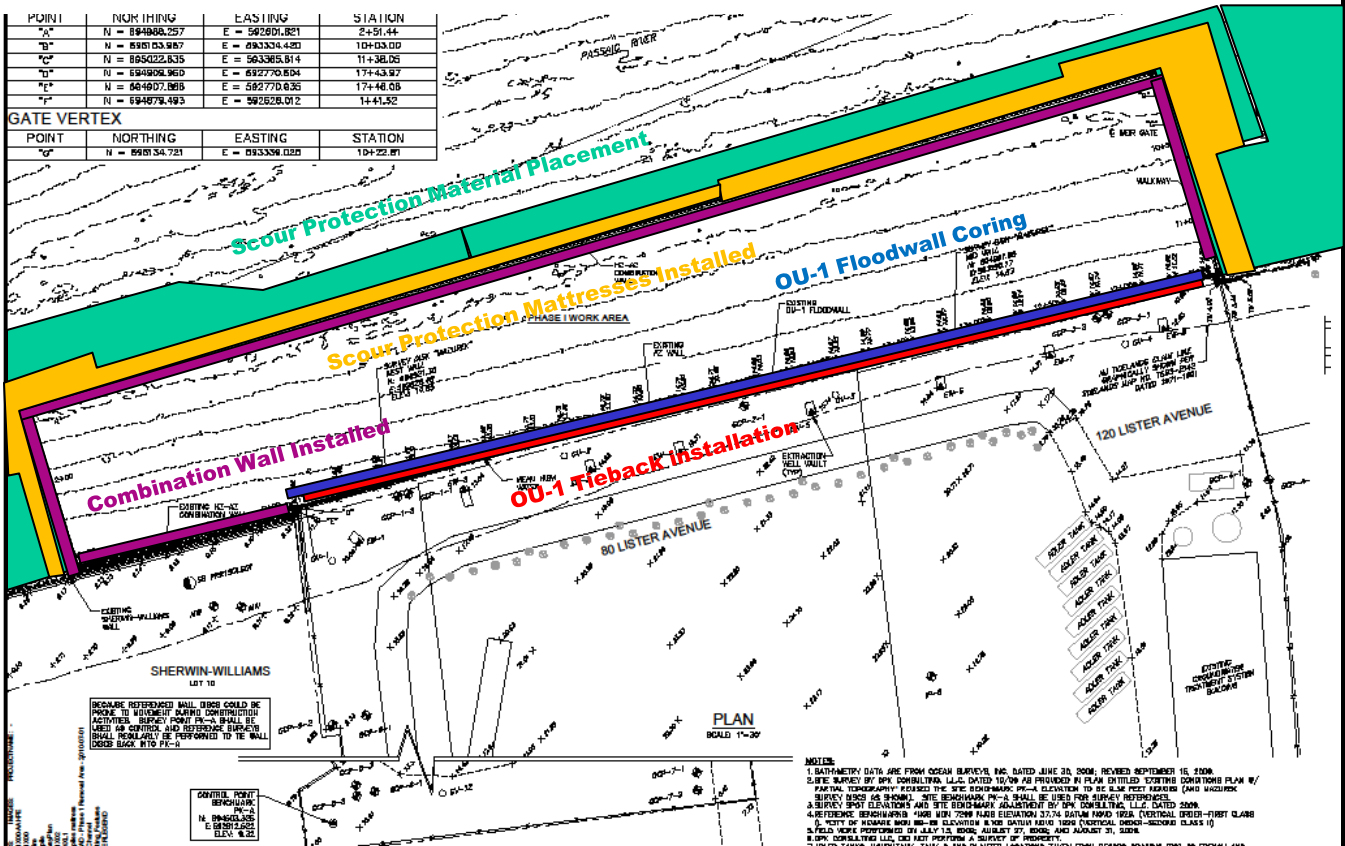
**Weekly Construction Progress Report #32  
(Continued)**

Period: 02/20/12 – 02/26/12

POINT	NORTHING	EASTING	STATION
"A"	N = 894985.257	E = 592851.351	2+51.44
"B"	N = 895015.987	E = 593336.423	10+03.00
"C"	N = 895022.635	E = 593365.514	11+38.05
"D"	N = 894904.960	E = 592770.604	17+43.97
"E"	N = 864607.888	E = 582770.636	17+48.08
"F"	N = 894678.493	E = 592628.012	14+41.92

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 898034.721	E = 593336.025	10+22.81



**OU-1 Property**



**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**

**Weekly Construction Progress Report #33**

**Period:** 02/27/12 – 03/04/12

Project Work Performed:

- Completed installation of RTK-GPS system on excavator for dredging. Conducted a system demonstration and test on March 2, 2012.
- Completed installation of inclinometers.
- Continued final programming of sediment processing system.
- Continued mechanical and electrical work for the SECI barge at the enclosure.
- Continued final preparations of material barges (tarping and bulkhead modifications).
- Complete installation of treatment media (activated carbon) in the water treatment system

Planned Activities - Weeks of 03/05 & 03/12:

- Complete final preparation of the material barges.
- Complete final mechanical and electrical work for the SECI barge at the enclosure including programming.
- Complete loading and setup of excavators and dredges on the barges within the enclosure.
- Complete final testing of all systems.
- Complete final programming of the sediment processing and water treatment systems.
- Complete mechanical work for connections to the storm water management pump station.
- Complete assembly and setup of scaffolding at the OU-1 and Upland Processing Facility (UPF) properties.
- Complete load out of tieback cuttings for off-site disposal.
- Begin dredging of sediment on March 9, 2012.
- Begin sediment screening, pumping, processing, and water treatment on March 12, 2012.

Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 0 (63)
  - Job Loss Analysis (JLAs) – 1 (36)
  - Near Loss – 2 (15) – The team identified two near losses associated with the following: Culvert grating gave way where a worker was walking; fork truck not fitting on a makeshift ramp.
  - Incidents – 0 (4)
  - Stop Work Authority 0 – (29)
  - Estimated field man hours to date – 63,040 hours.
- Background air monitoring activities will be performed during the week of March 5, 2012.
- Baseline inclinometer readings have been completed.



*Loading the dredge excavator on to the barge within the enclosure*



*Air monitoring stations*



*Generators for sediment processing system*

## Weekly Construction Progress Report #33 (Continued)

**Period:** 02/27/12 – 03/04/12

### Construction Quality Assurance/Safety (continued):

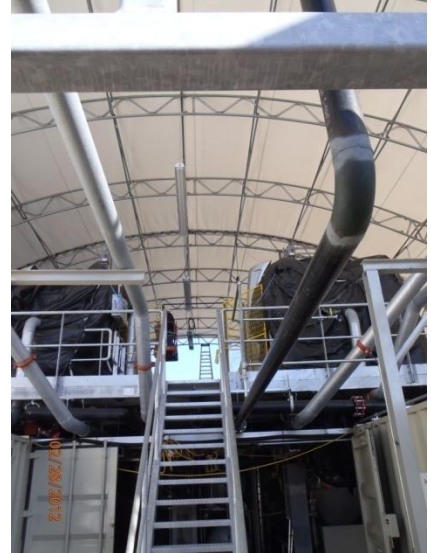
- Geokon load cells for the tiebacks are in operation and being monitored.
- Completed settlement monitoring of concrete pads at the UPF. No discrepancies identified.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman, March 5, 2012

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



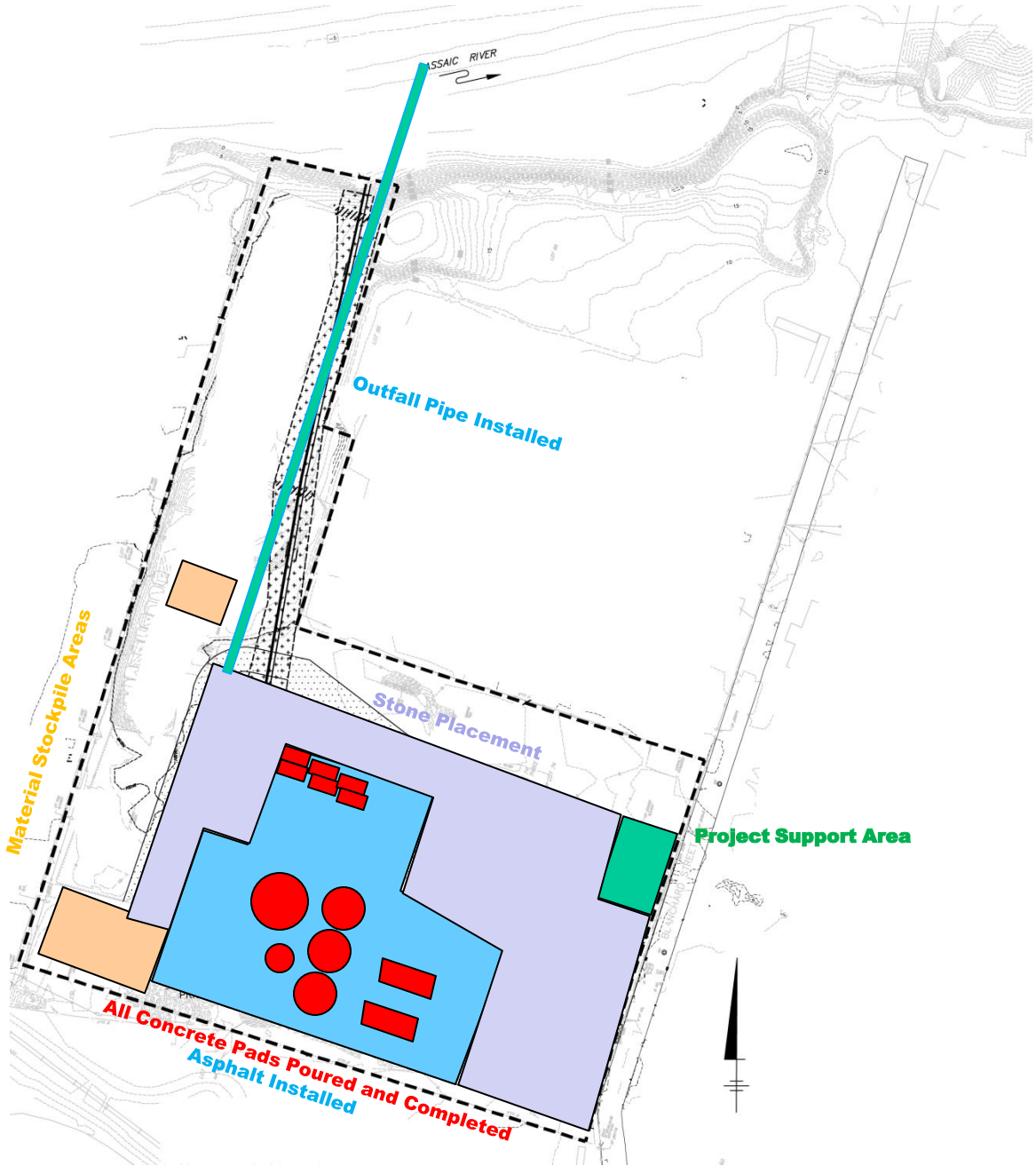
*Obtaining baseline readings for inclinometers*



*Canopy and membrane filter presses*

**Weekly Construction Progress Report #33  
(Continued)**

Period: 02/27/12 – 03/04/12



**UPF Property**

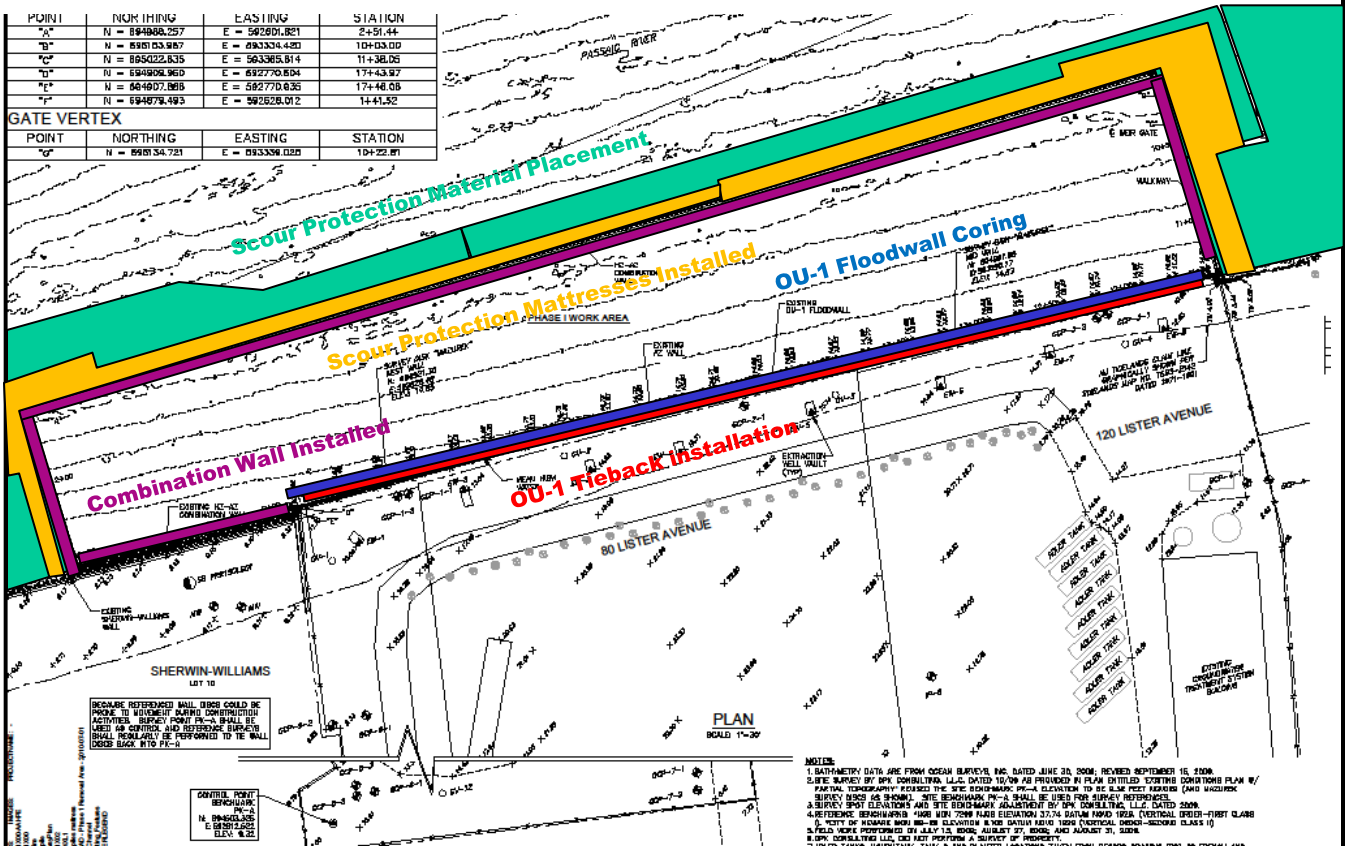
### Weekly Construction Progress Report #33 (Continued)

Period: 02/27/12 – 03/04/12

POINT	NORTHING	EASTING	STATION
"A"	N = 894985.257	E = 592851.351	2+51.44
"B"	N = 895015.987	E = 593336.423	10+03.00
"C"	N = 895022.635	E = 593365.514	11+38.05
"D"	N = 894904.960	E = 592770.604	17+43.97
"E"	N = 864607.888	E = 582770.636	17+48.08
"F"	N = 894678.493	E = 592628.012	14+41.92

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 898034.721	E = 593336.025	10+22.81



### OU-1 Property

## Weekly Construction Progress Report #34

**Period:** 03/05/12 – 03/11/12

### Project Work Performed:

- Completed final preparation of material barges.
- Completed final mechanical and electrical work for the SECI barge at the enclosure including programming.
- Completed loading and setup of excavators and dredges on the barges within the enclosure.
- Completed final programming of the sediment processing and water treatment systems.
- Completed mechanical work for connections to the storm water management pump station.
- Completed the installation of tank covers on the sludge tanks.
- Completed final testing of all systems.
- Began assembly and setup of scaffolding at the OU-1 and Upland Processing Facility (UPF) properties.
- Began dredging of sediment on March 9, 2012.

### Planned Activities - Weeks of 03/12 & 03/19:

- Complete assembly and setup of scaffolding at the OU-1 and UPF properties.
- Complete load out of tieback cuttings for off-site disposal.
- Begin sediment screening, pumping, processing, and water treatment on March 12, 2012.
- Complete batch process for the water treatment system. Complete performance testing on batch process water.
- Begin optimization of the systems of the project including screens, conveyors, polymers dosages, and backwash cycles.

### Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 0 (63)
  - Job Loss Analysis (JLAs) – 0 (36)
  - Near Loss – 0 (15)
  - Incidents – 0 (4)
  - Stop Work Authority 0 – (29)
  - Estimated field man hours to date – 65,400 hours.
- Background perimeter air monitoring activities were performed during the week of March 5, 2012 and samples have been sent to the laboratory. Perimeter air monitoring sample collection has continued through dredging and sediment processing activities.
- Worker safety air monitoring at the OU-1 and UPF properties has commenced.
- Baseline inclinometer readings have been completed. Beginning performance monitoring inclinometer readings this week.
- Began collection of tide gauge data.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Dredging operations inside the enclosure*



*Yard machine for moving containers at the Site*



*First material barge in position for offloading dredged material*

**Weekly Construction Progress Report #34  
(Continued)**

**Period:** 03/05/12 – 03/11/12

Construction Quality Assurance/Safety (continued):

- Geokon load cells for the tiebacks are in operation and being monitored.
- Completed settlement monitoring of concrete pads at the UPF. No discrepancies identified.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman, March 13, 2012

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



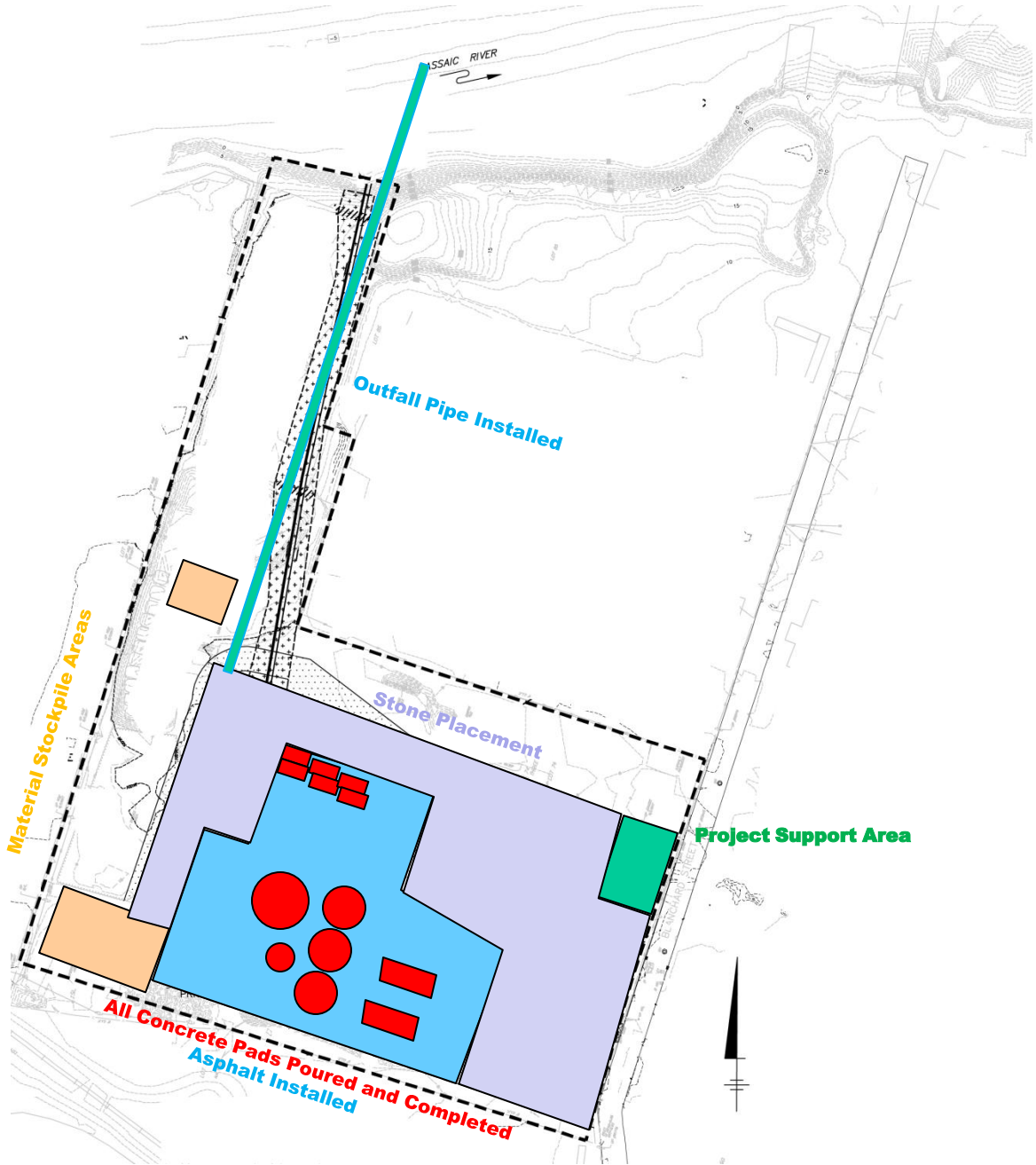
*Bucket installed on excavator on sediment screening barge*



*Weather station installed at the Site*

**Weekly Construction Progress Report #34  
(Continued)**

Period: 03/05/12 – 03/11/12



**UPF Property**

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey

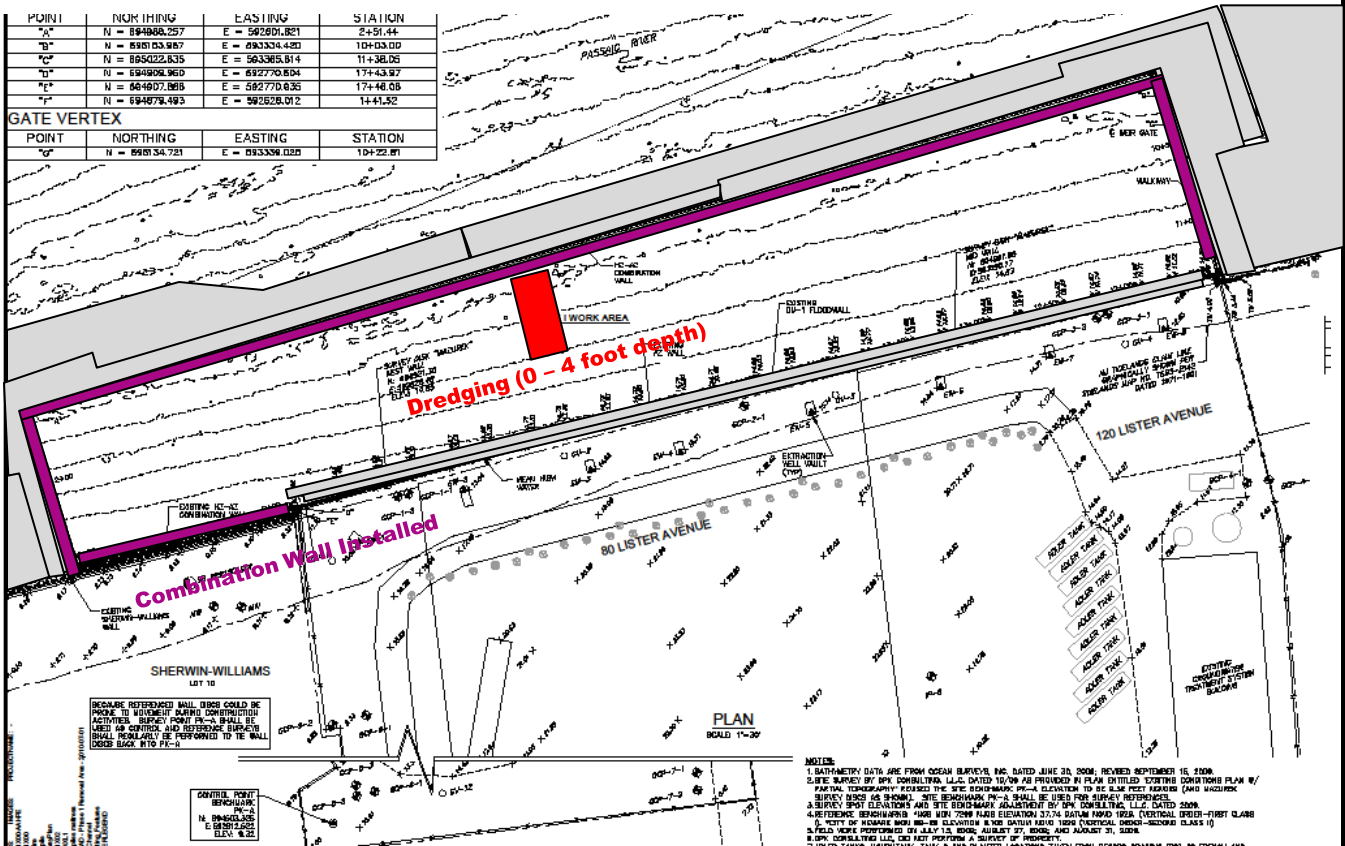
### Weekly Construction Progress Report #34 (Continued)

Period: 03/05/12 – 03/11/12

POINT	NORTHING	EASTING	STATION
"A"	N = 894985.257	E = 592851.351	2+51.44
"B"	N = 895015.887	E = 593336.422	10+03.00
"C"	N = 895022.635	E = 593365.814	11+38.05
"D"	N = 894904.960	E = 692770.804	17+43.97
"E"	N = 864607.888	E = 582770.636	17+48.08
"F"	N = 894678.493	E = 592628.012	14+41.92

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 898034.721	E = 693336.020	10+22.81



### OU-1 Property



## Weekly Construction Progress Report #35

**Period:** 03/12/12 – 03/18/12

### Project Work Performed:

- Completed assembly and setup of scaffolding at the OU-1 and Upland Processing Facility (UPF) properties.
- Continued dredging of sediment throughout the week of March 12, 2012. To date, completed dredging of approximately 6% of total volume targeted for the project.
- Began sediment screening, pumping, processing, and water treatment on March 12, 2012.
- Completed batch process for the water treatment system. Completed performance testing on batch process water. Performance testing results indicated the water treatment discharge water was within permissible limits.
- Began the loading, tarping, and transportation of intermodal containers for processed sediment. Approximately 1,540 tons of processed sediment has been loaded into intermodal containers and transported to the transload facility for loading onto railcars. The first six railcars loaded with intermodal containers left the transload facility on March 16, 2012. Completed load-out of tieback cuttings for off-site disposal.
- Began optimization of the systems of the project including screens, conveyors, polymers dosages, and backwash cycles.

### Planned Activities - Weeks of 03/19 & 03/26:

- Continue dredging of sediment within the first six feet of sediment depth within the enclosure.
- Continue sediment screening, pumping, processing, and water treatment.
- Continue the loading, tarping, and transportation of intermodal containers for processed sediment.
- Continue optimization of the systems of the project including screens, conveyors, polymers dosages, and backwash cycles.

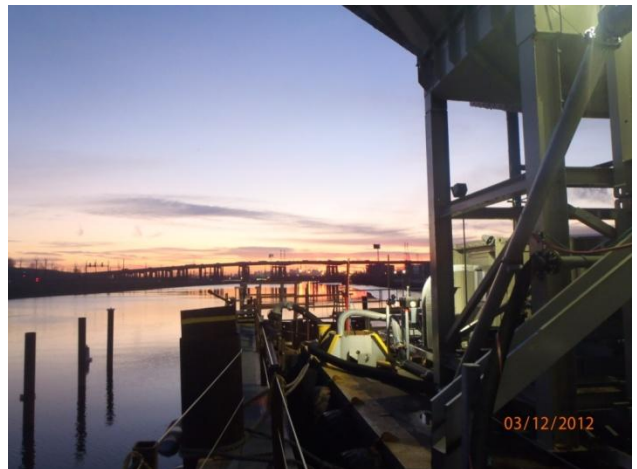
### Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 2 (65)
  - Job Loss Analysis (JLAs) – 0 (36)
  - Near Loss – 0 (15)
  - Incidents – 0 (4)
  - Stop Work Authority 0 – (29)
  - Estimated field man hours to date – 68,900 hours.
- Perimeter air monitoring sample collection continued through dredging and sediment processing activities.
- Worker safety air monitoring and sound monitoring at the OU-1 and UPF properties has continued.
- Continued collection of performance monitoring inclinometer readings and tide gauge data.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Off-loading sediment for screening and pumping*



*Screening barge during the early morning*



*Containers loaded on railcars for offsite disposal*

**Weekly Construction Progress Report #35  
(Continued)**

**Period:** 03/12/12 – 03/18/12

Construction Quality Assurance/Safety (continued):

- Geokon load cells for the tiebacks are in operation and being monitored.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman, March 19, 2012

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



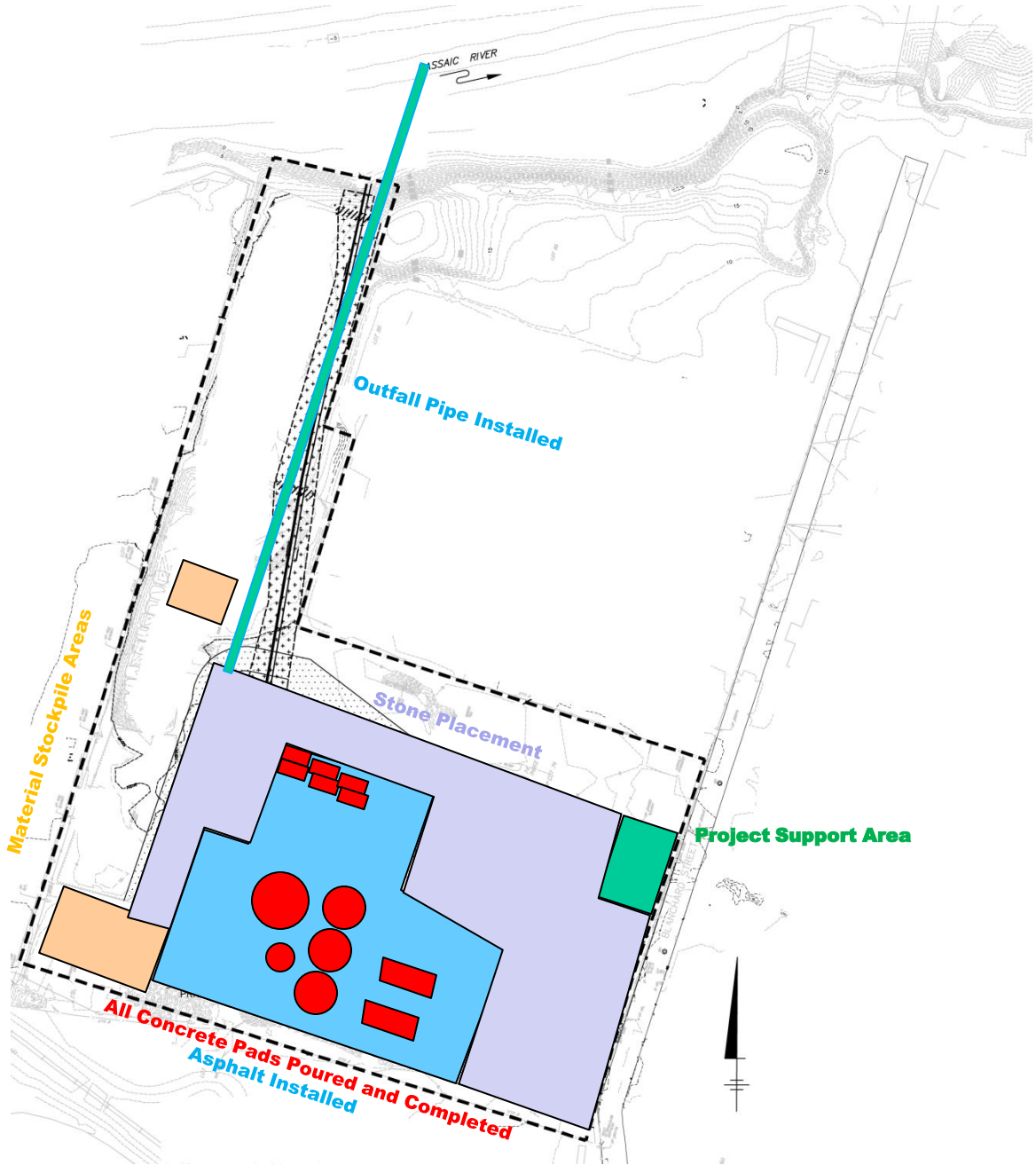
*Container tarping operation at the UPF*



*Dredged material in the material barge during dredging*

**Weekly Construction Progress Report #35  
(Continued)**

Period: 03/12/12 – 03/18/12



**UPF Property**

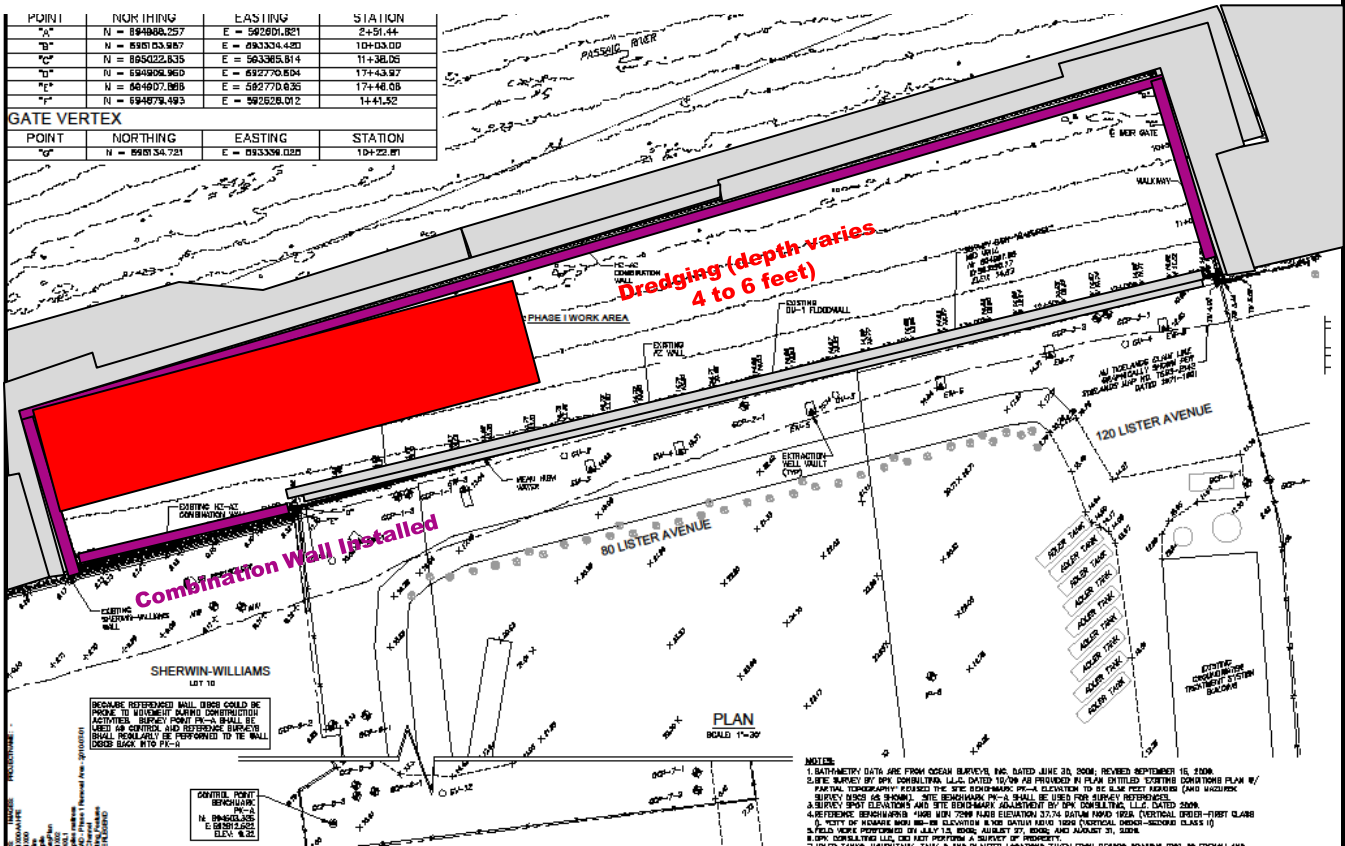
**Weekly Construction Progress Report #35  
(Continued)**

Period: 03/12/12 – 03/18/12

POINT	NORTHING	EASTING	STATION
"A"	N = 894985.257	E = 592851.351	2+51.44
"B"	N = 895015.887	E = 593336.422	10+03.00
"C"	N = 895022.635	E = 593365.514	11+38.05
"D"	N = 894904.960	E = 692770.604	17+43.97
"E"	N = 894907.888	E = 592770.636	17+48.08
"F"	N = 894878.493	E = 592628.012	14+41.92

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 895034.721	E = 593336.020	10+22.81



**OU-1 Property**

## Weekly Construction Progress Report #36

**Period:** 03/19/12 – 03/25/12

### Project Work Performed:

- Continued dredging of sediment throughout the week. To date, completed dredging of approximately 14% of total volume targeted for the project.
- Continued sediment screening, pumping, processing, and water treatment.
- Continued the loading, tarping, and transportation of intermodal containers for processed sediment. Approximately 3,410 tons of processed sediment has been loaded into intermodal containers (a total of 148 containers) and transported to the transload facility for loading onto railcars to date. Ten containers of coarse solids with a total of 206 tons of material has been transported to the transload facility to date.
- Continued optimization of the systems of the project including screens, conveyors, polymers dosages, and backwash cycles.

### Planned Activities - Weeks of 03/26 & 04/02:

- Continue dredging of sediment within the first six feet of sediment depth within the enclosure.
- Continue sediment screening, pumping, processing, and water treatment.
- Continue the loading, tarping, and transportation of intermodal containers for processed sediment.
- Continue optimization of the systems of the project including screens, conveyors, polymers dosages, and backwash cycles.

### Construction Quality Assurance/Safety:

- Loss Prevention System (LPS) tools utilized – number reported this period - (total project)
  - Task Improvement Process (TIP) – 1 (66)
  - Job Loss Analysis (JLAs) – 0 (36)
  - Near Loss – 1 (16) – Cable used for raising spuds on the barge broke. Guard designed to control the energy of a broken cable functioned correctly. No injuries or equipment damaged.
  - Incidents – 0 (4)
  - Stop Work Authority 0 – (29)
  - Estimated field man hours to date – 72,400 hours.
- Daily perimeter air monitoring sample collection continued through dredging and sediment processing activities.
- Worker safety air monitoring and sound monitoring at the OU-1 and UPF properties has continued.
- Continued collection of performance monitoring inclinometer readings and tide gauge data.
- Completed performance testing on the water treatment system. Performance testing results indicated the water treatment discharge water was within permissible limits.

## CERCLA Non-Time Critical Removal Action Phase I Removal Action Lower Passaic River Study Area Newark, New Jersey



*Placement of dredged sediment in a material barge*



*Screening dredged material at the enclosure*



*Processed sediment as filter cake*

**Weekly Construction Progress Report #36  
(Continued)**

**Period:** 03/19/12 – 03/25/12

Construction Quality Assurance/Safety (continued):

- Geokon load cells for the tiebacks are in operation and being monitored.
- Underwater sound monitoring event is scheduled for the Week of April 2, 2012.
- Continued to complete storm water best management practice (BMP) inspections consistent with the Storm Water Pollution Prevention Plan (SWPPP).

Prepared by Matthew Bowman, March 26, 2012

**CERCLA Non-Time Critical  
Removal Action  
Phase I Removal Action  
Lower Passaic River Study Area  
Newark, New Jersey**



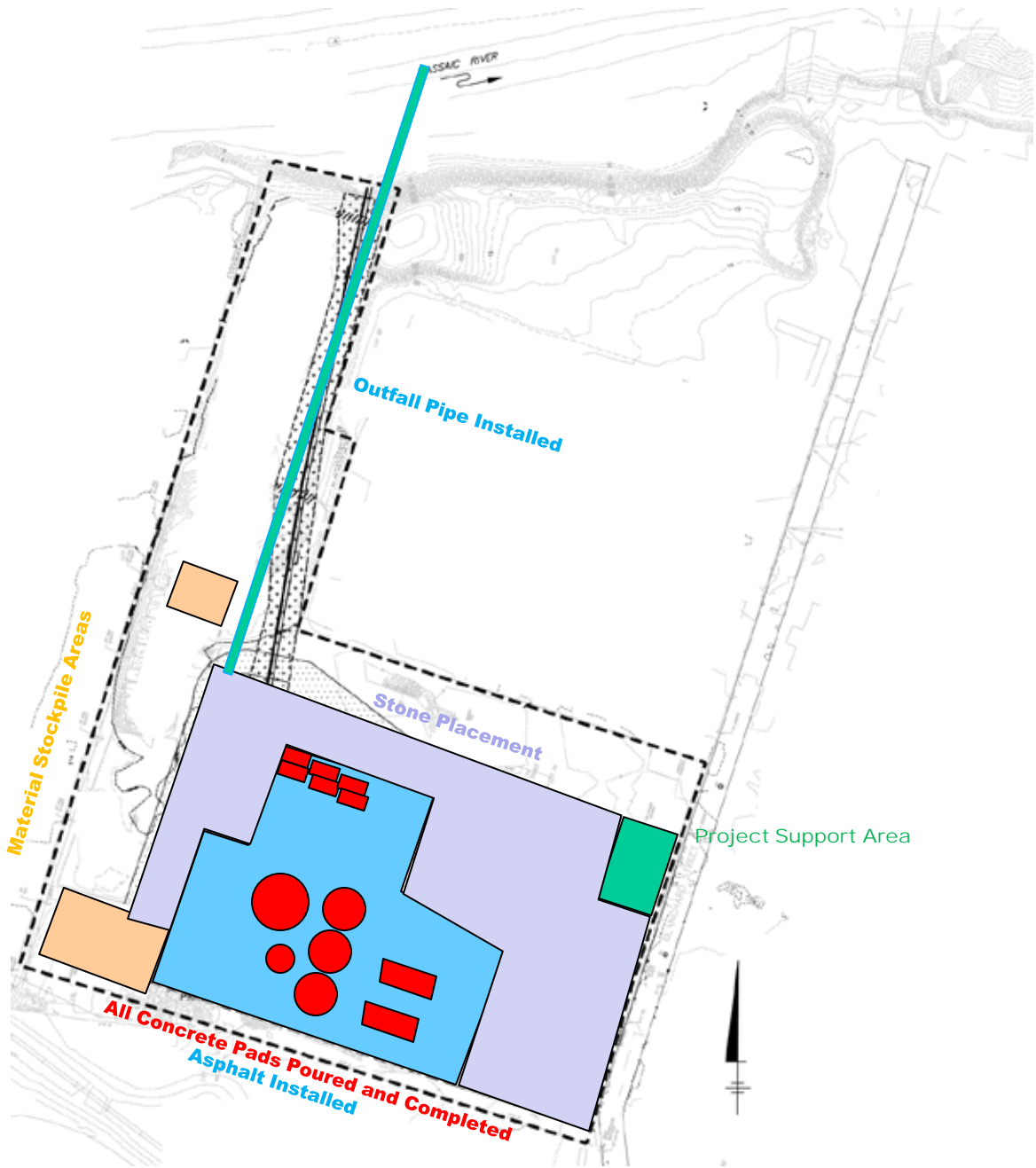
*Collection of water quality samples*



*Plates of the membrane filter press*

**Weekly Construction Progress Report #36  
(Continued)**

Period: 03/19/12 – 03/25/12



UPF Property

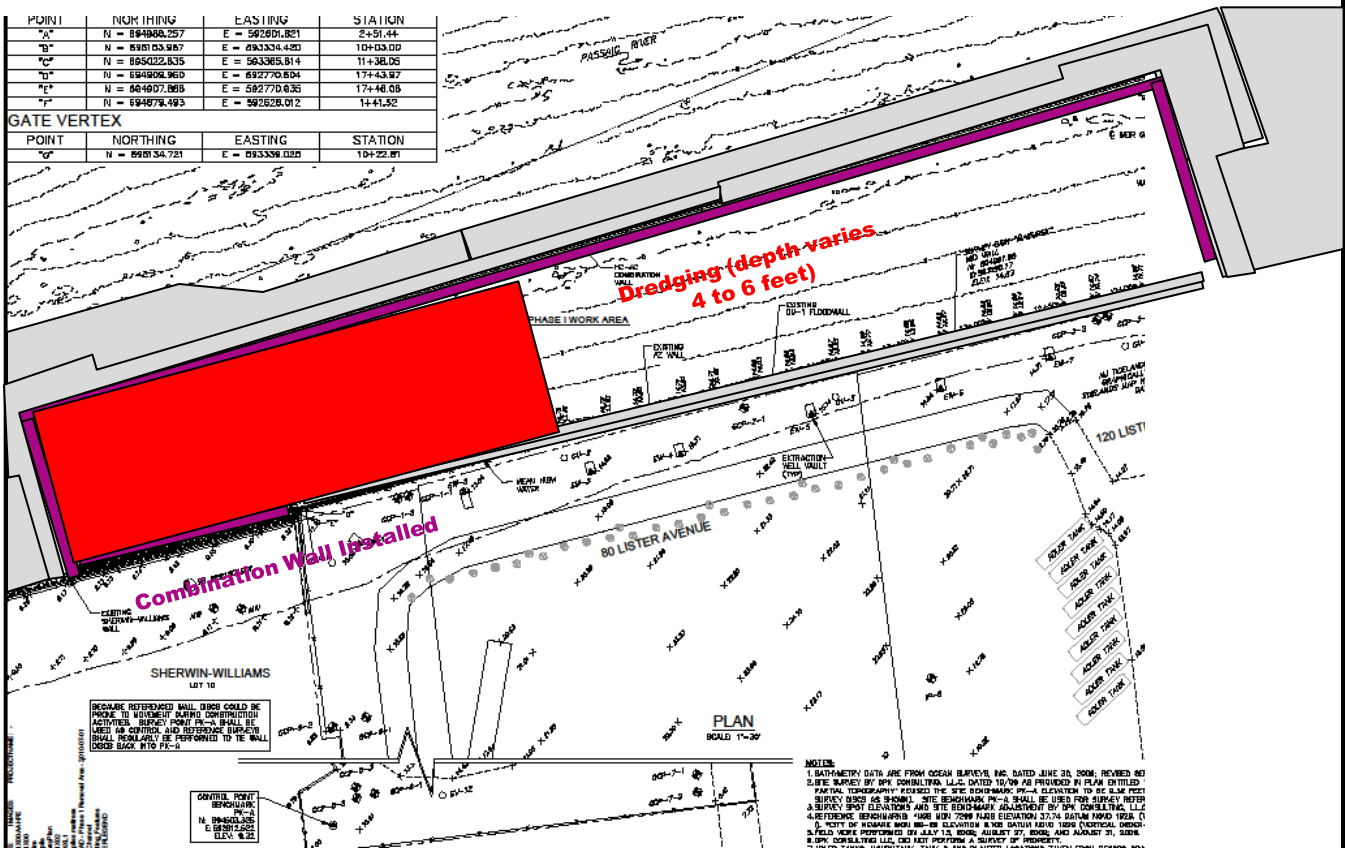
**Weekly Construction Progress Report #36  
(Continued)**

Period: 03/19/12 – 03/25/12

POINT	NORTHING	EASTING	STATION
"A"	N = 894985.257	E = 592851.351	2+51.44
"B"	N = 895015.887	E = 593336.482	10+03.00
"C"	N = 895022.635	E = 593365.814	11+38.05
"D"	N = 894904.960	E = 692770.804	17+43.97
"E"	N = 864607.888	E = 582770.636	17+48.08
"F"	N = 894678.493	E = 592628.012	14+41.92

GATE VERTEX			
POINT	NORTHING	EASTING	STATION
"G"	N = 895034.721	E = 593336.020	10+22.81



OU-1 Property