

**Weeks ending 11/20/15 and 11/25/16:**

Mashapaug Inner Cove

- ▶ Charter and Amec continue to monitor the condition of the wetlands and the surface water elevation.
- ▶ Charter and Amec continue to monitor the Phase I cap loam and hydroseeding done 11/4/15.
- ▶ The turbidity curtain will remain in place pending further stabilization of the Inner Cove soil cover (Phase I Area and wetlands). Due to the site surface not yet being stabilized sufficiently the turbidity curtain may remain in place through the winter. The surface water sampling would then be coordinated with the Parcel C groundwater sampling round in the spring 2016.

Phase III Area

- ▶ The north and west slopes of the Phase III Area were planted within the perimeter wetlands.
- ▶ Some minor washout occurred on the north and west side slopes above the perimeter wetland area. These areas were restored on 11/23 and reseeded on 11/24/15.
- ▶ Charter continues to work on the Phase III Area compacting the subgrade and laying marker fabric and common borrow. Loam is being delivered and spread to finished grade. This now extends down to the southern end of the Phase III Area.
- ▶ A small number of timber mats remain on site as they were too damaged to return to the vendor. These are currently stacked on the pavement near the western side of the former Carriage House area on the pavement pending offsite disposal by Charter as part of site closure.
- ▶ Charter added lime (6%) to the sediment pile completing the treatment of 4300 cubic yards. Charter completed the 1 foot lifts of treated sediment at the former Carriage House Area. The grading of this area was redesigned based on the finished volume of treated sediment. This includes a 4:1 or 5:1 slope from the top of slope down towards the Amtrak ROW. Trenches to key in the marker fabric were completed the marker fabric installed with some common borrow cover to anchor the fabric down.
- ▶ Erosion control measures have been maintained around the Phase III Area.

Parcel C

- ▶ Amec continued monitoring the growth of the grass surface and areas for potential washout; grass continues to grow and is stabilizing this part of the site.
- ▶ Washout did occur again primarily in the northeast corner of the field and within the eastern drainage ditch leading to the northeast drainage feature. Charter restored and reseeded this area on 11/24/15. Charter also added additional sediment fencing and waddles on the downstream side of the fencing in several locations of the drainage ditch to eliminate the scouring effect.
- ▶ More mulch rolls (waddles) were added in the northwest corner of Parcel C at the top of slope to eliminate potential washout of the slope.

## Notes

- ▶ Following the 10/22/15 email to RIDEM, three (3) perimeter air monitoring stations were set up in the “C2-C4” positions depicted on the Fixed Perimeter Air Monitoring Locations Map.
  - ▶ Time Weighted Average (TWA) results and hand held monitoring near work areas all below 0.15 mg/m<sup>3</sup> limit.
  - ▶ Meter C4 was discontinued after 11/13/15 as the meter had been located in the northwest corner of the Phase III Area. This area was already loamed and seeded and no work was being conducted in this area. Amec was also disturbing the seeding trying to access this location so the meter was removed from operation.
  - ▶ Meters C2 and C3 was not operated on 11/17, 11/19 or 11/20 due to rain events and damp site soil.
  - ▶ Meter C2 had no exceedances during the week of 11/16-11/20/15. Meter C-3 (Amtrak gate) had isolated exceedances on 11/16/15 for one to two minute periods related to the delivery of common borrow and loam to the Phase III Area. There was one exceedance on 11/18/15 at Meter C3.
  - ▶ Meter C2 had no exceedances between 11/23 and 11/25/15. Meter C3 (Amtrak gate) had only three exceedances for one minute each. This was due to the delivery of loam to the Phase III Area.
  - ▶ Arrow Security is no longer on site following the completion of the Inner Cove filling with water.
- ▶ The bulletin board has been maintained with updated construction, projected work and the dust monitoring results for the most recent week completed.
- ▶ The construction schedule dated 11/3/15 is being maintained. No updates have been required.

## **Activities scheduled for the upcoming weeks (11/30 to 12/4/15) will include:**

- ▶ Charter will cover with former Carriage House Area sediment with marker fabric and install the common borrow. Compaction testing will be conducted 12/2/15. The loam and seed cover will be completed by 12/4/15.
- ▶ Hydroseeding of the remaining Phase III Area will be conducted concurrent with the former Carriage House Area 12/4/15.
- ▶ Due to the completion of the Phase III Area to the southern end and limited work space remaining around the former Carriage House Area, Amec had to remove the air meters from the site. Historical data from meters C2 and C3 indicated there were no exceedances of the TWA threshold of 0.15 mg/m<sup>3</sup>. Isolated exceedances of this criteria did occur in relation to the imported soil deliveries for spreading on site. These typically lasted one to two minutes at most. The only remaining work is related to the spreading/compacting of imported common borrow over the Carriage House marker fabric and spreading/grading of the finished loam surface. All imported soil meets the RI Residential Direct Exposure Criteria.
- ▶ A construction punch list will be developed and reviewed with Charter on 12/3/15. Construction is on schedule for site completion and demobilization by 12/4/15. This will

include construction as-built plans for Parcel C, Mashapaug Inner Cove, Phase I wetlands and the Phase III Area.

- ▶ Amec and Textron will continue to monitor the surface stabilization of Parcel C, Phase I and Phase III Areas through the winter and spring.
- ▶ In lieu of a November 2015 and final monthly report, Textron and Amec will notify RIDEM and the City of Providence when the construction work at the former Gorham site is complete (proposed 12/4/15) and will then incorporate all of the site information into the Remedial Action Closure Report.