Schoenbart, Alex J (DEC)

From: Makowski, Jeffrey M <jmakows@lirr.org>
Sent: Thursday, May 28, 2015 2:57 PM
To: Rutland, Tara L (DEC)
Subject: FW: LIRR Substations: Manhasset V00396 RAWP

Categories: To Be DecDoced

FYI – see below

Thanks again,
Jeff

From: Rutland, Tara L (DEC) [mailto:tara.rutland@dec.ny.gov]
Sent: Thursday, October 23, 2014 2:39 PM
To: Makowski, Jeffrey M
Subject: RE: LIRR Substations: Manhasset V00396 RAWP

Jeff,

I just spoke with DOH and finalized discussions. The RAWP is accepted. Please finalize in preparation for approval once the Decision Document is approved.

Tara

From: Makowski, Jeffrey M [mailto:jmakows@lirr.org]
Sent: Thursday, October 23, 2014 9:53 AM
To: Rutland, Tara L (DEC)
Cc: Wilson, Andrew M; Albano, Albert S; 'Brian Connolly'; 'Peter Burger'; Bethoney, Charlotte (HEALTH)
Subject: RE: LIRR Substations: Manhasset V00396 RAWP

Tara,

Good morning; I wanted to touch base as we have not heard back from you regarding our responses outlined below to your August 20, 2014 comment letter to be incorporated into the revised Manhasset RAWP. As we have discussed, following your review / approval of our responses, we will incorporate these changes into the RAWP and will resubmit this document as Final for your formal approval. If you could please provide an update to the status of your review / approval, it would be greatly appreciated.

Thanks,
Jeff

Jeff Makowski
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Cell: (347) 804-7400

From: Makowski, Jeffrey M
Sent: Wednesday, October 01, 2014 11:34 AM
To: Tara Rutland (tara.rutland@dec.ny.gov)
Cc: Wilson, Andrew M; Albano, Albert S; Brian Connolly; Peter Burger; Bethoney, Charlotte (HEALTH) (charlotte.bethoney@health.ny.gov)
Subject: RE: LIRR Substations: Manhasset V00396 RAWP
Importance: High

Tara,

As discussed, with the assistance of our design consultant (STV), please find below our responses (***italicized in blue***) to your August 20, 2014 comment letter regarding the Remedial Action Work Plan (RAWP) prepared for the Manhasset (V00396) Substation. Following your review and approval of the below responses, we will incorporate these changes into the RAWP and will resubmit this document as Final for your approval. As we have discussed in the past, we would greatly appreciate an expedited review and approval of the below as it is our goal to commence the remediation of this site in the spring of 2015.

- **Please detail how the outfall area will be accessed, including the type of equipment to be used for the sediment removal, and what disturbance to vegetation/wetlands is anticipated.**

  Prior to the outfall excavation, a staging area will be temporarily constructed in a vegetative area directly south of the outfall and west of Bayview Avenue. A portion of the guard rail will be removed to allow trucks entry to the staging area. A construction entrance/exit will consist of a bituminous or wood plank ramp at the curb; an entrance of #57 stone and non-woven geotextile liner; and a vehicular wash down area. The staging area will be cleared, flush with the ground, of trees; brush; shrub; downed timber; rotten wood; rubbish; etc. The staging will be stabilized to prohibit soil erosion. The area of work will consist of areas for the stock piling of organic material; sediment trap/dewatering pit for excavated materials from the outfall; sediment load out and soil knock off area; and excavation entrance to the outfall.

  The following list represents the expected equipment and supplies that will be utilized to excavate the impacted material from the outfall area.

  1. ***30 metric ton hydraulic excavator with thumb and oversized finish bucket***
  2. ***(8-10) 4'x16'x12" crane mats***
  3. ***5 cubic yard wheel loader***
  4. ***(20) 7' x 14' composite matting (linkable)***
  5. ***Chainsaws***

  The excavator will enter the excavation area via the excavation entrance using the crane mats for displacement. Composite matting will be used as needed from the excavation entrance into the sediment staging area to allow the loader to transport the material from the area of excavation to the sediment dewatering pit. The excavation will commence at the furthest point from the outfall headwall at low tide and work back towards the headwall, piling the sediment to allow for drainage prior to being relocated by the loader to the sediment dewatering pit.

- **Please include a vegetation survey for the proposed dredging area and any areas that will be disturbed in accessing the dredging site. How will the area be accessed and, assuming vegetation will be removed, what replanting will occur to restore the area.**

  The area of excavation is primarily unvegetated and consists of accumulated sediment. Access to the area is discussed in detail above in response to Comment #1. Herbaceous species adjacent to the dredged area include giant reed grass (Phragmites australis), Japanese knotweed (Fallopia japonica) and canary reed grass

(Phalarus arundinacea). Giant reed grass and Japanese knotweed are invasive species that are typically found in disturbed wetlands and streamside habitats.

The staging area, on-site vegetation consists of an intermittent canopy layer, primarily populated by a few understory trees with a dense shrub layer on both sides of the outfall. Tree species observed included black locust (Robinia pseudoacacia), red maple (Acer rubrum) and black cherry (Prunus serotina). None of the observed trees were larger than 6 inches in diameter at breast height (dbh). Shrub species observed included red raspberry (Rubus ideaus), multiflora rose (Rosa multifora) and Tartarian honeysuckle (Lonicera tatarica).

Following the excavation of the outfall, the area will be replanted to restore the swale-side vegetation. Any unstable area will be stabilized to prevent soil erosion and will meet the requirements of the local Soil Conservation District (SCD) guidelines. The area will then be seeded with a native wetlands seed mix acceptable to the SCD. The seed mix will contain a diverse mix of grasses and forbs.

In addition, the upland areas used for construction access will be re-established with topsoil and planted with eastern white pine (Pinus Strobus) and mountain laurel (Kalmia Latifolia). An upland seed mix acceptable to the local SCD will also be used, to provide immediate stability following remediation activities.

- **What are the characteristics of the sediments being removed (grain size; TOC) and how do these characteristics compare with the proposed sand backfill. If the backfill is substantially different then the existing sediments, an alternative substrate should be used.**

  The composition of the sediments were assessed in the Letter Report, Analytical Results of Sediment Sampling, dated May 27, 2010 and is included as Appendix C in the Remedial Action Work Plan (RAWP). The material to be removed in general consists of a brown to black silty sand with some non-decomposed organic matter and plastic, fabric, concrete debris. The proposed backfill will consist of a sand from dredged material with the same inorganic properties as the native material. The organic component typical of the native material will be re-established with tidal movement and storm flows carrying both vegetative matter and silts from the outfall.

- **Clarification is needed on the depth of removal and whether the backfill will restore the bathymetry.**

  Due to the depth of accumulated sediment in some areas, the proposed dredging will return the area contours to original grade. The replacement material will match the basic composition of the excavated material, and it will be installed in 6-inch lifts, as needed, to maintain positive drainage. An Outfall Remedial Excavation Plan will be provided in the revised RAWP depicting the excavation areas and associated depths of removal.

- **A restoration plan will be needed for replacement of vegetation within the dredging and access areas.**

  A Landscaping Outfall Site Restoration Plan will be provided in the revised RAWP.

If you have any questions, please do not hesitate to contact me.

Best regards,
Jeff

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