

NJ Transit Substation Meeting Notes

Timeline:

3 Year estimate for full project completion.

- End of January – Work Begins
- March thru June – Pile driving for foundations (new substation building, wayside platform, etc). Will likely be a diesel pile hammer for driving 60' steel piles.
- May thru October – Dewatering and underground trenching for Wayside Power service in loop
- June – Power pole installation begins for secondary power feed
- Wayside platform and wayside power service to be completed last
- Work hours to follow Borough schedule: M-F, 8am to 6pm

Substation Building Specifics:

- 38' High
- A/C units on top with screened wall for concealment.
- Dark Iron Spot Brick Facade for entire building.
- Will be the closest building to wetlands/Twilight Lake.
- New Substation Foundation appears to be directly over standing water/ wetlands /Twilight Lake.
- No details on building having a fire suppression system.
- No details on spill containment within building. (Extremely close proximity to a waterway)
- Construction permits approved by DCA

Power Service:

- Existing Power service from Twilight Rd to remain primary service (Overhead).
- New redundant overhead service to be installed along NJT right of way.
 - Approximately fifteen, 60' tall wooden power poles to be installed along the west side of tracks within NJ Transit right of way.
 - New Power feed begins at Rt. 35 crossing in Point Pleasant Beach and continues along the west side of the tracks until reaching the current NJT personnel building. Lines will then cross overhead to the east side of tracks and to the new substation building.
 - Wooden Poles to be 60' high, lines will be set at 50' height.
- Diesel backup generator to be installed inside new substation building. To provide 3rd power source in case of power failure. Will provide power to all services except wayside power for locomotives.
 - Diesel generator needs to run weekly/monthly schedule to charge system battery.
 - No details provided on where diesel fuel tank will be located or capacity.
 - No details on how the diesel fuel tank will be filled.

Environmental:

- NJT is approved by DEP to fill a "small" area wetlands for this construction project. They are required to reclaim wetlands in another area for compensation.
 - Details on where fill and new reclamation will occur not provided.
 - The new building footprint may be completely within existing wetlands. Should be confirmed from NJT Construction drawings and DEP.
- A DEP representative will not be on site to oversee construction. The contractor or construction manager will need to contact DEP on their own with any issues.
- Dewatering: To be performed under all tracks in groups of two (approx. 11 tracks in total + run from substation transformer to tracks).

- Dewatering is required to remove water for trenching/installing conduits for wayside power system below ground.
- The dewatering area will be pulling water/soil contaminants from the area directly under where all locomotives have sat and idled for XX number of years.
- Soil samples were taken (exact location not provided by NJT) and are being analyzed to determine where the continuous water from this process can be discharged.
- Results will determine where/if NJT can discharge this water:
 1. Not Contaminated - Discharge directly back into wetlands/Twilight Lake/Barnegat Bay.
 2. Semi-Contaminated - Water placed into storage tanks and treated on site before being discharged into Barnegat Bay.
 3. Very Contaminated - Water to be stored and hauled off site for further treatment.
- Lake & Wetland areas will be protected from construction runoff by a silt fence.
 - There is no plan to place floats into the lake to stop unexpected spills or equipment leaks.

Construction Traffic:

- Construction equipment & heavy machinery to utilize Twilight Rd to Rt.35 for entrance/exit.
 - All equipment will be stored/staged within NJT property.
 - All personnel for project will park within NJT property.
 - TY LIN – Construction Manager
 - PKF-Mark III – Contractor

Info & Contact:

- Public notice will be published by NJT's design contractor informing of project.
- Contact list to be shared between NJT and Borough for emergencies & complaints.

Building Rendering



1/8/20

Approximate Location

