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April 17, 2020 Memo:

Initial comments from the Albany County Department of Public Works on the stormwater and water protection segments and related materials within the Draft Environmental Impact Statement for Rapp Road Residential / Western Avenue Mixed Use Redevelopment Projects.

Summary:

- 14.8 ac
- Stormwater Infrastructure drains to Crossgates SW infrastructure, then drains to Krumkill Crk (Class A Stream)
- 3 Water Quality Structures: 3 Contech CDS Units, 1 StormTrap System
- Wetland Disturbance: .093 ac, seeking permit from USACOE for fill
- Oil Water Separator is not connected to Sanitary Sewer lines, needs to be
- Test Pits/Borings:
 - Groundwater encountered between 2.5' and 18'- on average 14.3'
 - Excavations will be encountering groundwater- Underground storage tanks, utility excavations

Fill:

- Stream/drainage ditch area to the North receiving roughly 20' of fill, settling issues with utilities placed in fill
- Geotechnical Report:
 - Concerns with sandy soil presenting structural support issues for structures
 - Underground Storage Tanks may require tie downs due to groundwater infiltration into excavations
 - Cut and mass fills averaging +/- 8 feet throughout the majority of the site
 - Structural fill may need to be brought on site if excavated soil does not meet compaction requirements

Site Plans:

- Sheet 5, “Water that accumulates in the open trench will be completely removed by pumping, as required, to a facility for removal of sediment in accordance with NJ-DEP guidelines.”
- NYSDOT guidelines are to be used for this project, not NJ-DEP

Phases of Work:

- SWPPP states 3 Phases of Work will occur, each phase is encompassing the entire property and ROW for utility excavation
 - Phase 1: Initial Site Prep Phase, Total Disturbance 17.41 acres
 - Phase 2: Rough Grading Phase, Total Disturbance 17.41 acres
 - Phase 3: Final Phase, Total Disturbance 17.41 acres
- Per MS4 SWPPP Checklist:
 - “Request to disturb greater than 5 acres at any given time including justification for disturbance, additional erosion and sediment control measures to mitigate disturbance, phasing plan, cuts and fills plan, and total acreage to be disturbed in each phase.”
 - Each phase is over 3x the recommended 5 acre maximum disturbance of a construction site at one time (GP-0-20-001). The idea of phase work is to prevent expansive disturbances to a construction site from occurring.
 - Consideration should be made to reduce the size of the disturbance in each phase, or justify why the disturbance is necessary for the scope of work.
- Copied from GP-0-020-001:

The owner or operator of a construction activity shall not disturb greater than five (5) acres of soil at any one time without prior written authorization from the Department or, in areas under the jurisdiction of a regulated, traditional land (Part II.D.3) 16 use control MS4, the regulated, traditional land use control MS4 (provided the regulated, traditional land use control MS4 is not the owner or operator of the construction activity). At a minimum, the owner or operator must comply with the following requirements in order to be authorized to disturb greater than five (5) acres of soil at any one time:

- A. The owner or operator shall have a qualified inspector conduct at least two (2) site inspections in accordance with Part IV.C. of this permit every seven (7) calendar days, for as long as greater than five (5) acres of soil remain disturbed. The two (2) inspections shall be separated by a minimum of two (2) full calendar days.
- B. In areas where soil disturbance activity has temporarily or permanently ceased, the application of soil stabilization measures must be initiated by the end of the next business day and completed within seven (7) days from the date the current soil disturbance activity ceased. The soil stabilization measures selected shall be in conformance with the technical standard, New

York State Standards and Specifications for Erosion and Sediment Control, dated November 2016.

- C. The owner or operator shall prepare a phasing plan that defines maximum disturbed area per phase and shows required cuts and fills.
- D. The owner or operator shall install any additional site-specific practices needed to protect water quality.
- E. The owner or operator shall include the requirements above in their SWPPP.