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Memorandum

To: file
From: Melanie Osterhout, P.E.
Date: 7/25/2025
Project #: 486-0-0
Re: Quaker Bridge Road Bridge Replacement

Regarding the Village of Croton-on-Hudson Indian Brook-Croton Gorge Inter-Municipal Watershed Protection Overlay District (WPOD) Findings Statement, per Village Code 230-20.14 and 230-20.15:

230-20.14

- 1) All construction activities (as defined by the agency having approving jurisdiction) that involve soil disturbances greater than 5,000 square feet shall comply with the latest edition of the New York State Department of Environmental Conservation (NYSDEC) Stormwater Manual. All construction activities shall be required to meet the standards set forth in the SPDES General Permit for construction activities that involve soil disturbances greater than 5,000 square feet and all stormwater pollution prevention plans shall meet water quantity and quality controls for all new impervious surfaces as outlined below.

A SWPPP is being prepared for the proposed project in compliance with GP-0-25-001.

- 2) Any new construction activity which creates new impervious surfaces greater than 5,000 square feet shall be treated for water quality volume (WQv), peak flows (cfs) and volume (cf) as outlined in the New York State Department of Environmental Conservation (NYSDEC) Stormwater Management Design Manual, latest edition, and Chapter 196, Stormwater, Drainage, Erosion and Water Pollution Control, and include enhanced requirements for pollutants of concern as outlined and incorporated in the Stormwater Management Design Manual, latest edition.

Less than 5000 square feet of new impervious surface is being created by the proposed project, however a SWPPP is being prepared for the proposed project in compliance with GP-0-25-001 and the above listed manuals.

- 3) Low-impact development (LID) practices shall be provided to the extent feasible for all new or redevelopment within the watershed, including the use of bioretention

facilities, rain gardens, vegetated rooftops, rainwater harvesting, and permeable pavements.

A SWPPP is being prepared for the proposed project in compliance with GP-0-25-001. The LID practices listed above are not feasible for a bridge replacement at the project site, considering the surrounding existing topography, site use and in an effort to minimize disturbance/clearing.

4) Pollutant loadings will not damage any wetland, water body or watercourse.

A SWPPP is being prepared for the proposed project in compliance with GP-0-25-001. Pollutant loadings will not increase from existing conditions.

5) Grading and removal of vegetation is minimized for all construction.

Grading and clearing has been limited to the minimum required for construction of the bridge and access.

6) Septic systems must be pumped at least once during every three-year period.

Not applicable.

7) The storage and stockpiling of manure and other animal waste for use in agricultural operations, agricultural use of fertilizers and land application of manure, and pesticide (including herbicide) storage and use shall comply, to the maximum extent possible, with the practices detailed in the most current versions of "Controlling Agricultural Nonpoint Source Water Pollution in New York State - A Guide to the Selection of Best Management Practices to Protect Water Quality," published by the Bureau of Technical Services and Research, Division of Water, or "Agricultural Management Practices Catalogue for Nonpoint Source Pollution Prevention and Water Quality Protection in New York State."

Not applicable.

8) Fertilizers, pesticides, and herbicides shall not be applied in a manner or at a rate which contributes to or causes a contravention of the water quality standards set forth in 6 NYCRR 700 to 705.

Not applicable.

9) Pesticide storage and use (including herbicides) are subject to the approval of, and shall comply with the regulations of, the New York State Department of Environmental Conservation.

Not applicable.

- 10) Disposal of pesticide, including herbicides, is prohibited unless authorized by a permit issued by the New York State Department of Environmental Conservation.**

Not applicable.

- 11) Disposal of water used for pesticide makeup water or for washing of pesticide equipment is prohibited unless authorized by a permit issued by the New York State Department of Environmental Conservation.**

Not applicable.

- 12) Use of streams as sources of water for the washing of equipment used in conjunction with pesticide or herbicide application is prohibited.**

Not applicable.

- 13) Lawn chemicals (pesticides and herbicides) shall not be applied within 25 linear feet of any watercourse, or within a wellhead buffer area.**

Not applicable.

- 14) Storage of chloride salts and coal shall be in structures designed to minimize contact with precipitation and constructed on low-permeability pads designed to control seepage and run-off.**

Not applicable.

- 15) Chloride salt application, Deicing chloride salt use is restricted to the minimum amount needed for public safety as determined by the Superintendent of Public Works.**

This will be controlled by the Village of Croton-on-Hudson and The Town of Cortlandt.

- 16) Any petroleum storage tank(s) installed or replaced after the effective date of this article must be aboveground or fully visible for inspection within the basement or other interior space, and secondary containment is required for all new tanks.**

Not applicable.

230-20.15

- 1) **Development of wetlands, watercourses, water bodies and buffer areas are to be avoided except where no reasonable alternative exists or where the applicant would otherwise suffer undue hardship if a permit is not issued. In the event such development is approved, impacts shall be minimized to the greatest extent practicable, and a mitigation plan shall be prepared.**

The project proposes 550 CY of stone fill placed within 2,290 SF below the ordinary high water of the Croton River. In total, 250 LF of the river will be impacted. These are the minimum impacts required for construction access and bridge construction.

- 2) **All applications for permits to disturb wetlands, watercourses, water bodies and buffer areas in the Indian Brook-Croton Gorge Inter-Municipal Watershed Protection Overlay District shall follow the requirements contained in Chapter 227, Wetlands, of the Village of Croton-on-Hudson Village Code, unless a more stringent or restrictive requirement is listed in this section.**

See the separate memo regarding Chapter 227.

- 3) **As a condition of the granting of any wetland permit within the Indian Brook-Croton Gorge Inter-Municipal Watershed Protection Overlay District, the approving authority shall require that the applicant submit a mitigation plan per the requirements listed in Chapter 227, Wetlands, of the Village of Croton-on-Hudson Village Code.**

No wetlands impacts are proposed. The project proposes the removal of 76 trees in the project area (including 57 within the Village of Croton-on-Hudson) and impacts below the ordinary high water of the Croton River. These impacts include 550 CY of stone fill placed within 2,290 SF. In total, 250 LF of the river will be impacted. Mitigation in the form of tree plantings is proposed.

- 4) **Within the Indian Brook-Croton Gorge Inter-Municipal Watershed Protection Overlay District, the applicant shall be required to create replacement wetlands or restore, re-create or enhance existing wetlands equal to twice the area of wetland directly impacted.**

No wetlands impacts are proposed. 100 trees are proposed to be placed in the project area as mitigation.

5) Buffers:

The project proposes the removal of 76 trees in the project area (including 57 within the Village of Croton-on-Hudson). 100 trees are proposed to be placed in the project area as mitigation. Additionally, steep slopes will be protected by rolled erosion control matting and will be vegetated with NYSDOT roadside seed mix, and streambanks will be protected from erosion by heavy stone fill and live stakes up to the 50-year storm water surface elevation plus 1ft.

Please let me know if you require any additional information.