

Brewster Yards (aka ProSwing)
160 & 132 Pugsley Road
Town of Southeast, Putnam County, NY

**Review of the Revised Preliminary Stormwater Pollution
Prevention Plan**

By: Donald W. Lake, Jr. PE, CPESC, CPSWQ
on behalf of the
Office of New York City Watershed Inspector General
May 18, 2023

These notes are based on my review of the following documents and meeting:

- a. Preliminary Stormwater Pollution Prevention Plan (PSWPPP), May 3, 2022, 380 pages, prepared by Insite Engineering (Insite), including Appendices A through L.
- b. Civil Drawings, 31 sheets with a revision date of May 4, 2023.
- c. Soils and Slopes Map, with a revision date of May 4, 2023.
- d. Letter from Insite to Watershed Inspector General (WIG) Scientist Charles Silver dated May 4, 2023, providing a response to the WIG's technical comments dated March 10, 2023.
- e. April 12, 2023 telephone conference with John Watson and Zac Pierson (Insite), and Donald W. Lake, Jr. to discuss the WIG's March 10, 2023 comments.

Introduction

This review evaluates the documents referenced above and how they address the technical comments submitted by the WIG on March 10, 2023. The majority of the WIG's technical comments have been satisfactorily resolved, including our previous concern that the extent of the proposed development was excessive, rendering the proposed

stormwater management controls insufficient. *See* WIG March 10, 2023 Comment # 9. As discussed with Insite Engineering on April 12, 2023, a storage reservoir system will be constructed, consisting of a 4-inch layer of gravel, to provide the necessary storage volume to support a curve number of 86 and to maintain the current project layout. This reservoir system addresses the WIG's overarching concern with the project's scale in our March 10, 2023 technical comments and should now assure protection of water quality and sufficient stormwater management control. The WIG's remaining comments are presented below.

1. The Town of Southeast is the Owner/Operator of the site and is responsible for current and future operation and maintenance activities at the facility. A significant amount of mowing will be required for the vegetated side slopes at the stormwater management practices. According to Drawing D-4, Details, Permanent Stormwater Facilities Maintenance Schedule table all exterior slopes will be mowed twice a year. Most of these slopes are 2:1 and cannot be mowed using motorized equipment. We continue to recommend these slopes be constructed to 2.5:1 or flatter for public and maintenance worker safety.
2. As noted in the Insite letter #9, to achieve a curve number of 86, a 4" layer of gravel is to be placed beneath the overflow underdrain system to provide the necessary storage volume. This is shown on Drawing D-1, Details. However, according to Drawing D-7, the Panel Drain to Perimeter Drain Connection Detail, shows the connector pipe as "Perforated". A perforated pipe will empty the water stored in the 4" gravel layer prematurely. This pipe must be changed to "Non-Perforated" (or solid), to prevent this.
3. WIG comment #22 – The erosion and sediment control practices to be employed for the Force Main directional drilling do not appear on the drawings. These need to be provided.
4. The PSWPPP should be labeled "Revised" and dated May 3, 2023. In addition, the Post-Development Future Land Use category, appearing in Appendix J of the PSWPPP for the DEC General

Permit Draft Notice of Intent, needs to be reclassified as
“Recreational/Sports Field” and not as “Forest”.