



851 Chemung Street
Horseheads, New York 14845

June 17, 2019

Mr. Tom Skebey, Code Enforcement Officer
Town of Horseheads Code Enforcement Department
150 Wygant Road
Horseheads, New York 14845

**Re: Dollar General
Old Ithaca Road, Town of Horseheads
Review of Stormwater Pollution Prevention Plan**

Mr. Skebey:

I have completed a review of the following submitted information for the above-referenced project regarding the Stormwater Pollution Prevention Plan (SWPPP) and stormwater management system design for that project.

- Stormwater Pollution Prevention Plan for Horseheads Site, Stamped by a NYS Licensed Professional Engineer, Prepared by Fagan Engineers, Revision dated May 5, 2019, Received June 14, 2019
- Project Drawings for the Broadway Group Horseheads Site, Final Prints, Stamped by a NYS Licensed Professional Engineer, Prepared by Fagan Engineers, Revision dated June 14, 2019, Received on June 14, 2019

Upon review of the above submitted information, I believe that the SWPPP and stormwater management system are acceptable. This acceptance is conditioned upon the following items.

1. One set of final approved Stormwater Pollution Prevention Plan (including one set of the approved Site Development Plans), with the executed approval stamp of the Chemung County Stormwater Coalition, must be on-site at all times during construction until complete site stabilization.
2. This acceptance pertains only to stormwater drainage and management facilities. It is incumbent upon the Applicant to obtain all necessary regulatory approvals and permits, including the drive access permit.
3. Upon completion of the proposed site construction (including the stormwater collection and management systems), a licensed professional engineer shall provide a certification letter to the Town of Horseheads Code Enforcement Officer (copied to the Chemung County Stormwater Coalition), stating that the project was constructed in conformance with the approved plans and specifications. Deviations from the approved plans should be noted. Also, these associated changes shall be noted on the plans and a copy of these plans provided to the Town.
4. Prior to the start of construction, it is requested that the Applicant arrange a meeting with the Town of Horseheads Code Enforcement Officer, the Chemung County Stormwater Coalition, contractors, and the Applicant's design professionals, to discuss requirements associated with the SWPPP and SPDES permit.

5. To maintain the existing Hydrologic Soil Group rating for disturbed areas proposed to be vegetated, Soil Restoration shall be completed in conformance with NYSDEC's document entitled Deep-Ripping and Decompaction, April 2008 and Table 5.3 of the NYS Stormwater Management Design Manual.
6. Silt, sediment, and/or dust shall not be allowed to leave the project site, including tracking onto public streets. Furthermore, silt and sediment shall not be directed to the proposed stormwater infiltration system. Erosion and sediment controls, outlined in the accepted Erosion & Sediment Control Plan, shall be implemented and maintained to ensure this purpose. If silt, sediment, and/or dust are found to be leaving the site or being directed to the stormwater infiltration system, the Owner (or their contractor) shall take immediate actions to correct the situation.
7. It is imperative that silt and sediment not be directed to the stormwater infiltration basin, as the performance of the infiltration capacity of this basin could be negatively impacted. Furthermore, compaction and/or smearing of the soils within the infiltration system shall be avoided, as these can result in a reduction of the infiltration capacity.
8. Appropriate erosion and sediment control measures shall be implemented at any off-site spoils area, where cut from the project site shall be placed and stockpiled. These measures shall be consistent with the New York State Standards and Specifications for Erosion and Sediment Control. The Erosion & Sediment Control Plan shall be amended, if off-site soil stockpile areas are proposed to be utilized for this project.
9. The proposed stormwater management system shall include the following components.
 - A catch basin and storm sewer system to collect and convey stormwater
 - Stormwater infiltration basins
 - A CrystalStreams water quality treatment unit

The stormwater management system is designed to accommodate up to the 100-year storm return period without having any runoff from the proposed impervious areas reaching off-site areas.

10. Runoff from the proposed building roof shall be conveyed via storm sewer piping that connects directly to the proposed on-site storm sewers. Prior to the start of construction, the design engineer shall provide a plan (that shows the size and locations of the proposed roof drains) to the Town of Horseheads Code Enforcement Officer for his review and acceptance.
11. The project site is in the proximity of an existing Village of Horseheads groundwater supply well that is part of the Village's municipal water system. As such, it is important that the operation and maintenance of the proposed Dollar General facility be such that pollutants that could negatively impact groundwater quality are not introduced to the groundwater. Hotspot land uses and activities on this site are not proposed and not acceptable for this site.
12. Proper grading of the proposed parking lot and drive is essential for the proposed stormwater management system. As designed, stormwater flows (in excess of the capacity of the storm sewer system) shall be conveyed overland to the proposed infiltration basin. To accomplish this design objective, diligent grade control during construction (including paving operations) by the contractor(s) will be needed.
13. A formal, signed enforceable maintenance agreement for the stormwater management system shall be provided by the Applicant/Owner, accepted by the Town, and executed by the Applicant, prior to the issuance of the Certificate of Occupancy for this project. This agreement shall be binding on all subsequent landowners and recorded in the office of the County Clerk as a deed restriction on the property. That agreement must be fully consistent with the Town's Stormwater Management and Erosion and Sediment Control Ordinance and accepted by the Town and their attorney. Also, the Applicant shall convey to the Town easements and/or rights-of-way to assure access for periodic inspections by the Town or their representatives.

The maintenance agreement shall include a detailed operation & maintenance plan that has specific provisions for the long-term maintenance of the stormwater management system, to ensure the long-term performance of the stormwater management systems. This agreement, as well as the Operation & Maintenance Plan, shall be subject to the review and approval of the Town of Horseheads, their attorney, and Chemung County Stormwater Coalition.

In regards to the proposed stormwater collection and infiltration systems, a detailed O & M Plan should be developed that includes (but not be limited to) the following items.

- i. Specific operation and maintenance tasks
- ii. Monitoring requirements (including frequency)
- iii. Frequency and thresholds of maintenance activities

Like other stormwater infiltration systems, the stormwater infiltration basins have an effective life span, after which the repair and/or reconstruction of this basin would be needed. A number of factors impact the effective life of an infiltration system, including the nature of the existing soils, the nature and amount of solid particulates discharged to the system, and the degree of maintenance. Maintenance of the proposed stormwater management systems will be critical to the long-term performance and effective life of the stormwater basins. The associated drain time of these basins should be routinely monitored.

Of note, the maintenance of the CrystalStream water quality unit (including the replacement of the filter media) is imperative for the proper performance of this unit. Specifics regarding the replacement of the filter media shall be included in the O & M Plan.

14. A PDF of the approved plans and SWPPP shall be directed from the applicant to the Town of Horseheads Code Enforcement Officer and to this office for our digital records.

If you have any questions or comments regarding this letter, please do not hesitate to contact me. Furthermore, I would be happy to meet to discuss this project in greater detail.

Sincerely,

A handwritten signature in blue ink that reads "Jimmie Joe Carl".

Jimmie Joe Carl, P.E.

Cc: Fagan Engineers