



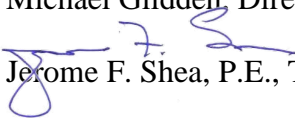
Town of Simsbury

933 HOPMEADOW STREET ~ SIMSBURY, CONNECTICUT 06070

Engineering Department

MEMORANDUM

To: Michael Glidden, Director of Planning and Community Development

From:  Jerome F. Shea, P.E., Town Engineer

Cc: Daniel F. Gannon, Project Engineer

Subject: Engineering Comments – Tanager Open Space Parking Lot, East Weatogue Street

Date: January 28, 2021

I have completed a review of the application that included the following documents:

1. Plans entitled “Site Plan – Tanager Open Space Parking Lot prepared by SLR International Corporation, dated January 22, 2021”.
2. Response to Review Comments from Thomas J. Daly, P.E. of SLR International Corporation to Jerome F. Shea, P.E. of Town of Simsbury, dated January 22, 2021.

Below are comments for the submitted plan:

1. The bio-infiltration area does not appear suitable in size to capture and infiltrate the runoff from the associated sub watershed. Consider a secondary drainage connection from this area as an overflow draining towards the south portion of the site. This drain shall be designed to reduce potential clogging and ongoing maintenance. Alternatively, provide drainage calculations showing the bio-infiltration area does not overflow onto East Weatogue Street during high-frequency storm events.
2. The underdrain proposed is located at the base of the boulder wall. It is suggested that the applicant revise the underdrain to be hydrologically connected to the stone layer behind the boulder wall to prevent groundwater from leaching from the boulder wall face and onto the parking area. Provide a hybrid detail that includes both the underdrain and the boulder wall.
3. Provide adequate cover over the underdrain outlet from the end of the boulder wall to the rip rap outlet. Consider the pipe in the underdrain to be perforated along the boulder wall, and solid from the end of the boulder wall to the rip rap outlet.

4. A curtain drain and cleanout exist at the proposed driveway location within the right-of-way. Provide a cap for the cleanout that is suitable for vehicular loading and the appropriate design to protect the integrity of the curtain drain. Limit excavation over the curtain drain so as not to impact its function after construction of the driveway.
5. The length of the handicap accessible parking space is inconsistent between the plan view (18'L) and detail (20'L).
6. A Modified Rip Rap Slope detail is provided, although no rip rap slopes are proposed on the plan view. If this detail is meant to correspond with the rip rap outlet of the underdrain, provide a shallower than 1:1 slope and show the outlet of the underdrain.