

# AMORY ENGINEERS, P.C.

WATER WORKS • WATER RESOURCES • CIVIL WORKS

25 DEPOT STREET, P.O. BOX 1768  
DUXBURY, MASSACHUSETTS 02331-1768

TEL.: 781-934-0178 • FAX: 781-934-6499  
WWW.AMORYENGINEERS.COM

May 16, 2022

Hingham Planning Board  
210 Central Street  
Hingham, MA 02043

**Subject: South Shore Country Club, 274 South Street, Site Plan**

Dear Planning Board Members:

This is to advise that we have reviewed the following documents pertaining to the proposed pool complex at the subject site:

- Site Plan – South Shore Country Club Outdoor Pool Complex (19 sheets), dated March 17, 2022, prepared by Pare Corporation (Pare)
- Stormwater Management Report, dated January 5, 2022, prepared by Pare
- Site Plan Review Narrative, prepared by Pare

The purpose of our review has been to evaluate conformance with Hingham Zoning By-Laws (ZBL), MassDEP Stormwater Management Standards (SMS) and good engineering practice.

## **Background**

The project site is located at the northern portion of the 154.2± acre South Shore Country Club property. The project site/proposed limit of work encompasses about 1.24 acres of the property. Currently, the project site contains existing tennis courts, woods, paved parking spaces and landscaped areas. It is located within the Business Recreation zoning district.

The proposal calls for demolition of the existing tennis courts and some paved parking spaces and construction of an outdoor pool complex, including a bathhouse, equipment storage building, walkways, revised parking and landscaping. Stormwater would be collected in new trench and area drains and new and existing catch basins, and conveyed to a subsurface infiltration system consisting of plastic chambers surrounded by crushed stone. Overflow from the subsurface system would discharge into the wooded area just east of the proposed development. Other utilities would be connected to existing infrastructure on site.

## **Comments**

1. The outlet from the subsurface infiltration system is not modeled correctly in HydroCAD. The two-stage weir should be modeled as four inches wide by six inches high (not 2.5 feet high) and then four feet wide by the remaining height in the structure. Alternatively, the Outlet Control Structure Detail on Sheet C5.2 should be revised to match the model.
2. The Drainage and Utility Plan (Sheet C4.0) shows drain connections to the proposed bathhouse. We assume that these are downspout connections but this should be confirmed and clarified. Any drains from inside the building would need to be connected to the sanitary sewer.

3. Note 10 on Sheet C4.0 should be explained further. For example, does this mean that the trench drains around the pool will be connected to the sanitary sewer or stormwater system?
4. Area drain and catch basin details should be included on the plans.
5. The pretreatment row is shown on the wrong end of the Underground Infiltration System (UGIS-1) Plan View detail on Sheet C5.3. It should be located on the inlet end of the system. Elevations should be included on the detail also.
6. Inspection ports are shown on the Underground Infiltration System (UGIS-1) Plan View detail with a note saying to see the detail. However, no detail of the inspection ports is included on the plans.
7. It appears that the perimeter erosion controls are shown as a solid line with a pair of solid dots every  $\pm 30$  feet. However, this line type is not included in the Legend and it is not labeled on the plans. Filter sock should also be shown along the southern limit of work and stabilized construction entrances should be shown on the plans.
8. Test hole logs are included in the Stormwater Management Report. Locations of the test holes should be shown on the plans.
9. Wetland buffer zones should be more clearly shown on the plans (they are very light and hard to see).
10. Page 8 of the Stormwater management Report, Standard #8 indicates that a Stormwater Pollution Prevention Plan (SWPPP) will be submitted to the Town prior to the start of earth disturbing activities. Should the Board approve the project we recommend the submittal of the SWPPP be a condition of approval.
11. A tree protection plan should be submitted in accordance with ZBL §I-1.5.h. The plan should include an inventory of mature trees to be removed and planted to confirm compliance with ZBL §I-1.6.d(ii).

Please give us a call should you have any question.

Very truly yours,

AMORY ENGINEERS, P.C.

By:



Patrick G. Brennan, P.E.

