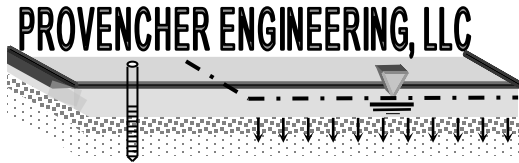


MEMORANDUM



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TO: Ms. Shelley Gorman, Wilkinsonville Water District (WWD)
FROM: Donald A. Provencher, P.E.
DATE: November 22, 2021
REFERENCE: Summary of Project Review Comments and Recommendations
UGPG RE Sutton LLC – Definitive Subdivision Approval Application
Hatchery Road Public Water Supply Well – Sutton, Massachusetts
Project No. PE195.11

Purpose:

The purpose of this memorandum is to provide a summary of our review comments and recommendations regarding the above proposed subdivision and roadway design application, as it relates to the protection of, and potential environmental impacts to the WWD's existing Hatchery Road Public Water Supply Well.

Discussion:

1. The stormwater calculations have been reviewed and were found to be complete and satisfactory. Adequate treatment of stormwater has been provided in the design, as well as more than adequate infiltration recharge. No increase in stormwater runoff peak flows or volumes are proposed.
2. Test pits have been excavated in proposed stormwater detention /infiltration areas, and we have confirmed that adequate offset to groundwater exists at proposed stormwater detention /infiltration areas.
3. The subdivision plans have been reviewed and found to be complete and satisfactory, including erosion control measures. The boundary of the existing Zone II wellhead protection area of the WWD's Hatchery Road well has been depicted on the plans.
4. The Long-Term Pollution Prevention Plan (LTPPP) was reviewed. The post-construction party responsible for implementing and maintaining the post development pollution prevention controls is identified as the applicant, UGPG RE Sutton, LLC. We request clarification as to the responsibility for the removal of snow and deicing practices for the proposed new roadway, in an effort to confirm whether those tasks are to be provided by the Town or by the applicant.
5. The LTPPP calls for the minimization of the amount of sand and deicing chemicals to be applied on the roadway, and recommends deicing chemicals as a pretreatment to snow / ice storm events. We recommend that the planning board condition any future approval such that no crystalized sodium chloride or other crystalized salt be allowed to be applied on the proposed subdivision roadway within roadway areas that drain and discharge into the Zone II of the Hatchery Road Well. This roadway area is specifically between proposed roadway

stations 11+00 and 49+00. We recommend that deicing practices be limited to pre-treatment with a liquid salt brine, and / or sanding of the roadway within this sensitive area.

6. At prior meetings with the applicant, including one on October 26, 2021 at the WWD office, there was discussion regarding the provision of an access and water line easement for the benefit of the WWD, to be located at a mutually agreeable location off of the proposed roadway. The intent is for WWD to access the Hatchery Road Well pump station if it so chooses, and to provide a new 12-inch water main connection from the Hatchery Road Well directly to the proposed 12-inch main in the proposed roadway. This would allow for the existing smaller-sized cross-country water main and the existing unpaved dirt path off of Providence Road to the well to be abandoned, at the discretion of WWD, and will provide for necessary improvements to the water supply capacity and pressure, to the proposed development. Consequently, WWD will require that the applicant provide an easement and install a 12-inch ductile iron water main, between the pump station and the proposed 12-inch water main in the proposed roadway, and requests that the planning board condition any approval to require the same.
7. We recommend that the planning board condition any approval to require the applicant to provide the future collection of groundwater samples periodically, to determine any water quality impacts in the future. We recommend to install one MW near the location of TP-210, but adjacent to and closer to the proposed fence at the edge of the proposed stormwater management area #3; and another MW between proposed headwall HW-5B and proposed stormwater management area #2.
8. We recommend that the planning board condition any future approval to ban the application of fertilizer to the east of the proposed roadway, within the Zone II well head protection area. This is specifically between proposed roadway stations 12+50 and 37+00.
9. We recommend that the planning board require the applicant to provide an Environmental Site Assessment report regarding the existence and history of releases, or threat of release of oil or hazardous waste on the property, and if any, to require an assessment of migration and threat potential to the Hatchery Road well.
10. We recommend that the planning board condition any future approval to require the applicant to paint, and maintain "Do Not Dump" labels on the pavement adjacent to all stormwater catch basins that drain to the Zone II. This includes a total of 23 catch basins (CB-200 through CB-210, and CB-300 through CB-311).

Please feel free to respond with any questions or comments. We recommend that we be provided with future opportunities to review and comment on future site plan design submissions as the individual lots are proposed to be developed.