

FRASER POLYENGINEERING SERVICES
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MEMORANDUM

DATE: August 22, 2022

TO: Cheryl Doble
Tisbury Planning Board
P. O. Box 602
Vineyard Haven, MA 02568

FROM: Kurt A. Fraser P.E. - President - Fraser Polyengineering Services (FPES) *KAF*
Keith A. Coleman, P.E. Senior Civil Engineer (FPES)

SUBJECT: 75 Main Street, Tisbury – Stormwater Management System Review

We have reviewed the information submitted on July 20, 2022, by Sam Dunn for the proposed Lyon's Taqueria site and offer the following comments:

The design approach and values utilized for the calculations are appropriate for this site. We were expecting a more detailed plan providing dimensions and pipe sizes as well as slopes. Since most of the stormwater facilities have already been installed, we request that an as-built plan be provided for the Town to have a permanent record of the stormwater features of the site.

The photos provided of portions of the stormwater system being installed are helpful, however an as-built plan would be a record that will be useful and needed for future location of the subsurface features of the overall system.

The grading plan provided is also helpful, however clear detailed contours that show how the runoff is directed into the various subsurface components are necessary. Runoff that is to be collected from building roofs and conveyed from downspouts and subsurface piping to the various subsurface systems should be indicated on the plan as such.

Separate details of the subsurface installations would provide needed information to the Town and others that may need future access to these features, eliminating the need to investigate the size and shape of each installation.

Building B, which has not been constructed yet, and Building C, do not contain any gutters or downspouts to capture runoff during a storm event. It is our recommendation that gutters, and downspouts be added to both these properties, and be connected to the retention pond underneath the deck of the Taqueria. If this is not feasible, then a separate leaching pit/drainage well should be installed on site to accommodate these structures. Calculations should also be performed to verify that the installation is adequate to manage the proposed runoff.

Best Regards,

Kurt A. Fraser P.E.

Kurt A. Fraser

President - FPES

Keith Coleman P.E.

Senior Civil Engineer - FPES