

FRASER POLYENGINEERING SERVICES  
TRAFFIC, TRANSPORTATION, CIVIL SITE, AND  
SURVEYING ENGINEERING SERVICES  
236 Huntington Avenue – Suite 404 Boston, MA. 02115  
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Email: [kurt@fraseres.com](mailto:kurt@fraseres.com)

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## MEMORANDUM

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**DATE:** October 3, 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

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As stated in prior memos submitted to the Planning Board, we had expected a more detailed plan from the proponent showing pertinent information that will assist in our stormwater management system review. The plans received to date lack specificity, including details that show the dimensions of each particular stormwater management system. The following additional information is needed to assist the stormwater peer review process:

- a. Trench drain detail with sump if provided.
- b. Drywell details showing frames and grate/covers. Rim, and invert elevations of the drainage structures as well as sump depth.
- c. Dimensions for leaching area under deck, showing length, width, and depth.
- d. Label pipe length, and sizes on the plan.
- e. Dimensions of stone surrounding leaching pits.
- f. Details of all stormwater control components.
- g. Location tie dimensions of all stormwater control components.

Please feel free to contact us with any questions.

Best Regards,

*Kurt A. Fraser*

Kurt A. Fraser P.E.

Keith Coleman P.E.

President - FPES

Senior Civil Engineer – FPES

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**MEMORANDUM**

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**DATE:** November 1, 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

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Plan details, and additional (revised) calculations have been provided in response to our requests for more specific information. We have reviewed this additional information and discussed other concerns with the proponent's engineer, Casey Decker, of Martha's Vineyard Engineering & Design. We feel the engineer has adequately addressed our initial request for more detail and satisfied other concerns we had.

Given the sites underlying soil conditions we feel the design method of utilizing the naturally excellent permeability of these soils is an appropriate, and functional approach to controlling the stormwater runoff on the overall site.

We do however wish to inform the Town that if the groundwater table becomes unusually high this could diminish the effectiveness, and function of the stormwater management systems. The engineer has stated that the groundwater table is at approximately elevation 1.0. The systems designed are mostly above this elevation. The leaching pits, and drainage trenches have bottom elevations at or below this elevation. These structures will be somewhat limited due to the lower portion being constructed in the saturated soil.

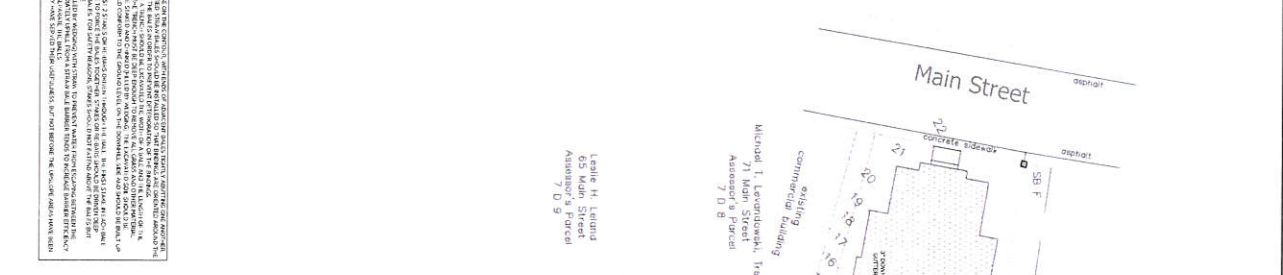
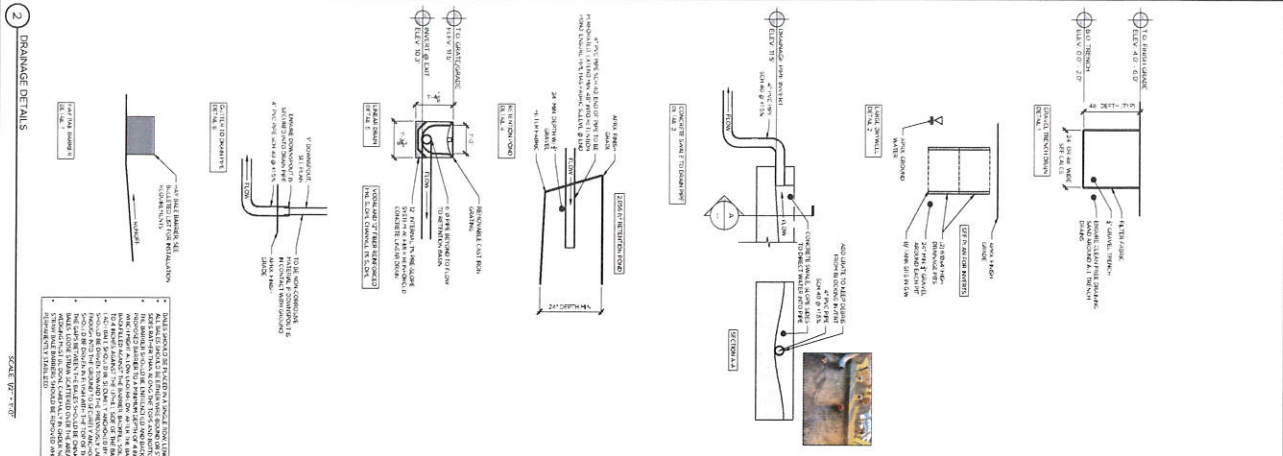
Please feel free to contact us with any additional questions that you may have.

Sincerely,

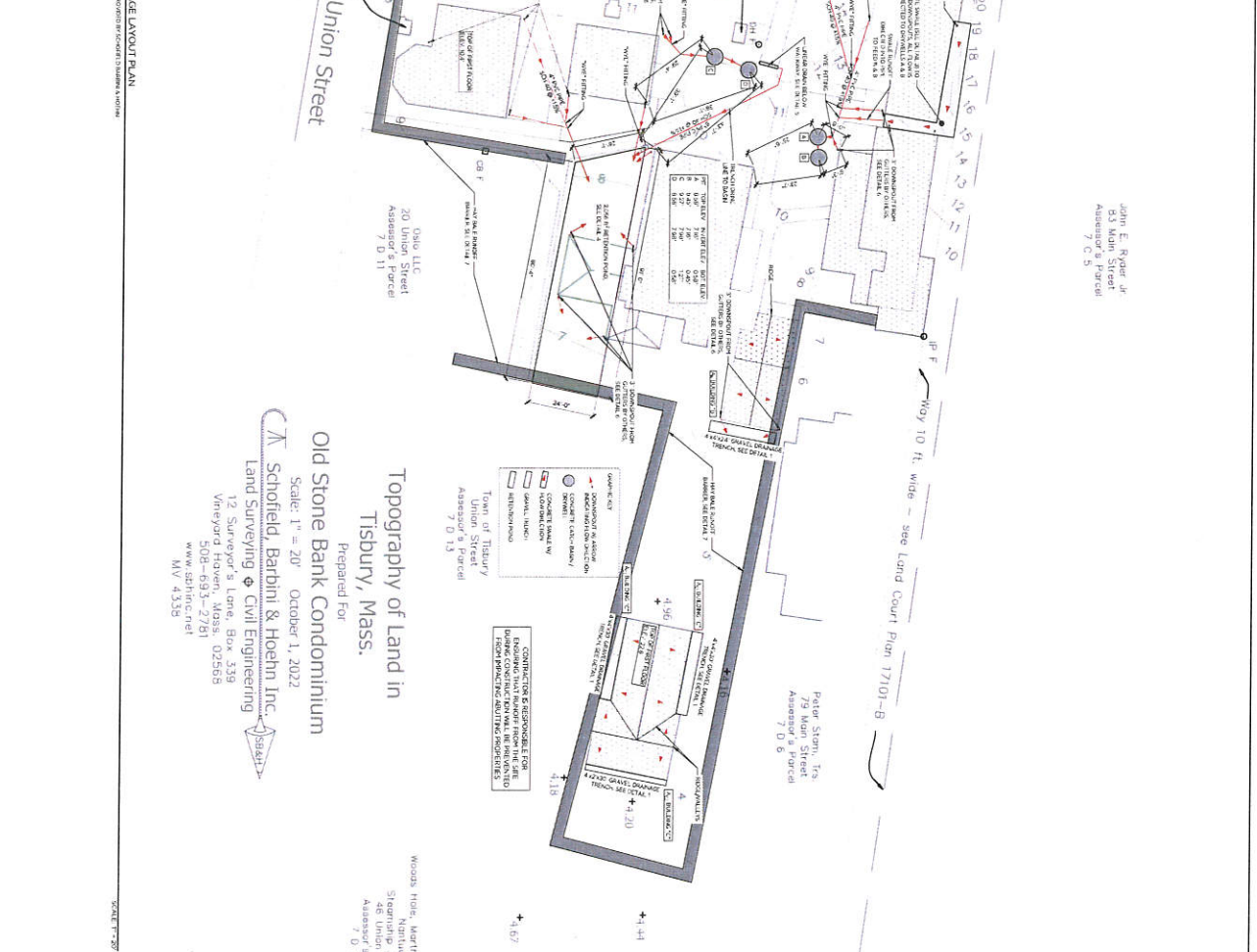
Kurt A. Fraser P.E.

*Kurt A. Fraser*

President - FPES



1 DRAINAGE LAYOUT PLAN  
 SCALE: 1" = 20'



2 DRAINAGE DETAILS  
 SCALE: 1" = 20'

OLD STONE BANK CONDOS  
 75 MAIN ST & ADJACENT SITES  
 VINEYARD HAVEN, MA

DATE: 01 NOV 2022

PROJECT: DRAINAGE LAYOUT PLAN

SCALE: SEE PLANS

21173

CONTRACT NO. 21173

ISSUED FOR: MARTHA'S VINEYARD ENGINEERING & DESIGN  
 79 BEACH ROAD, VINEYARD HAVEN, MA 02566  
 774.563.6535 INFO@MVENGINEERINGDESIGN

DATE	DRAWN	CHECK	TOA
10.17.22	CHD	CHD	TOA
10.18.22	CHD	TOA	TOA
10.19.22	CHD	TOA	TOA
10.24.22	CHD	TOA	TOA
10.24.22	CHD	TOA	TOA
11.01.22	CHD	TOA	TOA