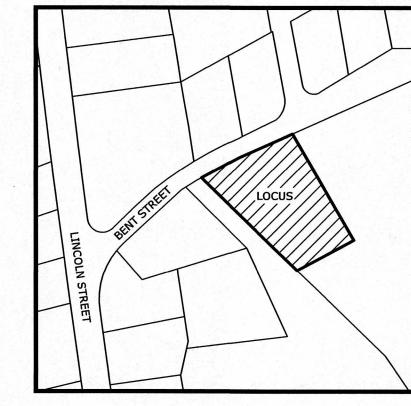


	SCHEDULE	OF TRENCH	I ELEVATION	IS
CHAMBER MODEL	TRENCH#	4" INV.BEGIN	CHAMBER BOTTOM ELEV.	*CHAMBER TOP ELEV.
	1	300.60	299.93	300.93
QUICK 4	2	299.43	298.76	299.76
STANDARD	3	298.26	297.59	298.59
8" INVERT	4	297.09	296.42	297.42
	5	295.92	295.25	296.25

* CHAMBER TOP ELEVATION IS BREAKOUT ELEVATION FOR THE CHAMBER ROW



LOCUS MAP Scale 1" = 200' from Mass Mapper data layers to be considered approximate

REQUIRED LEACHING AREA CALCULATION:

Soil class: Percolation rate: 50 min/inch Effluent loading: 0.20 gpd/s.f. Required leaching area: 40 gpd = 2,200 s.f. 0.20 gpd/s.f.

Effective Leaching Area = * 6.96 s.f./ft of infiltrator *From Approval for General Use - Quick 4 trench configuration

Infiltrators required = 2,200 s.f. = 80 units (6.69 s.f./ft.)(4 ft/unit)

Use 5 rows of chambers 16 infiltrator units each

Total leaching area provided:

[(80 units * 4 ft/unit) + (10 unit of end caps @ 0.97')] * (6.96 ft²/ft) = 2,294 s.f.

			SOIL TEST	DATA		
		DEE	P HOLE OBSE	RVATION LO	G	
PERFORMED BY: THOMAS JOHNSON, SE#1141				DATE: NOVE	DATE: NOVEMBER 22, 2019	
WITNESS	BY: WADE	SAUCIER, HE	EALTH AGENT			
TEST HOLE	DEPTH (IN.)	SOIL HORIZON	SOIL TEXTURE (USDA)	SOIL COLOR (MUNSELL)	SOIL MOTTLING	
DH-1	0-1	0		10YR 3/1		
	1-5	Α	F. SANDY LOAM	10YR 3/1		
	5-32	В	SANDY LOAM	10YR 5/6		
	32-120+	С	SANDY LOAM	10YR 5/1	MOTTLES @ 34" 7.5YR 5/6	
DH-2	0-1	0		10YR 3/1		
	1-5	Α	F. SANDY LOAM	10YR 3/1		
	5-31	В	SANDY LOAM	10YR 5/6		
	31-127+	C	SANDYLOAM	10VR 5/1	MOTTLES @ 32" 7 5VR 5/6	

	31-127+	С	SANDY LOAM	10YR 5/1	MOTTL	ES @ 32" 7	'.5YR 5/6
HIGH GROUNDWATER DETERMINATION		PERC TEST DATA					
N/A	STANDING WATER			DATE	11/22/19		
32"	MOTTLES				PERC#	PT-1	PT-2
115"	WEEPING WATER		OBS.	HOLE#	DH-1	DH-2	
N/A	GROUNDWATER ADJUSTMENT		DEPTH O	F PERC	38"	33"	
-2.67'	GROUNDW	ATER FOR	RDESIGN	PER	C RATE	23 MPI	41 MPI

- All elevations refer to NAVD 88. See plan for benchmark locations.
- All construction shall conform to 310 CMR 15.00, Title 5.
- This plan does not warrant or imply any subsurface soil conditions other than those observed at the immediate test pit locations, If unsuitable material is encountered, all construction shall cease, and the design engineer shall be contacted immediately
- Septic Tank and Distribution Box shall be set level and true to grade on a mechanically compacted stable base of 6" of 3/4" stone. Areas disturbed during construction shall be stabilized to minimize erosion and control sedimentation. The area over the system shall be graded to a minimum of 2% slope
- 6. This plan shall not be used for the reproduction of property lines, nor shall it be used as a mortgage plot plan or title survey. Conformance to local bylaws shall be
- For proper performance, the septic tank should be pumped on an as needed basis, but in no event shall the septic tank be pumped greater than every two years.
- The system must be inspected by the Board of Health or its agent and be certified by the design engineer.
- 11. See 310 CMR 15.255 for fill specifications. See 310 CMR 15.247 for aggregate specifications.
- 13. All trenches for utilities to be backfilled and compacted with granular materials free of rocks larger than 2".
- 14. All underground utility locations shown are based on field evidence and records provided to Land Planning, Inc.. These locations should be considered approximate. Other
- utilities may exist which are not evident or for which record information was not found. The contractor must contact all utility companies and "Dig Safe" (888-DIG-SAFE)
- before excavation begins. We assume no responsibility for damages incurred as a result of utilities omitted or inaccurately shown. 15. It is the responsibility of the contractor to review all of the drawings and specifications associated with this project work and project scope prior to the initiation of
- project engineer of record in writing prior to the start of construction. Failure by the contractor to notify the project engineer shall constitute acceptance of full responsibility by the contractor to complete the scope of work as defined by the drawings and in full conformance with local regulations and codes.
- 16. Contractor is responsible for all excavation to be performed in accordance with current O.S.H.A. standards, as well as additional provisions to assure stability of contiguous
- 17. Construction of permanent structures upon the disposal system or the reserve area is prohibited.
- 18. All system components shall be marked with magnetic marking tape or a comparable means in order to locate them once buried
- 2. All interior plumbing, with the exception of water filtration, softening and conditioning systems, backwash or byproducts of from such, shall discharge to the proposed
- All wetlands as defined by the Wetlands Protection Act are located within 100 feet.
- The proposed septic system is not located within a Zone II Approved Wellhead Protection Area.
- All known septic systems within 150' of the proposed well have been shown on the plan.
- This lot is not located within a special flood hazard zone per FEMA FIRMette Map #25021C0144E dated 7/7/2013
- 9. A sign constructed of durable material shall be placed at the sewer clean out in the basement to indicate to the owner that the septic tank is as-built as well as basic information relative to the maintenance of the system. Also, the as built plan shall show tie distances to the effluent tee to two permanent markers. both the sign and
- Contractor to install at least one required inspection port in the SAS.
- 12. There are no public water supplies within 400' of this proposed septic
- Leaching area location to be staked in the field by Land Planning, Inc. prior to construction
- Land Planning, Inc. to be contacted to perform a bottom inspection once leaching area and 5' over dig (as applicable) are excavated. Any changes to the layout of the septic design must be brought to the attention of Land Planning, Inc. for approval.
 - After all components are installed and before the system is back filled Land Planning, Inc. is to be contacted to perform a septic system asbuilt to verify the system
- Once system is backfilled and final grading is complete Land Planning, Inc. is to be contacted to perform a final grading asbuilt.
- Installer assumes full responsibility for the septic system if these 'Designer Requirements' are not complied with.

On-Site Sewage Disposal System

New Construction with 4 bedrooms

Located at Bent Street (Lot 1)

Franklin, MA Assessors Map 215 Parcel 22 Deed Book 39544 Page 389 Plan Book 701 Page 94

> Owned By Stephen J. Kelleher

Applicant Stephen J. Kelleher 3 Briarwood Road Norfolk, MA 02056

Scale: 1"=20' Date: October 7, 2022

ZONING DISTRICT

SIDE YARD:

REAR YARD:

RURAL RESIDENTIAL 1 (RRI) AREA: 40,000 S.F. FRONTAGE: 200 FT. FRONT YARD: 40 FT.

40 FT.

40 FT.



REVISIONS Date Description

	and the second	
Field By:	NH/PP	9/2022
Designed By:	SB	10/2022
Drawn By:	SB	10/2022
Checked By:	NGH	10/2022



Land Planning, Inc.

Civil Engineers • Land Surveyors **Environmental Consultants**

> Bellingham 167 Hartord Ave. Bellingham, MA 02019

508-966-4130 **North Grafton**

214 Worcester St. N. Grafton, MA 01536 508-839-9526

Hanson 1115 Main Street Hanson, MA 02341 781-294-4144

www.landplanninginc.com Sheet No. Oct. 7, 2022

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