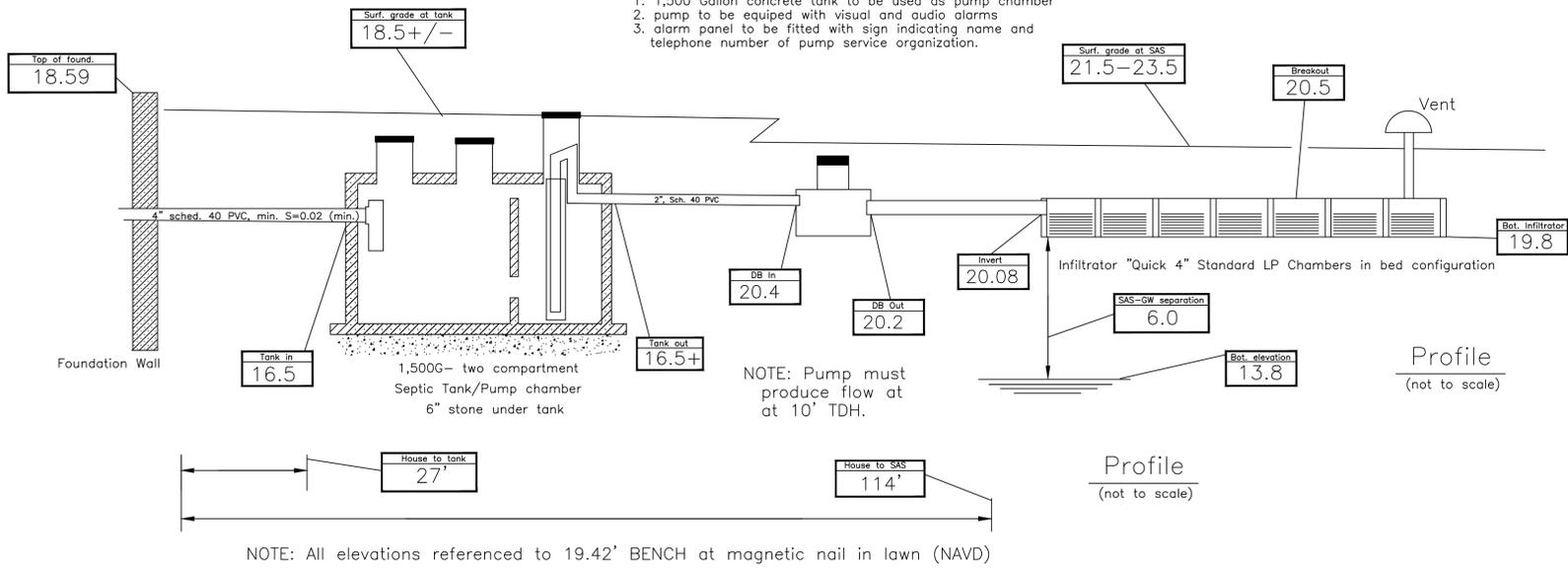


Pump Chamber Notes:

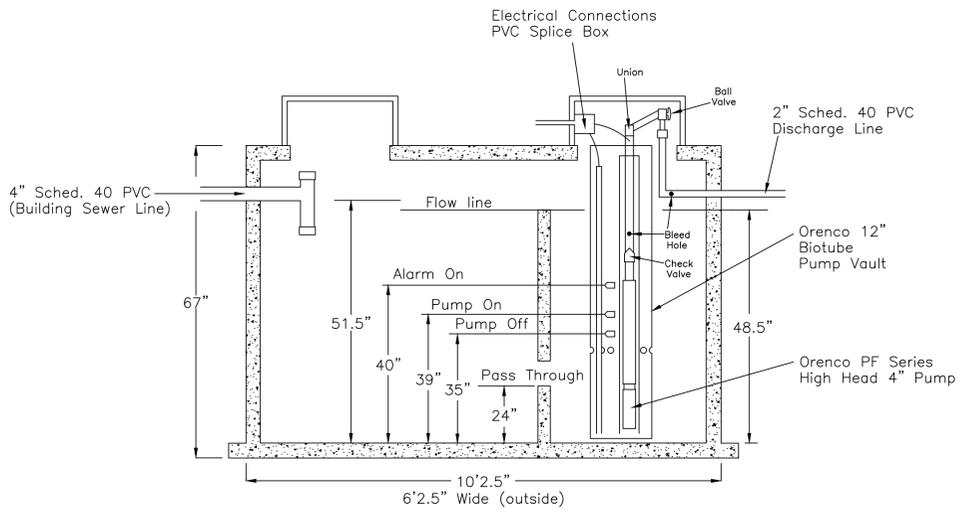
- 1,500 Gallon concrete tank to be used as pump chamber
- pump to be equipped with visual and audio alarms
- alarm panel to be fitted with sign indicating name and telephone number of pump service organization.



Soil Logs

Observation Hole #1					
Elevation (Feet)	Perk Rate = <2 mpi @19' (C1 horizon)				
Depth (inches)	Soil Horizon	Soil Texture	Soil Color	Soil Mottling	
21.1					
20.3	0-10	A	Loamy Sand	10 YR 3/2	None
19.1	10-24	B	Loamy Sand	10 YR 4/6	None
13.9	24-87	C1	M/C Sand	2.5 Y 5/3	None
13.7	87-89	C2	Sandy Loam	2.5 Y 6/3	88"
13.7	89	R			

Observation Hole #2					
Elevation (Feet)	Perk Rate =				
Depth (inches)	Soil Horizon	Soil Texture	Soil Color	Soil Mottling	
21.7					
20.9	0-10	A	Loamy Sand	10 YR 3/2	None
18.4	10-40	C1	Sandy Loam	2.5 Y 6/3	None
13.0	40-104	C2	M/C Sand	2.5 Y 5/3	None
13.0	104	R			



1,500 Gallon two chamber tank (extended base)

Pembroke Concrete Products, Inc.
Pembroke, MA (or approved equal)

I certify that in the fall of 1997 I was approved by the Mass. Department of Environmental Protection as a Soils Evaluator and that the soils analysis contained herein was performed by me consistent with the training, expertise, and experience described in 310 CMR 15.018(2).

I certify that there are no wells known to me, or reported to be within 500 feet of this proposed SAS, other than those shown on this plan. Public water supply wells in the area, location and distance from locus, are shown herein.

Terence McSweeney

Date

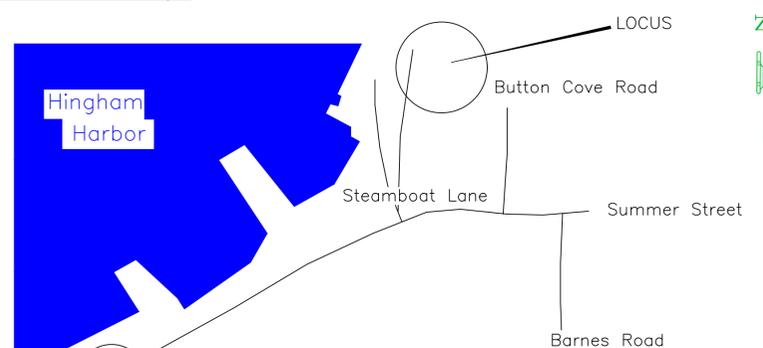
Terence McSweeney, R.S.

Notes:

- On 5/19/2020 soil tests were made, as shown here, by Terence McSweeney, a Massachusetts Department of Environmental Protection (DEP) approved Soils Health Evaluator, with B. Nee observing for the Board of Health. The logs of these tests are as follows, with location as #1 and #2 on this plan.
- All stone to be washed free of iron, fines, and dust. All "structures" to be precast concrete. All pipes to be P.V.C. Schedule 40, laid true to line and grade. All "structures" under pavement to be H-20 loading with cast iron covers and frames, set to grade, on all manholes.
- The existing SAS is to be abandoned and disposed of to the satisfaction of the health authority.
- It is the responsibility of the home owner to advise the site engineer of the location of all house plumbing prior to construction of the system.
- No part of the proposed system shall be buried greater than 3' below the surface of the ground.
- All work to conform to these plans, Title 5 of the Environmental Code (310 CMR 15.00 et. seq.) and supplementary regulations of the Hingham Board of Health.
- House plumbing to be set to the grades specified on this plan, as necessary, with a pipe slope minimum of 0.01.
- All unsuitable material below breakout elevation of 20.5' is to be removed and replaced with material suitable to the health authority, for 5' around SAS. Fill specifications are as follows ("overdig"):
 - No material is larger than 2".
 - Not more than 45% is retained on #4 sieve.
 - For the material which passes the #4 sieve, the following limits apply:

#50 sieve	10 - 100% passing
#100 sieve	0 - 20% passing
#200 sieve	0 - 5% passing
 - Results of sieve analysis submitted to Board of Health for approval prior to installation.
- Property line information as depicted on this plan is to be used for Title V purposes only.

Locus Map



Lot Data:
Deed: 16588/80 - 9/9/1998
Hingham Assessors Map 40/4 - 2.34 acres
Reference Plan:
E.W. Branch, Engineer - 8/20/1979
Plan #677 of 1979, Plymouth RoD

Revisions:

McSweeney Associates, Inc. Environmental Engineering	Proposed Septic System 7 Steamboat Lane Hingham, Massachusetts (Page 1 of 2)	Job Reference: Reardon
	745 Winter Street, Hanson, MA 02341 Thomas F. McSweeney 1894-1977 Brian McSweeney 1923-2015 Terence K. McSweeney 781-826-4571 Colin T. McSweeney 781-570-9381	Scale: As Noted
Date: 6/18/2020		Drawn By: T McS
Checked By: C McS		Date: 6/18/2020