

Pump Chamber Note:

1. 1,500 gallon tank with 48 working days = 31.3 G/Day
2. Pump volume = 100 G (approx)
3. Pumping to pump-off elevation drop = 4' at 31.3 G/Day, $Q = 125$ G
4. $11' = 344$ G (minimum of 350 G required)

Pump Chamber Calculations:

1. 1,500 gallon tank with 48 working days = 31.3 G/Day
2. Pump volume = 100 G (approx)
3. Pumping to pump-off elevation drop = 4' at 31.3 G/Day, $Q = 125$ G
4. $11' = 344$ G (minimum of 350 G required)

Light of Orange: All materials placed below finished standing (2017) and bottom of B horizon (181'). Area #1) must be removed for installation.

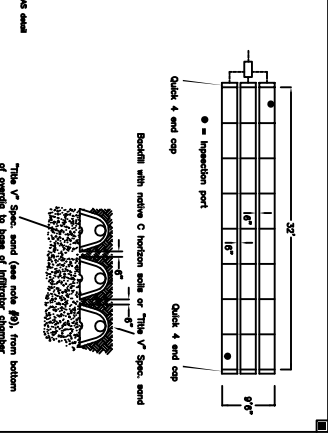
NOTE: Subsequent edge of existing excavation must be lined with 6" minimum 18" D. Excavation and volume are estimated from 100' spacing of station measurements of the final 5' gradient intersection.

Calculations:

1. 1,500 gallon tank
2. 100 G (approx)
3. Pumping to pump-off elevation drop = 4' at 31.3 G/Day, $Q = 125$ G
4. $11' = 344$ G (minimum of 350 G required)

Proposed:

1. 1,500 gallon tank (underground, concrete, extended base)
2. Concrete slab pump tank and double offset pump package
3. Distribution tank
4. 24 inch pipe in best configuration (2 rows of 8 inch each) as illustrated on SDC detail

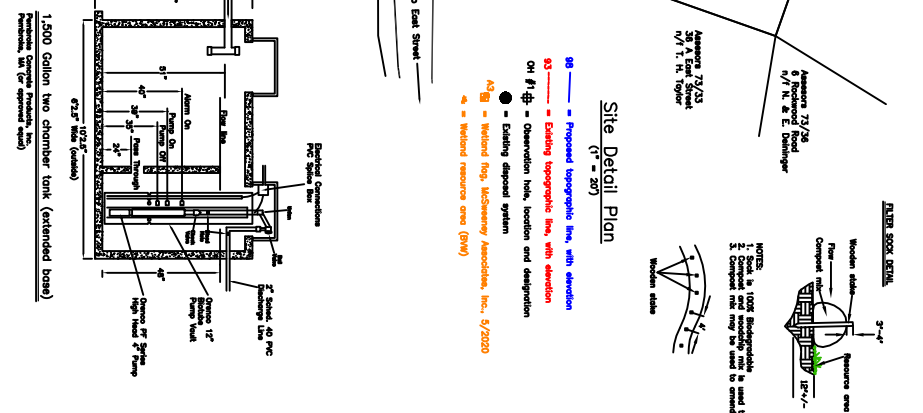
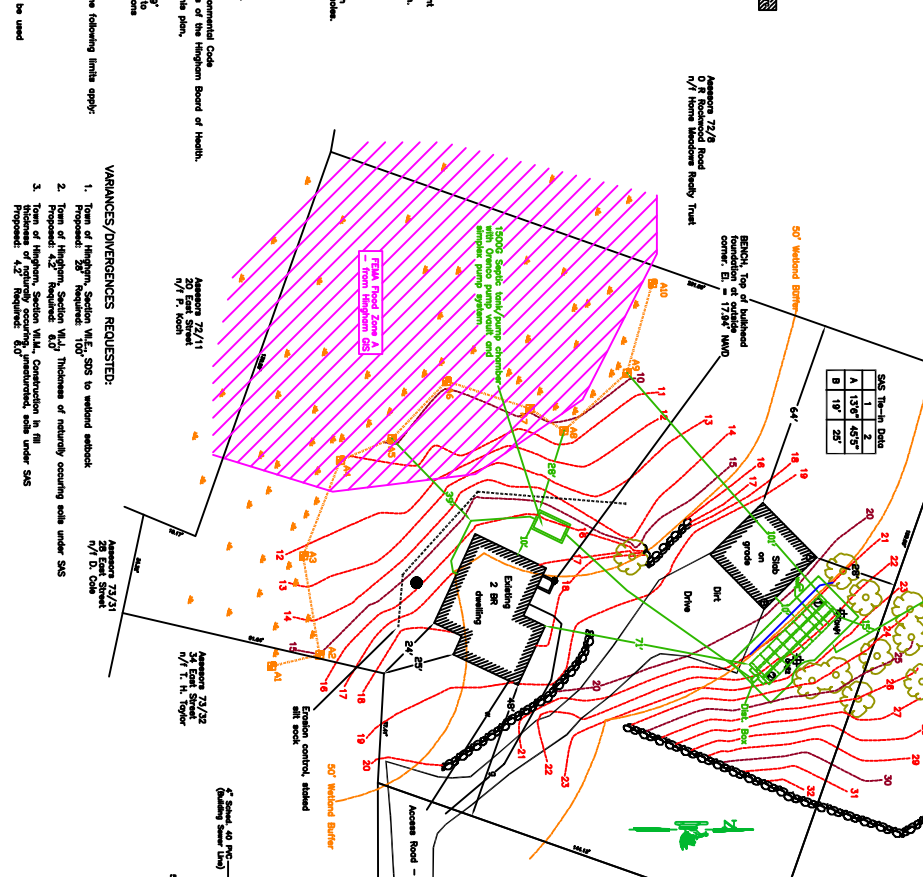


Soil Logs

Depth	Test No.	Comments
22.3	1	1/2\"/>
21.8	4	1/2\"/>
18.1	8	1/2\"/>
13.8	13.5	1/2\"/>
12.5	12.5	1/2\"/>

Notes:

1. On 2/13/2020 soil tests were made, an alarm was raised for the presence of a high concentration of Environmental Protection (EPT) approved Scale on #1 and #2 on this plot.
2. All stones to be washed free of iron, fines, and dirt. All structure under removal to be H-20 loading with cast iron covers and frames, set to grade on all materials.
3. The existing SES is to be abandoned and the health authority, for Standard SDC, fill specifications.
4. It is the responsibility of the house owner to verify the site engineer of the location of all houses plumbing them before the surface of the ground.
5. All work to conform to these plans, Title 5 of the Environmental Code (310 CMR 15.00 et. seq.) and supplementary regulations of the Health Board of Health.
6. All unexcavated material below finished standing of 2017 to be removed to a depth of 5' below the finished standing of the health authority, for Standard SDC, fill specifications.
7. No more than 40K is to be retained on #4 sieve, the following limits apply:
 - 0 - 20% passing
 - 0 - 20% passing
 - 0 - 20% passing
8. Property line information as indicated on this plan is to be used for the V purposes only.



LOCUS MDP

Address: 100 East Street, East Street, Hampdenham, MA 01042

Proposed Septic System

36 East Street, Hampdenham, Massachusetts

Revisions:

Revised	By	Date

Proposed Septic System

36 East Street, Hampdenham, Massachusetts

Scale: As Noted

Date: 5/15/2020

Drawn By: T MAS

Checked By: C MAS

MES Environmental Engineering

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