

LOCATION PLAN

SCALE 1" = 3000'

Received and approved
for the Ulster County Health Department

4/5/19

by David Smith, MHS 4/5/19
Public Health Director

Recommended for Approval

David Smith
Signature

SEPTIC SYSTEM PLANS

FOR

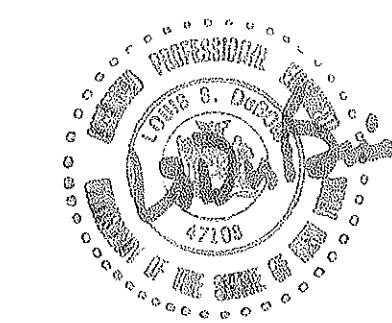
TOP SEED LANDSCAPE & DESIGN

1939 ROUTE 9W
MILTON, NEW YORK

103.1-1-18

TOWN OF MARLBOROUGH

ULSTER COUNTY



PROPOSED SEPTIC SYSTEM TOP SEED LANDSCAPE & DESIGN		SCALE AS SPECIFIED					
1939 ROUTE 9W MILTON, NEW YORK		DRAWN BY <u>LSD</u>					
TN OF MARLBORO 103.1-1-18		APPROVED <u>LSD</u>					
<table border="1"> <tr> <td>LOUIS S. DUBOIS, P.E. 116 VINEYARD AVENUE HIGHLAND, NEW YORK (845) 691-2471 OFFICE (845) 691-6515 FAX (845) 224-7102 CELL louisdubois@optimum.net</td> </tr> <tr> <td>DATE 3/28/2019</td> <td>REVISED</td> </tr> <tr> <td>DRAWING</td> <td>TITLE</td> </tr> </table>			LOUIS S. DUBOIS, P.E. 116 VINEYARD AVENUE HIGHLAND, NEW YORK (845) 691-2471 OFFICE (845) 691-6515 FAX (845) 224-7102 CELL louisdubois@optimum.net	DATE 3/28/2019	REVISED	DRAWING	TITLE
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DATE 3/28/2019	REVISED						
DRAWING	TITLE						

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ENGINEERING DESIGN REPORT

PROPOSED USE IS A DUPLEX COMMERCIAL
BUILDING WITH A SHOP/RETAIL BUSINESS

EACH SIDE WILL HAVE ONE BATHROOM FOR EMPLOYEES. IT IS ESTIMATED THAT THERE WILL BE A MAXIMUM OF THREE EMPLOYEES IN EACH UNIT.

6 Employees @ 15 gpd(80% low flow) = 72 gpd say 100 gpd

$$100 \text{ gpd} / 0.9 \text{ gpd/sf} = 111 \text{ SF} \quad 111 \text{ sf} / 2 \text{ ft width} = 56 \text{ LF lateral}$$

Design: 2 laterals @ 35 LF 1000 gal septic tank

PERCOLATION TEST RESULT

3/26/2017

HOLE	DEPTH	SOIL TYPE	SOAKED	TEST RESULT
PH 1	12"	TOPSOIL~GRAVEL LOAM	YES	STAB @ 8 MI
PH 2	12"	TOPSOIL~GRAVEL LOAM	YES	STAB @ 9 MI

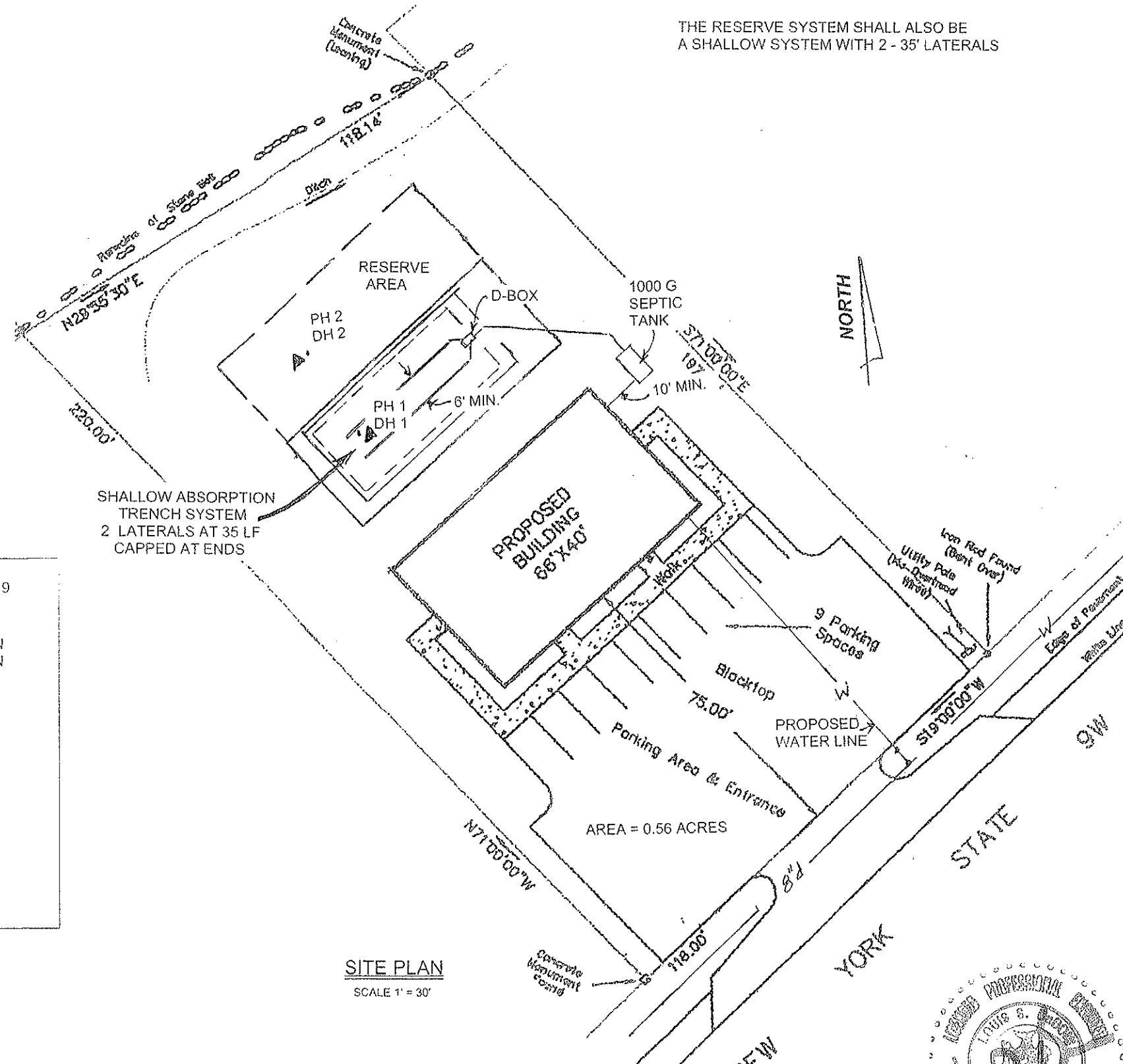
DEEP HOLE ANALYSIS

2/12/2024

DH 1	5" TOPSOIL 5" TO 36" GRAVEL LOAM 36" TO 46" MOTTLED CLAY	NO BEDROCK WATER AT 46" MOTTLING AT 36"
DH 2	5" TOPSOIL 5" TO 36" GRAVEL LOAM	NO BEDROCK WATER AT 36" NO MOTTLING

**AN ENGINEER'S CONSTRUCTION CERTIFICATE
IS TO BE SUBMITTED TO THE ULSTER COUNT
HEALTH DEPARTMENT PRIOR TO FINAL
CONSTRUCTION APPROVAL**

BASED UPON THE SOIL INFORMATION, A SHALLOW TRENCH SYSTEM IS DESIGNED BASED UPON AN APPLICATION RATE OF 0.90 GALLON PER DAY PER SQ. FOOT



THE RESERVE SYSTEM SHALL ALSO BE
A SHALLOW SYSTEM WITH 2 - 35' LATERALS

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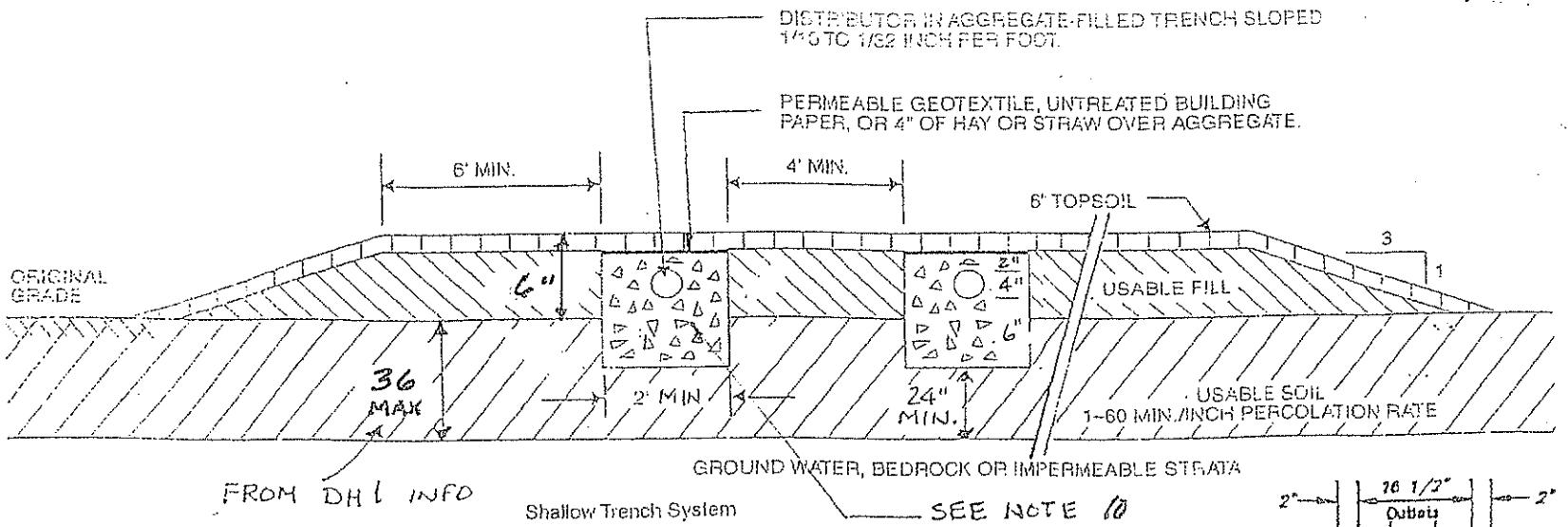
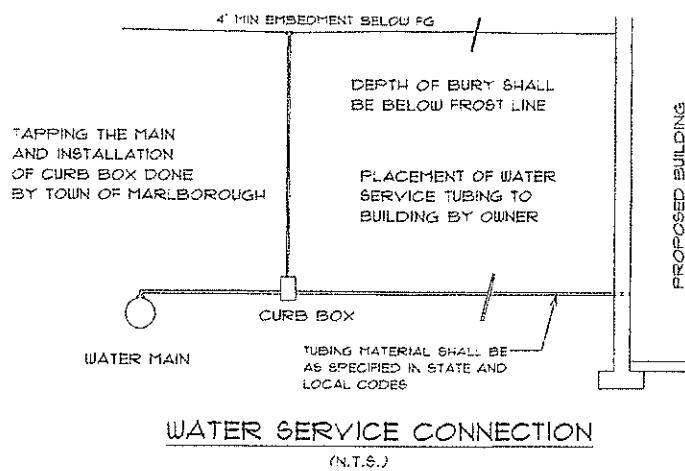
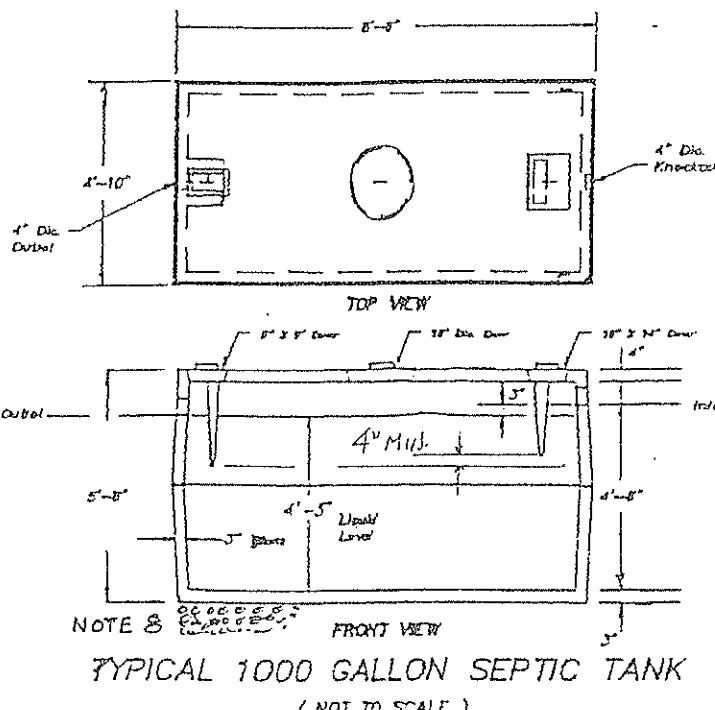
PROPOSED SEPTIC SYSTEM TOP SEED LANDSCAPE & DESIGN 1939 ROUTE 9W MILTON, NEW YORK TN OF MARLBORO 103.1-1-18		LOUIS S. DUBOIS, P.E. 116 VINEYARD AVENUE HIGHLAND, NEW YORK (845) 691-2247 OFFICE (845) 691-6515 FAX (845) 224-7102 CELL louisdubois@optimum.net	
SCALE DRAWN BY APPROVED	AS SPECIFIED LSD LSD	DATE REVISED DRAWING	3/28/2019 REvised SITE PLAN

SEE FIRST PAGE FOR APPROVAL

GENERAL NOTES

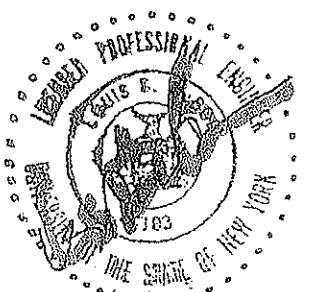
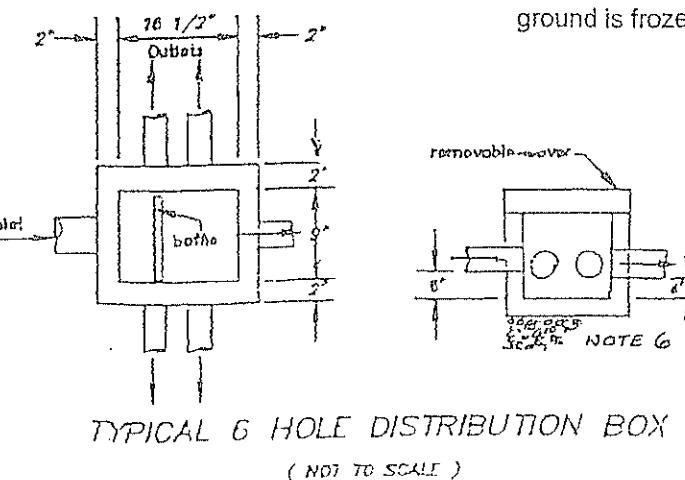
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LOUIS S. DUBOIS, P.E.	DATE	3/28/2019
116 VINEYARD AVENUE	REVISED	
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SCALE AS SPECIFIED	DRAWN BY	APPROVED
LSD	LSD	LSD
PROPOSED SEPTIC SYSTEM TOP SEED LANDSCAPE & DESIGN 1939 ROUTE 9W MILTON, NEW YORK TN OF MARLBORO 103.1-1-18		



NOTES:

- BOTTOM OF ALL TRENCHES SHALL NOT BE ABOVE ORIGINAL USABLE SOIL AND TRENCHES SHOULD BE AT LEAST 6" BELOW ORIGINAL GRADE.
- USABLE FILL SHOULD HAVE A PERCOLATION RATE SIMILAR TO BUT NOT FASTER THAN THE USABLE SOIL PERCOLATION RATE.
- MAXIMUM DEPTH OF USABLE FILL PLUS SIX INCHES OF TOPSOIL SHALL NOT EXCEED 30 INCHES.
- TRENCH BOTTOMS SHALL BE LEVEL. TRENCHES SHALL BE PARALLEL TO GROUND CONTOURS.
- ON SLOPED SITES, A DIVERSION DITCH SHALL BE CONSTRUCTED UPHILL FROM THE FILL TO PREVENT SURFACE RUNOFF FROM ENTERING THE FILL.
- LEADS SHALL EXTEND AT LEAST SIX FEET BEYOND ENDS OF TRENCHES BEFORE STARTING TOWARD EDGES OF FILL.



SEE FIRST PAGE FOR APPROVAL