

SEPTIC NOTES:

1. B1010a SEPTIC SYSTEM DESIGN CRITERIA:
6 BEDROOM HOUSE, >10 MIN./INCH PERC. RATE = 742.5 S.F. OF EFFECTIVE LEACHING AREA REQUIRED.

MLSS ANALYSIS:

MLSS = HF X FF X PF
= 34(7.5%, 18.0" - 22.0") X
2.25 X 1.0 = 76.5 FEET MIN.

2. LEACHING SYSTEM PROPOSED:
PRIMARY: 1 ROW (GST 6212),
80 LF @ 10.0 S.F. OF EFFECTIVE LEACHING AREA PER LF = 800 S.F. OF EFFECTIVE LEACHING AREA.

RESERVE: 1 ROW (GST 6212),
80 LF @ 10.0 S.F. OF EFFECTIVE LEACHING AREA PER LF = 800 S.F. OF EFFECTIVE LEACHING AREA.

3. HOUSE SEWER FROM FOUNDATION WALL TO SEPTIC TANK TO BE 4" SCHEDULE 40 PVC PIPE WITH APPROVED JOINTS OR EQUAL. MINIMUM SLOPE TO BE 1/4" PER FOOT. ALL PIPES TO BE PROPERLY SEALED WITH POLYETHYLENE GASKET INTO SEPTIC TANK. MINIMUM GRADE TO BE 1/4" PER FOOT (S=.0208).

4. SUBSURFACE SEWAGE DISPOSAL SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH ALL STATE AND LOCAL HEALTH REGULATIONS.

5. SEPTIC SYSTEM AREA PREPARATION SHALL BE PERFORMED BY SEPTIC SYSTEM INSTALLER.

6. SEPTIC SYSTEM SHALL BE INSTALLED BY A CONNECTICUT CERTIFIED INSTALLER PER CONNECTICUT REGULATIONS.

7. SEPTIC TANK IS TO BE WATERTIGHT AND ANCHORED (IF DEEMED NECESSARY) TO PREVENT FLOTATION AND INFILTRATION. SEPTIC TANK IS TWO COMPARTMENT AND OUTLET FILTER PROVIDED. SEPTIC TANK RISER IS REQUIRED WHEN SEPTIC TANK IS >12" BELOW FINAL GRADE.

8. SEPTIC TANK SHALL BE PROVIDED WITH AN OUTLET FILTER.

9. AN AS-BUILT PLAN SHALL BE SUBMITTED BY THE ENGINEER TO THE HEALTH DISTRICT INDICATING THAT THE SYSTEM WAS INSTALLED IN COMPLIANCE WITH THE PLAN OR INDICATING ANY CHANGES IF NECESSARY.

10. SEPTIC SYSTEM MUST BE STAKED BY ENGINEER PRIOR TO INSTALLATION.

11. BENCHMARK IN SEPTIC AREA IDENTIFIED PRIOR TO INSTALL.

21. NON-SELECT FILL SHALL BE CLEAN LOAM OR BETTER, FREE OF ORGANIC MATTER, STUMPS OR BOULDERS.

22. THE SEPTIC AREA SHALL BE STRIPPED OF TOPSOIL AND SCARIFIED WITH A TRACK VEHICLE (NO RUBBER Tired VEHICLES) AND THE CONTRACTOR SHALL HAVE THE SANITARIAN INSPECT THE AREA BEFORE ANY INSTALLATION SHALL TAKE PLACE.

23. SELECT FILL TO BE CLEAN, SANDY GRAVEL LESS THAN 3 IN. IN DIA. MEETING THE FOLLOWING GRADATION CRITERIA:

SIEVE SIZE	MAX. % PASSING
#4	100
#10	100
#40	50
#100	20
#200	5

24. SELECT FILL SHALL BE APPROVED BY THE SANITARIAN.

25. SELECT FILL SHALL EXTEND A MINIMUM OF 5 FEET LATERALLY DOWNGRADIENT ON SLOPED, RESTRICTIVE LAYER LOTS AND 2 FEET FOR ALL OTHER LATERAL EXTENSIONS (UP GRADIENT AND SIDES ON SLOPED RESTRICTIVE LAYER LOTS) BEYOND THE OUTER PERIMETER OF THE LEACHING SYSTEM.

26. FINAL GRADING TO BE COMPLETED IMMEDIATELY AFTER COMPLETION OF AS-BUILT SURVEY.

27. SITE GRADING SHALL NOT EXCEED 2:1 SLOPE.

28. THERE ARE NO WELLS WITHIN 75 FEET OF THE SEPTIC SYSTEM. THERE ARE NO SEPTIC SYSTEMS WITHIN 75 FEET OF THE WELL.

29. SYSTEM NOT DESIGNED FOR GARBAGE GRINDER OR TUBS OVER 100 GALLONS.

30. THERE ARE NO BURIED OIL TANKS PRESENT OR PROPOSED ON SITE.

TP 1
DATE: 10-23-23
DEPTH: 0-6"
SOIL CONDITIONS: TOPSOIL
FILL: 5"-48"
MEDIUM SAND
48"-86"
NO WATER
NO MOTTILING
NO LEDGE
RL @ 58

TP 2
DATE: 10-23-23
DEPTH: 0-5"
SOIL CONDITIONS: TOPSOIL
FILL: 5"-40"
ORGANICS LAYER - ORGANICS
TOPSOIL
FINE SAND
72"-96"
NO WATER
NO MOTTILING
NO LEDGE
RL @ 24
ROOTS @ 50"

TP 3
DATE: 10-23-23
DEPTH: 0-8"
SOIL CONDITIONS: TOPSOIL
FILL: 8"-38"
ORGANICS LAYER - ORGANICS
TOPSOIL
FINE SAND
38"-84"
WATER @ 18"
MOTTILING @ 18"
NO LEDGE
NO RL SPECIFIED

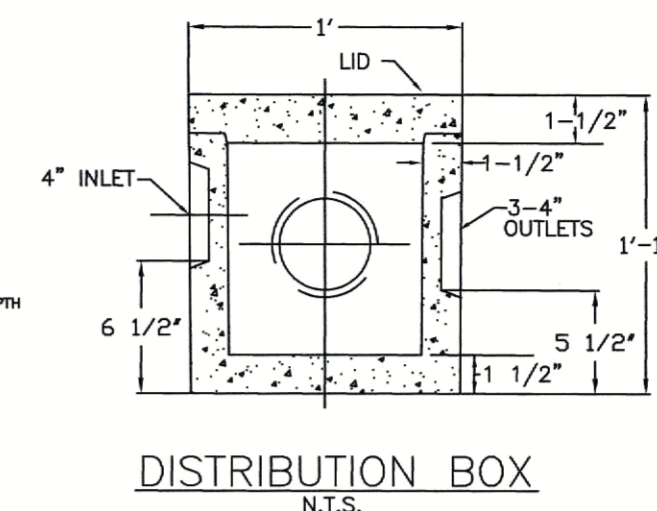
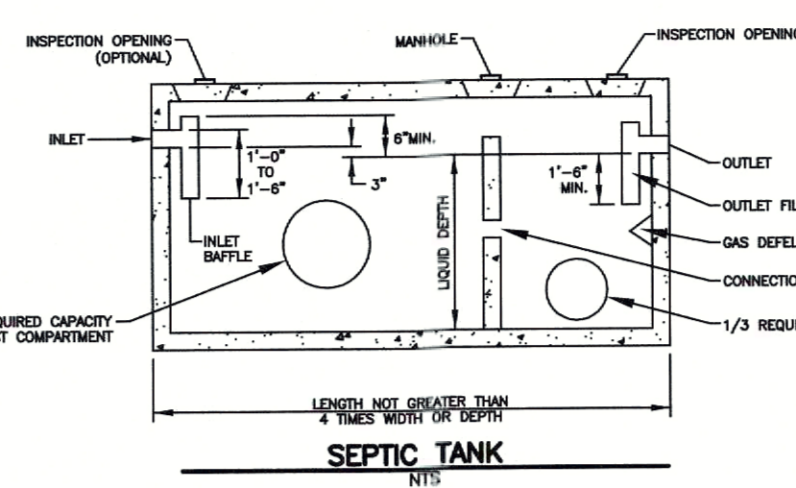
TP 4
DATE: 10-23-23
DEPTH: 0-2"
SOIL CONDITIONS: TOPSOIL
FILL: 12"-62"
ORGANICS LAYER - ORGANICS
LAYER TO BOTTOM
POSSIBLE FINE SAND
62"-105"
WATER @ 15" POSSIBLE SURFACE
NO MOTTILING
NO LEDGE
NO RL SPECIFIED

TP 5
DATE: 10-27-23
DEPTH: 0-4"
SOIL CONDITIONS: TOPSOIL
FILL: 4"-114"
MIX, VERY FINE SAND
FINE SAND, SOME GRAVEL
36"-108"
NO WATER
NO MOTTILING
NO LEDGE
RL > 60"
ROOTS @ 9"

TP 6
DATE: 10-27-23
DEPTH: 0-7"
SOIL CONDITIONS: TOPSOIL
FILL: 7"-36"
VERY FINE SAND
MOTTLED MIX OF VERY FINE SAND / FINE SAND + GRAVEL
NO WATER
NO MOTTILING
NO LEDGE
RL 36"
NO ROOTS

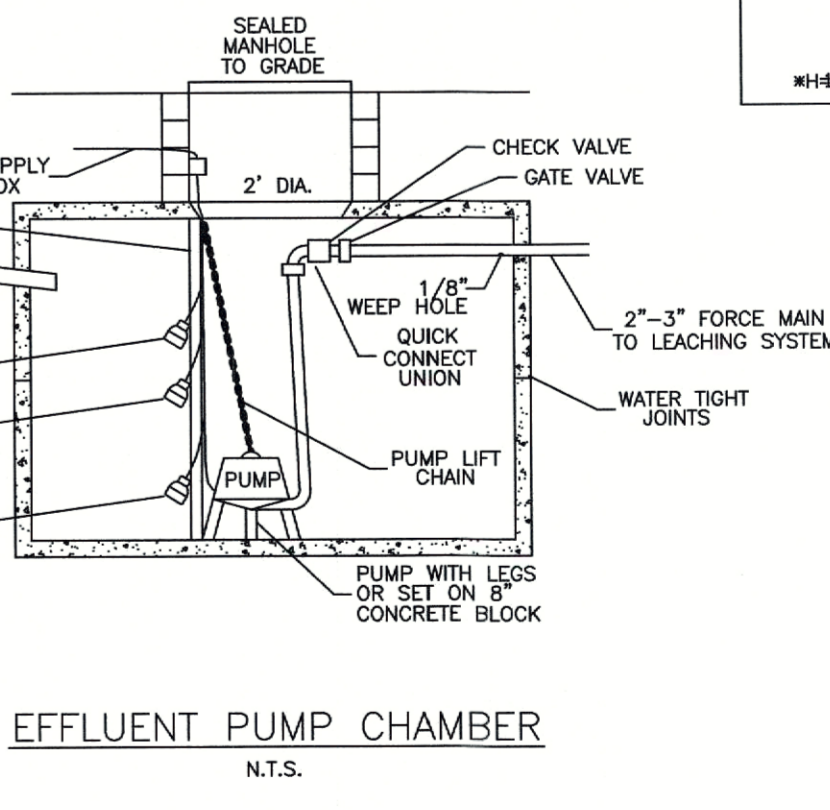
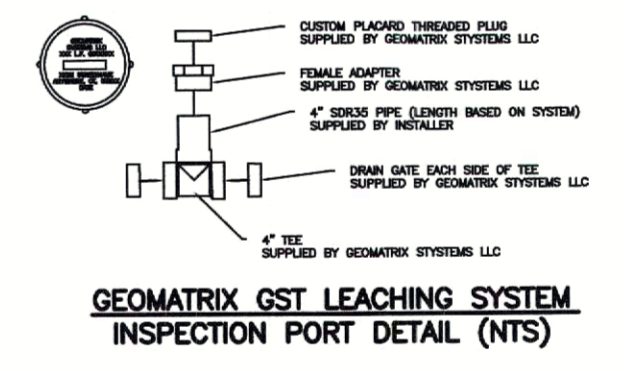
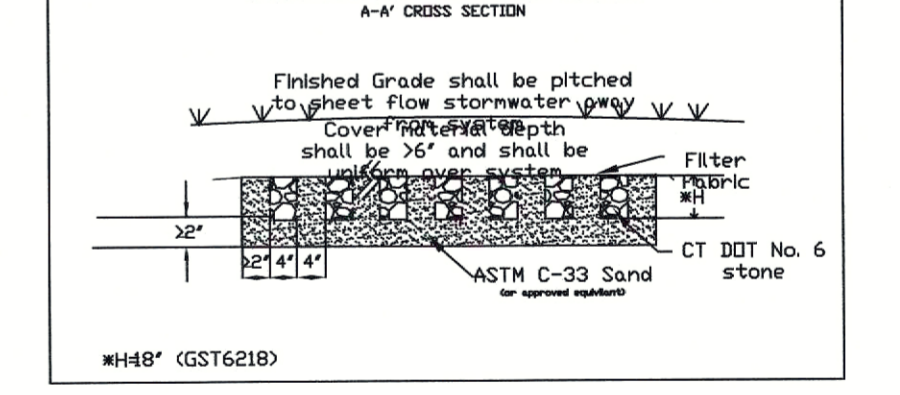
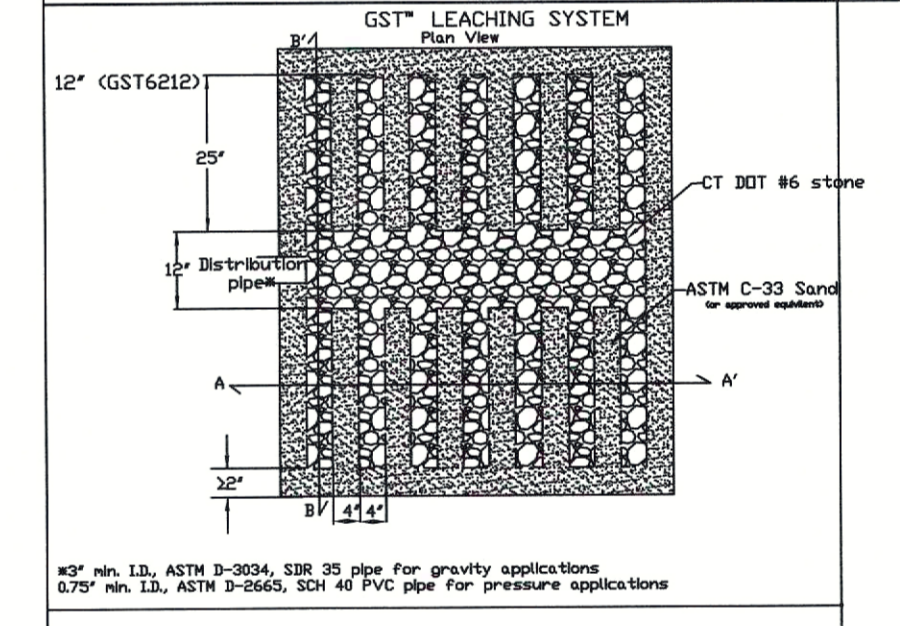
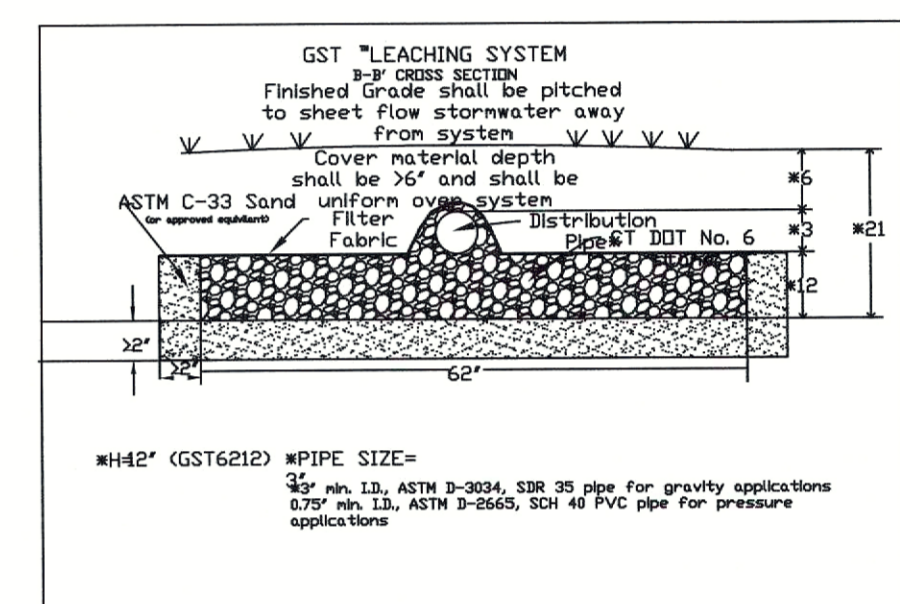
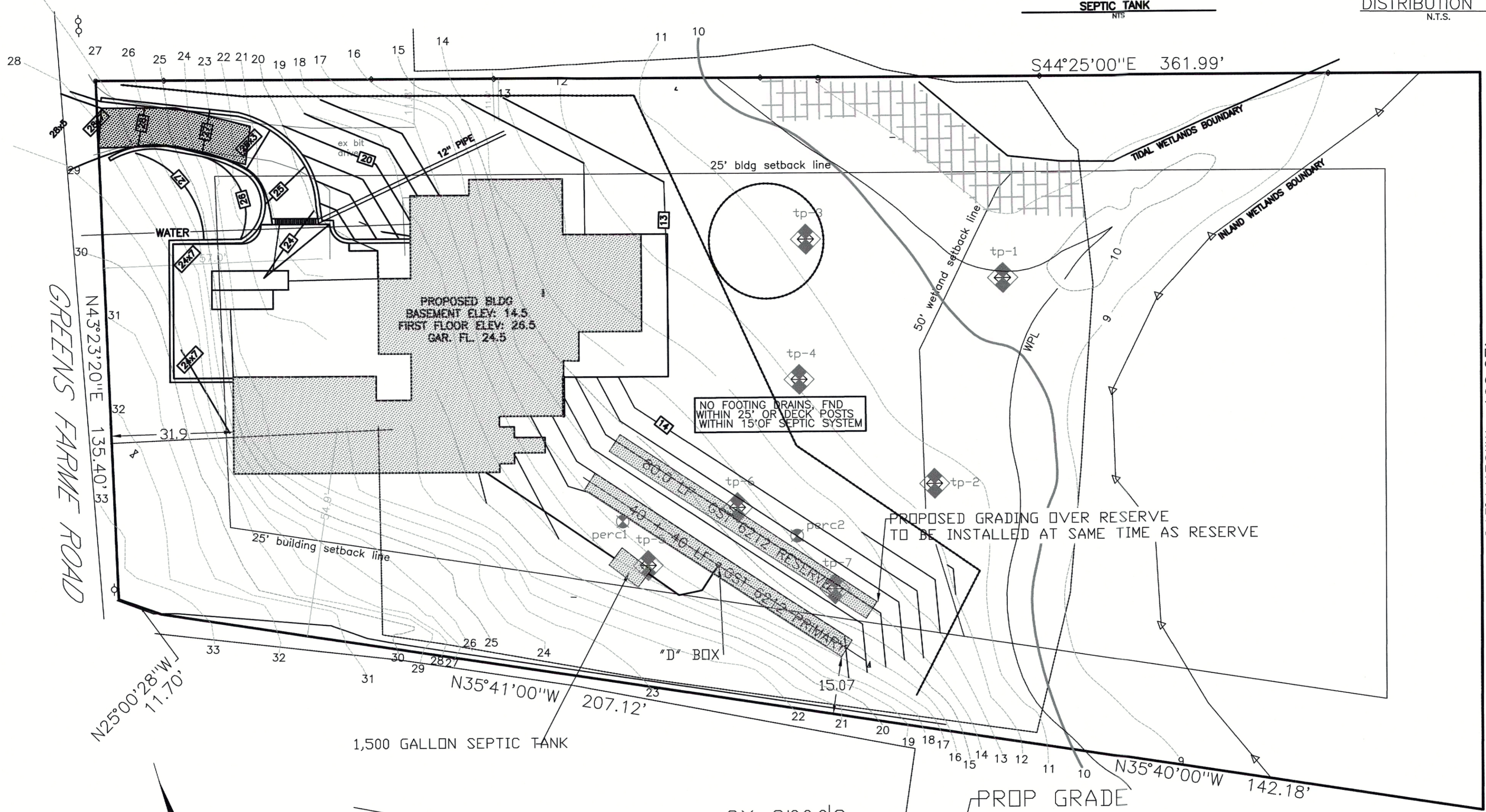
TP 7
DATE: 10-27-23
DEPTH: 0-5"
SOIL CONDITIONS: TOPSOIL
FILL: 5"-120"
VERY FINE SAND
MOTTLED MIX OF VERY FINE SAND / FINE SAND + GRAVEL
NO WATER
NO MOTTILING
NO LEDGE
RL > 60"
ROOTS @ 10"

- SPECIFICATIONS:**
- Concrete 4000 PSI 28 Days
 - Steel Reinforcing as per ASTM Spec. A-15-57I
 - 3 Outlets - 1 Inlet All 4" Dia.



PERC = 1-10.0 MIN./INCH

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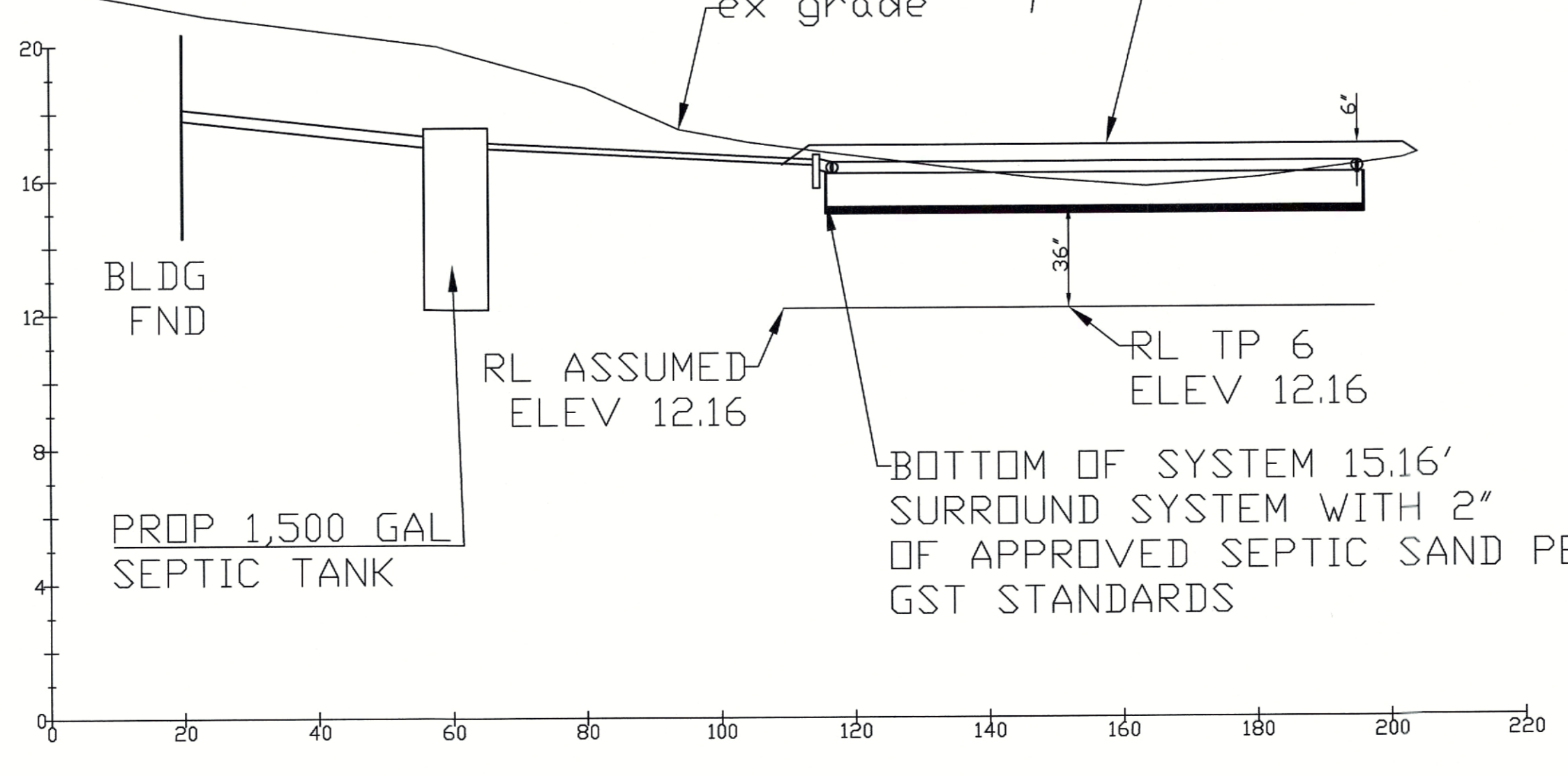


PUMP SPECIFICATIONS

USE BARNES PUMP MODEL SE411, 0.4 HP, 115 V, 92.5 GPM @ 4 FT TDH, DR. EQUAL, SET PUMP CYCLE = 120 GAL. @ APPROX. 1.3 MIN./CYCLE. PUMP TO BE WIRED TO AUDIO AND VISUAL ALARMS IN HOUSE.

INVERT CHART A

FOUNDATION HOUSE	18.10
TANK IN	17.00
TANK OUT	16.76
D-BOX 1 IN	16.24
D-BOX 1 OUT	16.20
ROW 1 IN	16.16
ROW 1 BOTTOM	15.16



CROSS SECTION A-A
HOR. 1" = 20'
VER. 1" = 4'

MAP REFERENCES

- "BOUNDARY & TOPOGRAPHIC SURVEY, ASBUILT SURVEY PREPARED FOR D.S.W. HOMES LLC, 58 RIVER STREET, MILFORD, CONNECTICUT." SCALE 1" = 60', BY PAUL J. STOWELL LAND SURVEYING, 171 WILCOX ROAD, MILFORD, CT 06460.

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

DAVID L. NAFIS, P.E. & L.S. #22924

**384 GREENS FARM RD
105 / 319 / 21
WESTPORT, CONNECTICUT**

PROPERTY OWNER:
ANAND SACHIN
384 GREENS FARMS RD
WESTPORT, CT 06880

SEPTIC DESIGN MAP

**NAFIS & YOUNG
ENGINEERS, INC.**
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Email: nyeng@nafisandyoung.com

DATE: MARCH 3, 2024
REV. 6/3/24
REV. 8/2/24

JOB NO. 2024-180 SHEET NO. 2

FOR ALL REGULATIONS, VISIT WWW.DEP.CT.GOV. GREENS FARM REQUIREMENT: 384 GREENS FARM RD, WESTPORT, CT