

PRINTS NOT VALID WITHOUT ORIGINAL SIGNATURE & SEAL.

LEGEND: -

- APPROX. APPROXIMATE
- B.C. BOTTOM OF CURB
- BOT. BOTTOM
- B.W. BOTTOM OF WALL
- CB CATCH BASIN
- EL. ELEVATION
- F.L. FLOW LINE
- PR. PROPOSED
- LOC. LOCATION
- T.B.R. TO BE REMOVED
- T.C. TOP OF CURB
- T.W. TOP OF WALL
- TYP. TYPICAL
- V.I.F. VERIFY IN FIELD
- YD. YARD DRAIN

- STONEWALL
- RETAINING WALL
- LEDGE
- 90 — EXISTING CONTOUR LINE
- + 90.5 PROPOSED SPOT ELEVATION
- 90 — PROPOSED CONTOUR LINE
- ⊙ TREE
- ⊗ TREE T.B.R.
- XX — SEDIMENT BARRIER
- CF — CONSTRUCTION FENCE
- RL — ROOF LEADER
- FD — FOOTING DRAIN
- ⊙ PERCOLATION TEST
- ⊙ DEEP TEST
- ⊙ INFILTRATION TEST

SURVEYOR'S NOTES:

- This Map has been prepared pursuant to the Regulation of Connecticut State Agencies Section 20-300b-1 through 20-300b-20 and the Standards for Surveys and Maps in the State of Connecticut as adopted by the Connecticut Association of Land Surveyors, Inc. on Sept. 26, 1996.
- This Survey conforms to Class A-2.
- The Type of survey performed is a Limited Property / Boundary Survey, and is intended to be Existing Building Location Survey.
- Boundary determination is based upon a Dependent Resurvey (see MAP REFERENCES and Record Deeds.)
- North Arrow is based on Map Reference # 1.
- This map is NOT VALID without a LIVE SIGNATURE and EMBOSSED SEAL.
- This map is NOT VALID if altered or used by any party other than the one depicted in title block of this map.
- Property Lines Established According to Record Deeds as exist
- Physical Features Such as Stone Walls, Wire Fences, Monuments, Iron Pins or Pipes, Etc. taken under consideration to establish current deed lines.
- Underground Utility, Structure and facility Locations depicted and noted hereon have been compiled, in part, from record mapping supplied by the respective utility companies or government agencies, from parole testimony and from other sources. These Locations must be considered as approximate in nature. Additionally, other such features may exist on the site, the existence of which are unknown to this firm. The size, Location and existence of all such features must be field determined and verified by the appropriate authorities prior to construction. CALL BEFORE YOU DIG 1-800-922-4455.
- Lot served by town sewer system and public water supply.

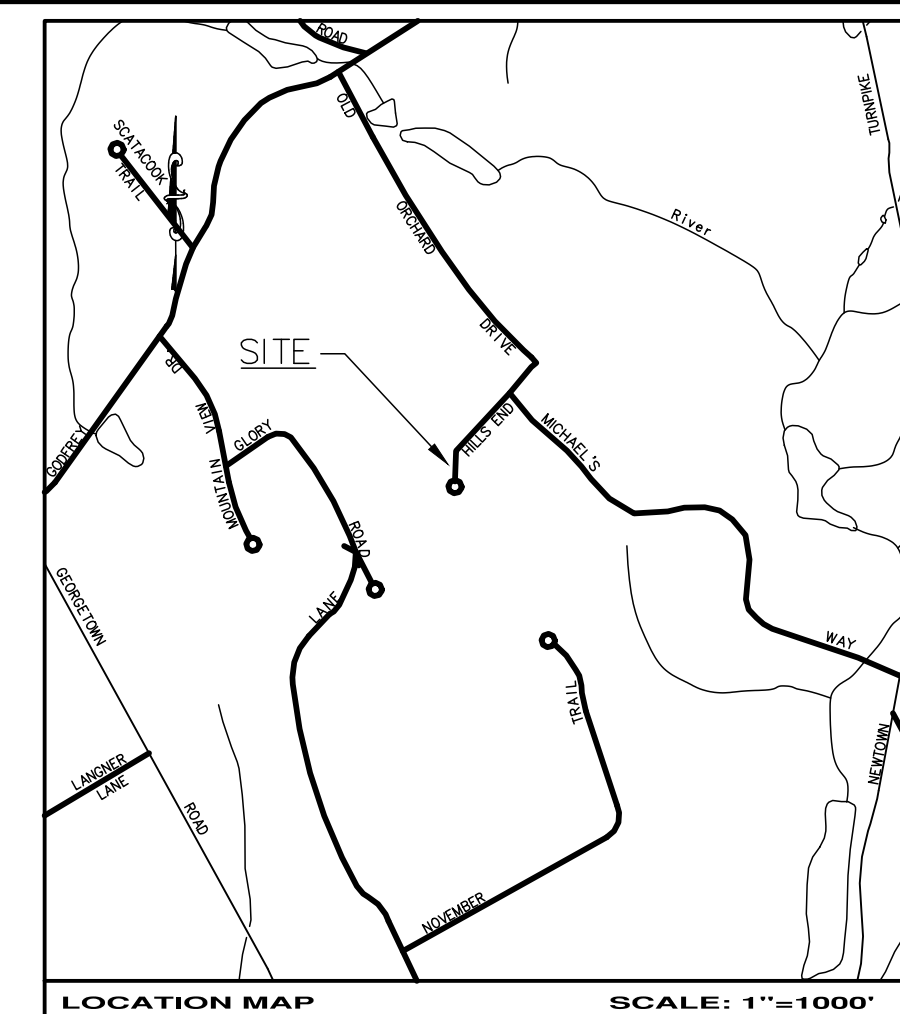
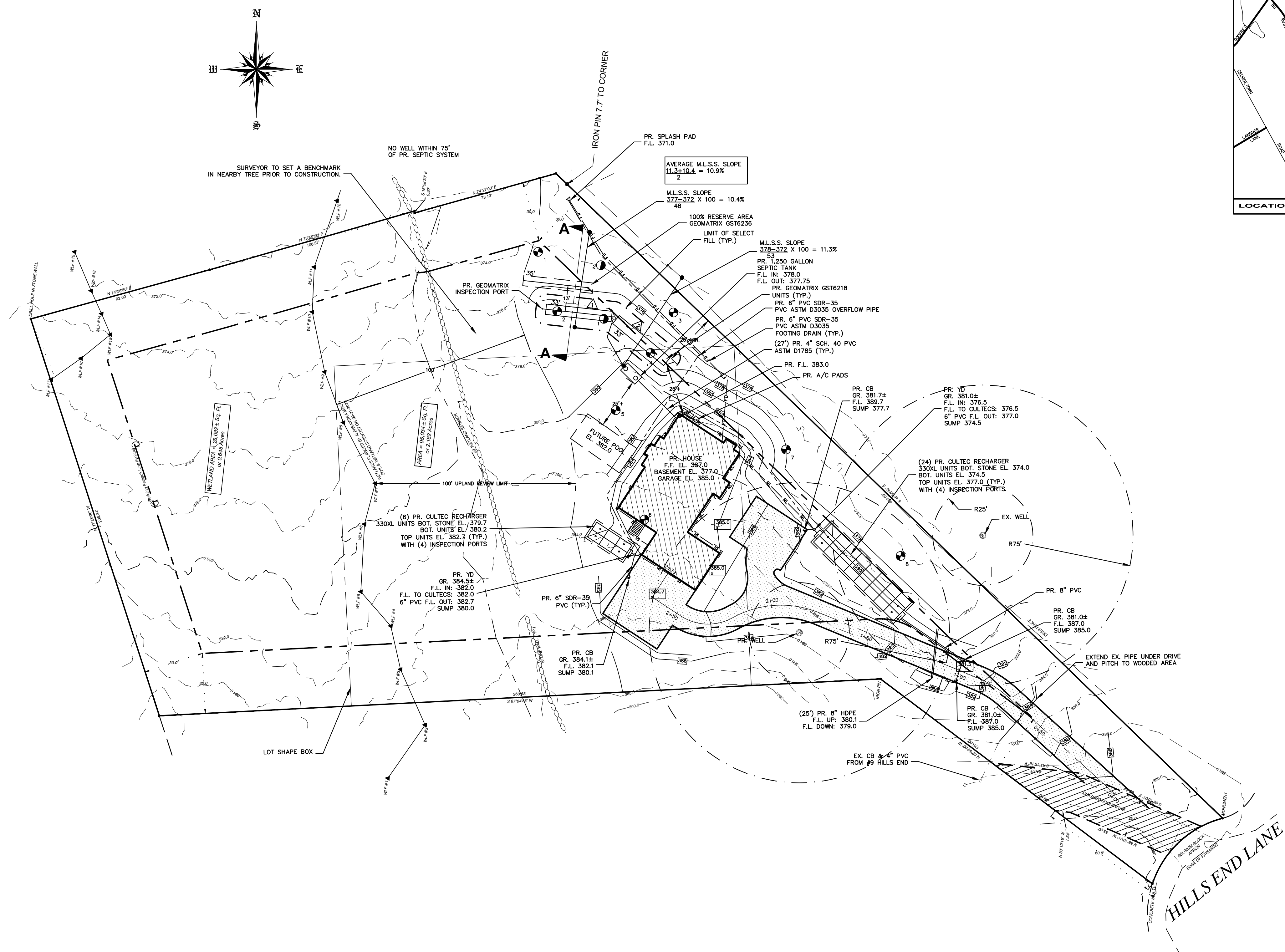
MAP REFERENCES:

- RECORD MAP #3272C
- RECORD MAP #1832
- RECORD MAP #1502
- RECORD MAP #1717
- RECORD MAP #1966
- RECORD MAP #1992
- RECORD MAP #2112
- RECORD MAP #2151
- RECORD MAP #2305
- RECORD MAP #2304
- RECORD MAP #3233
- RECORD MAP #3219 A-E
- RECORD MAP #3272 A-E

THE PURPOSE OF THIS PLAN IS TO PROVIDE A SEPTIC SYSTEM DESIGN AND DRAINAGE DESIGN FOR THE PROPOSED HOUSE. IT IS NOT A SURVEY AND IS NOT TO BE USED FOR ANY OTHER PURPOSE. FRANGIONE ENGINEERING, LLC TAKES NO RESPONSIBILITY IF THIS DRAWING IS USED FOR ANY PURPOSE OTHER THAN THAT WHICH WAS INTENDED.

ORIGINAL TOPOGRAPHIC INFORMATION OBTAINED FROM SURVEY PREPARED BY LAND SURVEYING SERVICES, LLC FOR SUBJECT PARCEL DATED OCTOBER 20, 2023. FRANGIONE ENGINEERING, LLC TAKES NO RESPONSIBILITY FOR THE ACCURACY OF THE ORIGINAL TOPOGRAPHIC SURVEY. SURVEYOR'S NOTES CITED HEREIN TAKEN FROM SAID MAP.

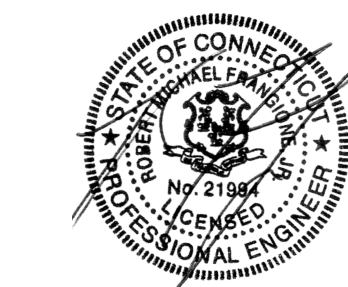
UTILITY NOTE:
Underground utilities, facilities and structures have been plotted from surface indications and record sources. The locations of all underground utilities are approximate only. Additionally, there may be other underground utilities the existence of which is presently unknown. Any party utilizing the utility information and data depicted on this survey shall call "CALL BEFORE YOU DIG" at 800-922-4455 a minimum of forty eight (48) hours prior to any construction activities to verify the location of underground utilities.



- NOTES:**
- ALL DRAIN PIPES SHALL BE 6" SDR-35 PVC ASTM D3034 UNLESS OTHERWISE NOTED.
 - ANY EX. DRAINS TO REMAIN.
 - CONTRACTOR TO CHECK THAT ALL EX. DRAINS ARE FREE-FLOWING AND SHALL REPAIR PIPES IF NECESSARY.
 - CONTRACTOR SHALL GIVE DESIGN ENGINEER MINIMUM 48 HOURS NOTICE PRIOR TO INSTALLATION OF DRAINAGE SYSTEM SO THAT DESIGN ENGINEER CAN ARRANGE TO OBSERVE CONSTRUCTION OF THE DRAINAGE COMPONENTS.

**ZONE IS R-2A
AREA = 95.034+/- S.F. (2.182 ACRES)**

SCALE: 1" = 30'



1 2/2/24		LOT SHAPE BOX, HOUSE LOCATION, GRADING & DRAINAGE		R.M.F.
No.	DATE	DESCRIPTION	DWG	
REVISIONS				
PROJECT				
PROPOSED SEPTIC SYSTEM PREPARED FOR KAESER CUSTOM HOMES 7 HILLS END LANE WESTON CONNECTICUT			FRANGIONE ENGINEERING, LLC CIVIL ENGINEERING STRUCTURAL ENGINEERING LAND DEVELOPMENT 15 SNOWBERRY LANE NEW CANAAN, CT 06840 (203) 554-9551 (PHONE) (203) 966-6957 (FAX)	
DRAWING NAME OVERALL SITE PLAN				
SCALE	1" = 30'	MUNICIPALITY	WESTON	SHEET No
DATE	DECEMBER 28, 2023		SHEET 1 OF 3	
DRAWN	R.M.F.	MAP 14, BLOCK 1		
		LOT 57		
FILE NAME:	R:\ADMIN\2023\17 HILLS END LANE\17 HILLS END LANE SITE PLAN			

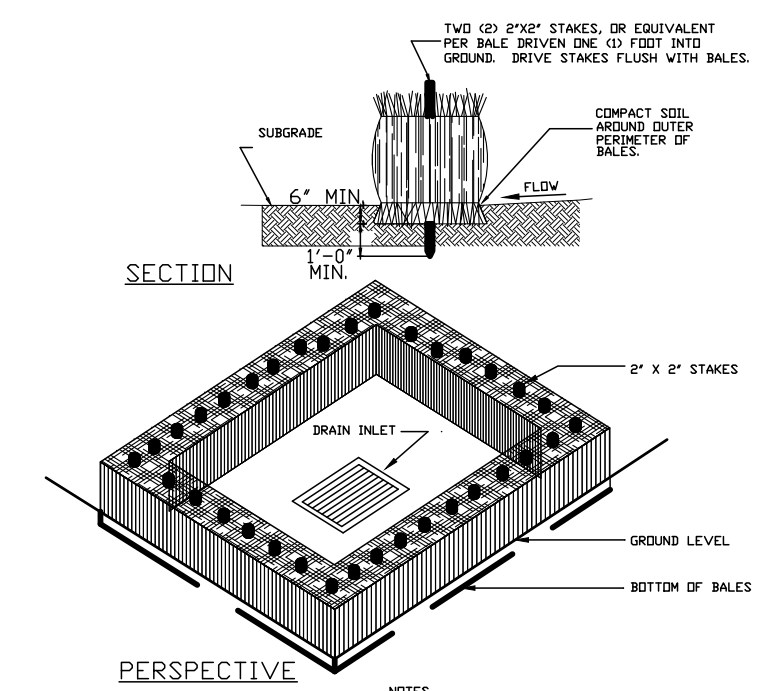
1. A SEDIMENT BARRIER WILL BE ERECTED AROUND THE DOWNSLOPE PERIMETER OF ALL CONSTRUCTION ACTIVITIES. IN ADDITION TO THOSE SHOWN ON THE PLAN, ADDITIONAL CONTROLS WILL BE INSTALLED AS DEEMED NECESSARY BY THE GENERAL CONTRACTOR IN RESPONSE TO SITE CONDITIONS.
2. CUT AND/OR FILL SLOPES OF GREATER THAN 2 ON 1 REMAINING IN ROUGH GRADE WILL BE MULCHED AND SEEDED.
3. THE AMOUNT OF NATURAL VEGETATION REMOVED WILL BE MINIMIZED. ALL DISTURBED AREAS NOT SCHEDULED FOR CONSTRUCTION WITHIN 60 DAYS WILL BE MULCHED WITH UNROTTED STRAW OR HAY AND SEEDED. MULCH WILL BE APPLIED AT 90 LBS. PER 1000 SQ. FT.
4. ALL STOCKPILES LEFT FOR MORE THAN 1 MONTH WILL BE RINGED WITH SEDIMENT BARRIERS.
5. AT LEAST 50 FEET OF SILT FENCE AND/OR 50 FT. OF HAYBALES WILL BE STOCKPILED ON SITE FOR EMERGENCY USE.
6. SEDIMENT REMOVED FROM CONTROL STRUCTURES WILL BE PLACED IN AN APPROVED UPLAND SITE, A SUFFICIENT DISTANCE FROM ALL CONTROLLED ENVIRONMENTS.
7. UPON FINAL GRADING THE OPEN SOIL HORIZONS ARE TO BE IMMEDIATELY PLACED IN SEED. OPTIMUM SUCCESS IN ESTABLISHING PLANTS ON SLOPES IS ACHIEVED WHERE SLOPE ANGLES DO NOT EXCEED 3 HORIZONTAL TO ONE VERTICAL. THESE SOILS SHOULD NOT CONTAIN GREATER THAN 85% CLAY.
8. CONSTRUCTION ENVELOPES ARE TO BE DELINEATED WITH HIGH VISIBILITY BARRICADE TAPE, SNOW FENCE OR PLASTIC NETTING.
9. TREES IN A CLOSE PROXIMITY TO CONSTRUCTION ACTIVITIES ARE TO BE PROTECTED WITH SNOW FENCE OR A COMPARABLE BARRIER PLACED AT THE DRIPLINE.
10. METHODS FOR PROPER DESIGN AND INSTALLATION OF CONTROL MEASURES MAY BE FOUND IN THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.
11. UTILITY TRENCHES ARE TO BE COMPLETED, SEEDED AND MULCHED WITHIN 15 DAYS AFTER BACKFILL.
12. ANY DISTURBED AREA NOT PAVED, SODDED OR BUILT UPON BY NOVEMBER 1ST IS TO BE SEED ON THAT DATE WITH OATS, ABRUZZI RYE, OR EQUIVALENT AND MULCHED WITH HAY OR STRAW.
13. DRAINAGE OUTLETS ARE TO BE PROTECTED WITH SPLASH GUARDS OR STONE AND/OR LEVEL SPREADERS.
14. ALL EROSION CONTROL DEVICES SHALL BE INSPECTED (AND REPAIRED IF NECESSARY) EVERY TWO WEEKS AND/OR AFTER EVERY RAIN STORM OF 0.5" OR GREATER.

PROJECT NOTES

1. ALL SEDIMENTATION AND EROSION CONTROLS ARE TO BE INSTALLED PRIOR TO START OF DEMOLITION AND CONSTRUCTION.
2. MACHINERY ACCESS WILL BE VIA THE EXISTING DRIVEWAY.
3. ALL FILL & EXCAVATION WILL BE LIMITED TO PROPOSED ACTIVITIES.
4. PROPOSED ACTIVITIES ARE GENERALLY SITED WHERE CONCEPTUALLY APPROVED.

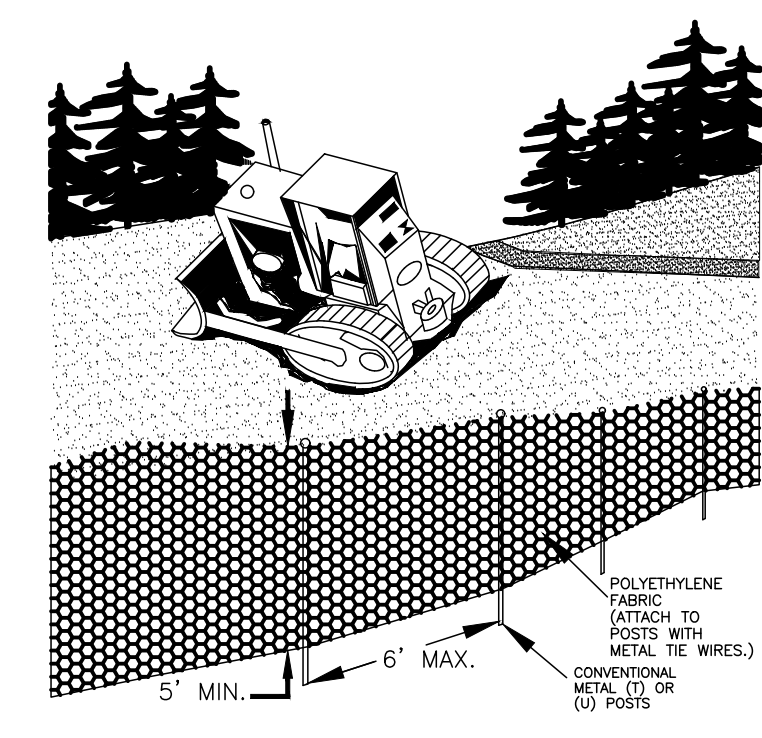
GENERAL CONSTRUCTION SEQUENCE

1. EMPLACEMENT OF THE SEDIMENTATION & EROSION CONTROLS - NOTE MULTIPLE ROWS OF SILT FENCE TO COORDINATE WITH SEPARATE AREAS OF SITE DISTURBANCE;
2. DELINEATION OF THE CONSTRUCTION ENVELOPES WITH HIGH-VISIBILITY BARRICADE TAPE OR SNOW FENCE;
3. CLEARING WITHIN THE AREA FOR THE PROPOSED ACTIVITY;
4. TOPSOIL REMOVAL AND STOCKPILING IN STABILIZED AREA, STABILIZED WITH MULCH AND/OR RINGED WITH SEDIMENT BARRIER;
5. EXCAVATION FOR SEPTIC SYSTEM LEACHING AREA;
6. SEPTIC SYSTEM LEACHING CONSTRUCTION;
7. LOCATE LEACHING AREA BY SURVEY AND BACKFILL;
8. CULTEC UNIT CONSTRUCTION;
9. EXCAVATE FOR HOUSE FOUNDATION;
10. FOOTING DRAIN AND OVERFLOW PIPE INSTALLATION;
11. HOUSE CONSTRUCTION;
12. DRAINAGE STRUCTURE AND SEPTIC TANK INSTALLATION;
13. INSTALL ALL CONNECTING SEPTIC SYSTEM AND DRAINAGE LINES;
14. DRIVEWAY CONSTRUCTION;
15. FINAL GRADING & LANDSCAPING.
16. CONSTRUCTION PHASES WILL OCCUR SIMULTANEOUSLY AS LONG AS THE SITE IS STABLE AND EROSION CONTROLS ARE FUNCTIONING.



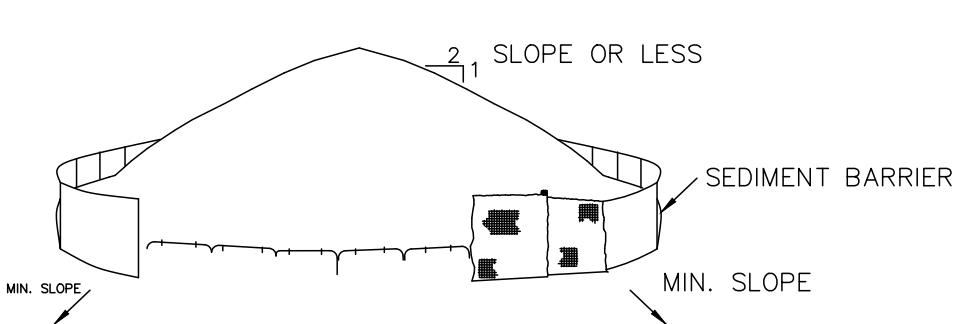
INLET PROTECTION

IP NOT TO SCALE



SAFETY FENCE

CF NO SCALE

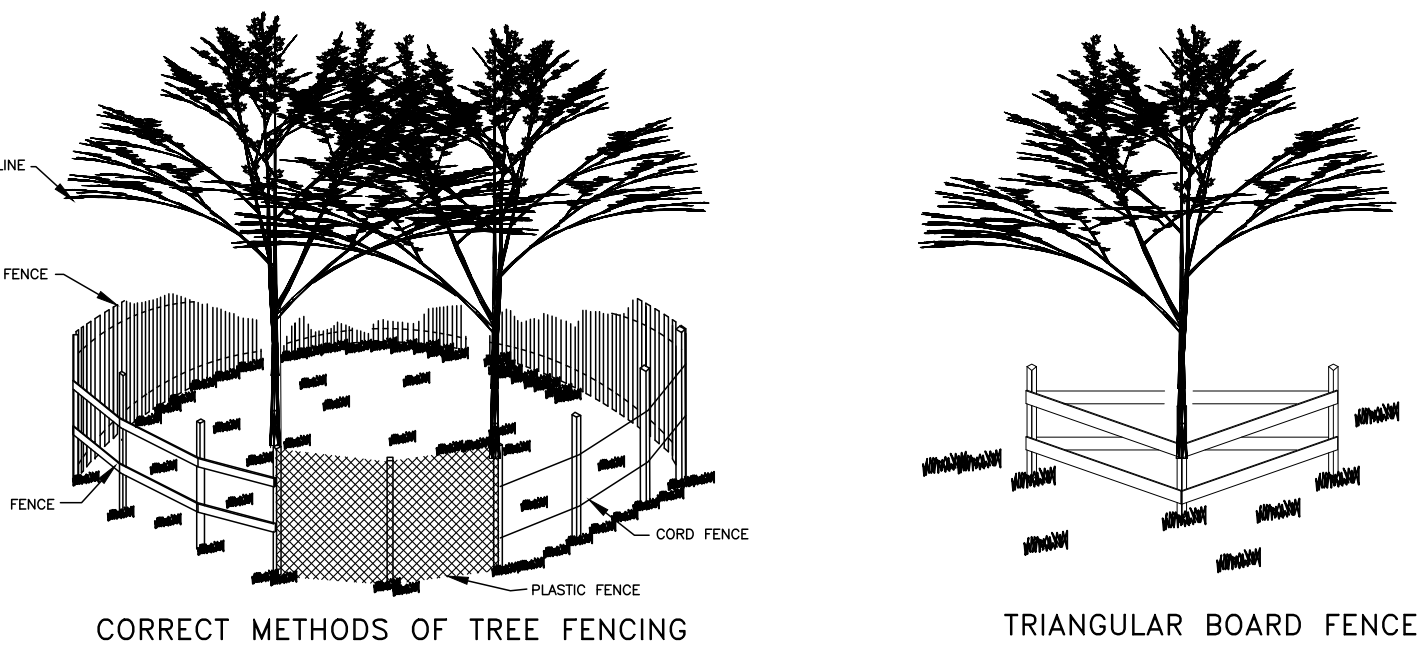


INSTALLATION NOTES

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAWBALES, THEN STABILIZED WITH VEGETATION OR COVERED.

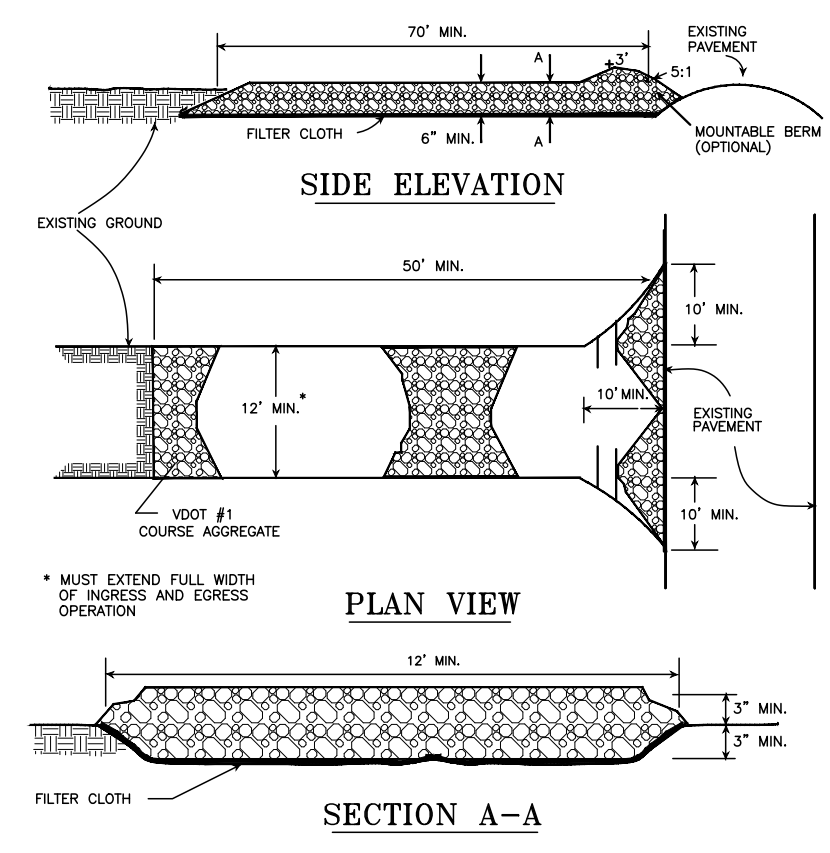
TEMPORARY STOCKPILE DETAIL

TS NOT TO SCALE



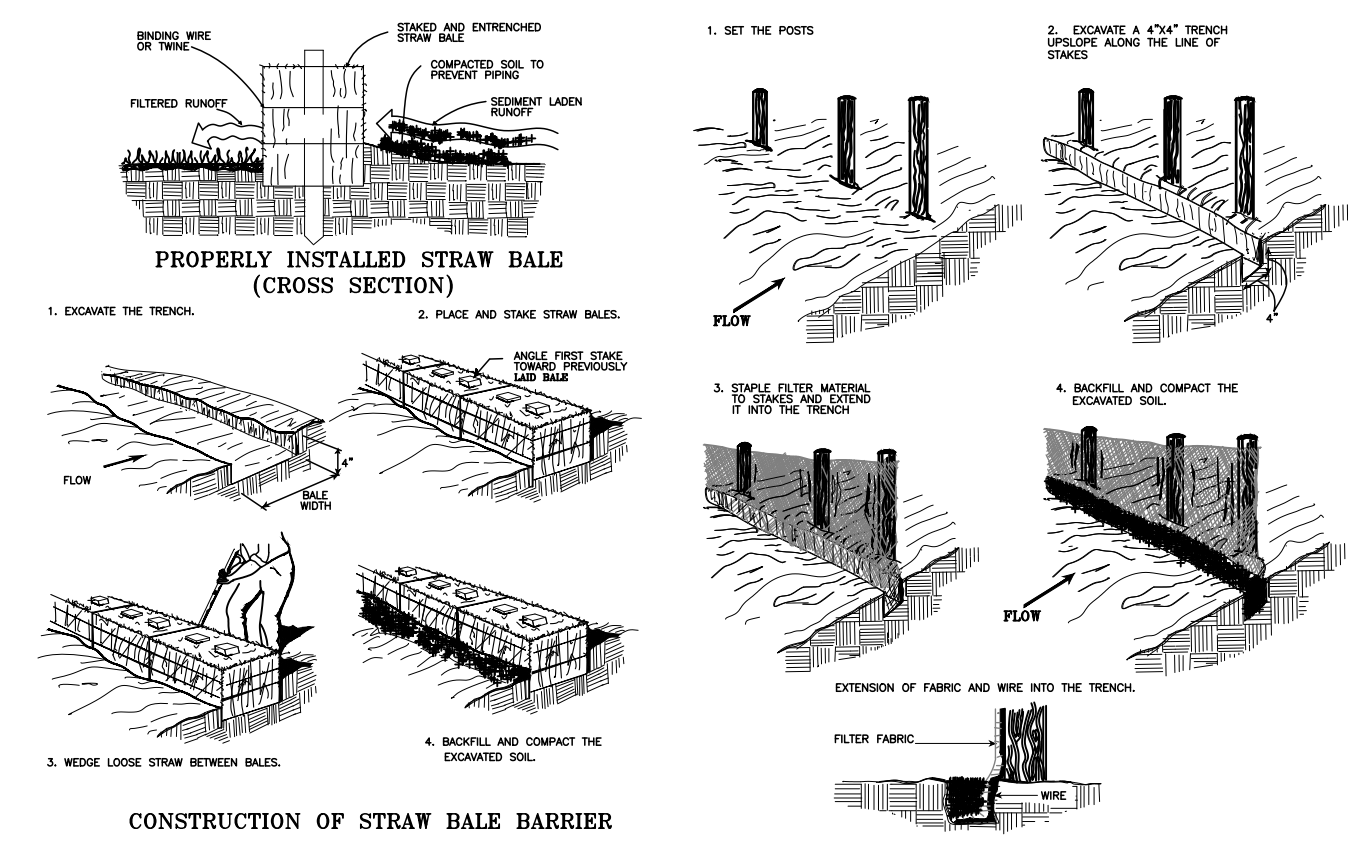
TREE PROTECTION

TP NO SCALE



CONSTRUCTION ENTRANCE

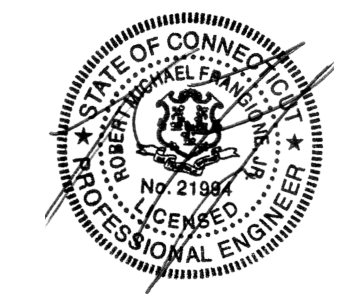
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SEDIMENT BARRIER

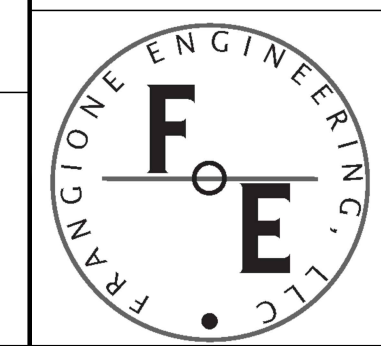
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HILLS END LANE



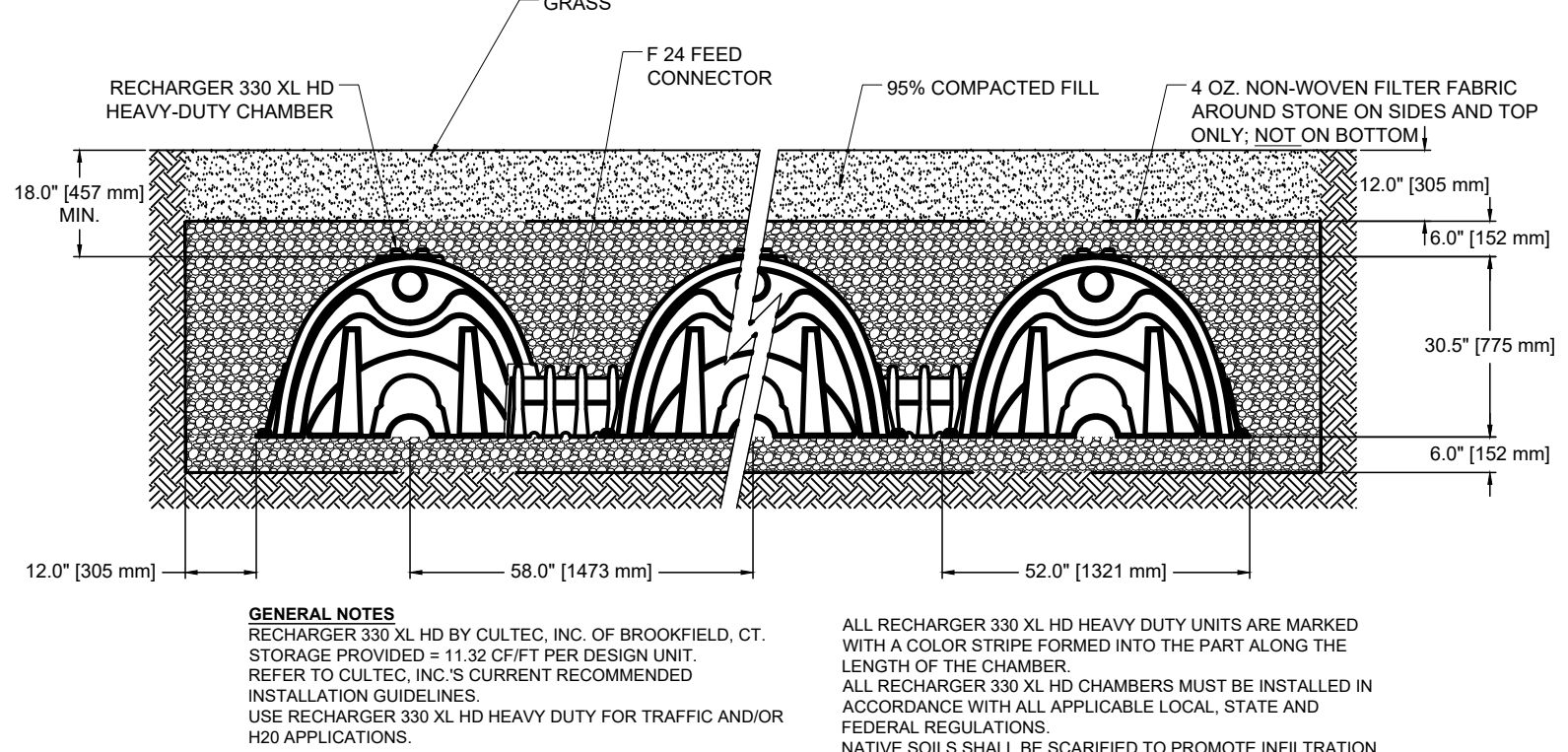
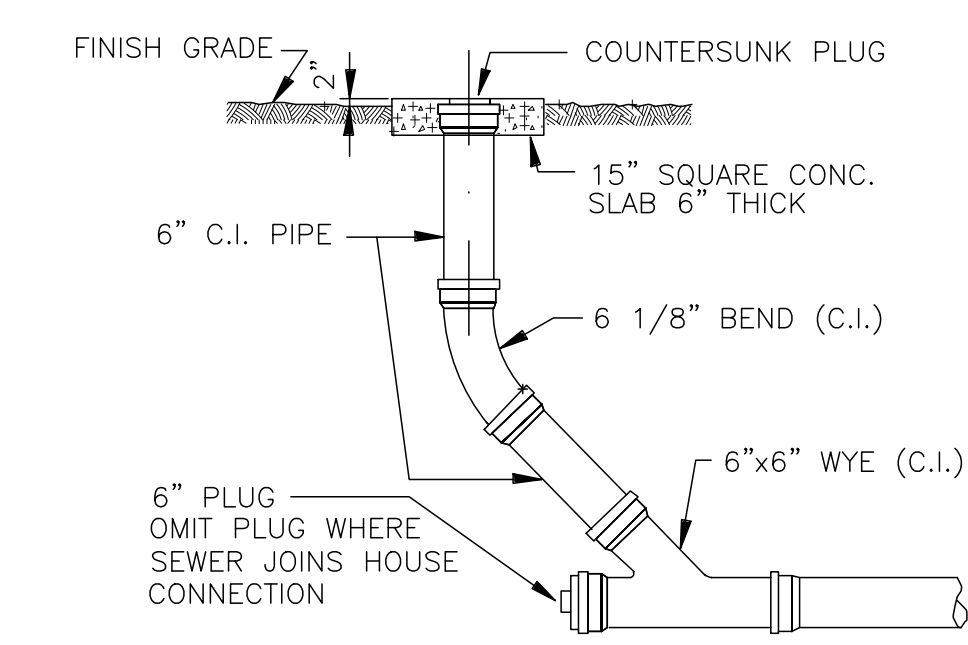
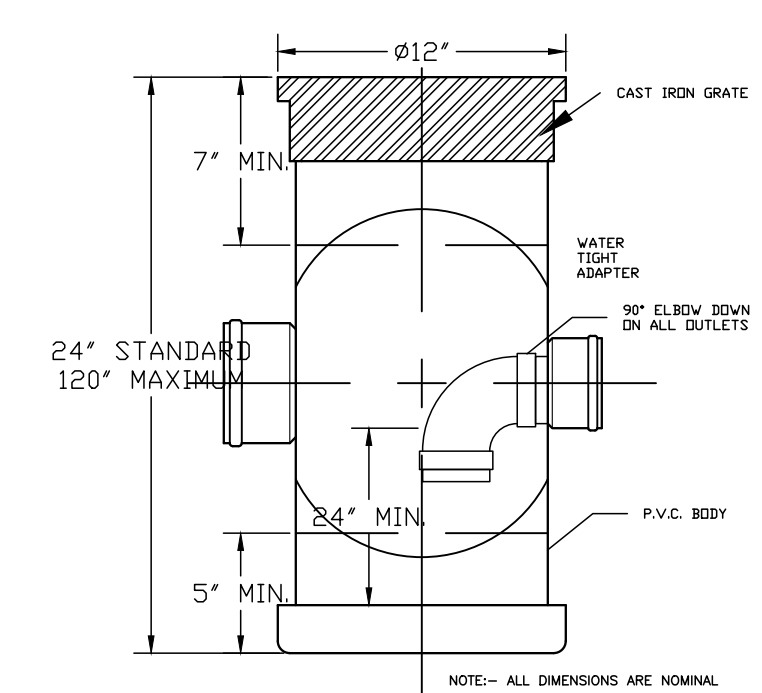
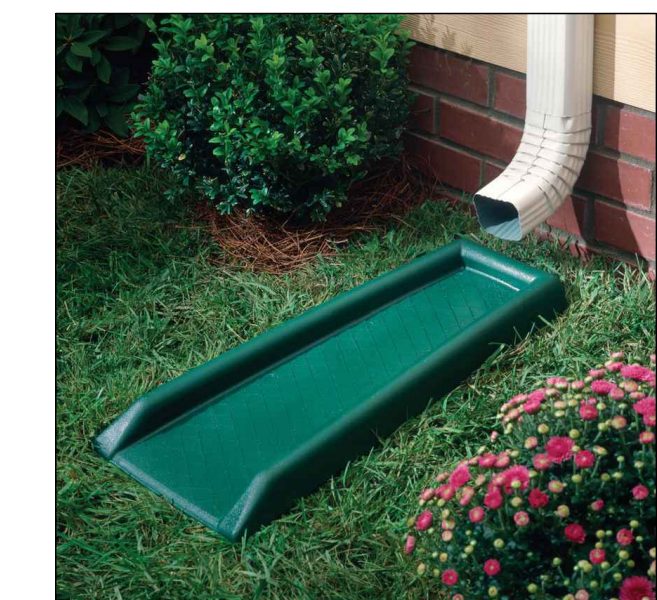
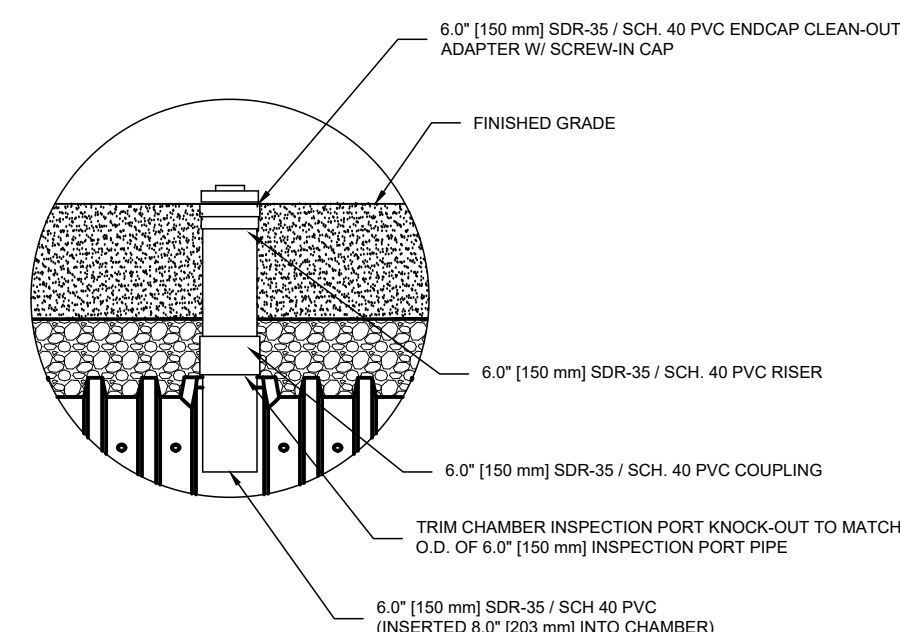
1	2/2/24	PR. HOUSE LOCATION, GRADING & DRAINAGE	R.M.F.
No	DATE	DESCRIPTION	DWG
REVISIONS			
PROJECT			
PROPOSED SEPTIC SYSTEM PREPARED FOR			
KAESER CUSTOM HOMES			
7 HILLS END LANE			
WESTON		CONNECTICUT	
DRAWING NAME			
EROSION CONTROL PLAN			
SCALE	AS NOTED	MUNICIPALITY	WESTON
DATE	DECEMBER 28, 2023	SHEET	2 OF 3
DRAWN	R.M.F.	MAP	14, BLOCK 1
		LOT	57
FILE NAME:	C:\ADMIN\WESTON\HILLS END LANE\HILLS END LANE SITE PLANS		

S2



PRINTS NOT VALID WITHOUT ORIGINAL SIGNATURE & SEAL.

Soil Data	DEEP TEST PERCOLATION TEST		Sanitarian: Richard Janey								12/28/2023
	Hole #		1	2	3	4	5	6	7	8	
Soil Type											
TOPSOIL	0-12"	0-12"	0-11"	0-8"	0-12"	0-12"	0-10"	0-10"	0-10"	0-10"	
ORANGE BROWN SANDY LOAM	12"-30"	12"-36"	11"-36"	8"-37"	12"-33"	12"-46"	10"-45"	10"-36"	10"-36"	10"-36"	
TAN SILTY SAND & GRAVEL	30"-72"	36"-84"	36"-84"	37"-93"	33"-102"	46"-80"	45"-84"	36"-92"	36"-92"	36"-92"	
MOTTILING	-	-	-	-	-	-	-	-	-	-	
AGW	31"	39"	76"	58"	72"	76"	-	84"	-	-	
LEDGE	-	-	-	-	-	-	-	-	-	-	
ROOTS	36"	60"	42"	42"	43"	24"	36"	40"	-	-	
PERCOLATION RATE	1" IN 5 MIN. 1" IN 20 MIN.										
7 HILLS END LANE											



Frangione Engineering LLC
15 Snowberry Lane
New Canaan, Connecticut 06840

DESIGN DATA SHEET - SEPARATE SEWAGE DISPOSAL

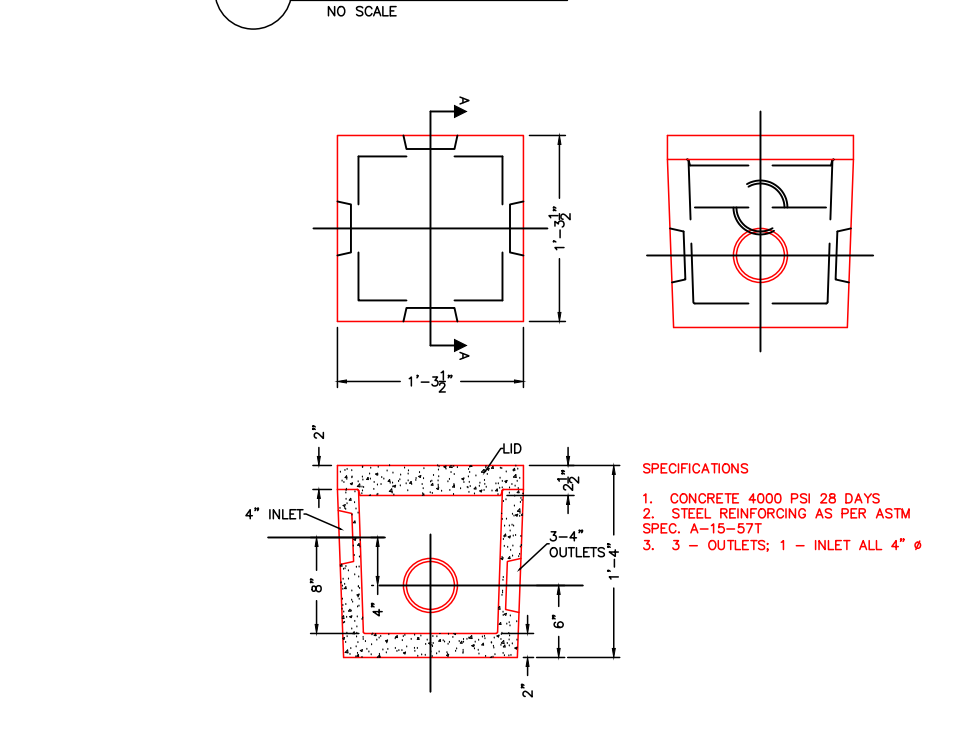
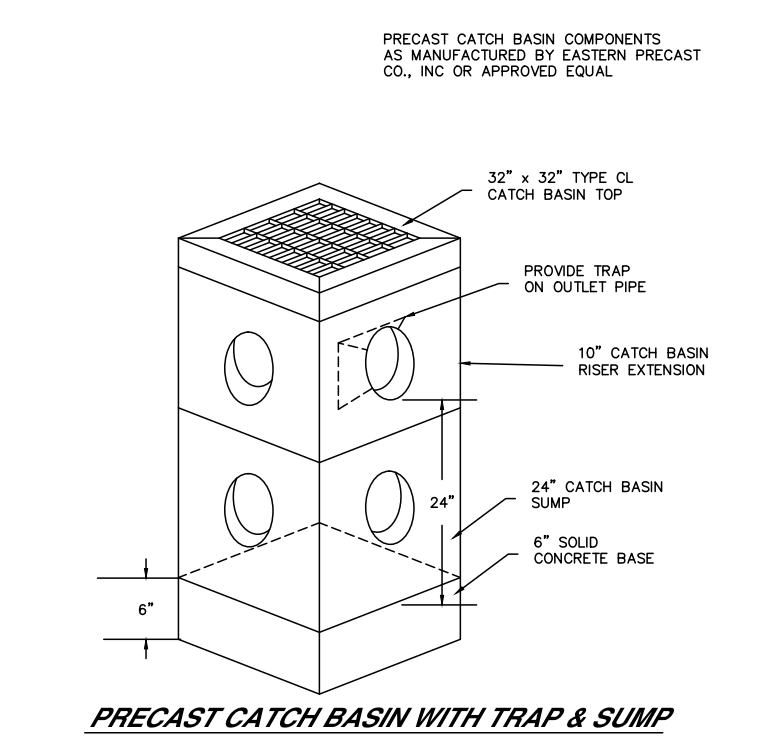
Property Location: 7 Hills End Lane

Municipality: Town of Weston
Sanitarian: Richard Janey

Pre-Soak Time: 1 hour
Date: 12/28/2023

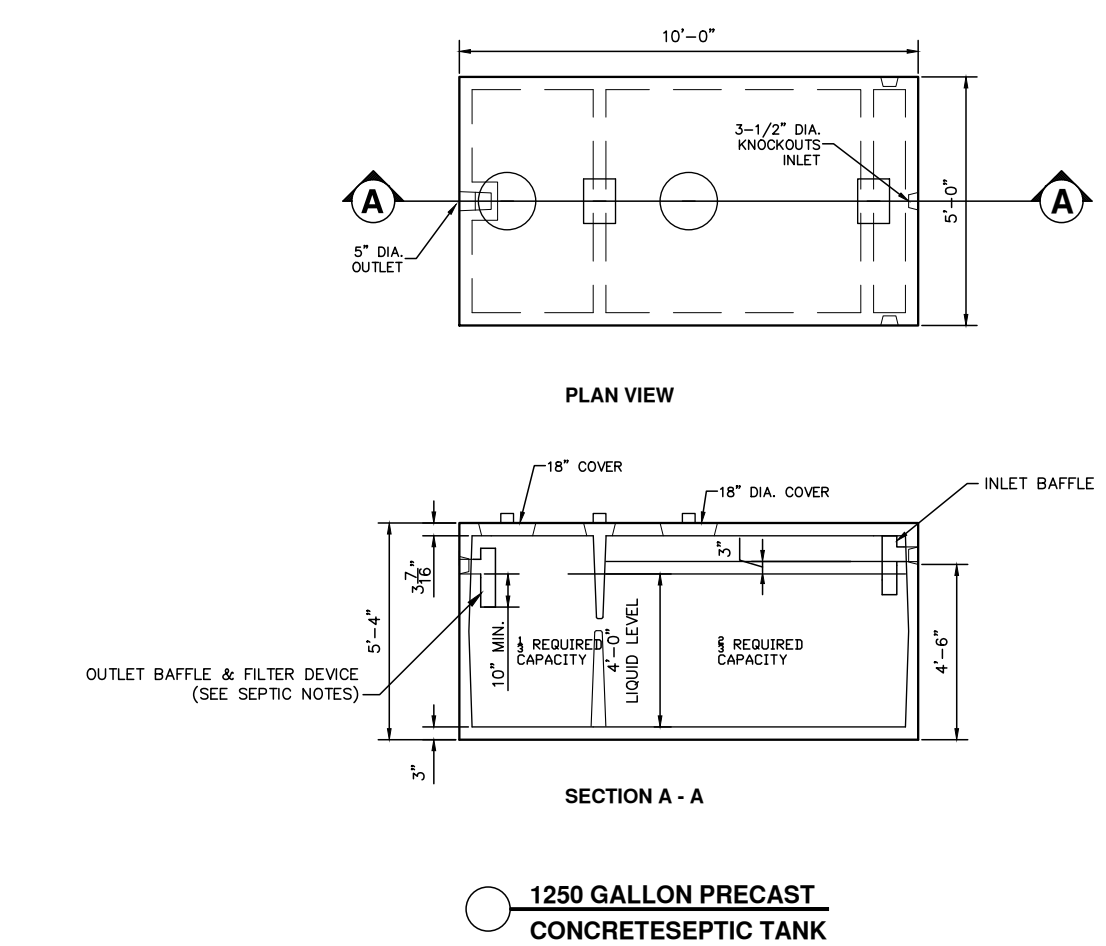
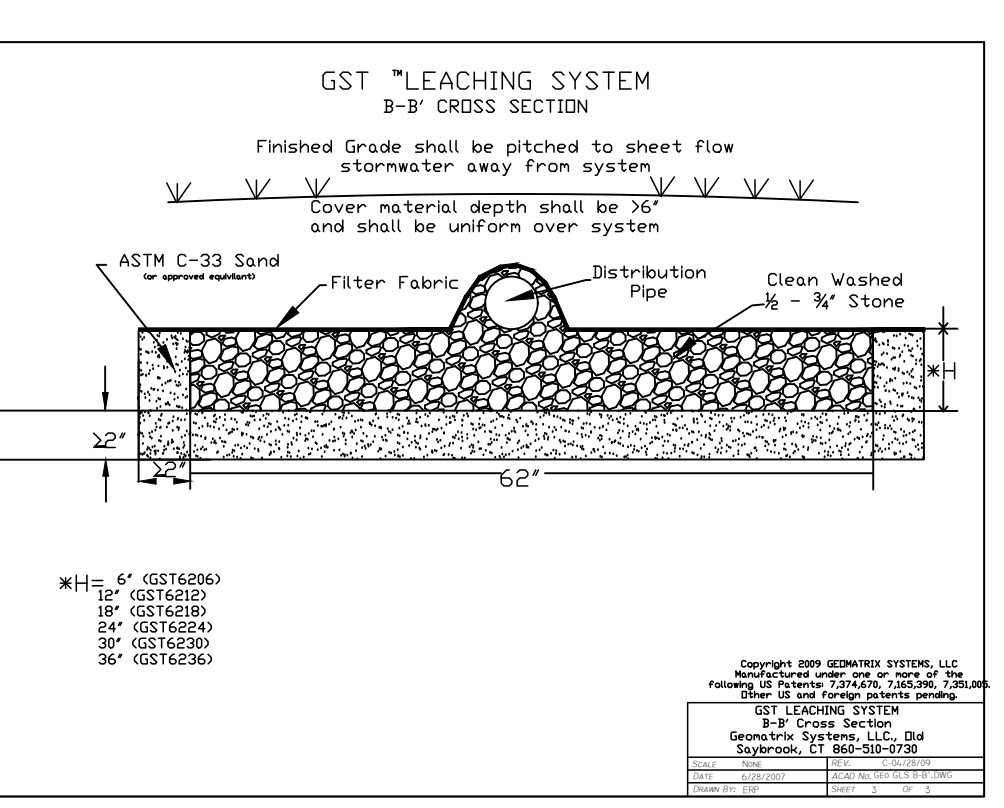
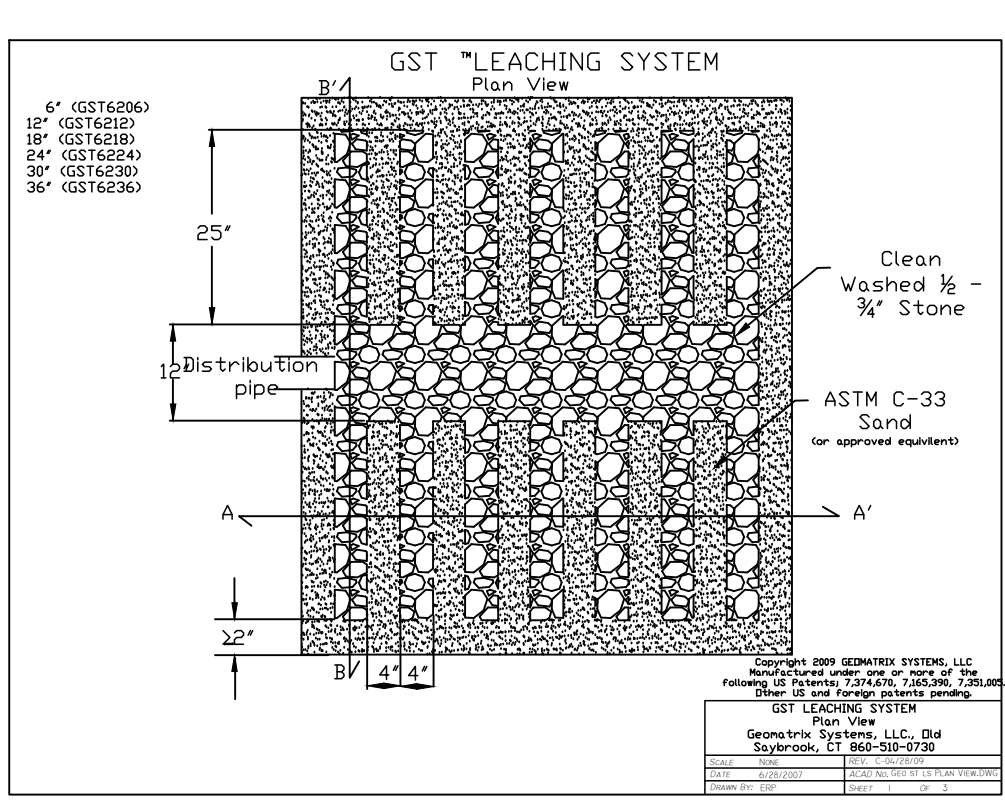
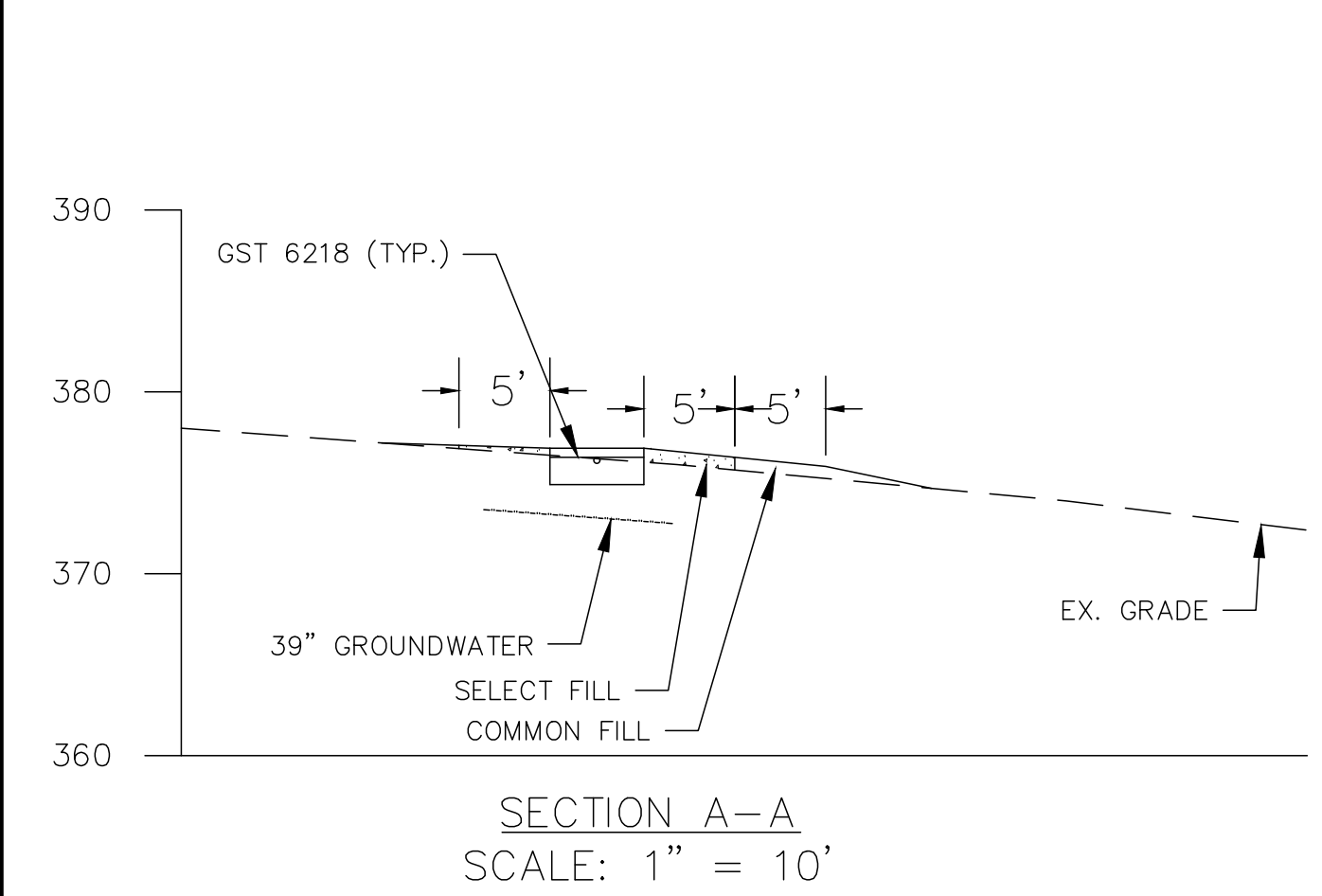
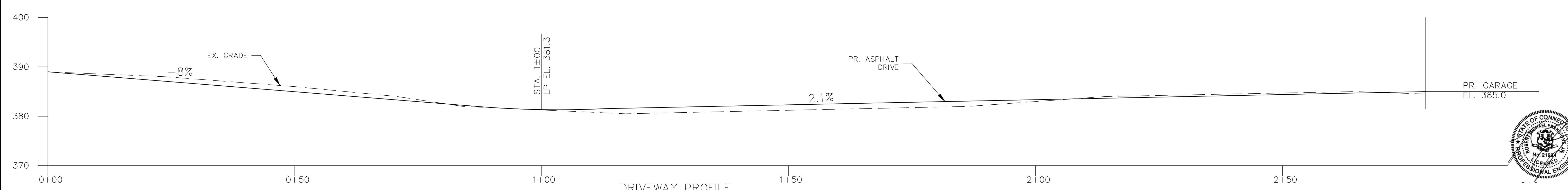
SOIL PERCOLATION TEST DATA REQUIRED TO BE SUBMITTED WITH APPLICATION

Hole Number	Clock Time		Elapsed Time	Percolation Depth to Water from Ground Surface		Percolation Water Level	Soil Rate
	Start	Stop		Start (Inches)	Stop (Inches)		
perc. 1	9:57	10:07	10	21	23	2	Refill
	10:10	10:20	10	20 1/2	22	1 1/2	Refill
	11:19	11:29	10	21	23	2	1" in 5 min
perc. 2	9:58	10:08	10	14 1/2	17	2 1/2	
	10:08	10:18	10	17	18 1/2	1 1/2	
	10:18	10:28	10	18 1/2	20	1 1/2	
	10:28	10:38	10	20	21	1	
	10:38	10:48	10	21	22	1	
	10:48	10:58	10	22	22 3/4	1/4	Refill
	11:00	11:10	10	16	18	2	
11:10	11:20	10	18	19 1/2	1 1/2	1" in 20 min	



SEPTIC SYSTEM ELEVATION KEY

Trench No.	Existing Grade	Proposed Grade	Restrictive Layer	Gallery Bottom El.	Invert In to gallery	Top of gallery	Distribution Box	
							Invert El. (In)	Invert El. (Out)
1	376.6	376.9	373.4 (39" Actual GW)	374.9	375.9	376.4	376.6	376.4
2	376.6	376.9	373.4 (39" Actual GW)	374.9	375.9	376.4		



1 2/2/24 DRIVEWAY PROFILE R.M.F.

No DATE DESCRIPTION DWG

REVISIONS

PROJECT: PROPOSED SEPTIC SYSTEM PREPARED FOR KAESER CUSTOM HOMES 7 HILLS END LANE WESTON CONNECTICUT

DRAWING NAME: DETAILS & NOTES SHEET No. S3

SCALE: AS NOTED MUNICIPALITY: WESTON SHEET 3 OF 3

DATE: DECEMBER 28, 2023 MAP 14, BLOCK 1 LOT 57

FILE NAME: P:\PROJECTS\MISSOURI\7 HILLS END LANE\7 HILLS END LANE SITE PL.DWG

FRANGIONE ENGINEERING, LLC
CIVIL ENGINEERING
STRUCTURAL ENGINEERING
LAND DEVELOPMENT
15 SNOWBERRY LANE
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