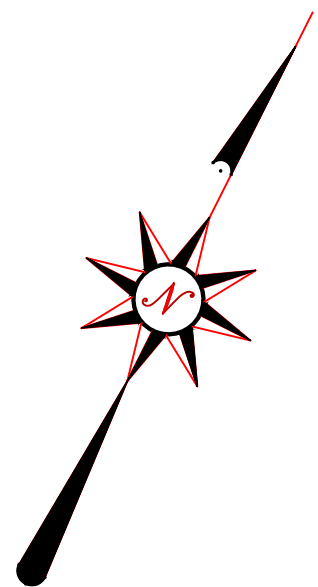


**SURVEY NOTES:**  
 1. THIS SURVEY (OR MAP) HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THRU 20-300b-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996. IT IS AN IMPROVEMENT LOCATION SURVEY BASED ON A DEPENDENT RESURVEY CONFORMING TO HORIZONTAL ACCURACY CLASS A-2 AND VERTICAL ACCURACY CLASS V-2 AND INTENDED TO BE USED FOR REGULATORY APPROVAL.  
 2. REFERENCE IS MADE TO THE FOLLOWING MAP:  
 A) "PLOT PLAN PREPARED FOR JAMES HARMON, 34 KETTLE CREEK ROAD, WESTON, CONN." SCALE 1"=40'. DATED JUNE 5, 2022. PREPARED BY LEONARD SURVEYORS LLC.

ZONE R-2A			
MIN. LOT AREA	SECTION	REQUIRED	PROPOSED
12 AC.	12 AC.	12 AC.	12 AC.
MIN. RECTANGLE	321.5	170'x200'	170'x200'
MIN. LOT FRONTAGE	321.5	170'	35.01'
SETBACKS	321.6		
FRONT	321.6	30'	89.6'±
SIDE	321.6	30'	31.6'±
REAR	321.6	30'	215.5'±
FARM STRUCTURES	321.1	100'	N/A
MAX. BLDG COVERAGE	321.7	15%	3.4%
MAX. BLDG HEIGHT	321.8	35'	<35'

\*SEE ARCHITECTURAL PLANS



**STANDARD NOTES**

- All construction methods, materials and installation of the system to be in accordance with all applicable local and state regulations.
- Topographic and property data shown are only approximate.
- Topographic data based on STATE OF CT GIS DATA, property lines based on REFERENCED MAPS.
- The test results and soil types shown apply only to the test holes shown and may vary throughout the site. Soil type and grade should be verified by the owner over the entire leaching area prior to construction.
- Select fill, if required, to be placed in maximum of 12" lifts and to be compacted to a minimum of 90% compaction. Material to have a maximum of 5% passing the #200 sieve. Prior to the delivery of select fill to the site, the contractor at his expense, shall furnish a certified gradation analysis to the local Health Department and to the Design Engineer. Final approval of septic fill will be conditional on the completion of a percolation test on the inplace material. This test is to be witnessed by the Design Engineer and/or local Health Department official. The maximum allowable percolation rate will be 1" in 10 minutes, unless otherwise noted.
- Unless otherwise directed hereon, the site requiring placement of select fill shall be prepared by removing all topsoil in the system area and 5 ft on all sides. No heavy equipment shall be used in the prepared area. Fill shall be placed on the perimeter of the trench area and spread with a small crawler, tractor or other approved machinery. Upon placement of the first lift of select fill, material shall be thoroughly harrowed into the existing subsoil layer.
- Call "Call Before You Dig" 1-800-922-4455 to locate underground utilities on property and show service lines to building from public utilities shown on plan.
- Contractor shall contact the certifying engineer and Health department at least 24 hours prior to starting construction, or the system installation will not be certified.
- Oil tank is to be installed inside proposed building.
- The licensed installer shall cover the septic system with clean soil as prescribed by the latest revision of Technical Standards. Clean soil is native soil, free of contaminants such as boulders, building debris, stumps, etc.
- Septic system to be staked by Engineer/Surveyor and benchmark set prior to starting construction.
- A sieve analysis of the septic fill is to be provided to the health district and design engineer verifying compliance to Health Code requirements prior to placement on site.
- Prior to backfilling septic system Engineer/Surveyor to asblit completed septic system and provide plan to health department.

**SOIL TEST DATA** SOIL TESTING PERFORMED ON 06-30-23

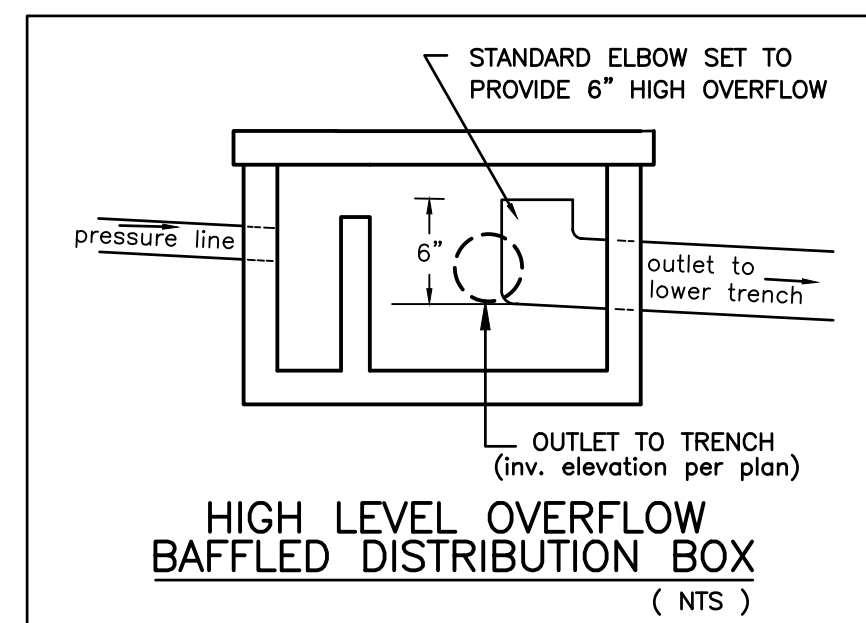
TH-3-1	TH-3-2	TH-3-3
0-13" Topsoil	0-10" Topsoil	0-10" Topsoil
13-24" Orange Brown Silty Sand	10-13" Orange Brown Silty Sand	13-44" Orange Brown Sandy Loam
24-75" Gray Brown Silty Sand	13-30" Gray Brown Silty Sand	44-60" Gray Brown Silty Sand
Groundwater Sump @ 32", Mottles @ 24", No Ledger, Roots to 30"	Groundwater Sump @ 32", Mottles @ 24", No Ledger, Roots to 30"	Groundwater Sump @ 32", Mottles @ 15", No Ledger, Roots to 30"
Rest Layer 24"	Rest Layer 24"	Rest Layer 15"

**PERCOLATION TEST PERFORMED 5-7-24**  
 DEPTH 20"  
 PROSOAK 2 HOURS

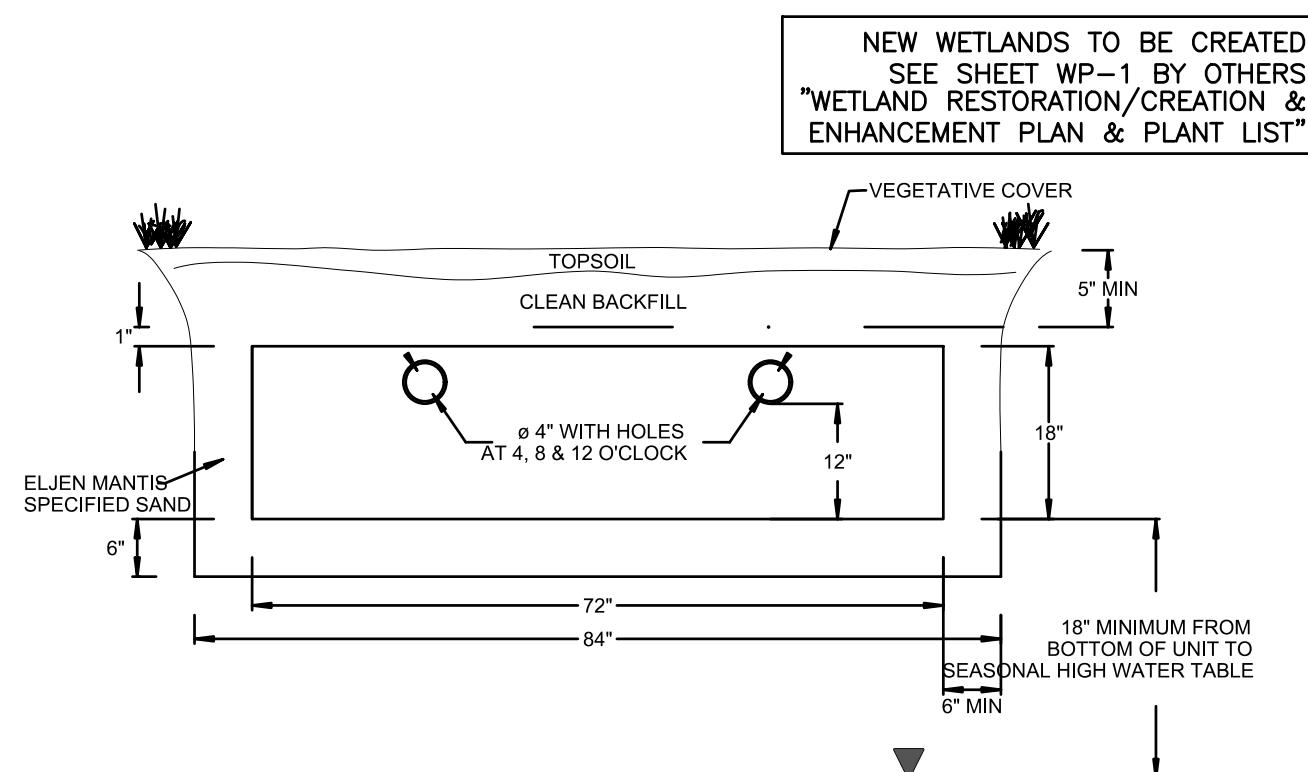
PERC MW-2	TIME	READING
	0 MIN.	5 1/2"
	10 MIN.	7"
	20 MIN.	8"
	30 MIN.	8 1/2"
	40 MIN.	9"
	50 MIN.	9 1/2"
	60 MIN.	10"
	RATE 1" IN 20 MIN.	

**DESIGN INFORMATION**

1012.5 SF EFFECTIVE LEACHING AREA REQUIRED FOR 6 BEDROOM HOUSE  
 1400 SF EFFECTIVE LEACHING AREA PROVIDED FOR 6 BEDROOM HOUSE  
 70 lined feet of MANTIS DOUBLE WIDE 100 UNITS required for proposed 6 bedroom house.  
 MLSS CALCULATIONS: Depth= 36" Slope = 9.5% HF= 24 FF= 2.25 PF= 1.25  
 MLSS = (HF) X (FF) X (PF) = 67.5  
 \* CALCULATED PER CATEGORY 2, RS DEPTH CALCULATION, "CONNECTICUT PUBLIC HEALTH CODE, ON-SITE SEWAGE DISPOSAL REGULATIONS AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS 2024" PAGE 61

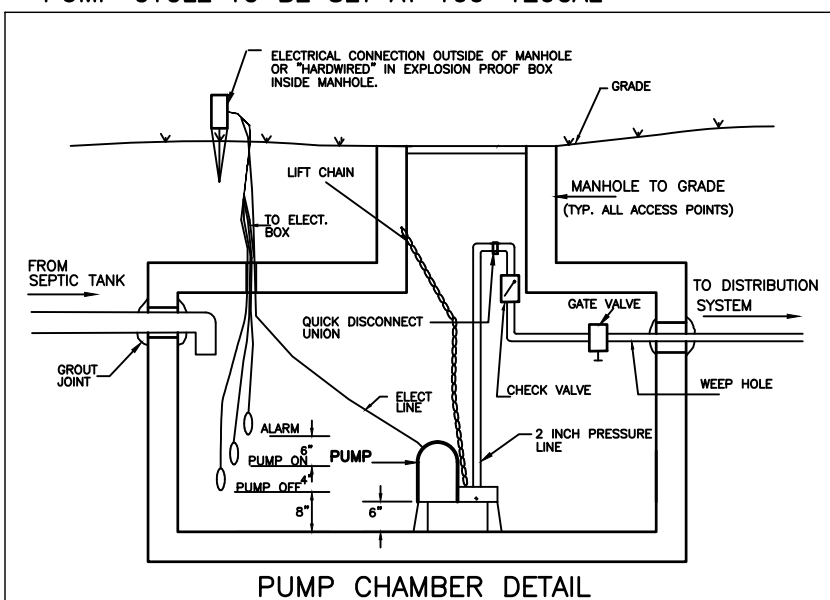


PER RS DEPTH CALCULATION CATEGORY 2  
 24" SELECT FILL ADDED ON TOP OF  
 EXISTING 18.5" RECEIVING SOIL DEPTH IN ORDER  
 TO PROVIDE 36" DEPTH FOR MLSS CALCULATION.



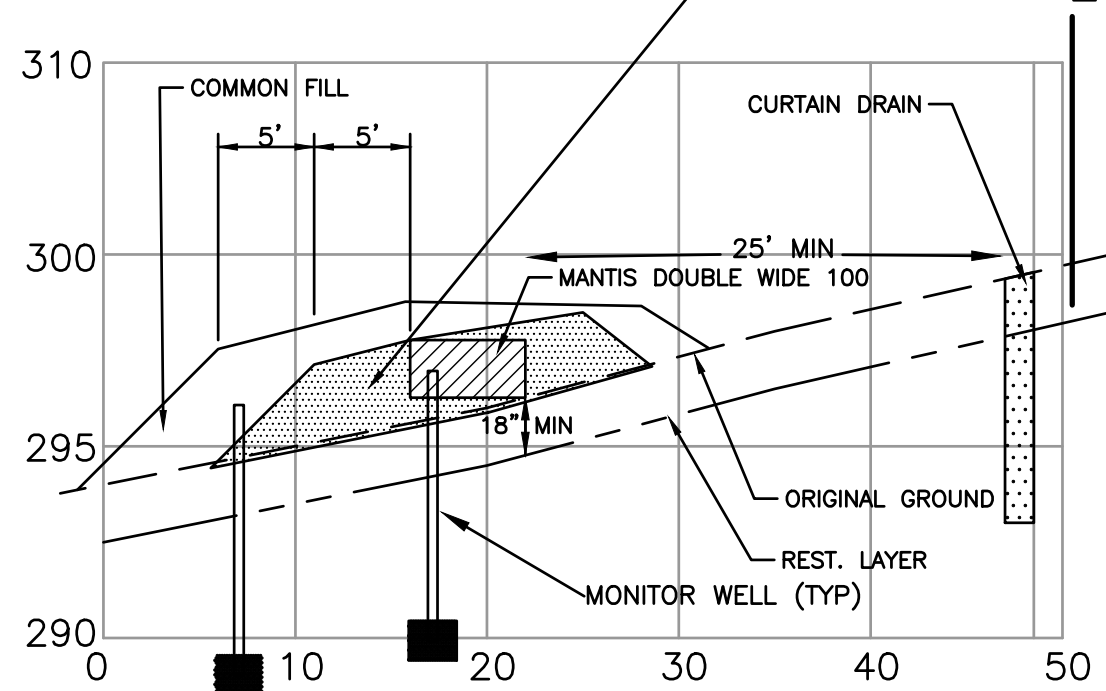
NOTE: VENTING REQUIRED WHEN MORE THAN 18" OF COVER AS MEASURED FROM THE TOP OF THE UNIT TO FINISHED GRADE

**PUMP CYCLE CALCULATIONS**  
 11 UNITS X 30 = 3300 GAL/CYCLE MAXIMUM  
 PUMP CYCLE TO BE SET AT 100-120 GAL



- NOTES:
- PUMP CHAMBER TO BE WATER TIGHT UNIT. THE UNIT WILL BE TESTED AND INSPECTED PRIOR TO BACKFILLING.
  - CHAMBER TO BE EQUIPPED WITH AN EFFLUENT PUMP CAPABLE OF PUMPING 30 GPM AT 20' HEAD. SUBMIT PUMP DATA FOR REVIEW PRIOR TO INSTALLATION.
  - PUMP TO BE SET 6 INCHES OFF THE BOTTOM. FLOAT SWITCHES WILL BE ADJUSTED FOR 100 - 120 GAL CYCLES.
  - ALL ELECTRICAL CONNECTIONS WILL BE MADE IN A WATER TIGHT BOX ABOVE GROUND.
  - PUMP CHAMBER TO BE EQUIPPED WITH HIGH LEVEL ALARM W/ BELL LOCATED INSIDE HOUSE.
  - IF SELF PRIMING PUMP IS NOT USED ADD A 1/2" MAX. DIA. WEEP HOLE TO OUTPUT LINE BETWEEN CHECK VALVE AND FIELD TO ALLOW PRESSURE LINE TO DRAIN BACK INTO TANK.
  - ANY CHANGES TO THE ABOVE TO BE REVIEWED WITH THE HEALTH DEPARTMENT/ENGINEER PRIOR TO INSTALLATION.

- 5'x5' RIP-RAP SPLASH PAD
- DETECTION SYSTEM x12 CULTEC 280HD UNITS  
 INV. IN=285.0  
 BOTTOM STONE=282.5  
 BOTTOM UNITS=283.0  
 TOP STONE=286.2  
 TOP UNITS=285.2  
 OUTLET=285.0
- INSTALL DOUBLE SILT FENCE WITH HAY WATTLE (SEE DETAIL)
- INSTALL ROW OF TREES AND BUILT BERM TO GRADE TO DRAIN
- AREA DRAIN TF=286.7
- 138SF WETLAND DISTURBANCE MITIGATION TO BE PROPOSED TO IWC
- 30 LF 4" PVC SCH 40 SOIL LINE
- 1500 GALLON SEPTIC TANK TO BE 25' MIN. FROM ALL DRAINS  
 ALL SEPTIC TANKS SHALL HAVE TWO COMPARTMENTS, BE WATERTIGHT WITH EFFLUENT FILTER AT OUTLET AND MEET ASTM C1227. ALL INSPECTION MANHOLES SHALL BE LOCATED AT A DEPTH NOT GREATER THAN 12" BELOW FINISHED LANDSCAPED GRADE.
- 5'x5' RIP-RAP SPLASH PAD



SYSTEM DETAILS	
No.	Inv. Elev.
①	288.25
②	287.5
③	287.25
No. Elev bottom sys	
④	296.3

\* overflow invert to lower trench to be set at elev. of top of trench/unit

**LEGEND**

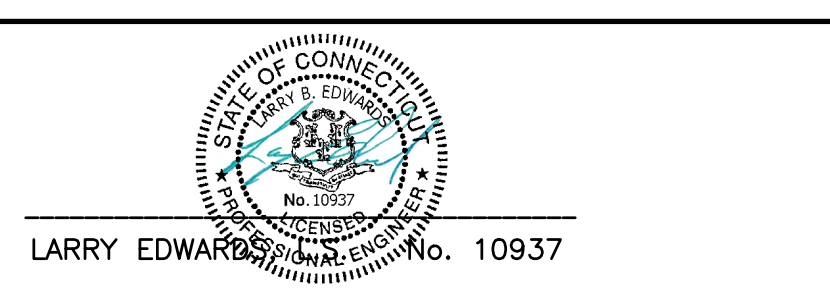
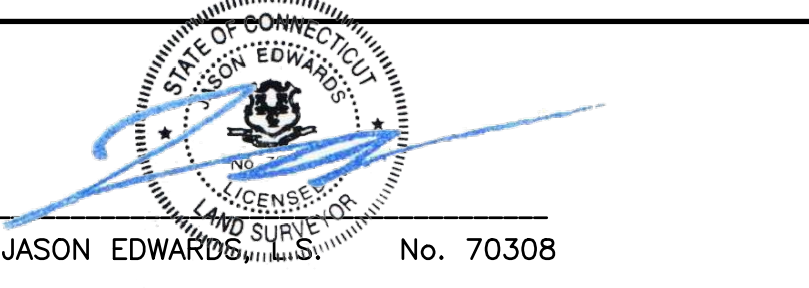
- = EXISTING CONTOUR
- - - = PROPOSED CONTOUR
- △ = DEEP TEST PIT
- ⊕ = PERCOLATION TEST
- = FILTER FABRIC FENCE
- = ANTI-TRACKING APRON
- BSL = BUILDING SETBACK LINE

Client: **ROGERS**  
 Date: 8/20/24  
 9/12/24 rev.  
 10/7/24 rev.  
 Scale: 1"=30'  
 Design: LE  
 Drawn: IE  
 Chkd: JE  
 File # 3007-32

**PROPOSED SITE IMPROVEMENT PLAN**  
 PREPARED FOR  
**JON ROGERS**  
 32 KETTLE CREEK ROAD  
 WESTON, CONNECTICUT

J. EDWARDS & ASSOCIATES, LLC  
 Engineering and Surveying  
 227 Stepney Road  
 Easton, CT 06812  
 (203) 268-4205  
 www.jedwardsassoc.com

I HEREBY CERTIFY THAT THE PERCOLATION TEST(S) SHOWN HEREON WERE CONDUCTED IN CONFORMANCE WITH ALL CURRENT STATE REGULATIONS UNLESS OTHERWISE NOTED HEREON.



SEE SHEET 2 OF 2 FOR EROSION CONTROL NOTES AND DETAILS.

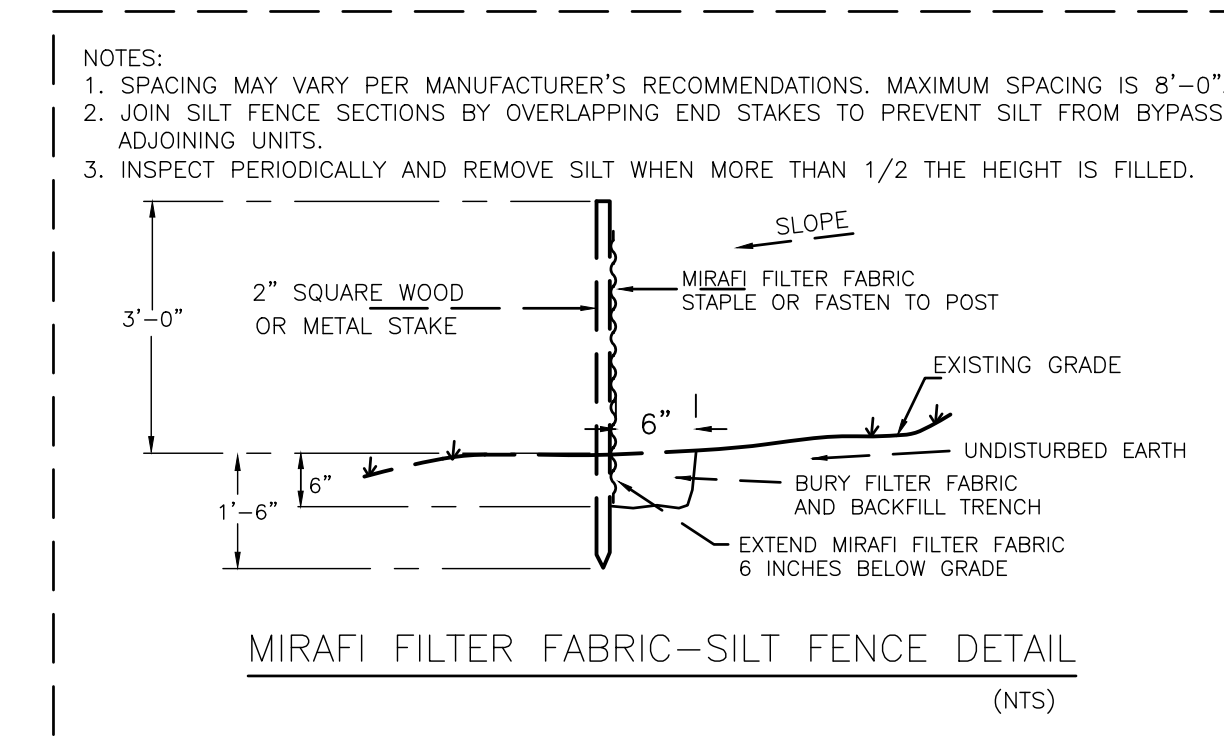
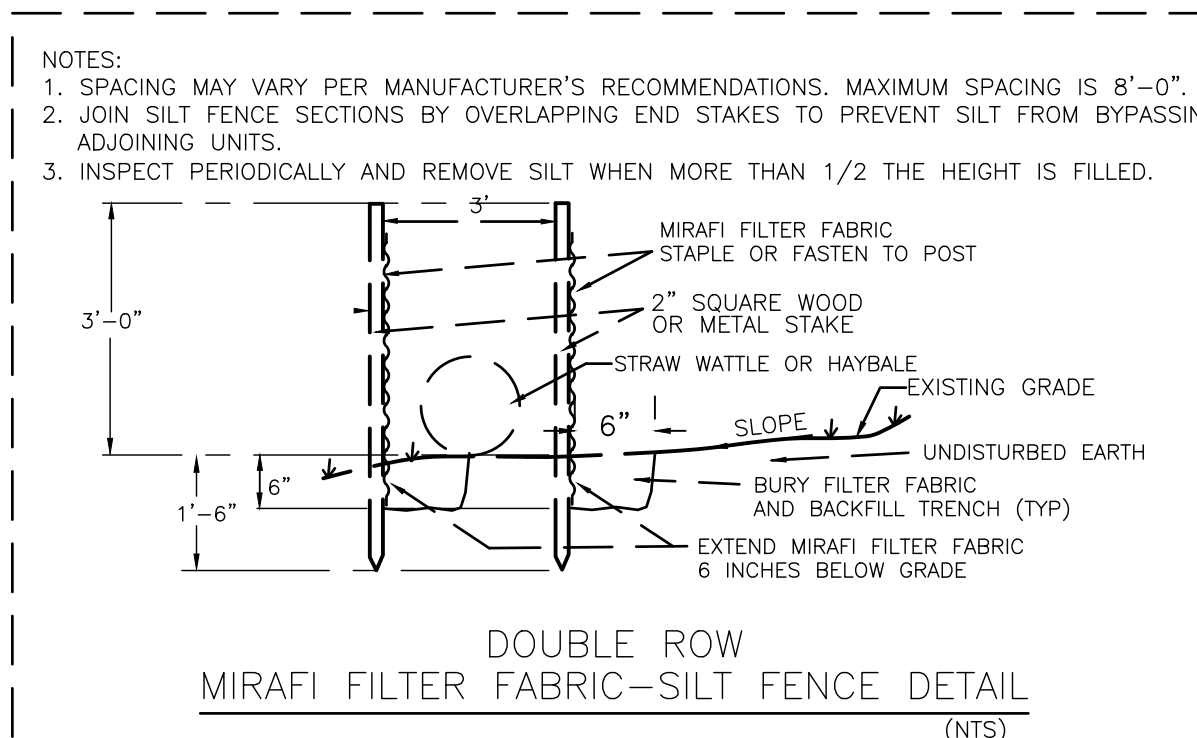
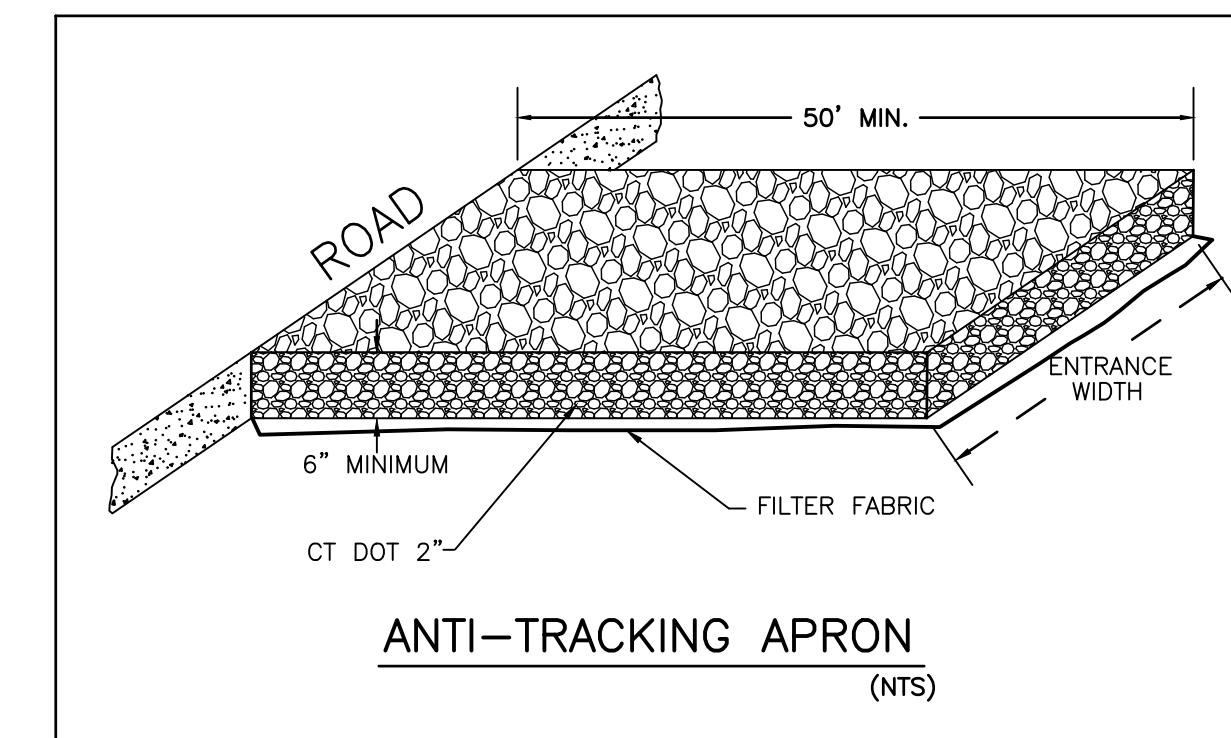
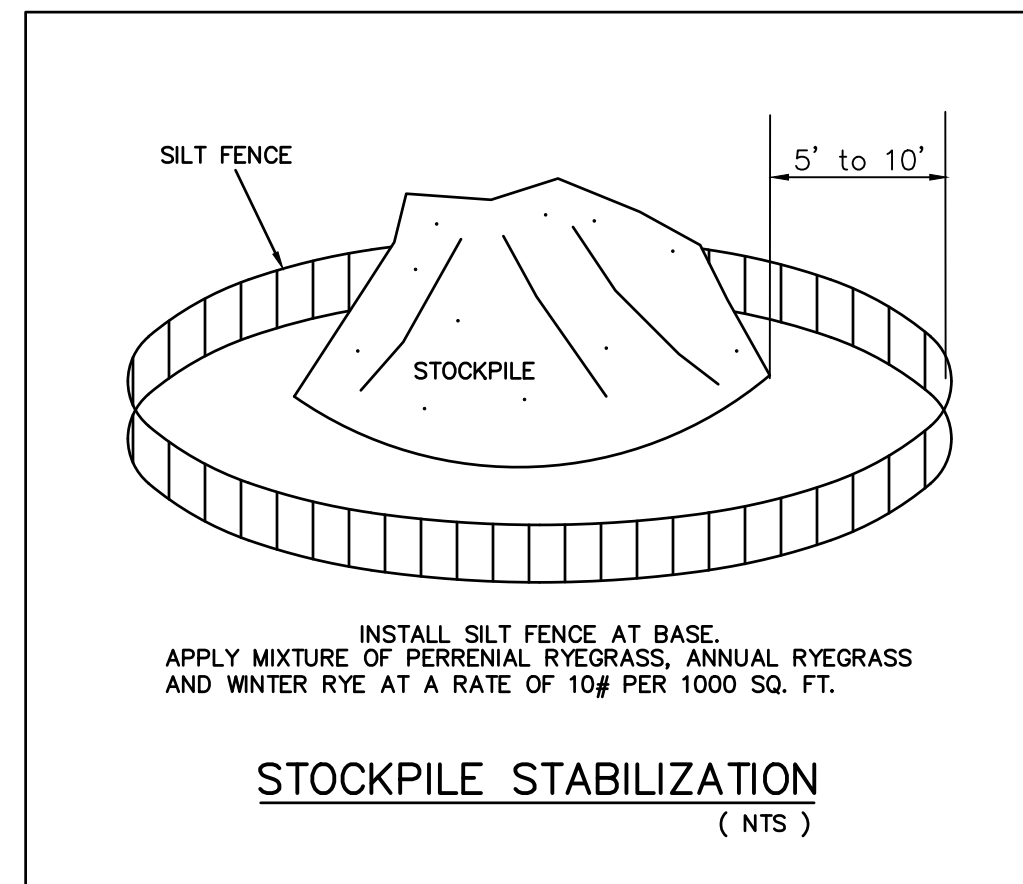
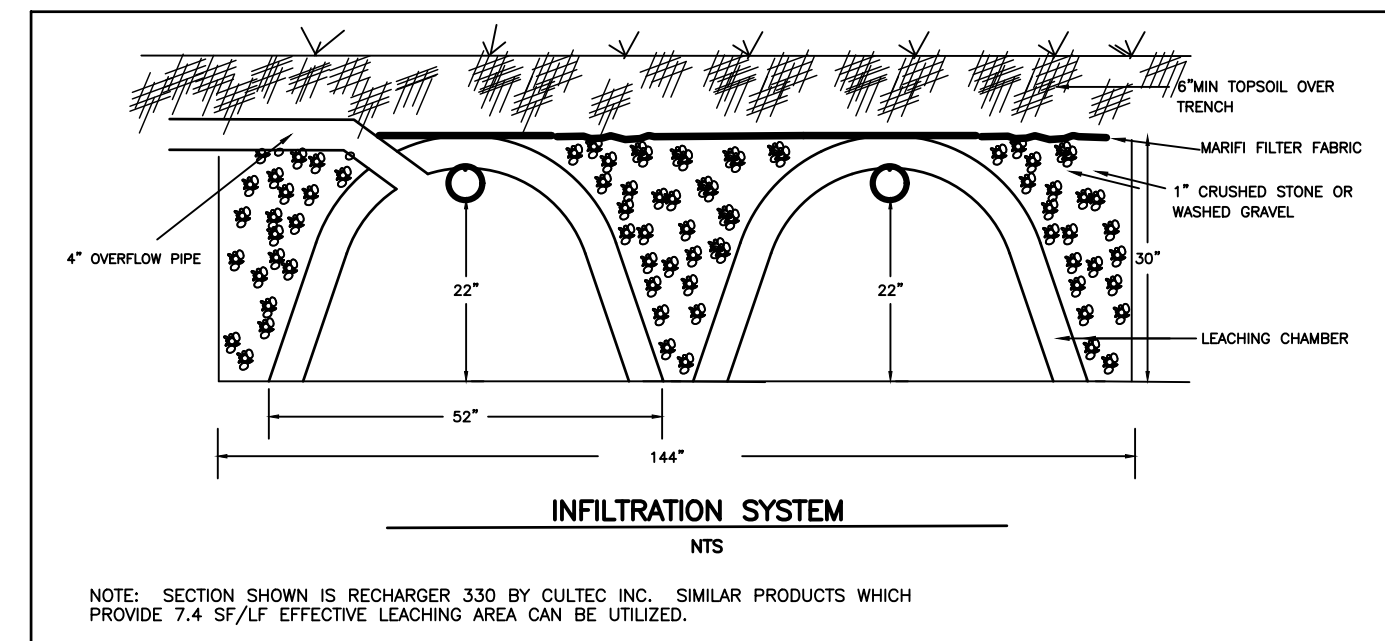


**GENERAL EROSION CONTROL NOTES:**

1. A MINIMUM OF 4" OF TOPSOIL MUST BE PLACED ON ALL DISTURBED AREAS.
2. ALL WASTE MATERIAL INCLUDING WASTEWATER, SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL LAW. LITTER SHALL BE PICKED UP AT THE END OF EACH WORKING DAY.
3. E&S CONTROLS SHALL BE INSPECTED AT LEAST ONCE PER WEEK AND WITHIN 24 HOURS AFTER A RAINFALL EVENT OF GREATER THAN 1 INCH.
4. ACCUMULATED SEDIMENT SHALL BE REMOVED AS REQUIRED TO KEEP SILT FENCES FUNCTIONAL. IN ALL CASES, DEPOSITS SHALL BE REMOVED WHEN ACCUMULATED SEDIMENT HAS REACHED ONE-HALF ABOVE THE GROUND HEIGHT OF THE FENCE.
5. ALL SOIL STABILIZATION SHALL BE COMPLETED WITHIN FIVE (5) DAYS OF CLEARING OR INACTIVITY IN CONSTRUCTION.
6. THE BUILDER SHALL PRACTICE EFFECTIVE DUST CONTROL PER SOIL CONSERVATION HANDBOOK DURING CONSTRUCTION AND UNTIL ALL AREAS ARE STABILIZED OR SURFACE TREATED. THE DEVELOPER SHALL BE RESPONSIBLE FOR CLEANING OF NEARBY STREETS, AS ORDERED BY THE TOWN, OF ANY DEBRIS FROM THESE CONSTRUCTION ACTIVITIES.
7. IF SEEDING OR OTHER VEGETATIVE EROSION CONTROL METHOD IS USED, IT SHALL BECOME ESTABLISHED WITHIN TWO WEEKS OR THE TOWN MAY REQUIRE THE SITE TO BE RESEED OR A NONVEGETATIVE OPTION TO BE EMPLOYED.
8. SOIL STOCKPILES MUST BE STABILIZED AS PER THE LATEST EDITION OF THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.
9. ALL DISTURBED AREAS TO BE SEED WITH NEW ENGLAND CONSERVATION/WILDLIFE MIX UNLESS OTHERWISE SPECIFIED ON PLANS.

**CONSTRUCTION SEQUENCE**

1. PRIOR TO STARTING ANY CONSTRUCTION ON THE SITE, ASSURE THAT ALL REQUIRED PERMITS HAVE BEEN OBTAINED AND ARE CURRENT.
2. CONTACT SITE LAND SURVEYOR AND HAVE ALL LIMITS OF CONSTRUCTION CLEARLY MARKED FOR CLEARING. CLEARLY MARK ANY TREES WHICH ARE TO BE PROTECTED.
3. CONTACT CALL BEFORE YOU DIG AT 800-922-4455 TO MARK ALL EXISTING UTILITIES ON THE SITE.
4. PRIOR TO STARTING ANY CONSTRUCTION ON THE SITE HOLD A PRE-CONSTRUCTION MEETING AT THE SITE. MEETING TO INCLUDE ALL CONTRACTORS, SITE ENGINEER, TOWN WETLANDS AND EROSION CONTROL OFFICER AND ANY DESIGNATED SITE MONITOR.
5. CLEAR SITE TO LIMITS MARKED BY THE SURVEYOR. REMOVE ALL CUT MATERIALS FROM SITE BEFORE STARTING ANY OTHER SITE CONSTRUCTION.
6. INSTALL ANTI TRACKING APRON.
7. INSTALL DOUBLE SILT FENCE WITH STRAW WATTLE ALONG WETLAND LIMITS OF CONSTRUCTION.
8. INSTALL FENCE ALONG REMAINING LIMITS OF CONSTRUCTION.
9. STUMP SITE AND REMOVE STUMPS TO APPROVED DISPOSAL OR RECYCLING SITE.
10. STRIP USABLE TOPSOIL FROM CONSTRUCTION AREA AND STOCKPILE IN DESIGNATED AREA. STABILIZE PILES AND INSTALL PERIMETER SILT FENCES.
11. INSTALL PROPERTY LINE TREES AND BERM.
12. ROUGH IN DRIVEWAY.
13. CONSTRUCT HOUSE FOUNDATION.
14. INSTALL UNDERGROUND DRAINAGE FACILITIES AND SEPTIC SYSTEM.
15. INSTALL SITE UTILITIES.
16. INSTALL DRIVEWAY SUBBASE.
17. LOAM, SEED AND MULCH ALL REMAINING DISTURBED AREA.
18. COMPLETE HOUSE CONSTRUCTION.
19. COMPLETE DRIVEWAY.
20. LOAM, SEED AND MULCH ALL REMAINING AREAS.
21. WHEN WHEN SITE IS TOTALLY STABILIZED, REMOVE REMAINING EROSION CONTROLS.



<p style="text-align: center;"><b>LEGEND</b></p> <p>— = EXISTING CONTOUR</p> <p>- - - = PROPOSED CONTOUR</p> <p>△ = DEEP TEST PIT</p> <p>⊕ = PERCOLATION TEST</p> <p>— = FILTER FABRIC FENCE</p> <p>⊗ = ANTI-TRACKING APRON</p> <p>—BSL— = BUILDING SETBACK LINE</p>	Client: <b>ROGERS</b>
	Date: <b>8/20/24</b> <b>9/12/24 rev.</b> <b>10/7/24 rev.</b>
	Scale: <b>1"=30'</b>
	Design: <b>LE</b>
	Drawn: <b>IE</b>
	Chkd: <b>JE</b> File # <b>3007-32</b>

**SITE IMPROVEMENT  
NOTES AND DETAILS**

PREPARED FOR  
**JON ROGERS**  
**32 KETTLE CREEK ROAD**  
**WESTON, CONNECTICUT**

0 30' 60' 90'

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