CODE COMPLYING SEWAGE DISPOSAL SYSTEM AREA FOR A 6 BEDROOM DWELLING AND A 1 MULTI FAMILY BEDROOM ACCESSORY DWELLING UNIT

DESIGN INFORMATION:

NUMBER OF BEDROOMS = 6 RESIDENTIAL & 1 MULTI FAMILY
WATER SUPPLY = PRIVATE
CONSERVATIVE PERC. RATE = 1" IN 20 MINUTES
REQUIRED LEACHING AREA = 1,200 S.F.

LEACHING AREA PROVIDED:

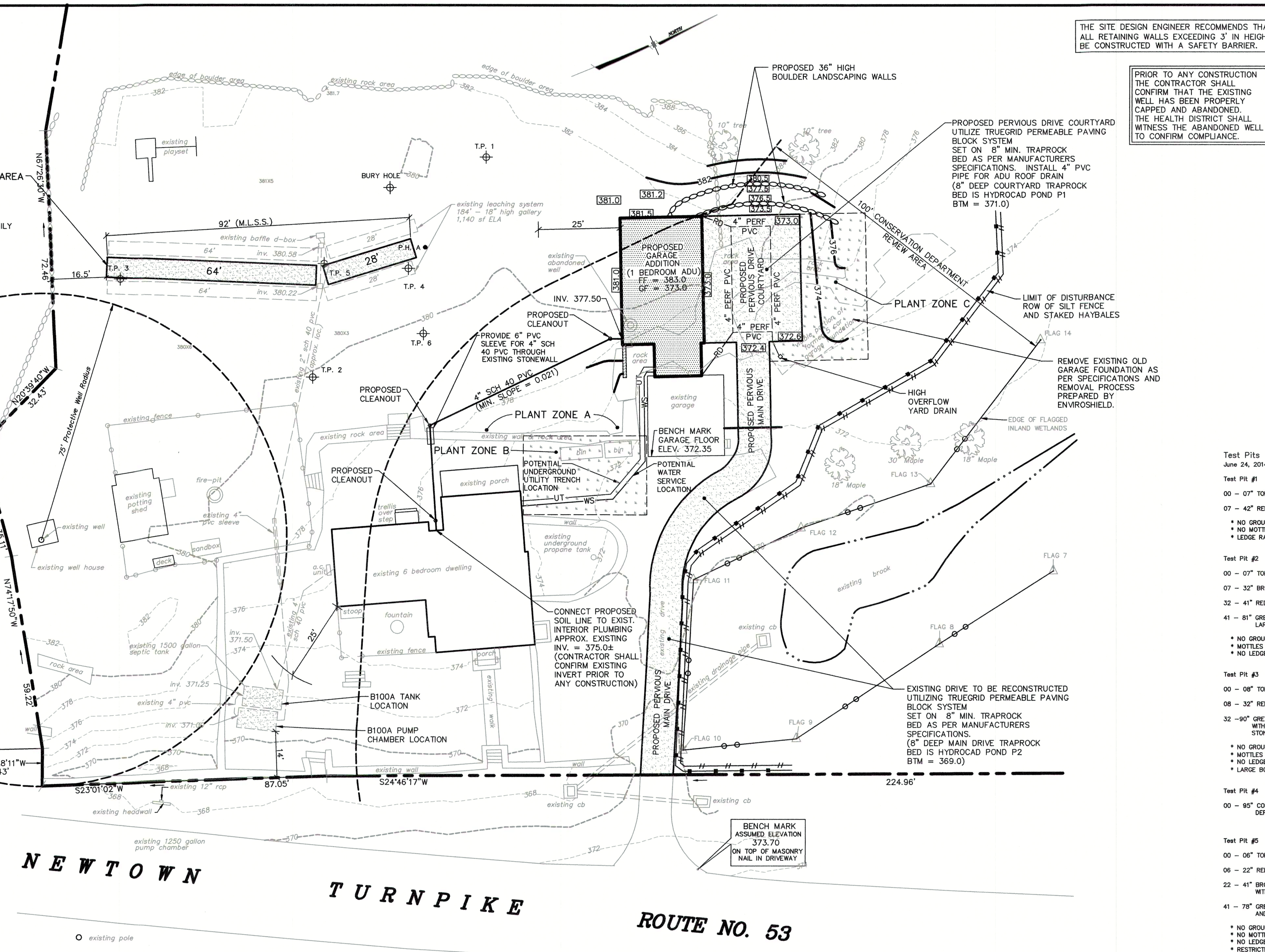
92 L.F.–GREENLEACH FILTER (GLF 18–72) = 1,297.2 S.F OF EFFECTIVE LEACHING AREA. FUTURE INSTALLATION OF THIS CODE COMPLYING SEWAGE DISPOSAL SYSTEM WILL REQUIRE A SELECT FILL PACKAGE

MINIMUM LEACHING SYSTEM SPREAD

MINIMUM LEACHING SYSTEM SPREAD = 82.5'
PROPOSED LEACHING SYSTEM SPREAD = 92'

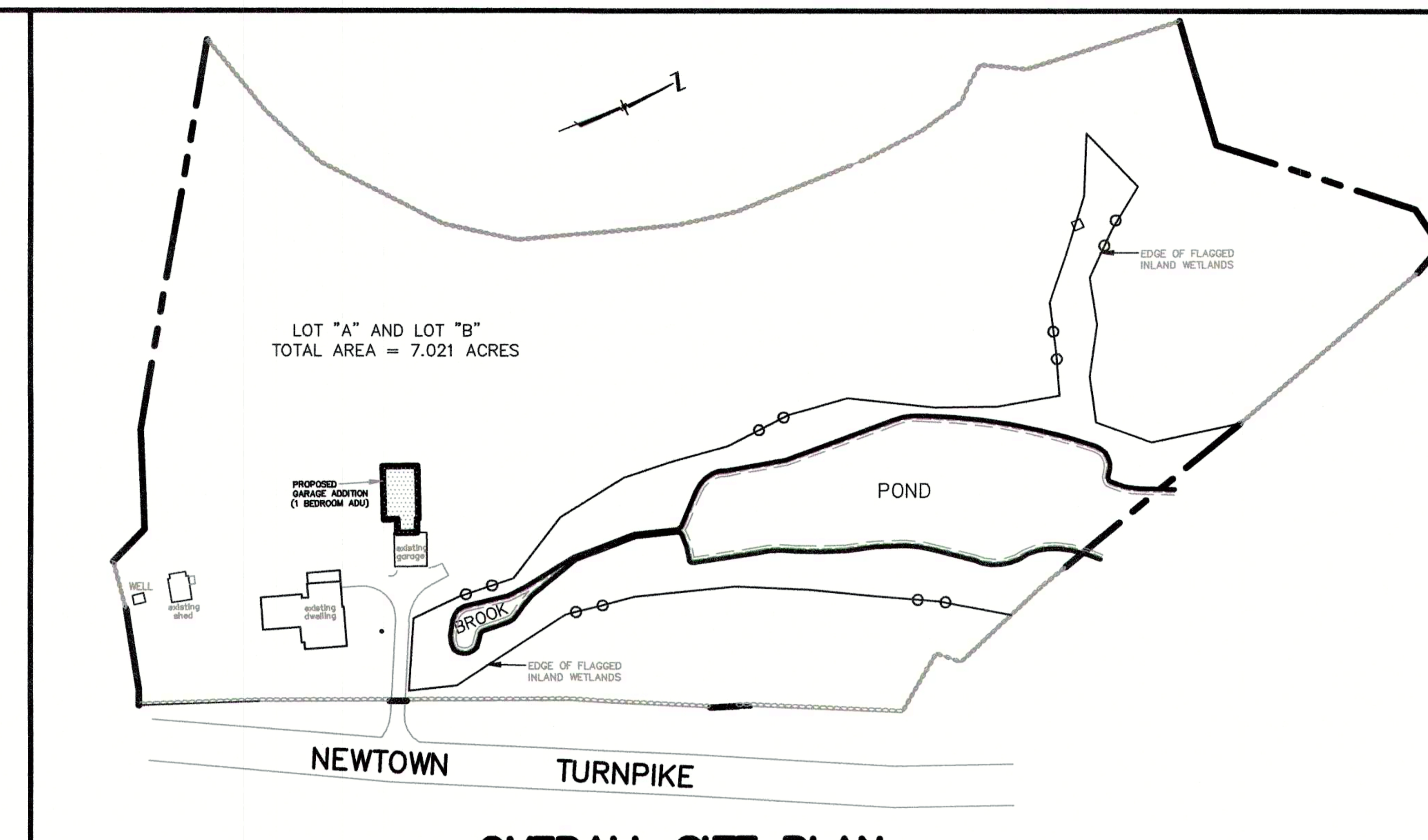
THE SITE DESIGN ENGINEER RECOMMENDS THAT ALL RETAINING WALLS EXCEEDING 3' IN HEIGHT BE CONSTRUCTED WITH A SAFETY BARRIER.

PRIOR TO ANY CONSTRUCTION THE CONTRACTOR SHALL CONFIRM THAT THE EXISTING WELL HAS BEEN PROPERLY CAPPED AND ABANDONED. THE HEALTH DISTRICT SHALL WITNESS THE ABANDONED WELL TO CONFIRM COMPLIANCE.



PARTIAL SITE PLAN

SCALE: 1"= 20'



OVERALL SITE PLAN

SCALE: 1"= 100'

LEGEND

EXISTING		PROPOSED
------162------	CONTOURS	——162——
— — —	PROPERTY LINE	— — —
	WETLAND LINE	
	WATERCOURSE	
	STRUCTURE	
	STONE WALL	
	EDGE OF PAVEMENT	
4" pvc	SAN. OR STORM SEWER PIPE	4" PVC
	FILTER FABRIC FENCE	
	MUD TRACKING BED	
T.P. 1	TEST PIT	
P.H. 1	PERCOLATION TEST	
158.6±	SPOT ELEVATION	163.0

Test Pits
June 24, 2014

Test Pit #1

00 – 07" TOPSOIL

07 – 42" RED/BROWN SILT LOAM WITH ROOTS

* NO GROUND WATER
* NO MOTTLING
* LEDGE RANGED FROM 27" – 42"

Test Pit #2

00 – 07" TOPSOIL

07 – 32" BROWN SILTY LOAM

32 – 41" RED/BROWN SILT

41 – 81" GREY COMPACT SILT WITH FINE SAND LARGE STONE THROUGHOUT

* NO GROUND WATER
* MOTTLES AT 41"
* NO LEDGE

Test Pit #3

00 – 08" TOPSOIL

08 – 32" RED/BROWN SILT LOAM

32 –90" GREY/BROWN MODERATELY COMPACT SILT WITH SOME FINE SAND; MEDIUM TO LARGE STONE THROUGHOUT

* NO GROUND WATER
* MOTTLES AT 41"
* NO LEDGE
* LARGE BOULDER AT 90"

Test Pit #4

00 – 95" CONFIRMATION TEST PIT FOR DEPTH DETERMINATION ONLY

Test Pit #5

00 – 06" TOPSOIL

06 – 22" RED/BROWN SILTY LOAM

22 – 41" BROWN SILT MEDIUM COARSE SAND WITH STONE

41 – 78" GREY COMPACT SILT WITH SOME SAND AND STONE

* NO GROUND WATER
* NO MOTTLING
* NO LEDGE
* RESTRICTIVE LAYER AT 41" DUE TO COMPACTION

Test Pit #6

00 – 09" TOPSOIL

09 – 43" RED/BROWN SILTY LOAM WITH ROOTS

43 – 88" BROWN SAND AND SILT WITH STONE

* NO GROUND WATER
* NO MOTTLING
* NO LEDGE
* ROOTS TO 43"

MINIMUM LEACHING SYSTEM SPREAD (M.L.S.S.)

M.L.S.S. FORMULA:

M.L.S.S. (IN FEET) = HF X FF X PF.

SLOPE
a–a: 381.4–380.6/34 = 2.3%
b–b: 381.5–380.0/60 = 2.5%
c–c: 381.7–380.0/66 = 2.6%

AVERAGE SLOPE = 2.46%

RESTRICTIVE LAYER = 41" (AVERAGE RESTRICTIVE LAYER)

PERCOLATION RATE: 1" IN 10 MINUTES

THEREFORE:

HF = 30 (HYDRAULIC FACTOR)

FF = 2.75 (FLOW FACTOR)

PF = 1.0 (PERCOLATION FACTOR)

M.L.S.S. = 30 X 2.75 X 1.0 = 82.5'

PROPOSED LEACHING SYSTEM SPREAD = 92'

GENERAL CONSTRUCTION NOTES:

1. ALL SITE CONSTRUCTION SHALL CONFORM TO THE TOWN OF WESTON STANDARDS SPECIFICATION. IN THE ABSENCE OF THE TOWN OF WESTON STANDARDS, REFER TO THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 814A, 1995.
2. SUBSURFACE STRUCTURES AND UTILITIES HAVE BEEN DETERMINED FROM EXISTING RECORDS AND ARE NOT GUARANTEED TO BE COMPLETE OR ACCURATE. INITIAL DETERMINATION OF UTILITY LOCATIONS SHALL INCLUDE BUT IS NOT LIMITED TO CONTACTING "CALL BEFORE YOU DIG". TO AVOID CONFLICT OF THE PROPOSED WORK AND EXISTING UTILITIES, THE CONTRACTOR SHALL LOCATE EXISTING UTILITIES BY EXCAVATING TEST HOLES. SHOULD THE CONTRACTOR DETERMINE THAT A CONFLICT EXISTS. HE SHALL PROMPTLY NOTIFY THE ENGINEER WHO WILL MAKE THE NECESSARY DESIGN ADJUSTMENTS.
3. ALL UTILITIES SHALL BE PLACED UNDERGROUND AND SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF THE APPROPRIATE UTILITY COMPANY STANDARDS.
4. THERE ARE NO WELLS WITHIN 75' OF THE PROPOSED SEWAGE DISPOSAL SYSTEM ON ANY OF THE ADJACENT PROPERTIES.

SEWAGE DISPOSAL SYSTEM ALTERATION NOTES:

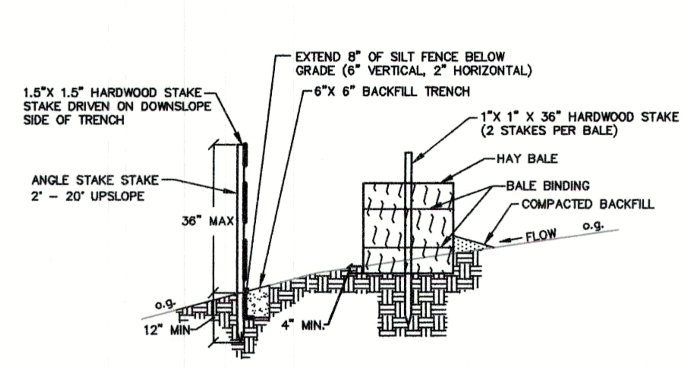
1. THE PROPOSED SEWAGE DISPOSAL SYSTEM SHALL CONFORM TO SECTIONS 19–13–B103A TO 19–13–B103F OF THE CONNECTICUT STATE HEALTH CODE.
2. THE EXISTING STRUCTURE IS A 6 BEDROOM DWELLING AND THE DETACHED GARAGE ADDITION (ADU) SHALL CONTAIN 1 BEDROOM.
3. THE DWELLING IS SERVICED BY PUBLIC WATER SUPPLY.
4. THE PROPOSED SOIL LINE SHALL BE 4" SCHEDULE 40 PVC PIPE (ASTM–D–1785) WITH RUBBER GASKET JOINTS. SOIL LINE SHALL BE SET AT A MINIMUM SLOPE OF 1/4"/FT.
5. EXISTING CONDITIONS INFORMATION TAKEN FROM A MAP PREPARED FOR JUSTIN A. AND GILLIAN J. DONOVAN PREPARED BY LEONARD SURVEYORS, LLC; WESTPORT, CT. DATED: JANUARY 3, 2025; REVISED: MARCH 27, 2025.
6. THIS DESIGN CONFORMS TO APPLICABLE CODES AND ACCEPTED PRACTICE. NO OTHER WARRANTY IS EXPRESSED OR IMPLIED.

PERCOLATION TEST RESULTS
June 24, 2014
PERC HOLE #A
HOLE DEPTH = 26.0"

TIME	READING	DROP IN INCHES	PERC. RATE
10:35	3.50"	Refill	
10:45	10.25"	6.75"	
10:55	12.00"	1.75"	
11:05	14.00"	2.00"	
11:15	16.00"	2.00"	
11:25	17.00"	1.00"	
11:35	18.00"	1.00"	1" in 10.0 MIN.

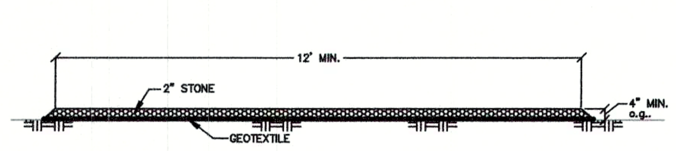
SEDIMENTATION AND EROSION CONTROL NOTES:

1. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL."
2. ALL LAND DISTURBANCE SHALL BE KEPT TO A MINIMUM; RESTABILIZATION SHALL BE SCHEDULED AS SOON AS PRACTICAL.
3. EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED PRIOR TO CONSTRUCTION WHENEVER POSSIBLE.
4. ALL CONTROL MEASURES WILL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
5. ADDITIONAL CONTROL MEASURES WILL BE INSTALLED DURING THE CONSTRUCTION PERIOD, IF NECESSARY OR REQUIRED.
6. THE OWNER IS ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, NOTIFYING THE WESTON CONSERVATION COMMISSION OF ANY TRANSFER OF THIS RESPONSIBILITY, AND FOR CONVEYING A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED.
7. ALL SEDIMENT REMOVED FROM CONTROL STRUCTURES WILL BE DISPOSED OF IN A MANNER WHICH IS CONSISTENT WITH THE INTENT OF THE PLAN.
8. FOR EROSION AND SILTATION CONTROL, HAYBALE FILTERS WILL BE INSTALLED AROUND ALL STOCKPILES OF FILL MATERIALS; OR AS DIRECTED BY THE WESTON CONSERVATION COMMISSION.
9. ONCE STOCKPILES ARE IN PLACE THEY SHALL BE SEEDED TO PREVENT EROSION.
10. THE CONTRACTOR SHALL KEEP ALL PUBLIC ROADWAYS CLEAN AND CLEAR OF ALL MUD DURING CONSTRUCTION AND SHALL IMPLEMENT WHATEVER MEASURES DIRECTED BY THE TOWN OF WESTON. SUCH MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO, THE CONSTRUCTION OF MUD TRACKING BEDS 4" DEEP WHERE SHOWN ON PLAN OR DIRECTED BY THE TOWN OF WESTON.



TYPICAL SILT FENCE / HAY BALE

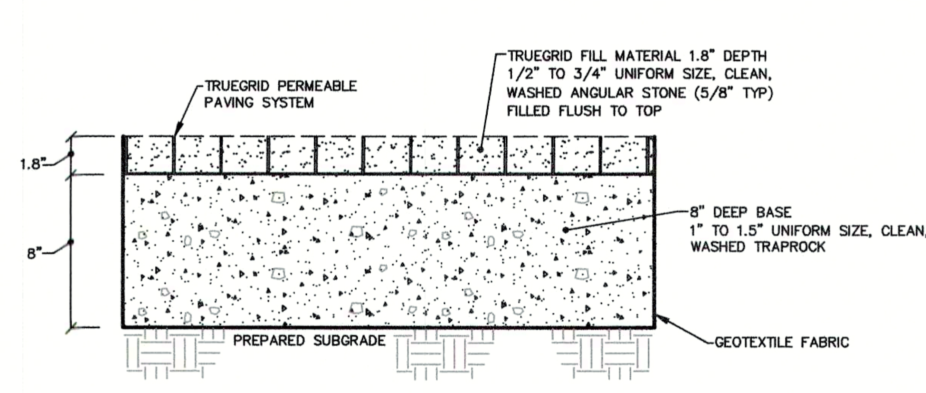
NO SCALE



TYPICAL MUD TRACKING BED

NO SCALE

EXISTING UTILITY LOCATIONS ARE NOT GUARANTEED, CONTRACTOR SHALL NOTIFY CALL BEFORE YOU DIG PRIOR TO ANY EXCAVATION.



*TRUEGRID PERMEABLE PAVING BLOCK SYSTEM SHALL BE INSTALLED AS PER THE MANUFACTURERS SPECIFICATIONS.

TRUEGRID PERMEABLE PAVING DETAIL

NO SCALE

NICHOLAS A. MARIANI, P.E. CT REG. NO. 29991

NOT FOR CONSTRUCTION
FOR REVIEW AND APPROVAL BY PUBLIC AGENCIES ONLY

JUSTIN & GILLIAN DONOVAN
446 NEWTOWN TURNPIKE, WESTON, CT

SITE IMPROVEMENTS PLAN FOR A PROPOSED ACCESSORY DWELLING UNIT AND DRIVE EXPANSION

SITE PLAN, DETAILS & NOTES

DATE: 11/4/25
SCALE: AS NOTED
PROJECT NO.: 30492
SHEET NO: 1 of 1

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