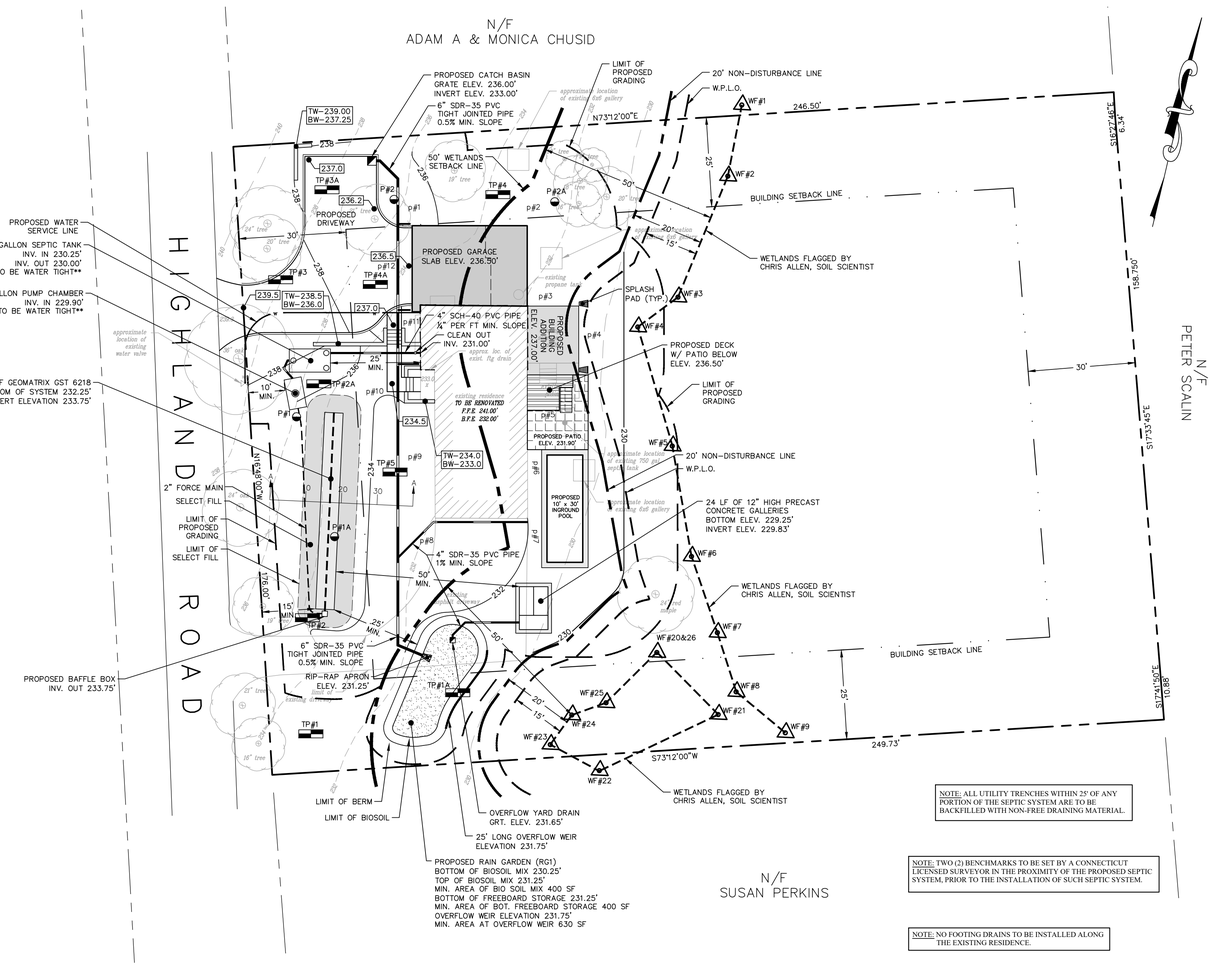
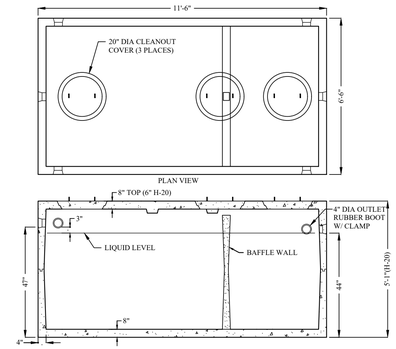


NOTE: ALL UTILITY TRENCHES WITHIN 25' OF ANY PORTION OF THE SEPTIC SYSTEM ARE TO BE BACKFILLED WITH NON-FREE DRAINING MATERIAL.

NOTE: TWO (2) BENCHMARKS TO BE SET BY A CONNECTICUT LICENSED SURVEYOR IN THE PROXIMITY OF THE PROPOSED SEPTIC SYSTEM, PRIOR TO THE INSTALLATION OF SUCH SEPTIC SYSTEM.

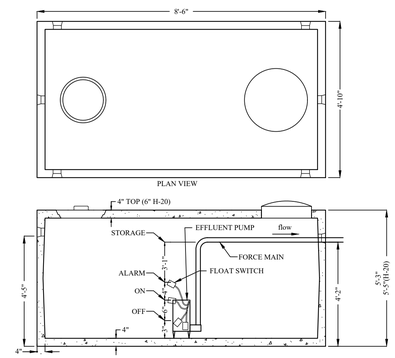
NOTE: NO FOOTING DRAINS TO BE INSTALLED ALONG THE EXISTING RESIDENCE.



NOTES:
1. CONCRETE 4,000 PSI MINIMUM STRENGTH AFTER 28 DAYS
2. DESIGN CONFORMS WITH 310 CMR. 15.00, DEP TITLE 5 REGS, FOR SEPTIC TANKS
3. ALL REINFORCEMENT PER ASTM C1227
4. TONGUE & GROOVE JOINT SEALED WITH BUTYL RESIN
5. TANKS ALSO AVAILABLE IN H-20 LOADING

1250 GALLON SEPTIC TANK

N.T.S.



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5. TANKS ALSO AVAILABLE IN H-20 LOADING

1000 GALLON PUMP CHAMBER

N.T.S.

DEEP TEST PIT LOG
DATE CONDUCTED: MAY 01, 2015

TEST PIT #1
00-10" TOPSOIL
10-20" RED BROWN FINE SANDY LOAM
20-44" YELLOW BROWN FINE SANDY LOAM
44-82" MOTTLED OLIVE BROWN STONY FINE SANDY LOAM
*MOTTLES @ 44"
*GROUND WATER @ 44"
*NO LEDGE
*ROOTS TO 44"

TEST PIT #2
00-10" TOPSOIL
10-24" RED BROWN FINE SANDY LOAM
24-40" YELLOW BROWN FINE SANDY LOAM
40-66" MOTTLED OLIVE BROWN STONY FINE SANDY LOAM WITH SOLT ROCK
*MOTTLES @ 40"
*GROUND WATER @ 51"
*LEDGE @ 66"
*ROOTS TO 40"

TEST PIT #3
00-07" TOPSOIL
07-24" RED BROWN FINE SANDY LOAM
24-96" OLIVE BROWN STONY FINE SANDY LOAM WITH SOFT ROCK
*MOTTLES @ 50"
*GROUND WATER @ 90"
*LEDGE @ 96"
*ROOTS TO 50"

TEST PIT #4
00-08" TOPSOIL
08-30" RED BROWN FINE SANDY LOAM
30-75" MOTTLED OLIVE BROWN STONY FINE SANDY LOAM
*MOTTLES @ 33"
*GROUND WATER @ 63"
*LEDGE @ 75"
*ROOTS TO 35"

TEST PIT #5
00-14" TOPSOIL
14-30" RED BROWN FINE SANDY LOAM
30-95" MOTTLED OLIVE BROWN STONY FINE SANDY LOAM
*MOTTLES @ 30"
*GROUND WATER @ 40"
*NO LEDGE
*ROOTS TO 30"

DEEP TEST PIT LOG
DATE CONDUCTED: DECEMBER 22, 2015

TEST PIT #6
00-2" TOPSOIL
02-10" YELLOW BROWN FINE SANDY LOAM
10-15" BURIED TOPSOIL
15-34" RED BROWN FINE SANDY LOAM
34-79" OLIVE BROWN STONY FINE SANDY LOAM
*MOTTLES @ 36"
*GROUND WATER @ 72"
*NO LEDGE
*ROOTS TO 36"

DEEP TEST PIT LOG
DATE CONDUCTED: DECEMBER 04, 2019

TEST PIT #1A
00-06" TOPSOIL
06-29" BROWN FINE SANDY LOAM
29-97" OLIVE BROWN MOTTLED FINE SANDY LOAM
*MOTTLES @ 24"
*GROUND WATER @ 36"
*NO LEDGE
*ROOTS TO 24"

TEST PIT #2A
00-07" TOPSOIL
07-29" RED BROWN FINE SANDY LOAM
29-57" YELLOW BROWN FINE SANDY LOAM
57-96" OLIVE BROWN STONY FINE SANDY LOAM WITH SOFT ROCK
*MOTTLES @ 44"
*GROUND WATER @ 57"
*NO LEDGE
*ROOTS TO 63"

TEST PIT #3A
00-10" TOPSOIL
10-39" RED BROWN FINE SANDY LOAM
39-94" FRACTURED BEDROCK
*NO MOTTLES
*NO GROUND WATER
*LEDGE @ 39"
*ROOTS TO 36"

TEST PIT #4A
00-06" TOPSOIL
06-40" RED BROWN FINE SANDY LOAM
40-86" OLIVE GRAY MOTTLED FINE SANDY LOAM
*MOTTLES @ 40"
*GROUND WATER @ 70"
*NO LEDGE
*ROOTS TO 40"

PERCOLATION TEST DATA:
P#1
DATE: MAY 01, 2015
DEPTH: 24" PRE SOAK TIME: 8:40

TIME	TIME INCREMENT	DEPTH TO WATER	DROP IN INCHES	PERC. RATE (MIN./INCH.)
10:20	-	7.75"	-	-
10:30	10.0 MIN.	13.75"	6.00"	1.67
10:40	10.0 MIN.	16.00"	2.25"	4.44
10:50	10.0 MIN.	18.00"	2.00"	5.00
11:00	10.0 MIN.	19.25"	1.00"	8.00
11:10	10.0 MIN.	20.25"	1.00"	10.00
11:20	10.0 MIN.	21.25"	1.00"	10.00

P#2
DATE: MAY 01, 2015
DEPTH: 23" PRE SOAK TIME: 8:40

TIME	TIME INCREMENT	DEPTH TO WATER	DROP IN INCHES	PERC. RATE (MIN./INCH.)
10:21	-	7.50"	-	-
10:31	10.0 MIN.	10.50"	3.00"	3.33
10:41	10.0 MIN.	12.13"	1.63"	6.15
10:51	10.0 MIN.	14.00"	1.88"	5.33
11:01	10.0 MIN.	15.25"	1.25"	8.00
11:11	10.0 MIN.	16.25"	1.00"	10.00
11:21	10.0 MIN.	17.00"	0.75"	13.33

PERCOLATION TEST DATA:
P#1A
DATE: DECEMBER 05, 2019
DEPTH: 30" PRE SOAK TIME: 1 HOUR

TIME	TIME INCREMENT	DEPTH TO WATER	DROP IN INCHES	PERC. RATE (MIN./INCH.)
9:05	-	3.25"	-	-
9:15	10.0 MIN.	7.75"	4.50"	2.22
9:25	10.0 MIN.	10.75"	3.00"	3.33
9:35	10.0 MIN.	13.00"	2.25"	4.44
9:45	10.0 MIN.	14.50"	1.50"	6.67
9:55	10.0 MIN.	15.50"	1.00"	10.00
10:05	10.0 MIN.	16.50"	1.00"	10.00

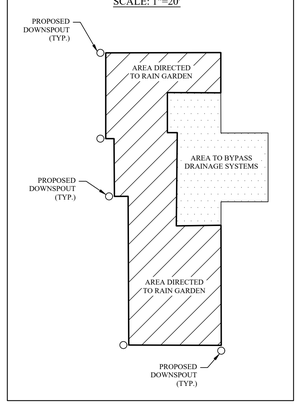
P#2A
DATE: DECEMBER 05, 2019
DEPTH: 30" PRE SOAK TIME: 1 HOUR

TIME	TIME INCREMENT	DEPTH TO WATER	DROP IN INCHES	PERC. RATE (MIN./INCH.)
9:08	-	5.50"	-	-
9:18	10.0 MIN.	9.25"	3.75"	2.67
9:28	10.0 MIN.	12.50"	3.25"	3.08
9:38	10.0 MIN.	15.00"	2.50"	4.00
9:48	10.0 MIN.	16.50"	1.50"	6.67
9:58	10.0 MIN.	17.75"	1.25"	8.00
10:08	10.0 MIN.	18.75"	1.00"	10.00

AVERAGE GRADE CALCULATIONS

POINTS	EXISTING	PROPOSED
1	236.0	236.5
2	233.0	233.0
3	232.0	232.0
4	230.5	231.0
5	231.0	231.9
6	231.0	232.0
7	231.0	232.0
8	232.0	233.0
9	232.5	233.5
10	233.0	234.0
11	234.0	237.0
12	235.0	236.7
TOTAL	2,791.0	2,802.6
AVERAGE	232.6	233.6

AREA ROUTING DIAGRAM
SCALE: 1"=20'



EXCAVATION & FILL CALCULATIONS [32-8.2.1(a)]

EXCAV.&FILL AMOUNT ALLOWED:
Lot Area*50%*Coverage*10'/27cf/cy
(43,645*50%*25%*10)/27 = 2,020cy
Actual Estimated Exc.&Fill = 335cy<2,060cy Allowed

MAXIMUM LOT AREA COVERAGE CALCULATION
FOR - #26 HIGHLAND ROAD (AAA ZONE)

Gross Lot Area:	43,645 sq.ft.
Easements:	00 sq.ft.
Wetlands:	22,970 sq.ft.
Steep Slopes:	00 sq.ft.
Base Lot Area:	25,269 sq.ft.

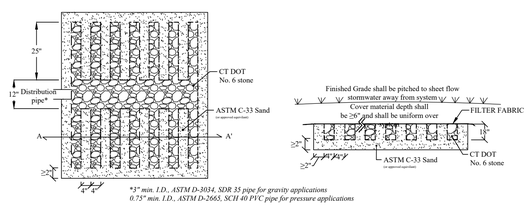
PROPOSED LOT COVERAGE:

Building:	2,700 sq.ft. (10.69%)
Driveway:	1,600 sq.ft.
Pool:	300 sq.ft.
TOTAL:	4,600 sq.ft (17.81%)

Total Coverage ALLOWED - (25,269x25%=6,317 sq.ft.)

SEPTIC DESIGN NOTES (GEMOATRIX GST 6218)

Proposed # of Bedrooms: 5
Percolation Rate: 1"/10 min. (Design Rate)
Effective Leaching Area Required: 660 sq. ft.
Effective Leaching Area Provided: (55LF)(14.0SF/LF)=770 SF
MLSS REQUIREMENTS:
RESTRICTIVE LAYER: [((TP#1+TP#2+TP#2A)/3)+((TP#5+TP#1A)/2)]/2
RESTRICTIVE LAYER: [((44"+40"+44")/2)+((30"+24")/2)]/2 = 34.8"
SLOPE = 6.1-8.0%
HYDRAULIC FACTOR: 26
PERCOLATION FACTOR: 1.0 (1"/10MIN)
FLOW FACTOR: 2.00 (5-BEDROOM DESIGN)
MLSS: 26x1.0x2.00 = 52
MLSS PROVIDED: 55LF



*3" min. I.D., ASTM D-3034, SDR 35 pipe for gravity applications
0.75" min. I.D., ASTM D-2665, SCH 40 PVC pipe for pressure applications

GEOMATRIX GST LEACHING SYSTEM
(GST 6218)
N.T.S.

DOSING CALULATION

GEOMATRIX GST 6212 = 13.84 Gal./LF
Total Storage = 13.84 Gal./Ft. x 55 Ft. = 761.2 Gal.
Max. Dose = 20% (761.2 Gal.) = 152.2 Gal./Dose
Pump Chamber Capacity = 244.1 Gal./V.F.
Allowable On/Off Depth = 152.2 Gal./ (244.1 Gal./VF)
Allowable On/Off Depth = 7.48"
Depth Specified = 6" = 122.1 Gal. < 152.2 Allowed.

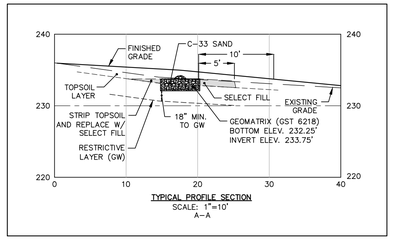
PUMP NOTES:
1. THE PROPOSED PUMP SHALL BE AS MANUFACTERED BY LIBERTY PUMPS MODEL 281 OR APPROVED EQUAL. SET PUMP DRAW-DOWN AT 6" TO PUMP 122± GALLONS PER CYCLE.

2. DISCHARGE FROM THE PUMP SHALL BE THROUGH A 2" POLYETHYLENE PLASTIC FLEXIBLE PRESSURE PIPE ASTM D2239. SET THAT ANY EFFLUENT IN THE PIPE DRAINS BACK TO THE PUMP CHAMBER WHEN THE PUMP CYCLE IS OFF.

3. THE PUMP SHALL BE EQUIPPED WITH A WARNING SYSTEM THAT SHALL BE VISIBLE AND AUDIBLE TO THE HOMEOWNER.

4. THE TESTING OF THE PUMP SHALL BE WITNESSED BY THE DESIGN ENGINEER AS WELL AS THE WESTPORT-WESTON HEALTH DISTRICT. THE INSTALLER IS RESPONSIBLE FOR INFORMING THE DESIGN ENGINEER AND THE WESTPORT-WESTON HEALTH DISTRICT FOR THE TESTING PROCEDURE

5. 24 HOUR STORAGE CALCULATION FOR THE PUMP CHAMBER: 5 BEDS @150GAL/BR=750 GAL. STORAGE REQUIRED. PROVIDED:302.5*3'-01"=752 GALLONS



REVISED: 07/06/2020 - Expanded rear addition and added second floor deck.

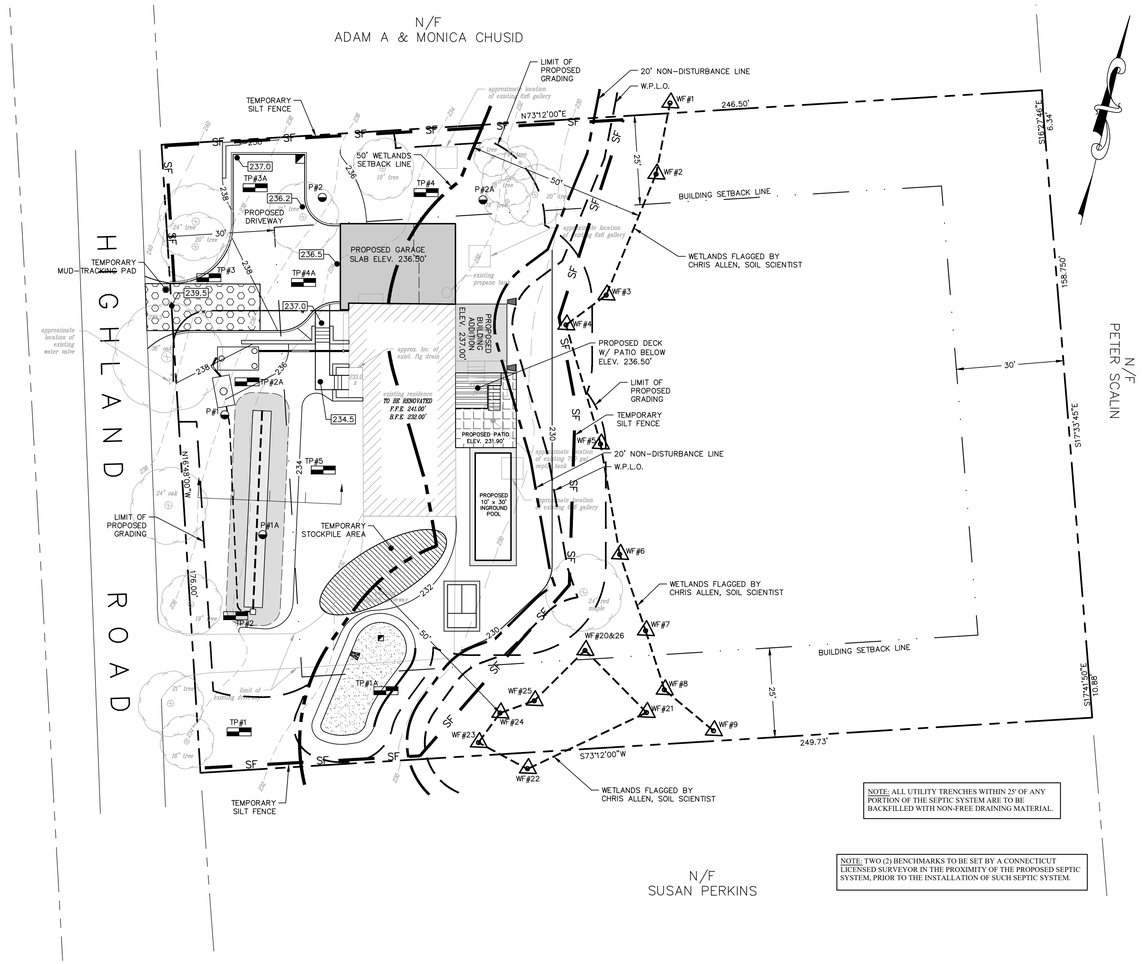
SITE DEVELOPMENT PLAN
26 HIGHLAND ROAD
WESTPORT, CT
Prepared for
PERKINS REAL ESTATE, LLC

STATE OF CONNECTICUT · JIM KOUSIDIS · LICENSED PROFESSIONAL ENGINEER

SCALE: 1" = 20' (0 20 40)

DATED: 06/30/2020
JOB NO.: PR20-1
SHEET NO: 1 of 2

KOUSIDIS ENGINEERING, LLC
Land Development Consultants and Site Design
10-B First Street, Norwalk, CT 06855
P: 203-557-8943 F: 203-557-8944
E: jim@kousidisengineering.com
Web: www.kousidisengineering.com



NOTE: ALL UTILITY TRENCHES WITHIN 25' OF ANY PORTION OF THE SEPTIC SYSTEM ARE TO BE BACKFILLED WITH NON-FREE DRAINING MATERIAL.

NOTE: TWO (2) BENCHMARKS TO BE SET BY A CONNECTICUT LICENSED SURVEYOR IN THE PROXIMITY OF THE PROPOSED SEPTIC SYSTEM, PRIOR TO THE INSTALLATION OF SUCH SEPTIC SYSTEM.

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DATE CONDUCTED: MAY 01, 2015

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*GROUND WATER @ 44"
*NO LEDGE
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PERCOLATION TEST DATA:
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DEPTH: 30" PRE SOAK TIME: 1 HOUR

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DATE: DECEMBER 05, 2019
DEPTH: 30" PRE SOAK TIME: 1 HOUR

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9:58	10.0 MIN.	17.75"	1.25"	8.00
10:08	10.0 MIN.	18.75"	1.00"	10.00

GENERAL NOTES:

1. ALL SURVEY DATA, BOUNDARY LINES AND TOPOGRAPHY, ARE FROM A "ZONING MAP OF PROPERTY" PREPARED FOR MARK C. BURTON AT 26 HIGHLAND ROAD, WESTPORT, CT, PREPARED BY DENNIS A. DEILUS LAND SURVEYOR'S , DATED MAY13, 2014, LAT REVISED OCTOBER 13, 2020.
2. ALL CONSTRUCTION SHALL COMPLY WITH THE TOWN OF WESTPORT REQUIREMENTS, THE STATE OF CONNECTICUT BASIC BUILDING CODE AND THE CONNECTICUT GUIDELINES FOR SOIL AND EROSION AND SEDIMENT CONTROL.
3. INFORMATION OF EXISTING UTILITIES HAS BEEN COMPILED FROM VARIOUS SOURCES INCLUDING UTILITY COMPANY RECORDS, MUNICIPAL RECORD MAPS AND FIELD SURVEY AND IS NOT GUARANTEED CORRECT OR COMPLETE. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL LOCATIONS AND ELEVATIONS OF ALL UTILITIES INCLUDING SERVICES.
4. THE PROPERTY WILL BE SERVICED BY PUBLIC WATER AND PRIVATE SEPTIC SYSTEM. NO KNOWN SEPTIC SYSTEMS AND STORM DRAIN SYSTEMS WITHIN 50' OF THE PROPOSED SEPTIC SYSTEM. NO KNOWN WELLS ARE LOCATED WITHIN 75' OF THE PROPOSED SEPTIC SYSTEM.
5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ANY EXCAVATION SAFEGUARDS, NECESSARY BARRICADES, FLAGMEN, ETC., FOR TRAFFIC CONTROL AND SITE SAFETY. ALL WORK SHALL BE DONE IN ACCORDANCE WITH OSHA REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH OSHA REQUIREMENTS.
6. REMOVE STUMPS AND BRUSH FROM SITE, OR CHIP AND USE DURING LANDSCAPING. DO NOT BURY STUMPS ON SITE.
7. THE WORK SHALL BE DONE IN CONFORMANCE WITH THE PLANS UNLESS CHANGES HAVE BEEN APPROVED IN WRITING BY THE DESIGN ENGINEER PRIOR TO THE WORK BEING DONE.
8. ALL DISTURBED AREAS SHALL BE MULCHED AND SEEDED AS SOON AS POSSIBLE.
9. AREAS OF ASPHALT PAVEMENT THAT ARE DISTURBED BY THE CONSTRUCTION OF THIS PROJECT SHALL BE REPLACED IN ACCORDANCE WITH THE ASPHALT TRENCH REPAIR DETAIL. THE FINISHED GRADE OF ASPHALT PAVING SHALL BLEND TO EXISTING GRADE AND THE EDGE OF THE CONCRETE PAVEMENT SMOOTHLY WITH NO SLOPES EXCEEDING 4%.
10. A MINIMUM OF 6" OF CRUSHED STONE MUST BE INSTALLED UNDER ALL EXTERIOR PORCHES AND STAIRS.

EARTHWORK & GRADING:

11. GRADE AWAY FROM BUILDING WALLS AT 2% MINIMUM (TYPICAL).
12. PROPOSED EARTH SLOPES SHALL BE NO STEEPER THAN 5:1 (HORZ.:VERT.), UNLESS OTHERWISE DEPICTED ON SITE PLAN.
13. GENERAL FILL BEYOND PAVED AREAS SHALL BE FREE OF BRUSH RUBBISH, STUMPS. FILL SHALL BE PLACED IN LAYERS NOT TO EXCEED 8" IN THICKNESS. THE DRY DENSITY AFTER COMPACTION SHALL NOT BE LESS THAN 95 % OF THE STANDARD PROCTOR TEST AND DONE IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM D698. AFTER COMPACTING, THE FILL SHALL BE 4" BELOW THE REQUIRED GRADE AS SHOWN ON THE PLAN.
14. AFTER THE AREAS TO BE TOPSOILED HAVE BEEN BROUGHT TO GRADE, THE SUBGRADE SHALL BE LOOSENED BY SCARIFYING TO A DEPTH OF AT LEAST 2" TO ENSURE BONDING OF THE TOPSOIL AND SUBSOIL.
15. FILL OR TOPSOIL SHALL NOT BE PLACED NOR COMPACTED WHILE IN A FROZEN OR MUDDY CONDITION OR WHILE SUBGRADE IS FROZEN.
16. ALL EXCESS MATERIALS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.

STORM SEWER SYSTEMS:

17. ALL PIPE SHALL BE INSTALLED STRAIGHT AND AT THE VERTICAL AND HORIZONTAL ALIGNMENT SHOWN. NO 90° BENDS IN ALL PIPES.
18. MINIMUM COVER ON ALL PIPES SHALL BE TWO FEET (2') UNLESS OTHERWISE NOTED.
19. ALL POLY VINYL CHLORIDE PIPE (PVCP) SHALL BE SDR 35 WITH RUBBER JOINTS AND MEET THE REQUIREMENTS ASTM D3 AND D3212.
20. ALL AREA DRAINS SHALL HAVE A 2' SUMP.
21. CONTACT THE DESIGN ENGINEER THREE DAYS PRIOR TO EXCAVATING FOR THE INFILTRATION SYSTEM. DURING THE EXCAVATION, THE DESIGN ENGINEER MAY REVISE THE ELEVATIONS OF THE SYSTEM IF FIELD CONDITIONS DICTATE.
22. THE ENGINEER OF RECORD IS REQUIRED TO WITNESS THE INSTALLATION OF THE DRAINAGE SYSTEM PRIOR TO BACKFILLING.
23. DIRECT THE ROOF AREA AND THE DRIVEWAY INLET STRUCTURE TO THE PROPOSED DRAINAGE SYSTEM AS DEPICTED.

SEDIMENT & EROSION CONTROLS:

24. THE CONTRACTOR SHALL CONSTRUCT ALL EROSION AND SEDIMENT CONTROL MEASURES PER THE APPROVED PLAN AND SHALL HAVE THEM INSPECTED AND APPROVED BY THE SITE ENGINEER PRIOR TO ANY LAND DISTURBANCE. MINOR SEDIMENT CONTROL DEVICE LOCATION ADJUSTMENT MAY BE MADE IN THE FIELD WITH THE APPROVAL OF THE SITE ENGINEER.
25. THE CONTRACTOR SHALL ENSURE THAT ALL RUNOFF FROM DISTURBED AREAS IS DIRECTED TO THE SEDIMENT CONTROL DEVICES AND SHALL NOT REMOVE ANY EROSION OR SEDIMENT CONTROL MEASURES WITHOUT PRIOR PERMISSION FROM THE SITE ENGINEER.
26. THE CONTRACTOR SHALL PROTECT ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS TO PREVENT THE DEPOSITION OF MATERIALS ONTO PUBLIC OR PRIVATE ROADS. ALL MATERIALS DEPOSITED ONTO SUCH ROADS SHALL BE REMOVED AS SOON AS POSSIBLE.
27. THE CONTRACTOR SHALL INSPECT DAILY AND MAINTAIN CONTINUOUSLY IN AN EFFECTIVE OPERATING CONDITION ALL EROSION AND SEDIMENT CONTROL MEASURES UNTIL SUCH TIMES AS THEY REMOVED WITH PRIOR PERMISSION FROM THE SITE ENGINEER.
28. ALL DISTURBED AREAS WITH A SLOPE STEEPER THAN 3:1 SHALL BE STABILIZED WITH SOD OR SEED AND ANCHORED STRAW MULCH OR OTHER APPROVED STABILIZATION MEASURE, AS SOON AS POSSIBLE BUT NO LATER THAN 5 CALENDAR DAYS.
29. SEDIMENT TRAPS AND BASINS SHALL NOT BE CONSTRUCTED WITHIN 25' OF AN EXISTING FOUNDATION OR ONE THAT IS UNDER CONSTRUCTION.
30. SEDIMENT REMOVED FROM TRAPS, SILTATION FENCES OR BASINS SHALL BE PLACED AND STABILIZED IN APPROVED AREAS BUT NOT WITHIN A FLOODPLAIN, WETLANDS OR TREE-SAVE AREAS.
31. ALL WATER REMOVED FROM EXCAVATED AREAS SHALL BE PASSED THROUGH APPROVED DEWATERING PRACTICES OR PUMPED TO A SEDIMENT BASIN PRIOR TO DISCHARGE TO A FUNCTIONAL STORM DRAIN SYSTEM OR TO STABLE GROUND SURFACE.
32. PRIOR TO REMOVAL OF SEDIMENT CONTROL MEASURES THE CONTRACTOR SHALL STABILIZE AND HAVE ESTABLISHED PERMANENT STABILIZATION FOR ALL DISTURBED AREAS USING SOD OR AN APPROVED SIX MIXTURE. AREAS BROUGHT TO FINISHED GRADE DURING THE SEEDING SEASON MUST BE STABILIZED WITH PERMANENT GROWTH AS SOON AS POSSIBLE. WHEN PROPERTY IS BROUGHT TO FINISHED GRADES DURING THE WINTER MONTHS WHEN PERMANENT STABILIZATION IS IMPRACTICAL THEN AN APPROVED TEMPORARY STABILIZATION SHALL BE DONE UNTIL THE SPRING MONTHS WHERE PERMANENT STABILIZATION IS POSSIBLE.

SEWAGE DISPOSAL SYSTEM NOTES:

1. THE PROPOSED SEWAGE DISPOSAL SYSTEMS SHALL CONFORM TO SECTIONS 19-13-B103A TO 19-13-B103F OF THE CONNECTICUT STATE HEALTH CODE.
2. THE PROPOSED SOIL LINES SHALL BE AS DEPICTED ON THE PLAN.
3. THE PROPOSED SEPTIC TANK SHALL BE A TWO-COMPARTMENT TANK. THE TANK SHALL BE WATERTIGHT AND BE SO CERTIFIED BY THE MANUFACTURER. THE SEPTIC TANK SHALL BE AS MANUFACTURED BY EASTERN PRECAST, OR EQUIVALENT AS APPROVED BY THE ENGINEER.
4. TO PREVENT LEAKAGE, THE CONTRACTOR SHALL MORTAR ALL INLET AND OUTLET PIPES FROM THE SEPTIC TANK AND DISTRIBUTION BOXES ONCE PIPES HAVE BEEN INSTALLED.
5. ALL SOLID EFFLUENT DISTRIBUTION PIPES SHALL BE 4" PVC PLASTIC PIPE (ASTM D3034) SDR-35 WITH RUBBER GASKET, BELL AND SPIGOT.
6. ALL PERFORATED EFFLUENT DISTRIBUTION PIPES SHALL BE 4" PERFORATED PVC PLASTIC PIPE (ASTM D2729) WITH BELL AND SPIGOT, NO GASKET.
7. ALL DISTRIBUTION BOXES SHALL BE AS MANUFACTURED BY EASTERN PRECAST OR AN APPROVED EQUAL.
8. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL STAKE THE AREA OF THE PROPOSED SEWAGE DISPOSAL SYSTEM AND THE ADJACENT PROPERTY LINES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE WESTPORT-WESTON HEALTH DISTRICT WHEN STAKING HAS BEEN COMPLETED SO THAT AN INSPECTION OF THE STAKING CAN BE MADE.
9. AFTER THE SEWAGE DISPOSAL SYSTEM HAS BEEN INSTALLED ALL DISTURBED AREAS SHALL BE RESTORED TO THEIR PRE-CONSTRUCTION CONDITION OR GRADE AS SHOWN ON THE PLAN, TOPSOILED, FINE RAKED AND SEEDED.
10. THIS DESIGN CONFORMS TO APPLICABLE CODES AND ACCEPTED PRACTICE. NO OTHER WARRANTY IS EXPRESSED OR IMPLIED.
11. THE SEPTIC DESIGN DOES NOT ACCOUNT FOR LARGE TUBS WITH CAPACITY OVER 99 GALLONS.
12. THE RECORD ENGINEER MUST PREPARE THE "SEPTIC AS-BUILT PLAN", THUS THE ENGINEER MUST BE NOTIFIED TO INSPECT ALL ASPECTS OF THE NEW SEPTIC SYSTEM PREPARATION AND INSTALLATION.

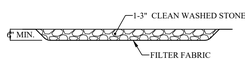
SELECT FILL NOTES:

1. SELECT FILL PLACED WITHIN AND ADJACENT TO LEACHING SYSTEM AREAS SHALL BE COMPRISED OF CLEAN SAND, OR SAND AND GRAVEL, FREE FROM ORGANIC MATTER AND FOREIGN SUBSTANCES. THE SELECT FILL SHALL MEET THE FOLLOWING REQUIREMENTS UNLESS OTHERWISE APPROVED BY THE DESIGN ENGINEER.
2. SELECT FILL EXCEEDING 6% PASSING THE #200 SIEVE BASED ON A WET SIEVE TEST CANNOT BE APPROVED BY THE DESIGN ENGINEER. THE SELECT FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN THE THREE (3) INCH SIEVE.
3. UP TO 45% OF THE DRY WEIGHT OF THE REPRESENTATIVE SAMPLE MAY BE RETAINED ON THE #4 SIEVE. NOTE: THIS IS THE GRAVEL PORTION OF THE SAMPLE.
4. THE MATERIAL THAT PASSES THE #4 SIEVE IS THEN REWEIGHED AND THE SIEVE ANALYSIS STARTED.
5. THE REMAINING SAMPLE SHALL MEET THE FOLLOWING GRADATION CRITERIA:

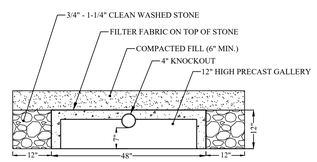
PERCENT PASSING SIEVE SIZE

	WET SIEVE	DRY SIEVE
#4	100	100
#10	70 - 100	70 - 100
#40	10 - 50 *	10 - 75
#100	0 - 20	0 - 5
#200	0 - 5	0 - 2.5

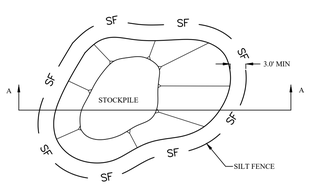
* PERCENT PASSING THE #40 SIEVE CAN BE INCREASED TO NO GREATER THAN 75% IF THE PERCENT PASSING THE #100 SIEVE DOES NOT EXCEED 10% AND THE #200 SIEVE DOES NOT EXCEED 5%.
SELECT FILL THAT DOES NOT MEET THE DRY SIEVE GRADATION CRITERIA BUT MEETS THE WET SIEVE GRADATION CRITERIA IS ACCEPTABLE. SIEVE TESTING OF SELECT FILL IS REQUIRED FOR LARGE (2,000 GPD OR GREATER) SYSTEMS WHENEVER THE LEACHING SYSTEM IS LOCATED TOTALLY IN SELECT FILL. THE LOCAL DIRECTOR OF HEALTH MAY REQUIRE SIEVE TESTING OF SELECT FILL ON LESS THAN 2,000 GPD SEWAGE SYSTEMS IN ACCORDANCE WITH PHC SECTION 19-13-B103E (D) (6).
6.



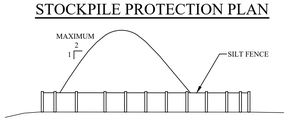
MUD-TRACKING PAD
N.T.S.



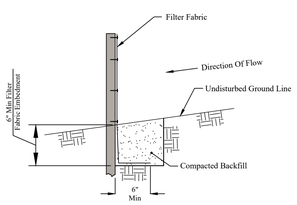
12" HIGH PRECAST GALLERY
(DRAINAGE SYSTEM)
N.T.S.



STOCKPILE PROTECTION PLAN



SECTION A
N.T.S



FILTER FABRIC FENCING
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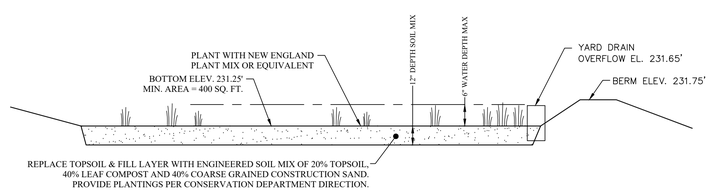

RAIN GARDEN SECTION
N.T.S.

REVISED: 07/06/2020 - Expanded rear addition and added second floor deck.

SEDIMENT & EROSION CONTROLS PLAN

26 HIGHLAND ROAD

WESTPORT, CT

Prepared for

PERKINS REAL ESTATE, LLC

STATE OF CONNECTICUT JIMMY KOUSIDIS LICENSED PROFESSIONAL ENGINEER

SCALE: 1" = 20' (0 20 40)

DATED: 06/30/2020
JOB NO.: PR20-1
SHEET NO: 2 of 2

KOUSIDIS ENGINEERING, LLC
Land Development Consultants and Site Design
10-B First Street, Norwalk, CT 06855
P: 203-557-8943 F: 203-557-8944
E: jim@kousidisengineering.com
Web: www.kousidisengineering.com