

PERCOLATION TEST DATA:

PERFORMED BY: KOUSIDIS ENGINEERING, LLC
 DATE: DECEMBER 07, 2018
 DIAMETER: 8" SANTARIAN: LARA HAYES
 DEPTH: 30" PRE SOAK TIME: 9:00

TIME INCREMENT	DEPTH TO WATER	DROP IN WATER	PERC. RATE (MIN./INCH)
10:00	4.50"	-	-
10:10	10.00 MIN.	11.50"	7.00"
10:20	10.00 MIN.	18.00"	6.50"
10:30	10.00 MIN.	20.75"	2.75"
10:40	10.00 MIN.	22.00"	1.25"
10:50	10.00 MIN.	23.25"	1.25"
11:00	10.00 MIN.	24.50"	1.25"

DEEP TEST PIT LOG
 CONDUCTED BY: KOUSIDIS ENGINEERING, LLC
 DATE CONDUCTED: DECEMBER 07, 2018

TEST PIT #1
 00-10" TOPSOIL
 10-24" ORANGE BROWN SILTY LOAM
 *NO MOTTLING
 *NO GROUND WATER
 *LEDGE @ 24"
 *ROOTS TO 18"

TEST PIT #2
 00-08" TOPSOIL
 08-24" ORANGE BROWN SILTY LOAM
 *NO MOTTLING
 *NO GROUND WATER
 *LEDGE @ 24"
 *ROOTS TO 19"

TEST PIT #3
 00-08" TOPSOIL
 08-26" ORANGE BROWN SILTY LOAM
 *NO MOTTLING
 *NO GROUND WATER
 *LEDGE @ 26"
 *ROOTS TO 26"

TEST PIT #4
 00-08" TOPSOIL
 08-30" ORANGE BROWN SILTY LOAM
 30-52" GRAY MOTTLLED SILT WITH FINE SAND
 *MOTTLING @ 30"
 *GROUND WATER @ 38"
 *LEDGE @ 52"
 *ROOTS TO 22"

TEST PIT #5
 00-12" TOPSOIL
 12-34" ORANGE BROWN SILTY LOAM
 34-54" GRAY MOTTLLED SILT WITH FINE SAND
 *MOTTLING @ 34"
 *GROUND WATER @ 37"
 *LEDGE @ 54"
 *ROOTS TO 24"

TEST PIT #6
 00-10" TOPSOIL
 10-30" ORANGE BROWN SILTY LOAM
 30-84" GRAY MOTTLLED SILT WITH FINE SAND
 *MOTTLING @ 30"
 *GROUND WATER @ 56"
 *LEDGE @ 84"
 *ROOTS TO 28"

TEST PIT #7
 00-04" TOPSOIL
 04-30" ORANGE BROWN SILTY LOAM
 30-68" GRAY MOTTLLED SILT WITH FINE SAND
 *MOTTLING @ 30"
 *GROUND WATER @ 42"
 *LEDGE @ 68"
 *NO ROOTS

TEST PIT #8
 00-10" TOPSOIL
 10-30" ORANGE BROWN SILTY LOAM
 30-42" GRAY MOTTLLED SILT WITH FINE SAND
 42-100" BROWN COARSE SAND WITH GRAVEL
 *MOTTLING @ 12"
 *GROUND WATER @ 76"
 *LEDGE @ 56"
 *ROOTS TO 26"

TEST PIT #9
 00-08" TOPSOIL
 08-34" ORANGE BROWN SILTY LOAM
 34-56" GRAY MOTTLLED SILT WITH FINE SAND
 *MOTTLING @ 34"
 *GROUND WATER @ 42"
 *LEDGE @ 48"
 *ROOTS TO 26"

DEEP TEST PIT LOG
 CONDUCTED BY: KOUSIDIS ENGINEERING, LLC
 DATE CONDUCTED: AUGUST 11, 2020

TEST PIT #101
 00-10" TOPSOIL
 10-36" ORANGE BROWN SILTY LOAM
 36-56" GRAY MOTTLLED SILT W/ FINE SAND
 *MOTTLING @ 36"
 *NO GROUND WATER
 *LEDGE @ 56"
 *ROOTS TO 36"

TEST PIT #102
 00-08" TOPSOIL
 08-32" ORANGE BROWN SILTY LOAM
 32-48" GRAY MOTTLLED SILT W/ FINE SAND
 *MOTTLING @ 32"
 *NO GROUND WATER
 *LEDGE @ 48"
 *ROOTS TO 32"

TEST PIT #103
 00-06" TOPSOIL
 06-24" ORANGE BROWN SILTY LOAM
 24-62" GRAY MOTTLLED SILT W/ FINE SAND
 *MOTTLING @ 24"
 *NO GROUND WATER
 *LEDGE @ 62"
 *ROOTS TO 24"

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 DATE CONDUCTED: DECEMBER 07, 2018

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 *NO MOTTLING
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 *LEDGE @ 24"
 *ROOTS TO 19"

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 *NO MOTTLING
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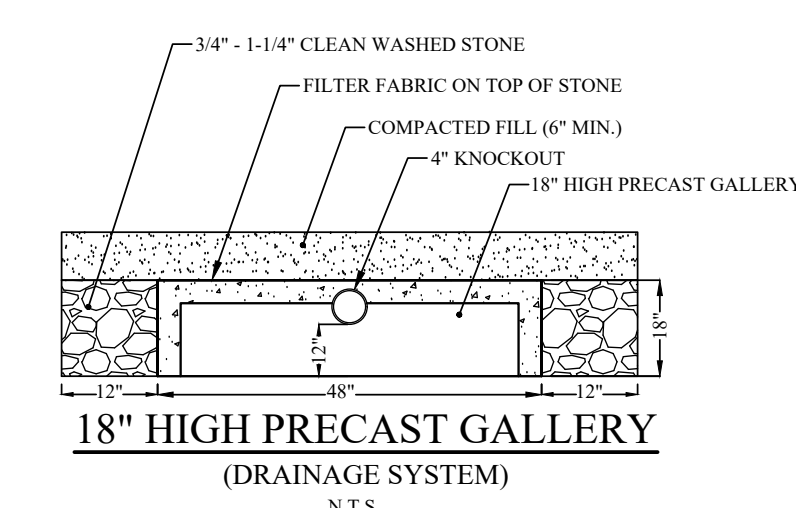
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- GENERAL NOTES:**
- ALL SURVEY DATA, BOUNDARY LINES AND TOPOGRAPHY ARE FROM A "DATA ACCUMULATION PLAN" PREPARED FOR SKYVIEW BUILDERS, LLC AT 39 BURR FARMS ROAD, WESTPORT, CT, PREPARED BY SHEVLIN LAND SURVEYING, LLC, DATED MAY 15, 2018, LAST REVISED JANUARY 04, 2022.
 - 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.
 - 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.
 - 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.
 - 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.
 - REMOVE STUMPS AND BRUSH FROM SITE, OR CHIP AND USE DURING LANDSCAPING. DO NOT BURY STUMPS ON SITE.
 - 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.
 - ALL DISTURBED AREAS SHALL BE MULCHED AND SEEDED AS SOON AS POSSIBLE.
 - 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%.
 - A MINIMUM OF 6" OF CRUSHED STONE MUST BE INSTALLED UNDER ALL EXTERIOR PORCHES AND STAIRS.
- EARTHWORK & GRADING:**
- GRADE AWAY FROM BUILDING WALLS AT 2% MINIMUM (TYPICAL).
 - PROPOSED EARTH SLOPES SHALL BE NO STEEPER THAN 5:1 (HORIZ. VERT.), UNLESS OTHERWISE DEPICTED ON SITE PLAN.
 - GENERAL FILL BEYOND PAVED AREAS SHALL BE FREE OF BRUSH, RUBBISH, STUMPS. FILL SHALL BE PLACED IN LAYERS NOT TO EXCEED 6" 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 COMPACTION, THE FILL SHALL BE 4" BELOW THE REQUIRED GRADE AS SHOWN ON THE PLAN.
 - AFTER THE AREAS TO BE TOPSOILED HAVE BEEN BROUGHT TO GRADE, THE SUBGRADE SHOULD BE LOOSENEED BY SCARIFYING TO A DEPTH OF AT LEAST 2" TO ENSURE BONDING OF THE TOPSOIL AND SUBSOIL.
 - FILL OR TOPSOIL SHALL NOT BE PLACED NOR COMPACTED WHILE IN A FROZEN OR MUDDY CONDITION OR WHILE SUBGRADE IS FROZEN.
 - ALL EXCESS MATERIALS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
- STORM SEWER SYSTEMS:**
- ALL PIPE SHALL BE INSTALLED STRAIGHT AND AT THE VERTICAL AND HORIZONTAL ALIGNMENT SHOWN. NO 90° BENDS IN ALL PIPES.
 - MINIMUM COVER ON ALL PIPES SHALL BE TWO FEET (2') UNLESS OTHERWISE NOTED.
 - ALL POLY VINYL CHLORIDE PIPE (PVC) SHALL BE SDR 35 WITH RUBBER JOINTS AND MEET THE REQUIREMENTS ASTM D3 AND D3212.
 - ALL AREA DRAINS SHALL HAVE A 2' SUMP.
 - 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.
 - THE ENGINEER OF RECORD IS REQUIRED TO WITNESS THE INSTALLATION OF THE DRAINAGE SYSTEM PRIOR TO BACKFILLING.
 - DIRECT THE PATIO INLET STRUCTURES TO THE PROPOSED DRAINAGE SYSTEMS AS DEPICTED.
- SEDIMENT & EROSION CONTROLS:**
- 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.
 - 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.
 - 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.
 - THE CONTRACTOR SHALL INSPECT DAILY AND MAINTAIN CONTINUOUSLY IN AN EFFECTIVE OPERATING CONDITION ALL EROSION AND SEDIMENT CONTROL MEASURES UNTIL SUCH TIMES AS THEY ARE REMOVED WITH PRIOR PERMISSION FROM THE SITE ENGINEER.
 - ALL DISTURBED AREAS WITH A SLOPE STEEPER THAN 3:1 SHALL BE STABILIZED WITH SOIL OR SEED AND ANCHORED STRAW MULCH OR OTHER APPROVED STABILIZATION MEASURE, AS SOON AS POSSIBLE BUT NO LATER THAN 5 CALENDAR DAYS.
 - SEDIMENT TRAPS AND BASINS SHALL NOT BE CONSTRUCTED WITHIN 25' OF AN EXISTING FOUNDATION OR ONE THAT IS UNDER CONSTRUCTION.
 - 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.
 - 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.
 - THIS DESIGN CONFORMS TO APPLICABLE CODES AND ACCEPTED PRACTICE. NO OTHER WARRANTY IS EXPRESSED OR IMPLIED.
 - THE SEPTIC DESIGN DOES NOT ACCOUNT FOR LARGE TUBS WITH CAPACITY OVER 99 GALLONS.
 - THE RECORD ENGINEER MUST PREPARE THE "SEPTIC AS-BUILT PLAN", THIS THE ENGINEER MUST BE NOTIFIED TO INSPECT ALL ASPECTS OF THE NEW SEPTIC SYSTEM PREPARATION AND INSTALLATION.
- SELECT FILL NOTES:**
- 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.
 - 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.
 - 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.
 - THE MATERIAL THAT PASSES THE #4 SIEVE IS THEN REWEIGHED AND THE SIEVE ANALYSIS STARTED.
 - THE REMAINING SAMPLE SHALL MEET THE FOLLOWING GRADATION CRITERIA:
- | PERCENT PASSING SIEVE SIZE | | |
|----------------------------|-----------|-----------|
| #4 | WET SIEVE | DRY SIEVE |
| #10 | 100 | 100 |
| #20 | 70 - 100 | 70 - 100 |
| #40 | 10 - 50* | 10 - 75 |
| #100 | 0 - 20 | 0 - 5 |
| #200 | 0 - | 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 2%.
- 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 PWC SECTION 19-13-B103E (D) (6).

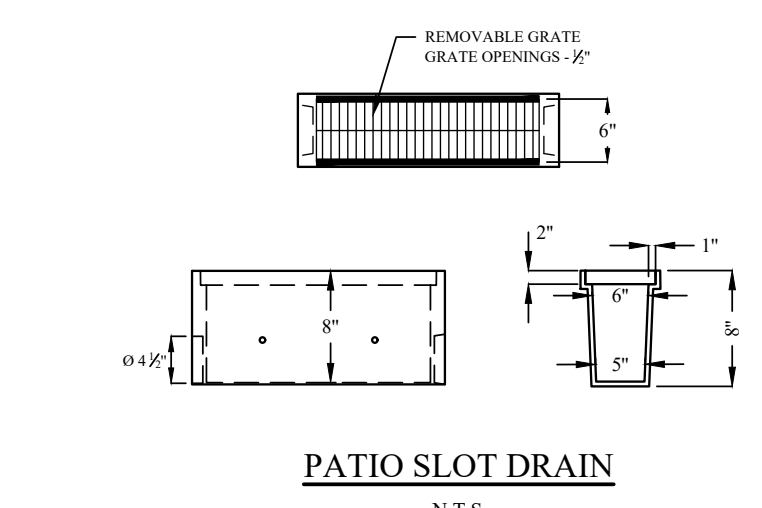
EXCAVATION & FILL CALCULATIONS [32-8.2.1(a)]

EXCAV & FILL AMOUNT ALLOWED:
 Lot Area * 50% * Coverage * 10/27 C/ey
 (53,887 * 50% * 25% * 10) / 27 = 2,494 cy
 Actual Estimated Exc. & Fill = 85cy < 2,494cy Allowed

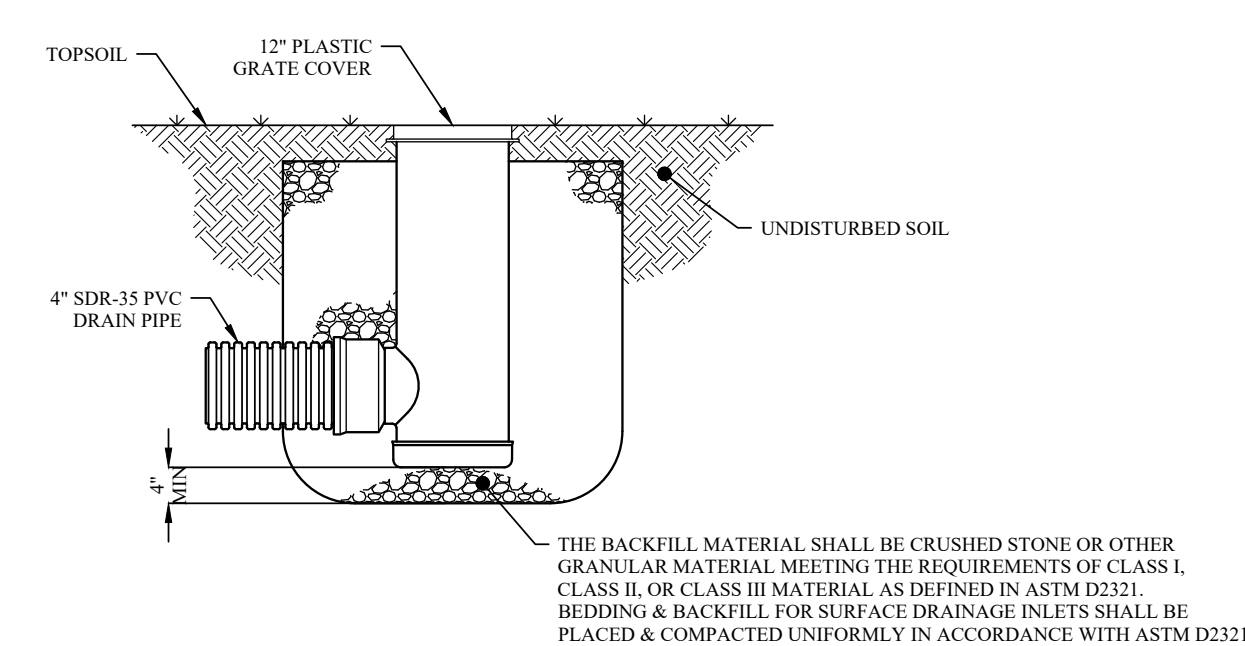
NOTE: STRUCTURAL WALLS TO BE DESIGNED BY OTHERS.



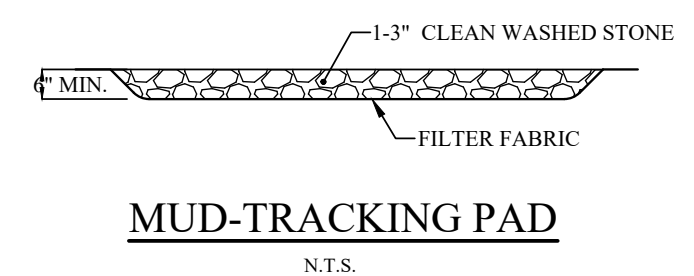
18" HIGH PRECAST GALLERY
(DRAINAGE SYSTEM)
N.T.S.



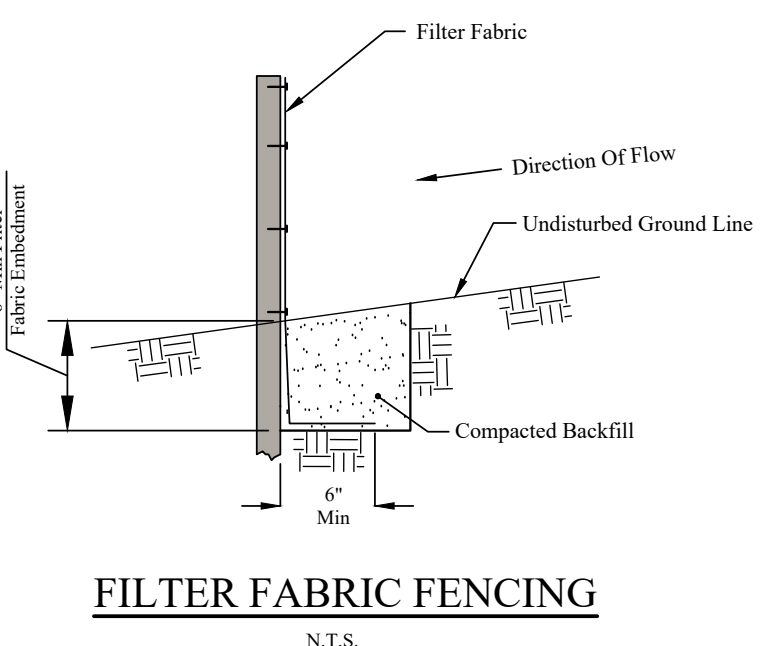
PATIO SLOT DRAIN
N.T.S.



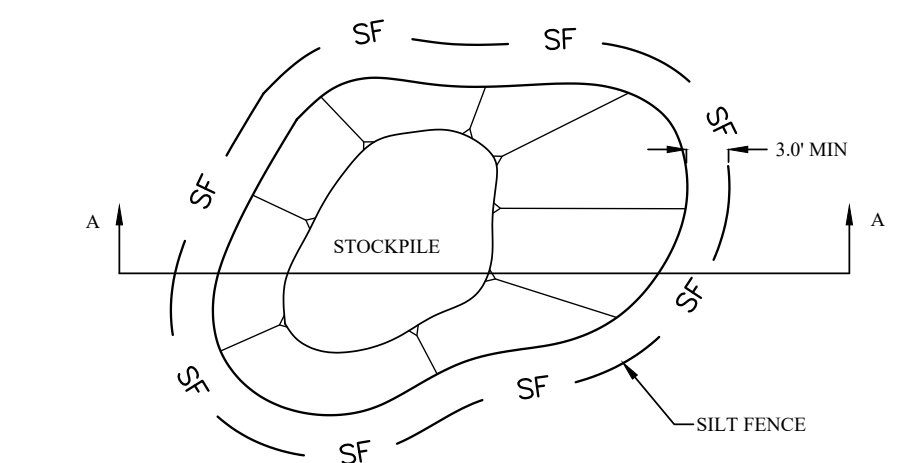
PLASTIC YARD DRAIN
N.T.S.



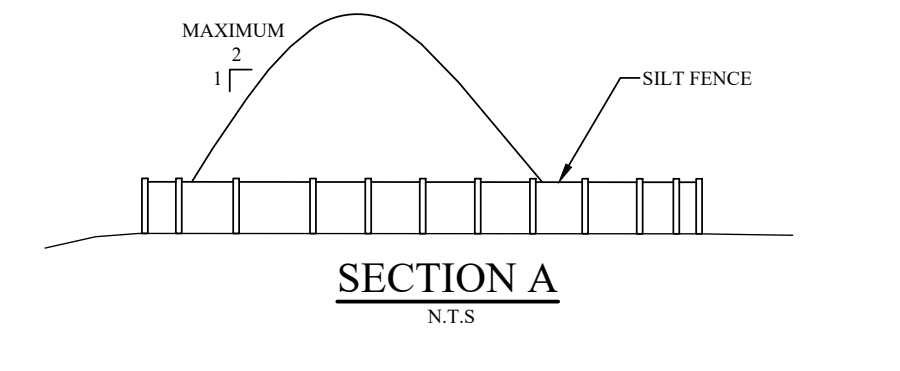
MUD-TRACKING PAD
N.T.S.



FILTER FABRIC FENCING
N.T.S.



STOCKPILE PROTECTION PLAN



SECTION A
N.T.S.

SITE DEVELOPMENT PLAN
 39 BURR FARMS ROAD
 WESTPORT, CT
 Prepared for
GLENGATE

DATED: 09/03/2024
 JOB NO: GG24-1
 SHEET NO: 1 of 1

SCALE: 0 20 40
 1" = 20'

KOUSIDIS ENGINEERING, LLC
 Land Development Consultants and Site Design
 1525 Black Rock Turnpike, Fairfield, CT 06425 P: 203-557-8943
 E: jim@kousidisengineering.com Web: www.kousidisengineering.com