

CONSTRUCTION NOTES:

- OWNER OR CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.
- OWNER OR CONTRACTOR TO VERIFY ALL DIMENSIONS AND INFORMATION CONTAINED ON THIS PLAN PRIOR TO THE START OF CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.
- PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY ALL BOUNDARY MARKERS SHALL BE SET BY A LICENSED LAND SURVEYOR.
- PRESERVE ANY EXISTING STONE WALLS WHEREVER POSSIBLE.
- ANY TREES TO BE REMOVED IN THE TOWN RIGHT OF WAY SHALL BE POSTED BY THE TREE WARDEN PRIOR TO REMOVAL.
- ALL PROPOSED UTILITIES LOCATIONS SHALL BE APPROVED BY THE LOCAL UTILITY COMPANIES PRIOR TO THE START OF CONSTRUCTION.

EROSION CONTROL CONSTRUCTION SEQUENCE PLAN HOUSE LOT DEVELOPMENT

- NOTE: ALL EROSION AND SEDIMENT CONTROL ACTIVITIES SHALL CONFORM TO THE METHODS OUTLINED IN THE 2002 CONNECTICUT GUIDELINES FOR EROSION AND SEDIMENT CONTROL MANUAL.
- COORDINATE MARKING OF LIMITS OF DISTURBANCE BY A LICENSED LAND SURVEYOR. SUPPLY TOWN EROSION CONTROL OFFICER WITH A LETTER FROM THE SURVEYOR CERTIFYING THE LIMITS OF DISTURBANCE WERE MARKED IN ACCORDANCE WITH THE APPROVED PLAN.
 - CLEAR TREES AS REQUIRED.
 - PRIOR TO SOIL DISTURBANCE INSTALL EROSION CONTROL MEASURES, SILT FENCE AND ANTI-TRACKING PAD (SEE PLAN DETAILS AND LOCATIONS). ADDITIONAL MEASURES MAY BE REQUIRED AS SITE CONDITIONS REQUIRE. COORDINATE AN INSPECTION OF INSTALLED MEASURES WITH THE EROSION CONTROL OFFICER. SUPPLY THE TOWN OF COVENTRY EROSION CONTROL OFFICER WITH THE NAME AND PHONE NUMBER OF A CONTACT PERSON RESPONSIBLE FOR THE EROSION CONTROL MEASURES.
 - PERIODICALLY AND AFTER LARGE RAIN EVENTS INSPECT EROSION CONTROL MEASURES AND REPAIR AS NECESSARY.
 - GRUB AND STRIP TOPSOIL. STOCKPILE TOPSOIL IN AREAS INDICATED ON THE APPROVED PLAN.
 - CONSTRUCT AND STABILIZE DRIVEWAY.
 - CONSTRUCT HOUSE, WELL, DRIVEWAY, SEPTIC SYSTEM AND OTHER IMPROVEMENTS AS SHOWN.
 - SPREAD STOCKPILED TOPSOIL. MACHINE RAKE, FERTILIZE, SEED AND MULCH DISTURBED AREAS. USE GRASS SEED THAT IS ACCEPTABLE FOR THE SITE CONDITIONS (E. SUN OR SHADE) AND THE SEASON OF THE YEAR IN WHICH THIS ACTIVITY IS COMPLETED. PROVIDE TEMPORARY STABILIZATION OF THE SITE (I.E. STRAW OR HAY ETC.) IF THE TOPSOIL IS SPREAD DURING A TIME OF YEAR WHEN GRASS SEED WILL NOT GERMINATE. PROVIDE PERMANENT STABILIZATION WHEN WEATHER CONDITIONS ALLOW.
 - REMOVE EROSION CONTROL MEASURES AFTER THE SITE HAS BECOME FULLY ESTABLISHED.
 - ANY EXISTING DISTURBED AREAS MUST BE SEEDED WITH PERMANENT OR TEMPORARY GROUND COVER AND MULCHED BY OCTOBER 15.
 - DEWATERING OPERATIONS, IF REQUIRED, SHALL UTILIZE A CRUSHED STONE INTAKE SUMP AND TEMPORARY OUTLET SILT POOL LOCATED WITHIN THE LIMITS OF DISTURBANCE.

SITE SEEDING NOTES:

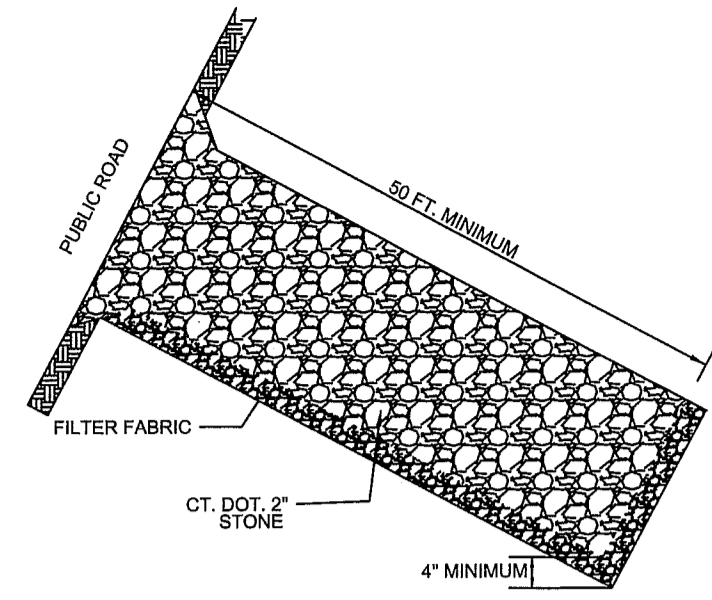
PREPARATION: FINE GRADE AND RAKE SOIL SURFACE TO REMOVE STONES LARGER THAN 2" IN DIAMETER. INSTALL SEEDED EROSION CONTROL DEVICES SUCH AS SURFACE WATER DIVERSIONS AS REQUIRED. APPLY LIMESTONE AT A RATE OF 2 TONS/AC. OR 90 LBS./1000 SQ.FT. FERTILIZE WITH 10-10-10 AT A RATE OF 300 LBS./AC. OR 7.5 LBS. PER 1000 SQ.FT. WORK LIME AND FERTILIZER INTO SOIL UNIFORMLY TO A DEPTH OF 4".

SEED APPLICATION: APPLY SEED MIXTURE FROM THE CHART BELOW BY HAND, CYCLONE SEEDER OR HYDRO SEEDER. INCREASE SEED MIXTURE BY 10% IF HYDRO SEEDER IS USED. LIGHTLY DRAG OR ROLL THE SEEDED SURFACE TO COVER SEED. SEEDING SHOULD BE DONE DURING THE TIMES SHOWN ON THE CHART BELOW. IF SEEDING CANNOT BE DONE DURING THESE TIMES, REPEAT MULCHING PROCEDURE BELOW UNTIL SEEDING CAN TAKE PLACE.

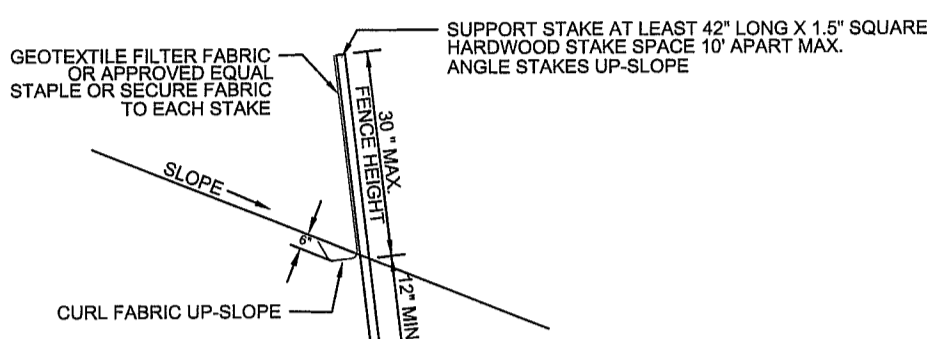
MULCHING: IMMEDIATELY FOLLOWING SEEDING, MULCH THE SEED SURFACE WITH STRAW OR HAY AT A RATE OF 2 TO 3 TONS/AC. SPREAD MULCH BY HAND OR MULCH BLOWER. PUNCH MULCH INTO SOIL SURFACE WITH A TRACK MACHINE OR DISK HARROW SET STRAIGHT UP. IF USING HYDRO SEED MIX USE TACTIFIER ADDITIVES TO ADHERE MULCH MATERIAL TO THE SURFACE.

SEED SELECTION:	LB/1000 SQ. FT.	SEED MIXTURE	RECOMMENDED SEEDING DATES
PERMANENT LAWN	0.45	KENTUCKY BLUEGRASS	4/1-6/15
	0.45	CREEPING RED FESCUE	8/15-10/1
	0.10	PERENNIAL RYEGRASS	
SLOPES & COARSE LAWN	0.45	CREEPING RED FESCUE	4/1-6/15
	0.05	RED TOP	8/15-10/1
	0.45	TALL FESCUE	
SLOPES (NO MOWING)	1.8	CREEPING RED FESCUE	4/1-6/15
	0.2	RED TOP	8/15-10/1
TEMPORARY COVER	3.0	WINTER RYE	4/15-6/15, 8/15-10/15
	1.0	OR ANNUAL RYEGRASS	3/1-6/15, 8/1-10/15

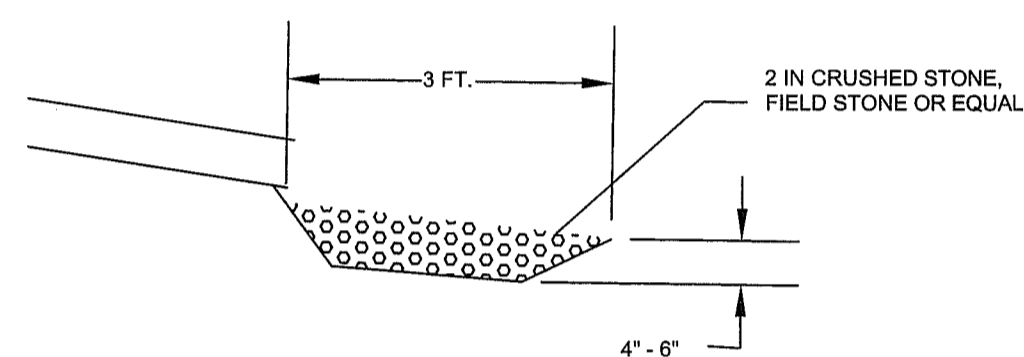
IF SEED IS PLANTED OUTSIDE THE RECOMMENDED SEEDING DATES IRRIGATION MAYBE REQUIRED AT A UNIFORM APPLICATION RATE OF 1 TO 2 INCHES OF WATER APPLIED PER APPLICATION, SOAKING THE GROUND TO A DEPTH OF 4 INCHES.



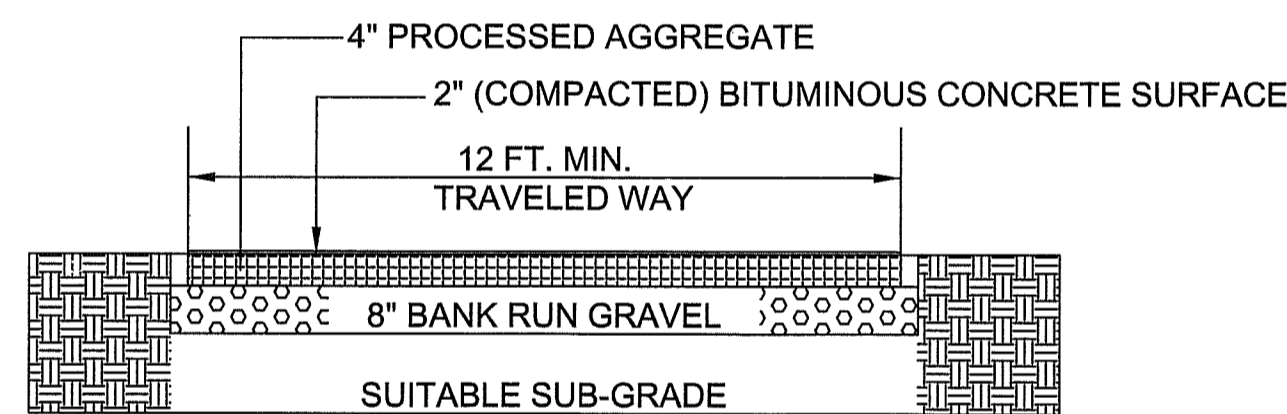
ANTI-TRACKING CONSTRUCTION ENTRANCE
NOT TO SCALE



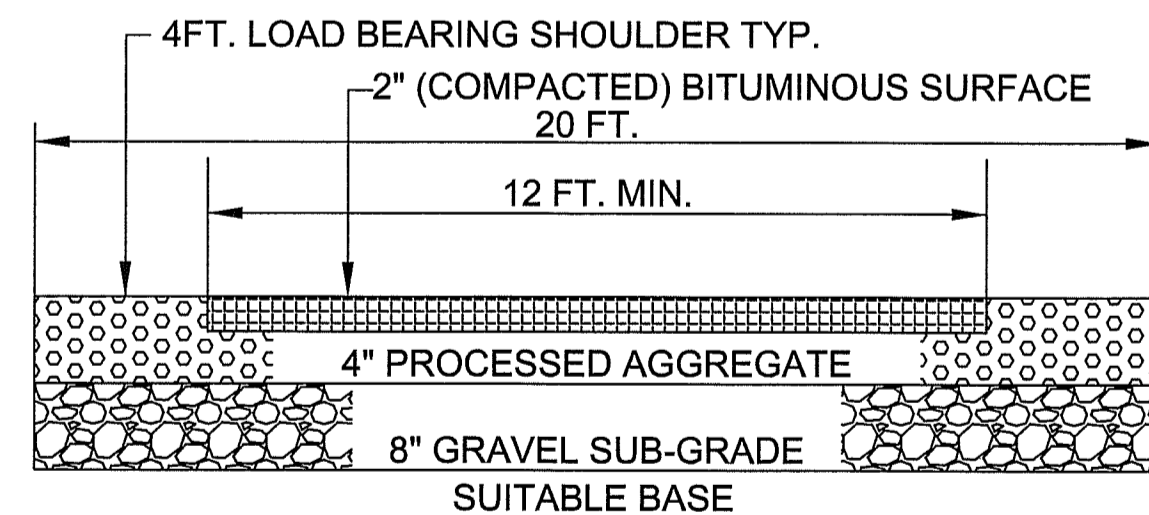
SILT FENCE DETAIL
NOT TO SCALE



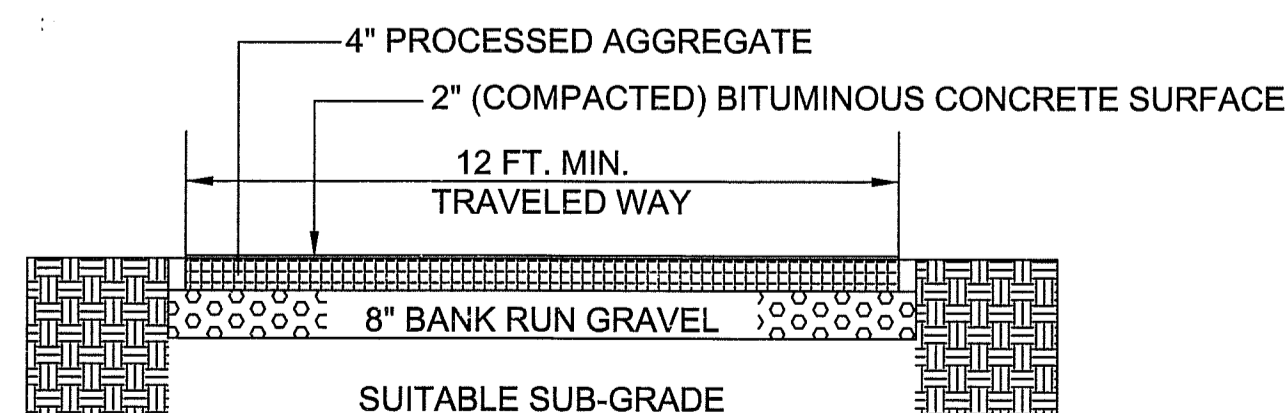
FOOTING DRAIN OUTLET DETAIL
NOT TO SCALE



GRAVEL DRIVEWAY DETAIL (10% MAX. GRADE)
NOT TO SCALE



PAVED COMMON DRIVEWAY
NOT TO SCALE



PAVED DRIVEWAY DETAIL (15% MAX GRADE)
NOT TO SCALE

GENERAL NOTES:

- ALL WORK SHALL CONFORM TO THE TOWN OF COVENTRY REGULATIONS AND STANDARDS AND SPECIFICATIONS.
- UNDERGROUND UTILITIES MAY EXIST IN THE AREA OF THIS SURVEY. CONTRACTOR TO VERIFY THE PRESENCE AND EXACT LOCATION OF ANY UNDERGROUND UTILITIES PRIOR TO THE START OF CONSTRUCTION.
- ANY TREES TO BE REMOVED WITHIN THE TOWN OR STATE ROAD RIGHT OF WAY MUST BE POSTED BY THE TREE WARDEN PRIOR TO REMOVAL.
- SOLAR ORIENTATION OF THE PROPOSED HOUSE LOCATION WAS TAKEN INTO CONSIDERATION. THE HOUSE SHOWN ON THIS PLAN IS FOR FEASIBILITY. THE HOMEOWNER WILL HAVE SOME FLEXIBILITY CONCERNING THE FINAL HOUSE LOCATION.
- PROPOSED DRIVEWAY SHALL NOT EXCEED 15% SLOPES.
- NO UNDERGROUND STORAGE TANKS ARE TO BE INSTALLED EXCEPT PROPANE.
- PRIOR TO THE ISSUANCE OF A CERTIFICATE OF USE AND COMPLIANCE FOR THE PROPOSED HOUSE:
 - ALL REQUIRED BOUNDARY MONUMENT SHALL BE SET BY A LICENSED LAND SURVEYOR. THE LAND SURVEYOR SHALL SUPPLY THE PLANNING AND ZONING DEPARTMENT WITH A LETTER VERIFYING THE SETTING OF THE REQUIRED MONUMENTATION.
 - ALL GRADING AND CLEARING, ESPECIALLY FOR PROPER SIGHT LINE AND INSTALLATION OF DRIVEWAY APRON SHALL BE COMPLETED AND INSPECTED BY THE TOWN OF COVENTRY.
 - STREET NUMBERS FOR THE PROPOSED HOUSE SHALL BE PLACED ON THE FRONT OF THE HOUSE OR IN AN AREA MORE VISIBLE FROM THE STREET AND APPROVED BY THE TOWN OF COVENTRY.
 - THE PROPOSED DRIVEWAY SHALL BE BUILT IN THE DEPICTED LOCATION OR IN A LOCATION WITH EQUIVALENT OR BETTER SIGHT LINE AND DRAINAGE CONDITIONS AS DETERMINED BY THE ZONING AGENT AND/OR SUPERINTENDENT OF STREETS. THE DRIVEWAY SHALL HAVE A PAVED APRON.
 - ALL DISTURBED AREAS SHALL BE TOPSOILED SEEDING AND MULCHED OR STABILIZED ACCORDING TO THE SEASON OF THE YEAR.
 - ALL OTHER REQUIREMENTS AS STATED ON THIS PLAN SHALL HAVE BEEN MET AS PER TOWN OF COVENTRY REGULATIONS.
 - A SEPTIC SYSTEM AS-BUILT PLAN SHALL BE PROVIDED TO THE EASTERN HIGHLANDS HEALTH DISTRICT BY THE LICENSED SEPTIC SYSTEM INSTALLER.
- NO LIQUID OR SOLID CHEMICAL FERTILIZERS, PESTICIDES, HERBICIDES OR PETROLEUM DUST CONTROL AGENTS SHALL BE APPLIED ON THIS SITE.
- OWNER AND/OR CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS.
- LIMIT OF INDIVIDUAL LOT DISTURBANCE IS TYPICALLY DELINEATED BY THE SILT FENCE SYMBOLS SHOWN ON THE PLANS.
- PROPOSED HOUSES, SEPTIC, DRIVEWAYS, FOOTING DRAIN AND LIMIT OF DISTURBANCE LOCATIONS SHOWN ARE PRELIMINARY. LOCATIONS MAY CHANGE WITH FINAL LOT DESIGN.
- ALL UTILITIES SHALL BE APPROVED BY THE LOCAL UTILITY COMPANIES PRIOR TO CONSTRUCTION. ALL UTILITIES SHALL BE CONSTRUCTED TO LOCAL UTILITY COMPANY SPECIFICATIONS AND INSTALLED UNDERGROUND. COLONIAL STYLE STREET LIGHT FIXTURES SHALL BE INSTALLED IN LOCATIONS SHOWN ON MAPPING. FINAL FIXTURE STYLES AND SPECIFICATIONS SHALL BE APPROVED BY THE TOWN OF COVENTRY STAFF.
- ANY DRAINAGE, COMMON DRIVEWAY, CONSERVATION, UTILITY AND ANY OTHER APPLICABLE EASEMENTS SHALL BE PLACED ON THE DEEDS FOR EACH LOT AFFECTED.
- INDIVIDUAL SITE PLANS ARE REQUIRED FOR EACH LOT PRIOR TO HOUSE CONSTRUCTION. THESE PLANS SHALL SHOW THE FOLLOWING: PROPOSED EROSION AND SEDIMENT CONTROLS, HOUSE LOCATION, SEPTIC SYSTEM, WELL, DRIVEWAY, CURTAIN DRAINS (IF REQUIRED, FOOTING DRAINS) AND GRADING.
- STONE WALLS SHALL BE PRESERVED WHENEVER POSSIBLE.
- INDIVIDUAL CLEARING LIMITS OF EACH LOT SHALL BE FLAGGED BY A LICENSED LAND SURVEYOR AND CERTIFIED, TO THE TOWN OF COVENTRY, TO BE CONSISTENT WITH THE INDIVIDUAL LOT DEVELOPMENT PLAN PRIOR TO THE START OF ANY SITE DISTURBANCE.
- PRIOR TO ISSUANCE OF A ZONING PERMIT TO CONSTRUCT THE PROPOSED HOUSE THE CONSERVATION EASEMENT AREA SHALL BE DELINEATED WITH THE PROPER SIGNS AND THE REQUIRED DEED OR DEEDS FILED ON THE TOWN OF COVENTRY LAND RECORDS.
- INDIVIDUAL LOTS WILL CONTAIN STORM WATER MANAGEMENT STRUCTURES. A NOTICE OF THIS SHALL BE INCLUDED IN THE DEEDS OF INDIVIDUAL LOTS AT THE TIME OF CONVEYANCE.
- STREET TREES SHALL BE PLANTED IN ACCORDANCE WITH SECTION 120B-LANDSCAPING OF THE TOWN OF COVENTRY ROAD REGULATIONS DATED DEC. 14, 1998.
- A LOW IMPACT TRAIL IS TO BE INSTALLED IN THE FEE SIMPLE OPEN SPACE AREA TO CONNECT WITH ROLLING WOODS OPEN SPACE EXISTING TRAILS PER TOWN OF COVENTRY STAFF APPROVAL.
- THE EMERGENCY VEHICLE ACCESS EASEMENT LANGUAGE IS TO BE APPROVED BY TOWN STAFF AND THE TOWN ATTORNEY.

TEST PITS OBSERVED BY:
EASTERN HIGHLANDS HEALTH DISTRICT
GLENN BAGDOIN, RS ON SEPTEMBER 23, 2020

TEST PIT 1	TEST PIT 2	TEST PIT 3	TEST PIT 4	TEST PIT 5	TEST PIT 6	TEST PIT 7	TEST PIT 8	TEST PIT 9	TEST PIT 10	TEST PIT 11	TEST PIT 12	TEST PIT 13	TEST PIT 14	TEST PIT 15
0-5" TOPSOIL 6-12" TAN SANDY LOAM 12-48" MOTTLED SANDY TILL MOTTLING @ 12" DEPTH 48" NO LEDGE ROOTS @ 12"	0-5" TOPSOIL 6-12" TAN SANDY LOAM 12-60" MOTTLED SANDY TILL MOTTLING @ 12" NO LEDGE UNSATURABLE <18"	0-5" TOPSOIL 5-19" TAN SANDY LOAM 19-74" GREY MOTTLED SANDY TILL MOTTLING @ 19" DEPTH 74" NO LEDGE ROOTS 19"	0-5" TOPSOIL 6-19" TAN SANDY LOAM 19-70" GREY MOTTLED SANDY TILL MOTTLING @ 19" DEPTH 54" ROOTS 19"	0-5" TOPSOIL 6-22" BROWN/TAN SANDY LOAM 22-72" GREY COMPACT SANDY TILL MOTTLING @ 22" DEPTH 72" NO LEDGE ROOTS 22"	0-5" TOPSOIL 5-19" TAN SANDY LOAM 19-54" MOTTLED SANDY TILL MOTTLING @ 19" DEPTH 48" NO LEDGE ROOTS @ 20"	0-5" TOPSOIL 5-19" TAN SANDY LOAM 19-74" GREY MOTTLED SANDY TILL MOTTLING @ 22" DEPTH 74" NO LEDGE ROOTS 19"	0-5" TOPSOIL 6-19" GREY MOTTLED SANDY TILL TAN SANDY LOAM MIXED MOTTLING @ 8" DEPTH 70" ROOTS 10"	0-5" TOPSOIL 8-70" MOTTLED TAN SANDY TILL GREY SANDY TILL UNSATURABLE MOTTLING @ 8" DEPTH 72" ROOTS 12"	0-5" TOPSOIL 6-18" TAN SANDY LOAM 18-54" COMPACT SANDY TILL MOTTLED MOTTLING @ 18" DEPTH 64" NO LEDGE ROOTS @ 20"	0-5" TOPSOIL 6-72" MOTTLED GRAY SANDY TILL NO LEDGE MOTTLING @ 23" DEPTH 60" ROOTS 23"	0-5" TOPSOIL 5-18" TAN SANDY LOAM 18-72" GREY COMPACT SANDY TILL MOTTLING @ 18" DEPTH 72" NO LEDGE ROOTS 18"	0-5" TOPSOIL 6-20" TAN SANDY LOAM 20-68" GREY COMPACT SANDY TILL MOTTLING @ 20" NO LEDGE DEPTH 68" ROOTS 20"	0-5" TOPSOIL 8-22" TAN SANDY LOAM 22-72" GREY COMPACT SANDY TILL MOTTLED MOTTLING @ 22" NO LEDGE DEPTH 72" ROOTS 22"	0-5" TOPSOIL 6-18" TAN SANDY LOAM 18-66" MOTTLED SANDY TILL MOTTLING @ 18" NO LEDGE DEPTH 66"

PERCOLATION TEST RESULTS
PERFORMED BY - BUSHNELL ASSOCIATES LLC

PERC A
10/2/20
PRE-SOAK 12:00 PM
START @ 1:45 PM
19" DEEP HOLE

TIME	READING (IN.)	DIFFERENCE (IN.)
0	3	-
5	4 1/4	1/4
10	5 1/2	1 1/4
15	6	1/2
20	6 3/4	3/4
25	7 1/4	1/2
30	8 1/4	1
35	8 3/4	1/2
40	9 1/4	1/2
45	9 3/4	1/2
50	10 1/4	1/2
55	10 3/4	1/2
60	11	1/4
65	11 1/4	1/4
70	11 1/2	1/4
75	12	1/2
80	12 1/4	1/4

PERCOLATION RATE = 10-20 MIN./IN.

PERC B
10/2/20
PRE-SOAK 12:30 PM
START @ 1:45 PM
20" DEEP HOLE

TIME	READING (IN.)	DIFFERENCE (IN.)
0	3 1/2	-
5	8 1/2	5
10	11	2 1/2
15	12 1/2	1 1/2
20	14	1 1/2
25	15	1
30	16	1
35	16 1/2	1/2
40	17 1/2	1
45	OUT	

PERCOLATION RATE = 1-10 MIN./IN.

LOT 1 SEPTIC SYSTEM DESIGN CALCULATIONS:

RESTRICTIVE LAYER 19" MOTTLING (TEST PIT 6)
PERCOLATION RATE: 10, 1-20 MIN./IN.
GROUND SLOPE: 4.1-6.0%
4 BEDROOM HOUSE
MLSS = 42 HF X 1.25 PF X 1.75 FF = 91.875 FT.
PROVIDED: 3-92 FT. ROWS OF 4FT WIDE STONE AND PIPE LEACHING TRENCH @ 3.0 SQ. FT./FT. EFFECTIVE LEACHING AREA
EFFECTIVE LEACHING AREA REQUIRED / PROVIDED (SQ. FT.) 787.50 / 828.00

LOT 2 SEPTIC SYSTEM DESIGN CALCULATIONS:

RESTRICTIVE LAYER 18" MOTTLING (TEST PIT 10&12)
PERCOLATION RATE: 10, 1-20 MIN./IN.
GROUND SLOPE: 3.1-4.0%
4 BEDROOM HOUSE
MLSS = 48 HF X 1.25 PF X 1.75 FF = 105.00 FT.
PROVIDED: 2-132 FT. ROWS OF 4FT WIDE STONE AND PIPE LEACHING TRENCH @ 3.0 SQ. FT./FT. EFFECTIVE LEACHING AREA
EFFECTIVE LEACHING AREA REQUIRED / PROVIDED (SQ. FT.) 787.50 / 792.00

PLAN PREPARED FOR

DEBBIEANN DURKIN

ZEYA DRIVE COVENTRY, CT.

CONSTRUCTION / E&S/ SEPTIC DETAILS

SCALE: NONE DATE: 11/13/2020 FILE NO. 2020-84 SHEET: 3 OF 3

BUSHNELL ASSOCIATES LLC.

CIVIL ENGINEERING AND LAND SURVEYING
563 WOODBRIDGE STREET MANCHESTER, CT. 06042
860-643-7875

REVISIONS: