SURVEY NOTES:

1.) THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20-300b-1 THRU 20-300b-20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES "MINIMUM STANDARDS OF ACCURACY, CONTENT AND CERTIFICATION FOR SURVEYS AND MAPS". AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS INC. ON AUGUST 29, 2019. IT IS A LIMITED PROPERTY/BOUNDARY IMPROVEMENT LOCATION SURVEY MAP BASED ON A RESURVEY CONFORMING TO HORIZONTAL SURVEY ACCURACY CLASS A-2 AND TOPOGRAPHIC ACCURACY CLASS T-2. THE INTENT OF THIS MAP IS TO DEPICT THE LOCATION OF THE PROPOSED OR EXISTING IMPROVEMENTS SHOWN WITH RESPECT TO THE APPLICABLE MUNICIPAL OR STATUTORY REQUIREMENTS.

2.) PROPERTY IS LOCATED IN A RR ZONE.

3.) THE PROPERTY IS NOT LOCATED IN A FLOOD HAZARD ZONE A PER FIRM FLOOD INSURANCE RATE MAP NUMBER 090110 0010D EFFECTIVE JUNE 11, 1982.

4.) TOPOGRAPHY DEPICTED WAS FIELD DERIVED BY BUSHNELL ASSOCIATES LLC. USING AN ASSUMED DATUM.

MAP REFERENCES:

1.) FINAL PLOT PLAN HEMLOCK RIDGE PREPARED FOR LAWRENCE FIANO LEWIS HILL ROAD COVENTRY, CONN. SHEET 1 OF 6 ALFORD ASSOCIATES, INC. CIVIL ENGINEERS WINDSOR, CONNECTICUT SCALE: 1 IN. = 40 FT. DATE: NOV. 15, 1988 REVISED TO 10/2/89

2.) PLAN PREPARED FOR L.B.S. DEVELOPMENT COMPANY EASTVIEW DRIVE & GARDNER TAVERN ROAD COVENTRY, CT. SUBDIVISION PLAN SCALE: 1"=100' DATE: 7/22/92 FILE NO. 91098 SHEET 3 OF 15 HOLMES & HENRY ASSOCIATES - CONSULTING ENGINEERS - LAND SURVEYORS - LAND PLANNERS - 2179 BOSTON TPKE. COVENTRY, CT. 06238 (203) 742-0340 REVISED TO 6/24/93

3.) PLOT PLAN PREPARED FOR DARBY POLLANSKY LEWIS HILL ROAD COVENTRY, CONNECTICUT DATE: SEPTEMBER 15, 1998 SCALE: 1"=40' REVISED: SEPTEMBER 23, 1998 OWNER DARBY POLLANSKY 92 ROSS AVENUE COVENTRY, CONNECTICUT DATUM ENGINEERING & SURVEYING, LLC 132 CONANTVILLE ROAD MANSFIELD CENTER, CT 06250 (860) 456-1357 JOB NO. 98-07-10

4.) RESUBDIVISION PLAN RESUBDIVISION OF WINDSWEPT FARMS COVENTRY, CONNECTICUT GARDNER & PETERSON ASSOCIATES 178 HARTFORD TURNPIKE TOLLAND, CONNECTICUT PROFESSIONAL ENGINEERS LAND SURVEYORS BY E.R.P. SCALE 1"=100' DATE 11-21-2002 SHEET NO. 2 OF 15 MAP NO. 9703-RS MASTERFILE MAP #3026 REVISED TO 9/11/2003

5.) FOUNDATION ONLY AS-BUILT TOWN ENGINEERING, INC. CIVILL ENGINEERS AND LAND SURVEYORS ROUTE 32 AND RICHMOND LANE, SOUTH WINDHAM CT TEL (860) 423-8371/889-2100 FAX 423-6470 ZONING LOCATION SURVEY PREPARED FOR ANDREW M. POLLANSKY (ASSESSOR'S MAO 23 LOT #27) 113 LEWIS HILL ROAD COVENTRY, CONNECTICUT DATE 01/15/2022 SCALE 1"=30' BOOK NO. 494 DRAWN JHB DISC NO. 21-018.CRD DESIGNED JHB CAD DWG 21-018-ASB CHECKED MDM SHEET NO.. 1 OF 1 JOB NO. 21-018

CONSTRUCTION NOTES:

1.) OWNER OR CONTRACTOR IS.RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.

2.) 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.

3.) PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY ALL BOUNDARY MARKERS SHALL BE SET BY A LICENSED LAND SURVEYOR.

4.) PRESERVE ANY EXISTING STONE WALLS WHEREVER POSSIBLE.

5.) ANY TREES TO BE REMOVED IN THE TOWN RIGHT OF WAY SHALL BE POSTED BY THE TREE WARDEN PRIOR TO REMOVAL.

6.) ALL PROPOSED UTILITIES LOCATIONS SHALL BE APPROVED BY THE LOCAL UTILITY COMPANIES PRIOR TO THE START OF CONSTRUCTION.

8.) CLEARING LIMITS SHALL BE FLAGGED BY A SURVEYOR PRIOR TO ANY SITE DISTURBANCE.

THE WETLAND SOILS ON THIS MAP WERE IDENTIFIED IN THE FIELD USING THE CRITERIA REQUIRED BY CT PA 72-155 AS AMENDED BY PA 73-571 AND ARE SUBSTANTIALLY ACCURATELY REPRESENTED ON THIS PLAN.

RICHARD ZULICK
CERTIFIED SOIL SCIENTIST

MAY 18, 2022
DATE

GRAPHIC SCALE
0' 20' 40' 60'
SCALE 1"=20'

AREA OF WETLANDS IMPACTED 1,611 SQ. FT. 0.04 ACRES

AREA UPLAND REVIEW AREA IMPACTED: 6,788 SQ.FT./ 0.16 ACRES

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

ANDREW F. BUSHNELL P.E. L.S. 24591
THIS MAP IS NOT VALID UNLESS IT BEARS THE EMBOSSED SEAL OF THE LICENSED LAND SURVEYOR WHOSE REGISTRATION NUMBER AND SIGNATURE APPEAR ABOVE.

UTILITIES SHOWN ON THIS MAP WERE DERIVED FROM FIELD LOCATIONS AND EXISTING MAPPING CONTRACTOR TO VERIFY LOCATIONS AND DEPTH IN THE FIELD PRIOR THE START OF ANY CONSTRUCTION. "CALL BEFORE YOU DIG (1-800-922-4455)."

LEGEND

- EXISTING MERESTONE
- IRON ROD TO BE SET
- EXISTING IRON ROD
- PROPOSED WELL
- PROPOSED SILT FENCE/ LIMIT OF DISTURBANCE
- LIMIT OF DISTURBANCE
- STONE WALL
- EXISTING UTILITY POLE
- PROPOSED SPOT GRADE
- EXISTING SPOT GRADE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- TEST HOLE
- PERC — PERCOLATION TEST
- EDGE OF FIELD LOCATED WETLANDS
- WF 20 — WETLANDS FLAG
- PROPOSED UNDERGROUND UTILITIES
- 1250 — PROPOSED 1250 GALLON SEPTIC TANK

PLAN PREPARED FOR

GARRETT ROOKE

LEWIS HILL ROAD COVENTRY, CT.

SITE PLAN

SCALE: 1"=20'	DATE: 5/20/2022	FILE NO. 2022-9	SHEET: 1 OF 2

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

REVISIONS:

CONSTRUCTION NOTES:
1.) OWNER OR CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.

2.) 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.

3.) PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY ALL BOUNDARY MARKERS SHALL BE SET BY A LICENSED LAND SURVEYOR.

4.) PRESERVE ANY EXISTING STONE WALLS WHEREVER POSSIBLE.

5.) ANY TREES TO BE REMOVED IN THE TOWN RIGHT OF WAY SHALL BE POSTED BY THE TREE WARDEN PRIOR TO REMOVAL.

6.) ALL PROPOSED UTILITIES LOCATIONS SHALL BE APPROVED BY THE LOCAL UTILITY COMPANIES PRIOR TO THE START OF CONSTRUCTION.

SEPTIC SYSTEM DESIGN NOTES AND CRITERIA

SEPTIC SYSTEM DESIGN AND INSTALLATION TO COMPLY WITH CONNECTICUT PUBLIC HEALTH CODE REGULATIONS AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS REVISED JANUARY 1, 2018.

MINIMUM LEACHING SYSTEM SPREAD (MLSS) CALCULATION:
NUMBER OF BEDROOMS 4
PERCOLATION RATE 1-10.0 MIN./INCH
RESTRICTIVE LAYER 29" TEST PIT 6
GROUND SLOPE 6.-8.0%
MLSS: 28 H.F. X 1.75 F.F. X 1.0 P.F.= 49.0 FT. MINIMUM

REQUIRED: 1250 GALLON TWO-COMPARTMENT SEPTIC TANK
AND 577.5 SQ. FT. OF EFFECTIVE LEACHING AREA.

PROVIDED: 1,250 GALLON TWO-COMPARTMENT CONCRETE SEPTIC TANK WITH APPROVED EFFLUENT FILTER. NO GARBAGE DISPOSAL, WATER SOFTENING SYSTEM OR OVERSIZED TUB TO BE INSTALLED IN THE HOUSE. (ACCESS RISERS REQUIRED TO LESS THAN 12" FROM FINAL GRADE). 195 LINEAL FEET OF 4FT. WIDE STONE TRENCHES (EFFECTIVE LEACHING CREDIT 3 SQ. FT./FT) WITH AN EFFECTIVE LEACHING AREA OF 585 SQ.FT. MINIMUM SPACING OF 8FT. ON CENTER. WITH HOUSE SEWER PIPE OF 4" DIA. SCHEDULE - 40 ASTM D-1785 / ASTM D-2665.

TRENCH BOTTOMS TO BE NO MORE THAN 11" BELOW ORIGINAL GRADE.

THE SEPTIC SYSTEM AREA SHALL NOT BE DISTURBED PRIOR TO STAKEOUT OF THE SYSTEM BY THE DESIGN ENGINEER.

THE DESIGN ENGINEER SHALL STAKE OUT THE SEPTIC SYSTEM, SET A LOCAL BENCHMARK AND SUPPLY THE EASTERN HIGHLANDS HEALTH DISTRICT WITH A STAKING VERIFICATION MEMO BEFORE A PERMIT TO INSTALL THE SYSTEM WILL BE ISSUED.

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 8% PASSING THE #200 SIEVE BASED ON A WET SIEVE TEST CANNOT BE APPROVED BY THE DESIGN ENGINEER.
1.) THE SELECT FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN THE THREE (3) INCH SIEVE.
2.) UP TO 45% OF THE DRY WEIGHT OF THE REPRESENTATIVE SAMPLE MAY BE RETAINED ON THE #4 SIEVE
3.) THE MATERIAL THAT PASSES THE #4 SIEVE IS THEN REWEIGHED AND THE SIEVE ANALYSIS STARTED.
4.) THE REMAINING SAMPLE SHALL MEET THE FOLLOWING GRADATION CRITERIA.

SIEVE SIZE	PERCENT PASSING WET SIEVE	DRY SIEVE
#4	100	100
#10	70 - 100	70 - 100
#40	10 - 50*	10-75
#100	0 - 20	0 - 5
#200	0 - 8	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 CRITERIA IS ACCEPTABLE.

THE LICENSED INSTALLER IS RESPONSIBLE FOR PREPARING THE LEACHING AREA WITH REQUIRED SELECT FILL.THE TOPSOIL IN THE LEACHING AREA MUST BE COMPLETELY REMOVED AND THE SUBSOIL SCARIFIED PRIOR TO SELECT FILL PLACEMENT. THE INSTALLER SHALL TAKE NECESSARY STEPS TO PROTECT THE UNDERLYING NATURALLY OCCURRING SOIL FROM FROM OVERCOMPACTION, SILTATION OR OTHER DAMAGE. THE INSTALLER IS RESPONSIBLE FOR PROPERLY COMPACTING THE SELECT FILL TO FACILITATE CONSTRUCTION AND TO PREVENT SETTLING. SELECT FILL SHALL EXTEND A MINIMUM OF FIVE (5) FEET LATERALLY IN ALL DIRECTIONS BEYOND THE OUTER PERIMETER OF THE LEACHING AREA.

TEST PITS OBSERVED BY:
EASTERN HIGHLANDS HEALTH DISTRICT
MARCH 10, 2022

TEST PIT 1
0-9" TOPSOIL
9-30" TAN-BROWN SANDY LOAM
30-84" GREY MOTTLED SANDY TILL
DEPTH 84"
NO LEDGE
SEEPAGE 36"
MOTTLING 30"
ROOTS TO 30"

TEST PIT 2
0-8" TOPSOIL
8-30" TAN-BROWN SANDY LOAM
30-72" DAMP MOTTLED SANDY TILL

DEPTH 72"
NO LEDGE
SEEPAGE 38"
MOTTLING 30"
ROOTS TO 30"

TEST PIT 3
0-8" TOPSOIL
8-28" BROWN-TAN SANDY LOAM
28-75" MOTTLED GREY SANDY TILL
WET - DAMP

DEPTH 75"
NO LEDGE
SEEPAGE 32"
MOTTLING 28"
ROOTS TO 28"

PERCOLATION TEST RESULTS
PERFORMED BY -
BUSHNELL ASSOCIATES LLC

PERC 1
3/16/22
PRE-SOAK 3/15/2022
2:15 PM DRY START (3/16/2022)
20" DEEP HOLE

TIME	READING (IN.)	DIFFERENCE (IN.)
0	6 1/2	-
5	10 1/2	4
10	13 1/4	2 3/4
15	15 1/2	2 1/4
20	17	1 1/2
25	18	1
30	19	1
35	DRY	

PERCOLATION RATE: 1-10.0 MIN./INCH

TEST PITS OBSERVED BY:
EASTERN HIGHLANDS HEALTH DISTRICT
MAY 19, 2022

TEST PIT 4
0-8" TOPSOIL
8-25" BROWN SANDY LOAM
25-30" GREY/TAN SANDY LOAM
30-70" GRAY COMPACT MOTTLED SANDY LOAM
DEPTH 70"
NO LEDGE
NO SEEPAGE
MOTTLING 30"
ROOTS TO 30"

TEST PIT 5
0-7" TOPSOIL
7-28" BROWN FINE SANDY LOAM
28-32" GREY-TAN SANDY LOAM
32-64" GREY COMPACT SANDY TILL MOTTLED

DEPTH 64"
NO LEDGE
NO SEEPAGE
MOTTLING 32"

TEST PIT 6
0-7" TOPSOIL
7-24" BROWN FINE SANDY LOAM
24-29" TAN-GREY SANDY LOAM
29-68" GREY COMPACT SANDY LOAM MOTTLED

DEPTH 68"
NO LEDG9
NO SEEPAGE
MOTTLING 29
ROOTS TO 29

TEST PIT 7
0-6" TOPSOIL
6-28" BROWN FINE SANDY LOAM
28-34" TAN-GREY SANDY LOAM HEAVY TREE ROOTS
34-54" TAN-GREY SANDY TILL MOTTLED

DEPTH 64"
NO LEDGE
NO SEEPAGE
MOTTLING 34
ROOTS TO 32

PERCOLATION TEST RESULTS
PERFORMED BY -
BUSHNELL ASSOCIATES LLC

PERC 2
5/20/2022
PRE-SOAK 3/19/2022
1:23 PM DRY START (5/20/2022)
20" DEEP HOLE

TIME	READING (IN.)	DIFFERENCE (IN.)
0	9	-
5	10 1/4	1 1/4
10	10 3/4	1/2
15	11 1/2	3/4
20	12	1/2
25	12 1/2	1/2
30	13	1/2
35	13 1/2	1/2
40	14	1/2
45	15	1
50	15 1/2	1/2
55	16	1/2

PERCOLATION RATE: 1-10.0 MIN./INCH

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.

1.) 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.

2.) CLEAR TREES AS REQUIRED.

3.) 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 HEBRON EROSION CONTROL OFFICER WITH THE NAME AND PHONE NUMBER OF A CONTACT PERSON RESPONSIBLE FOR THE EROSION CONTROL MEASURES.

3.) PERIODICALLY AND AFTER LARGE RAIN EVENTS INSPECT EROSION CONTROL MEASURES AND REPAIR AS NECESSARY.

4.) GRUB AND STRIP TOPSOIL. STOCKPILE TOPSOIL IN AREAS INDICATED ON THE APPROVED PLAN.

5.) CONSTRUCT AND STABILIZE DRIVEWAY.

6.) CONSTRUCT HOUSE, WELL, DRIVEWAY , SEPTIC SYSTEM AND OTHER IMPROVEMENTS AS SHOWN.

7.) SPREAD STOCKPILED TOPSOIL. MACHINE RAKE, FERTILIZE, SEED AND MULCH DISTURBED AREAS. USE GRASS SEED THAT IS ACCEPTABLE FOR THE SITE CONDITIONS (I.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.

8.) REMOVE EROSION CONTROL MEASURES AFTER THE SITE HAS BECOME FULLY ESTABLISHED.

9.) ANY EXISTING DISTURBED AREAS MUST BE SEEDED WITH PERMANENT OR TEMPORARY GROUND COVER AND MULCHED BY OCTOBER 15.

10.) DEWATERING OPERATIONS, IF REQUIRED, SHALL UTILIZE A CRUSHED STONE INTAKE SUMP AND A TEMPORARY OUTLET SILT POOL LOCATED WITHIN THE LIMITS OF DISTURBANCE.

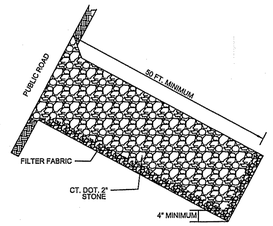
SITE SEEDING NOTES:
PREPARATION: FINE GRADE AND RAKE SOIL SURFACE TO REMOVE STONES LARGER THAN 2" IN DIAMETER. INSTALL SEEDED EROSION CONTROL DEVICES SUCH AS SURFACE WATER DIVERSIONS AS REQUIRED. APPLY LIMESTONE AT A RATE OF 2 TONS/AC. OR 90 LBS./1000 SQ.FT. FERTILIZE WITH 10-10-10 AT A RATE OF 300 LBS./AC. 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 BETWEEN THE TIMES SHOWN ON THE CHART BELOW. IF SEEDING CANNOT BE DONE DURING THESE TIMES, REPEAT MULCHING PROCEDURE BELOW UNTIL SEEDING CAN TAKE PLACE.

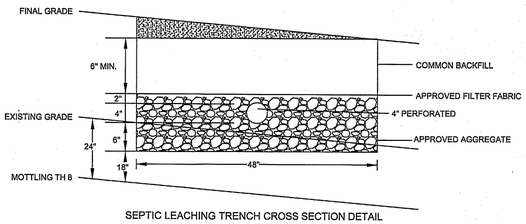
MULCHING: IMMEDIATELY FOLLOWING SEEDING, MULCH THE SEED SURFACE WITH STRAW OR HAY AT A RATE OF 2 TO 3 TONS/AC. SPREAD MULCH BY HAND OR MULCH BLOWER. PUNCH MULCH INTO SOIL SURFACE WITH A TRACK MACHINE OR DISK HARROW SET STRAIGHT UP. IF USING HYDRO SEED MIX USE TACTIFIER ADDITIVES TO ADHERE MULCH MATERIAL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

SEED SELECTION: USE	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
		OR	
	1.0	ANNUAL RYEGRASS	3/1-6/15,8/1-10/15

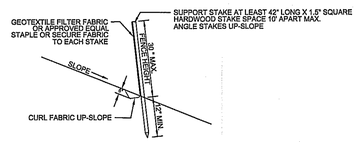
IF SEED IS PLANTED OUTSIDE THE RECOMMENDED SEEDING DATES IRRIGATION MAYBE REQUIRED AT A UNIFORM APPLICATION RATE OF 1 TO 2 INCHES OF WATER APPLIED PER APPLICATION, SOAKING THE GROUND TO A DEPTH OF 4 INCHES.



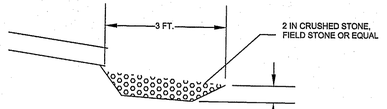
ANTI - TRACKING CONSTRUCTION ENTRANCE
NOT TO SCALE



SEPTIC LEACHING TRENCH CROSS SECTION DETAIL
NOT TO SCALE

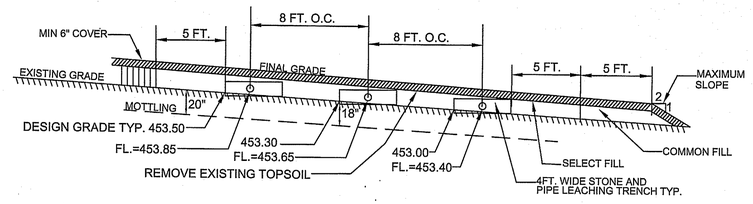


SILT FENCE DETAIL
NOT TO SCALE

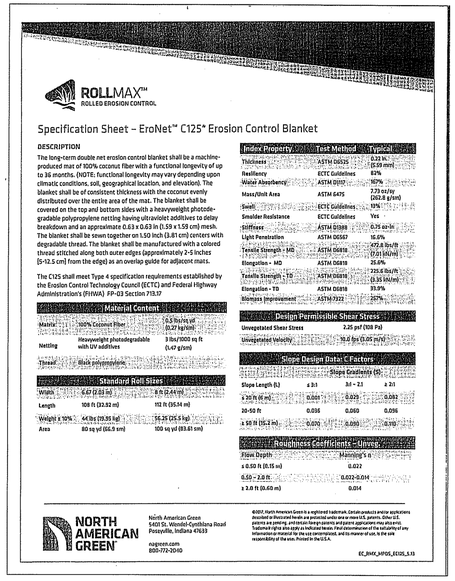


FOOTING DRAIN OUTLET DETAIL
NOT TO SCALE

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



LEACHING SYSTEM CROSS SECTION
SCALE1"=5'


ROLLMAX™
ROLLED EROSION CONTROL

Specification Sheet – EroNet™ C125* Erosion Control Blanket

DESCRIPTION

The long-term double net erosion control blanket shall be a machine-produced mat of 100% coconut fiber with a functional longevity of up to 36 months. (NOTE: functional longevity may vary depending upon climatic conditions, soil, geographical location, and elevation). The blanket shall be of consistent thickness with the coconut evenly distributed over the entire area of the mat. The blanket shall be covered on the top and bottom sides with a heavyweight photodegradable polypropylene netting having ultraviolet additives to delay breakdown and an approximate 0.63 x 0.63 in (1.59 x 1.59 cm) mesh. The blanket shall be sewn together on 1.50 inch (3.81 cm) centers with degradable thread. The blanket shall be manufactured with a colored thread stitched along both outer edges (approximately 2-5 inches [5-12.5 cm] from the edge) as an overlap guide for adjacent mats.

The C125 shall meet Type 4 specification requirements established by the Erosion Control Technology Council (ECTC) and Federal Highway Administration's (FHWA) FP-03 Section 713.17

Material Content		
Matrix	100% Coconut Fiber	0.5 lbs/sq yd (0.27 kg/m2)
Netting	Heavyweight photodegradable with UV additives	3 lbs/1000 sq ft (1.47 g/cm)
Thread	Black polypropylene	

Standard Roll Sizes			
Width	6.67 ft (2.03 m)	8 ft (2.44 m)	
Length	108 ft (32.92 m)	112 ft (34.14 m)	
Weight ± 10%	44 lbs (19.95 kg)	56.25 (25.5 kg)	
Area	80 sq yd (66.5 sm)	100 sq yd (83.61 sm)	

Index Property	Test Method	Typical
Thickness	ASTM D6525	0.33 in (8.39 mm)
Resiliency	ECTC Guidelines	83%
Water Absorbency	ASTM D1117	707%
Mass/Unit Area	ASTM E470	7.73 oz/sy (262.8 g/sm)
Swell	ECTC Guidelines	97%
Smolder Resistance	ECTC Guidelines	Yes
Stiffness	ASTM D1388	0.75 gr-in
Light Penetration	ASTM D6567	16.6%
Tensile Strength – MD	ASTM D6818	477.8 lbs/ft (7.01 kN/m)
Elongation – MD	ASTM D6818	25.0%
Tensile Strength – TD	ASTM D6818	235.8 lbs/ft (3.35 kN/m)
Elongation – TD	ASTM D6818	35.0%
Biomass Improvement	ASTM 7322	207%

Design Permissible Shear Stress	
Unvegetated Shear Stress	2.25 psf (108 Pa)
Unvegetated Velocity	10.0 fps (3.05 m/s)

Slope Design Data: C Factors			
	Slope Gradients (S)		
Slope Length (L)	≤ 33	34 – 50	≥ 51
≤ 20 ft (6 m)	0.001	0.029	0.063
20-50 ft	0.036	0.060	0.096
≥ 50 ft (15.2 m)	0.070	0.090	0.110

Channel Roughness Coefficients – Unvegetated	
Flow Depth	Manning's n
≤ 0.50 ft (0.15 m)	0.022
0.50 – 2.0 ft	0.022-0.014
≥ 2.0 ft (0.60 m)	0.014

NORTH AMERICAN GREEN
North American Green
5401 St. Wendel-Cynthiana Road
Poseyville, Indiana 47633
nagreen.com
800-772-2040

EC_BMX_MP05_EC125_1.13

STATE OF CONNECTICUT
ANDREW F. BUSHNELL
24591
LICENSED PROFESSIONAL ENGINEER

PLAN PREPARED FOR

GARRETT ROOKE

LEWIS HILL ROAD COVENTRY, CT.

CONSTRUCTION / E&S/ SEPTIC DETAILS

SCALE: NONE	DATE: 5/16/2022	FILE NO. XXX	SHEET: 2 OF 2

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

REVISIONS: