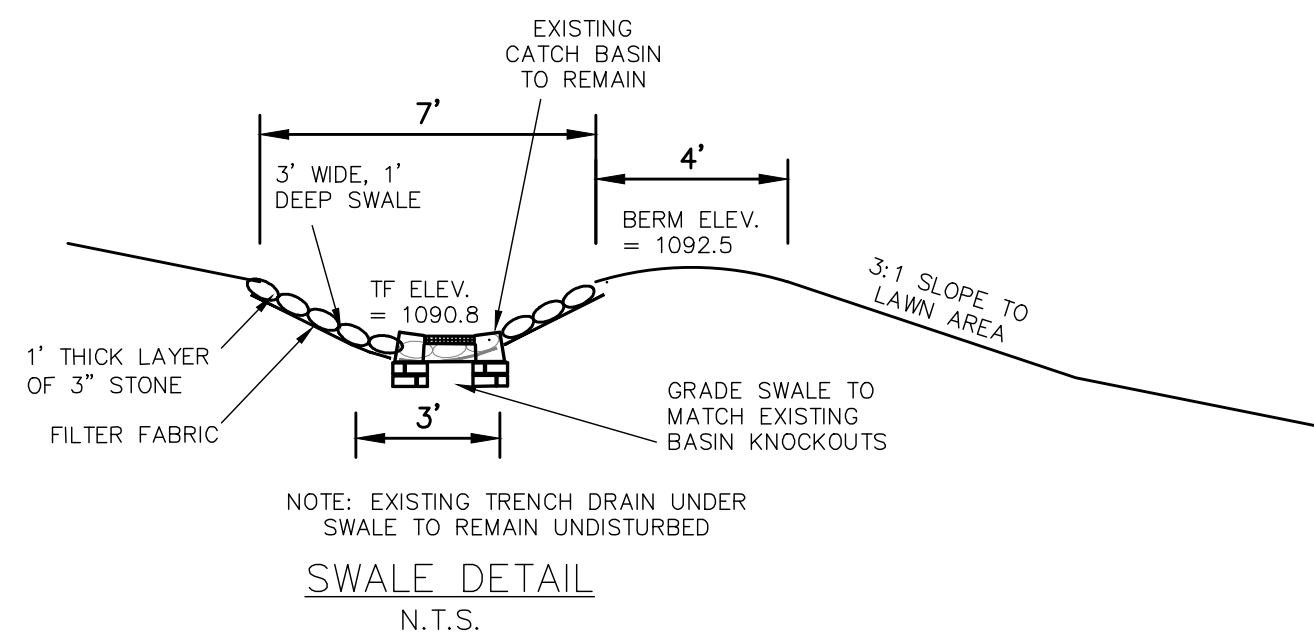
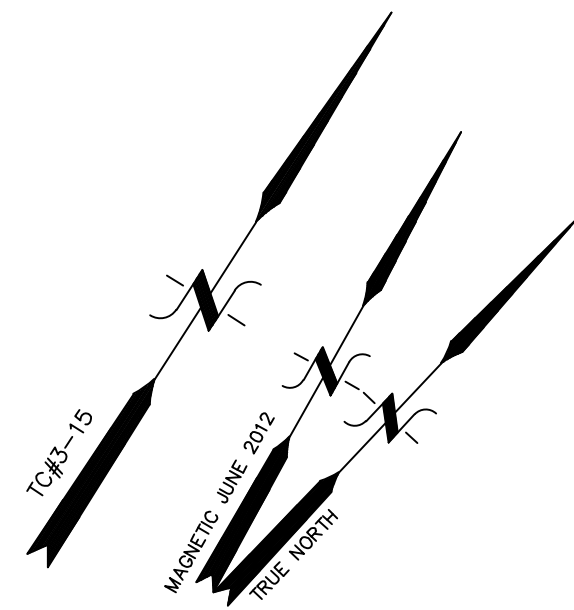
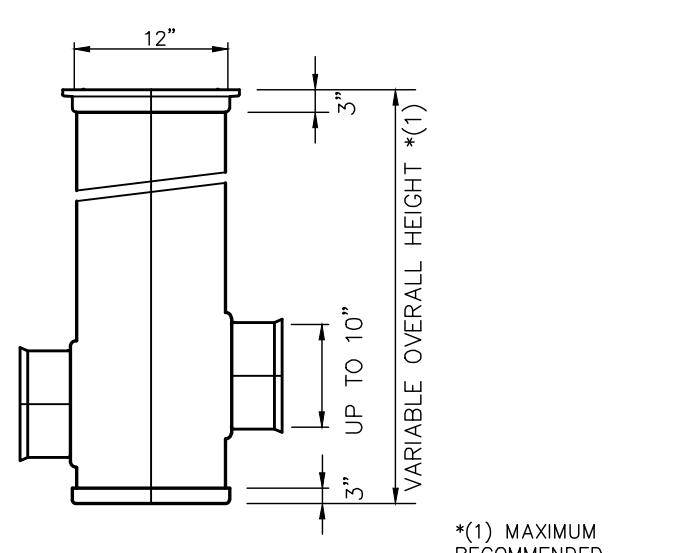
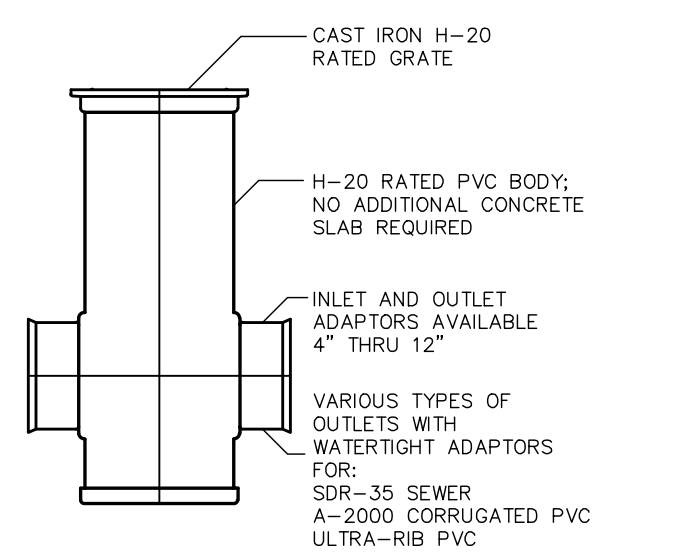
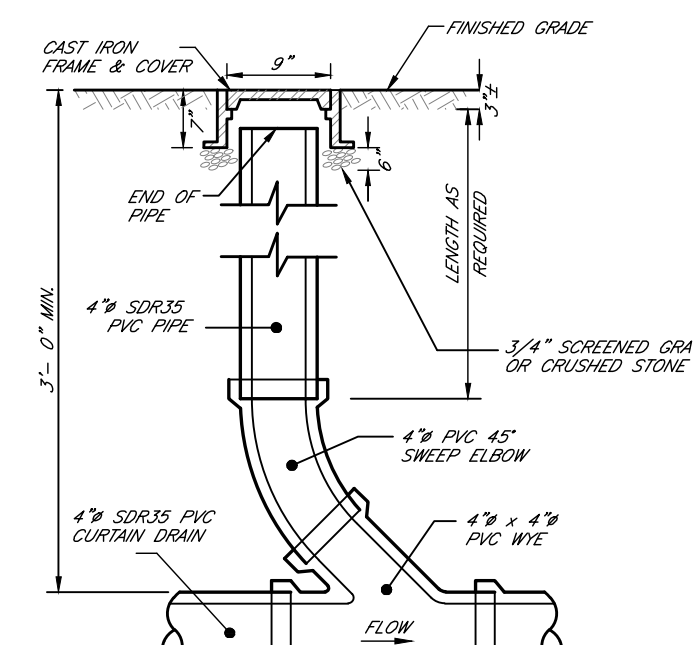
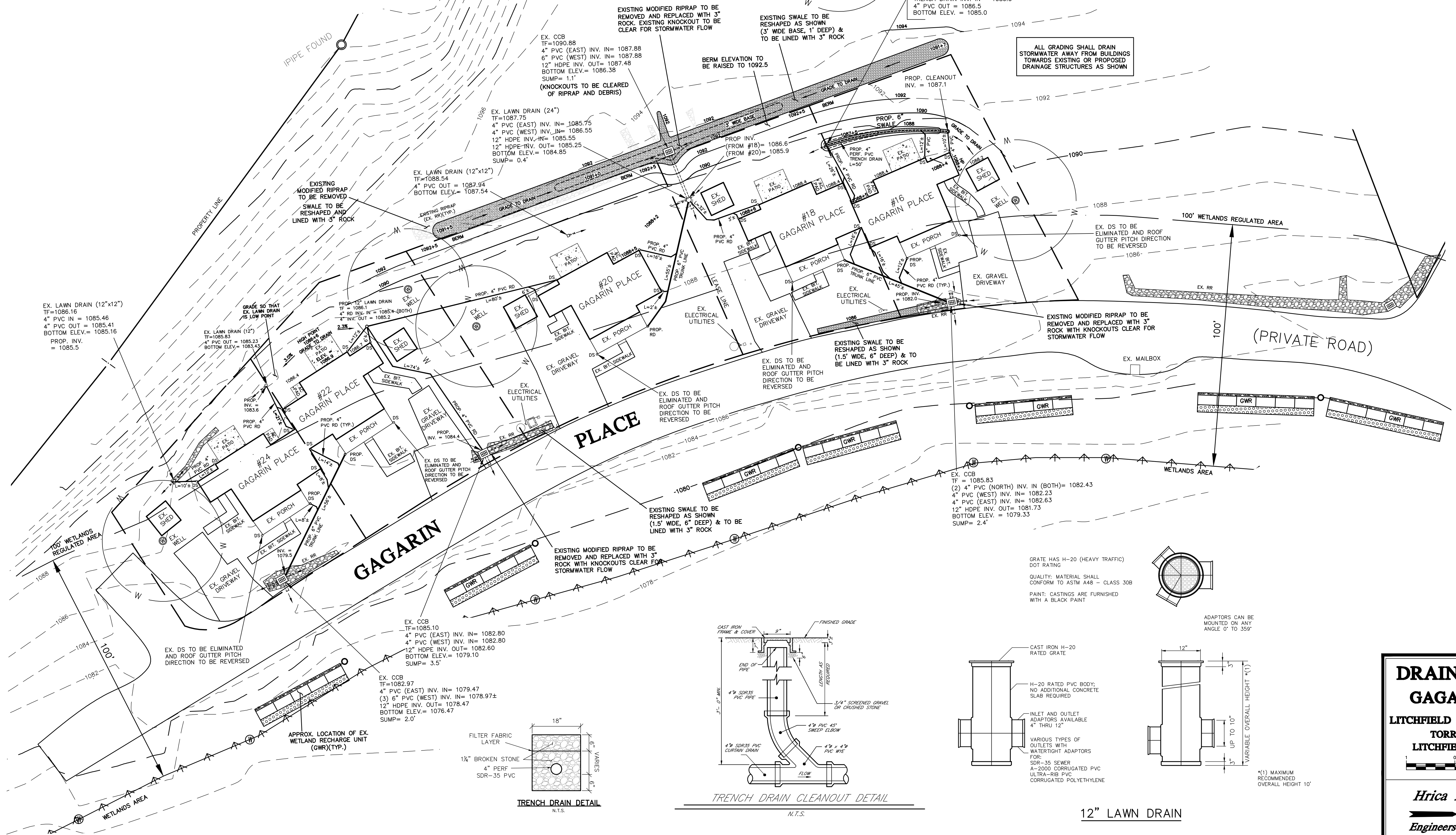




LEGEND	
PROPERTY LINE	---
LEASE LINE	---
EXISTING IRON PIN OR PIPE	○
CATCH BASIN	⊞
WELL	⊙
EXISTING CONTOUR	--- 310 ---
EXISTING SPOT ELEVATION	311.5
PROPOSED CONTOUR	--- 310 ---
PROPOSED SPOT ELEVATION	311+5
EXISTING ROOF DOWN SPOUT	⬇
PROPOSED PVC ROOF DRAIN (LENGTH AS SHOWN)	--- PVC RD L=X'± ---
FLAGGED WETLANDS	--- 310 ---



DRAINAGE PLAN
GAGARIN PLACE
LITCHFIELD HOUSING TRUST, INC.
TORRINGTON ROAD
LITCHFIELD, CONNECTICUT

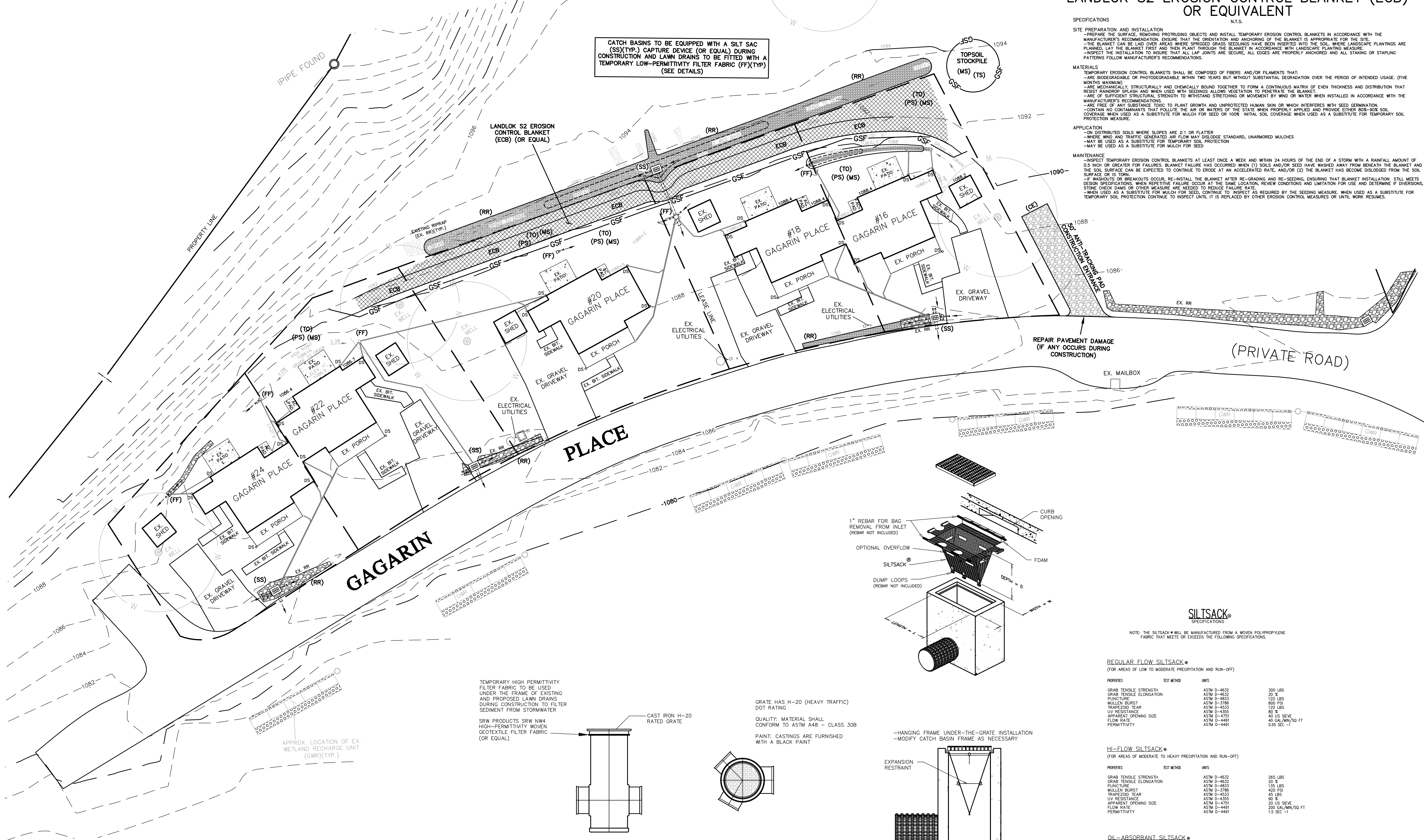
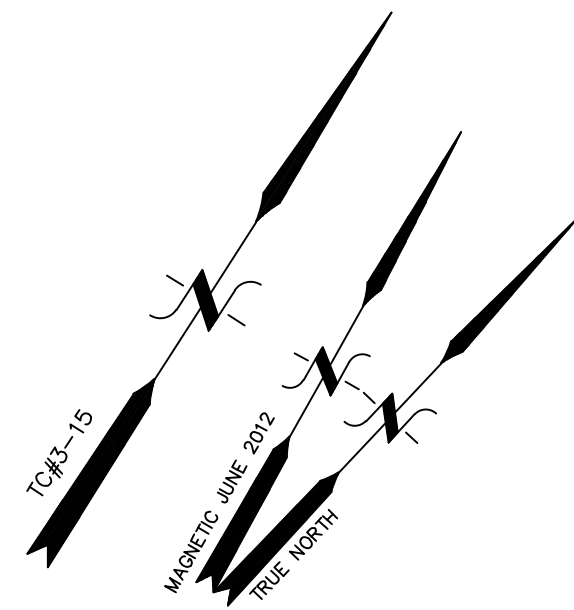
1"=20 ft.

Hrica Associates LLC
Engineers
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Surveyors
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DATE: 09/08/2026	MAP #: 0365
SCALE: 1"=20 ft.	SHEET #: C1 OF 3
DRAWING: 110365	DRAWN BY: TJS
PROJECT #: 11-0365	CHECKED BY: KSH

NOT VALID WITHOUT ORIGINAL SEAL



SLOPE STABILIZATION DETAIL LANDLOK S2 EROSION CONTROL BLANKET (ECB) OR EQUIVALENT

LEGEND

PROPERTY LINE
LEASE LINE
EXISTING IRON PIN OR PIPE
CATCH BASIN
WELL
EXISTING CONTOUR
EXISTING SPOT ELEVATION
PROPOSED CONTOUR
PROPOSED SPOT ELEVATION
EXISTING ROOF DOWN SPOUT
PROPOSED PVC ROOF DRAIN (LENGTH AS SHOWN)
EROSION CONTROL BLANKET

SPECIFICATIONS

SITE PREPARATION AND INSTALLATION

TEMPORARY EROSION CONTROL BLANKETS SHALL BE COMPOSED OF FIBERS AND/OR FILAMENTS THAT:

- ARE IRREDUCIBLE OR PHOTODEGRADABLE WITHIN TWO YEARS BUT WITHOUT SUBSTANTIAL DEGRADATION OVER THE PERIOD OF INTENDED USAGE (FIVE MONTHS MAXIMUM).
- ARE MECHANICALLY, STRUCTURALLY AND CHEMICALLY BOUND TOGETHER TO FORM A CONTINUOUS MATRIX OF EVEN THICKNESS AND DISTRIBUTION THAT RESIST RAINFALL SPLASH AND WHEN USED WITH SEEDINGS ALLOWS VEGETATION TO PENETRATE THE BLANKET.
- ARE OF SUFFICIENT STRUCTURAL STRENGTH TO WITHSTAND STRETCHING OR MOVEMENT BY WIND OR WATER WHEN INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- ARE FREE OF ANY SUBSTANCE TOXIC TO PLANT GROWTH AND UNPROTECTED HUMAN SKIN OR WHICH INTERFERES WITH SEED GERMINATION.
- CONTAIN NO CONTAMINANTS THAT POLLUTE THE AIR OR WATERS OF THE STATE WHEN PROPERLY APPLIED AND PROVIDE EITHER 80%-90% SOIL COVERAGE WHEN USED AS A SUBSTITUTE FOR MULCH FOR SEED OR 100% INITIAL SOIL COVERAGE WHEN USED AS A SUBSTITUTE FOR TEMPORARY SOIL PROTECTION MEASURE.

APPLICATION

- ON DISTURBED SOILS WHERE SLOPES ARE 2:1 OR FLATTER.
- WHERE WIND AND TRAFFIC GENERATED AIR FLOW MAY DISLODGE STANDARD, UNARMORED MULCHES.
- MAY BE USED AS A SUBSTITUTE FOR TEMPORARY SOIL PROTECTION.
- MAY BE USED AS A SUBSTITUTE FOR MULCH FOR SEED.

MAINTENANCE

- INSPECT TEMPORARY EROSION CONTROL BLANKETS AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 0.5 INCH OR GREATER FOR FALLURES. BLANKET FAILURE HAS OCCURRED WHEN (1) SOILS AND/OR SEED HAVE WASHED AWAY FROM BENEATH THE BLANKET AND THE SOIL SURFACE CAN BE EXPECTED TO CONTINUE TO ERODE AT AN ACCELERATED RATE, AND/OR (2) THE BLANKET HAS BECOME DISLODGED FROM THE SOIL SURFACE OR IS TORN.
- IF WASHOUTS OR BREAKOUTS OCCUR, RE-INSTALL THE BLANKET AFTER RE-GRADING AND RE-SEEDING, ENSURING THAT BLANKET INSTALLATION STILL MEETS DESIGN SPECIFICATIONS. WHEN REPETITIVE FAILURE OCCURS AT THE SAME LOCATION, REVIEW CONDITIONS AND LIMITATION FOR USE AND DETERMINE IF DIVERSION, STONE CHECK DAMS OR OTHER MEASURE ARE NEEDED TO REDUCE FAILURE RATE.
- WHEN USED AS A SUBSTITUTE FOR MULCH FOR SEED, CONTINUE TO INSPECT AS REQUIRED BY THE SEEDING MEASURE. WHEN USED AS A SUBSTITUTE FOR TEMPORARY SOIL PROTECTION CONTINUE TO INSPECT UNTIL IT IS REPLACED BY OTHER EROSION CONTROL MEASURES OR UNTIL WORK RESUMES.

SOIL EROSION AND SEDIMENT CONTROL MEASURES

(RR) 3" STONE RIP RAP
(TO) TOP SOILING
(TS) TEMPORARY SEEDING
(PS) PERMANENT SEEDING
(MS) MULCH FOR SEED
(ECB) EROSION CONTROL BLANKET (SEE DETAIL)
(CE) CONSTRUCTION ENTRANCE (SEE DETAIL ON SHEET G3)

REFER TO: 2024 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL DEP BULLETIN 34 FOR PROPER USAGE, INSTALLATION AND MAINTENANCE GUIDELINES.

REGULAR FLOW SILTSACK®

(FOR AREAS OF LOW TO MODERATE PRECIPITATION AND RUN-OFF)

PROPERTIES	TEST METHOD	UNITS	VALUES
GRAB TENSILE STRENGTH	ASTM D-4632	300 LBS	200 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20 %	120 LBS
PUNCTURE	ASTM D-4633	120 LBS	800 PSF
MULLEN BURST	ASTM D-3796	800 PSF	120 LBS
TRAPEZOID TEAR	ASTM D-4633	120 LBS	80 %
UV RESISTANCE	ASTM D-4355	40 US SEVE	40 GAL/MIN/50 FT
APPARENT OPENING SIZE	ASTM D-4751	40 US SEVE	0.55 SEC -1
FLOW RATE	ASTM D-4491	200 GAL/MIN/50 FT	1.5 SEC -1
PERMITTIVITY	ASTM D-4491	0.55 SEC -1	

HI-FLOW SILTSACK®

(FOR AREAS OF MODERATE TO HEAVY PRECIPITATION AND RUN-OFF)

PROPERTIES	TEST METHOD	UNITS	VALUES
GRAB TENSILE STRENGTH	ASTM D-4632	250 LBS	200 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20 %	120 LBS
PUNCTURE	ASTM D-4633	120 LBS	800 PSF
MULLEN BURST	ASTM D-3796	800 PSF	120 LBS
TRAPEZOID TEAR	ASTM D-4633	120 LBS	80 %
UV RESISTANCE	ASTM D-4355	40 US SEVE	40 GAL/MIN/50 FT
APPARENT OPENING SIZE	ASTM D-4751	40 US SEVE	0.55 SEC -1
FLOW RATE	ASTM D-4491	200 GAL/MIN/50 FT	1.5 SEC -1
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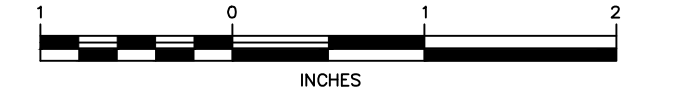
OIL-ABSORBANT SILTSACK®

(FOR AREAS WHERE THERE IS A CONCERN FOR OIL RUN-OFF OR SPILLS)

DEPENDING ON YOUR PARTICULAR APPLICATION, THE SILTSACK CAN BE MADE FROM EITHER ONE OF THE ABOVE FABRICS WITH AN OIL-ABSORBANT PILLOW INSERT OR, MADE COMPLETELY FROM AN OIL-ABSORBANT SILTSACK WITH A WOOLN PILLOW INSERT.

EROSION & SEDIMENT CONTROL PLAN GAGARIN PLACE

LITCHFIELD HOUSING TRUST, INC.
TORRINGTON ROAD
LITCHFIELD, CONNECTICUT



Hrica Associates LLC
Engineers
Kenneth S. Hrica, P.E., R.S.
44 Maple View Trail
P.O. Box 1981
Litchfield, Connecticut 06759

Surveyors
860-567-2112 (business)
860-567-0491 (toll-free)
e-mail: hricaassociates@optonline.net

DATE:	09/08/2026	MAP #:	0365
SCALE:	1"=20 ft.	SHEET #:	C2 OF 3
DRAWING:	110365	DRAWN BY:	TJS
PROJECT #:	11-0365	CHECKED BY:	KSH

(TO) TOPSOILING

- MATERIALS

SITE INVESTIGATIONS SHALL BE MADE TO DETERMINE IF THERE IS SUFFICIENT TOPSOIL OF GOOD QUALITY TO JUSTIFY STRIPPING. HIGH QUALITY TOPSOIL SHALL BE FRABLE AND LOAMY (LOAM, SANDY LOAM, SILT LOAM, SANDY CLAY LOAM, CLAY LOAM). OTHER SOIL TYPES WITH HIGH ORGANIC CONTENT MAY BE FOUND SUITABLE AFTER TESTING. IT SHALL BE FREE OF DEBRIS, TRASH, STUMPS, ROCKS, ROOTS, AND NOXIOUS WEEDS. IT SHALL GIVE EVIDENCE OF BEING ABLE TO SUPPORT HEALTHY VEGETATION. IT SHALL CONTAIN NO SUBSTANCE THAT IS POTENTIALLY TOXIC TO PLANT GROWTH.

ALL TOPSOIL SHALL BE TESTED BY A RECOGNIZED LABORATORY FOR THE FOLLOWING AND SHALL MEET THE REQUIREMENTS GIVEN:

CONTAINING NOT LESS THAN 6% AND NOT MORE THAN 20% ORGANIC MATTER AS DETERMINED BY LOSS-ON-IGNITION OF OVEN DRIED SAMPLES DRIED AT 105 DEGREES CENTIGRADE.
PH RANGE SHALL BE 6.0-7.5. IF PH IS LESS THAN 6.0, LIME SHALL BE ADDED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE VEGETATIVE ESTABLISHMENT PRACTICE BEING USED.
SOLUBLE SALTS SHALL NOT EXCEED 500 PPM.

IF ADDITIONAL OFF-SITE TOPSOIL IS NEEDED, IT MUST MEET THE STANDARDS STATED ABOVE.

- **STRIPPING**
STRIPPING SHALL BE CONFINED TO THE IMMEDIATE CONSTRUCTION AREA. A 4 TO 6 INCH STRIPPING DEPTH IS COMMON, BUT DEPTH MAY VARY DEPENDING ON THE PARTICULAR SOIL. ALL PERMETER DICES, BASINS, AND OTHER SEDIMENT CONTROLS SHALL BE IN PLACE PRIOR TO STRIPPING.

- **STOCKPILING**
- TOPSOIL SHALL BE STOCKPILED IN SUCH A MANNER THAT NATURAL DRAINAGE IS NOT OBSTRUCTED AND NO OFF-SITE SEDIMENT DAMAGE TO ADJACENT RESIDUAL VEGETATION.
- TOPSOIL STOCKPILES NEED TO BE LOCATED AWAY FROM ALL CONSTRUCTION ACTIVITIES.

- **SIDE SLOPES**
THE SIDE SLOPES OF ALL STOCKPILES SHALL NOT EXCEED 2 TO 1

- **SEDIMENT BARRIER**
A SEDIMENT BARRIER OF GEOSYNTHETIC SILT FENCE SHALL SURROUND ALL TOPSOIL STOCKPILES.

- **TEMPORARY SEEDING**
TEMPORARY SEEDING OF GEOSYNTHETIC SHALL BE COMPLETED WITHIN 30 DAYS OF THE FORMATION OF THE STOCKPILE, IN ACCORDANCE WITH THE TEMPORARY VEGETATIVE COVER MEASURE.

- **SITE PREPARATION**
BEFORE TOPSOILING, ESTABLISH NEEDED EROSION AND SEDIMENT CONTROL MEASURES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURE, WATERWAYS, SILT FENCE AND SEDIMENT BASINS. THESE MEASURES MUST BE MAINTAINED DURING TOPSOILING.

- **GRADING**
PREVIOUSLY ESTABLISHED GRASSES ON THE AREAS TO BE TOPSOILED SHALL BE MAINTAINED ACCORDING TO THE APPROVED PLAN.

- **LIMBING**
WHERE THE PH OF THE SUBSOIL IS 6.0 OR LESS, GROUND AGRICULTURAL LIMESTONE SHALL BE SPREAD IN ACCORDANCE WITH THE SOIL TEST OR THE VEGETATIVE ESTABLISHMENT PRACTICE BEING USED.

- **BONDING**
AFTER THE AREA TO BE TOPSOILED HAVE BEEN BROUGHT TO GRADE, AND IMMEDIATELY PRIOR TO SPREADING THE TOPSOIL, THE SUBGRADE SHALL BE LOOSEENED BY DISCING, SCARIFYING OR TRACKING TO A DEPTH OF AT LEAST 4 INCHES TO ENSURE BONDING OF THE TOPSOIL AND SUBSOIL.

- **APPLYING TOPSOIL**
TOPSOIL SHALL NOT BE PLACED WHILE IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBGRADE IS EXCESSIVELY WET, OR IN A CONDITION THAT MAY BE DETRIMENTAL TO PROPER GRADING OR PROPOSED SODDING OR SEEDING. THE TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED TO A MINIMUM COMPACTED DEPTH OF 4 INCHES. ANY IRREGULARITIES IN THE SURFACE RESULTING FROM TOPSOILING OR OTHER OPERATIONS SHALL BE CORRECTED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS OR WATER POCKETS. IT IS NECESSARY TO COMPACT THE TOPSOIL ENOUGH TO ENSURE GOOD CONTACT WITH THE UNDERLYING SOIL AND TO OBTAIN A UNIFORM FIRM SUBGRADE FOR THE ESTABLISHING OF THE VEGETATIVE TURF.

HOWEVER, UNIFORM COMPACTION IS TO BE AVOIDED AS IT INCREASES AIR-VOID VELOCITY AND VOLUME, AND PREVENTS SEED GERMINATION.

- **TOPSOIL AND HERBICIDES**
PERMANENT SEEDINGS OR SOD WILL NOT BE ESTABLISHED IN TOPSOIL THAT HAS BEEN TREATED WITH HERBICIDES. TOPSOIL SHALL BE ADJUST FOR GRASS GROWTH. TOPSOIL SO TREATED WILL BE STOCKPILED FOR ONE YEAR TO ALLOW BREAKDOWN OF HERBICIDE RESIDUES OR TOPSOIL WILL BE COMBINED WITH 6 INCHES OF UNTREATED TOPSOIL TO SERVE AS A SEEDBED.

APPLY MULCH ACCORDING TO THE TEMPORARY MULCHING MEASURE OF THE GUIDELINES.
IF SEEDING CANNOT BE DONE WITHIN THE SEEDING DATES, USE THE TEMPORARY MULCHING MEASURE IN THE GUIDELINES TO PROTECT THE SITE AND DELAY SEEDING UNTIL THE NEXT RECOMMENDED SEEDING PERIOD.

HYDRAULIC APPLICATION (HYDROSEEDING), IS A SUITABLE METHOD FOR USE IN CRITICAL AREAS. WHEN USED, THE SEEDBED IS PREPARED IN THE CONVENTIONAL MANNER BY HAND RAKING TO LOOSEN AND SMOOTH THE SOIL AND TO REMOVE SURFACE STONES LARGER THAN SIX INCHES IN DIAMETER. SLOPES MUST BE NO STEEPER THAN 2 TO 1 (2 FEET HORIZONTALLY TO 1 FOOT VERTICALLY). MULCH SHALL NOT BE APPLIED SIMULTANEOUSLY WITH THE SEED. THE USE OF FIBER MULCH ON CRITICAL AREAS IS NOT RECOMMENDED (UNLESS IT IS USED TO HOLD STRAW OR HAY). MULCHING SHALL BE DONE TO PROVIDE ADEQUATE SEEDING PROTECTION. BETTER PROTECTION IS GAINED BY USING STRAW MULCH AND HOLDING IT WITH ADHESIVE MATERIALS OR 500 POUNDS PER ACRE OF WOOD FIBER MULCH. SEEDING RATES MUST BE INCREASED TO PERCENT WHEN HYDROSEEDING.

SEED WARM SEASON GRASSES DURING THE SPRING PERIOD ONLY.

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(PS) PERMANENT SEEDING

TIMING
SEED WITH A PERMANENT SEED MIXTURE WITHIN 7 DAYS AFTER ESTABLISHING FINAL GRADES OR WHEN GRADING WORK WITHIN A DISTURBED AREA IS TO BE SUSPENDED FOR A PERIOD OF MORE THAN 1 YEAR. SEEDING IS RECOMMENDED FROM APRIL 1 THROUGH JUNE 15 AND AUGUST 15 THROUGH OCTOBER 1.

FOR THE COASTAL TOWNS AND IN THE CONNECTICUT RIVER VALLEY FINAL PLANT SEEDING DATES CAN BE EXTENDED AN ADDITIONAL 15 DAYS. PLANT AREAS AND PLAYGROUNDS OR DRIVING AND ARCHERY RANGES, NATURE TRAILS

A. SITE PREPARATION
GRADE IN ACCORDANCE WITH THE SITE GRADING PLAN. INSTALL ALL SURFACE WATER CONTROLS. AREAS TO BE MOWED REMOVE ALL STONES 2 INCHES OR LARGER. REMOVE ALL OTHER DEBRIS SUCH AS WIRE, CABLE, TREE ROOTS, PIECES OF CONCRETE, CLOUDS, LUMPS OR OTHER UNSUITABLE MATERIAL.

NOTE:
ON AREAS WHERE WOOD CHIPS AND/OR BARK MULCH WAS PREVIOUSLY APPLIED, EITHER REMOVE THE MULCH OR INCORPORATE IT INTO THE SOIL WITH A NITROGEN FERTILIZER. ADDED NITROGEN APPLICATION RATE IS DETERMINED BY SOIL TEST AT TIME OF SEEDING. ANTICIPATE 1200 LBS NITROGEN PER TON OF WOOD CHIPS AND/OR BARK MULCH.

DO NOT USE PERMANENT SEEDING ON SLOPES STEEPER THAN 2 TO 1.

B. SEEDBED PREPARATION
APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TESTS SUCH AS THOSE OFFERED BY THE UNIVERSITY OF CONNECTICUT SOIL TESTING LABORATORY. SOIL SAMPLE MAILERS ARE AVAILABLE FROM THE LOCAL COOPERATIVE EXTENSION SERVICE OFFICE. IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARIOUS SITES, OR WHERE TIMING IS CRITICAL, FERTILIZER MAY BE APPLIED AT THE RATE OF 300 POUNDS PER ACRE OR 7.5 POUNDS PER 1,000 SQUARE FEET USING 10-10-10 OR EQUIVALENT. IN ADDITION, 300 POUNDS OF 38-0-0 PER ACRE OR EQUIVALENT OF SLOW RELEASE NITROGEN MAY BE USED FOR TOPDRESSING. APPLY GROUND LIMESTONE (EQUIVALENT TO 50 PERCENT CALCIUM PLUS MAGNESIUM OXIDE) AS FOLLOWS:

SOIL TEXTURE
TONS/AC. LBS./1000 SQ.FT.
CLAY, CLAY LOAM AND HIGH ORGANIC SOIL 3 135
SANDY LOAM, LOAM, SILT LOAM 2 90
LOAMY SAND, SAND 1 45

REFER TO COUNTY SOIL SURVEY REPORT FOR SOIL TEXTURES AT THE SITE.

WORK LIME AND FERTILIZE INTO THE SOIL AS NEARLY AS PRACTICAL, TO A DEPTH OF 4 INCHES WITH A DISC, SPRING TOOTH HARROW OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISCHING OPERATION SHOULD BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLY UNIFORM, FINE SEEDBED IS PREPARED. ALL BUT CLAY OR SILTY SOILS AND COURSE SANDS SHOULD BE ROLLED TO FIRM THE SEEDBED WHERE FEASIBLE.

REMOVE FROM THE SURFACE ALL STONES TWO INCHES OR LARGER IN ANY DIMENSION. REMOVE ALL OTHER DEBRIS, SUCH AS WIRE, CABLE, TREE ROOTS, PIECES OF CONCRETE, CLOUDS, LUMPS OR OTHER UNSUITABLE MATERIAL.

INSPECT SEEDBED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACTED, THE AREA MUST BE REILLED AND FIRMED AS ABOVE.

D. SEEDING
SELECT A MIXTURE FROM BELOW OR USE MIXTURE RECOMMENDED BY THE SOIL CONSERVATION SERVICE. INOCULATE ALL MIXTURES WITH THE CORRECT TYPE AND AMOUNT OF INOCULANT.

APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, MULTIPACKER TYPE SEEDER OR HYDROSEEDER (SLURRY INOCULANT SEED AND FERTILIZER). NORMAL SEEDING DEPTH IS FROM 1/4 TO 1/2 INCH. HYDROSEEDINGS WHICH ARE MULCHED MAY BE LEFT ON SOIL SURFACE.

WHERE FEASIBLE, EXCEPT WHERE EITHER A MULTIPACKER TYPE SEEDER OR HYDROSEEDER IS USED, THE SEEDBED SHOULD BE FIRMED FOLLOWING SEEDING OPERATIONS WITH A ROLLER, OR LIGHT GRAD. SEEDING OPERATIONS SHOULD BE ON THE CONTOUR.

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(IF TOXIC SUBSTANCES AND PHYSICAL PROPERTIES NOT LIMITING)3			
SHOULDER (FLUCTUATING WATER LEVELS)			
SKT SLOPES		4.10	
SOIL WATERWAYS AND SPILLWAYS	1,2,3,4,6,7, OR 8	1,2,3,4,6,7, OR 8	
SUNNY RECREATION AREAS	1,2, OR 23		
(PICNIC AREAS AND PLAYGROUNDS OR DRIVING AND ARCHERY RANGES, NATURE TRAILS)			
CAMPING AND PARKING, NATURE TRAILS (SHADED)	19,21, OR 23		
SAND DUNES (BLOWING SAND)	25		
WOODLAND ACCESS ROADS			
SKT TRAILS AND LOG YARDING AREAS	9,10,16,22,26		
LAWNS AND HIGH MAINTENANCE	1,19,21,OR 29		

FOOTNOTES:
1 THE NUMBERS FOLLOWING IN THESE COLUMNS REFER TO SEED MIXTURES IN FOLLOWING TABLE. MIXES FOR SHADY AREAS ARE IN BOLD ITALICS PRINT (INCLUDING MIXES 20 THROUGH 24).
2 SEE COUNTY SOIL SURVEY FOR DRAINAGE CLASS. SOIL SURVEYS ARE AVAILABLE FROM THE COUNTY SOIL AND WATER CONSERVATION DISTRICT OFFICE.
3 USE MIX 26 WHEN SOIL PASSING A 200 MESH SIEVE IS LESS THAN 15% OF TOTAL WEIGHT. USE MIX 26 & 27 WHEN SOIL PASSING A 200 MESH SIEVE IS BETWEEN 15 AND 20% OF TOTAL WEIGHT. USE MIX 26,27 & 28 WHEN SOIL PASSING A 200 MESH SIEVE IS ABOVE 20% OF TOTAL WEIGHT.

SEED MIXTURES FOR PERMANENT SEEDING

No.	SEED MIXTURE (VARIETY)	LBS./ACRE	LBS./1,000 SQ. FT.
15	CREeping RED FESCUE (PENNLAWN, WINTERGREEN)	20	.45
16	PERENNIAL RYEGRASS (NORLEA, MANHATTAN)	5	.10
17		45	1.00

25	CREeping RED FESCUE (PENNLAWN, WINTERGREEN)	20	.45
26	REDTOP (STRECKER, COMMON)	2	.05
27	TALL FESCUE (KENTUCKY 31) OR SMOOTH BROMEGRASS (SARATOGA, LINCOLN)	20	.45
28		42	.95

35	CREeping RED FESCUE (PENNLAWN, WINTERGREEN)	20	.45
36	BIRDS FOOT TREFLO (EMPIRE, VIKING) WITH INOCULANT	8	.20
37	TALL FESCUE (KENTUCKY 31) OR SMOOTH BROMEGRASS (SARATOGA, LINCOLN)	20	.45
38		48	1.10

45	CREeping RED FESCUE (PENNLAWN, WINTERGREEN)	20	.45
46	OR TALL FESCUE (KENTUCKY 31)	2	.05
47	REDTOP (STEEKER, COMMON)	8	.20
48	BIRDS FOOT TREFLO (EMPIRE, VIKING) W/INOCULANT	30	.70

55	WHITE CLOVER	10	.25
56	PERENNIAL RYE GRASS	12	.30
57		72	1.60

65	CREeping RED FESCUE	20	.50
66	REDTOP (STRECKER, COMMON)	2	.05
67	PERENNIAL RYE GRASS	20	.50
68		42	1.00

75	SMOOTH BROMEGRASS (SARATOGA, LINCOLN)	15	.35
76	PERENNIAL RYEGRASS (NORLEA, MANHATTAN)	5	.10
77	BIRDS FOOT TREFLO (EMPIRE, VIKING) W/INOCULANT	10	.25
78		30	.70

85	SWITCHGRASS (BLACKWELL, SHELTER, CAVE-IN-ROCK)	101	.25
86	WEEPING LOVEGRASS	3	.07
87	LITTLE BLUESTEM (BLAZE, ALDOUS, CAMPER)	20	.45
88		23	.50

95	CREeping RED FESCUE (PENNLAWN, WINTERGREEN)	10	.25
96	CROWN VETCH (CHEMUNG, PENNGIFT) WITH INOCULANT	15	.35
97	OR FLATPEA (LATHCO) WITH INOCULANT	(30)	(.75)
98	TALL FESCUE (KENTUCKY 31) OR SMOOTH BROMEGRASS (SARATOGA, LINCOLN) REDTOP (STRECKER, COMMON)	2	.05
99		42	1.00 (OR 1.25)

105	CREeping RED FESCUE (PENNLAWN, WINTERGREEN)	20	.45
106	REDTOP (STRECKER, COMMON)	2	.05
107	SURFACE STONES LARGER THAN SIX INCHES IN DIAMETER	15	.35
108	SLOPES MUST BE NO STEEPER THAN 2 TO 1 (2 FEET HORIZONTALLY TO 1 FOOT VERTICALLY)	(30)	(.75)
109		37	.85 (OR 1.25)

115	BIRDS FOOT TREFLO (EMPIRE, VIKING) WITH INOCULANT	8	.20
116	CROWN VETCH (CHEMUNG, PENNGIFT) WITH INOCULANT	15	.35
117	CREeping RED FESCUE (PENNLAWN, WINTERGREEN)	(30)	(.75)
118		10	.25
119		25	.60 (OR 1.00)

126	SWITCHGRASS (BLACKWELL, SHELTER, CAVE-IN-ROCK)	101	.25
127	PERENNIAL RYEGRASS (NORLEA, MANHATTAN)	5	.10
128	CROWN VETCH (CHEMUNG, PENNGIFT) WITH INOCULANT	15	.35
129		45	1.05

136	CROWN VETCH (CHEMUNG, PENNGIFT) WITH INOCULANT	10	.25
137	OR FLATPEA (LATHCO) WITH INOCULANT	(30)	(.75)
138	SWITCHGRASS (BLACKWELL, SHELTER, CAVE-IN-ROCK)	101	.25
139	PERENNIAL RYEGRASS (NORLEA, MANHATTAN)	5	.10
140		20	.45 (OR .95)

146	CROWN VETCH (CHEMUNG, PENNGIFT) WITH INOCULANT	15	.35
147	OR FLATPEA (LATHCO) WITH INOCULANT	(30)	(.75)
148	PERENNIAL RYEGRASS (NORLEA, MANHATTAN)	10	.25
149		25	.60 (OR 1.00)

156	SWITCHGRASS (BLACKWELL, SHELTER, CAVE-IN-ROCK)	5	.10
157	BIG BLUESTEM (NAGRA, KAW) OR LITTLE BLUESTEM (BLAZE, ALDOUS,CAMPER)	5	.10
158	PERENNIAL RYEGRASS (NORLEA, MANHATTAN)	5	.10
159	BIRDS FOOT TREFLO (EMPIRE, VIKING) WITH INOCULANT	20	.40

166	TALL FESCUE (KENTUCKY 31)	20	.45
167	FLATPEA (LATHCO) WITH INOCULANT	30	.75
168		50	1.20

176	DEER TONGUE (TOGA) WITH INOCULANT	10	.25
177	BIRDS FOOT TREFLO (EMPIRE, VIKING) WITH INOCULANT	8	.20
178	PERENNIAL RYEGRASS (NORLEA, MANHATTAN)	5	.10
179		21	.52

186	DEER TONGUE (TOGA) WITH INOCULANT	10	.25
187	CROWN VETCH (CHEMUNG, PENNGIFT) WITH INOCULANT	15	.35
188	PERENNIAL RYEGRASS (NORLEA, MANHATTAN)	5	.10
189		28	.67

195	CHARDWISS FESCUE	35	.80
196	HARD FESCUE	30	.70
197	COLONIAL BENTGRASS	5	.10
198	BIRDS FOOT TREFLO (EMPIRE, VIKING) WITH INOCULANT	10	.25
199	PERENNIAL RYEGRASS	20	.50
200		100	2.30

206	DELETED DUE TO INVASIVE SPECIES		
215	CREeping RED FESCUE (PENNLAWN, WINTERGREEN)	20	.45
216		40	.90
217		60	1.35

225	CREeping RED FESCUE (PENNLAWN, WINTERGREEN)	20	.45
226	TALL FESCUE (KENTUCKY 31)	20	.45
227		60	1.35

235	CREeping RED FESCUE (PENNLAWN, WINTERGREEN)	15	.35
236	FLATPEA (LATHCO) WITH INOCULANT	30	.75
237		45	1.05
245	TALL FESCUE (KENTUCKY 31)	20	.45
246		150	3.60

255	AMERICAN BEACHGRASS (CAPE)	58,500	1,345
256		CULMS/ACRE	CULMS/100 SF
257		4.0	.10
258	SWITCHGRASS (BLACKWELL, SHELTER, CAVE-IN-ROCK)	4.0	.10
259	BIG BLUESTEM (NAGRA, KAW)	4.0	.10
260	LITTLE BLUESTEM (BLAZE, ALDOUS, CAMPER)	1.5	.03
261	SAND LOVEGRASS (NE-27, BEND)	2.0	.05
262	BIRD'S-FOOT TREFLO (EMPIRE VIKING)	2.0	.05
263		13.5	.33

275	FLATPEA (LATHCO)	10	.20
276	EXPERIMENTAL LANCE	2	.05
277	CROWN VETCH (CHEMUNG, PENNGIFT)	10	.20
278	TALL FESCUE (KENTUCKY 31)	2	.05
279		20	.45
280		24	.55

285	ORCHARDGRASS (PENNLATE, KAY,POTOMAC)	5	.10
286	TALL FESCUE (KENTUCKY 31)	10	.20
287	REDTOP (STRECKER, COMMON)	2	.05
288	BIRD'S-FOOT TREFLO (EMPIRE VIKING)	5	.10

29 TURF TYPE TALL FESCUE (BONANZA, MUSTANG, REBEL II, SPITAL, JAGUAR) OR PERENNIAL RYE ("FUTURE 200" MIX: FIESTA II, BLAZER II, AND DASHER II)

FOOTNOTES:
1 USE PROPER INOCULANT FOR LEGUME SEEDS, USE FOUR TIMES RECOMMENDED RATE WHEN HYDROSEEDING.
2 USE PURE LIME SEED (PLS) = (LBS. CYANURIC X 4.5 PLANT) / 1000 OR 85 OR 55%
3 D.O.T. ALL PURPOSE MIX
4 WILD FLOWER MIX CONTAINING NEW ENGLAND ASTER, BABY'S BREATH, BLACK EYE SUSAN, CATCHFLY, DWARF COMPOSITA, PURPLE CONEFLOWER, LANCED-LEAVED COREOPSIS, CORNFLOWER, OX-EYE DAISY, SCARLET FLAX, FOGWOLE, GAYFEATHER, ROCKY LARKSPUR, SPANISH LARKSPUR, CORN POPPY, SPURRED SNAPDRAGON, WAXFLOWER AND/OR YARROW MAY

BE ADDED TO ANY SEED MIX GIVEN. MOST SEED SUPPLIERS CARRY A WILD FLOWER MIXTURE THAT IS SUITABLE FOR THE NORTHEAST AND CONTAINS A VARIETY OF BOTH ANNUAL AND PERENNIAL FLOWERS.