

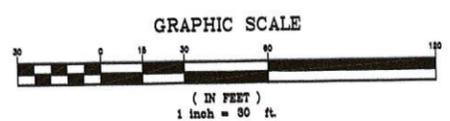
LEGEND :

- 3/4" REBAR W/D CAP(TO BE SET)
- GRANITE BOUND(TO BE SET)
- IRON BOUND (FND.)
- DRILL HOLE (SET)
- PROPOSED BOUNDARY LINE
- - - POORLY DRAINED SOIL BOUNDARY
- - - VERY POORLY DRAINED SOIL BOUNDARY

LAND USE OFFICE
JAN 13 2016
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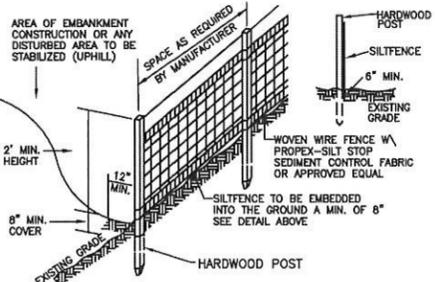
NOTES :

- 1.) OWNER : JAMES & KAREN ATKINS
538 ROUTE 126
BARRINGTON, NH 03825
- 2.) TAX MAP 241, LOT 37
- 3.) TOTAL LOT AREA : 1,083,294 Sq.Ft., 24.87 Ac.
- 4.) S.C.R.D. : BOOK 2776, PAGE 781
- 5.) ZONING: GENERAL RESIDENTIAL
MINIMUM FRONTAGE ~ 200'
MINIMUM LOT SIZE ~ 80,000 Sq.Ft.
SETBACKS:
FRONT ~ 40'
SIDE & REAR ~ 30'
MAXIMUM BUILDING HEIGHT ~ 35'



DETAIL OF LOT 37

REVISION	DATE	DESCRIPTION
		9.6 BUFFER PLAN FOR JAMES ATKINS SWAIN ROAD BARRINGTON, N.H. TAX MAP 241, LOT 37
		BERRY SURVEYING & ENGINEERING 335 SECOND CROWN POINT RD. BARRINGTON, N.H. 332-2863
		SCALE : 1 IN. EQUALS 30 FT.
		DATE : JANUARY 13, 2016
		FILE NO. : DB 2003 -048



SILT FENCE CONSTRUCTION SPECIFICATIONS

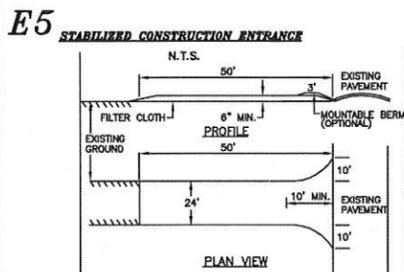
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES AND FILTER CLOTH SHALL BE FASTENED TO WOVEN WIRE EVERY 24" AT TOP MID AND BOTTOM SECTIONS AND BE EMBEDDED INTO GROUND A MINIMUM OF 8" THE FENCE POSTS SHALL BE A MINIMUM 48" LONG, SPACED A
2. MAXIMUM 10' APART, AND DRIVEN A MINIMUM OF 16" INTO THE GROUND WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER.
3. THE ENDS OF THE FABRIC SHALL BE OVERLAPPED BY SIX INCHES, FOLDED AND STAPLED TO PREVENT SEDIMENT FROM BY-PASSING MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SEDIMENT
4. REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE AND PROPERLY DISPOSED OF PLACE THE ENDS OF THE SILT FENCE UP CONTOUR TO PROVIDE
5. FOR SEDIMENT STORAGE SILT FENCES SHALL BE REMOVED WHEN NO LONGER NEEDED AND
6. THE SEDIMENT COLLECTED SHALL BE DISPOSED AS DIRECTED BY THE ENGINEER. THE AREA DISTURBED BY THE REMOVAL SHALL BE SMOOTHED AND RE-VEGETATED

SILT FENCE MAINTENANCE

1. SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY IF THE FABRIC ON A SILT FENCE SHOULD DECOMPOSE OR BECOME
2. INEFFECTIVE DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY. SEDIMENT DEPOSITS SHOULD BE INSPECTED AFTER EVERY STORM EVENT.
3. THE DEPOSITS SHOULD BE REMOVED WHEN THEY REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER. SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE
4. FABRIC HAS BEEN REMOVED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED.

SILT FENCE DETAIL
N.T.S.

E1

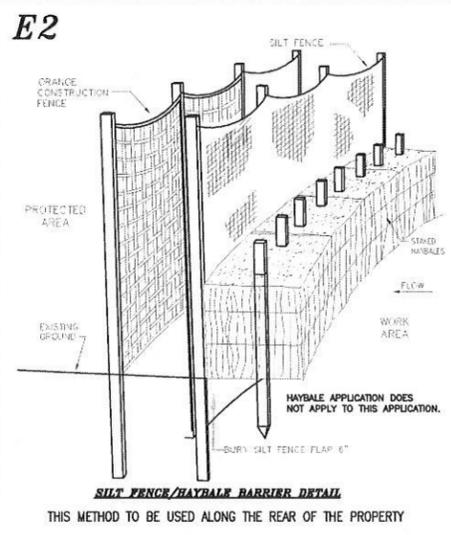


STABILIZED CONSTRUCTION ENTRANCE
N.T.S.

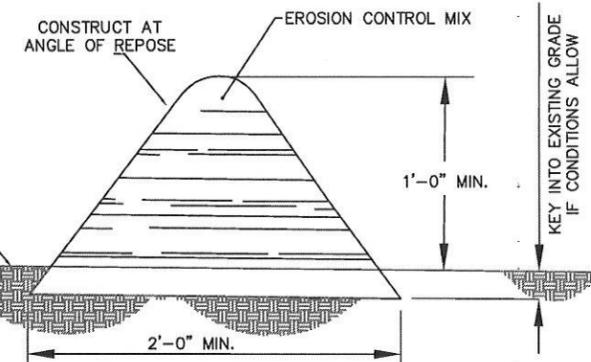
1. STONE FOR A STABILIZED CONSTRUCTION ENTRANCE SHALL BE 1 TO 2 INCH STONE, RECLAIMED STONE, OR RECYCLED CONCRETE EQUIVALENT.
2. THE LENGTH OF THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 50 FEET, EXCEPT FOR A SINGLE RESIDENTIAL LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY.
3. THE THICKNESS OF THE STONE FOR THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 6 INCHES.
4. THE WIDTH OF THE ENTRANCE SHALL NOT BE LESS THAN THE FULL WIDTH OF THE ENTRANCE WHERE INGRESS OR EGRESS OCCURS OR 10 FEET, WHICH EVER IS GREATER.
5. GEOTEXTILE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE. FILTER CLOTH IS NOT REQUIRED FOR A SINGLE FAMILY RESIDENCE LOT.
6. ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARD THE CONSTRUCTION ENTRANCE SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A BERM WITH 5:1 SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE SUBSTITUTED FOR THE PIPE.
7. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED PROMPTLY.

WINTER STABILIZATION NOTES

1. All disturbed areas that do not have at least 85% vegetative coverage prior to October 15th, shall be stabilized by applying mulch at a rate of 3-4 tons per acre. All side slopes, steeper than 4:1, that are not directed to swales or detention basins, shall be lined with biodegradable/photodegradable "jute matting" (Excelsior's Curlex II or equal). All other slopes shall be mulched and tacked at a rate of 3-4 tons per acre. The application of mulch and/or jute matting shall not occur over existing snow cover. If the site is active after November 15th, any snow that accumulates on disturbed areas shall be removed. Prior to spring thaw all areas will be stabilized, as directed above.
2. All swales that do not have fully established vegetation shall be either lined with temporary jute matting or temporary stone check dams (appropriately spaced). Stone check dams will be maintained throughout the winter months. If the swales are to be matted with permanent liners or riprap with engineering fabric, this shall be completed prior to winter shutdown or as soon as they are properly graded and shaped.
3. Prior to Nov. 15th all roadway and parking areas shall be brought up to and through the bank run gravel application. If these areas' elevations are proposed to remain below the proposed subgrade elevation, the subgrade material shall be roughly crowned and a 3" layer of crushed gravel shall be placed and compacted. This will allow the subgrade to shed runoff and will reduce roadway erosion. This crushed gravel does not have to conform to NH DOT 304.3, but shall have between 15-25% passing the #200 sieve and the largest stone size shall be 2". If the site is active after November 15th, any accumulated snow shall be removed from all roadway and parking areas.
4. After October 15th, the end of New Hampshire's average growing season, no additional loam shall be spread on side slopes and swales. The stockpiles that will be left undisturbed until spring shall be seeded by this date. After October 15th, any new or disturbed piles shall be mulched at a rate of 3-4 tons per acre. All stockpiles that will remain throughout the winter shall be surrounded with silt fencing.



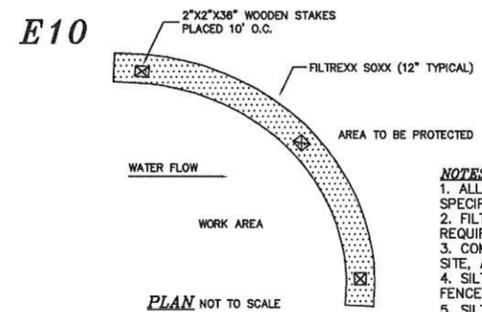
EROSION CONTROL MIX BERM



EROSION CONTROL MIX BERMS SHALL BE USED ONLY AS FOLLOWS:

- (A) BERMS SHALL BE USED IN AREAS WHERE EROSION WILL OCCUR ONLY IN THE FORM OF SHEET EROSION AND THERE IS NO CONCENTRATION OF WATER IN A CHANNEL OR DRAINAGE WAY ABOVE THE BERM.
- (B) THE BERMS SHALL BE INSTALLED FOLLOWING THE CONTOUR OF THE LAND AS CLOSELY AS POSSIBLE.
- (C) THE BERMS SHALL BE INSTALLED ON SLOPES LESS THAN 5:1.
- (D) SUBJECT TO (E), BELOW, THE MIX SHALL HAVE AN ORGANIC PORTION BETWEEN 80 AND 100% DRY WEIGHT BASIS, AND BE FIBROUS AND ELONGATED SUCH AS FROM SHREDDED BARK, STUMP GRINDINGS, COMPOSED BARK, OR EQUIVALENT MANUFACTURED PRODUCTS.
- (E) WOOD AND BARK CHIPS, GROUND CONSTRUCTION DEBRIS, OR REPROCESSED WOOD PRODUCTS SHALL NOT BE USED AS ORGANIC MATERIAL.
- (F) THE MIX SHALL NOT CONTAIN SILTS, CLAY, OR FINE SANDS.
- (G) THE MIX SHALL HAVE A PARTICLE SIZE BY WEIGHT OF 70 TO 85% PASSING A 6-INCH SCREEN AND A MAXIMUM OF 85% PASSING THE 0.75-INCH SCREEN.
- (H) THE MIX PH SHALL BE BETWEEN 5.0 AND 8.0.
- (I) THE BERM SHALL BE AT LEAST 12 INCHES HIGH AND AT LEAST 2 FEET WIDE.

E9

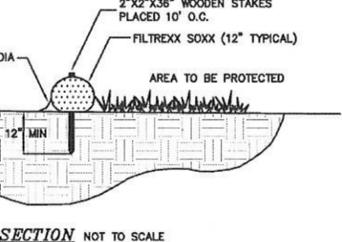
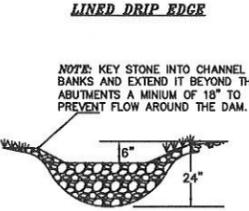


NOTES

1. ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS.
2. FILTER MEDIA FILL TO MEET APPLICATION REQUIREMENTS.
3. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.
4. SILT-SOXX MAY BE USED IN PLACE OF SILT FENCE OR OTHER SEDIMENT BARRIERS.
5. SILT-SOXX COMPOST/SOIL/ROCK/SEED FILL MATERIAL SHALL BE ADJUSTED AS NECESSARY TO MEET THE REQUIREMENTS OF THE SPECIFIC APPLICATION.
6. FILTREXX SOXX IS A REGISTERED TRADEMARK OF FILTRESS INTERNATIONAL, LLC.

Filtrexx International, LLC
35481 Grafton Eastern Rd | Grafton, Oh 44044
440-926-2607 | fax: 440-926-4021
WWW.FILTREXX.COM

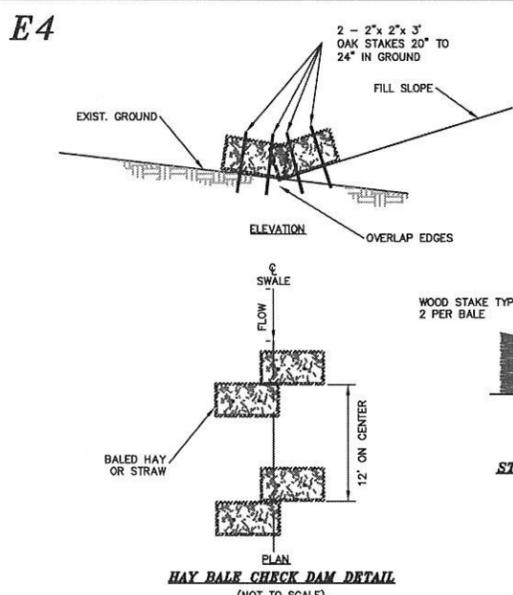
E7



SECTION NOT TO SCALE

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HAY BALE CHECK DAM DETAIL
(NOT TO SCALE)

TEMPORARY EROSION CONTROL MEASURES

1. THE SMALLEST PRACTICAL AREA OF LAND SHALL BE EXPOSED AT ANY ONE TIME
2. EROSION, SEDIMENT AND DETENTION MEASURES SHALL BE INSTALLED AS SHOWN ON THE PLANS AND AT LOCATIONS AS REQUIRED, DIRECTED BY THE ENGINEER
3. ALL DISTURBED AREAS SHALL BE RETURNED TO ORIGINAL GRADES AND ELEVATIONS. DISTURBED AREAS SHALL BE LOAMED WITH A MINIMUM OF 4" OF LOAM AND SEEDED WITH NOT LESS THAN ONE POUND OF SEED PER 50 SQUARE YARDS OF AREA. (SEE SEED SPECIFICATIONS E102)
- 3a. ALL DISTURBED AREAS WILL BE RESTABILIZED WITHIN 60 DAYS. AT ANY ONE TIME, NO MORE THAN 5 ACRES, (217,800 Sq. Ft.) WILL BE DISTURBED.
4. SILT FENCES AND STRAW OR HAY BALES BARRIERS SHALL BE INSPECTED PERIODICALLY AND AFTER EVERY RAIN DURING THE LIFE OF THE PROJECT. ALL DAMAGED AREAS SHALL BE REPAIRED, SEDIMENT DEPOSITS SHALL PERIODICALLY BE REMOVED AND DISPOSED OF.
5. AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED, THE TEMPORARY EROSION CONTROL MEASURES ARE TO BE REMOVED AND THE AREA DISTURBED BY THE REMOVAL SMOOTHED AND RE-VEGETATED
6. PER THE EPA REQUIREMENTS THERE WILL BE A LOG OF THE EROSION CONTROL INSPECTIONS EVERY 7-14 DAYS PLEASE FIND SWPPP PREPARED BY BS&E (AFTER LOCAL APPROVAL)
7. DITCHES, SWALES, AND BASINS SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
8. ALL EROSION CONTROLS SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER 0.5" OR GREATER RAIN EVENT

E11

E-101

REVISION	DATE	DESCRIPTION

9.6 BUFFER PLAN FOR
JAMES ATKINS
SWAIN ROAD
BARRINGTON, N.H.
TAX MAP 241, LOT 37

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (332-2863)
SCALE: AS MARKED
DATE: JANUARY 13, 2016
FILE NO.: DB 2003-048

E12

E13

E14

E17

NOTE: THIS PROJECT IS TO BE MANAGED IN A MANNER THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 430:53 AND CHAPTER AGR 3800 RELATIVE TO INVASIVE SPECIES.

NOTE: Temporary seed mix for stabilization of turf shall be winter rye or oats at a rate of 2.5 lbs. per 1000 s.f. and shall be placed prior to OCT. 15, if permanent seeding not yet complete.

USE	SEEDING MIXTURE 1/	WELL DRAINIED		MODERATELY DRAINIED		POORLY DRAINIED	
		GOOD	POOR	GOOD	POOR	GOOD	POOR
STEEP CUTS AND FILL, ROSSON AND DISPOSAL AREAS	A	GOOD	POOR	GOOD	POOR	GOOD	POOR
	B	POOR	GOOD	POOR	GOOD	POOR	GOOD
	C	POOR	POOR	POOR	POOR	POOR	POOR
	D	FAIR	FAIR	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
WATERWAYS, EMERGENCY SPILLWAYS AND OTHER CHANNELS WITH FLOWING WATER	A	GOOD	GOOD	GOOD	GOOD	FAIR	POOR
	B	GOOD	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
LIGHTLY USED PAVING LOTS, COOL AREAS, UNPAVED DRIVEWAYS AND LOW TRAFFIC USE RECREATION SITES	A	GOOD	GOOD	GOOD	GOOD	FAIR	POOR
	B	GOOD	GOOD	GOOD	GOOD	POOR	POOR
	C	POOR	POOR	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
PLAY AREAS AND ATHLETIC FIELDS (TOPSOIL & SUBSOIL FOR GOOD TURF)	F	FAIR	FAIR	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
	G	FAIR	FAIR	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT

MIXTURE	POUNDS PER ACRE	POUNDS PER 1,000 SQ. FT.	
		RECOMMENDED	MAXIMUM
A. TALL FESCUE	20	0.45	
CREEPING RED FESCUE	20	0.45	
RED TOP	2	0.05	
TOTAL	42	0.95	
B. TALL FESCUE	15	0.35	
CREEPING RED FESCUE	15	0.35	
CROWN VETCH	15	0.35	
FLAT PEA	30	0.75	
TOTAL	40 OR 68	0.99 OR 1.35	
C. TALL FESCUE	24	0.53	
CREEPING RED FESCUE	24	0.53	
RED TOP	2	0.05	
TOTAL	48	1.10	
D. TALL FESCUE	20	0.45	
FLAT PEA	50	1.20	
TOTAL	70	1.65	
E. CREEPING RED FESCUE 1/2	50	1.15	
KENTUCKY BLUEGRASS 1/2	50	1.15	
TOTAL	100	2.30	
F. TALL FESCUE 1	150	3.80	

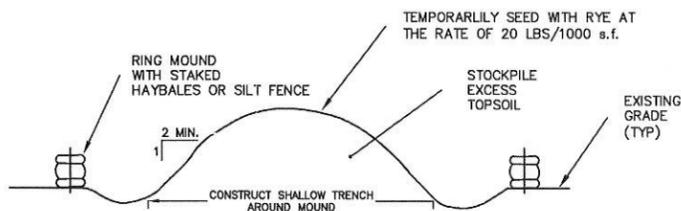
SEEDING SPECIFICATIONS

- Grading and Shaping
 - Slopes shall not be steeper than 2:1:3:1 slopes or flatter are preferred. Where mowing will be done, 3:1 slopes or flatter are recommended.
 - Seedbed Preparation
 - Surface and seepage water should be drained or diverted from the site to prevent drowning or winter killing of the plants.
 - Stones larger than 4 inches and trash should be removed because they interfere with seeding and future maintenance of the area. Where feasible, the soil should be tilled to a depth of about 4 inches to prepare a seedbed and mix fertilizer and lime into the soil. The seedbed should be left in reasonably firm and smooth condition. The last tillage operation should be performed across the slope wherever practical.
 - Establishing a Stand
 - Lime and fertilizer should be applied prior to or at the time of seeding and incorporated into the soil. Kinds and amounts of lime and fertilizer should be based on an evaluation of soil tests. When a soil test is not available, the following minimum amounts should be applied:
 - Agricultural limestone, 2 tons per acre or 100lbs. per 1,000 sq.ft.
 - Nitrogen(N), 50lbs. per acre or 1.1lbs. per 1,000 sq.ft.
 - Phosphate(P2O5), 100lbs. per acre or 2.2lbs. per 1,000 sq.ft.
 - Potash(K2O), 100lbs. per acre or 2.2lbs. per 1,000 sq.ft.
 (Note: This is the equivalent of 500lbs. per acre of 10-20-20 fertilizer or 1,000lbs. per acre of 5-10-10.)
- Seed should be spread uniformly by the method most appropriate for the site. Methods include broadcasting, drilling and hydroseeding. Where broadcasting is used, cover seed with .25 inch of soil or less, by cultipacking or raking.
 - Refer to Table(G-E1 this sheet) for appropriate seed mixtures and Table(H-E1 this sheet) for rates of seeding. All legumes (crownvetch, birdsfoot trefoil, and flatpea) must be inoculated with their specific inoculant.
 - When seeded areas are mulched, plantings may be made from early spring to early October. When seeded areas are not mulched, plantings should be made from early spring to May 20 or from August 10 to September 1.
 - Mulch
 - Hay, straw, or other mulch, when needed, should be applied immediately after seeding.
 - Mulch will be held in place using appropriate techniques from the Best Management Practice for mulching. Hay or straw mulch shall be placed at a rate of 90lbs per 1000 s.f.
 - Maintenance to Establish a Stand
 - Planted area should be protected from damage by fire, grazing, traffic, and dense weed growth.
 - Fertilization needs should be determined by onsite inspections. Supplemental fertilizer is usually the key to fully complete the establishment of the stand because most perennial staks 2 to 3 years to become established.
 - In waterways, channels, or swales where uniform flow conditions are anticipated, occasional mowing may be necessary to control growth of woody vegetation.

DEFINITION OF STABLE:

- WHEN A BASE COURSE GRAVEL HAS BEEN INSTALLED IN AN AREA TO BE PAVED
- WHEN A MINIMUM OF 50% VEGETATIVE GROWTH OCCURS
- WHEN A MINIMUM OF 3" OF NON-EROSIVE MATERIAL, SUCH AS STONE OR RIP-RAP HAS BEEN INSTALLED.
- WHEN PROPER EROSION CONTROL BLANKETS, SUCH AS CURLEX II, C350 OR OTHER DOT APPROVED MATTING, HAS BEEN INSTALLED PROPERLY.
- HAY MULCH OR OTHER APPROVED METHODS SHALL BE USED TO CONTROL EROSION OF NEWLY GRADED AREAS. ALL CUT AND FILL SLOPES SHALL BE SEEDDED AND MULCHED WITHIN 72 HOURS AFTER THEIR CONSTRUCTION.

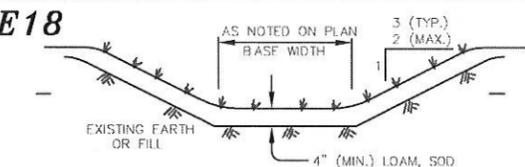
E15



TOPSOIL STOCKPILE MOUND NOT TO SCALE

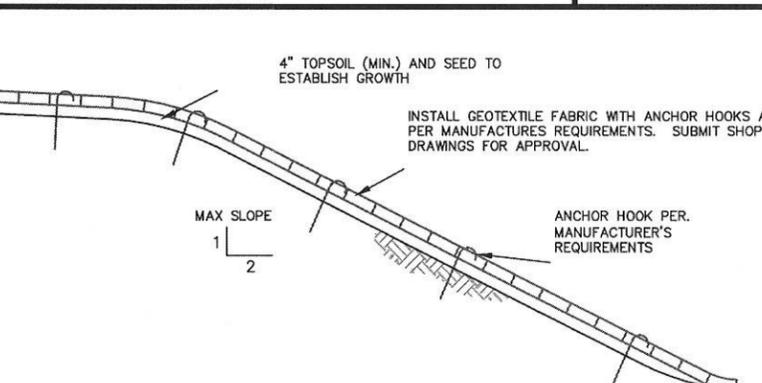
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E18



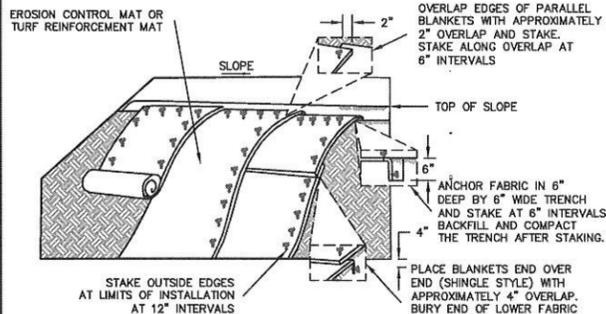
GRASS TREATMENT SWALE NOT TO SCALE

INSPECT ANNUALLY FOR EROSION, SEDIMENT ACCUMULATIONS, VEGETATION LOSS, & INVASIVE SPECIES. REPAIR AS NECESSARY. MOW GRASS ANNUALLY TO A DEPTH OF 4".



SLOPE STABILIZATION DETAIL NOT TO SCALE

E20



NOTE: STAKING PATTERNS SHALL FOLLOW MANUFACTURERS RECOMMENDATIONS. MINIMUM SPACING 3' - 0" O.C. ACROSS FABRIC.

INSTALLATION OF EROSION CONTROL FABRICS NOT TO SCALE

LAND USE OFFICE

JAN 13 2016

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REVISION	DATE	DESCRIPTION

9.6 BUFFER PLAN FOR JAMES ATKINS SWAIN ROAD BARRINGTON, N.H. TAX MAP 241, LOT 87

E21

BERRY SURVEYING & ENGINEERING
 335 SECOND CROWN POINT ROAD
 BARRINGTON, NH 03825 (332-2863)
 SCALE: AS MARKED
 DATE: JANUARY 13, 2016
 FILE NO.: DB 2003-048

E19

E-102