

SITE PREPARATION:

1. CUT AND FILL SLOPES SHOULD NOT EXCEED 2:1 TO PROVIDE STABILITY. FLATTER SLOPES (3:1) ARE PREFERRED.
2. AVOID LONG SLOPES TO HELP PREVENT EROSION AND TO ALLOW ACCESS FOR SEEDING, MULCHING AND MAINTENANCE. (SEE TERRACED SLOPE DETAIL).
3. WHEN POSSIBLE, DIVERSIONS SHOULD BE CONSTRUCTED AT TOPS OF SLOPES TO DIVERT RUNOFF WATER AWAY FROM THE SLOPE BANKS TO PREVENT EROSION (SEE TERRACED SLOPE DETAIL).
4. WHEN SLOPES ARE TERRACED, ROCK LINED CHUTES OR EQUIVALENT SHALL BE UTILIZED TO CONVEY CONCENTRATED FLOWS OF WATER TO STABLE OUTLETS.
5. REMOVE LARGE STONES, BOULDERS AND OTHER DEBRIS THAT WILL HINDER THE SEEDING PROCESS AND ALLOW THE ESTABLISHMENT OF VEGETATION.
6. SPREAD TOPSOIL FROM THE SITE OVER THE AREA TO BE SEED. THIS PROJECT WILL BE RECLAIMED WITH THE LOAM AVAILABLE ON-SITE.
7. OBTAIN SOIL SAMPLES BY COLLECTING 6 TO 8 SMALL SAMPLES (1 OR 2 HANDFULS) OF SOIL MATERIAL FROM THE UPPER 4 INCHES OF THE AREA TO BE SEED. MIX THE SMALL SAMPLES TO OBTAIN ONE COMPOSITE SAMPLE.
8. USE PART OF THE SAMPLE FOR A SOIL TEST TO DETERMINE LIME AND FERTILIZER NEEDS. RUN THE BALANCE OF THE SAMPLE(S) THROUGH A SIEVE ANALYSIS TO DETERMINE THE PERCENT BY WEIGHT PASSING A NO. 20 SIEVE. THOSE PASSING ARE CALLED FINES.

SEEDING PROCEDURES:

(1) SPECIES AND VARIETY SELECTION

SELECT ONE OF THE GRASS/LEGUME MIXES BASED ON THE PERCENT WEIGHT PASSING A NO. 200 SIEVE AS OUTLINED ABOVE. MIX 2 IS RECOMMENDED IF SUPPRESSION OF WOODY GROWTH IS DESIRED AND THERE ARE MORE THAN 15 PERCENT FINES. THE STANDARD CONSERVATION MIXES AVAILABLE FROM LOCAL SEED SUPPLIERS ARE NOT RECOMMENDED ON DROUGHTY SITES. THESE MIXES USUALLY PROVIDE A GREEN COVER VERY QUICKLY, BUT THE PLANT SPECIES BEGIN TO DIE IN 2-4 YEARS ON STERILE AND DROUGHT SITES.

WHERE PERCENT BY WEIGHT PASSING A NO. 200 SIEVE IS LESS THAN 15, SELECT FROM MIX 1.

MIX 1 (WARM SEASON GRASSES)

SPECIES	VARIETIES (SELECT ONE)	MIX OPTIONS FOR VARIOUS SITUATIONS ^(b)		
		LBS PER ACRE (PLS)	(1)	(2)
SWITCHGRASS	TRAILBLAZER, PATHFINDER	6	2	6
COASTAL PANICGRASS	ATLANTIC	4	2	4
BIG BLUESTEM	NIAGRA, KAW	4	2	4
LITTLE BLUESTEM	ALDOUS, CAMPER, BLAZE	4	8	5
SAND LOVEGRASS	BEND, NE-27	15	15	15

OPTIONS IN MIX 1

- (1) THIS COMBINATION MOST CLOSELY REPRESENTS THE NATURALLY OCCURRING VEGETATION WHERE WARM SEASON GRASSES ARE NATIVE IN THE NORTHEAST.
- (2) THIS COMBINATION HAS THE FASTEST ESTABLISHMENT AND COVER
- (3) THIS COMBINATION IS THE SIMPLEST AND MAY BE EASIER TO OBTAIN. OPTIONS 2 OR 1 IS PREFERRED.

WHERE PERCENT BY WEIGHT PASSING A NO. 200 SIEVE IS BETWEEN 15 AND 20, SELECT FROM MIX 2.

MIX 2 (LEGUMES AND COOL SEASON GRASSES)

SPECIES	VARIETIES (SELECT ONE) ^(a)	LBS PER ACRE ^(c)	(a)	(b)
FLATPEA ^(c)	LATHCO	10.0		
PERENNIAL PEA ^(c)	LANCER	2.0		
CROWN VETCH ^(c)	PENGIFT, CHEMUNG	10.0		
TALL FESCUE	KY-31, REBEL, KEN-HI	10.0		

(a) VARIETIES ARE LISTED IN PREFERENTIAL ORDER.

(b) WARM SEASON GRASS SEED IS SOLD AND PLANTED ON THE BASIS OF PURE LIVE SEEDS (PLS). AN ADJUSTMENT IS MADE TO THE BULK POUNDS OF SEED TO COMPENSATE FOR INERT MATERIAL AND DEAD SEED.

(c) THESE LEGUMES MUST BE INOCULATED AT THE TIME OF SEEDING. IF SEEDING BY HAND, USE A STICKING AGENT SUCH AS COCA-COLA OR MILK TO STICK INOCULANT TO SEED. IF SEEDING WITH A HYDROSEEDER, USE 4 TIMES THE RECOMMENDED RATE OF INOCULANT.

WHERE PERCENT BY WEIGHT PASSING A NO. 200 SIEVE IS ABOVE 20, SELECT FROM MIX 3.

MIX 3 (LEGUMES AND COOL SEASON GRASSES)

SPECIES	VARIETIES (SELECT ONE) ^(a)	LBS PER ACRE ^(b)	(a)	(b)
TALL FESCUE	KY-31	20.0		
REDTOP	STREEKER, COMMON	2.0		
BIRDSFOOT TREFOIL ^(c)	VIKING, EMPIRE	8.0		

(a) VARIETIES ARE LISTED IN PREFERENTIAL ORDER.

(b) LEGUME AND COOL SEASON GRASS SEED IS SOLD AND PLANTED ON A BULK BASIS. THE WEIGHT IS NOT COMPENSATED FOR INERT MATERIAL AND DEAD SEED.

(c) THESE LEGUMES MUST BE INOCULATED AT THE TIME OF SEEDING. IF SEEDING BY HAND, USE A STICKING AGENT SUCH AS COCA-COLA OR MILK TO STICK INOCULANT TO SEED. IF SEEDING WITH A HYDROSEEDER, USE 4 TIMES THE RECOMMENDED RATE OF INOCULANT.

(2) LIME AND FERTILIZER DETERMINATION

(a) MIX 1 - IN LIEU OF A SOIL TEST, LIME AT THE RATE OF 1 TON/ACRE (50 LBS/1000 S.F.) FERTILIZE WITH 500 LBS/ACRE (11 LBS/1000 S.F.) OF 10-20-20 OR EQUIVALENT. INCORPORATE LIME, FERTILIZER, AND SEED USING RAKES IF SEEDING IS DONE BY HAND. IT IS STRONGLY RECOMMENDED TO USE A BULLDOZER TO "TRACK" THE SITE AFTER SEEDING. TRACKING WILL INCORPORATE THE LIME, FERTILIZER AND SEED TO PROMOTE SEED GERMINATION.

(b) MIXES 2 & 3 - IN LIEU OF A SOIL TEST, LIME AT THE RATE OF 2 TONS/ACRE (90 LBS/1000 S.F.) FERTILIZE WITH 500 LBS/ACRE (11 LBS/1000 S.F.) OF 10-20-20 OR EQUIVALENT.

THE SEED NEEDS TO BE INCORPORATED TO ENSURE SUCCESS AND TO SHORTEN ESTABLISHMENT TIME. THIS IS ESPECIALLY TRUE OF MIXES 1 AND 2, AND IS MOST CRITICAL FOR THE LARGE SEED LEGUMES IN MIX 2. ON THE FLATTER SLOPES, USE A BULLDOZER TO "TRACK" IN THE SEED.

(3) MULCH DETERMINATION

(a) MULCHING FOR MIX 1 - WEED FREE MULCH. CLEAN STRAW IS RECOMMENDED. MULCH AT THE MAXIMUM RATE OF 500-700 LBS/ACRE. HIGHER MULCHING RATES AND MULCH WITH WEED SEED CONTENT WILL INHIBIT SEEDING SUCCESS SIGNIFICANTLY. IF THE EROSION HAZARD IS AND THE SEED IS INCORPORATED, MULCHING IS NOT NECESSARY FOR SEEDING SUCCESS. DO NOT APPLY MULCH PRIOR TO "TRACKING" WITH A BULLDOZER.

(b) MULCHING FOR MIX 2 AND 3 - MULCH WITH WEED FREE HAY OR STRAW AND MULCH AT THE RATE OF 2-3 TONS/ACRE FOR MIX 2 AND 1-2 TONS/ACRE FOR MIX 3. THE HIGHER MULCHING RATE IS RECOMMENDED WHERE SEED INCORPORATION IS DIFFICULT. THIS IS ESPECIALLY CRITICAL FOR MIX 2.

(4) SEEDING METHODS

ALTERNATIVE 1 - LARGE AREAS AND/OR STEEP SLOPES
APPLY LIME, SEED AND FERTILIZER WITH A HYDROSEEDER AND DEPENDING ON THE CONSISTENCY OF THE SOIL MATERIAL, STEEPNESS OF SLOPE, AND SEED MIXTURE USE:

- (a) PRESS THE SEED INTO THE SOIL BY "TRACKING" WITH BULLDOZER, OR
- (b) COVER THE SEED BY ROLLING BACK AND FORTH OVER STEEP LOOSE SANDY SLOPES, OR
- (c) APPLY MULCH AND A TACKIFIER TO HOLD THE MULCH IN PLACE.

ALTERNATIVE 2 - FLAT TO GENTLY SLOPING AREAS (2:1 SLOPES MAXIMUM)
APPLY LIME, SEED AND FERTILIZER USING FARM TYPE SPREADERS, AND "TRACK" THE SITE WITH A BULLDOZER OR APPLY MULCH

PERMANENT SEEDING FOR DISTURBED AREAS

REFERENCE:
USDA NRCS TECHNICAL NOTE PUBLICATION PM-NH-21 "VEGETATING NEW HAMPSHIRE SAND AND GRAVEL PITs, REVISED APRIL 2000

(5) SEEDING DATES

PRIMARY SEEDING DATES BEGIN AS SOON AS THE SNOW MELTS IN THE SPRING AND ENDS MAY 15. THE IMPORTANCE OF EARLY SEEDING CANNOT BE OVEREMPHASIZED. THIS IS ESPECIALLY TRUE OF MIX 1. DEPENDING ON THE WEATHER CONDITIONS, SUBSTANTIAL FAILURE CAN BE EXPECTED IF SEEDING IS DONE LATER.

LATE SUMMER AND EARLY FALL SEEDINGS ARE NOT RECOMMENDED FOR MIXES 1 AND 2. IF LATE SEASON SEEDINGS OF MIXES 1 AND 2 ARE NECESSARY, THEY SHOULD BE DONE AFTER OCTOBER 20 TO PREVENT FALL GERMINATION AND SUBSEQUENT WINTER KILL.

MIX 3 CAN ALSO BE SEED FROM AUGUST 15 TO SEPTEMBER 1 WITH CONVENTIONAL SEEDING.

(6) RESPONSE OF SEEDING

THE PLANT SPECIES IN MIXES 1 AND 2 GERMINATE AND GROW SLOWLY. COMPLETE COVER MAY NOT OCCUR FOR 2-4 YEARS. HOWEVER, A WELL ESTABLISHED STAND WILL ENDURE FOR YEARS.

FOLLOW-UP SEEDING MAY BE NEEDED TO ESTABLISH VEGETATION ON THE MORE DIFFICULT PARTS OF SOME SITES. THE NEED TO DO FOLLOW-UP SEEDING CAN BE DETERMINED THE YEAR AFTER THE INITIAL PLANTING.

MAINTENANCE:

SUBSTANTIAL STAND VIGOR CAN BE ACHIEVED IF THE SITE IS TOPDRESSED WITH FERTILIZER ONE YEAR AFTER PLANTING. IF TOPDRESSING MIX 1, FERTILIZE BETWEEN JUNE 15 AND JULY 15. THE TIMING OF THIS TOPDRESSING IS IMPORTANT. MIXES 2 AND 3 SHOULD BE TOPDRESSED IN EARLY SPRING. TOPDRESS MIXES 1 AND 3 WITH A BALANCED FERTILIZER, APPLYING 50 LBS OF NITROGEN/ACRE. FOR EXAMPLE APPLY 250 LBS OF 20-20-20/ACRE. TOPDRESS MIX 2 WITH 500 LBS OF 0-20-20/ACRE IN APRIL, MAY OR JUNE.

IF MOWING IS DESIRED TO SUPPRESS WOODY GROWTH, MOW MIX 1 ABOUT MID JULY LEAVING A STUBBLE HEIGHT OF 6-8 INCHES. IT IS NOT NECESSARY TO MOW MIX 2. A GOOD COVER OF FLATPEA WILL PREVENT INVASION OF WOODY SPECIES. MIX 3 CAN BE MOWED AT ANY TIME.

PERMANENT SEEDING FOR DISTURBED AREAS - CONT.

REFERENCE:
USDA NRCS TECHNICAL NOTE PUBLICATION PM-NH-21 "VEGETATING NEW HAMPSHIRE SAND AND GRAVEL PITs, REVISED APRIL 2000

1. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY EARTH MOVING OPERATIONS. INSTALL ALL STONE CHECK DAMS, SILTATION CONTROL FENCES, CONSTRUCTION EXITS AND ANY OTHER DEVICES PROPOSED IN LOCATIONS SHOWN ON PLANS.
2. CUT AND CLEAR TREES AS REQUIRED. DISPOSE OF DEBRIS. STUMPS ARE TO BE BURIED ON SITE AT THE LOCATIONS SHOWN. STUMPS SHALL BE COMPACTED AND ALL VOIDS FILLED WITH SUITABLE MATERIAL. COVER WITH LOAM FROM SITE AND SEED PER THE EROSION CONTROL NOTES.
3. REMOVE TOPSOIL AND STOCKPILE AWAY FROM ANY WETLAND. STABILIZE STOCKPILE IMMEDIATELY BY SEEDING. PLACE SILT FENCE AROUND THE DOWN SLOPE SIDE OF EARTH STOCKPILES.
4. CONSTRUCT/MAINTAIN THE ACCESS ROAD TO THE EXCAVATION AREA. WHEN CUTTING THROUGH THE SLOPES TO GET TO THE EXCAVATION SITE THE BERM SHALL BE CONSTRUCTED ENSURING THAT THE SITE IS SELF-CONTAINED. ALL CUT AND FILL SLOPES SHALL BE STABILIZED UPON COMPLETION OF ROUGH GRADING PER THE THE EROSION CONTROL NOTES.
5. INSPECT AND MAINTAIN EROSION CONTROL MEASURES ON A DAILY BASIS AND AFTER EVERY 0.25" OR GREATER RAINFALL EVENT.
6. DAILY, OR AS REQUIRED, CONSTRUCT TEMPORARY BERMS, CULVERTS, DITCHES, SILTATION FENCES, SEDIMENT TRAPS, ETC. MULCH AND SEED AS REQUIRED.
7. FINISH GRADING TO PREPARE FOR RESTORATION (LOAM AND SEEDING). ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 72 HOURS AFTER FINAL GRADING.
8. SEEDING SHALL BE PERFORMED UPON COMPLETION OF WORK AREAS. SEE EROSION CONTROL NOTES FOR SEEDING DETAILS.
9. TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED. ACCUMULATED SEDIMENT SHALL BE REMOVED AND STABILIZED APPROPRIATELY.

CONSTRUCTION SEQUENCE NOTES

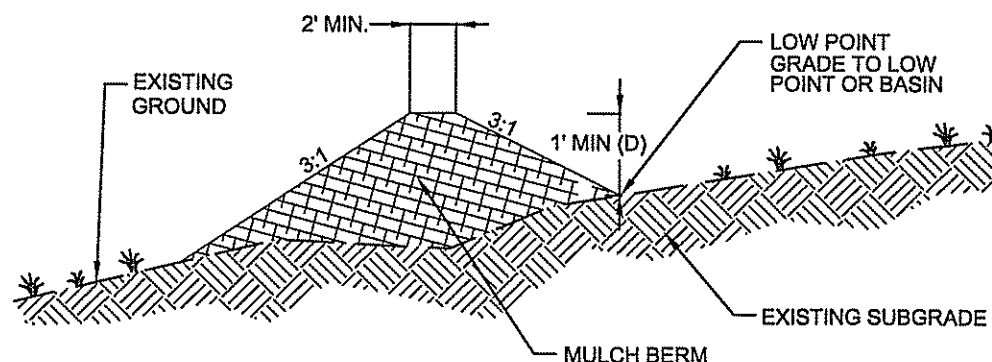
1. TEMPORARY PROTECTION OF DISTURBED AREAS SHALL BE IMPLEMENTED WHERE A TEMPORARY STAND OF GRASS OR SMALL GRASSES WILL NORMALLY PRODUCE SUFFICIENT COVER TO RETARD EROSION AND REDUCE SEDIMENT.
2. USE OF TEMPORARY SEEDING SHALL BE IMPLEMENTED WHEN A DISTURBED AREA WILL BE INACTIVE FOR A PERIOD OF 72 HOURS AFTER FINAL GRADING.
3. THIS DOES NOT APPLY TO MARKETABLE STOCKPILE AREAS OF MATERIAL. ALL STOCKPILES WILL BE SELF CONTAINED WITHIN THE SITE.
4. ALL ESSENTIAL GRADING SUCH AS DIVERSIONS, DAMS, DITCHES, AND DRAINS NEEDED TO PREVENT GULLYING AND REDUCE SILTATION SHALL BE COMPLETED PRIOR TO SEEDING.
5. PREPARE SEEDBED BY REMOVING ALL STONES, TRASH AND STUMPING DEBRIS THAT WILL INTERFERE WITH SEEDING AREA. WHERE FEASIBLE, TILL THE SOIL TO A DEPTH OF ABOUT 3 INCHES TO PREPARE SEEDBED AND MIX FERTILIZER INTO THE SOIL. THE SEEDBED SHOULD BE LEFT IN A FIRM AND SMOOTH CONDITION. THE LAST TILLAGE OPERATIONS SHOULD BE PERFORMED ACROSS THE SLOPE.
6. A MINIMUM OF 300 POUNDS PER ACRE (7 LBS. PER 1,000 SQ.FT.) OF 10-10-10 FERTILIZER, OR ITS EQUIVALENT, SHALL BE UNIFORMLY SPREAD OVER THE AREA PRIOR TO BEING INCORPORATED INTO THE SOIL.
7. THE SEED SHALL BE SPREAD UNIFORMLY OVER THE AREA. AFTER SEEDING, THE SOIL SHOULD BE FIRMED BY ROLLING OR PACKING. WHERE ROLLING OR PACKING IS NOT FEASIBLE, THE SEED SHALL BE COVERED LIGHTLY BY RAKING, DISKING, OR DRAGGING.
8. STRAW MULCH MAY BE NECESSARY TO PROMOTE SEED GERMINATION IN DRY AND/OR INFERTILE CONDITIONS.
9. PLANT SELECTION AND APPLICATION RATES:

SPECIES	RATE 1 (LBS/AC.)	RATE 2 (LBS/1,000 S.F.)	REMARKS
WINTER RYE	112	2.5	FALL, 8/15 TO 9/15 PLANT 1.0 INCH DEEP
OATS	80	2.0	SPRING PRIOR TO 5/15 PLANT 1.0 INCH DEEP
ANNUAL RYEGRASS	40	1.0	QUICK, SHORT DURATION GOOD APPEARANCE EARLY SPRING & FALL PLANT 0.25 INCH DEEP
PERENNIAL RYEGRASS	30	0.7	LASTS LONGER THAN ANNUAL LATE SPRING & FALL MULCHING WILL ALLOW USE ALL SEASON PLANT 0.5 INCH DEEP

SEEDING FOR TEMPORARY PROTECTION OF DISTURBED AREAS

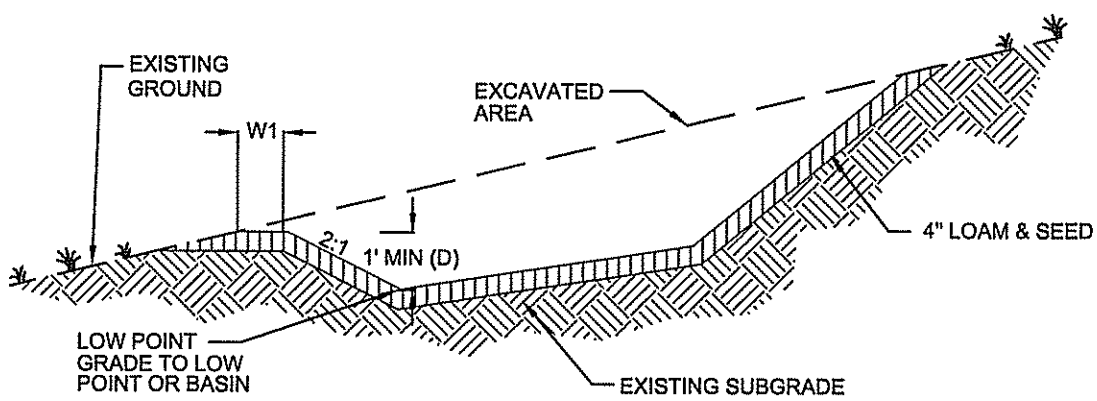
1. ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE REQUIREMENTS AND SPECIFICATIONS OF THE TOWN OF WILTON AND RSA 155-E.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, SIZE, AND ELEVATION OF ALL EXISTING UTILITIES SHOWN OR NOT SHOWN ON THESE PLANS AND SHALL VERIFY THAT ALL THE INFORMATION SHOWN HEREON IS CONSISTENT, COMPLETE, ACCURATE, AND CAN BE CONSTRUCTED PRIOR TO AND/OR DURING CONSTRUCTION. FIELDSTONE LAND CONSULTANTS, PLLC, AS THE DESIGN ENGINEER, SHALL BE NOTIFIED IN WRITING OF ANY DISCREPANCIES, ERRORS, OMISSIONS, OR EXISTING UTILITIES FOUND INTERFERING WITH THE PROPOSED CONSTRUCTION SO THAT REMEDIAL ACTION MAY BE TAKEN BEFORE PROCEEDING WITH THE WORK.
3. THE CONTRACTOR SHALL CONTACT "DIGSAFE" 72 HOURS PRIOR TO THE START OF CONSTRUCTION (1-800-255-4977 IN NH, 1-888-344-7233 IN MA).
4. COMPLIANCE WITH ALL APPLICABLE REGULATIONS AND SPECIAL CONDITIONS OF TOWN/CITY AGENCIES, SUCH AS THE PLANNING BOARD, ZONING BOARD, CONSERVATION COMMISSION, AND OTHERS, IS MANDATORY AND IS THE RESPONSIBILITY OF THE OWNER.
5. ANY ALTERATION OF THIS DESIGN OR CHANGE DURING CONSTRUCTION MAY REQUIRE APPROVAL OF VARIOUS TOWN BOARDS OR AGENCIES AND SHALL BE DISCUSSED WITH THE OWNER AND FIELDSTONE LAND CONSULTANTS, PLLC PRIOR TO CONSTRUCTION.

GENERAL CONSTRUCTION NOTES



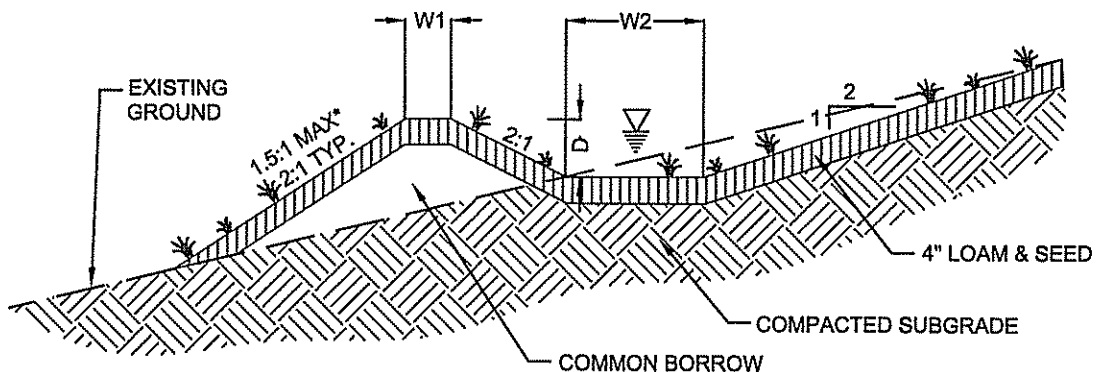
MULCH SHALL CONSIST OF GROUND STUMPS, CHIPPED BRUSH AND/OR OTHER OTHER ORGANIC MATERIAL NECESSARY TO FORM A STABLE BERM

MULCH BERM



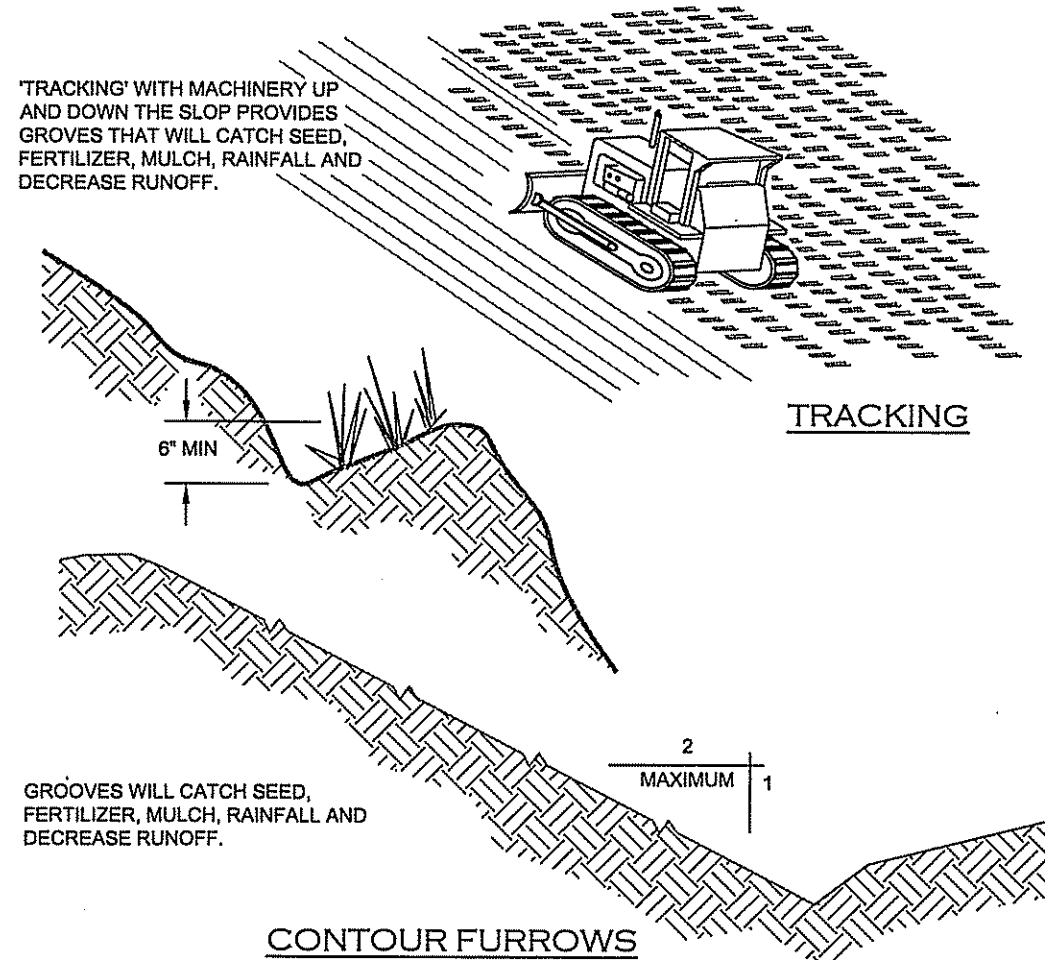
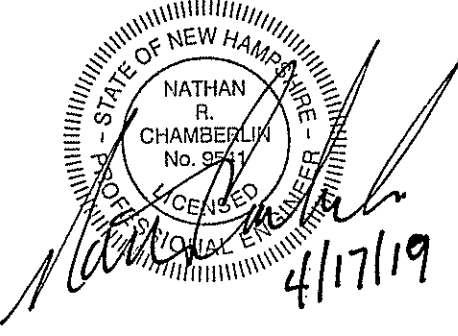
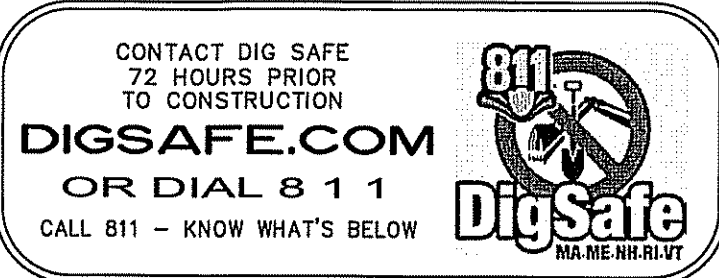
SEE DESIGN PLANS FOR DIMENSIONS
USE EROSION CONTROL FABRIC ON SLOPES OVER 2:1 SLOPE

DIVERSION SWALE / BERM (EXCAVATED CONDITION)

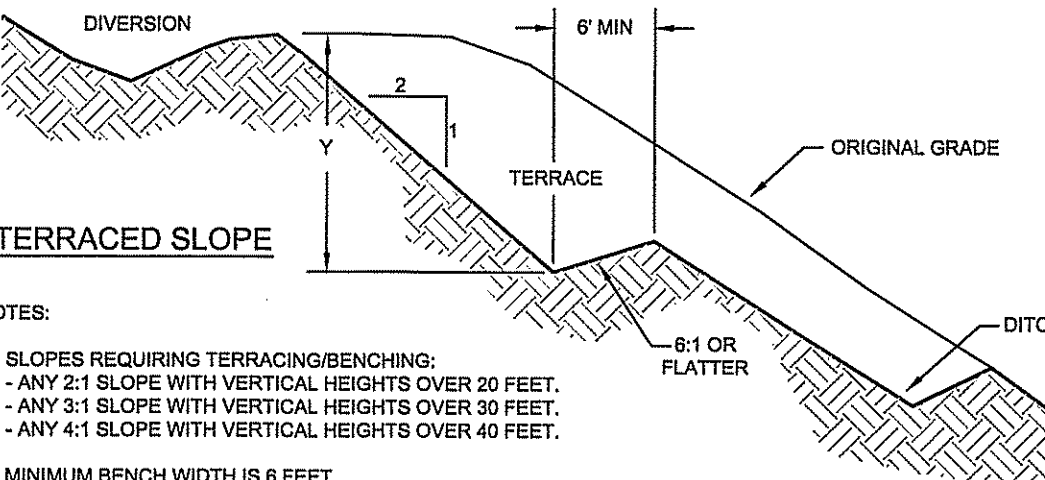


SEE DESIGN PLANS FOR DIMENSIONS
USE EROSION CONTROL FABRIC ON SLOPES OVER 2:1 SLOPE

DIVERSION SWALE / BERM (FILL CONDITION)



SURFACE ROUGHENING



NOTES:

1. SLOPES REQUIRING TERRACING/BENCHING:
 - ANY 2:1 SLOPE WITH VERTICAL HEIGHTS OVER 20 FEET.
 - ANY 3:1 SLOPE WITH VERTICAL HEIGHTS OVER 30 FEET.
 - ANY 4:1 SLOPE WITH VERTICAL HEIGHTS OVER 40 FEET.
2. MINIMUM BENCH WIDTH IS 6 FEET.
3. BENCHES SHALL GRADE INTO EMBANKMENT (REVERSE SLOPE) AT A SLOPE OF 6:1 OR FLATTER AND BE A MINIMUM OF 1 FOOT IN DEPTH.
4. THE MAXIMUM FLOW LENGTH ALONG BENCH SHALL NOT EXCEED 800 FEET.
5. THE BENCH GRADIENT TO THE OUTLET POINT SHALL BE 2 TO 3 PERCENT.

TERRACED SLOPE

A	X/XX/XX	XXXXXXXXXXXXXX	XXX	XXX
REV.	DATE	DESCRIPTION	C/O	DR CK

CONSTRUCTION DETAILS

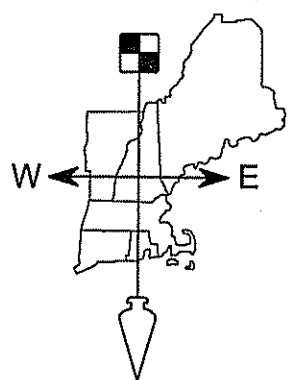
MAP F, LOT 3-2
539 ISAAC FRYE HIGHWAY
WILTON, NEW HAMPSHIRE

PREPARED FOR AND LAND OF,
NATHAN & KRISTINE CHAMBERLIN
43 VALHALLA DR. MILFORD, NH 03055

SCALE: AS SHOWN

APRIL 17, 2019

Surveying ♦ Engineering ♦ Land Planning ♦ Permitting ♦ Septic Designs



FIELDSTONE
LAND CONSULTANTS, PLLC

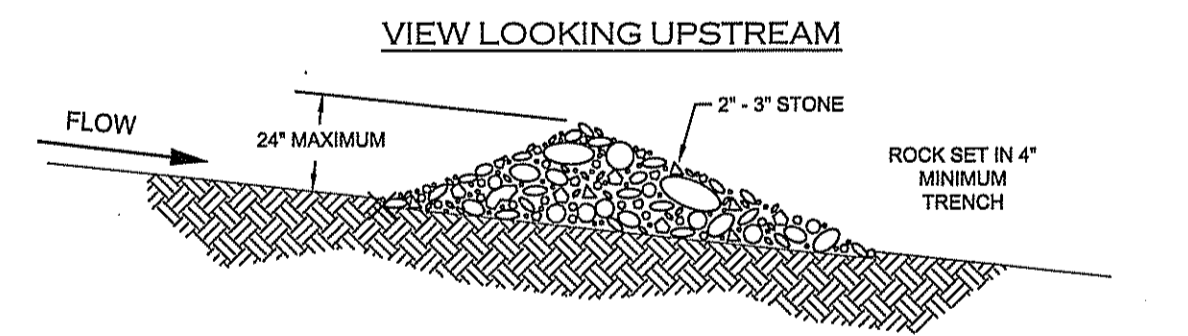
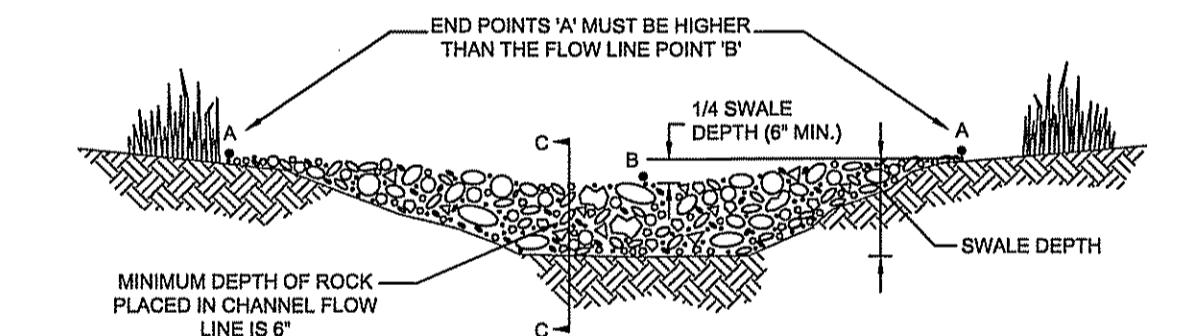
206 Elm Street, Milford, NH 03055
Phone: (603) 672-5456 Fax: (603) 413-5456
www.FieldstoneLandConsultants.com

DURING EXCAVATION AND THEREAFTER, EROSION CONTROL MEASURES ARE TO BE IMPLEMENTED AS NOTED:

1. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY EARTH MOVING OPERATIONS IN ANY GIVEN AREA. INSTALL ALL STONE CHECK DAMS, SILTATION CONTROL FENCES, CONSTRUCTION EXITS AND ANY OTHER DEVICES PROPOSED IN LOCATIONS SHOWN ON PLANS PER MANUFACTURER'S RECOMMENDATIONS.
2. CUT AND CLEAR TREES AS REQUIRED. DISPOSE OF DEBRIS. STUMPS ARE TO BE BURIED ON SITE AT THE LOCATIONS SHOWN. STUMPS SHALL BE COMPACTED AND ALL VOIDS FILLED WITH SUITABLE MATERIAL. COVER WITH 4" OF LOAM FROM SITE AND SEED.
3. REMOVE TOPSOIL AND STOCKPILE AWAY FROM ANY WETLAND. ALL STOCKPILES SHALL BE STABILIZED IMMEDIATELY BY SEEDING. PLACE SILT FENCE AROUND THE DOWN SLOPE SIDE OF EARTH STOCKPILES.
4. EXISTING VEGETATION IS TO REMAIN UNDISTURBED WHEREVER POSSIBLE.
5. THE AREA OF LAND EXPOSED AND THE TIME OF EXPOSURE SHALL BE MINIMIZED. ALL NON-ACTIVE DISTURBED AREAS (AREAS CLEARED FOR EXCAVATION BUT NOT PRESENTLY UNDERGOING EXCAVATION) SHALL BE STABILIZED WITHIN 14 DAYS OF DISTURBANCE. THE MAXIMUM AREA OF ACTIVE DISTURBANCE SHALL BE LIMITED TO 10 ACRES (THIS DOES NOT INCLUDE THE PROCESSING AREA OR ACCESS ROADS WHICH COULD TOTAL APPROXIMATELY 5 ACRES). ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 72 HOURS AFTER FINAL GRADING.
6. DURING EXCAVATION THE PROJECT SHALL BE GRADED IN SUCH A WAY THAT ALL SIDE SLOPES SLOPE INTO THE PROJECT. THE AREA BEING EXCAVATED SHALL BE SELF CONTAINED. SEE GRADING PLANS.
7. DAILY, OR AS REQUIRED, CONSTRUCT TEMPORARY BERMS, CULVERTS, DITCHES, SILTATION FENCES, SEDIMENT TRAPS, ETC. MULCH AND SEED AS REQUIRED.
8. INSPECT AND MAINTAIN EROSION CONTROL MEASURES ON A DAILY BASIS AND AFTER EVERY 0.25" OR GREATER RAINFALL EVENT.
9. SEDIMENT BASINS SHALL BE CLEANED WHEN THE BASIN'S CAPACITY IS REDUCED TO HALF. THE SEDIMENT SHALL BE REMOVED TO A SECURE LOCATION AWAY FROM WATERWAYS AND WETLANDS.
10. ALL DISTURBED AREAS SHALL BE STABILIZED, AS REQUIRED, WITHIN 72 HOURS AFTER FINAL GRADING.
11. AN AREA MAY BE CONSIDERED STABILIZED WHEN ONE OF THE FOLLOWING AS OCCURED
A. BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED;
B. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;
C. A MINIMUM OF 3-INCHES OF NON-EROSIVE MATERIAL SUCH AS STONE, RIPRAP OR MULCH (STUMP GRINDINGS) HAVE BEEN INSTALLED; OR
D. EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
12. CUT SLOPES MAY BE LEFT AS SAND SLOPES TO PROVIDE HABITATS FOR WILDLIFE. THIS SHALL ONLY OCCUR IN AREAS WHERE THE SITE IS SELF-CONTAINED.
13. IF VEGETATION IS CHOSEN FOR STABILIZATION (RESTORATION) THEN ALL DISTURBED AREAS SHALL BE COVERED WITH LOAM FROM THE SITE AND SEED. SEEDING PREPARATION AND MIXTURES SHALL BE AS DESCRIBED IN PERMANENT SEEDING NOTES ON SHEET DT-1.
14. PERMANENT OR TEMPORARY COVER MUST BE IN PLACE BEFORE THE GROWING SEASON ENDS.
15. IF PLANTINGS ARE CHOSEN FOR STABILIZATION (RESTORATION) THEN PLANTINGS SHOULD MIMIC AREAS OF THE SITE THAT HAVE ALREADY BEEN SUCCESSFULLY RESTORED. ALL DISTURBED AREAS SURROUNDING THE PLANTINGS SHALL BE COVERED WITH A MINIMUM OF 2-INCHES OF MULCH OR LOAM FROM THE SITE AND SEED.
16. TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED. ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISPOSED OF APPROPRIATELY.
17. THE CONTRACTOR AND OWNER ARE RESPONSIBLE FOR OBSERVING AND MANAGING THE PROJECT PER RSA 430:53 AND AGR 3800 REGARDING INVASIVE SPECIES (PLANTS AND INSECTS). NO INVASIVE SPECIES PLANT OR INSECT SHALL BE INTRODUCED ONTO THE SITE.
18. DITCHES, SWALES AND DRAINAGE BASINS SHALL BE CONSTRUCTED DURING THE INITIAL PHASE OF CONSTRUCTION AND STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
19. ACCESS ROAD SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISH GRADE.
20. ALL CUT AND FILL SLOPES SHALL BE LOAMED AND SEEDDED WITHIN 72 HOURS OF ACHIEVING FINISH GRADE.

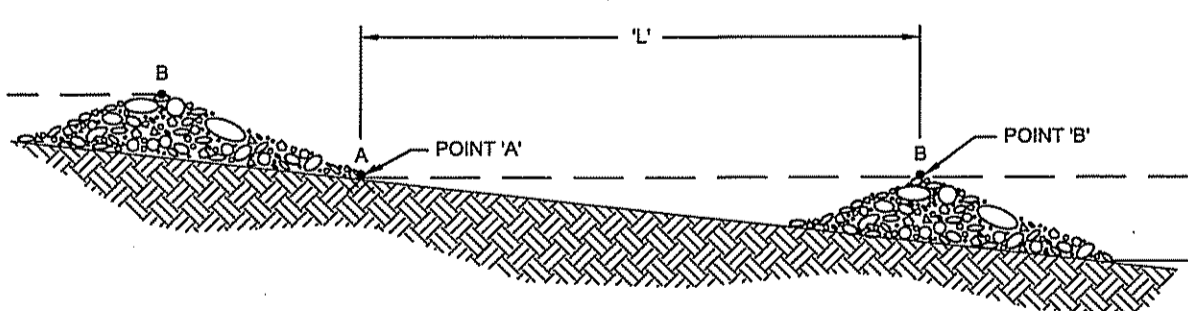
EROSION CONTROL NOTES - EARTH REMOVAL

1
DT-2



SECTION C - C

"L" = THE DISTANCE SUCH THAT POINTS 'A' AND 'B' ARE OF EQUAL ELEVATION



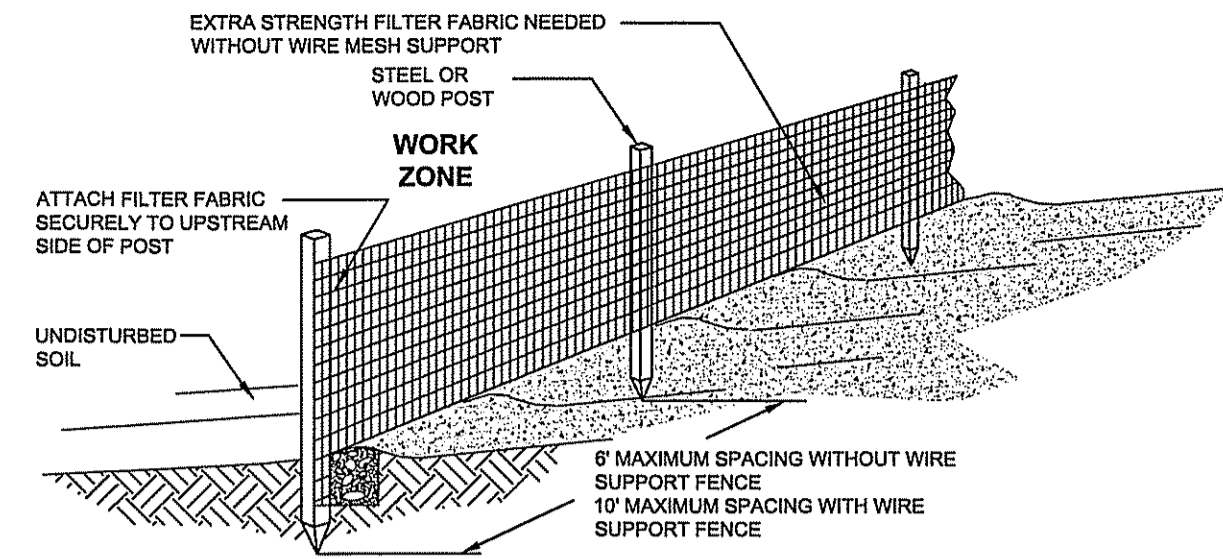
NOTES:

1. STONE CHECK DAMS SHOULD BE INSTALLED BEFORE RUNOFF IS DIRECTED TO THE SWALE OR DRAINAGE DITCH.
2. THE MAXIMUM CONTRIBUTING DRAINAGE AREA TO THE CHECK DAM SHOULD BE LESS THAN ONE ACRE.
3. STONE CHECK DAMS SHOULD NOT BE USED IN A FLOWING STREAM.
4. STONE CHECK DAMS SHOULD BE CONSTRUCTED OF WELL-GRADED ANGULAR 2 TO 3 INCH STONE. THE INSTALLATION OF 3/4-INCH STONE ON THE UPGRADIENT FACE IS RECOMMENDED FOR BETTER FILTERING.
5. WHEN INSTALLING STONE CHECK DAMS THE CONTRACTOR SHALL KEY THE STONE INTO THE CHANNEL BANKS AND EXTEND THE STONE BEYOND THE ABUTMENTS A MINIMUM OF 18-INCHES TO PREVENT FLOW AROUND THE DAM.
6. STONE CHECK DAMS SHOULD BE REMOVED ONCE THE SWALE OR DITCH HAS BEEN STABILIZED UNLESS OTHERWISE SPECIFIED.

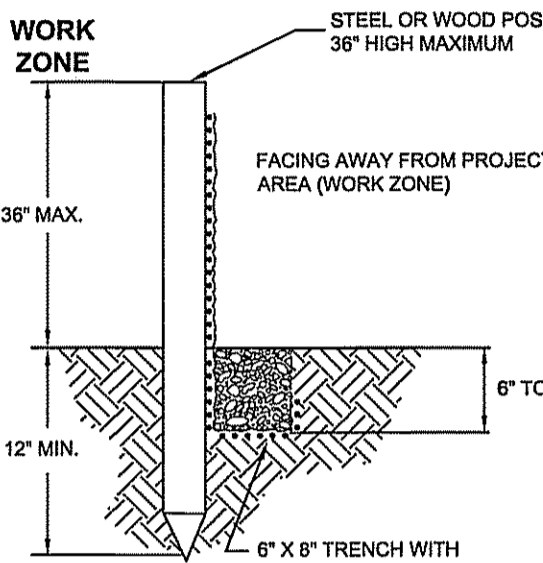
SCALE: N.T.S.

STONE CHECK DAM

2
DT-2



PERSPECTIVE VIEW



SECTION VIEW

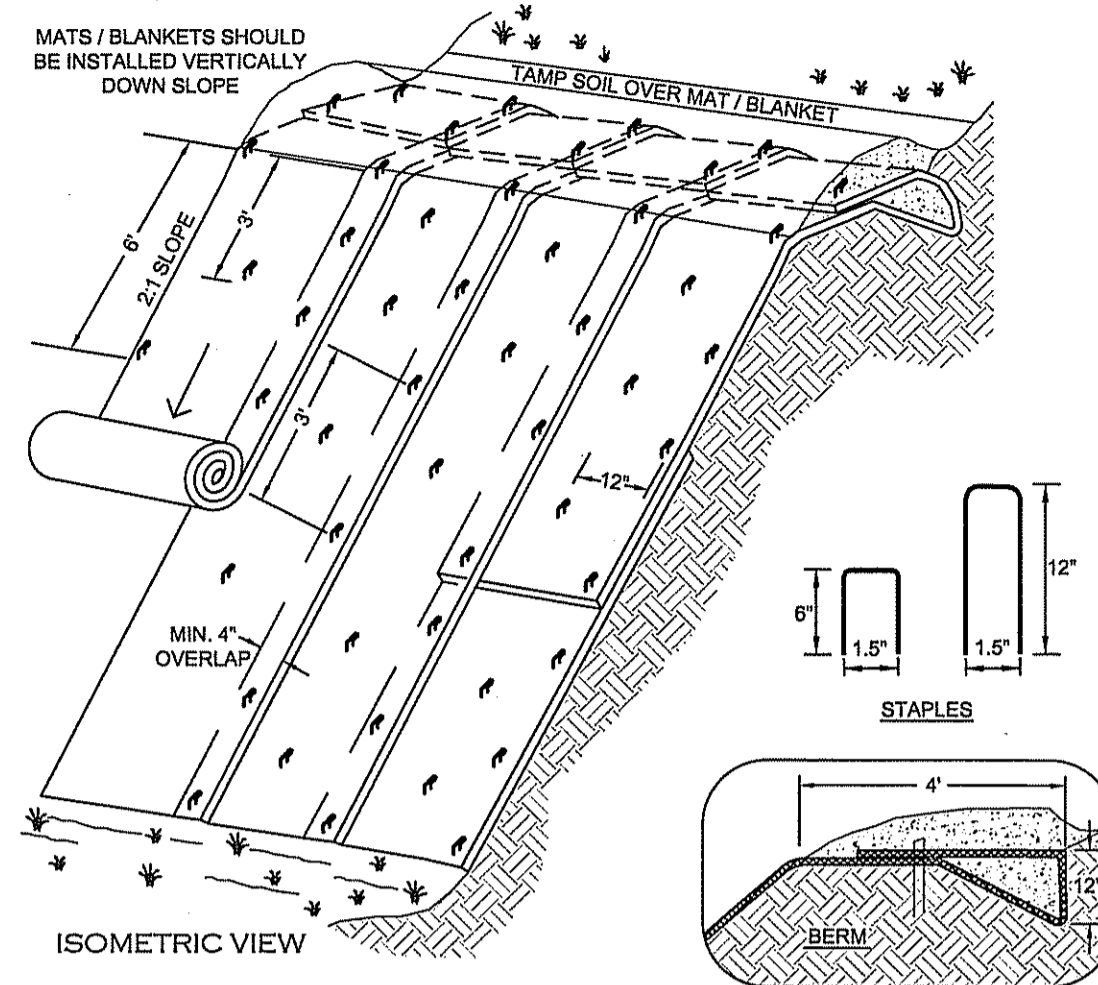
NOTES:

1. SILT FENCES SHOULD NOT BE USED ACROSS STREAMS, CHANNELS, SWALES, DITCHES OR OTHER DRAINAGE WAYS.
2. SILT FENCE SHOULD BE INSTALLED FOLLOWING THE CONTOUR OF THE LAND AS CLOSELY AS POSSIBLE AND THE ENDS OF THE SILT FENCE SHOULD BE FLARED UPSLOPE.
3. IF THE SITE CONDITIONS INCLUDE FROZEN GROUND, LEDGE OR THE PRESENCE OF HEAVY ROOTS THE BASE OF THE FABRIC SHOULD BE EMBEDDED WITH A MINIMUM THICKNESS OF 8 INCHES OF 3/4-INCH STONE.
4. SILT FENCES PLACED AT THE TOE OF SLOPES SHOULD BE INSTALLED AT LEAST 6 FEET FROM THE TOE TO ALLOW SPACE FOR SHALLOW PONDING AND ACCESS FOR MAINTENANCE.
5. THE MAXIMUM SLOPE ABOVE THE FENCE SHOULD BE 2:1 AND THE MAXIMUM LENGTH OF SLOPE ABOVE THE FENCE SHOULD BE 100 FEET.
6. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE TO SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
7. SILT FENCES SHOULD BE REMOVED WHEN THE UPSLOPE AREAS HAVE BEEN PERMANENTLY STABILIZED.
8. SILT FENCES SHOULD BE INSTALLED FACING AWAY FROM THE WORK ZONE.

SCALE: N.T.S.

SILT FENCE / PERIMETER BARRIER

3
DT-2



ISOMETRIC VIEW

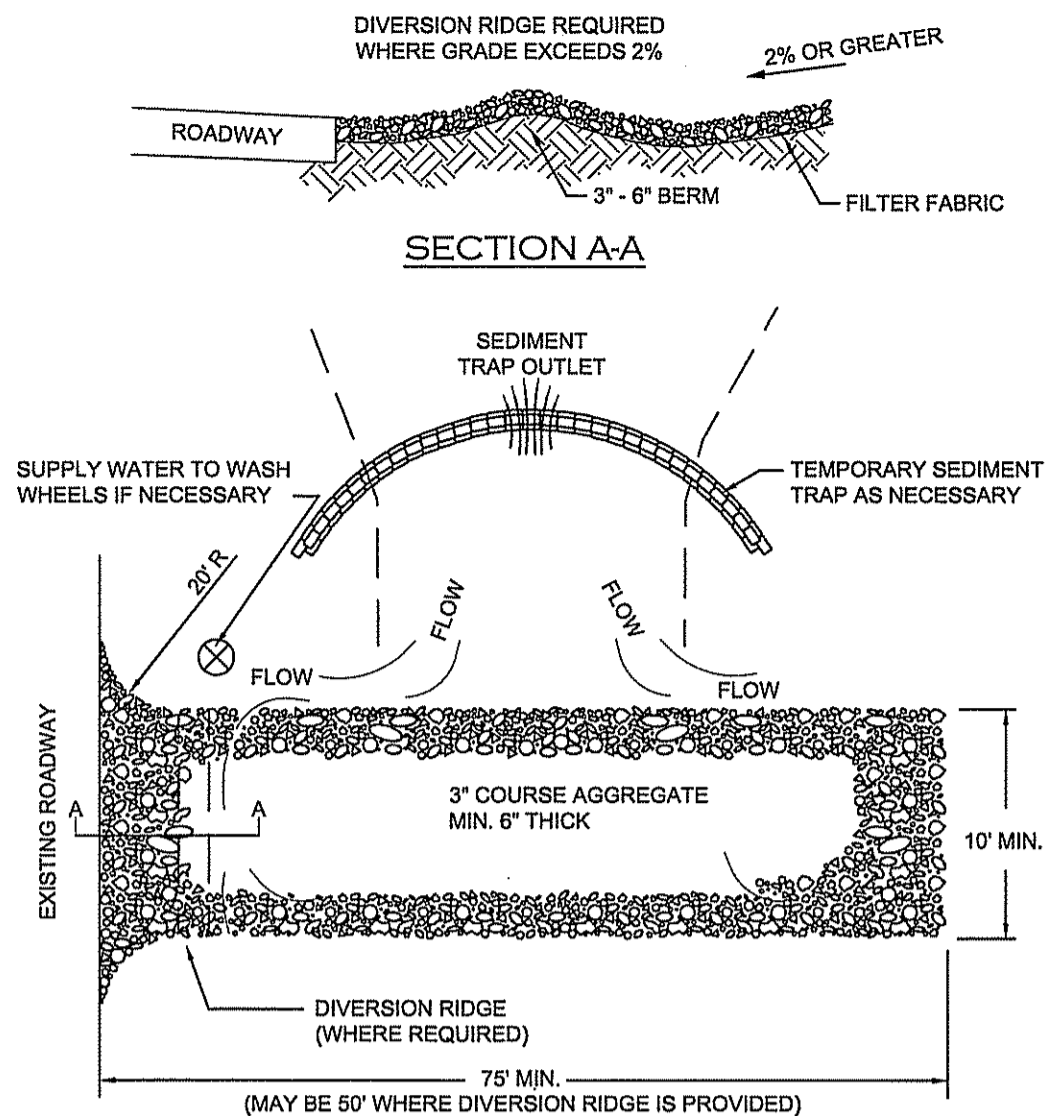
NOTES:

1. DIMENSIONS GIVEN IN THIS DETAIL ARE EXAMPLES. DEVICE SHOULD BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
2. INSTALL STRAW/COCONUT FIBER EROSION CONTROL MAT SUCH AS NORTH AMERICAN GREEN SC150BN OR EQUAL ON ALL SLOPES TO BE STABILIZED.
3. THE EROSION CONTROL MATERIAL(S) SHALL BE ANCHORED WITH "U" SHAPED 11 GAUGE WIRE STAPLES OR WOODEN STAKES WITH A MINIMUM TOP WIDTH OF 1 INCH AND LENGTH OF 7 INCH.
4. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS / BLANKETS SHALL HAVE GOOD SOIL CONTACT.
5. APPLY LIME, FERTILIZER AND PERMANENT SEEDING BEFORE PLACING BLANKETS.
6. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET AS SHOWN. ROLL THE BLANKETS DOWN THE SLOPE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES OR STAKES IN APPROPRIATE LOCATIONS. REFER TO MANUFACTURERS STAPLE GUIDE FOR CORRECT STAPLE PATTERN.
7. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
8. IN LOOSE SOIL CONDITIONS THE USE OF STAPLES OR STAKE LENGTHS GREATER THAN 6 INCHES MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.
9. THE CONTRACTOR SHALL MAINTAIN THE BLANKET UNTIL ALL WORK ON THE CONTRACT HAS BEEN COMPLETED AND ACCEPTED. MAINTENANCE SHALL CONSIST OF THE REPAIR OF AREAS WHERE DAMAGED BY ANY CAUSE. ALL DAMAGED AREAS SHALL BE REPAIRED TO REESTABLISH THE CONDITIONS AND GRADE OF THE SOIL PRIOR TO APPLICATION OF THE COVERING AND SHALL BE REFERTILIZED, RESEEDED AND REMULCHED AS DIRECTED.

SCALE: N.T.S.

EROSION BLANKETS - SLOPE INSTALLATION

4
DT-2



NOTES:

PLAN VIEW

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 2. THE MINIMUM STONE USED SHOULD BE 3-INCH CRUSHED STONE.
 3. THE MINIMUM LENGTH OF THE PAD SHOULD BE 75 FEET, EXCEPT THAT THE MINIMUM LENGTH MAY BE REDUCED TO 50 FEET IF A 3-INCH TO 6-INCH HIGH BERM IS INSTALLED AND THE ENTRANCE OF THE PROJECT SITE.
 4. THE PAD SHOULD EXTEND THE FULL WIDTH OF THE CONSTRUCTION ACCESS ROAD OR 10 FEET, WHICHEVER IS GREATER.
 5. THE PAD SHOULD SLOPE AWAY FROM THE EXISTING ROADWAY.
 6. THE PAD SHOULD BE AT LEAST 6-INCHES THICK.
 7. THE GEOTEXTILE FILTER FABRIC SHOULD BE PLACED BETWEEN THE STONE PAD AND THE EARTH SURFACE BELOW THE PAD.
 8. THE PAD SHALL BE MAINTAINED OR REPLACED WHEN MUD AND SOIL PARTICLES CLOG THE VOIDS IN THE STONE SUCH THAT MUD AND SOIL PARTICLES ARE TRACKED OFF-SITE.
 9. NATURAL DRAINAGE THAT CROSSES THE LOCATION OF THE STONE PAD SHOULD BE INTERCEPTED AND PIPED BENEATH THE PAD, AS NECESSARY, WITH SUITABLE OUTLET PROTECTION.
 10. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
 11. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
 12. ROCK BAGS OR SANDBAGS SHALL BE PLACED SUCH THAT NO GAPS ARE EVIDENT. SEE NOTES ERO-03.
- * THE PLANS DO NOT CALL FOR THE INSTALLATION OF A CONSTRUCTION EXIT DUE TO THE TRAVEL LENGTH ON-SITE AND THE SINGLE-GRAINED SANDY SOILS ON-SITE. SHOULD CONDITIONS EXIST THAT CAUSE TRACKING A CONSTRUCTION EXIT SHALL BE INSTALLED.

SCALE: N.T.S.

TEMPORARY GRAVEL CONSTRUCTION EXIT

5
DT-2

A	X/XX/XX	XXXXXXXXXXXXXXXX		XXX	XXX
REV.	DATE	DESCRIPTION	C/O	DR	CK

CONSTRUCTION DETAILS

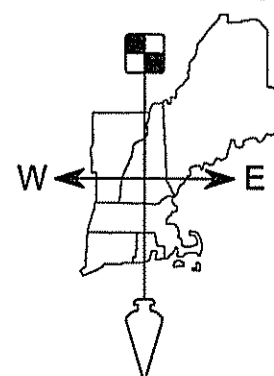
MAP F, LOT 3-2
539 ISAAC FRYE HIGHWAY
WILTON, NEW HAMPSHIRE

PREPARED FOR AND LAND OF:
NATHAN & KRISTINE CHAMBERLIN
43 VALHALLA DR. MILFORD, NH 03055

SCALE: AS SHOWN

APRIL 17, 2019

Surveying ♦ Engineering ♦ Land Planning ♦ Permitting ♦ Septic Designs



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