

CONSTRUCTION SEQUENCE NOTES

- 1. ALL PROPERTY CORNERS SHALL BE STAKED OR CLEARLY MARKED WITH GRADE STAKES OR FLAGGING BY A LAND SURVEYOR. PROPERTY LINES AND BUFFERS NEAR THE OPERATION SHALL BE CLEARLY MARKED AT REASONABLE INTERNALSTO PREVENT ENCROCHMENT ON ABUTTING PROPERTIES.

 WHERE NECESSARY FOR EXCANATION CUT AND CLEAR TREES, DISPOSE OF ALL DEBRIS. STUMPS ARE TO BE BURED IN THE EMBANKMENT IN THE STUMP DISPOSAL AREA.

 2. CONSTRUCT TEMPORARY SEDIMENT AND EROSION CONTROL, MEASURES.

 4. EXCANATE MATERIAL NO MORE THAN 10 AGRES OF AREA MAY BE EXPOSED AT ANY ONE TIME.

 5. BEGINN PERMANENTAND TEMPORARY SEDIMEN AND MULCHIEG, ALL CUT SUPES SHALL BE SEEDED AND MULCHED IMAEDIATELY AFTER THE EXCANATION IS COMLETED.

 6. DAILY, OR AS REQUIRED CONSTRUCT TEMPORARY BEBRIS, BASINS, DITCHES, SILT FENCES, SEDIMENET TRAPS, ETC. JAULCH AND SEED AS REQUIRED.

 7. INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES.

 8. COMPLETE PERMANENT SEDDING, LANDSCAPING AND OTHER RESORATION MEASURES.

 10. FRUGTIVE DUST SHALL BE CONTROLLED IN ACCORDANCE WITH NHDES REGULATIONS.

GENERAL NOTES

- 1. ALL IN PAVEMENT MANHOLES SHALL HAVE RIMS SET TO FINISH GRADE REGARDLESS OF ANY ELEVATIONS OTHERWISE
- 2. WHERE DEPTH OF COVER IS LESS THAN 3 FEET CLASS V REINFORCED CONCRETE PIPE SHALL BE USED.
- 3. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES OWNING UTILITIES, EITHER OVERHEAD OR UNDERGROUND, WITHIN THE CONSTRUCTION AREA AND SHALL COORDINATE AS NECESSARY WITH THE UTILITY COMPANIES OF SAU UTILITIES. THE PROTECTION OR RELOCATION OF UTILITIES IS ULTIMATELY THE RESPONSIBILITY OF THE CONTRACTOR.
- . THE CONTRACTOR SHALL MAINTAIN EMERGENCY ACCESS TO ALL AREAS AFFECTED BY HIS WORK AT ALL TIMES
- 5. ALL EXCAVATIONS SHALL BE THOROUGHLY SECURED ON A DAILY BASIS BY THE CONTRACTOR AT THE COMPLETION OF CONSTRUCTION OPERATIONS IN THE IMMEDIATE AREA.
- EROSION CONTROL SYSTEMS SHALL BE INSTALLED AND MAINTAINED FOR THE DURATION ACCORDANCE WITH APPLICABLE NHOES STANDARDS. THESE DETAILS SERVE AS A GUIDE
- 7. REFER TO THE TOWN STANDARD DETAILS, LATEST REVISION, FOR ADDITIONAL INFORMATION AND CRITERIA
- 8. THE CONTRACTOR SHALL STABILIZE ALL DITCHES, SWALES, AND PONDS PRIOR TO DIRECTING FLOW TO THEM.
- 9. THE SMALLEST PRACTICAL AREA SHALL BE DISTURBED DURING CONSTRUCTION, BUT IN NO CASE SHALL EXCEED 5
 AGRES AT ANY ONE TIME BEFORE DISTURBED AREAS ARE STABILIZED.

EROSION CONTROL NOTES

DURING CONSTRUCTION AND THEREAFTER, FROSION CONTROL MEASURES ARE TO BE IMPLEMENTED AS NOTED

- INSTALLATION OF SILTATION FENCES AND OTHER EROSION CONTROL MEASURES SHALL BE COMPLETED PRIOR TO THE START OF SITE WORK IN ANY GIVEN AREA. PREFABRICATED SILTATION FENCES SHALL BE INSTALLED ACCORDING.
- Siltation Fences and other erosion control measures shall be kept clean during construction and removed when all slopes have a vecetative cover of graher than 85%, erosion control measures shall be inspected on a weekly basis and after every rainfall.
- 3. EXISTING VEGETATION IS TO REMAIN UNDISTURBED WHEREVER POSSIBLE.
- 4. THE AREA OF LAND EXPOSED AND THE TIME OF EXPOSURE SHALL BE MINIMIZED, ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 72 HOURS AFTER FINAL GRADING.
- 5. ALL DISTURBED AREAS SHALL HAVE A MINIMUM OF 4" OF LOAM. ACCEPTABLE SEED MIXES ARE AS FOLLOWS:

WILDFLOWER SLOPE (NIDOT TYPE 45) MIX 3:1 OR GREATER SLOPES (MIN. 160 LBS/ACRE):
38% CREEPING RED FESCUE (MIN. 60 LBS/ACRE)
42% FERBANNAL RIEGRASS (MIN. 51 LBS/ACRE)
5% ALSINE CLOVER (MIN. 8 LBS/ACRE)
5% ALSINE CLOVER (MIN. 8 LBS/ACRE)
5% ALSINE CLOVER (MIN. 8 LBS/ACRE)
5% ALSINE CLOVER (MIN. 3 LBS/ACRE)
5% ALNCE-LEAF CORGOPISS (MIN. 3 LBS/ACRE)
5% OXYET CALSY (MIN. 3 LBS/ACRE)
5% BLACKETED SUSAN (MIN. 3 LBS/ACRE)
3% BLACKETED SUSAN (MIN. 3 LBS/ACRE)
3% WILD LUPINE (MIN. 3 LBS/ACRE)

GENERAL SLOPE (NHOOT TYPE 44) MIX 3:1 OR GREATER SLOPES (MIN. 160 LBS/ACRE):
44% CREEPING RED FESCUE (MIN. 70 LBS/ACRE)
38% PERENNIAL RYGGRASS (MIN. 60 LBS/ACRE)

- A. PLACING LOAM ON SITE

 G. ALL SUBGRADE ELEVATIONS SHOULD BE UNIFORMLY GRADED TO RECEIVE LOAM AND SHALL BE
 INSPECTED AND APPROVED BY THE GENERAL CONTRACTOR PRIOR TO PLACEMENT OF LOAM.
- b. Place Loam to form a minimum depth of 4" when rolled, unless otherwise indicated.

 a. All depressions exposed during the rolling shall be filled with additional loam.
- SEED BED PREPARATION
 AFTER FINISH READING AND JUST BEFORE SEEDING, THE AREAS TO BE SEEDED SHALL BE LOOSENED
 TO PROVIDE A ROUGH, FRIM BUT FINISTY PULVERIZED SEEDBED. THE INTENT IS A TEXTURE CAPABLE
 OF RETAINING WATER, SEED AND FERTILIZER WHILE REMAINING STABLE AND ALLOWING SEED TIME TO
 GERMINATE. SEED SHALL BE APPLIED TO THE CONDITIONED SEEDBED NOT MORE THAN 48 HOURS
 AFTER THE SEEDBED HAS BEEN PREPARED.

- 8. PERIMANENT OR TEMPORARY COVER MUST BE IN PLACE BEFORE THE GROWING SEASON ENDS. WHEN SEEDED AREAS ARE MULCHED, PLANTINGS MAY BE MADE FROM EARLY SPRING TO EARLY COTOBER. WHEN SEEDED AREAS AREA MULCHED, PLANTINGS SHOULD BE MADE FROM EARLY SPRING TO MAY. 20 OR FROM AUGUST 15 TO SEPTEMBER 15. NO DISTURBED AREA SHALL BE LEFT EXPOSED DURING WINTER MONTHS.
- WATER SHALL BE USED FOR DUST CONTROL IN APPROPRIATE AREAS.

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WINTER CONSTRUCTION

- IN ADDITION TO THE OTHER NOTES CONTAINED ON THIS PLAN. THE FOLLOWING MUST BE IMPLEMENTED
- 1. WINTER EXCAVATION AND EARTHWORK SHALL BE COMPLETED AS SUCH THAT NO MORE THAN 1 ACRE OF THE SITE IS WITHOUT STABILIZATION AT ANY ONE TIME.
- 2. AN AREA WITHIN 100 FEET OF A PROTECTED NATURAL RESOURCE MUST BE PROTECTED WITH A DOUBLE ROW OF SEDIMENT PARRIER.
- 4. AREAS THAT HAVE BEEN BROUGHT TO FINAL GRADE MUST BE PERMANENTLY MULCHED THE SAME DAY.
- 5. IN THE EVENT OF A SNOWFALL GREATER THAN 1 INCH (FRESH OR CUMULATIVE), THE SNOW SHALL BE REMOVED FROM THE AREAS DUE TO BE SEEDED AND MULCHED.
- 6. LOAM SHALL BE FREE OF FROZEN CLUMPS BEFORE IT IS APPLIED.
- 7. A DITCH THAT WILL BE CONSTRUCTED DURING THE WINTER MUST BE STABILIZED WITH RIPRAD

OVERWINTER STABILIZATION

- 2. DO NOT EXPOSE SLOPES OR LEAVE SLOPES EXPOSED OVER THE WINTER OR FOR ANY OTHER EXTENDED TIME OF WORK SUSPENSION UNLESS FULLY PROTECTED WITH MULCH
- APPLY HAY MULCH AT TWICE THE STANDARD RATE (150 LBS. PER 1,000 SF). THE MULCH MUST BE THICK ENOUGH SUCH THAT THE GROUND SURFACE WILL NOT BE VISIBLE AND MUST BE ANCHORED.
- 5. INSTALL AN EROSION CONTROL BLANKET IN ALL DRAINAGE WAYS (BOTTOM AND SIDES) WITH A SLOPE CREATER THAN 3%
- 6. SEE THE VEGETATION MEASURES FOR MORE INFORMATION ON SEEDING DATES AND TYPES

RECLAMATION NOTES

- RECLAMATION NOTES

 1. ALL LOAM AND TOPSOIL TO BE STRIPPED AND STOCKPILED AND RESPREAD TO A MINIMUM DEPTH OF 4
 NOHES IN THE COMPETED PIT
 2. EXCEPT FOR EXPOSED ROCK LEDGE ALL AREAS WHICH HAVE BEEN AFFECTED BY THE EXCANDION OR
 OTHERWISE STRIPPED OF VEGETATION SHALL BE SPREAD WITH TOPSOILS OR STRIPPINIOS IF ANY, BUT IN
 ANY CASE, COVERED BY SOIL CAPABLE OF SUSTAINING VEGETATION, ASIND SHALL BE PLANTED WITH
 SEEDDLINGS OR GRASS SUITABLE TO PREVENT EROSION.
 3. ALL EARTH AND VEGETATIVE DEBISIS RESULTING FROM THE EXCANDION SHALL BE REMOVED OR
 OTHERWISE LAWFULLY DISPOSED OF.
 4. ALL SLOPES, EXCEPT EXPOSED LEDGE SHALL NOT BE LEFT STEEPER THAN 2:1.
- - DING:
 DIVERT SURFACE AND SEEPAGE WATER FROM AREA TO BE SEEDED.
 REMOVE LARGE STONES AND TRASH
 REMOVE LARGE STONES AND TRASH
 LOAM, FERTILIZER, SEED AND MULCH ARE TO BE APPLIED TO ALL SLOPES AS SOON AS POSSIBLE
 AFTER EXCANDIATION. OTHER AREAS TO BE SEEDED BETWEEN APRIL 15 AND OCTOBER 15. THE
 FOLLOWING APPLYA THORSE JOAM

 I. APPLY 4 INCHES JOAM
 II. APPLY LINE AND FERTILIZER AS A MINIMUM APPLY THE FOLLOWING AMOUNTS PER 1000
 SE

 - SEED— USE USDA SOIL CONSERVATION SERVICE "B" MIXTURE, TO BE SPREAD UNIFORMLY RY

CREEPING RED FESCUE0.25 LBS/1000 SF
CROWN VETCH 0.35 LBS/ 1000 SF
RYE GRASS (PERENNIAL) 0.11 LBS/ 1000 SF

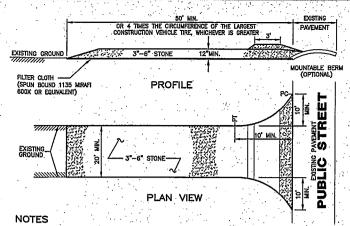
MULCH- 70-90 LBS / 1000 SF OF PAPER MACHE BY MACHINE METHOD ANCHOR TO SLOPES USING SYNTHETIC EMULSIONS, ON SLOPES FLATTER THAN 2:1, HAY OR STRAW MAY BE USED AT THE RATE OF 70-90 LBS/1000 SF.

ekinya kinda ani inamini mukani di uni kata ya kinda di 4" LOAM (ITEM 641)

SEED (TIEM 644) (SEE LANDSCAPE SPECIFICATIONS)
-LIMESTIONE (TIEM 642)
FERTILIZER (TIEM 643.11)
MULCH (TIEM 645.111)

LOAM & SEED

NOT TO SCALE

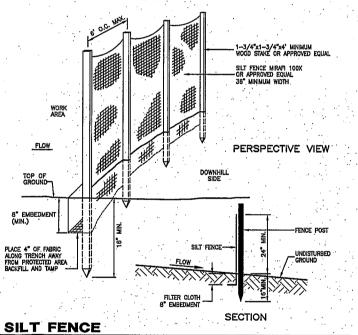


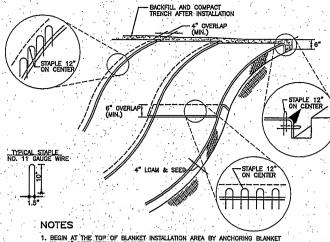
- 1. FILTER CLOTH WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE SURFACE.
- 2. WATER ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- 4. WASHING -- WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY, WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT THEOPHYSIO DEVOCE.
- 5. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL, BE PROVIDED AFTER EACH RAIN STORM EVENT.

USDA - SCS STABILIZED **CONSTRUCTION ENTRANCE**

SEE PLAN FOR PROPOSED LOCATION

NOT TO SCALE



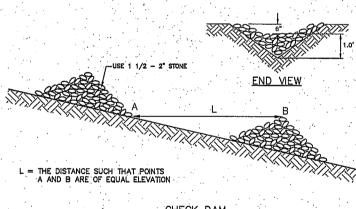


BEGIN AT THE TOP OF BLANKET INSTALLATION AREA BY ANCHORING BLANKET IN A 6" DEEP TRENCH, BACKFILL AND COMPACT TRENCH AFTER STAPLING.

- 2. ROLL THE BLANKET DOWN THE SWALE IN THE DIRECTION OF THE WATER FLOW.
- 3. THE EDGES OF BLANKETS MUST BE STAPLED WITH APPROX. 4 INCH OVERLAP WHERE 2 OR MORE STRIP WIDTHS ARE REQUIRED.
- 5. BLANKET SHALL BE NORTH AMERICAN GREEN SC-150 OR APPROVED FOUAL

BLANKET SLOPE PROTECTION

FOR EROSION CONTROL



CHECK DAM

STONE CHECK DAM

NOT TO SCALE

LAND USE OFFICE DEC 1 1 2012 RECEIVED

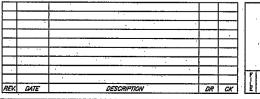
NOT TO SCALE

TAX MAP 210 LOT 57 DETAIL SHEET **GRAVEL EXCAVATION OPERATION** GREEN HILL ROAD, BARRINGTON, NH

> OWNED BY TRINITY CONSERVATION, LLC

PREPARED FOR TRINITY CONSERVATION, LLC

SCALE: AS NOTED **SEPTEMBER 20, 2012**



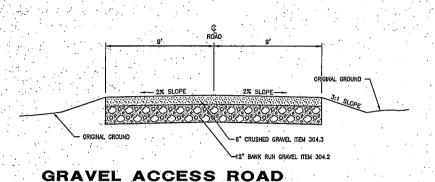


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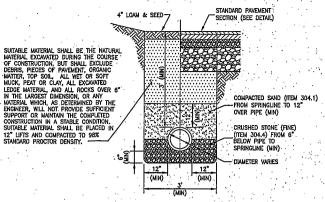
Bedford, NH 03110

47052,00 DR MC FB - CK JK CADFILE 47052-00 Details

SHEET 10 OF 12

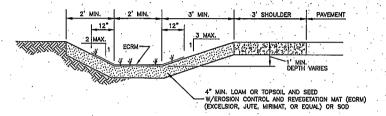


NOT TO SCALE



STORM DRAIN TRENCH

NOT TO SCALE

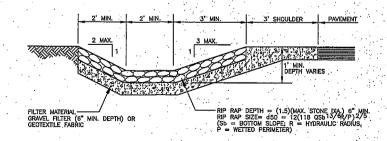


GRASS LINED SWALE

FOR USE WHERE VELOCITIES ARE 3 CFS OR LESS

NOT TO SCALE

	RIPRAP GRADATION						GRAVEL I	FILTER		
• •		% FINER BY WEIGHT						GRADATION		
	STONE SIZE	D 50 = 6"	D50 = 9"	D 50 = 12	D50 = 18"	D 50 = 24"		% PASSING	١.	
	2"	0-15%	0%		-		SIEVE SIZE	BY WEIGHT		
	4"	20-35%	10-20%	0-10%	. —		312"	100	ľ	
	6"	35-50%	25-35%	10~25%	0-10%	_	3"	85-100	ı	
	8"	50-65%	30-50%	20-30%	10-20%	0-10%	12	60-90	١,	
	10"	60-80%	40~60%	30-40%	15-30%	5-15%	3	40-70	ı	
	12"	75-100%	. • -		-	_	- 3r	20-50	ŀ	
	15"	- 1	70-100%	45-60%	25-40%	20-30%	NO. 4	10-40	١.,	
	20"	1 - :	-	70-100%	40-60%	30-45%	NO. 200	0-8	Ġ	
	30"	-	_	- >	70-100%	50-70%				
	40	· _	_	_	:	70-100%	1			



RIP RAP SWALE

FOR USE WHERE VELOCITIES EXCEED 3 FPS

NOT TO SCALE

LAND USE OFFICE DEC 1 1 2012

RECEIVED

LAST 50 FEET OF DIVERSION NOT TO EXCEED 1% GRADE

OF SPREADER

FIRST STRIP OF ______
JUTE OR EXCELSIOR MATTING

LEVEL SPREADER

ISOMETRIC VIEW

(BELOW LEVEL LIP)

PRESSURE TREATED 2x6 EROSION STOP ALONG LENGTH OF LEVEL SPREADER LIP

CROSS SECTION

OVERLAP BOTH STRIPS OF JUTE OR EXCELSIOR MATTING OVER EROSION STOP A MIN. OF 6"

TAX MAP 210 LOT 57 **DETAIL SHEET GRAVEL EXCAVATION OPERATION** GREEN HILL ROAD, BARRINGTON, NH

OWNED BY TRINITY CONSERVATION, LLC

NOT TO SCALE

PREPARED FOR

TRINITY CONSERVATION, LLC SCALE: AS NOTED SEPTEMBER 20, 2012

Bedford, NH 03110 Phone (603) 472-4488 Fax (603) 472-9747

SHEET 11 OF 12

47052.00 DR MC FB - CK JK CADFILE 47052-00 Details

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