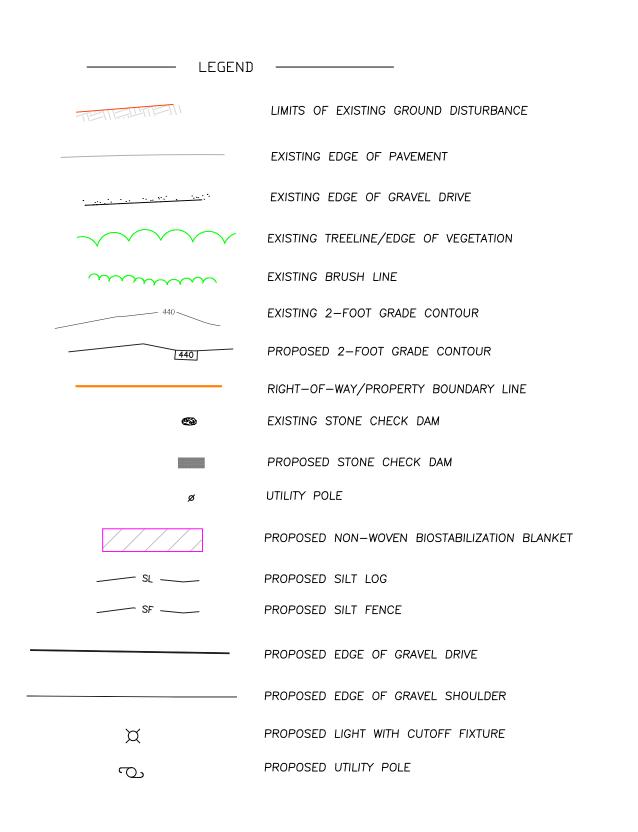






CIVIL 2



BUILDING NOTES:

- 1. BUILDING SHALL BE CONSTRUCTED IN COMPLINACE WITH THE NH STATE BUILDING CODE.
- 2. BUILDING DESIGN NOT INCLUDED IN SITE DESIGN PLANSET.

GENERAL UTILITY NOTES

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE LOCATION OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION PROCEDURE. THERE ARE OVERHEAD POWER TRANSMISSION LINES AND OTHER UTILITIES WITH ROADWAY CROSSING AND LINES IN THE IMMEDIATE VICINTY OF THE BRIDGE. THE CONTRACTOR IS ADVISED THAT EXTREME CAUTION WILL BE REQUIRED IN THE OPERATION OF EQUIPMENT, EXPECIALLY CRANES. CONTACT DIG—SAFE AT 1—888—DIG—SAFE.
- 2. ALL UTILITY INSTALLATIONS, INCLUDING THE LOCATION, SIZE, DEPTH, AND SPCIFICATION FOR CONSTRUCTION OF THE PROPOSED UTILITY SERVICES SHALL BE INSTALLED UNDER THE SUPERVISION OF AND COMPLYING WITH THE REQUIREMENTS OF THE RESPECTIVE UTILITY COMPANY (ELECTRIC, TELEPHONE, CABLE, ETC.)
- 3. DAMAGE TO ANY UTILITY BY THE CONTRACTOR SHALL BE REPORTED TO THE UTILITY COMPANY. REPAIR OF THE UTILITY SHALL BE PAID FOR BY THE CONTRACTOR.

GEOTECHNICAL NOTES:

- 1. GEOTECHNICAL TESTING WAS NOT COMPLETED PRIOR TO COMMENCING WORK ON THIS PROJECT.
- 2. VERIFICATION OF GEOTECHNICAL SOIL CONDITIONS SHALL BE COMPLETED PRIOR TO FOUNDATION AND WALL CONSTRUCTION..

2			
1	3-11-2021	ADDRESS PLANNING BOARD COMMENTS	EMD
NO.	DATE	DESCRIPTION	BY

GENERAL NOTES

- 1. THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK SHOWN ON THE DRAWINGS, UNLESS OTHERWISE NOTED. THE CONTRATOR SHALL PROVIDE AND INSTALL ALL MATERIALS REQUIRED TO COMPLETE PLANS.
- 2. CONTRACTOR IS RESPONSIBLE FOR REPORTING CONDITIONS IDENTIFIED ON—SITE THAT IMPACT THE PHASING, IMPLEMENTATION, FINAL CONDITIONS, AND/OR OVERALL CONSTRUCTION
- 3. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITES, MATERIALS STORAGE, AND EQUIPMENT STAGING AREAS WITH THE ENGINEER.

LANDSCAPING, OR STORMWATER TREATMENTSHALL BE FINISHED WITH 4" OF LOAM (NHDOT ITEM

- 4. NHDOT ITEM 692, MOBILIZATION, SHALL INCLUDE THE DESIGN, CONSTRUCTION,
- AINTENANCE, REMOVAL, AND RESTORATION OF THE SITE AREA FOR CONSTRUCTION.
 5. ALL DISTURBED AREAS WITHN PROJECT LIMITS NOT COVERED BY HARD SURFACES,
- 641) AND TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS (NHDOT ITEM 646.31).
 6. SITE SECURITY AND JOB SAFETY ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
 ALL CONSTRUCTION ACTIVITIES SHALL COMPLY WITH OSHA STANDARDS AND LOCAL
- REQUIREMENTS.

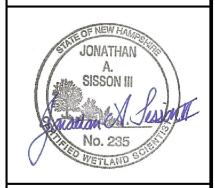
 7. THE CONTRACTOR SHALL PROVIDE SUBMITTALS (GRADATIONS, PROCTORS, PRODUCT DATA, ETC.) AS DIRECTED BY THE ENGINEER FOR ALL MATERIALS TO BE INCORPORATED INTO THE
- 8. THE ENGINEER SHALL HAVE FULL ACCESS TO THE SITE WHEN THE WORK IS IN PREPARATION AND PROGRESS. THEY MAY OBSERVE THE WORK ON A PERIODIC OR FULL—TIME
- 9. THE CONTRACTOR SHALL PROVIDE A DETAILED CONSTRUCTION SCHEDULE TO THE ENGINEER PRIOR TO CONSTRUCTION.
- 10. THE CONTRACTOR IS RESPONSIBLE FOR REPAIR TO ALL DAMAGES CAUSED DURING CONSTRUCTION.
- 11. THE CONTRACTOR IS RESPONSIBLE TO RESTORATION TO ALL DISTURBED AREAS OUTSIDE THE LIMITS OF WORK TO PRE—CONSTRUCTION CONDITIONS.
- 12. FINAL RESOLUTION TO CONFLICTS WITHIN THE SPECIFICATIONS OR ANY SUBSTITUTIONS SHALL BE DETERMINED BY THE ENGINEER.
- 13. THE CONTRACTOR SHALL NOT DISTURB ANY EXISTING PROPERTY CORNER, MONUMENT, SURVEY MARKER, OR BENCHMARK WITHOUT FIRST MAKING PROVISIONS FOR ITS REPLACEMENT OR RELOCATION.
- 14. ALL TESTING SHALL BE ORDERED BY THE ENGINEER AND COORDINATED BY THE CONTRACTOR IN ACCORDANCE WITH NHDOT, AASHTO, AND THE PROJECT SPECIFICATIONS. CONTRACTOR SHALL GIVE THE ENGINEER 48 HOURS ADVANCE NOTICE PRIOR TO PLACING MATERIALS REQUIRING TESTING.
- 15. CONCRETE AND SOIL TESTING IS TO BE PERFORMED BY A QUALIFIED PERSON OR FIRM APPROVED BY THE ENGINEER. TESTING COSTS ARE SUBSIDIARY AND SHALL BE INCLUDE IN THE CONTRACTORS COST.
- 16. DETERMINATION OF MAXIMUM DENSITIES FOR SAND AND GRAVELS ARE THE RESPONSIBILITY OF THE CONTRACTOR. PROCTOR TESTS ORDERED BY THE ENGINEERE SHALL BE SAMPLED AND PERFORMED BY AN INDEPENDENT TESTING LABORATORY AND PAID FOR BY THE CONTRACTOR. INCLUDE ALL COSTS IN PROPOSAL.
- 17. BUILDING AND SITE LAYOUT ARE SUBSIDIARY AND ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- 18. BASE PLAN INFORMATION BASED ON DATA COLLECTED BY DIBERNARDO ASSOCIATES, LLC, JOSEPH DIBERNARDO, LLS, IN NOVEMBER 2020.

 19. SITE HAS NOT BEEN DELINEATED FOR WETLANDS.
- 20. WELL TYPE OR ACTUAL PRESENCE ON EXISTING LOADING DOCK SHALL BE VERIFIED BY CONTRACTOR PRIOR TO COMMENCING EXCAVATION.
- 21. OUTDOOR LIGHTING SHALL BE REPLACED IN-KIND WITH DARK SKY LIGHTS, AS CERTIFIED BY THE INTERNATIONAL DARK SKY FOUNDATION. UP TO THREE LIGHTS ON POLES NO GREATER THAN FIFTEEN FEET IN HEIGHT IN LOCATIONS AS SHOWN ON THE SITE PLAN.

CONSTRUCTION SEQUENCE NOTES:

- 1. INSTALL SEDIMENT AND EROSION CONTROL FACILITIES. ALL PERIMETER CONTROLS SHALL BE INSTALLED PRIOR TO EARTH MOVING OPERATIONS.
- 2. ALL SEDIMENT AND EROSION CONTROL SHALL BE IN ACCORDANCE WITH NEW HAMPSHRE DEPARTMENT OF ENVIRONMENTAL SERVICES BEST MANAGEMENT PRACTICES.
- 3. INSPECT SITE REGULARLY TO ENSURE PROPER FUNCTION OF SEDIMENT AND EROSION CONTROLS. SITE SHALL BE INSPECTED WEEKLY, AT A MINIMUM, AND ALSO AFTER/DURING SEVERE STORM EVENT(S), AFTER/DURING ANY RAINFALL THAT EXCEEDS 1/2 INCH IN 24 HOURS.
- 4. FINAL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED
- DOWNGRADIENT FROM ALL IMPACTS.
 5. REMOVE EXISTING SILT FENCE.
- 6. REMOVE UNSUITABLE MATERIALS.
- REPLACE EXISTING CULVERTS.
- 8. INSTALL NEW DRIVEWAY. NO DISTURANCE OF EXISTING MATERIALS (I.E. EXCAVATION) SHALL OCCUR BETWEEN DRIVEWAY INTERSECTION WITH NH 12A AND THE PROPOSED ELLIPTICAL PIPE CULVERT.
- 9. SITE EXISTING BUILDING.
- 10. INSTALL NEW FOUNDATION.
- 11. CONSTRUCT BUILDING ACCORDING TO ARCHITECTURAL BUILDING DESIGN SPECIFICATIONS.
- 12. INSTALL PERMANENT STORM WATER RUNOFF STRUCTURES.
- 13. INSTALL NEW PARKING AND DRIVEWAY ACCESS AREA, INCLUDING NEW DRAINAGE STRUCTURES.
- 14. REMOVE TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES UPON SITE STABILIZATION.
- 15. CONTRACTOR IS RESPONSIBLE FOR LOCATION OF UTILITIES AND AVOIDING DAMAGE DURING CONSTRUCTION. DIGSAFE SHALL BE CONTACTED BY CONTRACTOR PRIOR TO COMMENCING EXCAVATION.

SURVEYOR:
Cardigan Mountain Lan
Survey, LLC
Scott Sanborn, L.L.S.
32 Peaslee Road
Orange, NH 03741
(603) 523-7535







ght Angle Engineering, PLLC Erin Darrow, P.E. 152 Main Street New London, NH 03257 (603) 526-2807 office (603) 443-7815 mobile (603) 523-8811 fax in@RightAngle.Engineering

> 61 LAND INVESTMENT, LLC 178 MERIDEN ROAD LEBANON, NH 03766

SE YARD AND SALT SHED/GAR/ AREA 361 NH ROUTE 12A TAX MAP 218, LOT 11 LAINFIELD, NEW HAMPSHIRE FEBRUARY 12, 2021

CIVIL 3

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE CONDITIONS OF THE PLAINFIELD, NH, BUILDING PERMIT, SITE PLAN REVIEW, AND ZONING PERMIT.

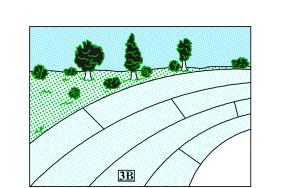
2. ALL WORK SHALL COMPLY WITH THE CONDITIONS OF THE WETLANDS PERMIT, AS APPLICABLE, ISSUED BY THE NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES.

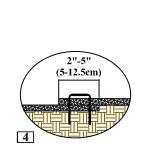
3. ALL WORK SHALL COMPLY WITH THE CONDITIONS OF THE DRIVEWAY ACCESS PERMIT, AS APPLICABLE, ISSUED BY THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION.

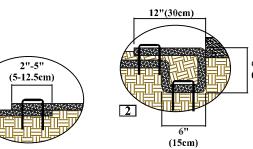
- 4. SITE SURVEY DATA COLLECTED BY SCOTT SANBORN, LLS, CARDIGAN MOUNTAIN LAND SURVEY, LLC, IN SEPTEMBER, OCTOBER, AND NOVEMBER OF 2020.
- 5. ELEVATIONS ARE BASED ON NAD 88 VERTICAL DATUM.
- 6. SURVEY IS TIED INTO NH STATE PLAN COORDINATE SYSTEM GRID NORTH.
- 7. ALL WETLANDS WERE DELINEATED IN ACCORDANCE WITH THE ARMY CORPS OF ENGINEERS METHOD FOR THE DELINEATION OF WETLANDS, JANUARY 1987, BY BEAVER TRACKS LLC, JONATHAN SISSON, C.S.S.,
- C.W.S., IN JULY 2019.

 8. NHDES BEST MANAGEMENT PRACTICES TO BE IMPLEMENTED DURING CONSTRUCTION. ALL WORK SHALL COMPLY WITH THE STORM WATER POLLUTION PREVENTION PLAN ACCORDING TO STANDARDS ESTABLISHED BY
- THE ENVIRONMENTAL PROTECTION AGENCY (EPA).

 9. CONTRACTOR SHALL USE SEDIMENT AND EROSION CONTROL AT A MINIMUM AT THE LOCATIONS SHOWN ON THE PLAN, ACCORDING TO NHDES BEST MANAGEMENT PRACTICES. SEDIMENT AND EROSION CONTROL OPTIONS ARE SHOWN IN THE CONSTRUCTION DETAILS.
- 10. CONTRACTOR IS RESPONSIBLE FOR LOCATION OF ALL BURIED UTILITIES. CONTACT DIG SAFE PRIOR TO COMMENCING ANY EXCAVATION.







SLOPE

INSTALLATION

DETAIL

Prepare soil before installing rolled

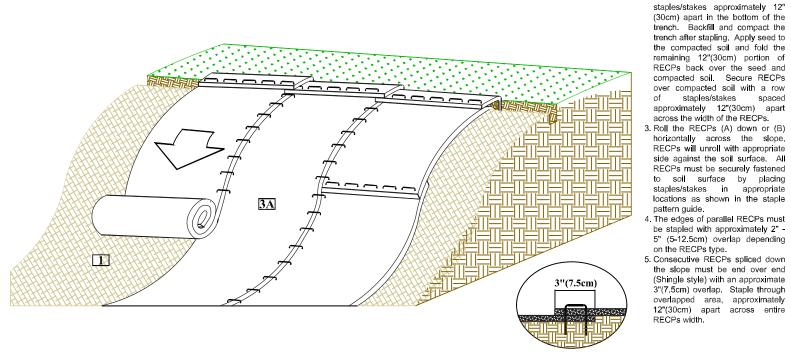
erosion control products (RECPs), including any necessary application of lime, fertilizer, and seed.

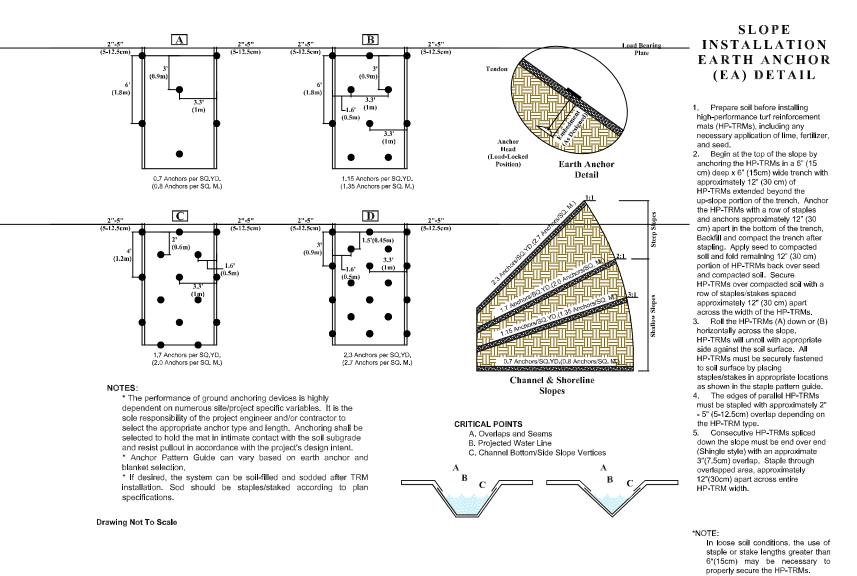
2. Begin at the top of the slope by

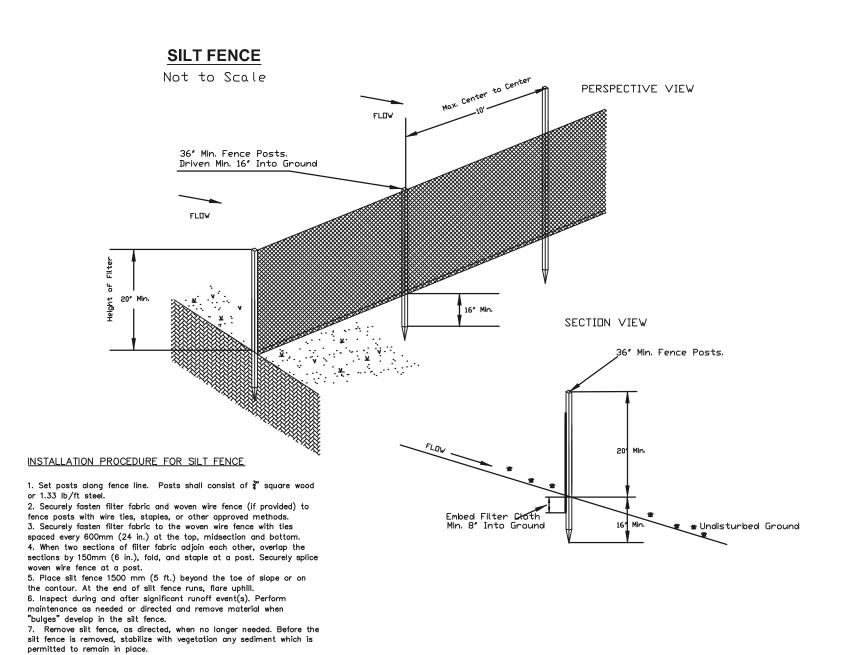
anchoring the RECPs in a 6"(15cm) deep X 6"(15cm) wide

trench with approximately 12 (30cm) of RECPs extended beyond

the up-slope portion of the trench. Anchor the RECPs with a row of







VEGETATIVE MEASURES

TOPSOIL STOCKPILING: TOPSOIL SHALL BE STRIPPED AND STOCKPILED FOR LATER USE ON CRITICAL AREAS AND ALL OTHER AREAS TO BE SEEDED. THE STOCK PILE WILL NOT BE COMPACTED AND SHALL BE STABILIZED AGAINST EROSION WITH TEMPORARY SEEDING.

TEMPORARY SEEDING:

A) BEDDING: REMOVE STONES AND TRASH THAT WILL INTERFERE WITH SEEDING THE AREA. WHERE FEASIBLE, TILL THE SOIL TO A DEPTH OF ABOUT THREE INCHES TO PREPARE SEED BED AND MIX THE FERTILIZER INTO THE

B) FERTILIZER: FERTILIZER SHOULD BE UNIFORMLY SPREAD OVER THE AREA PRIOR TO BEING TILLED INTO THE SOIL. A 10-10-10 MIX OF FERTILIZER SHOULD BE APPLIED AT A RATE OF 300 POUNDS PER ACRE (OR 7 POUNDS PER 1,000 S.F.)

C) SEED MIXTURE: USE ANY OF THE FOLLOWING:

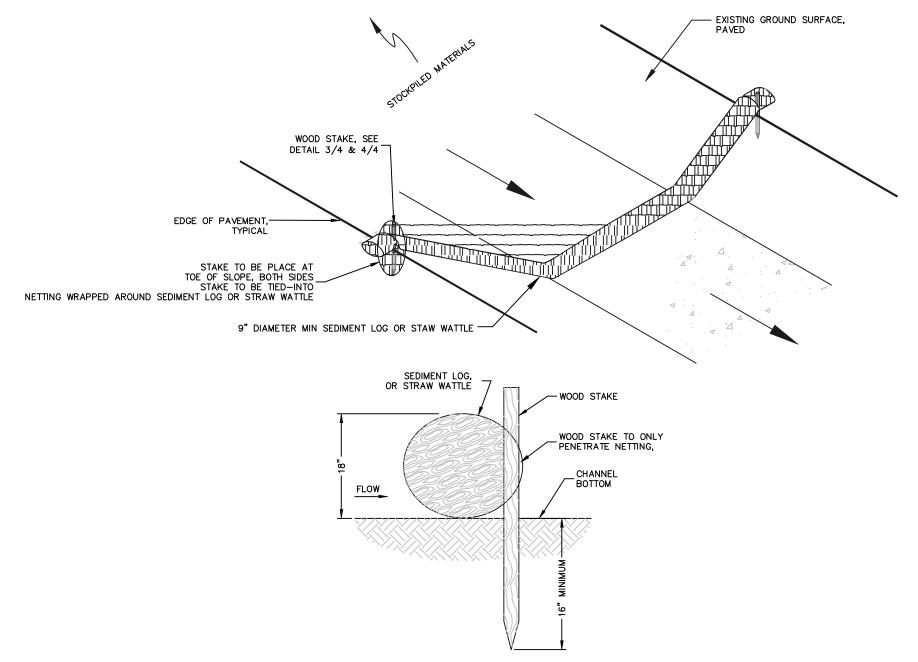
SPECIES	PER ACRE	PER 1000 S.F.	DATES
WINTER RYE	112 LBS.	2.6 LBS.	8/15 - 10/1 (FALL)
OATS	80 LBS.	2.0 LBS.	4/1 - 7/1 ; 8/15 - 9/15
RYEGRASS (ANNUAL)	40 LBS.	1.0 LBS.	4/1 - 6/1
RYEGRASS (PERENIAL)	30 LBS.	0.7 LBS.	4/1 - 6/1 ; 8/15 - 9/15

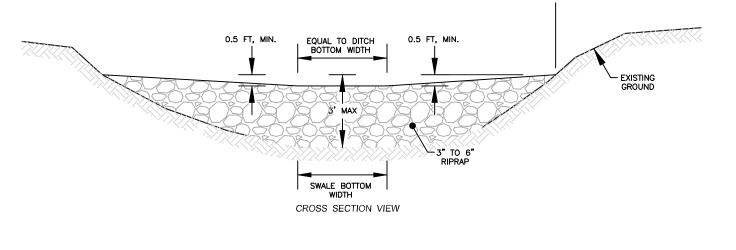
D) MULCHING: MULCH SHALL BE USED ON HIGHLY ERODABLE SOIL, ON CRITICALLY ERODING AREAS, AND ON AREAS WHERE CONSERVATION OF MOISTURE WILL FACILITATE PLANT ESTABLISHMENT.

TYPE	RATE PER 1,000 S.F.	USE AND COMMENTS
HAY OR STRAW	70 TO 90 LBS.	MUST BE DRY AND FREE
		OF MOLD. MAY BE USED
		WITH PLANTINGS.
WOOD CHIPS OR	160 TO 920 LBS.	USED MOSTLY WITH TREES
BARK MULCH		AND SHRUBS PLANTINGS
JUTE AND FIBROUS	AS PER MANUFACTURERS	USED IN SCOPE AREAS.
MATTING	SPECIFICATIONS	WATER COURSED AND
		OTHER AREAS.
CRUSHED STONE	SPREAD MORE THAN	EFFECTIVE IN CONTROLLIN
½" TO 1½ DIA.	½" THICK	WIND AND WATER EROSION

SEDIMENT LOG BARRIER

NOT-TO-SCALE



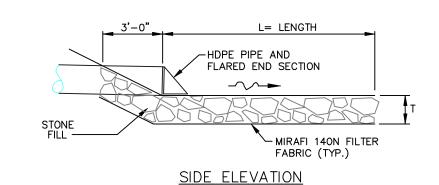


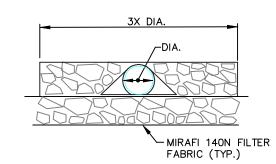
ROCK CHECK DAM NOT-TO-SCALE

1. FOR SEDIMENT CONTROL THE MAXIMUM HEIGHT OF THE ROCK CHECK DAM IS 3 FEET. HOWEVER, ROCK CHECK DAMS CAN BE CONSTRUCTED IN SMALLER DITCHES. THE CENTER OF THE ROCK CHECK DAM SHALL BE 0'-6" LOWER THAN THE OUTER EDGES AS

 ROCK CHECK DAMS SHALL BE INSTALLED STARTING AT TOP OF NEW DITCH AND AT 50-FOOT INTERVALS THEREAFTER AS SHOWN ON SITE PLAN. 3. THE CENTER OF ROCK CHECK DAMS CONSTRUCTED IN PROJECT CONSTRUCTED "VEE" SHAPED OR EXISTING "VEE" SHAPED DITCHES SHALL BE 0'-6" LOWER THAN AND SLOPED TO THE OUTER TOP EDGES OF THE DITCH SO HIGH FLOWS GO OVER THE TOP OF THE DAM AND NOT AROUND THE EDGES.

4. ROCK CHECK DAMS SHALL BE REMOVED AFTER THE FIRST GROWING SEASON.





PIPE END ELEVATION

STONE PAD PIPE OUTLET DETAIL NOT TO SCALE

REPAIRS OR JOINING TOW PIECES OF FABRIC SHALL BE A MINIMUM OF 12 INCHES.

N<u>OTE:</u> CLASS A. B AND C STONE FILL SHALL CONSIST OF HARD, BLASTED ANGULAR ROCK REASONABLY WELL GRADED FROM SMALLEST TO MAXIMUM SIZE STONE SO AS TO FORM A COMPACT MASS WHEN IN PLACE.

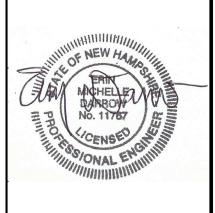
CONSTRUCTION SPECIFICATIONS

1. THE SUBGRADE FOR THE FILTER MATERIAL, GEOTEXTILE FABRIC, AND STONE FILL SHALL BE PREPARED THE THE LINES AND GRADES SHOWN ON THE PLANS.

2. THE ROCK USED FOR THE STONE FILL SHALL CONFORM TO NHDOT CLASS C, OR 6" RIP RAP. 3. GEOTEXTILE FABRICS SHALL BE PROTECTED FROM PUNCTURE OR TEARING DURING THE PLACEMENT OF THE ROCK STONE FILL. DAMAGED AREAS IN THE FABRIC SHALL BE REPAIRED BY PLACING A PIECE OF FABRIC OVER THE DAMAGED AREA OR BY COMPLETE REPLACEMENT OF THE FABRIC. ALL OVERLAPS REQUIRED FOR

4 STONE FOR THE STONE FILL MAY BE PLACED BY EQUIPMENT AND SHALL BE CONSTRUCTED TO THE FULL THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO PREVENT SEGREGATION OF THE STONE SIZES.





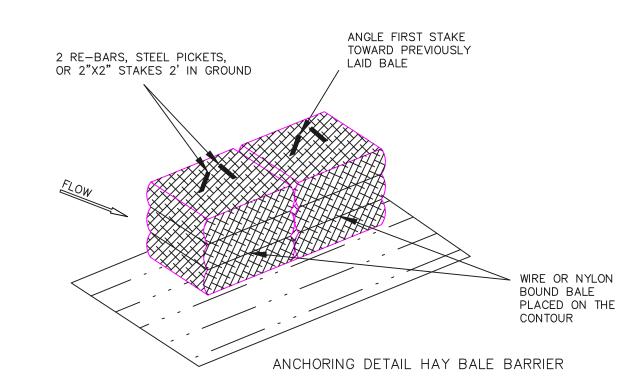
FION DETAILS SALT SHED/GA

CIVIL 4

STRAW BALE

4" VERTICAL FACE

EMBEDDING DETAIL



INSTALLATION PROCEDURE FOR HAY BALES

NO.

DATE

1. Place bales 5 feet beyond the toe of slope or on the contour and in a row with ends tightly abutting the adjacent bales, with no gaps, wedge loose bale material between bales.

2. Place bales with bindings horizontal and securely anchor in place by driving two stakes through the bale.

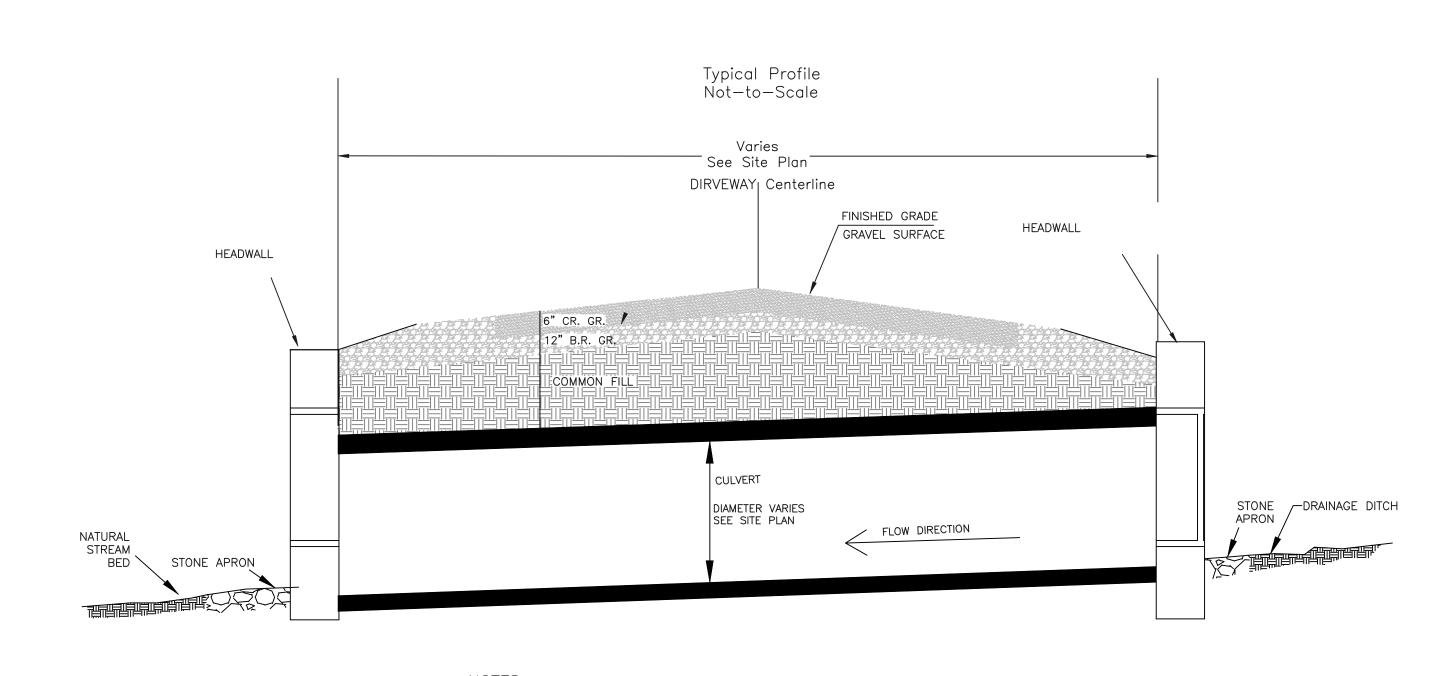
3. During and after runoff event(s) inspect hay bales frequently and repair/replace promptly as needed or as directed. Remove sediment when accumulation reaches one half the bale height or as directed.

4. Remove bales, as directed, when they are no longer needed. Before bales are removed, stabilize with vegetation any sediment which is permitted to remain in place. When bales are removed, fill trench with suitable earth material and stabilize with vegetation.

|3-11-2021| ADDRESS PLANNING BOARD COMMENTS

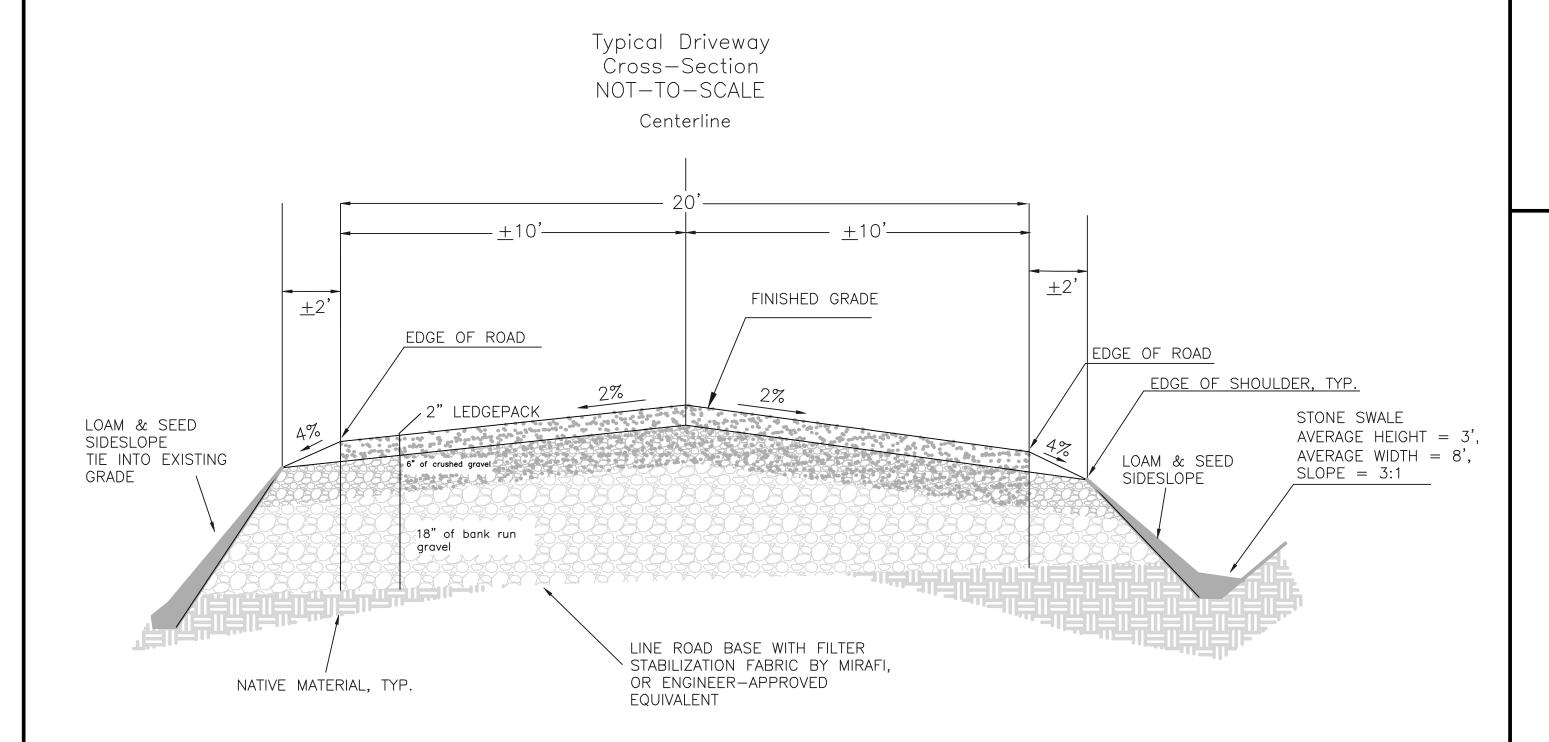
DESCRIPTION

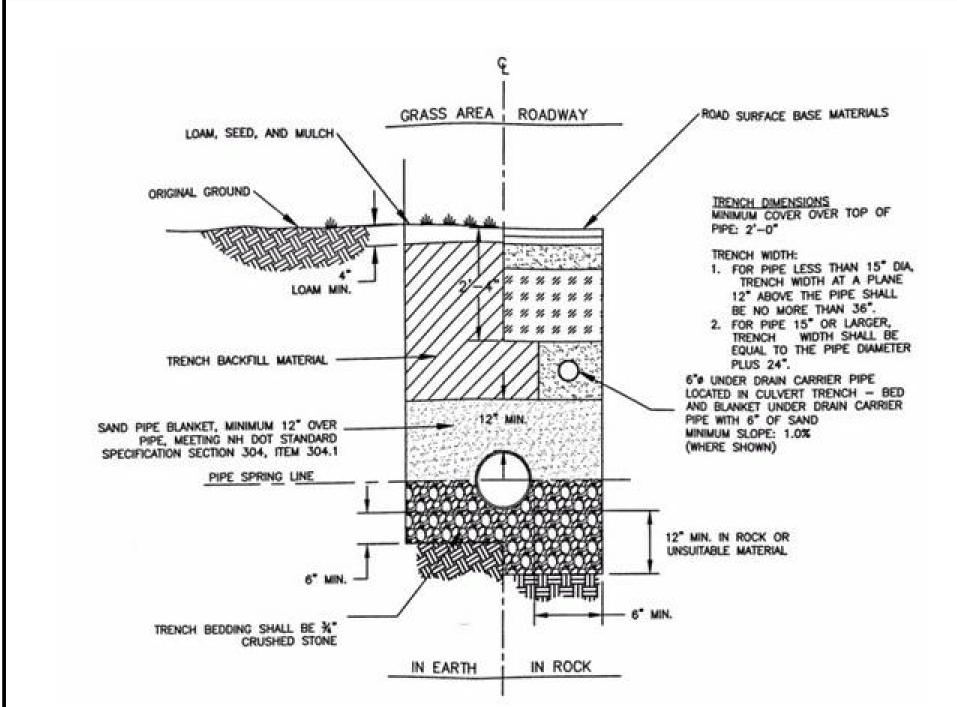
BY



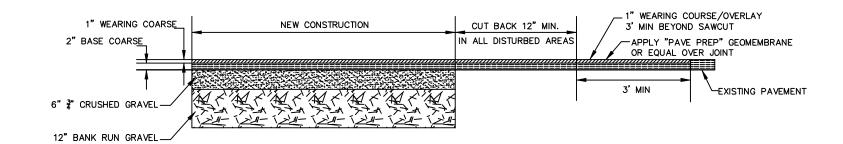
1. CULVERT SHALL BE INSTALLED PER MANUFACTURER SPECIFICATIONS AND DIRECTIONS.

- 2. TESTING RESULTS FOR ALL GRAVELS AND/OR STONE INSTALLED SHALL BE PROVIDED BY CONTRACTOR. THIS INCLUDES BOTH SIEVE ANALYSIS AND COMPACTION (I.E. 95% MODIFIED STANDARD PROCTOR DENSITY) STANDARDS BY A CERTIFIED TESTING AGENCY.
- 3. CULVERT SHALL BE CAPABLE OF WITHSTANDING HS-25 LOADING CONDITIONS.
- 4. SITE LOCATION CHALL BE DEWATERED FOR DURATION OF
- CONSTRUCTION. 5. ALL CONDITIONS OF THE NHDES DREDGE AND FILL PERMIT ARE THE
- RESPONSIBILITY OF THE CONTRACTOR.
- 6. ALL GRAVEL MATERIALS SHALL BE INSTALLED PER NEW HAMPSHIRE DEPARTMENT OF TRANSPORATION (NHDOT) CONSTRUCTION STANDARDS.

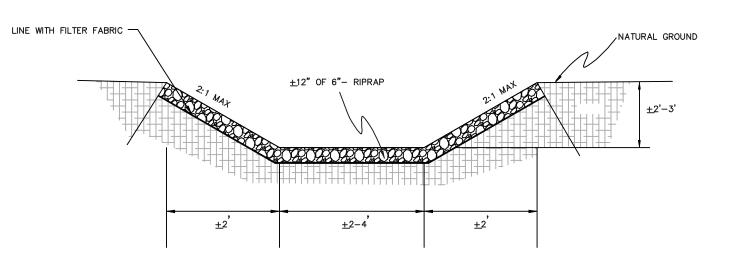




PAVEMENT SAWCUT AND ROADWAY PATCH N.T.S.



STONE-LINED SWALE NOT-TO-SCALE

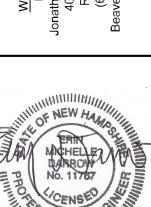


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FION DETAILS SALT SHED/GA CONSTRUGE YARD AN

CIVIL 5

