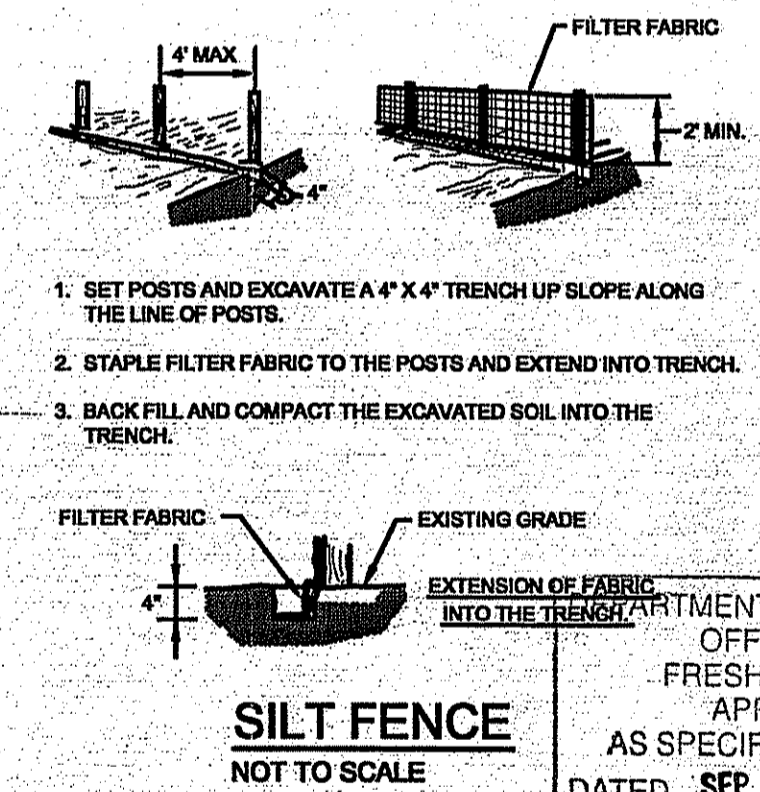
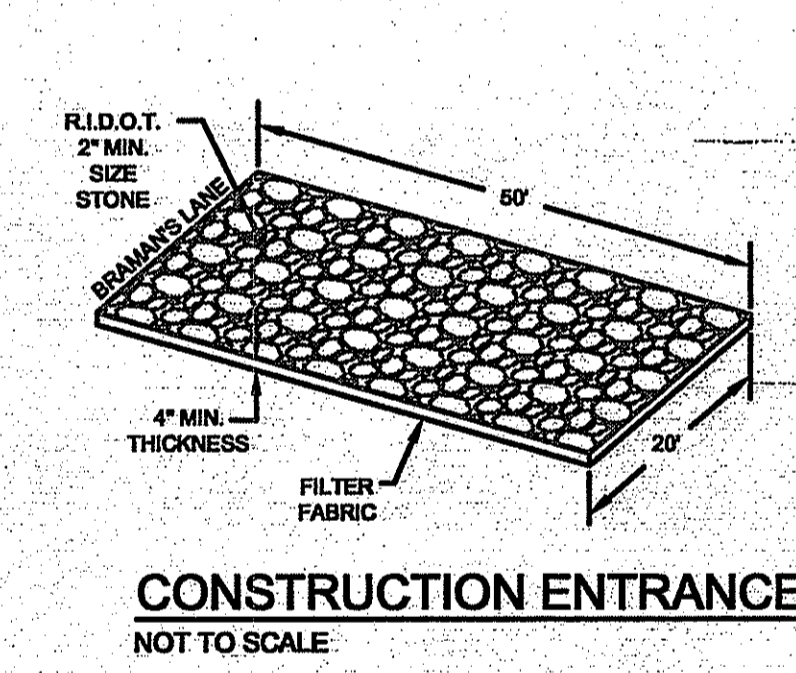


RAIN GARDEN NOTES:

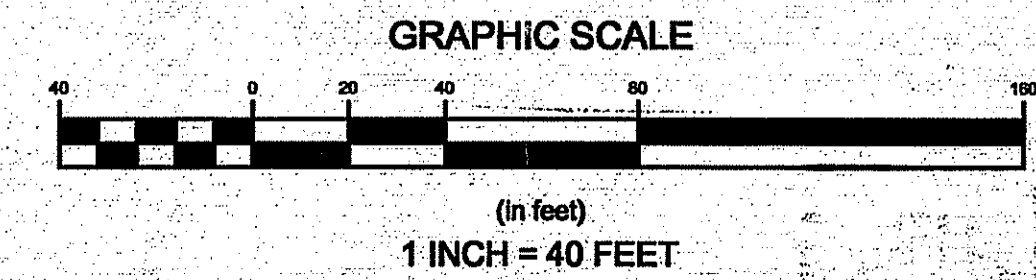
- BE SURE THAT THE SOIL WITHIN THE RAIN GARDEN AREA DOES NOT BECOME COMPACTED BY CONSTRUCTION ACTIVITIES (I.E. HEAVY MACHINERY). IF SOIL BECOMES SEVERELY COMPACTED IT MAY NEED TO BE TILLED AND AMENDED TO MAINTAIN PROPER DRAINAGE.
- RAIN GARDENS SHALL BE INSPECTED FOLLOWING AT LEAST THE FIRST TWO PRECIPITATION EVENTS OF AT LEAST 1.0 INCH TO ENSURE THAT THE SYSTEM IS FUNCTIONING PROPERLY. THEREAFTER THE RAIN GARDEN SHALL BE MONITORED AND MAINTAINED TO ASSURE PROPER FUNCTIONING, PLANT GROWTH AND SURVIVAL. PLANTS SHALL BE REPLACED ON AN AS-NEEDED BASIS DURING THE GROWING SEASON.
- SILT/SEDIMENT SHALL BE REMOVED FROM THE RAIN GARDEN WHEN THE ACCUMULATION EXCEEDS ONE INCH, OR WHEN WATER PONDS ON THE SURFACE OF THE RAIN GARDEN FOR MORE THAN 48 HOURS. THE TOP FEW INCHES OF MATERIAL SHALL BE REMOVED AND SHALL BE REPLACED WITH FRESH SOIL MIXTURE AND MULCH.
- PRUNING OR REPLACEMENT OF WOODY VEGETATION SHALL OCCUR WHEN DEAD OR DYING VEGETATION IS OBSERVED.
- SOIL EROSION GULLIES SHALL BE REPAIRED WHEN THEY OCCUR.
- FERTILIZER OR PESTICIDES SHALL NOT BE APPLIED TO PLANTS WITHIN RAIN GARDENS.
- PERENNIAL PLANTS AND GROUND COVERS SHALL BE REPLACED AS NECESSARY TO MAINTAIN AN ADEQUATE VEGETATED GROUND COVER. ANNUAL PLANTS MAY ALSO BE USED TO MAINTAIN GROUND COVER.



LEGEND

- PROPERTY LINE
- - - ABUTTER'S PROPERTY LINE
- - - EXISTING CONTOUR
- - - EXISTING WATER LINE
- X - X - EXISTING FENCE
- - - EXISTING STONEWALL
- - - EXISTING DRAIN LINE
- - - ZONING SETBACK
- - - PROPOSED WATER LINE
- - - PROPOSED CONTOUR
- - - WETLAND EDGE
- - - 50' PERIMETER WETLAND
- - - EXISTING CATCH BASIN
- - - EXISTING HYDRANT
- - - TEST PIPE
- - - BOUND
- - - WETLAND FLAG
- - - PROPOSED LIMIT OF DISTURBANCE
- S.F. - PROPOSED SILT FENCE & HAYBALE COMBINATION BARRIER

WATER QUALITY CALCULATIONS	
PARAMETER	VALUE
ROOF AREA	2,088 SF
WQV	174 CF
PROP. RAIN GARDEN DEPTH	8"
PROP. RAIN GARDEN VOLUME	188 CF



1	REMOVED LOT 2 PROPOSED CONDITIONS	8/21/14	
No.	Revision	Date	App.
Designed By:	JMG	Drawn by:	DW
Checked by:		Date:	JUL 2014
Scale:	1"=40'		
Project Title:	PAUL SUBDIVISION A.P. 64, LOT 158 SUBDIVISION LOT 1 BRAMANS LANE		
	DEPARTMENT OF ENVIRONMENTAL & PLANNING OFFICE OF WATER RESOURCES FRESHWATER WETLANDS PROGRAM APPROVED WITH CONDITIONS AS SPECIFIED IN THE PERMIT DATED SEP 18 2014 FILE # 14-0147 NO CHANGES ALLOWED WITHOUT PRIOR WRITTEN APPROVAL APPROVED PLANS MUST BE AT CONSTRUCTION		
	EDWIN PAUL REGISTERED PROFESSIONAL ENGINEER NEWPORT, RI		

Issued for:	Nancy L. Freeman RIDEWETLANDS
Drawing Title:	SESC PLAN AND WATER QUALITY CONTROL SUBDIVISION LOT 1
Aug 29 2014	

GERALD E. SMALL
No. 8550
REGISTERED PROFESSIONAL ENGINEER
CIVIL

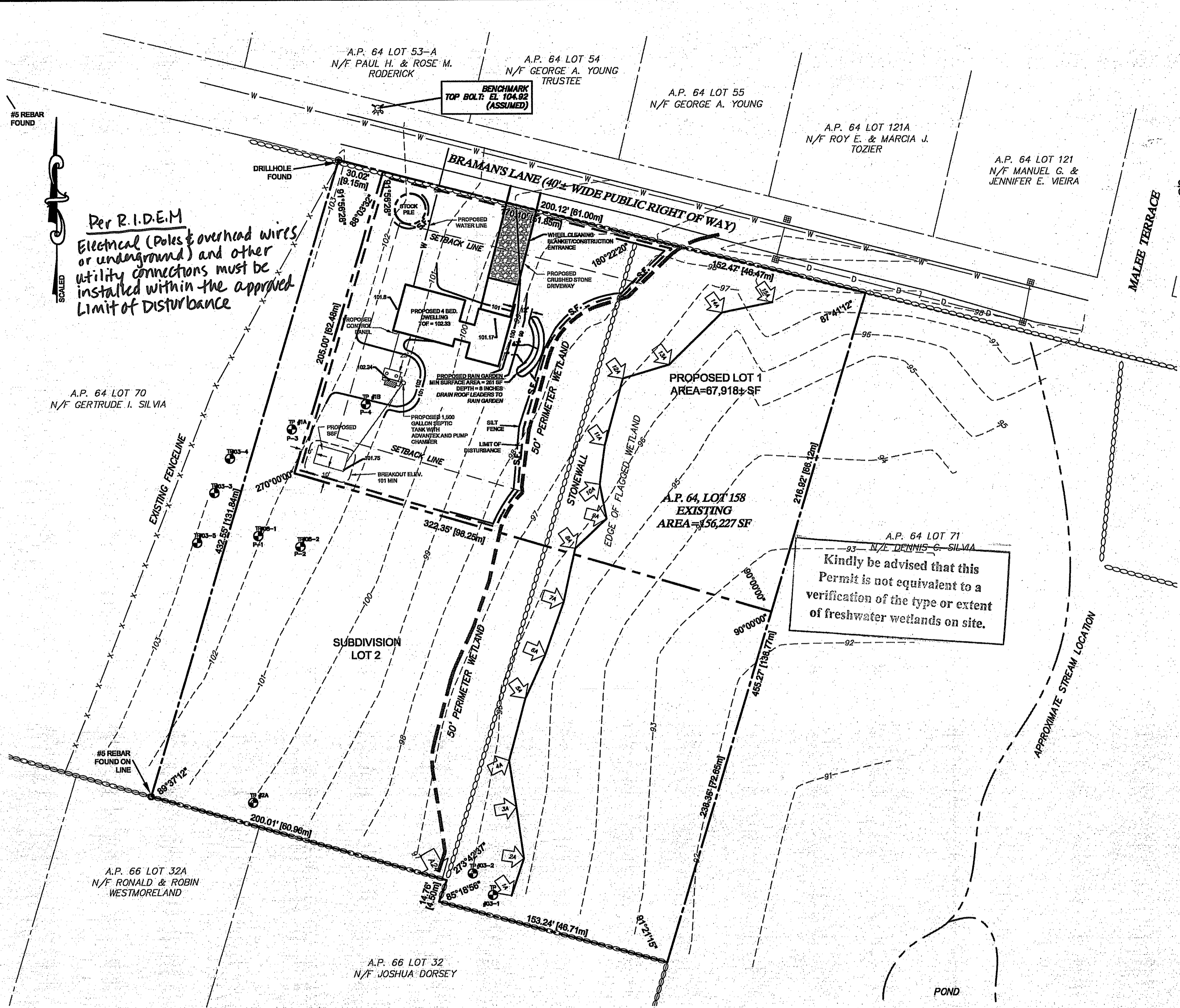
Drawing Number:
SESC-1

Sheet 1 of 1

Project Number:
13073.0

Survey Index:

OWNERSHIP AND USE OF DOCUMENTS: DRAWINGS AND SPECIFICATIONS, AS INSTRUMENTS OF PROFESSIONAL SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ENGINEER. THESE DOCUMENTS ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECTS OR PURPOSES, OR BY ANY OTHER PARTIES, THAN THOSE PROPERLY AUTHORIZED BY CONTRACT, WITHOUT THE EXPRESS AUTHORIZATION OF THE ENGINEER.



- GENERAL NOTES:**
- EXISTING CONDITIONS, PROPERTY LINE INFORMATION, AND NORTH ARROW WERE TAKEN FROM PLAN TITLED, "ADMINISTRATIVE SUBDIVISION, A.P. 64, LOTS 71 & 168", CLASS I SURVEY, PREPARED BY M.J. GASTON & ASSOCIATE, DATED MAY 18, 2008.
 - BASE OF ELEVATIONS IS ASSUMED.
 - WATER LINE LOCATION WAS SCALED FROM PLANS PROVIDED BY THE PORTSMOUTH WATER DEPARTMENT ON JUNE 8, 2008.
 - TEST HOLES #03-3, #03-4, AND #03-5 WERE PERFORMED ON LOT 70.
 - WETLAND EDGE DELINEATED BY KATHLEEN P. MANGAN, 8/5/2013.
 - ENTIRE SITE IS LOCATED WITHIN THE R-30 ZONING DISTRICT:
MIN. LOT SIZE: 50,000 SF;
MIN. YARD SETBACKS: FRONT 30', SIDE 20', REAR 30'
MIN. LOT FRONTAGE: 125'
- SOIL EROSION & SEDIMENT CONTROL PLANS:**
- I. CONSTRUCTION SEQUENCE:**
- DO NOT BEGIN CONSTRUCTION UNTIL ALL LOCAL, STATE, AND FEDERAL PERMITS HAVE BEEN APPLIED FOR AND RECEIVED.
 - ESTABLISH PROPERTY LIMITS.
 - INSTALL STONE CONSTRUCTION ENTRANCE.
 - INSTALL SILT FENCE AS DELINEATED ON PLAN.
 - COMMENCE ROUGH GRADING.
 - BEGIN CONSTRUCTION.
 - CONSTRUCT LANDSCAPE AREAS AND MAINTAIN THE SITE IN ACCORDANCE WITH THE MAINTENANCE NOTES.
- II. GENERAL NOTES:**
- DURING CONSTRUCTION AND THEREAFTER, EROSION CONTROL MEASURES ARE TO BE IMPLEMENTED AS NOTED. THE SMALLEST PRACTICAL AREA OF LAND SHOULD BE EXPOSED AT ANY ONE TIME DURING DEVELOPMENT, WHEN LAND IS EXPOSED DURING DEVELOPMENT, THE EXPOSURE SHOULD BE KEPT TO THE SHORTEST PRACTICAL PERIOD OF TIME.
 - ANY ROUGH GRADED AREAS DURING CONSTRUCTION SHALL BE STABILIZED WITHIN FOURTEEN DAYS IN ACCORDANCE WITH TEMPORARY MEASURES IN THE VEGETATIVE PRACTICE NOTES.
 - AREAS TO BE FILLED SHALL BE CLEARED, GRUBBED, AND STRIPPED OF TOP SOIL TO REMOVE VEGETATION, ROOTS, AND ANY OTHER OBJECTIONABLE MATERIAL.
 - ALL FILL SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT SUBSIDENCE, OR OTHER RELATED PROBLEMS.
 - FILL INTENDED TO SUPPORT BUILDING STRUCTURE AND CONDUITS, ETC., SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL CODES AND SPECIFICATIONS.
- III. VEGETATIVE PRACTICE:**
- SLOPES SHALL NOT BE STEEPER THAN 1 VERTICAL TO 3 HORIZONTAL UNLESS OTHERWISE SPECIFIED.
 - A MINIMUM OF 4 INCHES OF LOAM SHALL BE INSTALLED. THE LOAM SHALL BE GRADED TO A SMOOTH CONDITION AND STONES AND OTHER OBJECTS LARGER THAN 2 INCHES SHALL BE REMOVED.
 - LIMESTONE AND FERTILIZER SHALL BE APPLIED TO THE FOLLOWING RATE:
LIMESTONE: 9 TONS/ACRE
FERTILIZER: (10-10-10): 600 LBS/ACRE
 - SEED SHALL BE APPLIED AT THE FOLLOWING RATE:
WINTER RYE: 112 LBS/ACRE
 - HAY MULCH SHALL BE APPLIED AT THE RATE OF 1.5 TONS/ACRE.
- F. ALL FILL SHALL BE PLACED AND COMPACTED IN LAYERS NOT TO EXCEED 12" IN THICKNESS.**
- G. FILL MATERIAL SHALL BE FREE OF BRUSH, RUBBISH, ROCKS, LUGS, STUMPS, BUILDING DEBRIS, AND OTHER OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.**
- H. FROZEN, SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIAL SHALL NOT BE INCORPORATED INTO FILLS.**
- I. FILL SHALL NOT BE PLACED ON A FROZEN FOUNDATION SUBGRADE**
- J. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.**
- K. ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 14 DAYS OF FINISH GRADING IN ACCORDANCE WITH THE VEGETATIVE PRACTICE NOTES.**
- L. REMOVE TEMPORARY EROSION CONTROL MEASURES ONCE UPSTREAM AREAS HAVE BEEN PERMANENTLY STABILIZED.**
- M. HAYBALES ARE TO BE PLACED AT CONSTRUCTION ENTRANCE DURING NON-WORKING HOURS.**

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

Per R.I.D.E.M.
Electrical (Poles & overhead wires or underground) and other utility connections must be installed within the approved Limit of Disturbance