

## Amendment to Approved Project City of Rochester, New Hampshire

Case # 259-56 & 38-A-05 Property Address 119 Flagg Road
Type of project: Site Plan; Subdivision × ; Lot Line Adjustment; Other
Project nameTrinity Conservation, LLC - Phase 2 - Matildas Way
Date of original Planning Board approval June 19, 2006
Description of amendment The proposed amendment is to change the proposed stormwater management systems for
the 2nd phase of the Subdivision, known as Mitildas Way. The proposed changes to the stormwater management system is to bring
the subdivision in compliant with the City of Rochester Stormwater Regulations and the NHDES Alteration of Terrain requirements. The
proposed changes are located within the open space and would not have any impacts to the number or configuration of the proposed lots.
Would this affect a wetland or wetland buffer or require a conditional use? Yes No _x
Name of applicant or agent filling out this form Norway Plains Associates, Inc.
Mailing Address: PO Box 249, Rochester NH 03866-0249
Phone Number: 603 335-3948 Email Address: slawler@norwayplains.com
Please check box: Applicant  Agent
<u>Please note</u> : There is a \$125.00 fee for amendments. They are reviewed by the Planning Board and a public hearing is held. Abutters must be renotified by the applicant. The applicant must submit any supplementary materials necessary to explain and support the amendment, such as a narrative and plans. This form, the abutter's list, the fee when applicable, and other necessary materials must be submitted at least 17 days prior to the Planning Board meeting at which the amendment will be presented (by the Friday, 2-1/2 weeks prior to the meeting to allow for public notice).
Signature of person completing form:  Date: 1/26  Signature of property owner (if different):  Date: 1/3/70
\\roch-fileshare\plan\$\Forms\Applications\Application for Amendment.doc

prior to the meeting to allow for public notice).	
Signature of person completing form: Date:	1/6/20
Signature of property owner (if different):	1/3/70
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3/26/2019	

## NORWAY PLAINS ASSOCIATES, INC.

LAND SURVEYORS • SEPTIC SYSTEM DESIGNERS • CIVIL ENGINEERS

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Phone (603) 335-3948 / (800) 479-3948



P. O. Box 268 31 Mooney St. Alton, NH 03809 Phone & Fax (603) 875-3948 www.norwayplains.com

January 6, 2020

James Campbell, Director
Department of Planning and Development
Second Floor, City Hall
33 Wakefield Street
Rochester, NH 03867-1917



Re: Case #259-36 & 38-A-05, Request for Subdivision Amendment for 119 Flagg Road Development, LLC; formally known as Trinity Conservation, LLC

#### Dear Jim:

On behalf of 119 Flagg Road Development, LLC, please accept this application to modify the approved subdivision located on Flagg Road. This subdivision was approved on June 19, 2006 by the Rochester Planning Board under the name of Trinity Conservation, LLC for a Cluster Subdivision. More specifically, the proposed amendments are in the second phase of the overall subdivision known as Mitildas Way.

As we discussed at our meeting on August 2, 2019, one of the state permits for the overall subdivision has lapsed and would need to be reissued for construction of Phase II of this approved subdivision. The NHDES Alteration of Terrain which regulates the Stormwater Management of the development during and after construction.

The original subdivision was designed and approved by the City of Rochester and NHDES based on outdated regulations and requirements. In order to meet the current regulations, several changes to the approved drainage are necessary. This includes installation of infiltration basins, treatment swales and a gravel wetlands basin. This stormwater practices will improve the quality of the stormwater leaving as well as the total volume of the stormwater leaving the property after construction is completed. All of the proposed stormwater management systems will be constructed in the open spaces and will not impact the development on the individual lots. Furthermore, the amenities for the subdivision such as the walking trails and recreational areas are not impacted by the proposed stormwater management areas.

In order to accomplish the changes to the stormwater management system, the vertical alignment of the proposed roadway was modified slightly to direct the runoff to appropriate areas. It should be noted, that none of the proposed lots or the road right of way locations or dimensions have been changed as the result of the proposed stormwater management systems. Please find the attached amended plans for this phase of the subdivision.

# 119 Flagg Road Development - Request for Amendment for Mitildas Way Terrain Bureau on October 11, 2018. Please find the attached permit, #AoT-1506. consideration. Sincerely, NORWAY PLAINS ASSOCIATES, INC. Scott A. Lawler, P.E., Project Engineer Bill Goldstein; 119 Flagg Road Development, LLC

Page 2

It should be noted, that the developer is not requesting any other amendments to the approved subdivision plans or conditions of approval at this time. Essentially, the proposed subdivision amendments are to make the development compliant with the current regulations, both at the City level and the State level. An Alteration of Terrain permit was granted by the NHDES Alteration of

If you have any questions regarding the revisions made to this plan set, the design itself or any supplemental material submitted, please feel free to call or email me. Thank you for your



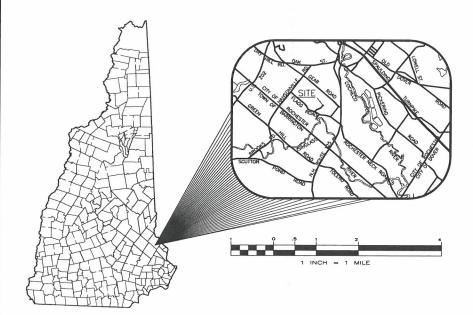
## MATILDAS WAY

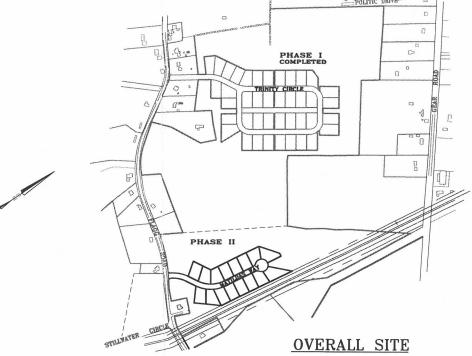
FLAGG ROAD, ROCHESTER, NH PREPARED FOR

119 FLAGG ROAD DEVELOPMENT, LLC.

MARCH 2018









CIVIL ENGINEERS

NORWAY PLAINS ASSOCIATES, INC. 2 CONTINENTAL BOULEVARD ROCHESTER, NEW HAMPSHIRE 03867 (603) 335-3948

CAREFULLY REVIEW ALL SHEETS OF THIS PACKAGE TO INSURE PROPER CONSTRUCTION. SPECIFIC SITE CONDITIONS SHOULD BE EXPLORED PRIOR TO CONSTRUCTION. CONTACT BOTH THE DESIGN ENGINEER AND THE PROJECT OWNER FOR ANY AVAILABLE GEOTECHNICAL OR HYDROGEOLOGICAL INFORMATION AVAILABLE BUT NOT CONTAINED WITH IN THE PLAN SET. IF THERE ARE ANY QUESTIONS WITH THE DESIGN PRESENTED IN THIS PLAN SET PLEASE CONTACT THE ENGINEERING STAFF AT NORWAY PLAINS

#### OWNER OF RECORD

TAX MAP 259, LOT 38-0 THRU 38-17 OWNER OF RECORD: 119 FLAGG ROAD DELEVOPMENT, LLC. 35 THIRD STREET DOVER, NH 03820 SCRD BOOK 3549, PAGE 545

#### **APPLICANT**

119 FLAGG ROAD DEVELOPMENT, LLC 35 THIRD STREET DOVER, NH 03820 (603) 742-5300

- ALTERATION OF TERRIAN PERMIT No. AcT 180410-53

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES):
NPDES PERMITS ARE ONLY REQUIRED FOR PROJECTS MEETING THE DISTURBED AREA CRITERIA BELOW <u>AND</u> HAVING A POINT SOURCE STORMWATER DISCHARGE FROM THE SITE TO AN ADJACENT WETLAND OR WATER BODY (I.E. CULYERT, SWALE, ETC. OUTLETING TO A WETLAND, CREEK, STREAM OR RIVER).

NPDES PERMITS CONSIST OF A NOTICE OF INTENT (NOI) FILED WITH THE ENVIRONMENTAL PROTECTION AGENCY AT LEAST 14 DAYS PRIOR TO CONSTRUCTION COMMENCING AND A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) BEING PREPARED, KEPT ON SITE AND FOLLOWED BY THE CONTRACTOR.

FOR STATUS OF THIS PERMIT, CONTACT THE PROJECT GENERAL CONTRACTOR.

FINAL APPROVAL BY ROCHESTER PLANNING BOARD

\_\_\_\_ DATE: \_\_\_\_

CERTIFIED BY:\_\_\_\_

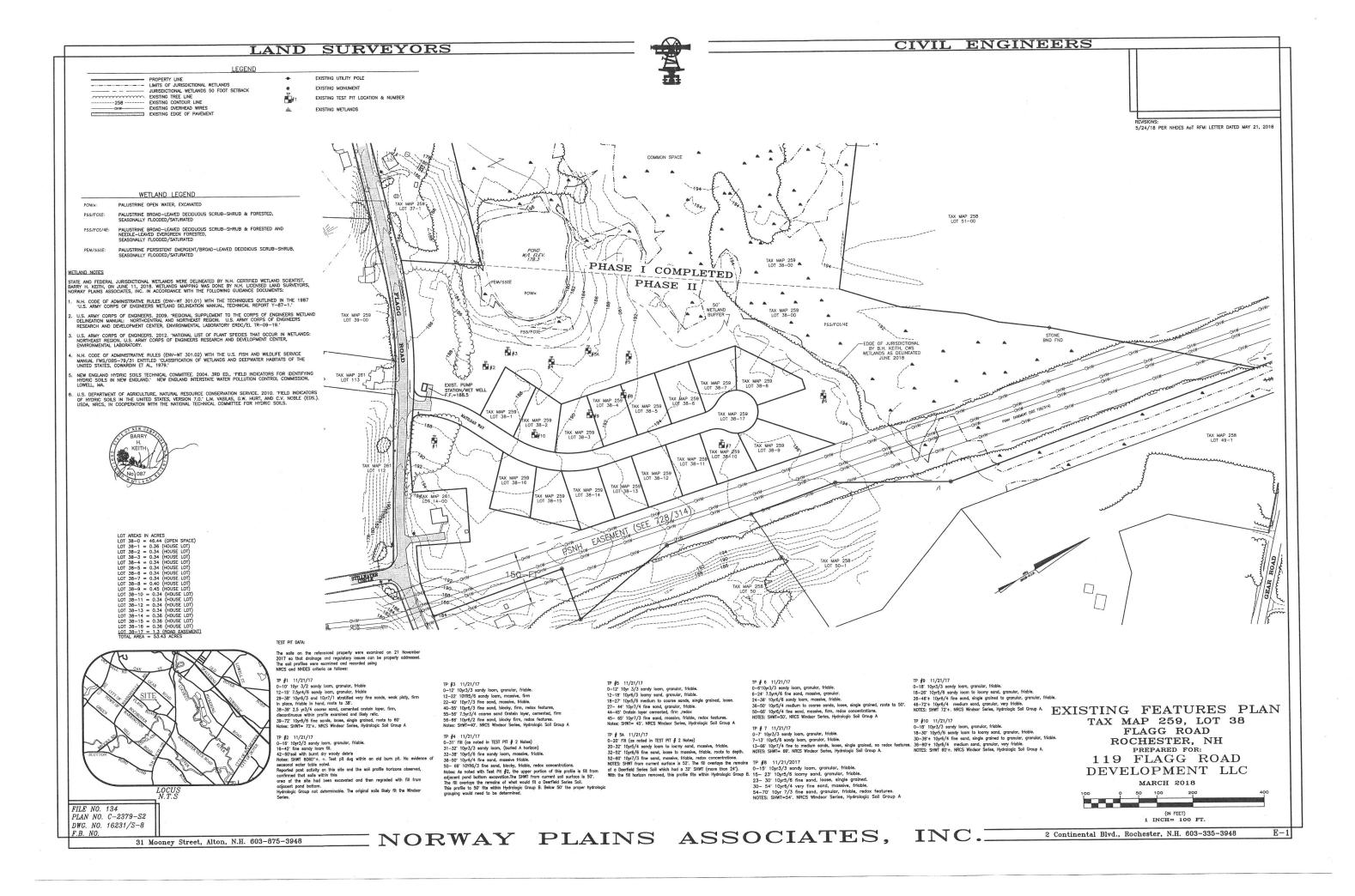
DIAMER CIRCLE	PHASE	TI TI	OVERALL SITE  1" = 400'	
			COVER SHEET INDEX	
	SHEET SHEET SHEET SHEET SHEET SHEET SHEET SHEET SHEET SHEET SHEET	C-2 C-3 C-4 C-5 C-6	EXISTING FEATURES EASEMENT PLAN ROAD LAYOUT PLAN AND PROFILE UTILITY PLAN AND PROFILE GRADING AND DRAINAGE PLAN EROSION AND SEDIMENTATION CONTROL PLAN ROADWAY DETAILS UTILITY DETAILS DRAINAGE DETAILS INFILTRATION BASIN AND TREATMENT SWALE DETAILS GRAVEL WETLANDS BASIN DETAILS TEMPORARY EROSION AND SEDIMENTATION CONTROL DETAILS	1" = 100' 1" = 100' 1" = 50' 1" = 50' 1" = 50' 1" = 50' AS SHOWN AS SHOWN AS SHOWN AS SHOWN AS SHOWN

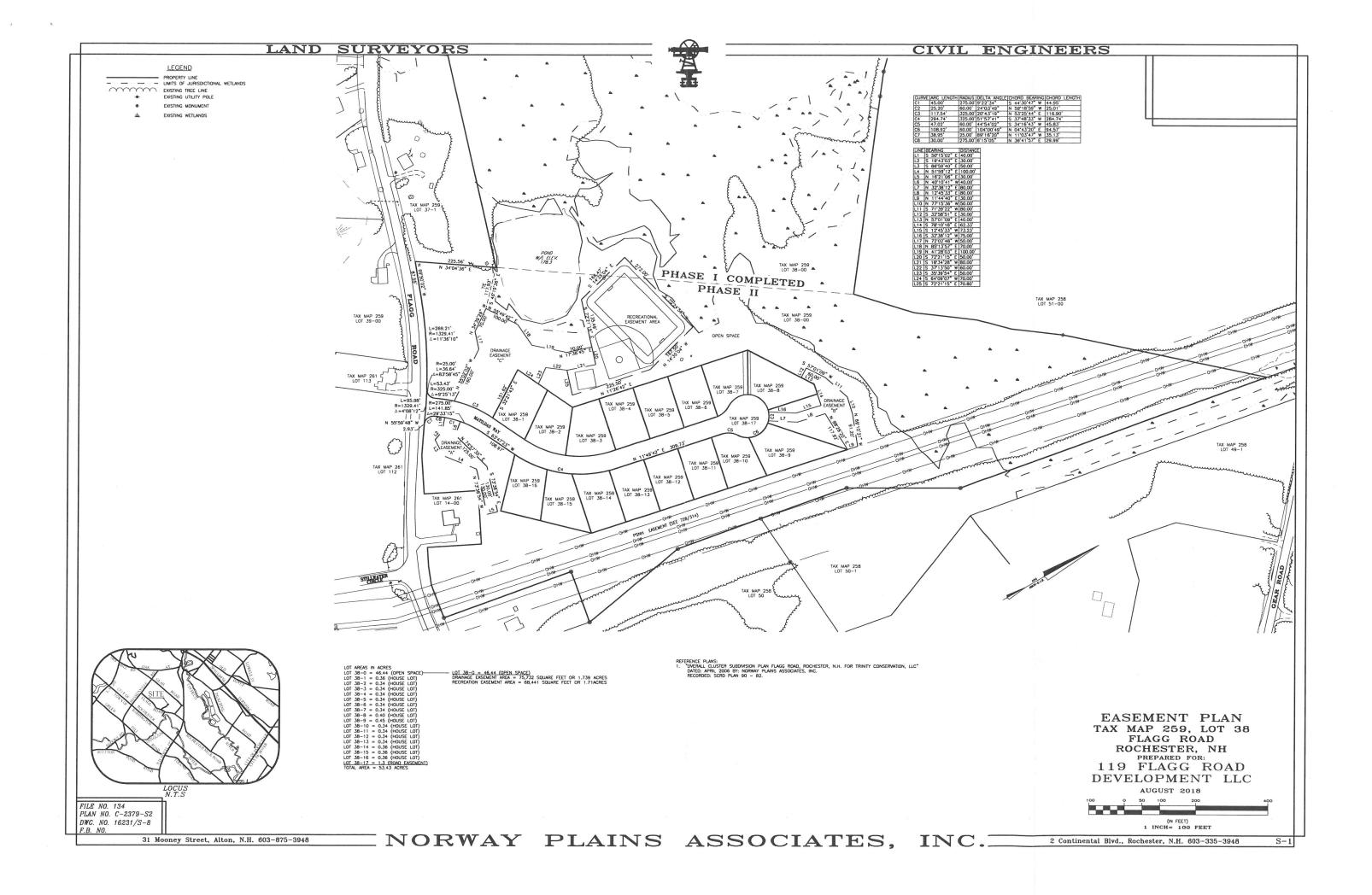
SHEET C-11 PERMANENT EROSION AND SEDIMENTATION CONTROL DETAILS

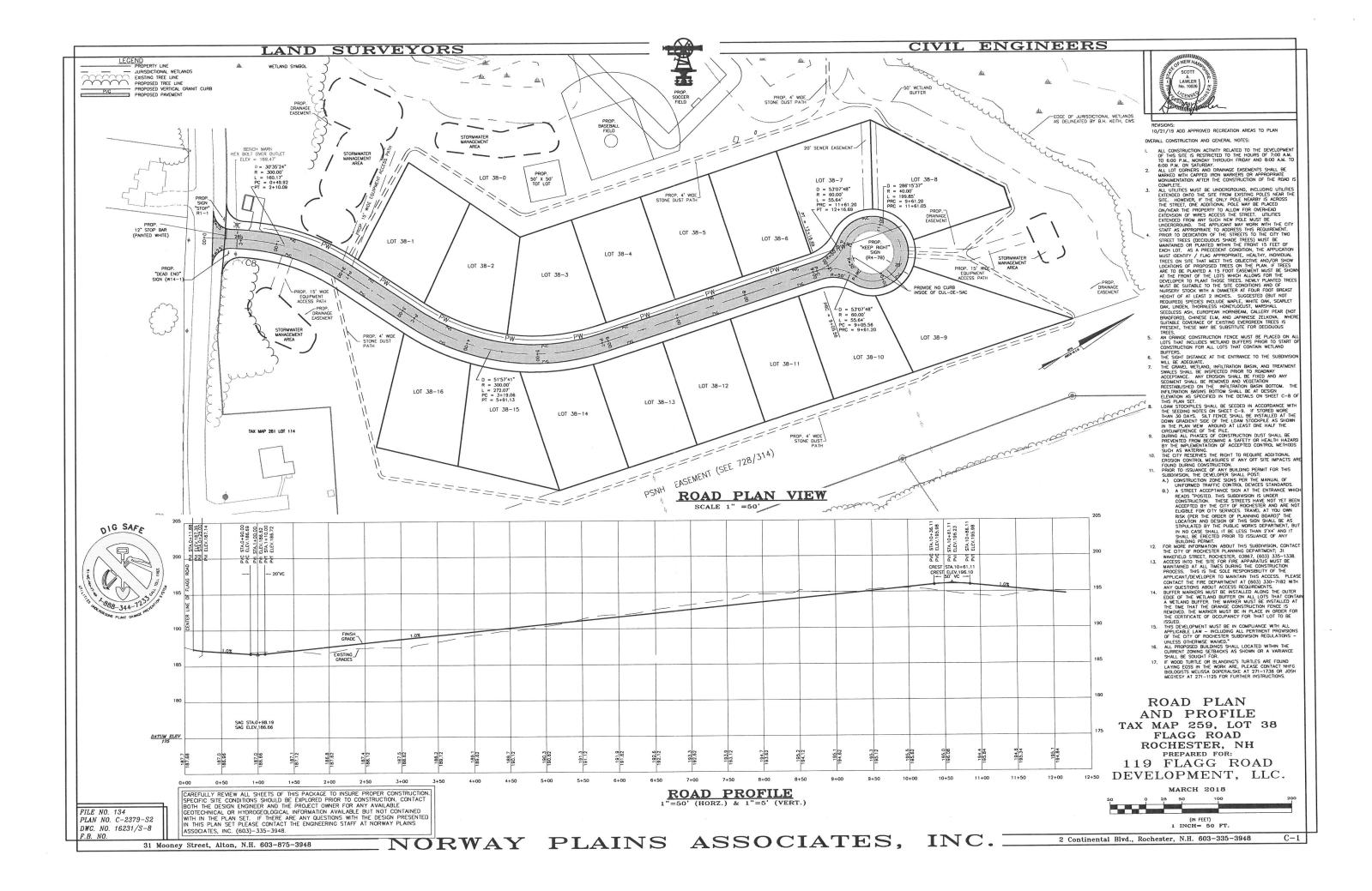
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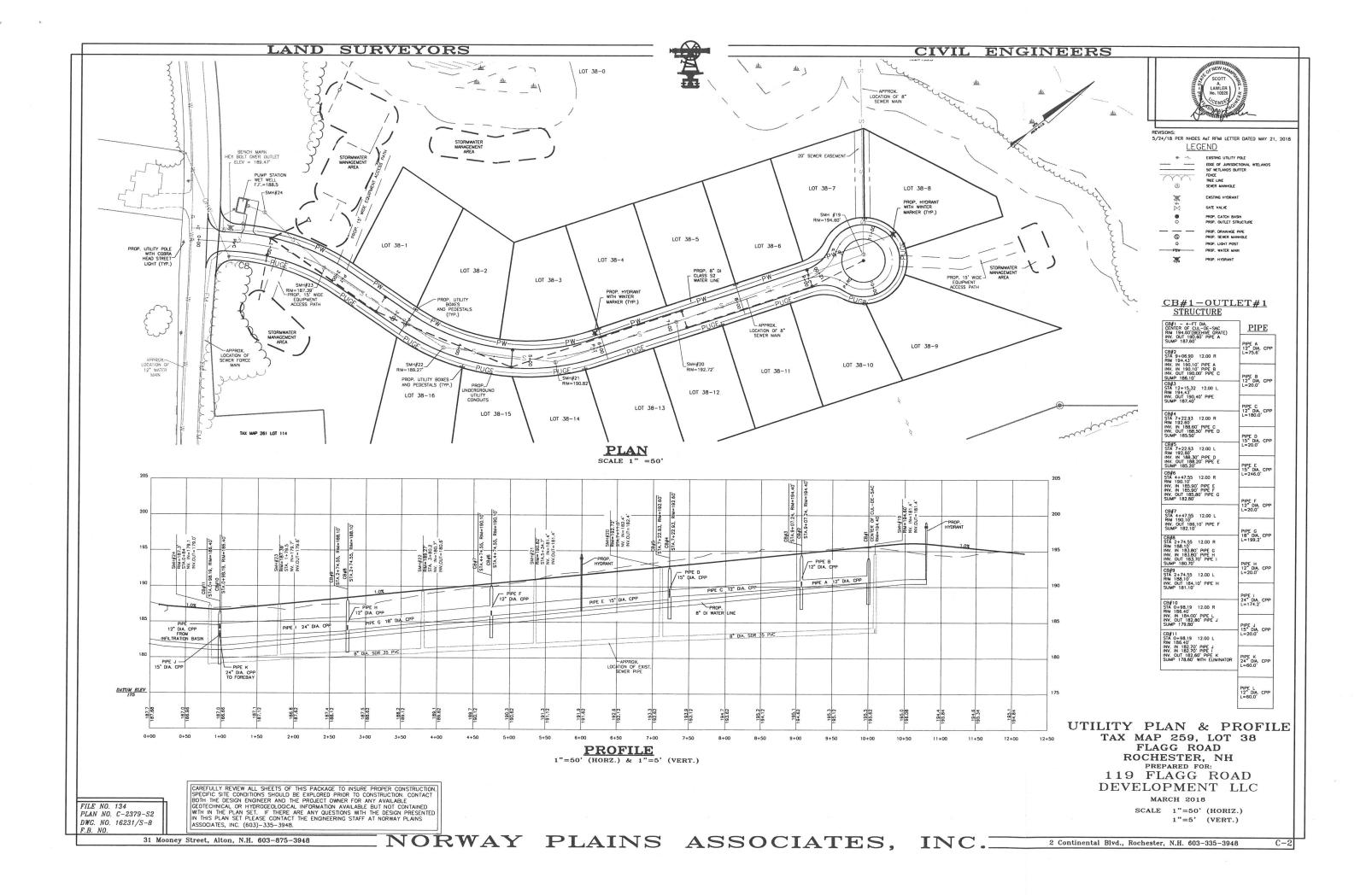
FILE NO. 134 PLAN NO. C-2379-S2 DWG. NO. 16231/S-8

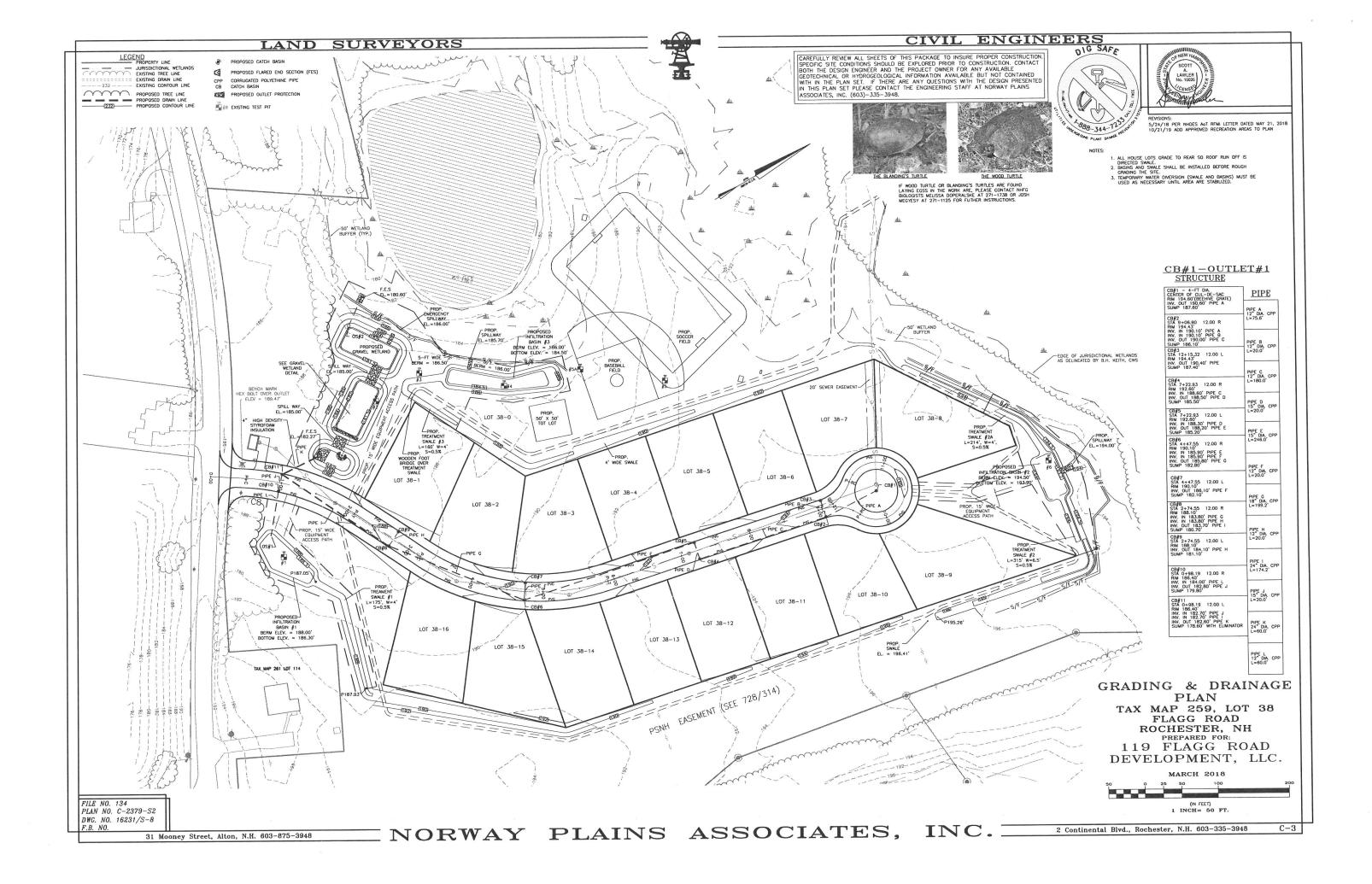
NORWAY PLAINS ASSOCIATES, INC. I

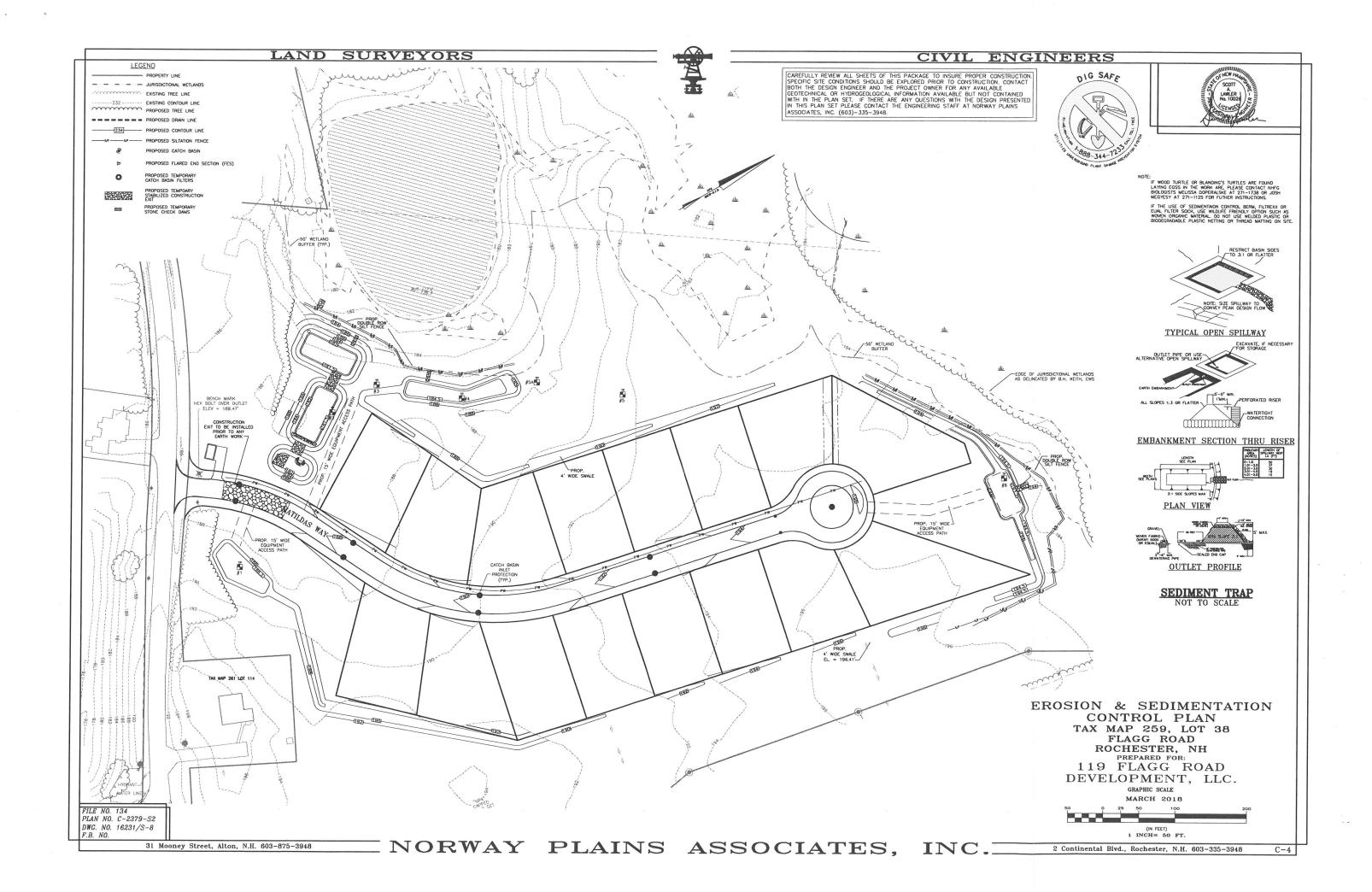








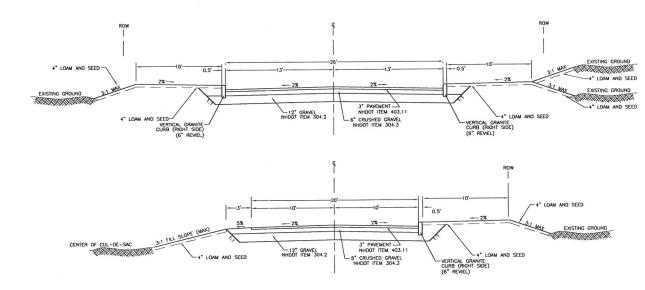






NHDOT 609.01 OR 609.5 STRAIGHT GRANITE CURB

2" BINDER COURSE (NHDOT 403.11) 6" CRUSHED GRAVEL (NHDOT 304.3)



### TYPICAL ROADWAY CROSS SECTION (AT CUL-DE-SAC)

SCALE: 1"=5'

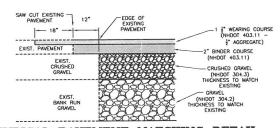
- CONSTRUCTION MATERIALS AND METHODS SHALL BE IN ACCORDANCE WITH NHDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND THE CITY OF ROCHESTER CONSTRUCTION SPECIFICATIONS.

  THE ENTIRE AREA OF THE STREET WITHIN IT'S RIGHT-OF-WAY LINES AND IT'S ADJOINING SLOPED AREAS SHALL BE CLEARED OF ALL STUMPS, BRUSH, ROOTS, ROCKS, BOULDERS, AND LIKE MATERIALS AND ALSO OF ALL TREES NOT INTENDED FOR PRESERVATION.

  CONTRACTOR IS TO CONTACT CITY ENGINEER, TO REVIEW CONDITION OF THE ROUGHED IN ROAD, 72 HOURS PRIOR TO THE INSTALLATION PAVEMENT.

  ALL BACK FILL IN TRENCHES AND FILL FOR THE ROAD BEDS SHALL BE COMPACTED TO 95% OPTIMUM DENSITY.

  UNDERDRAIN SHALL BE INSTALLED IN AREAS DEEMED NECESSARY AS DETERMINED BY SUBDRAINAGE CONDITIONS OR AS REQUIRED BY THE CITY
- ENGINEER. (NHDOT ITEM 605.56)
- AGGREGATE #4 (NHDOT ITEM 703) SHALL BE WRAPPED IN A SUPPORT MEMBRANE (FILTER FABRIC). UNDERDRAIN SHALL BE TIED IN TO THE PROPOSED DRAINAGE STRUCTURES.



#### TYPICAL PAVEMENT MATCHING DETAIL

- KEMENT MAICHING NOTES:
  BINDER COURSE PARMENT EDGES SHALL BE STRAIGHT EDGE FORMED BY A MACHINED SAW CUT.
  WEARING COURSE PARMENT EDGES SHALL BE DEFINED BY A MILLED EDGE.
  SUBGRACE MATERIAL SHALL BE BACKFILLED WITH GRANULAR FILL AND COMPACTED TO 95% OF IT'S
  UNINE BRY OFFSTY.
- C MAILENS.

  O'REMATERAL TO BE USED SHALL MATCH EXISTING MATERIALS UNLESS OTHERWISE SPECIFED OF THEM DESIGNED.

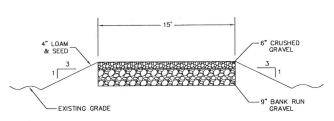
  NEER O'T THEM DESIGNED.

  NEER O'T THEM DESIGNED.

  NEER O'T THEM DESIGNED.

  THOCAL AND HORIZONTAL JOINTS BETWEEN PAYEMENTS SHALL BE TACK COATED.

  THOCALESS SHALL MATCH EXISTING BUT IN CASES SHALL BE LESS THAN 3 1/2" IN TOTAL.
- WE INTERMENT SHALL MALLE EXISTING BUT IN URLES SHALL BE LESS THOW YELL IN THE THE WAY TO THE THE PATCHES SHALL BE PLACED IN TWO PHASES: THE FIRST PHASE SHALL CONSIST OF CUTTING BACK THE FULL DEPTH OF PAWEMENT 12. TO BRIDE THE DESTROY BANK AS THE EXISTING FORM THE PLACE THE PART FOR THE PART OF THE PART OF



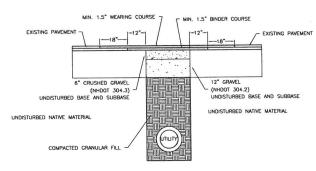
#### MAINTENANCE PATH CROSS-SECTION

NOT TO SCALE

## CIVIL ENGINEERS

CAREFULLY REVIEW ALL SHEETS OF THIS PACKAGE TO INSURE PROPER CONSTRUCTION. SPECIFIC SITE CONDITIONS SHOULD BE EXPLORED PRIOR TO CONSTRUCTION. CONTACT BOTH THE DESIGN ENGINEER AND THE PROJECT OWNER FOR ANY AVAILABLE GETECHNICAL OR HYDROGEOLOGICAL INFORMATION AVAILABLE BUT NOT CONTAINED WITH IN THE PLAN SET IF THERE ARE ANY QUESTIONS WITH THE DESIGN PRESENTED IN THIS PLAN SET PLEASE CONTACT THE ENGINEERING STAFF AT NORWAY PLAINS ASSOCIATES, INC. (603)-335-3948.





- NOTES:

  NOTES:

  NOTES:

  NOTES:

  PAREMENT EDGES SHALL BE DEFINED BY A STRAIGHT EDGE FORMED BY

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  TERNICH SUBGRADE MATERIAL SHALL BE BACKFILLED WITH GRANULAR FILL

  AND COMPACTED TO 935 OF 115 DRY DENSITY.

  TOP 18" OF BACKFILL SHALL BE 6" OF COMPACTED 3/4" CRUSHED

  GRAVEL (HNDOT 304-3).

  ALL VERTICAL AND HORIZONTAL JOINTS BETWEEN PAVEMENTS SHALL BE

  TACK COATED.

  TOWN THE PAREMENT SHALL BE PLACED IN TWO PLACES:

  BE LESS THAN 3" THAK TOTAL.

  PAWEMENT SHALL BE PLACED IN TWO PLACES:

  6. THE FIRST PHASE SHALL ALL CONSIST OF CUITING BACK THE FULL DEPTH

  OF PAWEMENT 12" BEYOND THE EDGES OF THE DISTURBED TRENCH AND

  PAWING A BINGER COURSE THE FULL DEPTH OF THE PAWEMENT AS TO

  BRING THE PATCH FULSH WITH THE EXCENSION ENDING FOR THE PATCH OF THE PATCH FULSH WITH THE EXCENSION FOR THE PROMETY STATE

  BY A IMMINUM OF 18" IN ALL DIRECTIONS TO A DEPTH OF 1.5".

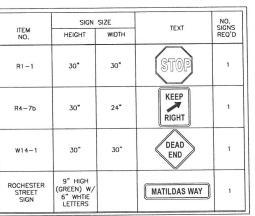
  WEARING COURSE PAWEMENT SHALL BE USED TO CREATE A SMOOTH

  SURFACE WITH THE ROADWAY OVER THE EXTENTS OF THE MILLED AREA.

  TO INSPECTION TO ENSURE COMPLIANCE WITH OTY STANDARDS.

#### TRENCH PATCH PROFILE

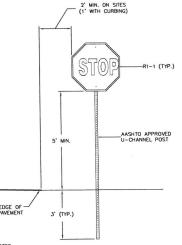
NOT TO SCALE



. ALL SIGNS SHALL BE PER "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.

### SIGN SCHEDULE

NOT TO SCALE



NOTES.

SON POST SHALL BE AASHTO APPROVED U-CHANNEL OR OTHER PER ASSHTO "SPECIFICATIONS FOR STRUCTURAL SUPPORT OF HIGHWAY SIGNS, LUMINARIES AND SIGNALS", LATEST EDITION.

SIGNS SHALL BE MOUNTED 5 FT FROM GROUND TO BOTTOM EDGE WHERE PRARKING AND PRARKING LOT MOVEMENTS TAKE PLACE.

SIGNS SHARM AND APPRICING LOT MOVEMENTS TAKE PLACE.

SIGNS SHARM AND APPRICING LOT MOVEMENTS TAKE PLACE.

SHARM SHA

- TYPICAL TRAFFIC SIGN

NOT TO SCALE

ROADWAY DETAILS TAX MAP 259, LOT 38 FLAGG ROAD ROCHESTER, NH PREPARED FOR: 119 FLAGG ROAD

DEVELOPMENT, LLC.

FILE NO. 134 PLAN NO. C-2379-S2 DWG. NO. 16231/S-8

F.R. NO.

GRANITE CURB DETAIL

NOT TO SCALE

4" LOAM & SEED /(NHDOT 641.04)



MATERIAL MIN. 2'-0"

4" IRON BODY RESILIENT WEDGE TYPE GATE VALVE MEETING OR EXCEEDING A.W.W.A. C509

VALVES SHALL OPEN BY TURNING CLOCKWISE (RIGHT)

BRIDLED VALVES)

#### CIVIL ENGINEERS

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CITY OF ROCHESTER LIGHT FIXTURE

NOT TO SCALE

1. PROPOSED COBRA HEAD STYLE LIGHT FIXTURE SHALL BE AN AFFINITY MODLE
2. THE PROPOSED COBRA HEAD STYLE LIGHT FIXTURE SHALL BE AN AFFINITY MODLE
2800-25W-30K-CCT-10Y WITH WHITE HEADS.
2800-25W-30K-CCT-10Y WITH WHITE HEADS

UN-CCIT-TOY WITH WHITE HEADS.

CTOR SHALL CONTACT THE CITY OF ROCHESTER PUBLIC WORKS DEPARTMENT PRIOR AND INSTALLING THE FIXTURE TO VERIFY THE FIXTURE SPECIFICATIONS.

TO BUILDING



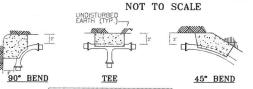
CROSS COUNTRY UNDER PAVEMENT
TRENCH TRENCH

TRUESTS MAY BE RESTALED BY EXCHANGE, AN EPEN TERMEN WITH SIDE SLOPES OF 1:1 MAXIMUM TO A DEPTH OF 4-FT.

WITHLANDONS DEPTER THAN 4-FT REQUIRE THE USE OF A TREMEN BOX.

2. PIPE MATERIALS SHALL BE AS SPECIFIED ON THE DESIGN FLOW.

#### WATER PIPE TRENCH INSTALLATION DETAIL



MINIMUN THRUST BLOCK BEARING AREA REO'D AGAINST LINDISTURBED MATERIAL (SQ. FT.) PIPE 90 TEE PLUG 45 221/27& SIZE BEND TEE PLUG 45 SMALLER

WATER MAIN THRUST BLOCK DETAILS

NOT TO SCALE

					DUCT	LE IR	ON N	ECHA	NICAL	RET	RAINE	D LEN	IGTH	(FEE1	)					
0.05								BEI	NDS									DEAD	ENIC	
PIPE		11	1/4"			22	1/2"			4	5°			9	0.			UEAU	FIAL	
(INCHES)	50 psi	100 psi		200 psi	50 psi	100 psi	150 psi	20 p												
2"	0	0	1	1	0	1	1	1	1	1	2	3	2	4	5	7	4	8	12	1
6"	0	0	1	1	1	1	2	2	1	2	3	4	3	5	8	10	6	12	18	2
8"	0	1	1	1	1	1	2	3	1	3	4	6	3	7	10	13	8	15	23	3
10"	0	1	1	2	1	2	2	3	2	3	5	7	4	8	12	16	9	19	28	3
12"	0	1	1	2	1	2	3	4	2	4	6	8	5	9	14	19	11	22	33	4
				TE	E+							REDU	JCER							
[		SAME	SIZE		ONE	SIZE	SMA	LLER	ONE	SIZE	SMA	LLER	TWO	SIZE	SMA	LLER				
	50 psi	100 psi	150 psi	200 psi	50 psi	100 psi	150 psi		50 psi	100 psi	150 psi		50 psi	100 psi	150 psi	200 psi				
2*	1	1	1	1	1	1	-1	1	1	3	4	5	-	-	-	-				
6"	1	1	1	4	1	1	1	1	3	6	9	12	4	8	12	16				
8"	1	1	3	11	1	1	1	1	3	6	10	13	6	11	17	22				
10"	1	1	8	17	1	1	1	6	3	6	10	13	6	11	17	23				
12"	1	2	13	24	1	1	4	13	5	11	16	22	6	12	18	23				

BASED ON A MINIMUM ATTACHED PIPE ALONG RUN (Lr) = 5 FEET

#### MECHANICAL RESTRAINED LENGTH SCHEDULE

NOT TO SCALE

NOISE:

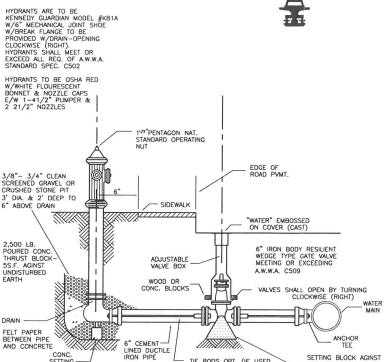
I. PIPE IS BURIED TO A DEPTH OF 6 FEET WITH A MINIMUM OF 4 INCHES OF COMPACTED GRANULAR MATERIAL UNDER THE PIPE TO THE SPRING LINE OF THE PIPE.

2. THE EXISTING SOIL IS POORLY GRADED GRANEL AND GRAVEL SAND MIXTURE WITH LITTLE TO NO FINES.

3. ALL CALCULATIONS ARE BASED ON A FACTOR OF SAFETY OF 1.5 TO 1.

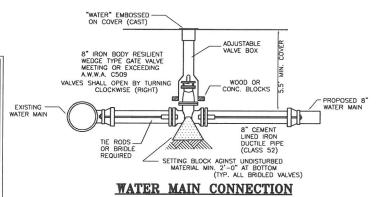
4. ALL CALCULATIONS ARE BASED ON THE "RESTRAINED LENGTH CALCULATION PROGRAM" BY EEGAL FROM, INC., RELEASE 3.1.

FILE NO. 134 PLAN NO. C-2379-S2 DWG. NO. 16231/S-8



#### TYPICAL HYDRANT SECTION

NOT TO SCALE



NOT TO SCALE

## PAYMENT PAYMENT LIMIT 2" COPPER TUBING TYPE K LIMIT 2" CORP. COPPER GOOSENECK CURB STOP & BOX LOCATION AS DIRECTED -BALL VALVE CURB STOP COMPRESSION (NO DRAIN) BRONZE FLARED TYPE COMPRESSION FITTINGS

NOTE: SERVICE LINE SHALL BE TYPE K COPPER CONFORMING TO ASTM-D88

## TYPICAL DOMESTIC SERVICE CONNECTION

### TYPICAL FIRE SERVICE CONNECTION

SETTING BLOCK AGINST UNDISTURBED MATERIAL MIN. 2'-0" AT BOTTOM (TYP. ALL BRIDLED VALVES)

ADJUSTABLE VALVE BOX

NOT TO SCALE

#### GENERAL UTILITY NOTES

- CONTRACTOR SHALL NOTIFY DIG-SAFE (1-888 344-7233) 72 HOURS PRIOR TO THE START OF CONSTRUCTION.

- START OF CONSTRUCTION

  2. ALL EXISTING UTILITY LOCATIONS ARE APPROXIMATE AS SHOWN. THE CONTRACTOR SHALL VERIFY THEIR LOCATIONS AND ELEVATIONS.

  3. THESE PLAN SHOWS ONLY THOSE FEATURES THAT WERE VISUALLY APPARENT ON THE DATE OF THE SURVEY. THE ABSENCE OF SUBSURFACE STRUCTURES, UTILITIES, ETC. FROM THIS PLAN, BUT IN EMISTENCE IS NOT INTENDED OR IMPLIED.

  4. ANY UTILITY POLES THAT NEED TO BE RELOCATED SHALL BE COORDINATED WITH EVERSOURCE OR VERIZON, WHOM EVER HAS CONTROL OVER THEM.

  5. PROPOSED UTILITIES ARE TO BE UNDERGROUND. COORDINATE LOCATION OF UNDERGROUND UTILITIES AND TRANSFORMER PADS WITH PSNH AND OTHER PERTINENT UTILITY COMPANIES.

  6. WATER AND SEWER LINES SHALL BE INSTALLED A MINIMUM OF 10-FT APART HORIZONTALLY.
- HORIZONIALLY.

  7.) WHERE SEWER AND WATER LINES MUST CROSS, SEWER PIPE JOINTS SHALL BE LOCATED A MINIMUM 9-FT HORIZONTALLY FROM THE WATER LINE AND A VERTICAL SEPARATION OF 18-INCHES SHALL BE MAINTAINED.
- UF 10-INCHES SHALL BE MAINTAINED.

  8.) SEWER PIPE JOINTS SHALL BE TESTED WITH ZERO LEAKAGE AT 25 POUNDS PER SQUARE INCH FOR GRAVITY SEWER AND AT 1-1/2 TIMES WORKING PRESSURE FOR ALL FORCE MAINS.

  9. WAITERLINE CONSTRUCTION:

  A ) ALL PROPOSED WATER LINE MATERIAL WATER TO BE SERVED.
- A.) ALL PROPOSED WATER LINE MATERIAL USED SHALL MEET ROCHESTER WATER DEPARTMENT AND ROCHESTER ENGINEERING DEPARTMENT SPECIFICATIONS. WATER LINES SHALL BE A.W.W.A C 151, CLASS 52, CEMENT LINED, DUCTILE IRON PIPE.
- SHALL BE A.W.A. C 131, CASS 52, CEMENT LINED, DUCILLE IRON PIPE.

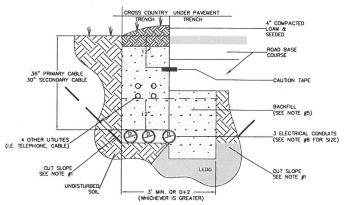
  B.) PROPOSED WATER GATE VALVES SHALL BE MANUFACTURED BY KENNEDY OF AMERICAN FLOW CONTROL, RESILIENT SEAT TYPE.

  C.) ALL WATER LINES SHALL BE BURIED A MINIMUM OF 5'.

  D.) IF 5' OF COVER IS NOT AVAILABLE WATER LINE SHALL BE INSULATED AS SHOWN IN THE "SHALLOW COVER TRENCH DETAIL FOR INSULATED WATER PIPE".

- E.) ALL WATER FITTINGS SHALL BE CLASS 52.
  F.) PROPOSED WATER GATE VALVE SHALL OPEN CLOCKWISE (RIGHT).

  10.) WORK TO CONNECT INTO THE WATER OR SEWER MAINS REQUIRES A PERMIT FROM THE ROCHESTER PUBLIC WORKS DEPARTMENT. CONTRACTORS ARE TO BE PRE—QUALIFIED.



DITS:

AL NON-METALUC CONDUIT AND FITTINGS SHALL BE ELECTRICAL GRADE, SCHEDULE 40 PVC, AND SHALL CONFORM TO THE APPLICABLE SECTIONS OF NEMA 172-1990. AND BE UL LISTED. OBJUTTICAL-COLORED CORDUIT WILL BE ACCEPTED. AND PVC CONDUIT NOT HAVING THE PROPER HEMA AND UL. BE CEMENTED. STEEL FITTINGS SHALL BE SEALED WITH COMPANIES OF THE APPLICABLE AND PVC CONDUIT NOT HAVING THE PVC FIRST NUMBER CEMENTS. STEEL FITTINGS SHALL BE SEALED WITH COMPANIES OF THE APPLICABLE AND 24 INCHES FOR SECONDARY CABLES. ALL STEEL SWEEPS WITHIN 18" OF THE SIGN ACCESSAGE PROPERLY CABLES AND 24 INCHES FOR SECONDARY CABLES. ALL STEEL SWEEPS WITHIN 18" OF THE SIGN ACCESSAGE PROPERLY GROUPES OF THE POWER OF THE SIGN AND THE STEEL SWEEPS WITHIN 18" OF THE SIGN ACCESSAGE FULLIBLE.

BE SWEET-PVC. JOINT IS NOT SUBJECT TO FALUE DURING CABLE FULLING.

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CONTRACTOR. THE PSHIS SUPERVISOR MUST BE NOTIFIED 2 BUSINESS DAYS PRIOR TO BACKFULING THE TRENCH. IN THE EXENT THAT A CABLE CANNOT BE SUCCESSFULLY PULLED THROUGH THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND REPART THE INVOLVED CONDUIT. THE CONTRACTOR MUL BE RESPONSIBILITY FOR LOCATE AND REPART THE INVOLVED CONDUIT. THE CONTRACTOR MUL BE RESPONSIBLE FOR ALL RESULTING EXPENSES. SECONDARY, AND 5-HOLT FOR THREE PHASE PRIMARY AND SECONDARY VOLVIDE CABLES, 4-HOLF OR THREE PHASE SECONDARY, AND 5-HOLT FOR THREE PHASE PRIMARY. ALL CONDUIT STATULATIONS CHAPPEN FOR THE PHASE PHASE ALL CONDUIT STATULATIONS CHAPPEN FOR THE PHASE PHASE PHASE CONDUIT MAY BE RESTAULDED BY EXCANATION AND OPEN THE PHASE PHASE

#### **ELECTRICAL & UNDERGROUND UTILITY** TRENCH INSTALLATION DETAIL

NOT TO SCALE

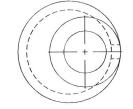
UTILITY DETAILS TAX MAP 259, LOT 38 FLAGG ROAD ROCHESTER, NH PREPARED FOR 119 FLAGG ROAD DEVELOPMENT, LLC. MARCH 2018

NORWAY PLAINS ASSOCIATES, INC.









PLAN VIEW

LINE TER	SUM OF DRAIN LINE DIAMETER	CATCH BASIN DIAMETER	50".4	5"→
TO 18"	LESS THAN 54"	4'	1'-0",2'-0",3'-0"	BARREL
TO 27"	LESS THAN 72"	5'	0.7	BA
TO 33"	LESS THAN 90"	6'		
LARGER G	REATER THAN 90"	REFER TO THE STANDARD	] +	

NOTES:
1. CONCRETE: 4,000 PSI AFTER 28 DAYS.
2. REINFORCING: SHALL BE PROVIDED FOR H-20

- LOADING.

  SHIPLAP JOINTS SEALED WITH 1 STRIP OF BUTYL RUBBER SEALANT.
  PIPE OPENINGS CAST IN AS REQUIRED.

  SHISER PEDIATY JOARIES 1, 2, 3' OR 4' TO REACH 6. PIPE CONNECTIONS SHALL BE MORTARED.

  PIPE CANECTIONS SHALL CONFORM TO ASTM.

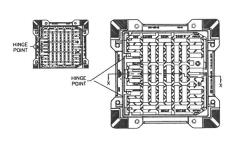
  C-478.
- C-478. 8. SEE SLAB TOP DETAIL FOR STRUCTURES REQUIRING SLAB TOPS, I.E. DOUBLE GRATE AND FRAME STRUCTURES.

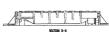
SECTION VIEW

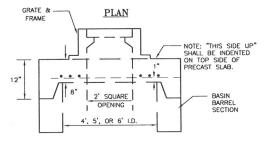
OUTLET INV

#### PRE-CAST REINFORCED CATCH BASIN

NOT TO SCALE







1/2" \$\Phi\$
STEEL REINF.
BARS

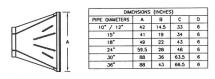
#### ELEVATION

E:
SLAB TO BE PLACED IN LIEU OF TAPERED SECTION WHERE
PIPE WOULD OTHERWISE ENTER INTO TAPERED SECTION OF THE
STRUCTURE AND WHERE PERMITTED.
SLAB TOP MAY BE CASTED WITH MINIMUM OR NO
INTERLOCKING CHANNEL. HOWEVER, THE CONTRACTOR MUST
ENSURE THE SLAB TOP IS FIRMLY ATTACHED TO THE
STRUCTURE.

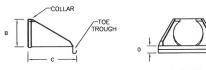
#### 24" REXUS DI CB F & GRATE 62114 CB3R NOT TO SCALE

#### REINFORCED CONCRETE SLAB COVER

NOT TO SCALE



TOP VIEW



FRONT VIEW

#### FLAIRED END SECTION DETAIL NOT TO SCALE

31 Mooney Street, Alton, N.H. 603-875-3948

FILE NO. 134 PLAN NO. C-2379-S2



24 12' 7.5' 30 12' 7.5'

COLLAR DIMENSION TABLE

| D | W | H |
| 12 | 10' | 6'

18 10.25' 6'

ANTI-SEEP COLLAR DETAIL NOT TO SCALE

## DRAINAGE PIPE TRENCH INSTALLATION DETAIL NOT TO SCALE

# FRONT VIEW SIDE VIEW

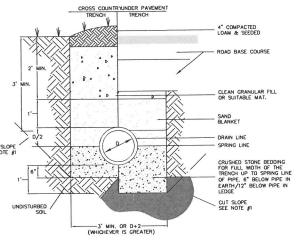
#### ELIMINATOR CATCH BASIN OIL AND DEBRIS TRAP DETAIL

NOT TO SCALE

NULES:

1. HOOD SHALL BE "THE ELIMINATOR" OIL & FLOATING DEBRIS TRAP AS MANUFACTURED BY GROUND WATER RESCUE, INC., QUINCY, MA., TEL. 617-773-1128 ON THE WEB © WWW.KLEANSTREAM.COM

2. AVAILABLE IN 8", 10", 12", 15" AND 18" DIAMETERS.



DRAINAGE DETAILS TAX MAP 259, LOT 38 FLAGG ROAD ROCHESTER, NH PREPARED FOR: 119 FLAGG ROAD DEVELOPMENT, LLC.

MARCH 2018

NORWAY PLAINS ASSOCIATES, INC.

#### INFILTRATION BASIN:

- PECIFICATIONS.

  ON NOT DISCHARGE SEDMENT-LADEN WATERS FROM CONSTRUCTION ACTIVITIES (RUNGEF, WATER FROM EXCAVATIONS) TO THE INFLITRATION BASIN.

  DO NOT TRAFFIC EXPOSED SOIL SURFACE WITH CONSTRUCTION EQUIPMENT. IF FEASIBLE, PERFORM EXCAVATIONS WITH EQUIPMENT POSITIONED OUTSIDE THE LIMITS OF THE INFLITRATION BASIN.

  AFTER THE BASIN IS EXCAVATED TO THE FINAL DESIGN ELEVATION, THE FLOOR SHALL BE DEEPLY TILLED WITH A ROTARY TILLER OR DISC HARROW TO RESTORE INFLITRATION RATES, FOLLOWED BY A PASS WITH A LEVELING DIRAC.

  VEGETATION SHALL BE ESTABLISHED IMMEDIATELY AFTER FINAL GRADING IS COMPLETED.

  CONSTRUCT THE INFLITRATION BASIN TO THE GRADES DEPICED ON THE PLAN AND CROSS—SECTION.

  LOAM AND SEED QUILT, THE SLOPES OF THE INFLITRATION BASIN AS PRESCRIBED IN THE "PERMANENT VEGETATION" NOTES FOUND ON SHELT LITED AND THE SLOPES OF THE INFLITRATION BASIN TO THE ORDERS DEPICED ON THE PLAN AND CROSS—SECTION.

  DO NOT PLACE INFLITRATION SYSTEMS INTO SERVICE UNTIL THE CONTRIBUTING AREAS HAVE BEEN FULLY STABILIZED.

- MAINTENANCE REQUIREMENTS:

  1. INSPECT PRETEATMENT MEASURES (I.E. SEDIMENT FOREBAY(S), HOODED CATCH BASINS, ETC.) AT LEAST TWICE A YEAR AND AFTER EVERY STORM GREATER THAN 2.5 INCHES OF RAIN OVER A 24-HOUR PERIOD.

  2. INSPECT INFLITATION SURFACE BI-ANNUALLY. ONCE IN THE SPRING PRIOR TO MAY 15 AND ONCE IN THE FALL PRIOR TO OCTOBER 15.

  3. INSPECT INFLITATION SURFACE BI-ANNUALLY. ONCE IN THE SPRING PRIOR TO MAY 15 AND ONCE IN THE FALL PRIOR TO OCTOBER 15.

  3. INSPECT INFLITATION SURFACE AFTER ANY FAMINFALL EVENT OF 2.5-INCHES OR GREATER IN A 24-HOUR PERIOD.

  4. REMOVE AND DISPOSE OF ACCUMULATED SEDIMENT BASED ON INSPECTION. REPAIR AREA OF REMOVAL AS NECESSARY TO RESTORE INFLITATION PARAMETER.

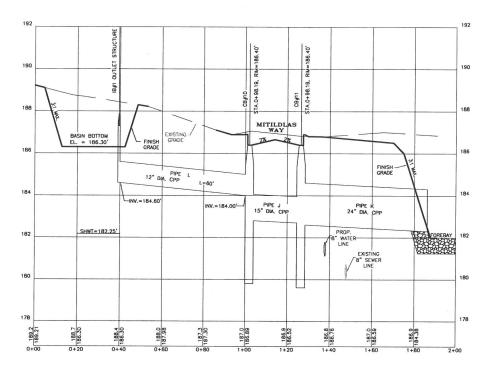
- REMOVE, AND DISPUSE OF ACCOMMENTED SECURISTS STATED OF THE ASSET OF THE STATE IS RECOMMENDED.

  PERFORM MAINTENANCE AND REHABILITATION BASED ON INSPECTION.

  COMOUT PERSON OWNING OF THE INFILITATION BASIN INLET BASED ON INSPECTION.

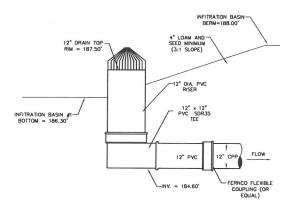
  COMOUT PERSON OWNING OF THE INFILITATION BASIN SLOPES AND EMBANKMENTS (MINIMUM TWICE A YEAR) TO ELIMINATE WOODY GROWTH FROM THE EMBANKMENTS AND BOTTOM, MONING THE INFILITATION BASIN SLOPES AND EMBANKMENTS WHEN MOWING THE REST OF THE SITE IS RECOMMENDED.

  IF THE INFILITATION SYSTEM DOES NOT DRAIN WITHIN 72-HOURS FOLLOWING A RAINFALL EVENT, THEN A QUALIFIED PROFESSIONAL (I.E. PROFESSIONAL ENDINEER, CECURISTED SOCIES SOCIENTS, ETC.) SHALL ASSESS THE COMOITION OF THE FAGULTY TO DETERMINE SALIES RECOUNCED TO RESTORE HEILTRATION TUNCTION, INCLUDING BUT NOT LIMITED TO REMOVAL OF ACCUMULATED SEDIMENTS OR RECONSTRUCTION OF THE INFILITATION SURFACE.



#### INFILTRATION BASIN #1 CROSS SECTION

1" = 20' (HORZ.) & 1" = 2' (VERT.)



#### **INFILTRATION BASIN #1 OUTLET STANDPIPE DETAIL**

NOT TO SCALE

FILE NO. 134 PLAN NO. C-2379-S2 DWC. NO. 16231/S-8

31 Mooney Street, Alton, N.H. 603-875-3948

## NORWAY PLAINS ASSOCIATES, INC.

#### 2 Continental Blvd., Rochester, N.H. 603-335-3948

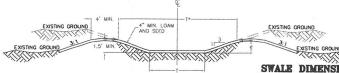
#### C-8

#### CIVIL ENGINEERS

CAREFULLY REVIEW ALL SHEETS OF THIS PACKAGE TO INSURE PROPER CONSTRUCTION. SPECIFIC SITE CONDITIONS SHOULD BE EXPLORED PRIOR TO CONSTRUCTION. CONTACT BOTH THE DESIGN ENGINEER AND THE PROJECT OWNER FOR ANY AVAILABLE GEOTECHNICAL OR HYDROGEOLOGICAL INFORMATION AVAILABLE BUT NOT CONTAINED WITH IN THE PLAN SET IF THERE ARE ANY QUESTIONS WITH THE DESIGN PRESENTED IN THIS PLAN SET PLEASE CONTACT THE ENGINEERING STAFF AT NORWAY PLAINS ASSOCIATES, INC. (603)-335-3948.

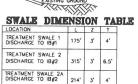


5/24/18 PER NHDES AOT RFMI LETTER DATED MAY 21, 2018



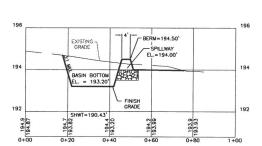
- MAINTENANCE NOTES:

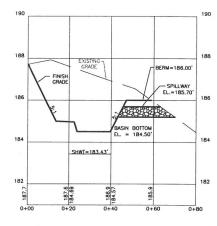
  1. THE SMALE(S) SHALL BE MOWED WITH THE REST OF THE SITES LAWN AREAS TO PROMOTE HEALTHY GROWT AND PREVENT THE ENDROACHMENT OF WEEDS AND WOODY VEGETATION. DO NOT MOW GRASS IN SWALE(S) SHOPPEN THE ENDROACHMENT OF WEEDS AND WOODY VEGETATION. DO NOT MOW GRASS IN SWALE(S) SHOPPEN THE SMALE(S) SHOPPEN OF PERTILUZED ON AN AS INCESSARY PASK, TO KEEP THE GRASS HEALTHY. OVER FERTILIZATION COLD RESULT IN THE SWALE(S) BECOMING A SOURCE OF POLLUTION TO THE SURROUNDING WELLOW MEETS AND ASSET OF THE SWALE(S) BECOMING A SOURCE OF POLLUTION TO THE SURROUNDING WELLOW MEETS AND ASSET OF THE SWALE(S) BECOMING A SOURCE OF POLLUTION TO THE SURROUNDING WELLOW MEETS AND ASSET OF THE SWALE(S) BECOMING A SOURCE OF POLLUTION TO THE SURROUNDING WELLOW MEETS AND ASSET OF THE SWALE(S) BECOMING A SOURCE OF POLLUTION TO THE SURROUNDING WELLOW MEETS AND ASSET OF THE SWALE(S) BECOMING A SOURCE OF POLLUTION TO THE SWALE(S) BECOMING A SWALE OF THE SWALE(S) BECOMING A SWALE OF THE SWALE OF THE SWALE OF THE SWALE O
- THE SWALE(S) SHOULD BE INSPECTED PERIODICALLY AND AFTER EVERY MAJOR STORM, RILLS AND DAMAGED AREAS SHOULD BE PROMPTLY REPAIRED AND RE-VEGETATED AS NECESSARY TO PREVENT FURTHER DETERIORATION.



#### VEGETATED TREATMENT SWALE DETAIL

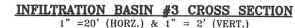
NOT TO SCALE

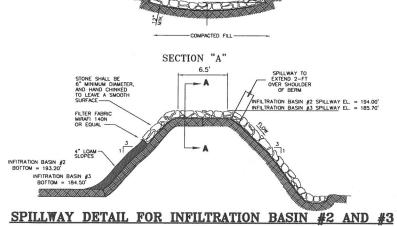




#### INFILTRATION BASIN #2 CROSS SECTION

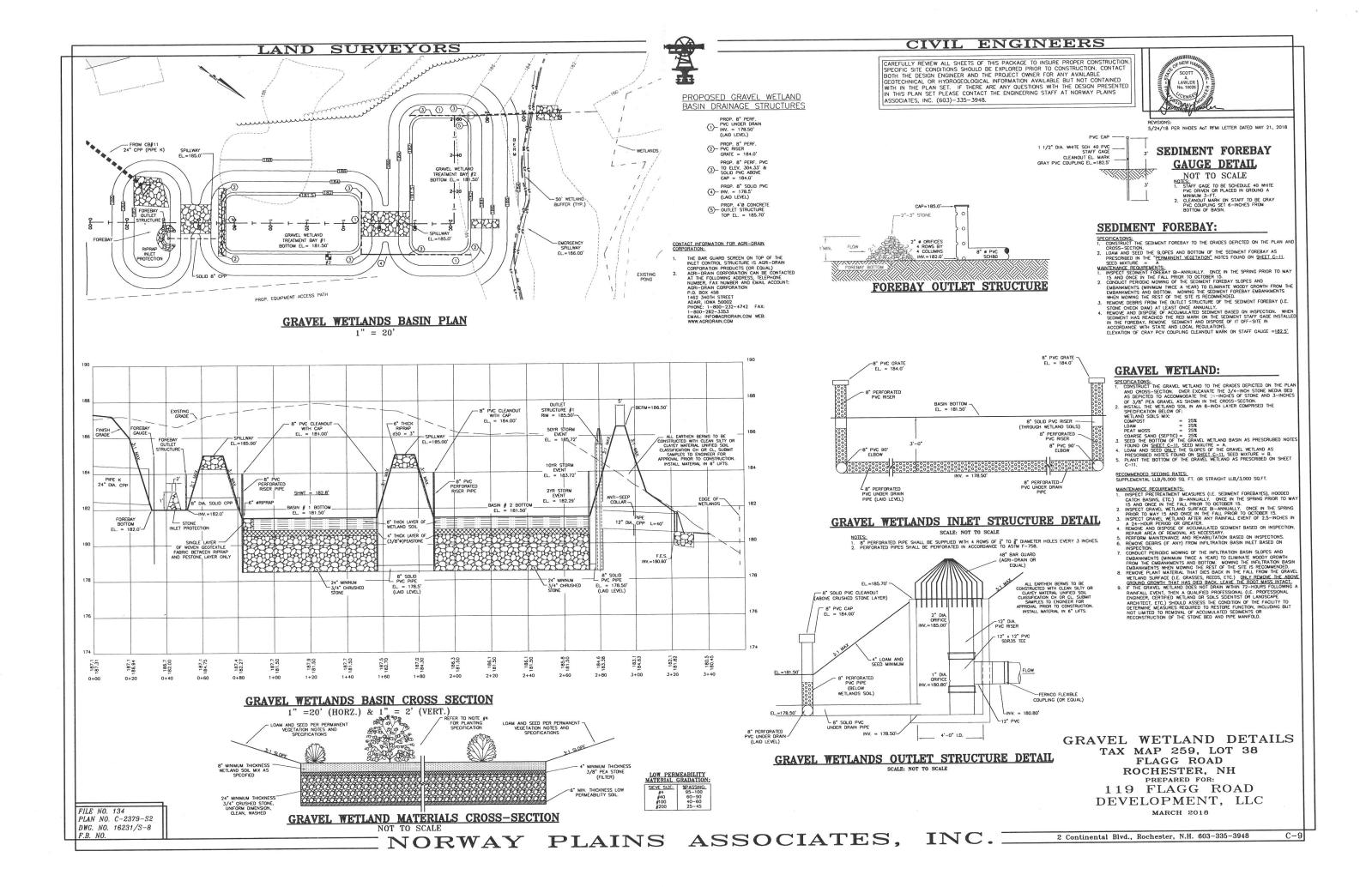
1" = 20' (HORZ.) & 1" = 2' (VERT.)

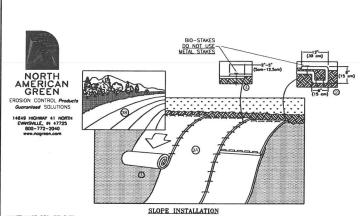




INFILTRATION BASIN & TREATMENT SWALE DETAILS TAX MAP 259, LOT 38 FLAGG ROAD ROCHESTER, NH PREPARED FOR: 119 FLAGG ROAD DEVELOPMENT, LLC.

MARCH 2018





ANIFORMER AND MAYS SHALL BE INSPECTED WEEKLY DURING THE CONSTRUCTION PERIOD, AND AFTER ANY RAINFALL EVENT EXCEDENCE 1/2 INCH IN A 24-HOUR PERIOD.

ANY FAULUE SHALL BE REPARED IMMEDIATELY. IF WASHOUT OF THE GLOSE AND AFTER ANY RAINFALL EVENT.

- EEDING 1/2 INCH IN A 24-HOUR PERIOD. FAILURE SHALL BE REPAIRED IMMEDIATELY. IF WASHOUT OF THE SLOPE, DISPLACEMENT OF THE MAT, OR DAMAGE TO THE MAT URS, THE AFFECTED SLOPE SHALL BE REPAIRED AND RESEEDED, AND THE AFFECTED AREA OF MAT SHALL BE RE-INSTALLED.
- OCCURS, THE AFFECTED SLUPE STRUCK DE NATURE STRUCTURES.

  OSDISTRUCTIONS REPORTEDATIONS:

  A MARUFACTURE'S INSTALLATION INSTRUCTIONS:

  A PREPARE SOIL BEFORE INSTALLATION ROLLED EROSION CONTROL PRODUCTS (RECP's), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.

  NOTE: WHEN USING CELL-0-SEED DO NOT SEED PREPARED AREA. CELL-0-SEED MUST BE INSTALLED WITH PAPER NOTE: WHEN USING CELL-0-SEED DO NOT SEED PREPARED AREA. CELL-0-SEED MUST BE INSTALLED WITH PAPER NOTE.

  ON THE NEW YORK OF THE NEW YOR OF THE NEW YORK OF THE NEW YORK
- PREPARE SUIL BELINE BRUILER AND SECTION OF SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER MOTE: WHICH SIND CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.

  BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECP'S IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH WITH APPROXIMATELY 12" (30 CM) PAPER IN THE BOOD OF BECF'S EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP'S WITH A ROW OF BIO-STAKES APPROXIMATELY 12" (30 CM) PAPER IN THE BOTTOM OF THE TRENCH.

  BACKFILL AND COMPACT THE TRENCH AFTER STAPLING, APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" 5. (CM) PORTION OF RECP'S BACK VOVER SEED AND COMPACTED SOIL SCHUE RECP'S WORTH COMPACTED SOIL WITH A COMPACT OF THE RECP'S AND THE SOIL SUFFACE. ALL RECP'S MUST BE SECURED TO SOIL SUFFACE BY PLACING BIOL WITH A APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM BIO-STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM BIO-STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE WITH APPROXIMATELY 2" -5" (5 CM 1.2.5 CM) OVERLAP DEPENDING ON RECP'S THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.

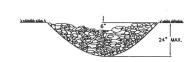
  THE EDGES OF PARALLEL RECP'S MUST BE STAPLED WITH APPROXIMATELY 2" -5" (5 CM 1.2.5 CM) OVERLAP DEPENDING ON RECP'S TO DOWN THE SLOPE MUST BE PLACED BEING OVER END CHINGLE STILL WITH AN APPROXIMATELY 2" -5" (5 CM) OWN DAPART ACROSS ENTIRE RECP'S MUST BE STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30 CM) APART ACROSS ENTIRE RECP'S MUST BE STAPLE OR STAVE LENGTHS GREATER THAN 6" (15 CM) MAY BE SECRESSED OF A SECRESSED OF

- SEEDING.
  A SEED AREA BEFORE BLANKET INSTALLATION FOR EROSION CONTROL AND REVEGETATION. SEEDING AFTER MAT INSTALLATION IS OFTEN SPECIFIED FOR TURE REINFORCEMENT APPLICATIONS, WHEN SEEDING PRIOR TO BLANKET INSTALLATION, ALL CHECK SUTS AND OTHER AREAS DISTURBED DURING INSTALLATION MUST BE RESEEDED.
  B. WHEN SOL FILLING IS SPECIFIED, SEED THE MATTING AND THE ENTIRE DISTURBED AREA AFTER INSTALLATION AND PRIOR TO FILLING THE MAT WITH SOLL.

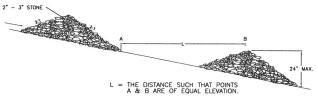
#### **TEMPORARY**

EROSION CONTROL BioNet SC150BN BIODEGRADABLE DETAIL NOT TO SCALE





DRAINAGE WAY CROSS-SECTION



#### SPACING BETWEEN STONE CHECK DAMS

- CONSTRUCTION SPECIFICATIONS:
  1. STRUCTURES SHALL BE INSTALLED ACCORDING TO THE DIMENSIONS SHOWN ON THE PLANS AT THE
- STRUCTURES SHALL BE INSTALLED FOCUSIONS OF THE STRUCTURES SHALL BE CARRIED OUT IN SUCH A MANNER SO THAT EROSION, AIR AND WATER POLLUTION WILL BE MINIMIZED.
  STRUCTURES SHALL BE REMOVED FROM THE CHANNEL WHEN THEIR USEFUL LIFE HAS BEEN COMPLETED.
- MAINTENANCE NOTES:

  1. TEMPORARY GRADE STABILIZATION STRUCTURES SHALL BE INSPECTED AFTER EACH STORM AND DAILY DURING PROLONGED STORM EVENTS. ANY DAMAGE TO THE STRUCTURES SHALL BE REPAIRED MAINTENANCE.

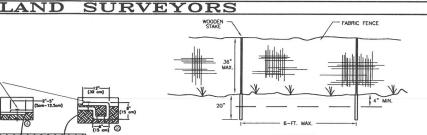
  2. MAINTENANCE AND THE STRUCTURE SHALL BE GIVEN TO END RUN AND EROSION AT THE DOWNSTREAM TOE OF THE STRUCTURE.
- STRUCTURE.
  WHEN REMOVING THE STRUCTURES, THE DISTURBED AREAS SHALL BE BROUGHT UP TO EXISTING CHANNEL
  GRADE AND THE AREAS PREPARED, SEEDED AND MULCHED.
  SCDIMENT SHALL BE REMOVED FROM BEHIND THE STRUCTURES WHEN IT REACHES 1/2 THE ORIGINAL
  HEIGHT OF THE STRUCTURE.

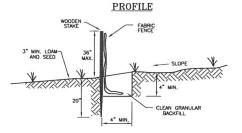
#### STONE CHECK DAM INSTALLATION DETAIL

FILE NO. 134 PLAN NO. C-2379-S2 NOT TO SCALE

DWG. NO. 16231/S-8

31 Mooney Street, Alton, N.H. 603-875-3948





#### CROSS-SECTION

- <u>MAINTENANCE REQUIREMENTS:</u>
  1. FENCES SHALL BE INSPECTED AND MAINTAINED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALLS; SEDIMENT DEPOSITION SHALL BE REMOVED, AT A MINIMUM, WHEN DEPOSITION ACCUMULATES TO ONE-HALF THE HEIGHT OF THE FENCE, AND MOVED TO AN APPROPRIATE LOCATION SO THE SEDIMENT IS NOT READILY TRANSPORTED BACK TOWARD THE SILT
- FENCE, AND MOVED TO AN APPROPARIE LOCATION SO THE SEDIMENT IS NOT READILY TRANSPORTED BACK TOWARD THE SIX STATEMENT OF THE ST

- 7. SILT FENCES HAVE A USEFUL UPE OF ONE SEADON ON LONGER CONSTRUCTION PROJECTS, SILT FENCE SHALL BE REPAIRED
  PERGOCALLY AS REQUIRED TO MANYAIN EFFECTIVENESS.

  CONSTRUCTION PSECRIFICATION SECURITY OF MANYAIN EFFECTIVENESS.

  FENCES SHALL BE USED IN AREAS WHERE EROSON WILL OCCUR ONLY IN THE FORM OF SHEET EROSON AND THERE IS NO CONTINUED TO ANY SOURCE.

  THE MAXIMUM CONTINUE OF THE CONTINUE THAT OF THE SHALL BE INSTALLED PRIOR OF ANY SHALL BE INSTALLED PRIOR OF THE FACE SHALL BE INSTALLED FROM THE LAND AS CLOSELY AS POSSIBLE, AND AS THE MAXIMUM EXPORT OF SHALL BE ENGEDDED A MINIMUM OF 4 MORIES IN DEPTH AND IN-CLES IN WIDTH IN A TRENCH EXCAVATED INTO THE GROUND, OR IF SHE CONDITIONS INCLUE FROZER GROUND, LEDGE, OR THE PRESENCE OF HEAVY ROOTS, THE BASE OF THE GROUND, OR IF SHE COMPINION SHOULD FROZER GROUND, LEDGE, OR THE PRESENCE OF HEAVY ROOTS, THE BASE OF THE GROUND, OR IF SHE COMPINION SHOULD FROZER GROUND, LEDGE, OR THE PRESENCE OF HEAVY ROOTS, THE BASE OF THE GROUND, OR IF SHE COMPINION SHOULD FROZER GROOTS, LEGGED OF 3/4-HOLD STONE;

  C. THE SOIL SHALL BE COMPACTED OVER THE EMBEDDED FABRIC.

  C. SUPPORT POSTS SHALL BE SHEED ON ANCHORED ACCORDING TO THE MAXIMUM OF 6 HOLDS (24 HOLDES IS PREFERRED), FOLDED THREE DIAGONAL THES.

  ADMINISTRATION OF THE FENCE SHALL BE THE FORE SHALL BE WARRAPPED BY A MINIMUM OF 6 HOLDS (24 HOLDES IS PREFERRED), FOLDED THREE DIAGONAL THES.

  THE FILTER FABRIC SHALL BE A PERMOUS SHEET OF PROPERENCE, NICLO, POLYESTER OR ETHYLENE YARN AND SHALL BE CERTIFIED THE PROSE OF THE FENCE SHALL BE THE PROSE OF THE PROSE

- A TRENCH SHALL BE EXCAVATED APPROXIMATELY 8 TRUTCS THE AND \$ TRUTCHS DECEMBER 18 MOVES OF THE FABRIC SHALL BE CANCELLY FROM THE OFFICE AND THE ARROY SHALL BE STAFFED OR WREDT OF THE POST, AND B MOVES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 MOVES ABOVE THE ORIGINAL GROUND SURFACE. THE TRENCH SHALL BE BOXIMED AND THE SOLL COMPACTED OVER THE FILTER FABRIC.

  SILT FENCE MAY BE INSTALLED BY "SUDING" USING MECHANICAL COUPPACIDE DUE STAFFED FOR THIS PROCEDURE, THE SUDING METHOD USES AN INNEVENT TOWER DEBYING ATRACTOR TO "PLOUN" OR SLUCE THE SILT FENCE MATERIAL NOT THE SOIL. SUDING METHOD USES AN INNEVENT TOWN DEBYING ATRACTOR TO "PLOUN" OR SLUCE THE SILT FENCE MATERIAL NOT THE SOIL. THE SILDING METHOD AND PRIMA CONDITION OF THE SIDE OF THE SIDE OF THE STAFF OR THE SIDE OF THE SIDE
- INCOLUDE.

  19. THE ENDS OF THE FINES SHALL BE TRIFFED UPHILL.

  19. THE ENDS OF THE FINES SHALL BE TRIFFED UPHILL.

  10. SILT FENCES PLACED AT THE TOE OF A SLOPE SHALL BE SET AT LEAST 6 FEET FROM THE TOE M ALLOW SPACE FOR SHALLOW PONDING AND TO ALLOW FOR MAINTENANCE ACCESS WITHOUT DISTURBING THE SLOPE.

  21. SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREAS HAVE BEEN PERMANENTLY STABULZED.

#### SILTATION CONTROL FENCE DETAIL

NOT TO SCALE

#### TEMPORARY VEGETATION SEEDING RECOMMENDATIONS

SPECIES	PER ACRE BUSHELS (BU) OR POUNDS (LBS.)	PER 1,000-SF	REMARKS
WINTER RYE	2.5 BU OR 112 LBS.	2.5 LBS.	BEST FOR FALL SEEDING. SEED FROM AUGUST 15 TO SEPTEMBER 15 FOR BEST COVER. SEED TO A DEPTH OF 1 INCH.
OATS	2.5 BU OR 80 LBS.	2.0 LBS.	BEST FOR SPRING SEEDING. SEED NO LATER THAN MAY 15 FOR SUMMER PROTECTION. SEED TO A DEPTH OF 1 INCH.
ANNUAL RYE GRASS	40 LBS.	1.0 LB.	GROWS QUICKLY, BUT IS OF SHORT DURATION. USE WHERE APPEARANCES ARE IMPORTANT. SEED EARLY SPRING AND/OR BETWEEN AUGUST 15 AND SEPTEMBER 15. COVER THE SEED WITH NO MORE THAN 0.25 INCH OF SOIL.
PERENNIAL RYE GRASS	30 LBS.	0.7 LBS.	BEST FOR FALL SEEDING. SEED FROM AUGUST 15 TO SEPTEMBER 15 FOR BEST COVER. SEED TO A DEPTH OF 1 INCH.

SOURCES: 1. NEW HAMPSHIRE STORMWATER MANAGEMENT MANUAL, VOLUME 3, TABLE . MINNICK, E.L. AND H.T. MARSHALL, (AUGUST 1992)

#### CIVIL ENGINEERS

CAREFULLY REVIEW ALL SHEETS OF THIS PACKAGE TO INSURE PROPER CONSTRUCTION. CAREFULL' REVIEW ALL SHEETS OF THIS PACKAGE TO INSURE PROPER CONSTRUCTION.

SPECIFIC SITE CONDITIONS SHOULD BE EXPLORED PRIOR TO CONSTRUCTION. CONTACT
BOTH THE DESIGN ENGINEER AND THE PROJECT OWNER FOR ANY AVAILABLE
GEOTECHNICAL OR HYDROGEOLOGICAL INFORMATION AVAILABLE BUT NOT CONTAINED
WITH IN THE PLAN SET. IF THERE ARE ANY QUESTIONS WITH THE DESIGN PRESENTED
IN THIS PLAN SET PLEASE CONTACT THE ENGINEERING STAFF AT NORWAY PLAINS ASSOCIATES, INC. (603)-335-3948.

WIRE SCREEN

STONE

**PLAN** 

CATCH BASIN

**SECTION** 

NOT TO SCALE

BLOCK AND GRAVEL DROP

INLET SEDIMENT FILTER

CONSTRUCTION SPECIFICATIONS

1. PLACE CONCRETE BLOCKS LENGTHWISE ON THEIR SIDE IN A SINGLE ROW AROUND THE PERINETER OF THE INLET, WITH THE ENDS OF ADJACENT BLOCKS ABUTTING. THE HEIGHT OF THE BARRIER CAN BE VARIED, DEPENDING ON DESIGN NEEDS, BY STACKING COMBINATIONS OF 4-INCH, B-INCH AND 12-INCH WIDE BLOCKS. THE BARRIER OF BLOCKS SHALL BE AT LEAST 12 INCHES HIGH AND NO GREATER THAN 24 INCHES HIGH.

STALL BE AT LEAST 12 INCHES HIGH AND NO GREATER HAM 42 INCHES HIGH.

WIRE MESH SHALL BE PLACED OVER THE OUTSIDE VERTICAL FACE (WEBBING) OF THE

CONCRETE BLOCKS TO PREVENT STONE FROM BEING WASHED THROUGH THE HOLES IN

THE BLOCKS. HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH 1/2-INCH OPENINGS

SHALL BE LIFED.

SHALL BE USED.

STONE SHALL BE PILED AGAINST THE WIRE TO THE TOP OF THE BLOCK BARRIER, AS SHOWN IN FIGURE 16.7. STONE GRADATION SHALL BE WELL GRADED WITH THE MAXIMUM STONE SIZE OF 6 INCHES AND MINIMUM STONE SIZE OF 1 INCH.

IF THE STONE FILTER BECOMES CLOGGED WITH SEDIMENT SO THAT IT NO LONGER ADEQUATELY PERFORMS ITS FUNCTION, THE STONE MUST BE PULLED AWAY FROM THE BLOCKS, CLEANED AND REPLACED.

NEEDED.
SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT EROOD.
STRUCTURES SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE REMAINING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

-WOVEN FILETER FABRIC

SECTION A-A

STAKE (2 PER BALE)

PLAN

THE DE-WALLTING ATEA THE STE.
TEMPORARY DE-WATERING AREA TYPE, <u>ABOVE GRADE</u>, WILL BE CONSTRUCTED AS SHOWN ABOVE, WITH A RECOMMENDED MINIMUM LENGTH AND MINIMUM WIDTH OF

SHOWN ABOVE, MITE A RECOMMENDATION OF AS DIRECTED BY TEH PROPOSITION AREA WILL BE LOCATED AS SHOWN OR AS DIRECTED BY TEH PRINTSOMENTAL CONSULTANT. COCKETARS, OR OTHER DEFECTS THAT COMPROMISE THE DURABILITY OF THE MATERIAL.

MAINTENANCE, NOTES:

1. THE DE-MATERING AREAS(S) WILL BE INSPECTED DAILY TO ENSURE THAT ALL SEDIMENT IS BEING DISCHARGED INTO THE HAYBALE DAM AREA, NO TEARS ARE PRESENT AND TO IDENTIFY WHEN SEDIMENT NEED OF BE REMOVED.

1. THE DE-MATERING AREA(S) WILL BE CLEANED DUT ONCE THE AREA IS FILLED TO 75 PERCENT OF ITS HOLDING CAPACITY.

2. ONCE THE HOLDING CAPACITY HAS BEEN REACHED THE SEDIMENT SHALL BE REMOVED AND DISPOSED OF OFF-SITE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATION.

4. THE GEOLETICLE LINING WILL BE REPLACED IF TEARS OCCUR DURING REMOVAL OF SEDIMENT FROM THE DE-MATERING AREA.

DE-WATERING AREA DETAIL

NOT TO SCALE

CONSTRUCTION SPECIFICATIONS:

1. THE DE-WATERING AREA WILL BE CONSTRUCTED BEFORE ANY PUMPING OCCURS AT

WOVEN GEOTEXTILE FABRIC

MAINTENANCE
1. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS

FLOW \_

-WIRE SCREEN



5/24/18 PER NHDES AOT REMI LETTER DATED MAY 21, 20

## **TEMPORARY VEGETATION:**

SPECIFICATIONS:
STE PREPARATION:

I. INSTALL NEEDED EROSION AND SEDIMENT CONTROL MEASURES SUCH AS SILTATION BARRIERS, DIVERSIONS, AND SEDIMENT TRAPS.

2. GRADE AS NEEDED FOR THE ACCESS OF EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH

2. GRANE AS RECEIVED YOU THE SECOND APPLICATION, AND MULCH ANCHORNOG.
3. RUNGEF SHALL BE DIVERTED FROM THE SEEDBED AREA.
6. ON SCORES 1: OR STEPPER, THE FRAM PREPARATION SHALL INCLUDE CREATING HORIZONTAL GROOVES FERRENDOLLARY. OT THE DIRECTION OF THE SLOPE TO CATCH SEED AND REDUCE RUNGEF.

4. ON SLOPES 4:1 OR STEEPER, THE FINAL PREPARATION SHALL INCLUDE, STEATING TURNING THREADS PEPPENDICULAR OT THE DIRECTION OF THE SLOPE TO CATCH SEED AND REDUCE RUNDED.

SEDIEBLE PREPARATION:

1. STONES AND TRASH SHALL BE REJOUED SO AS NOT TO INTERFERE WITH THE SEEDING AREA.

2. WHERE THE SOLL HAS BEEN COMPACTED BY CONSTRUCTION OPERATIONS, LOOSEN SOIL TO A DEPTH OF 2

3. IF APPLICABLE, FERTILIZER AND ORGANIC SOIL AMENDMENTS SHALL BE APPLIED DURING THE GROWING SEASON.

APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST RECOMMENDATIONS. FERTILIZER SHALL BE RESTRICTED TO LIME, WOOD ASH OF LOW PHOSPHATE AND SLOW RELEASE NITROCEN VARIETIES, UNLESS A SOIL TEST WARRANTS OTHERWISE. IS STINGTED AND TESTINGT SON FEASIBLE ON SHALL OR VARIETIES, UNLESS A SOIL TEST WARRANTS OTHERWISE. IS SINCE TO SHALL BE APPLIED AT THE FOLLOWING RATES:

LIMESTONE APPLICATION RATE = 3 TONS/ACRE (138 LB./1,000-SF)\*
\*EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDE

FERTILIZER APPLICATION RATE = 870 LB./ACRE (20 LB./1,000-SF)\*
\*LOW PHOSPHATE FERTILIZER (6-0-4) OR EQUIVALENT

# SEEDING. 1. APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL CULTIPACKER TYPE SEEDER OR HYDRO SEEDER (SLURRY INCLUDING SEED AND FERTILIZER). NORMAL SEEDING DEPTH IS FROM 1/4 TO 1/2 INCH. HYDROSEEDING THAT INCLUDES MULCH MAY BE LEFT ON SOL SURFACE. SEEDING RATES MUST BE INCREASED BY 10X WHEN HYDROSEID SHALL TYPICALLY OCCUR PRIOR TO SEPTEMBER 1S. 2. TELMPORARY SEED SHALL TYPICALLY OCCUR PRIOR TO SEPTEMBER 1S. 3. AREAS SEED BETWEEN MAY 15 AND AUGUST 15 SHALL BE COVERED WITH HAY OR STRAW MULCH, ACCORDING TO THE "TELMPARY AND PERMANENT MULCHING" PRACTICE DESCRIBED IN THE MYSMA, VOL. 3. 4. COCOGER 15. IF THIS CONDITION IS THE SEE SEE THE DISTURBED AREA SHALL BE ACHIEVED PRIOR TO OCTOBER 15. IF THIS CONDITION IS NOT ACHIEVED, IMPLEMENT OTHER TEMPORARY STABILIZATION MEASURES FOR OVER WINTER PROTECTION.

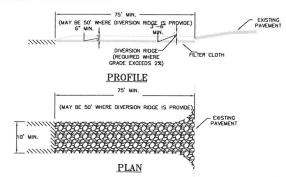
MAINTENANCE REQUIREMENTS.

1. TEMPORARY SEEDING SHALL BE INSPECTED WEEKLY AFTER ANY RAINFALL EXCEEDING 1/2 INCH IN 24 HOURS ON ACTIVE CONSTRUCTION STES. TEMPORARY SEEDING SHALL BE INSPECTED JUST PRIOR TO SEPTEMBER 15, TO ASCERTAIN WHETHER ADDITIONAL SEEDING IS REQUIRED TO PROVIDE STABILIZATION OVER THE WINTER PERIOD.

2. BASED ON INSPECTION, AREAS SHALL BE RESEEDED TO ACHIEVE FULL STABILIZATION OF EXPOSED SOILS. IF IT IS TOO LATE IN THE PLANTING SEASON TO APPLY ADDITIONAL SEED, THEN OTHER TEMPORARY IS THE TABILIZATION OF EXPOSED SOILS. IF ANY ENDERGOES SHALL BE INPLEMENTED.

3. IF ANY ENDERGOES SHALL BE INPLEMENTED.

4. FANY ENDERGOES OF SEDIOSION OF SEDIMENTATION IS APPARENT, REPAIRS SHALL BE MADE AND AREAS SHALL BE RESEEDED, WITH OTHER TEMPORARY MEASURES (I.E. MULCH, ETC.) USED TO PROVIDE EROSION PROTECTION DURING THE PERIOD OF VEGETATION ESTABLISHMENT.



## TEMPORARY CONSTRUCTION EXIT

NOT TO SCALE

MAINTENANCE REQUIREMENTS:

1. WHEN THE CONTROL PAD BECOMES INEFFECTIVE, THE STONE SHALL BE REMOVED ALONG WITH THE
COLLECTED SOIL MATERIAL, REGRADED ON SITE, AND STABILIZED. THE ENTRANCE SHALL TEN BE
PERCONSTRUCTED.

RECONSTRUCTED.

THE CONTRACTOR SHALL SWEEP THE PAVEMENT AT EXITS WHENEVER SOIL MATERIALS ARE TRACKED ONTO THE ADJACENT PAREMENT OR TRAVELED WAY.
WHEN WHELE WASHING IS REQUIRED, IT SHALL BE CONDUCTED ON AN AREA STABILIZED WITH AGGREGATE, WHICH DRAINS INTO AN APPROVED SEDIMENT—TRAPPING DEVICE. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING STORM DEAINS, OTTORES, OR WATERWAYS.

ISTRUCTION SPECIFICATIONS:
THE MINIMUM STORE USED SHALL BE 3-INCH CRUSHED STONE.
THE MINIMUM LENGTH OF THE PAD SHALL BE 75 FEET, EXCEPT THAT THE MINIMUM LENGTH MAY BE REDUCED TO 50 FEET IF A 3-INCH TO 6-INCH BERM IS INSTALLED AT THE ENTRANCE OF THE

PROJECT SITE.

THE PAD SHALL BE THE FULL WIDTH OF CONSTRUCTION ACCESS ROAD OR 10 FEET, WHICHEVER IS

3. THE PAD SHALL BE THE FULL WIDTH OF CONSTITUTION FOR A SHALL BE THE FULL WIDTH OF CONSTITUTION FOR A SHALL SLOPE AWAY FROM THE EXISTING ROADWAY.

4. THE PAD SHALL BE AT LEAST BUNGES THEXE.

5. THE CONTEXTUE FILTER FARMS SHALL BE PLACED BETWEEN THE STONE PAD AND THE EARTH SURFACE BELOW THE PAD.

6. 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.

6. MANIDAL DRAWAGE THAT GROSSES THE ICCATION OF THE STONE PAD SHALL BE INTERCEPTED AND PIPED BENEATH THE PAD, AS NECESSARY, WITH SUITABLE OUTLET PROTECTION.

TEMPORARY EROSION AND SEDIMENTATION CONTROL TAX MAP 259, LOT 38 FLAGG ROAD ROCHESTER, NH PREPARED FOR: 119 FLAGG ROAD DEVELOPMENT, LLC.

MARCH 2018

NORWAY PLAINS ASSOCIATES. INC.

2 Continental Blvd., Rochester, N.H. 603-335-3948

C-10

6' 13.1' 18' 9" 3"

RIP-RAP GRADATION

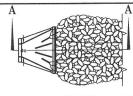
d50 = 3"

d50 = 4"

| GOU = 4 | GOU = 6 | GOU

APRON DIMENSION TABLE

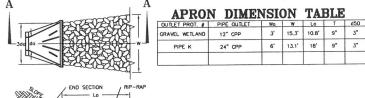
24" CPP



# GEOTEXTILE FABRIC

## SECTION A-A

#### (PIPE OUTLET TO WELL DEFINED CHANNEL)



EXISTING / SUB-GRADE GEOTEXTILE FABRIC SECTION A-A (PIPE OUTLET TO FLAT AREA NO WELL DEFINED CHANNEL)

NOIES:

ALL PIPE CULVERTS SHALL HAVE END SECTIONS OR HEADWALLS. END SECTION MATERIAL AND MANUFACTURER SHALL MATCH
THAT OF THE PIPE CULVERT.

THE LARGEST RIP-RAP SIZE DETERMINED DURING HYDROLOGIC ANALYSIS HAS BEEN USED FOR ALL OUTLETS FOR ECONOMY AND

SIMPLICITY.

3. APRON LENGTHS, WIDTHS AND THICKNESSES HAVE BEEN ROUNDED UP TO WHOLE NUMBERS FOR EASE OF CONSTRUCTION.

#### CONSTRUCTION SPECIFICATIONS: 1. PREPARE THE SUB-GRADE FOR THE FILTER MATERIAL, GEOTEXTILE FABRIC, AND RIP-RAP TO THE GRADES SHOWN ON THE

PLANS.

2. MINIMUM 6° SAND/GRAVEL BEDDING OR GEOTEXTILE FABRIC REQUIRED UNDER ALL ROCK RIP—RAP.

3. THE ROCK OR GRAVEL LISED FOR FILER OR RIP—RAP PAUL CONFORM TO THE SPECIFIED GRADATION.

4. GEOTEXTILE FABRICS SHALL BE PROTECTED FROM PUNCTURE OR TEARING DURING THE PLACEMENT OR ROCK RIP—RAP.

4. GEOTEXTILE FABRICS SHALL BE PROTECTED FROM PUNCTURE OR TEARING DURING THE PLACEMENT OR ROCK RIP—RAP. 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 REPAIRS OR JOINING TWO (2) PIECES OF FABRIC SHALL BE A MINIMUM OF 21 INCHES.

5. STONE FOR THE RIP—RAP MAY BE PLACED BY COUPMENT AND SHALL BE CONSTRUCTED TO THE FULL LAYER THICKNESS IN ONE OPERATION AND IN SLOT A MANNER AS TO PREVENT SECRECATION OF THE STONE SIZES.

6. RIP—RAP SIZE OF THE RIP—RAP MAY BE PLACED ASSET OF THE STONE SIZES.

6. RIP—RAP SIZE OF THE RIP—RAP MAY BE PLACED TO SECRECATION OF THE STONE SIZES.

MAINTENANCE NOTES:

1. OUTLETS SHALL BE REPAIRED IMMEDIATELY.

2. THE CHANNEL IMMEDIATELY DOWNSTREAM FROM THE OUTLET SHOULD BE CHECKED TO SEE THAT NO EROSION IS OCCURRING.

3. THE CHANNEL IMMEDIATELY DOWNSTREAM FROM THE OUTLET SHOULD BE CHECKED TO SEE THAT NO EROSION IS OCCURRING.

3. THE DOWNSTREAM CHANNEL SHOULD BE KEPT CLEAR OF OBSTRUCTIONS SUCH AS FALLEN TREES, DEBRIS, AND SEDIMENT THAT COULD CHANGE FLOW PATTERNS AND/OR TALKBRIER DEPTHS ON THE PIPES. REPAIRS MUST BE CARRIED OUT IMMEDIATELY TO AVDID ADDITIONAL DAMAGE TO THE OUTLET PROTECTION APPROX.

#### PIPE OUTLET PROTECTION DETAIL

#### **DUST CONTROL PRACTICES:**

- APPLY DUST CONTROL MEASURES AS NECESSARY TO MAINTAIN CONTROL OF DUST ON SITE.
   MATER APPLICATION:
   A) MOSTEN EXPOSED SOL SURFACES PERIODICALLY WITH ADEQUATE WATER TO CONTROL DUST.
   A) AVOID EXCESSIVE APPLICATION OF WATER THAT WOULD RESULT IN MOBILIZING SEDIMENT AND SUBSEQUENT DEPOSITION IN NATURAL WATERBODIES.
   STOKE APPLICATION:
- DEPOSITION IN NATURAL WALKSTUDICS.
  SIGNE APPLICATION.
  A) COVER SURFACE WITH CRUSHED OR COARSE GRAVEL.
  B) IN AREAS NEAR WATERWAYS USE ONLY CHEMICALLY STABILIZED OR WASHED ACCREGATE.
  B) IN AREAS NEAR WATERWAYS USE ONLY CHEMICALLY STABILIZED OR WASHED ACCREGATE.
  REFER TO "NEW HAMPSHIRE STORMWATER WANACENTY MANUAL, VOLUME 3 CONSTRUCTION PHASE EROSION AND SEQUENT CONTROL. DECEMBER 2008" FOR OTHER ALLOWAGE DUST CONTROL. PRACTICES (I.E. COMMERCIAL TACKHER'S OR CHEMICAL TREATMENTS SUCH AS CALCIUM CHLORIDE, ETC.)
- LOCATE STOCKPILES A MINIMUM OF 50-FT. AWAY FROM CONCENTRATED FLOWS OF STORMWATER, DRAINAGE COURSES OR INLETS.
   PROTECT ALL STOCKPILES FROM STORMWATER RUN-ON USING TEMPORARY PERIMETER MEASURES SUCH AS DIVERSIONS, BERMS, SANDBAGS OR OTHER APPROVED PRACTICES.
   STOCKPILES PLANE BE URRAINED BY SEDMENT BARRIERS AS DESCRIBED ON THE PLANS AND IN NHSMM VOL. 3. TO PROTECT WORKHOM OF MATERIAL BEYOND THE IMMEDIATE CONFINES OF THE STOCKPILE.
   IMPLEMENT WIND EROSON CONTROL PRACTICES AS APPROPRIATE ON ALL STOCKPILED MATERIAL.
   PLACE BAGGED MATERIALS ON PALLETS OR UNDERCOVER.

## PROTECTION OF INACTIVE STOCKPILES. 6. INACTIVE SOIL STOCKPILES SHALL BE COVERED WITH ANCHORED TARPS OR PROTECTED WITH SOIL AND DESCRIPTION OF INACTIVE STOCKPILES SHALL BE COVERED WITH ANCHORED TARPS OR PROTECTED WITH SOIL AND DESCRIPTION OF INACTIVE STOCKPILES.

FILE NO. 134 PLAN NO C-2379-S2

DWG NO 16231/S-8

## PROTECTION OF ACTIVE STOCKPILES. 8. ALL STOCKPILES SHALL BE SURROUNDED WITH TEMPORARY LINEAR SCOMENT BARRIERS (LE. SLIT FENGE, ETC.) 8. ALL STOCKPILES SHALL BE SURROUNDED WITH TEMPORARY LINEAR SCOMENT BARRIERS SHALL BE MAINTAINED AT ALL TIMES, AND ADJUSTED AS NEEDED TO ACCOMMODATE THE DELVERY AND REMOVAL OF MATERIAL FROM THE STOCKPILE. THE INTEGRITY OF THE BARRIER SHALL BE INSPECTED AT THE END OF EACH WORKING DAY. WHEN A STORM IS PREDICTED, STOCKPILES SHALL BE PROTECTED WITH AN ANCHORED PROTECTIVE COVERING.

#### PERMANENT VEGETATION:

#### SPECIFICATIONS:

SITE PREPARATION:

1. INSTALL NEEDED EROSION AND SEDIMENT CONTROL MEASURES SUCH AS SILTATION BARRIERS, DIVERSIONS, AND SEDIMENT TRAPS.

2. GRADE AS NEEDED FOR THE ACCESS OF EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCHORING.

3. RUNOFF SHALL BE DIVERTED FROM THE SEEDBED AREA.

4. ON SLOPES 4:10 AS STEEPER, THE FINAL PREPARATION SHALL INCLUDE CREATING HORIZONTAL GROOVES PERPENDICULAR TO THE DIRECTION OF THE SLOPE TO CATCH SEED AND REDUCE DIMENSE.

SEEDBED PERPARATION:

WORK LIME AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 WORK LIME AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 WORK LIME AND SISC, SPRING TOOTH HARROW OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OPERATION SHALL BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLY UNIFORM, FINE SEEDBED IS PREPARED. ALL BUT CLAY AND SILT SOULS SHALL BE ROLLED TO FIRM THE SEEDBED WHEREVER FEASIBLE.

REMOVE FROM THE SURFACE ALL STONES ZINCHES OR ARGER IN ANY DIMENSION. REMOVE AND OTHER UNSUITABLE MATERIAL. CARBLE, FEARLY THE ROLLED CONS, LUMPS, TRASH OF OTHER UNSUITABLE MATERIAL.

INSPECT SEEDBED JUST BEFORE SEEDING. IF TRAFTIC HAS LEFT THE SOIL COMPACTED, THE AREA MUST BE TILLED AND FIRMED AS ABOVE.

WHERE THE SOIL HAS BEEN COMPACTED BY CONSTRUCTION OPERATIONS, LOOSEN SOIL TO A DEPTH OF 2 INCHES BEFORE APPLYING FERTILIZER, LIME AND SEED.

IF APPLICABLE, FERTILIZER AND ORGANIC SOIL AND FIRMED SHALL BE APPLIED DURING THE GROWNO SEARCH. AND FERTILIZER ACCORDING TO SOIL TEST RECOMMENDATIONS. FERTILIZER ASHALL BE RESTRICTED TO LIME, WOOD ASH OR LOW PROSPHATE AND SLOW RELEASE.

NHACE BE RESTRICTED TO LIME, WOOD ASH OR LOW PROSPHATE AND SLOW RELEASE. SHALL BE RESTRICTED TO LIME, SOOD ASH OR LOW PROSPHATE AND SLOW RELEASE. SHALL BE CONSIMILATED. ON SHALL DO KNARDLE SITES, OR WHERE THINKE IS CRITICAL FERTILIZER AND LIMESTONE MAY BE APPLIED AT THE FOLLOWING RATES:

LIMESTONE APPLICATION RATE = 3 TONS/ACRE (138 LB./1,000-SF)\*
\*EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDE

SEEDING.

1. INGOULATE ALL LEQUME SEED WITH THE CORRECT TYPE OF INOCULANT.

2. APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL CULTIPACKER TYPE SEEDER OR HYDROSEEDER (SURRY INCLUDING SEED AND FERTILIZER). NORMAL SEEDING DEPTH IS FROM 1/4 TO 1/2 INCH. HYDROSEEDING THAT INCLUDES MULCH MAY BE LEFT ON SOIL SURFACE.

3. WHERE FLASBILE EXCEPT WHERE EITHER CULTIFACKER TYPE SEEDER OR HYDROSEEDER OR HYDROSEEDING PROPERTIES.

3. WHERE FLASBILE EXCEPT WHERE EITHER CULTIFACKER TYPE SEEDING PROPERTIES.

4. SPRING SEEDING SUJULLY GIVES THE BEST RESULTS FOR ALL SEED MIKES OR WITH LEQUIES. PERMANENT SEEDING DATALL BE COMPLETED 45 DAYS PRIOR TO FIRST MULLIUR FROST. WHEN CROWN VETCH IS SEEDED IN SEEDING AND BE DEPART OF THE SEED SHALL BE HARD SEED (UNSCARPIED). IS SEEDING AND THE DATA OF THE SEED SHALL BE HARD SEED (UNSCARPIED). IS SEEDING AND THE DATA OF THE SEED SHALL BE HARD SEED (UNSCARPIED). IS SEEDING AND THE DATA OF THE SEED SHALL BE HARD SEED (UNSCARPIED). IS SEEDING AND THE DATA OF THE SEED SHALL BE HARD SEED (UNSCARPIED). IS SEEDING FROM THE DATA OF THE SEED SHALL BE HARD SEED (UNSCARPIED). THE TEMPORARY AND PERMANENT RECOMMENDED SEEDING PERIOD.

5. AREAS SEEDER BETWEEN ANY 15 AND AUGUST 15 SHALL BE COVERED WITH HAY OR STRAW MULCH, ACCORDING TO THE "TEMPORARY AND PERMANENT MULCHING" PRACTICE DESCRIBED IN THE INSSAM, VOL. 3.

6. VEGETATED GROWTH COVERING AT LEAST BAS OF THE DISTURBED AREA SHALL BE ACHIEVED PRIOR TO SEPTEMBER 1D. IF THIS CONDITION IS NOT ACHIEVED, MPLEUENT OTHER THE MEMORARY STABILIZATION MEASURES FOR OVER WINTER PROTECTION.

HYDROSEEDING:

1. WHEM HYDROSEEDING (HYDRAULIC APPLICATION), PREPARE THE SEEDBED AS SPECIFIED ABOVE OR BY HAND RAKING TO LOOSEN AND SMOOTH THE SOIL AND REMOVE SURFACE STONES LARGER THAN 2 INCHES IN DIAMETER.

2. SLOPES BUST BE NO STEEPER THAN 2: 1 (2 FEET HORIZONTALLY BY 1 FOOT VERTICALLY). ILIME AND FERTILIZER MAY BE APPLIED SIMULTANEOUSLY WITH THE SEED. THE USE OF FIBER MUCH ON CRITICAL AREAS IS NOT RECOMMENDED (UNLESS IT IS USED TO HOLD STRAW OR HAY). BETTER PROTECTION IS GAINED BY USING STRAW MUCH AND HOLDING IT WITH ADDRESSED AND HOLDING THE AREA OF SOOD FORCE OF WOOD THERE MUCH.

5. SEEDING RATES MUST BE INCREASED BY 10X WHEM HYDROSEEDING.

- MAINTENANCE REQUIREMENTS:

  1. PERMANENT SECIDO AREAS SHALL BE INSPECTED AT LEAST MONTHLY DURING THE COURSE OF CONSTITUTION, INSPECTION, MAINTENANCE AND CORRECTIVE ACTIONS SHALL CONTINUE OF CONSTITUTION OF THE SECIED AREAS SHALL BE MOWED AS REQUIRED TO MAINTAIN A HEALTHY STAND OF VECETATION, MOWING HEIGHT AND PRECIPIED TO MAINTAIN A HEALTHY STAND OF VECETATION, MOWING HEIGHT AND PRECIPIED TO MAINTAIN A HEALTHY STAND OF SEXPOSED ON INSPECTION, AREAS SHALL BE RESERVED TO ACHIEVE FULL STABILIZATION OF EXPOSED ON BOX OF THE SOIL SUPPRECIPIED AND ACTION OF THE SUPPRECIPIED A
- AND AREAS SHALL BE RESEEDED, WITH OTHER TEMPORARY MEASURES (I.E. MULCH, ETC.)
  USED TO PROVIDE EROSION PROTECTION DURING THE PERIOD OF VEGETATION ESTABLISHMENT.

#### PERMANENT VEGETATION SEEDING RECOMMENDATIONS

USE	MIXTURE	SPECIES	LBS./ACRE	LBS./ 1,000-SF
STEEP CUTS AND FILLS, BORROW AND DISPOSAL AREAS	A	TALL FESCUE CREEPING RED FESCUE REDTOP TOTAL	20 20 2 42	0.45 0.45 0.05 0.95
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	A ,	TALL FESCUE CREEPING RED FESCUE REDTOP TOTAL	20 20 2 42	0.45 0.45 0.05 0.95
LIGHTLY USED PARKING LOTS, ODD AREAS, UNUSED LANDS, AND LOW INTENSITY RECREATION SITES	A	TALL FESCUE CREEPING RED FESCUE REDTOP TOTAL	20 20 2 42	0.45 0.45 0.05 0.95
PLAY AREAS AND ATHLETIC FIELDS (TOPSOIL ESSENTIAL FOR GOOD TURF)	F	CREEPING RED FESCUE KENTUCKY BLUEGRASS TOTAL	50 50 100	1.15 1.15 2.30

SOURCES:

1. NEW HAMPSHIRE STORMWATER MANAGEMENT MANUAL, VOLUME 3, TABLES 4-2 AND 4-3

2. MINNICK, E.L. AND H.T. MARSHALL, (AUGUST 1992)

#### CIVIL ENGINEERS

CAREFULLY REVIEW ALL SHEETS OF THIS PACKAGE TO INSURE PROPER CONSTRUCTION. CARRYULLY REVIEW ALL SHEETS OF THIS PACKAGE TO INSURE PROPER CONSTRUCTION.
SPECIFIC SITE CONDITIONS SHOULD BE EXPLORED PRIOR TO CONSTRUCTION. CONTACT
BOTH THE DESIGN ENGINEER AND THE PROJECT OWNER FOR ANY AVAILABLE
GEOTECHNICAL OR HYDROGEOLOGICAL INFORMATION AVAILABLE BUT NOT CONTAINED
WITH IN THE PLAN SET. IF THERE ARE ANY QUESTIONS WITH THE DESIGN PRESENTED
IN THIS PLAN SET PLEASE CONTACT THE ENGINEERING STAFF AT NORWAY PLAINS ASSOCIATES, INC. (603)-335-3948.



5/24/18 PER NHDES AOT RFMI LETTER DATED MAY 21. 2018

#### PROJECT SPECIFIC CONSTRUCTION PHASING: CONSTRUCTION PHASING:

STABILIZATION:

A STEL IS DELIVED STABILIZED WHEN IT IS IN A CONDITION IN WHICH THE SOIL ON A STELL IS DELIVED STABILIZED WHEN IT IS IN A CONDITION IN WHICH THE SOIL ON A STELL IS DELIVED STABILIZED AS CONDITIONS OF EXPORENCE A ACCELERATED OR LUNKATURAL EROSON UNDER THE CONDITIONS OF EXPORENCE AS TORM EVENT, SUCH AS BUT NOT LUMBED TO A MINIMUM OF BSY ACCELTANCE COVER HAS BEEN ESTABILISED:

A MINIMUM OF BSY ACCELTANCE COVER HAS BEEN ESTABLISHED:
A MINIMUM OF 3-MOCIES OF NON-EROSIVE MATERIAL SUCH AS STONE OR A MINIMUM OF 3-MOCIES OF NON-EROSIVE MATERIAL SUCH AS STONE OR A MINIMUM OF 3-MOCIES OF NON-EROSIVE MATERIAL SUCH AS STONE OR A MINIMUM OF 3-MOCIES OF NON-EROSIVE MATERIAL SUCH AS STONE OR A MINIMUM OF 3-MOCIES OF NON-EROSIVE MATERIAL SUCH AS STONE OR A MINIMUM OF 3-MOCIES OF NON-EROSIVE MATERIAL SUCH AS STONE OR A MINIMUM OF 3-MOCIES OF NON-EROSIVE MATERIAL SUCH AS STONE OR A MINIMUM OF STABILIZED AS A MINIMUM OF STABILIZED AS A SHORTER TIME IS SPECIFIED BY LOCAL AUTHORITIES, THE CONSTRUCTION SEQUENCE APPROVED AS PART OF THE ISSUED PERMIT OR AN INDEPENDENT MONITOR.

FERNAMENT OF SECUENCE APPROVED AS PART OF THE ISSUED PERMIT OR AN INDEPENDENT MONITOR.

AS SOON AS PRACTICABLE BUT NO LATER THAN 3 DAYS FOLLOWING FINAL GRADING. AS SOON AS PRACTICABLE BUT NO LATER THAN 3 DAYS FOLLOWING FINAL GRADING. HIS NO CASE EXCEED 5 ARREST OF SHAPE SHAPE OF STABILISMONE:

IN NO CASE EXCEED 5 ARREST AT ANY ONE TIME BEFORE DISTURBED MATE ARE ARE

IN NO CASE EXCEED 5 ARREST NOT 10 BE INSTURBED LARGE AREA ARE

IN NO CASE EXCEED 5 ARREST NOT 10 BE INSTURBED. AND AND AND ARREST AND AND A SIDENTIAL CREATION.

ALL GRADED OR DISTURBED ON SHEET C-3.

ALL GRADED OR DISTURBED OR SHEET C-3.

ALL GRADED OR DISTURBED OR SHEET C-3.

ALL GRADED OR DISTURBED OR SHEET C-3.

A REFER TO THE "GENERAL CONSTRUCTION PHASING" NOTES PRIOR TO COMMENCING CONSTRUCTION IN ACCORDANCE WITH THE FOLLOWING

REFER TO THE "GENERAL CONSTRUCTION PHASSING". NOTES PRIOR TO COMMENSION CONSTRUCTION IN ACCORDANCE WITH THE FOLLOWING PHASING. THE "GENERAL CONSTRUCTION ADDRESSED TO THE OVERALL CONSTRUCTION AND SHALL BE ADDRESSED TO.

INSTALL ALL TEMPORARY SEDIMENT CONTROL BARRIERS (I.E. SILT FERNOE, EROSION CONTROL BARRIERS THE SILT FERNOE, EROSION CONTROL BARRIERS THE SILT FERNOE, EROSION CONTROL BARRIER SILD PRIOR TO PARTIE C.—4. PRIOR TO EARTH MOWING OPERATIONS.

INISTALL ORANGE SNOW PERCE AROUND THE PREMITER OF THE INFILTATION BASINS AND THE FENCE SHALL REAMIN IN PLACE UNTIL CONSTRUCTION OF THE BASINS AND THE FENCE SHALL REAMIN IN PLACE UNTIL CONSTRUCTION OF THE BASINS AND THE FENCE SHALL REAMIN IN PLACE UNTIL CONSTRUCTION OF THE BASINS AND THE FENCE SHALL REAMIN IN PLACE UNTIL CONSTRUCTION OF THE BASINS AND THE FENCE SHALL REAMIN IN PLACE UNTIL CONSTRUCTION OF THE BASINS AND THE FENCE SHALL REAMIN IN PLACE UNTIL CONSTRUCTION OF THE RESIDENCE SHALL REAMIN THE STRUCTURE OF THE INFINITY OF THE PROPOSED DEPOSED OF OFF-STE IN ACCORDANCE WITH STATE AND LOCAL REQUILATIONS.

INSTALL A TEMPORARY CONSTRUCTION EXIT AT THE LOCATION OF THE PROPOSED DEPOSED AND THE THE PROPOSED DEPOSED AND THE THE PROPOSED DEPOSED AND THE STRUCTURE OF THE PROPOSED DEPOSED AND THE THE PROPOSED DEPOSED AND CUT MATERIAL TO BE REUSED ON SITE IN AN EXPROPORTIES TO CONTINUE THE "SOIL STOCKPILES PRACTICES." MAINTAIN THE STOCKPILES AS DIRECTED IN THE "SOIL STOCKPILES PRACTICES." MAINTAIN THE STOCKPILES AS DIRECTED IN THE "SOIL STOCKPILE PRACTICES." MAINTAIN THE STOCKPILES AS DIRECTED IN THE "SOIL STOCKPILE PRACTICES." MAINTAIN THE STOCKPILES AS DIRECTED IN THE "SOIL STOCKPILE PRACTICES." MAINTAIN THE STOCKPILES AS DIRECTED IN THE "SOIL STOCKPILE PRACTICES." AND THAT AND THE PROPOSED DEPOSED AND THE PROPOSED DEPOSE

ACCORDANCE WITH THE INFLIRATION/BIOMETENTION BASIN DETAILS SHOwn ON SHEEL C.—5.

PERFORM THE NECESSARY LOUIS AND FILLS TO CONSTRUCT THE INFLIRATION BASIN AS DEPICTED ON SHEET C.—3. AND IN ACCORDANCE WITH THE INFLIRATION BASIN DETAILS SHOWN ON THE STORES AND CONSTRUCT THE GRAVE. METAINDS BASIN LOUIS FORESON AND CONTRUCT HE GRAVE WITH AND SHOWN CONTROL TO THE STORESON AND CONTROL THE STORESON A

BASIN AS DIRECTED IN THE INFILITATION BASIN DETAILS PROPES OF THE
BASIN AS DIRECTED IN THE INFILITATION BASIN DETAILS.

10. ALL DITCHES/SWALES/AND BASINS SHALL BE STABILIZED PRIOR TO
DIRECTING RUNOFF TO THEM. SAND FILLS TO SUBGRADE IN THE BUILDING
AND FARM DEPART CACHET TO SEX MAXIMUM PROCTOR DENSITY.

12. AS SUBGRADE IS ACHIEVED INSTALL REQUIRED FILLS IN MAXIMUM 8-INCH
ARRIVEDS WITHIN THE SITE (LE. ADDITIONAL SILT FERCE, CHECK DAMS AND
SEDIMENT CONTROLS AND CATCH BASINS, ETC.).

13. INSTALL ALL UTILITIES AND CLOSED DERAINGE SYSTEM COMPONENTS (I.E.
PIPE CULVERTS) PER THE CORRESPONDING DETAILS AND AS SHOWN ON
SHEET CG. 3 AND CG. AS EACH STRUCTURE IS COMPLETED INSTALL THE
CORRESPONDING.

INCHES IN THICKNESS. THE CONTRACTOR SHALL REVIEW THE PROJECT GEOTECHNICAL REPORT AND/OR THE "PROJECT SPECIFIC PHASING NOTES" FOR SECONG GUIDANCE.

15. MACHINEL REPORT AND/OR THE "PROJECT SPECIFIC PHASING NOTES" FOR SECONG GUIDANCE.

15. MACHINEL REPORT OF THE LIFT BEING INSTALLED). LOSS, STUMPS, BUILDING DEBIRS, FROZEN MATERIAL AND OTHER OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY LIFTS.

16. FROZEN MATERIAL OR SOFT, MUCKY OR HIGHLY COMPRESSBLE (J.E. CLAY, SILT) MATERIALS ARE SUSCEPTIBLE TO ACCELERATE STITLEMENT AND POTENTIAL ACCELERATED RESIDENCY AND ACCELERATED RESIDENCY AND ACCELERATED RESIDENT AND ACCELERATED RESI

PIPE CULVERTS) PER THE CORRESPONDING DETAILS. AND AS SHOWN ON SHEET C.S. AND C.S. AS EACH STRUCTURE IS COMPILETED INSTALL THE CORRESPONDING WITH TRAINOR BASINS AND QUITET PROTECTION. LOAM SEED AND MULCH THE SIDE SLOPES OF THE BASIN AS DIRECTED IN THE INFILITATION BASIN DETAILS AND TEMPORARY SEDIMENT CONTROL BARRIER DEPICTED ON SHEET. CLT. SHOW LAWN AREAS NOT TO BE PAVED SHALL BE SHOWN THE SHOWN AND STABLUZATION AS DESCRIBED UNDER THE "PERMANENT VECETATION AND STABLUZATION AS DESCRIBED UNDER THE "PERMANENT VECETATION AND STABLUZATION AS DESCRIBED UNDER THE "PERMANENT VECETATION PRACTICES." WITHIN 3 DAYS OF ACHIEVING FIRM. GRADE.

16. INSTALL ALL GRAVEL BASE AND GRUSHED GRAVEL MATERIALS FOR THE PAVED AREA AS SPECIFIED IN THE CORRESPONDING DETAILS.

17. THE PAVED AREA SHALL BE STABLUZED CONTROL GRAVEL BASE.

18. INSTALL PRAVELENT SURFACES AS SOON AS POSSIBLE AFTER THE INSTALLATION OF THE GRAVEL BASE GRAVEL IN GROVE IN THE CORRESPONDING DETAILS. WITH THE SOIL EROSION AND POLLUTION OF THE GRAVEL MATERIALS WITH ORGANIC MATERIALS. IN NO CASE SHALL AREA STO DE PAVED BE LEFT OR THE GRAVEL BASE SHALL BE STABLUZED AS SOON AS POSSIBLE AFTER THE INSTALLATION OF THE GRAVEL BASE BLEFT OR SHALL BE STABLUZED AS SOON AS POSSIBLE OF THE ORGANIC MATERIALS. IN NO CASE SHALL AREA STO DE PAVED BE LEFT OR CONTROL FROM SHALL BE STABLUZED AS SOON AS POSSIBLE FOR LONGER THAN 21 DAYS. IF NECESSARY TEMPORARY STABILIZED FOR LONGER THAN 21 DAYS. IF NECESSARY TEMPORARY STABILIZATION MEASURES AS DISCUSSED IN THE CEREAL CONSTRUCTION PHASING MOTES' AND INSIMM, VOL. 3 SHOULD BE EMPLOYED.

MAINTENANCE AS STABLUSED AND STORMWATER MANAGEMENT PRACTICES SHOULD BE INSPECTED WERELY, AFTER EVERY 1/21 INCH OF RANAMENT SEDIMENT, EROSON CONTROL NOT STORMWATER MANAGEMENT PRACTICES SHOULD BE EMPLOYED.

MAINTENANCE OF STRUCTURED THE SCHOOLS DEFOUNDED IN THE CETALS FOR EACH PRACTICE. SECOND THE PRACTICES SHOULD BE EMPLOYED.

METALL FOR OWN CONTROL AND STORMWATER MANAGEMENT PRACTICES SHOULD BE EASE ORDER. THE SECOND STORMWATER MANAGEMENT PRACTICES SHOULD BE EASE

PRACTICATED TEMPORARY AND PERMANENT SEDIMENT, EROSION CONTROL
AND STORNWATER MANAGEMENT PRACTICES SHOULD BE REPAIRED OR
REPLACED MEDIATELY UPON NOTICE.
SEDIMENT SHALL BE DISPOSED OF PROPERLY EITHER ON SITE OR OFF SITE.

REPLACED IMMEDIATELY OF THE PROPERTY EITHER ON SHE UNDER THE PROPERTY SHALE BE DEPOSED OF PROPERTY EITHER ON SHE UNDER THE SHE IS DEEMED STABILIZED SHE IS DEEMED SHE IS

#### WINTER STABILIZATION & CONSTRUCTION PRACTICES:

MAINTENANCE REQUIREMENTS.

1. MAINTENANCE MEASURES SHALL BE PERFORMED THROUGHOUT CONSTRUCTION, INCLUDING OWER THE WINTER PERIOD. AFTER EACH RAINFALL, SHOWSTORM, OR PERIOD OF THAWING AND RUNOFF, THE SITE CONTRACTOR SHALL CONDUCT INSPECTION OF ALL INSTALLED EROSION CONTROL PRACTICES AND PERFORM KEPAIRS AS REEDED TO INSURE THEIR FOR A PRACTICES AND PERFORM KEPAIRS AS REEDED TO INSURE THEIR FOR THE WARRES ASTAINLED RESEARCH TO THE OWNEST OF THE WINTER SEASON, THE CONTRACTOR SHALL CONDUCT AN INSPECTION IN THE SPRING TO ASCENTAN THE CONDUCTOR OF THE WINTER SEASON, THE CONTRACTOR SHALL CONDUCT AN INSPECTION IN THE SPRING TO ASCENTAN THE CONDUCTOR OF THE WEGETAND AND REPAIR ANY DAMAGED AREAS OR BARE SPOTS AND RESSED AS REQUIRED TO ACHIEVE AN ESTRUBLISHED VECTATIVE COVER (AT LEAST 85% OF AREA VECETATED WITH HEALTHY, MIGOROUS GROWTH.)

SPECIFICATIONS:
THE FOLLOWING STABILIZATION TECHNIQUES SHALL BE EMPLOYED DURING THE

SPECIFICATIONS.

THE FOLLOWING STABILIZATION TECHNIQUES SHALL BE EMPLOYED DURING THE PERIOD FROM OCTOBER IS THROUGH MAY 1. (EN-MIN 1505.03) TO 11-AGEE.

HE AREA OF PROTECTED AGAINST EROSION BY THE WETHOOS DISCUSSED IN HISMAN, VOL. 3 AND ELSEWHERE IN THIS PLAN SET, PRIOR TO ANY THAW OR SPRING MEIL TEVENT.

STABILIZATION AS FOLLOWS SHALL BE COMPLETED WITHIN A DAY OF ESTABLISHING THE ARBOR THAT IS FIRM. OR THAT OTHERWISE WILL EMST FOR MORE THAN 5 DAYS.

A. S. PERSON MEIL TEVENT.

STABILIZATION AS FOLLOWS SHALL BE COMPLETED WITHIN A DAY OF ESTABLISHING THE GRADE THAT IS FIRM. OR THAT OTHERWISE WILL EMST FOR MORE THAN 5 DAYS.

A. S. PERSON WESTATIVE DAREAS THAT DO NOT EXRIT A MINIMUM OF SITURBED AFTER OCTOBER 1S, SHALL BE STABILIZED BY SEEDING AND INSTALLINE FROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER AGRE AND NETTHON SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN GROUN AND SHALL BE COMPLETED IN ADVANCE OF THAW OR FROZEN GROUN AND SHALL BE COMPLETED IN ADVANCE OF THAW OR BALL BE STEAD OF 1535 OR 5 DAYS OF 1535 OR SHALL BE STEAD OF 1535 OR SHALL BE STEAD OF 1535 OR SHALL BE SEED AND COVERED WITH A PROPERLY WISTALLED AND ANCHORED PROSED NOT GROWN THE YOUT OF 15, OR THAT A MINIMUM OF 85X YECETATIVE GROWTH BY OCTOBER 15, OR THAT A MINIMUM OF 85X YECETATIVE GROWTH BY OCTOBER 15, OR THAT A MEN BEDISTURBED AFTER OCTOBER 15, SHALL BE SEEDED AND COVERED WITH A PROPERLY WISTALLED AND ANCHORED HAY MINIFELD OF PERSON CONTROL BLANKER OR WITH AT LEAST 4 INCOMES OF PROSED NOT ROTHER BLANKER OR WITH AT LEAST 4 INCOMES.

ANCHORED ENGSON CONTROL BLANKET OF WITH AT LEAST 4. INCHES OF EROSION CONTROL MIX MEETING THE CRITERIA OF ERN-WO 1506 05 (B).

C. ANCHORED HAY MULCH OR EROSION CONTROL MILX THAT MEETS THE CRITERIA OF ENV-WO 1506,05(B) SHALL NOT BE INSTALLED OVER SNOW GEATER THAN ONE INCH IN DEPTH. COLD OVER SNOW OF ENCOSION CONTROL BLANKETS SHALL NOT GROVEN OVER SNOW OF ENCOSION CONTROL BLANKETS SHALL ROT ROZEN GROUND.

3. ALL STOME COVERDE SLOPES MUST BE CONSTRUCTED AND STABILIZED BY SEPTEMBER WITHIN 24 HOURS OF STOCKPLING SOIL MATERIALS SHALL BE MULCHED FOR OVER WITHER PROTECTION WITH HAY OR STRAW AT TIMEE THE NORMAL RATE OR WITH A 4 INCH LAYER OF EROSION CONTROL MIX. MULCH SHALL BE RESTABLISHED PRICE TO ANY RANG OF SNOWALL NO SOIL STOCKPLIES SHALL BE TOCKPLIED TO ANY RANG OF SNOWALL NO SOIL STOCKPLIES SHALL BE STOCKPLIED SEPARATELY AND IN A LOCATION AWAY FROM ANY SHAR NEEDING PROTECTION. FOR COMMENTAL STOCKPLIES CAN MELT IN SPRING AND BECOME UNWORKABLE AND DIFFICULT TO TRANSPORT DUE TO HAY SOIL MONORKABLE AND DIFFICULT TO TRANSPORT DUE TO HAY SOIL MONORKABLE AND DIFFICULT TO TRANSPORT DUE TO HAY SOIL MONORKABLE AND DIFFICULT TO TRANSPORT DUE TO HOR SOIL MONORKABLE AND DIFFICULT TO TRANSPORT DUE TO HAY SOIL MICH CONTINUE CONTINUE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS HALL BE STOCKPLEED THE MONORKABLE AND DIFFICULT TO TRANSPORT DUE TO HAY SOIL MONORKABLE AND DIFFICULT TO TRANSPORT DUE TO HAY SOIL MONORKABLE AND DIFFICULT TO TRANSPORT DUE TO HAY SOIL MONORKABLE AND DIFFICULT TO TRANSPORT DUE TO HAY SOIL MONORKABLE AND DIFFICULT TO TRANSPORT DUE TO HAY SOIL MONORKABLE AND DIFFICULT TO TRANSPORT DUE TO HAY SOIL MONORKABLE AND DIFFICULT TO TRANSPORT DUE TO HAY SOIL MONORKABLE AND DIFFICULT TO TRANSPORT DUE TO HAY SOIL MONORKABLE AND DIFFICULT TO TRANSPORT DUE TO HAY SOIL MONORKABLE AND DIFFICULT TO TRANSPORT DUE TO HAY SOIL MONORKABLE AND DIFFICULT TO TRANSPORT DUE TO HAY SOIL MONORKABLE AND DIFFICULT TO TRANSPORT DUE TO HAY SOIL MONORKABLE AND DIFFICULT TO TRANSPORT DUE TO HAY SOIL MONORKABLE AND

PERMANENT EROSION AND SEDIMENTATION CONTROL TAX MAP 259, LOT 38 FLAGG ROAD ROCHESTER, NH PREPARED FOR: 119 FLAGG ROAD DEVELOPMENT, LLC.

MAY 2016

FINISHED GRADING.

3. THE PROJECT SHALL BE CONSTRUCTED TO MEET ALL REQUIREMENTS AND INTENT OF RSA 430:53 AND CHAPTER ARG 3800 RELATIVE TO INVASIVE SPECIES.

1. LOT DEVELOPMENT, OTHER THAN SHOWN ON THE APPROVED PLANS, SHALL NOT COMMENCE UNTIL AFTER THE ROADWAY HAS THE BASE COURSE TO DESIGN ELEVATION AND THE ASSOCIATED DRAINAGE IS COMPLETE AND STABLE.

ABOVE NOTES EXCERPTED, ADAPTED AND REFERENCED FROM "NEW HAMPSHIRE STORMWATER MANAGEMENT MANUAL, VOLUME 3 CONSTRUCTION PHASE EROSION AND SEDIMENT CONTROLS, DECEMBER 2008" (NHSMM, VOL. 3)