# PROPOSED 16 LOT SUBDIVISION

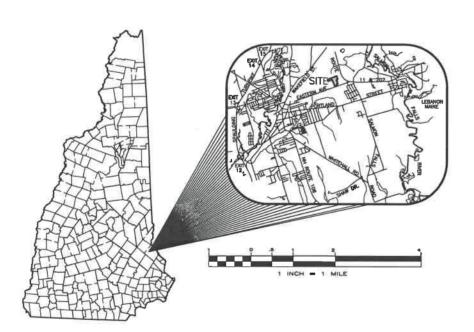
# FREEDOM DRIVE

PREPARED FOR

# GOLDEN OAKS DEVELOPMENT, LLC MARCH 2020

REVISED MAY 4, 2021

TM110 LT101 0





#### CIVIL ENGINEERS

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

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

#### DEVELOPER

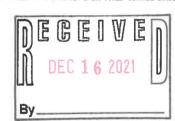
GOLDEN OAKS DEVELOPMENT, LLC 35 JENKINS ROAD LEE, NH 03861

479 TOVAR DRIVE

**Northern Black Racer** 







### SHEET INDEX

ı	l	COVER	AS	SHOWN
ı	S-1	OVERALL SUBDIVISION PLAN	1"	= 80'
ı	S-2	SUBDIMISION PLAN	1"	= 50'
ı	S-3	COVER OVERALL SUBDIVISION PLAN SUBDIVISION PLAN EASEMENT PLAN	AS	SHOWN
ı	S-4	EASEMENT PLAN TOPOGRAPHIC SUBDIVISION PLAN EXISTING FEATURES PLAN ROAD PLAN & PROFILE UTILITY PLAN AND PROFILES DOAD CERNING MIC PROFILES	1"	= 50'
ı	E-1	EXISTING FEATURES PLAN	1"	= 80'
ı	C-1	ROAD PLAN & PROFILE	1"	= 50'
ı	C-2	UTILITY PLAN AND PROFILES	1"	= 50'
ı	C-3A	ROAD GRADING AND DRAINAGE PLAN	1"	= 50'
I		AND PROFILES PHASE I		
ı	C-3B	LOT GRADING AND DRAINAGE PLAN	1"	= 50'
ı	C-4	PHASE II EROSION & SEDIMENTATION CONTOL		ro!
ı				
ı		ROADWAY DETAILS UTILITY DETAILS	AS	SHOWN
ı	C-6	UTILITY DETAILS	A\$	SHOWN
ı	C-7	SEWER FORCE MAIN DETAILS	AS	SHOWN
ı	C-8	UTILITY DETAILS SEWER FORCE MAIN DETAILS DRAINAGE DETAILS UNE TRAINED BASIN BLAN & BROCKE	AS.	SHOWN
ı	C-9	INFILTRATION BASIN PLAN & PROFILE	A\$	SHOWN
I	C-10	INFILTRATION BASIN DETAILS	AS	SHOWN
ı		AND SILT SOCK & EARTH BERM DETAIL		
I	C-11	TEMPORARY EROSION & SEDIMENTATION		
ı		CONTROL DETAILS	AS	SHOWN
1	C-12	PERMANENT EROSION & SEDIMENTATION		
1	I			

OWNER

ARTHUR TAYLOR, LLC SAN JOSE, CA 95123

FINAL APPROVAL BY ROCHESTER PLANNING BOARD

NPDES PERMITS ARE ONLY REQUIRED FOR PROJECTS MEETING TO CRITERIA BELOW <u>AND</u>, HANNIG A POINT SOURCE STORMWATER DIS STIE TO AN ADJACENT WETLAND OR WATER BODY (J.E. CLIVERT 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

**OVERALL SITE** 

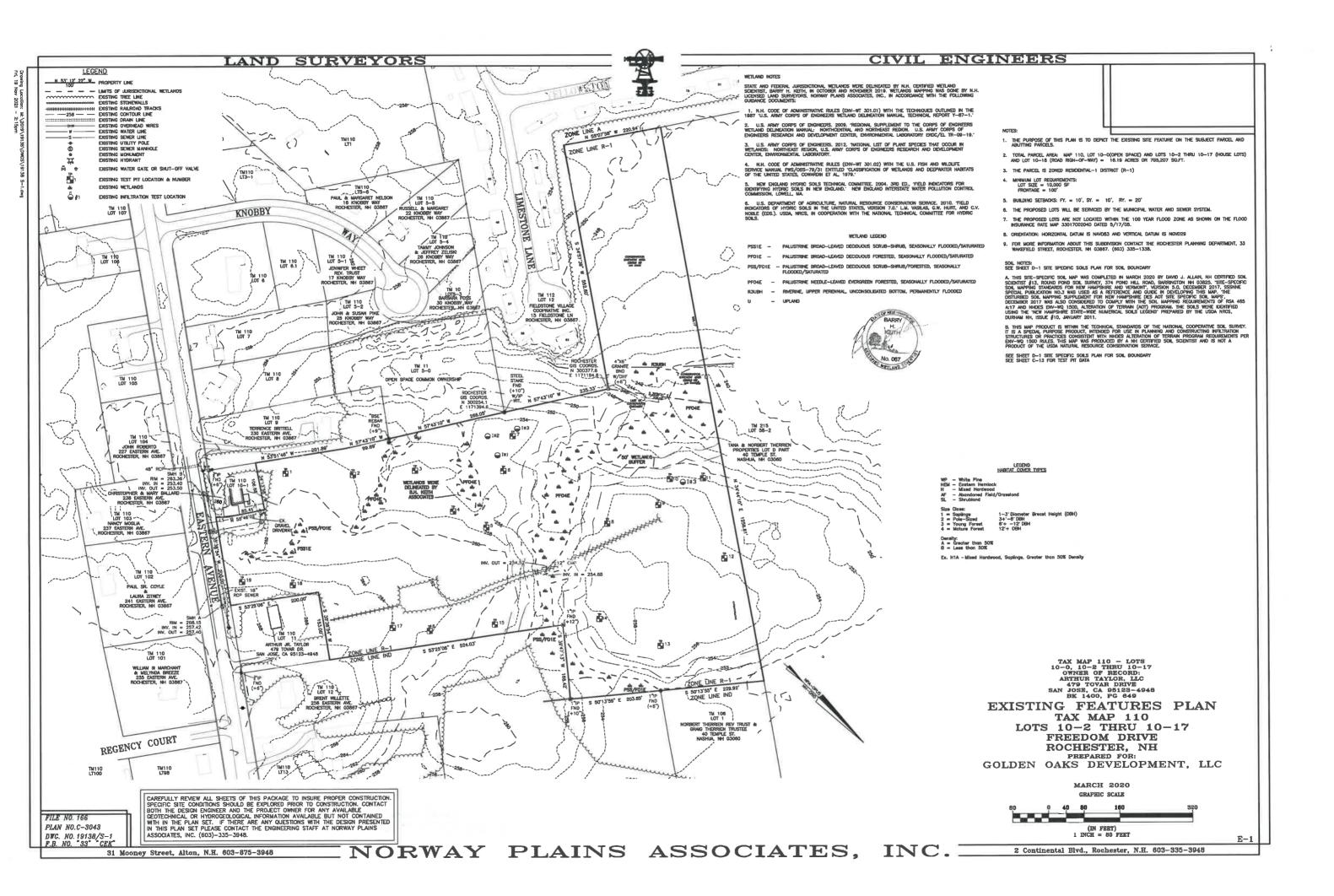
CERTIFIED BY: Shawaf Sweets DATE: 2.10:22 Pen April 20, 2021 PB Making

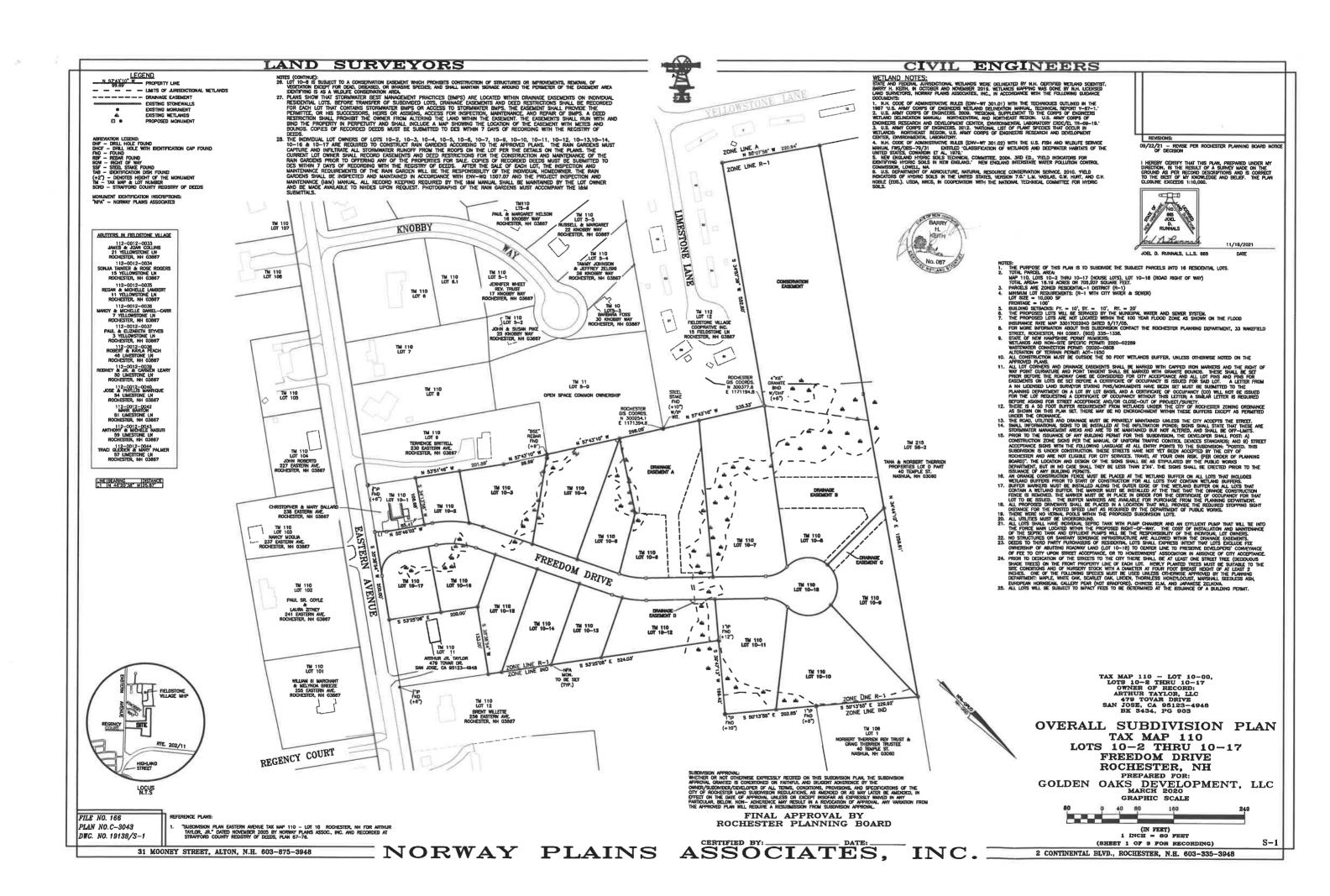
PLAN NO.C-3043 DWG. NO. 19138/S-1 F.B. NO. "33" "CEK"

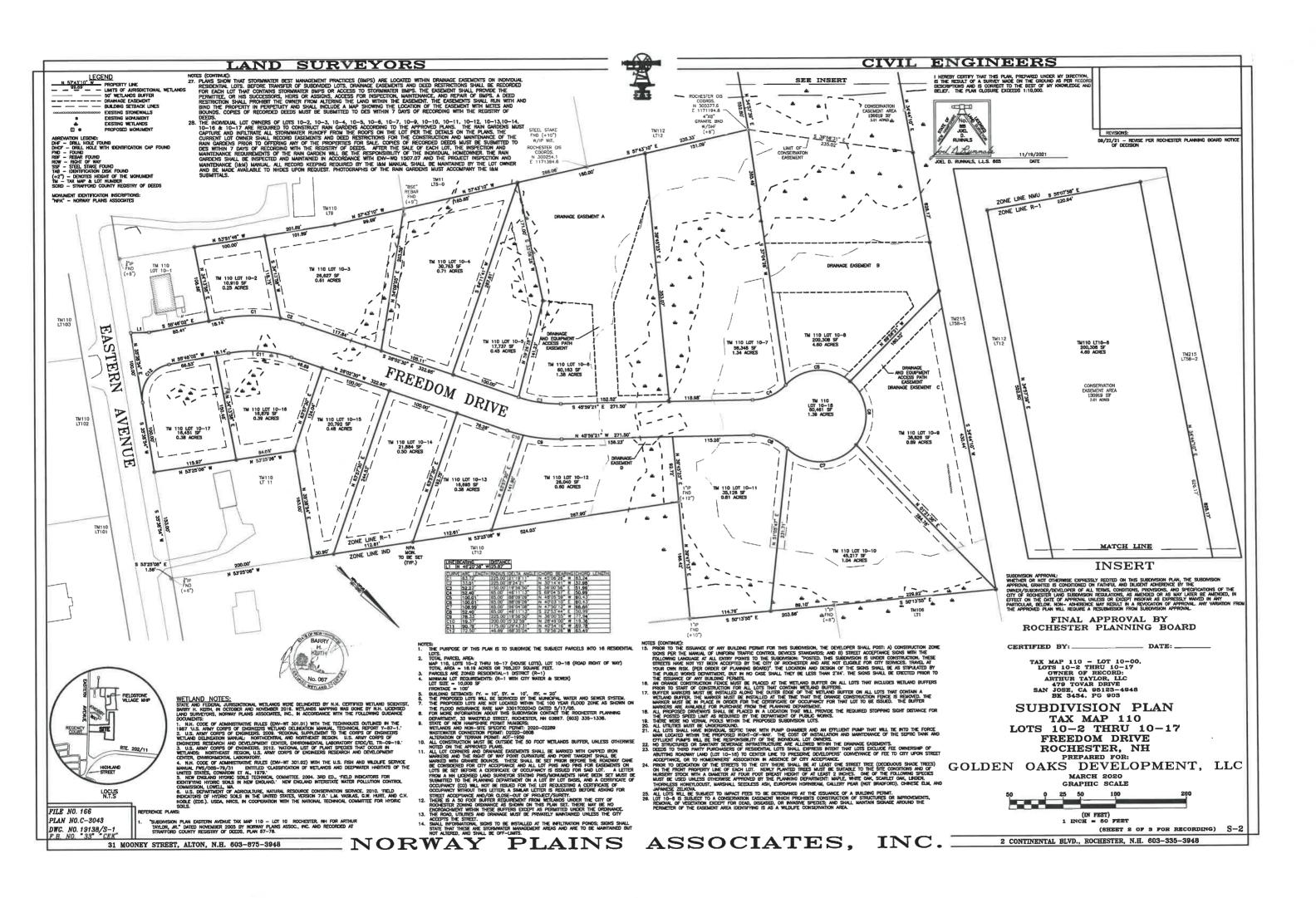
FILE NO. 166

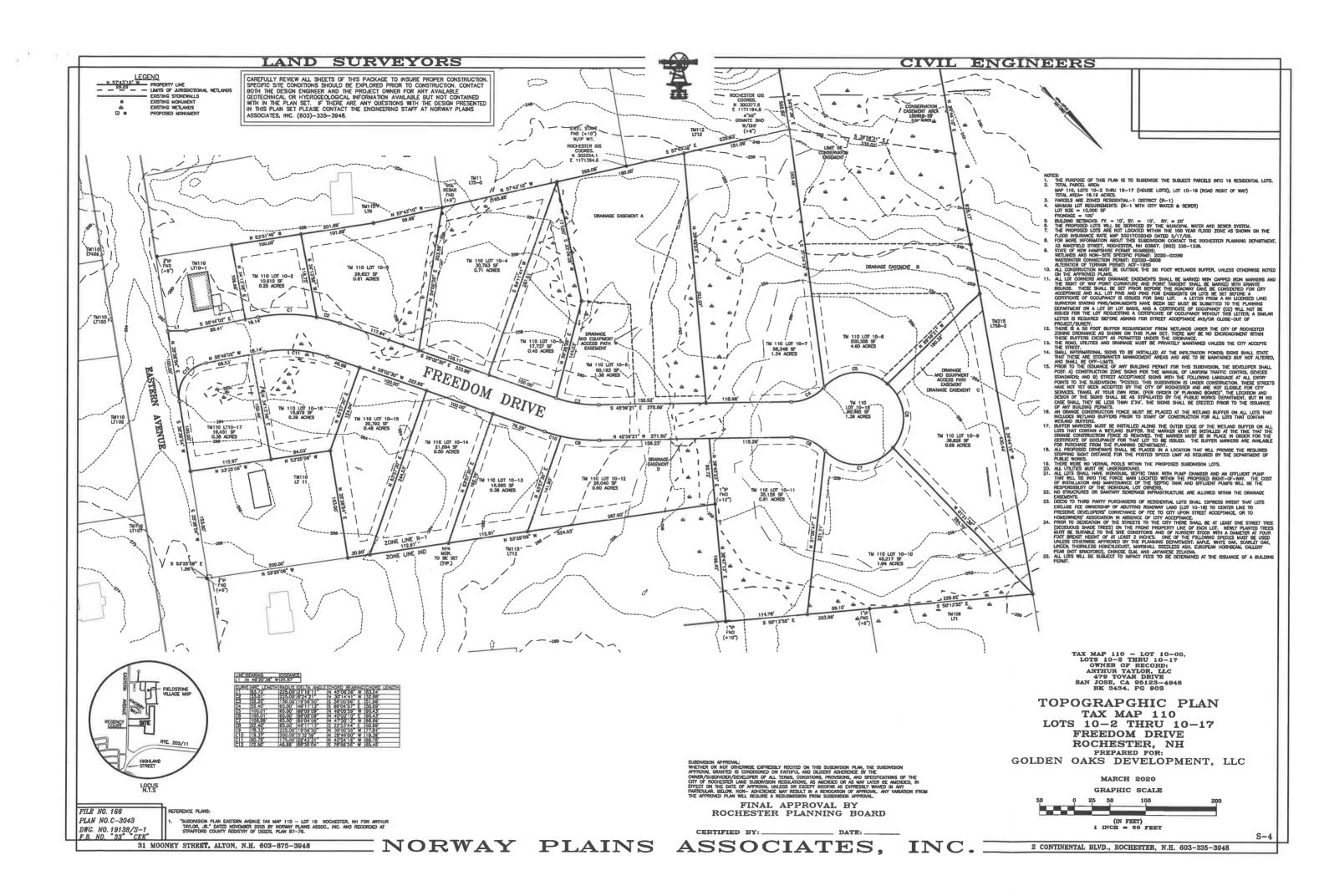
NORWAY PLAINS ASSOCIATES, INC. =

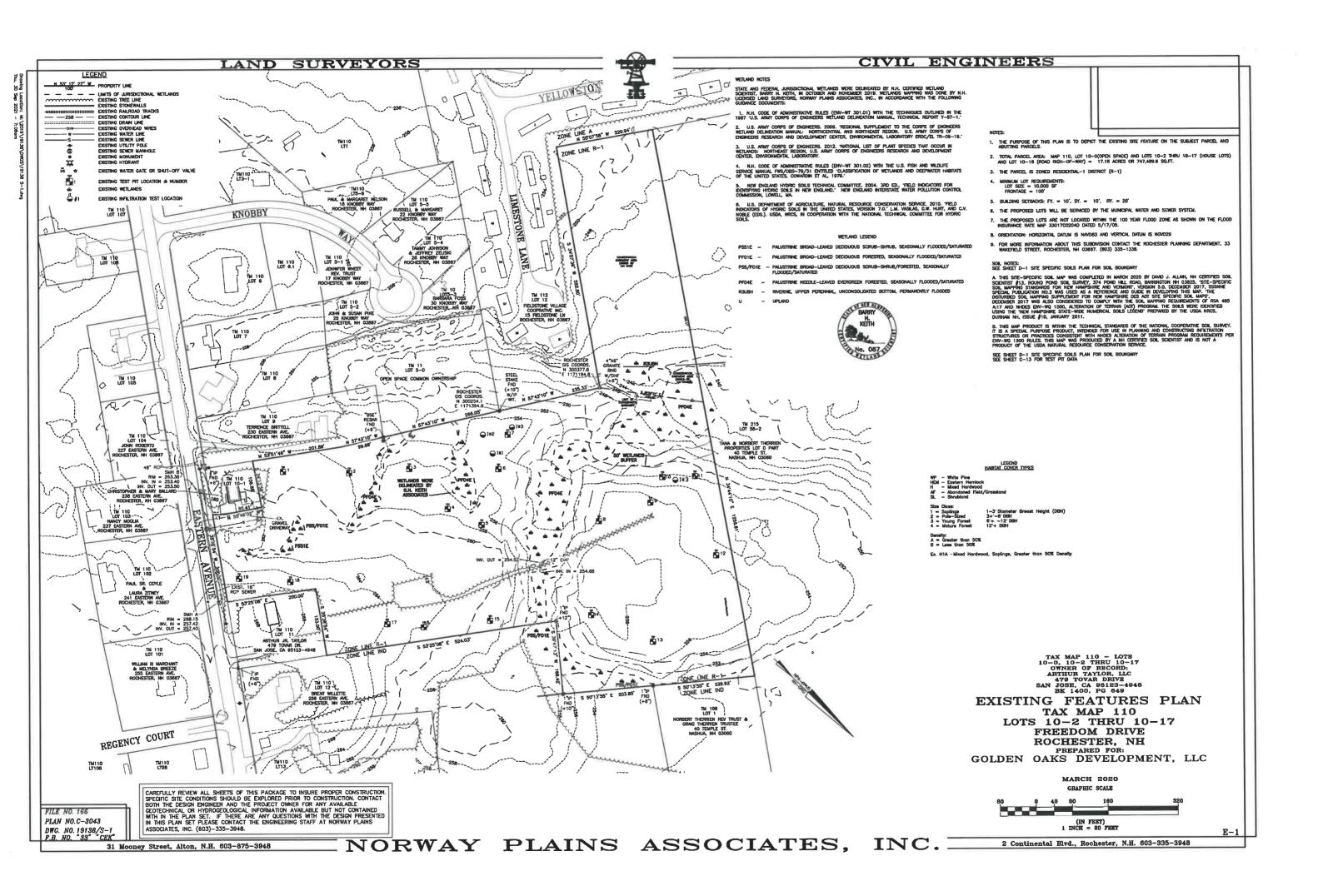
CONTROL DETAILS

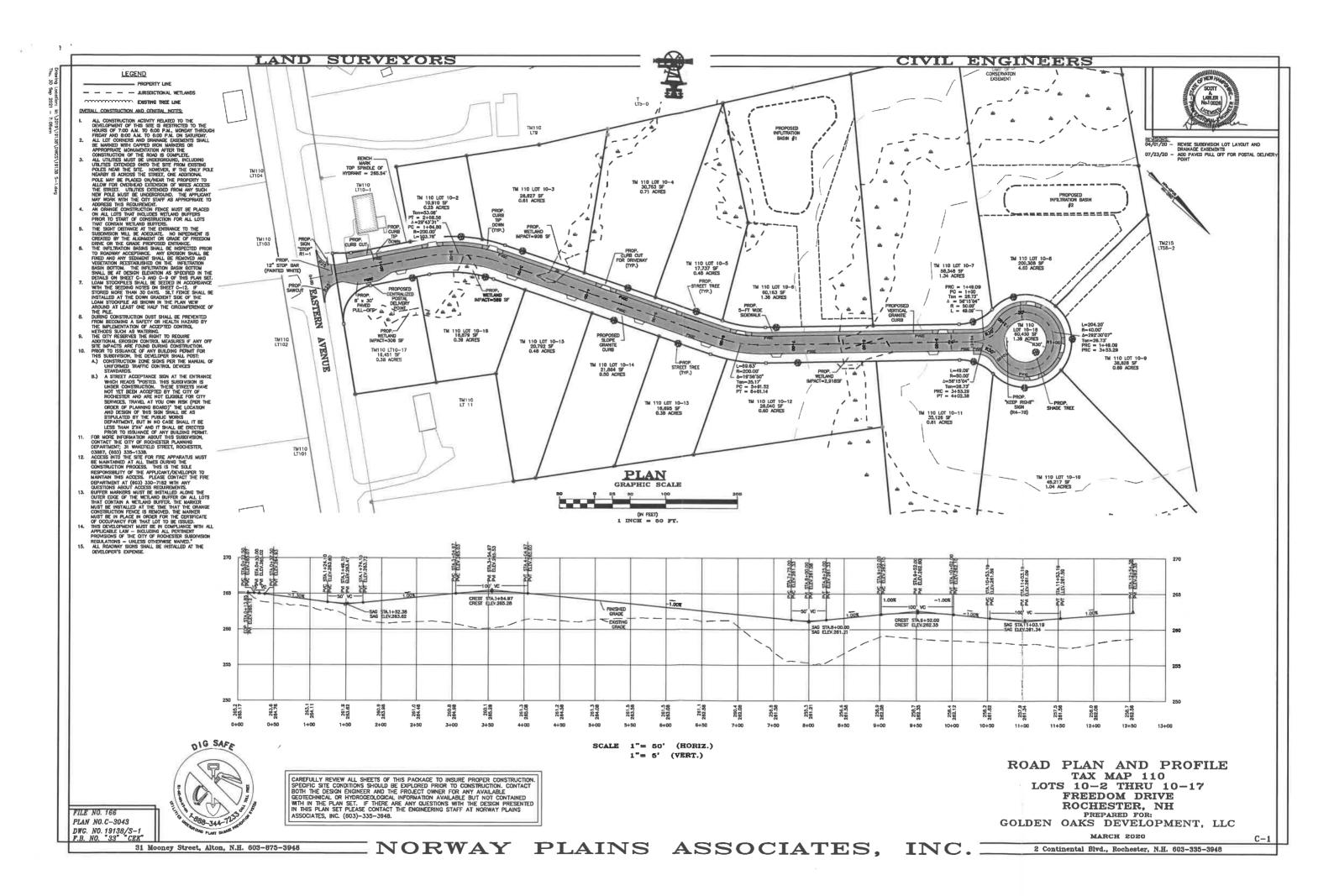


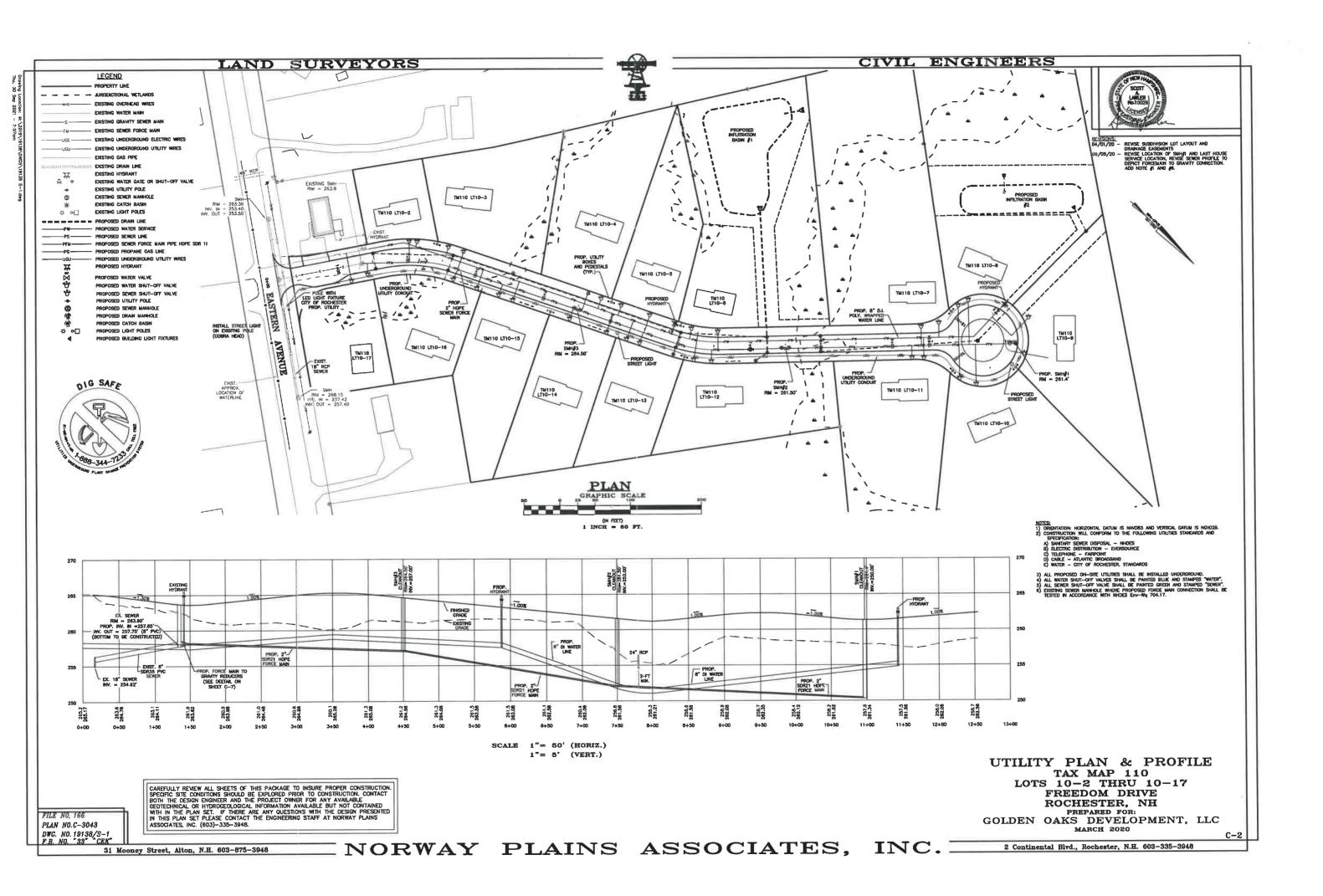


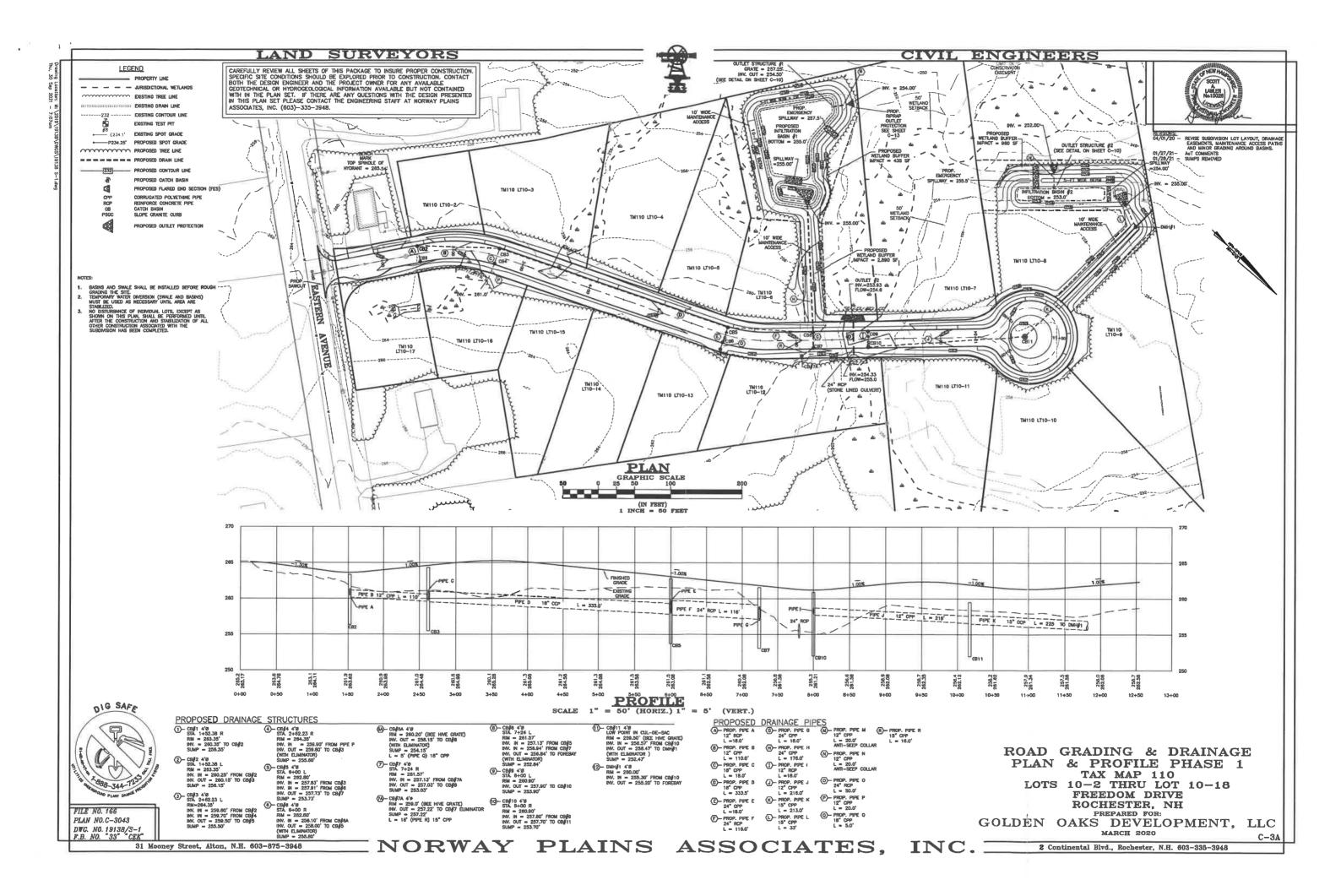


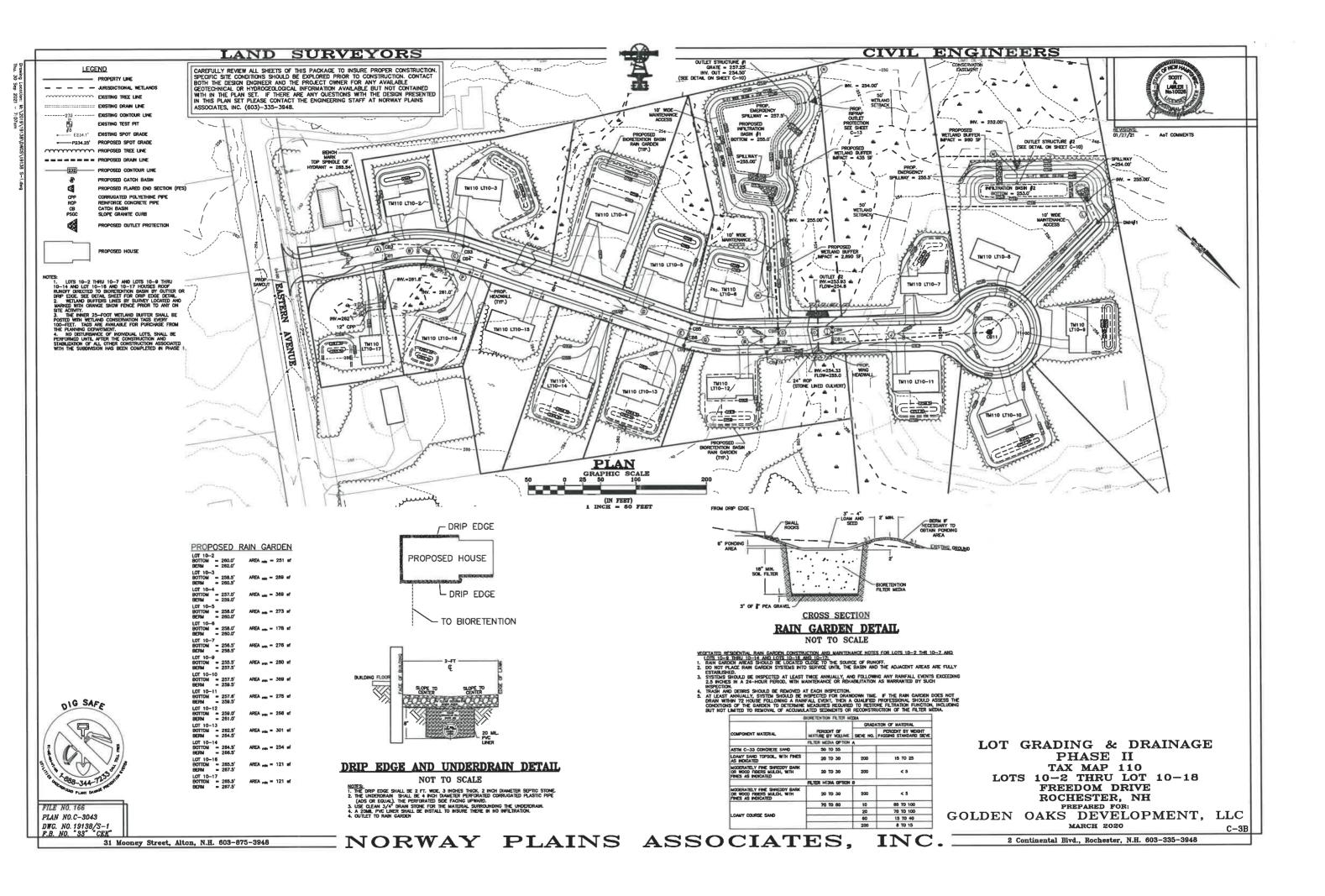


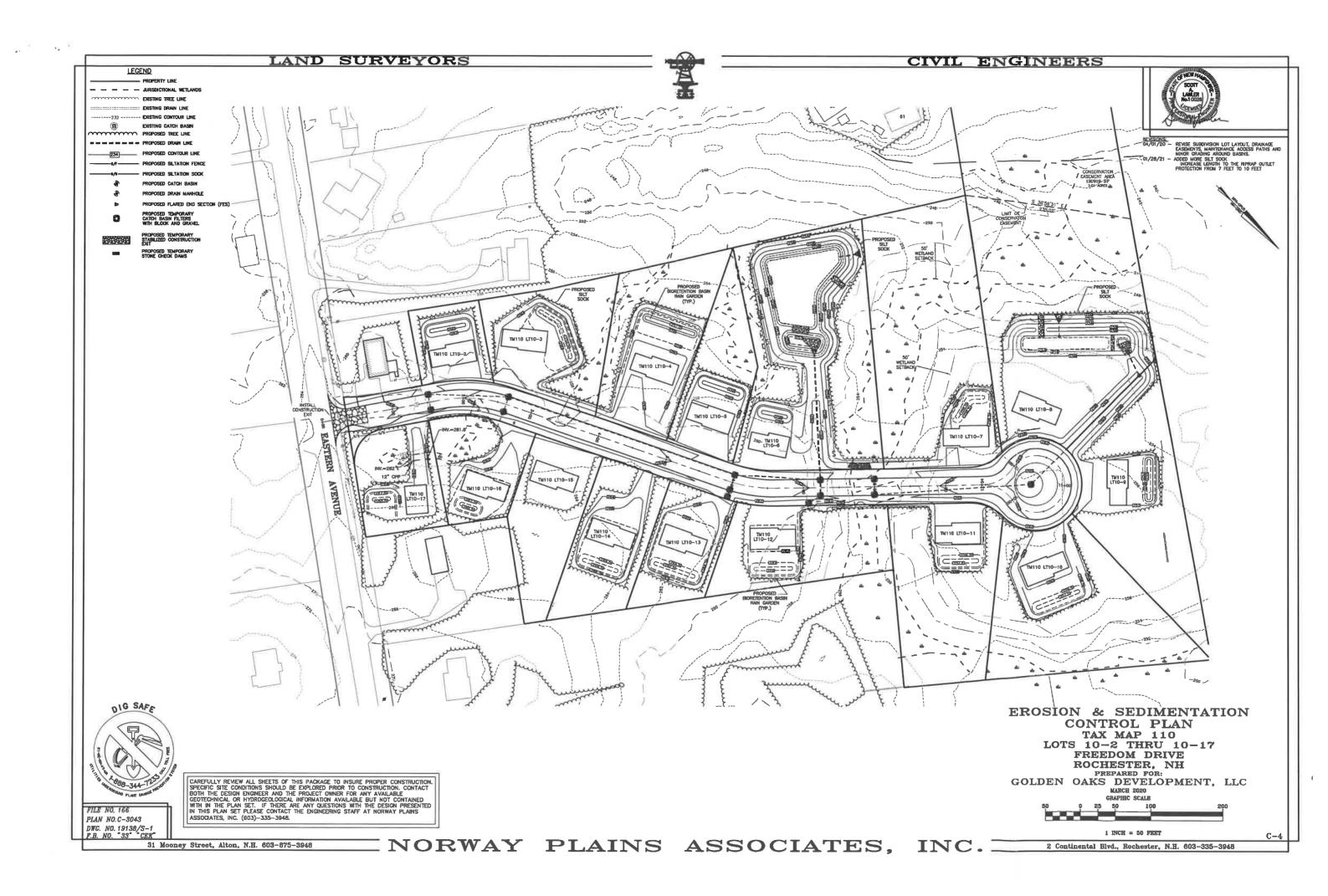


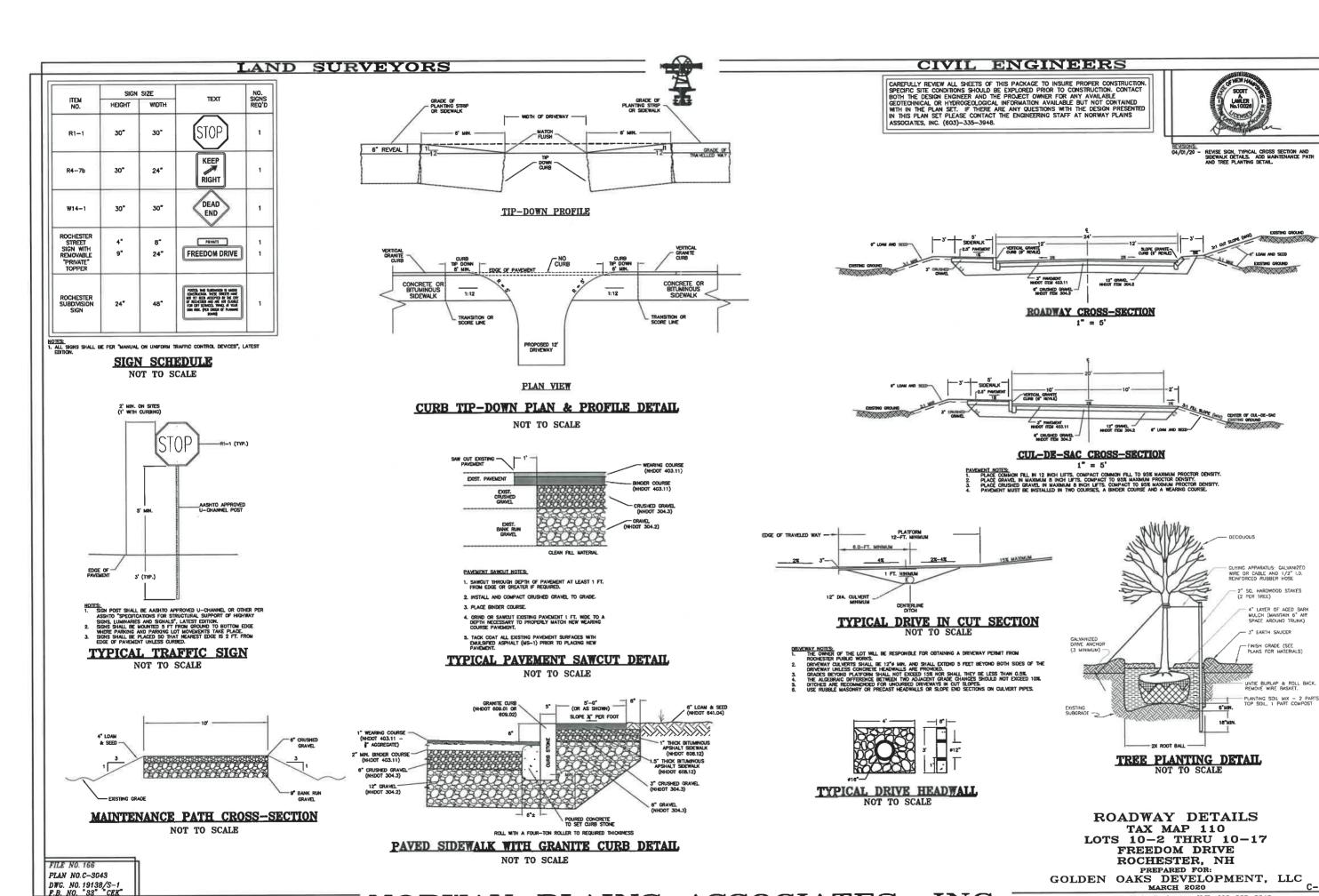






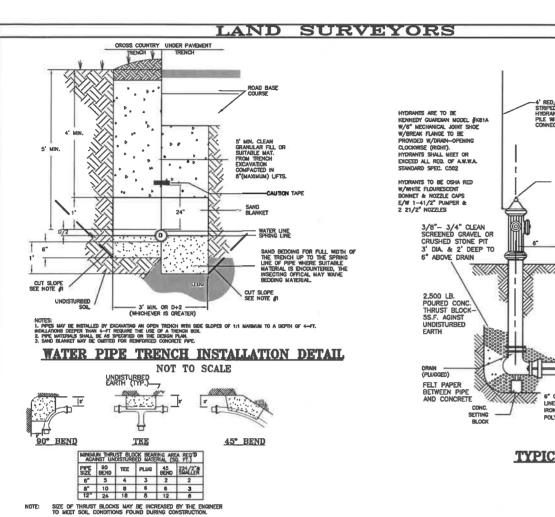


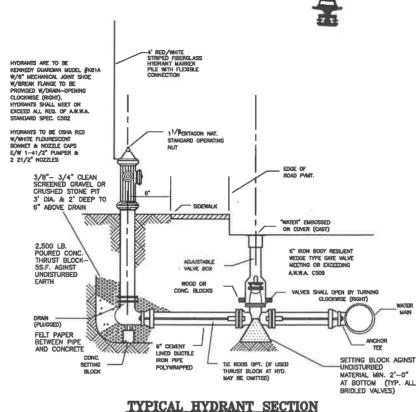




31 Mooney Street, Alton, N.H. 603-875-3948

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





NOT TO SCALE

BALL VALVE CURB STOR

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

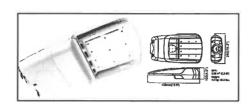
WATER MAIN CONNECTION NOT TO SCALE

VALVES SHALL OPEN BY TURNING CLOCKWISE (RIGHT)

#### 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 GEOTECHICAL 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.





#### CITY OF ROCHESTER LIGHT FIXTURE

NOT TO SCALE

- PROPOSED COBRA HEAD LIGHT SHALL BE MOUNTED ON THE PROPOSED UTILITY POLE AT THE ENTRANCE OF THE PROPOSED ROADWAY. COORDINATE INSTALLATION WITH EVERSOLINGE UTILITY COMPANY. EVER SHALL BE AN AFFINITY MODLE SEGO-259-30K-COT-10V WITH MATE HEADS.
- E (12203.) ITY OF ROCHESTER PUBLIC WORKS DEPARTMENT THE FIXTURE TO VERIFY THE FIXTURE

#### GENERAL UTILITY NOTES

- 1,) CONTRACTOR SHALL NOTIFY DIG-SAFE (1-888 344-7233) 72 HOURS PRIOR TO THE START OF CONSTRUCTION
- 2.) ALL EXISTING UTILITY LOCATIONS ARE APPROXIMATE AS SHOWN. THE CONTRACTOR SHALL VERIFY THEIR LOCATIONS AND FLEVATIONS
- LOCATIONS AND ELEVATIONS.

  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 EXISTENCE IS NOT
  INTENDED OR, UNDITED.
- INTENDED OR IMPLIED.

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

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

  WATER AND SEVER LINES SHALL BE INSTALLED A MINIMUM OF 10-FT APART HORIZONTALLY.

  WHERE SEWER AND WATER LINES MUST CROSS, SEWER PIPE, JOHTS SHALL BE LOCATED A MINIMUM 9-FT WHERE SEWER AND WATER LINES MUST CROSS, SEWER PIPE, JOHTS SHALL BE LOCATED A MINIMUM SEWER AND AND SHALL BE LINES MUST CROSS SEWER PIPE, JOHTS SHALL BE LOCATED WITH SHALL BE LINES MUST CROSS SEWER PIPE, JOHTS SHALL BE LOCATED WITH SHALL BE LINES MUST CROSS SEWER PIPE, JOHTS SHALL BE LOCATED WITH SHALL BE LANTIANED.

  SEWER AND AT 1-1/2 TIMES MORKING PRESSURE FOR ALL FORCE MAINS.

- SEWER AND AT 1-1/2 THES WORKING PRESSURE FOR ALL FORCE MAINS.

  9. WAITERINE CONSTRUCTIONS.

  A.) ALL PROPOSED WATER LINE MATERIAL USED SHALL MEET ROCHESTER WATER OPPARTMENT AND ROCHESTER PROMPED EPPARTMENT SPECOFICATIONS. WATER LINES SHALL BE A.W.W.A.C. 151, CASS 52, COMENT LINED, DUCTILE BROW PRP.

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

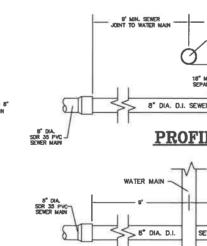
  C.) ALL WATER LINES SHALL BE BURBED A MINIMUM OF 5'.

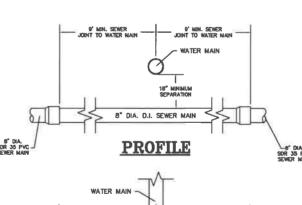
  O.) IF 5' OF COVER IS NOT AVAILABLE WATER LINE SHALL BE INSULATED AS SHOWN IN THE "SHALLOW COVER TRENCH DETAIL FOR INSULATED WATER PIPE".

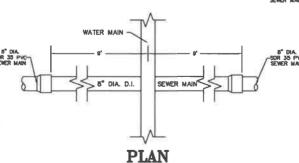
  EVALUATE THE THINGS SHALL SHALL SHALL BE INSULATED AS SHOWN IN THE "SHALLOW COVER TRENCH DETAIL FOR INSULATED WATER PIPE".

  J. PROPOSED THINGS SHALL SHALLOW COVER (RIGHT).

  10.) WORK TO CONNECT INTO THE WATER OF SEMER MAINS REQUIRES A PERMIT FROM THE ROCHESTER PUBLIC WORKS DEPARTMENT, CONTRACTORS ARE TO BE PIPE—QUALIFIED.





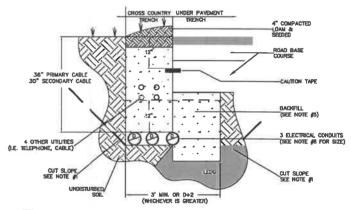


### SEWER MAIN CROSSING WATER MAIN NOTES: J. SEWER PIPE SHALL BE CLASS 52 DUCTILE IRON.

- 2. SEWER PIPE JOINTS SHALL BE LOCATED AT LEAST 9-FT HORIZONTALLY FROM THE WATER MAIN.
  3. SEWER PIPE JOINTS SHALL BE PRESSURE TESTED TO 25 POUNDS PER SQUARE INCH FOR GRAVITY
- SEWERS, AND AT 1-1/2 TIMES WORKING PRESSURE FOR FORCE MAINS.

  4. VERTICAL SEPARATION OF THE SEWER AND WATER MAIN SHALL NOT BE LESS THAN 18 INCHES.

### WATER MAIN/SEWER MAIN CROSSING DETAIL



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

NOT TO SCALE

UTILITY DETAILS TAX MAP 110 LOTS 10-2 THRU 10-17 FREEDOM DRIVE ROCHESTER, NH PREPARED FOR:
GOLDEN OAKS LLC MARCH 2020

NOTE: SERVICE LINE SHALL BE TYPE K COPPER CONFORMING TO ASTM-D88 TYPICAL DOMESTIC SERVICE CONNECTION NOT TO SCALE

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

WATER MAIN

THRUST BLOCK DETAILS

NOT TO SCALE

DUCTILE IRON MECHANICAL RETRAINED LENGTH (FEET)

| DEAD END | DEAD END

MECHANICAL RESTRAINED

LENGTH SCHEDULE

NOT TO SCALE

NOTES:

1. PIPE IS SURIED 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 DOSTING SOL, IS POORLY GRADED GRAVEL AND GRAVEL SAND MIXTURE WITH LITTLE TO

NO PINES.

3. ALL CALCULATIONS ARE BASED ON THE "RESTRAINED LENGTH CALCULATION PROGRAM" BY

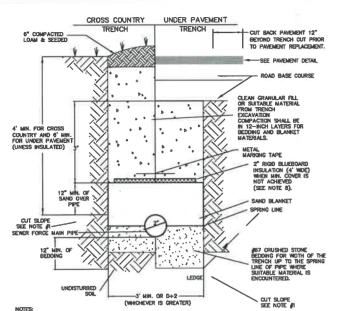
FILE NO. 166

PIAN NO.C-3043 DWC. NO. 19138/S-1 F.B. NO. "33" "CEK"

.S. Calculations are based on a factor of safety of 1.5 to 1.
Calculations are based on the "restrained length calculation program" by

NORWAY PLAINS ASSOCIATES, INC.

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



EXPERIENCE.

4. SAND BLANKET MAY BE DMITTED FOR REINFORCED CONCRETE PIPE.

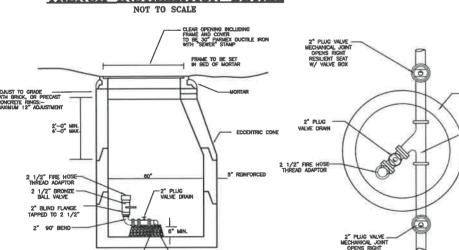
5. WHERE SHEETING IS FLACED ALONGSDE THE PIPE AND EXTENDS BELOW MID-DAMETER, THE SHEETING SHALL BE CLIT OFF AND LETT IN PLACE TO AN ELEVATION NOT LESS THAN ONE FOOT ABOVE THE TOP OF THE PIPE AND AT LEAST 3. FEET BELOW PRISHED GRADE.

6. THE PIPE SAND BLANKET MATERIAL SHALL BE GRADED SAND FREE FROM ORGANIC MATERIALS, GRADED SUCH THAT TOD PERCENT PASSES A 1/4-HIGH SINE AND A MAXIMUM OF 15 PERCENT PASSES A 1/4-HIGH SINE AND A MAXIMUM OR 15

DEBRIS; PIECES OF PAVEMENT; ORGANIC MATTER; TOP SOIL; WET OR SOFT MUCK;

WET OR SOFT MUCK;
PEAT OR CLAY;
EXCAMED LEDGE MATERIAL;
ROCKS OVER 6 NOVIES IN THE LARGEST DIMENSION; AND
ANY MATERIAL NOT APPROVED BY THE ENGINEER.
WHY MATERIAL NOT APPROVED BY THE ENGINEER.
WHEN THE FORCE MAIN CROSSESS ANY DRAIN PIPE.

## FORCE MAIN SEWER PIPE TRENCH INSTALLATION DETAIL



PLAN VIEW

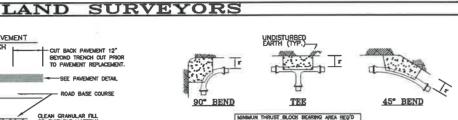
CLEANOUT MANHOLE DETAIL NOT TO SCALE

MORTAR USED IN MANHOLE CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING:
MORTAR SHALL BE COMPOSED OF TYPE II PORTLAND CEMENT AND SAND WITH OR WITHOUT HYDRATED LIME ONS IN MORTAR OF PARTS BY VOLUMES SHALL BE AS SHOWN BELOW; 

COMENT SHALL BE TYPE I PORTLAND CRIMENT THAT IS CERTIFIED BY ITS MANUFACTURER AS CONFORMING TO THE ASTIM C150/C150M STANDARD IN EFFECT AT THE TIME THE CEMENT WAS MANUFACTURED. HORATED LIME SHALL BE TYPE S THAT IS CERTIFIED BY ITS MANUFACTURER AS CONFORMING TO THE ASTIM C207 STANDARD IN EFFECT AT THE TIME THE KYDRATED LIME WAS PROCESSED.

SIND SHALL CONSIST OF INEXT HATURAL SAND THAT IS CERTIFIED BY ITS SUPPLIER AS CONFORMING TO THE ASTIM C23 STANDARD IN EFFECT AT THE TIME THE SAND IS PROCESSED BY STANDARD SPECIFICATIONS FOR CONFORMINE, THE AGREECATIONS FILE NO. 166 PLAN NO.C-3043 DWG. NO. 19138/S-1 F.B. NO. "33" "CEK"

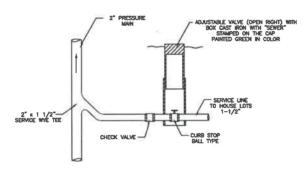
ELEVATION VIEW



NOTE: SIZE OF THRUST BLOCKS MAY BE INCREASED BY THE ENGINEER TO MEET SOIL CONDITIONS FOUND DURING CONSTRUCTION.

PRFE 90 TEE PLUG 45 SHALLER
2" 5 4 3 2 2

## SEWER MAIN THRUST BLOCK DETAILS



### PUMP DISCHARGE LINE CONNECTION TO MAIN DETAIL

2" x 2" WYE TEE

NOT TO SCALE

#### CIVIL ENGINEERS

1 1/2" UNION -3762-2 COMPARTMENT 1,500 gal TANK W/ 500 gal PUMP CHAMBER BY A.J. FOSS OR EQUAL (12'4" LONG x 6'6" MOE x 6'4" HGH) PARP ON = 24" -HANN - 30" BOTTOM = 0°

### SEPTIC TANK & PUMP DETAIL

- NOTES.

  1. INSTALL 2" PVC VENT FROM THE PURP CHARBER TO THE HOUSE.

  2. INSTALL 2" PVC VENT FROM THE PURP CHARBER TO THE HOUSE.

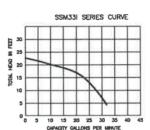
  3. ALL PRIMPING SYSTEMS ECTING COMPONENTS AND REPORTED.

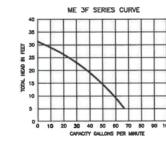
  3. ALL PRIMPING SYSTEMS ECTING COMPONENTS AND REPORTED.

  3. ALL PRIMPING SYSTEMS ECTING COMPONENTS AND REPORTED.

  4. PURPS SHALL BE SIZED TO PROVIDE A MINIMUM VELOCITY WITHIN ALL OF THE FORCE MAIN PIPES OF 2 FEET PER SECOND.

  5. THE CONTRACTOR SHALL PROVIDE ENGINEERED PUMP SPECIFICATIONS AND SEPTIC TANK SIZENG TO THE ROCHESTER DEPARTMENT OF PUBLIC WORKS FOR APPROVAL PRIOR TO RESTALLATION.





LOT	PUMP SELECTION	TOTAL DYNAMIC HEAD (FT)	DESIGN PUMP RATE (GPN)
110-10-2	SSM 33I	6.5 FT	30 GPM
110-10-3	SSM 33I	9.1 FT	30 GPM
110-10-4	SSM 33I	12.0 FT	30 GPM
110-10-5	SSM 331	13.0 FT	27 GPM
110-10-6	SSM 33I	14.0 FT	25 GPM
110-10-7	ME 3F	22.0 FT	27 GMP
110-10-8	ME 3F	26.7 FT	30 GPM
110-10-9	ME 3F	27.0 FT	30 GPM
110-10-10	ME 3F	26.7 FT	30 GPM
110-10-11	ME 3F	22.0 FT	27 GPM
110-10-12	SSM 338	14.0 FT	25 GPM
110-10-13	SSM 33I	13.0 FT	27 GPM
110-10-14	SSM 33I	12.0 FT	30 GPM
110-10-15	SSM 33I	8.5 FT	30 GPM
110-10-16	SSM 33I	9.1 FT	30 GPM

# 110-10-17 SSM 33I 6.5 FT 30 GPM 2"x3" REDUCER | 6" x 8" REDUCER 2" SOR 21 FORCE MAIN

#### SEWER MANHOLE CONNECTION NOT TO SCALE

NOTES:
1. THE FLUSHING MANHOLE CONSTRUCTION SHALL MEET ALL DESIGN REQUIREMENTS OF A SANITARY MANHOLES. SEE NOTES THIS SHEET.
2. HORIZONTAL JOINTS BETWEEN SECTIONS OF PRECAST CONCRETE BARREL SHALL SE OF AN OVERLAPPING TYPE, SEALED FOR WATER—TIGHTNESS USING A DOUBLE ROW OF AN ELASTOLERGO ON MASTIC—LIKE SEALANT.
3. PIPE TO MANHOLE JOINTS SHALL BE AS FOLLOWS:
(1) ELASTOMERGO, RIBBORS SLEVE WITH WATERTIGHT JOINTS AT THE MANHOLE OPENING AND

PIPE TO MANHOLE JOINTS SHALL BE AS FULLUTES:

1) ELASTOMERIC, RUBBER SLEEVE WITH WITERTICHT JOINTS AT THE MANHOLE OPENING AND PIPE SURFACES;

2) CLAST INTO THE WALL OR SECURED WITH STAINLESS STEEL CLAMPS;

3) ELASTOMERIC SPALING RING CAST IN THE MANHOLE OPENING WITH SEAL FORMED ON THE SURFACE OF THE PIPE BY COMPRESSION OF THE RING; AND OF THE RING; AND OF THE RING; AND OF THE RING; AND ASSESSIBLE ECOLORS ON THE DETERMINED AND PIPE CAN BE OBTAINED. ALL PRECASTS SECTIONS AND BASES SHALL BE COALED ON THE DETERMINE MATERIAL PROCESSION TO THE ASTEN CAST, COAN THE PROCESSION OF THE STANDARD IN PROCESSION OF THE MANUFACTURES, ANALABLE AS INITIAL MATERIAL AND STAINED SHALL BE CONTROLED ANALABLE AS INITIAL WATERIAL AND STAINED SHALL BE CONTROLED ANALABLE AS INITIAL WATERIAL, AND STAINED SHALL BE CONTROLED ANALABLE AS INITIAL WATERIAL, AND STAINED SHALL BE CONTROLED ANALABLE AS INITIAL WATERIAL, AND STAINED SHALL BE CONTROLED ANALABLE AS INITIAL WATERIAL, AND STAINED SHALL BE CONTROLED ANALABLE AS INITIAL WATERIAL, AND STAINED SHALL BE CONTROLED ANALABLE AS INITIAL WATERIAL AND STAINED SHALL BE CONTROLED ANALABLE AS INITIAL WATERIAL AND STAINED SHALL BE ASSESSIONAL BE STREET OF MANHOLES AND CONTROLE GRADE RINGS SHALL CONTROLED TO THE REQUIREMENT FOR CLASS AN CONCRETE IN HE WE MANAPSHEE DEPARTMENT OF TRANSPORTIANDIS STAINADOS SPECIFICATIONS FOR ROAD AND BRODGE CONSTRUCTION.

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PERFORMENT OF TRANSPORTIAT

ALARM SHALL BE VISIBLE AND AUDIBLE WITH A PUSH BUTTON SILENCE SWITCH.



DAYOUTO THE CITY OF ROCHESTER PUBLIC WORKS DEPARTMENT WITH THE MANUAL HOLD REPAIR AND SEWER CURB STOP DETAIL.

NOTES:

1. IT IS RETENTION OF THE CITY OF ROCHESTER PUBLIC WORKS DEPARTMENT WITH THE MANUAL PUBLIC PROCESSION THE REAL STORY OF ROCHESTER PUBLIC WORKS DEPARTMENT WITH THE MANUAL PUBLIC PROCESSION THE REAL STORY OF ROCHESTER PUBLIC WORKS DEPARTMENT WITH THE MANUAL INCLIDING ALL DOMPOWEDT PARTS, HAVE ARCHIVES SPACE, STRENGTH AND LEAV PROOF CUALITIES COMPROGRED NECESSION OF THE PUBLIC WORKS DEPARTMENT FOR THE MINISTER SPACE, STRENGTH AND LEAV PROOF COMPROSE SHALL BE AS SHOWN ON THIS DRAWING, MAINHOLES MAY BE AN ASSEMBLY OF PRECAST SECTIONS, WITH OR WITHOUT STEEL REPOTRICISERY, WITH ADEQUATE JOINTING, OR CONCRETE COAST AND ADMINISTRATION OF THE MANUAL PUBLIC WORKS DEPARTMENT COAST OF SUCH MATERIA, AND COMPLETE OF THE STRENGTH OF SHALL BE OF SUCH MATERIA, AND COMPLETE SHALL BE OFFICE OF THE STRUCTURE SHALL BE OF SUCH MATERIA, AND COMPLETE OF SHALL BE PRECAST DISTRICTURE OF THE LIFE OF THE LIFE OF THE STRUCTURE. A PERSON OF THE LIFE OF THE LIF

SIDERES, FOOTING DRIVING OR SUMP PURPES OR ANY OTHER SAMUAR CONNECTION CARSYNING RAIN WATER, DAMAGE, OR GROUND MERR, SMALL DIE SEPERATED.

SEA AND WATER SELVING SPROLD NOT BE LADD IN THE SAME TRENCH AS SEWER SERVICE, BUT WHEN NECESSARY, SMALL BE PLACED DISC. AND WATER SELVING SPROLD FOR HOUSE SENSER AS SHOWN.

100X PASSING I NOTH SCREEN

100X PASSING I NOTH SCREEN

20-10X PASSING I NOTH SCREEN

20-10X PASSING I NOTH SCREEN

20-10X PASSING AS SERVE

100X P

LOCKING. THE BURIDE PIPE WITH A DIP NEEDLE UNITED THE REQUIREMENTS FOR GLOSS .

LOCKING THE BURIDED FIRE WITH A DIP NEEDLE UNITED THE REQUIREMENTS FOR GLOSS .

LOCKING THE BURIDED FIRE WITH A DIP NEEDLE UNITED FOR GLOSS .

DEPARTMENT OF PIEBLE WHITE WORKS AND HIGHWAYS STANDARD SPECIFICATIONS AS FOLLOWS.

DEPARTMENT OF PIEBLE WHITE WORKS AND HIGHWAYS STANDARD SPECIFICATIONS AS FOLLOWS.

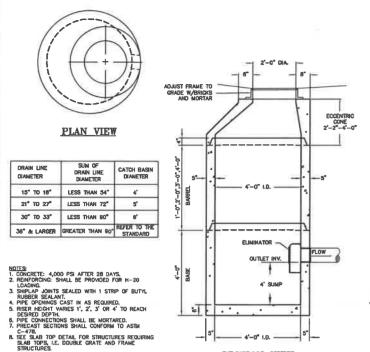
4. CHIMMENT S. 75 GOLLOWS/BAG OF CEMENT AGORDATE SHALL BE CONSTRUCTED FOR THE HOUSE CONNECTION. 25—

ALL DRAWINGE AND SEWEN STRUCTIVES INCLUDING FRAMES AND GRATES SHALL BE CONSTRUCTED FOR THE HOUSE CONNECTION. 25—

ALL DRAWINGE AND SEWEN STRUCTIVES INCLUDING FRAMES AND GRATES SHALL BE CONSTRUCTED FOR THE COMMISSION, WHICH THE SHALL BURINGEN SECURING OF PREDAST CONNECTE BURINESS SHALL BE OF A TIPE APPROVED BY THE COMMISSION, WHICH THE SHALL BURINGEN SHALL BE CONSTRUCTED OF THE COMMISSION, WHICH THE SHALL BURINGEN SHALL BE CONSTRUCTED OF THE COMMISSION, WHICH THE SHALL BURINGEN SHALL BUR SEPTIC TANK DETAILS TAX MAP 110

LOTS 10-2 THRU 10-17 FREEDOM DRIVE ROCHESTER, NH PREPARED FOR:

GOLDEN OAKS DEVELOPMENT, LLC MARCH 2020



PRE-CAST REINFORCED CATCH BASIN

NOT TO SCALE

SECTION X-X

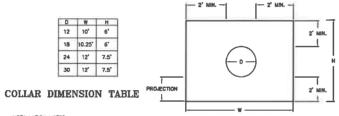
SECTION VIEW

LAND SURVEYORS

# COVER. COVER SHALL HAVE D OR DRAIN ПППП 4', 5' OR 9' D INLET 11/2" HIGHER THAN OUTLET

## NOTES: 1. CONCRETE SHALL BE 4,000 PSI MINL STRENGTH 2. RISER HEIGHT VARIES 1", 2", 3" OR 4" TO REACH DESIRED DEPTH PRE-CAST REINFORCED DRAIN MANHOLE

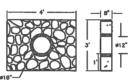
NOT TO SCALE



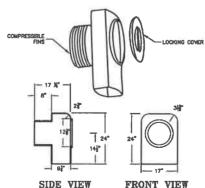
INSTALATION NOTES:

1. ANTI-SEEP COLLARS SHALL BE MADE PLASTIC IF BEING USED WITH PLASTIC PIPE. ANTI-SEEP COLLARS SHALL BE GALWINZED SHEET
STEEL IF BEING USED WITH CORRUGATED METAL PIPE. AND SHALL BE POURED CONCRETE IF BEING USED WITH REINFORCED CONCRETE fipe. 2. anti-seep collar shall be waterproof and have a waterproof connection to the outlet pipe. 3. a number of anti-seep collars shall be placed along the pipe in a spacing that increases the pipe length by 15%.

#### ANTI-SEEP COLLAR DETAIL NOT TO SCALE



## TYPICAL DRIVE HEADWALL NOT TO SCALE



ELIMINATOR CATCH BASIN OIL AND DEBRIS TRAP DETAIL

NOT TO SCALE AL HOOD SHALL BE "THE ELIMINATOR" OIL & FLOATING DEBRIS TRAP AS MANUFACTURED BY GROUND WATER RESCUE, INC., QUINCY, MA., TEL. 617—773—1128 ON THE WEED @ WHWILLEANSTREALCOM AVAILABLE IN 8", 10", 12", 15" AND 18" DIAMETERS.

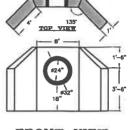


#### CIVIL ENGINEERS

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.



BEYSONS: 04/01/20 - ADD ANTI-SEEP COLLAR AND DRAIN MANHOLE DETAILS. 01/27/21 - REMOVED SUMP



1/2" \$TEEL

SLAB TO BE PLACED IN LIEU OF TAPERED SECTION WHERE PIPE WOULD OTHERWISE ENTER INTO TAPERED SECTION OF THE STRUCTURE AND WHER!

NOT TO SCALE

MAY BE CASTED WITH MINIMUM OR NO INTERLOCKING CHANNEL. THE CONTRACTOR MUST ENSURE THE SLAB TOP IS FIRMLY TO THE STRUCTURE.

REINFORCED CONCRETE SLAB COVER

STONE LINED CULVERT DETAIL

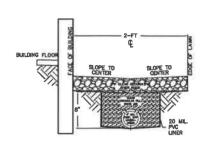
NOT TO SCALE

MAY BE INSTALLED BY EXCAVATING AN OPEN TRENCH WITH SUE SLOPES OF 1:1 MAXIMUM TO I OF 4-FT. INTALLATIONS DEEPER THAN 4-FT REQUIRE THE USE OF A TRENCH BOX. ARTERNALS SHALL BE AS SPECIFED ON THE DESIGN FULL. ELAWRET MAY BE CONTENT FOR REMFORCED CONDESTE PIPE.

DRAINAGE PIPE

TRENCH INSTALLATION DETAIL

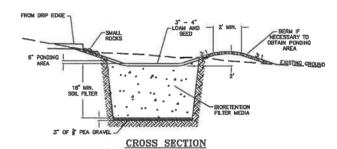
FRONT VIEW PRE-CAST HEADWALL



#### DRIP EDGE AND UNDERDRAIN DETAIL

NOT TO SCALE

- NOTES:
  1. THE DRIP EDGE SHALL BE 2 FT. WIDE, 3 INCHES TRICK, 2 INCH DIAMETER SEPTIC STONE.
  2. THE UNDERDRAIN SHALL BE 4 INCH DIAMETER PERFORATED CORRUGATED PLASTIC PIPE
  (ADS OR EQUIAL). THE PERFORATED SDE FACING UPWARD.



## RAIN GARDEN DETAIL

- 10-16 AND 10-17: DOCATED CLOSE TO THE SOURCE OF RUNOFF. EMS INTO SERVICE UNTIL THE BASIN AND THE ADJACENT AREAS ARE FULLY

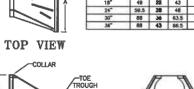
	BIORETENTION FLIER ME	DIA		
		GRADATION OF MATERIAL		
COMPONENT MATERIAL	PERCENT OF MIXTURE BY VOLUME	SIEVE NO.	PERCENT BY WEIGHT PASSING STANDARD SIEVE	
	FILTER MEDIA OPTION	A		
ASTM C-33 CONCRETE SAND	50 TO 55			
LOAMY SAND TOPSOIL, WITH FINES AS INDICATED	20 TO 30	200	15 TO 25	
NODERATELY FINE SHREDDY BARK OR WOOD FIBERS MULCH, WITH FINES AS INDICATED	20 TO 30	200	< 5	
	FILTER MEDIA OPTION	8		
MODERATELY FINE SHREDDY BARK OR WOOD FIBERS MULCH, WITH FINES AS INDICATED	20 TO 30	200	< 5	
	70 TO 80	10	85 TO 100	
		20	70 TO 100	
LOANY COURSE SAND		60	15 TO 40	
		200	8 TO 15	

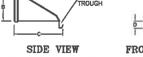
DRAINAGE DETAILS TAX MAP 110 LOTS 10-2 THRU 10-17 FREEDOM DRIVE ROCHESTER, NH PREPARED FOR:
GOLDEN OAKS LLC

MARCH 2020 2 Continental Blvd., Rochester, N.H. 603-335-3948

## NORWAY PLAINS ASSOCIATES, INC. I

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





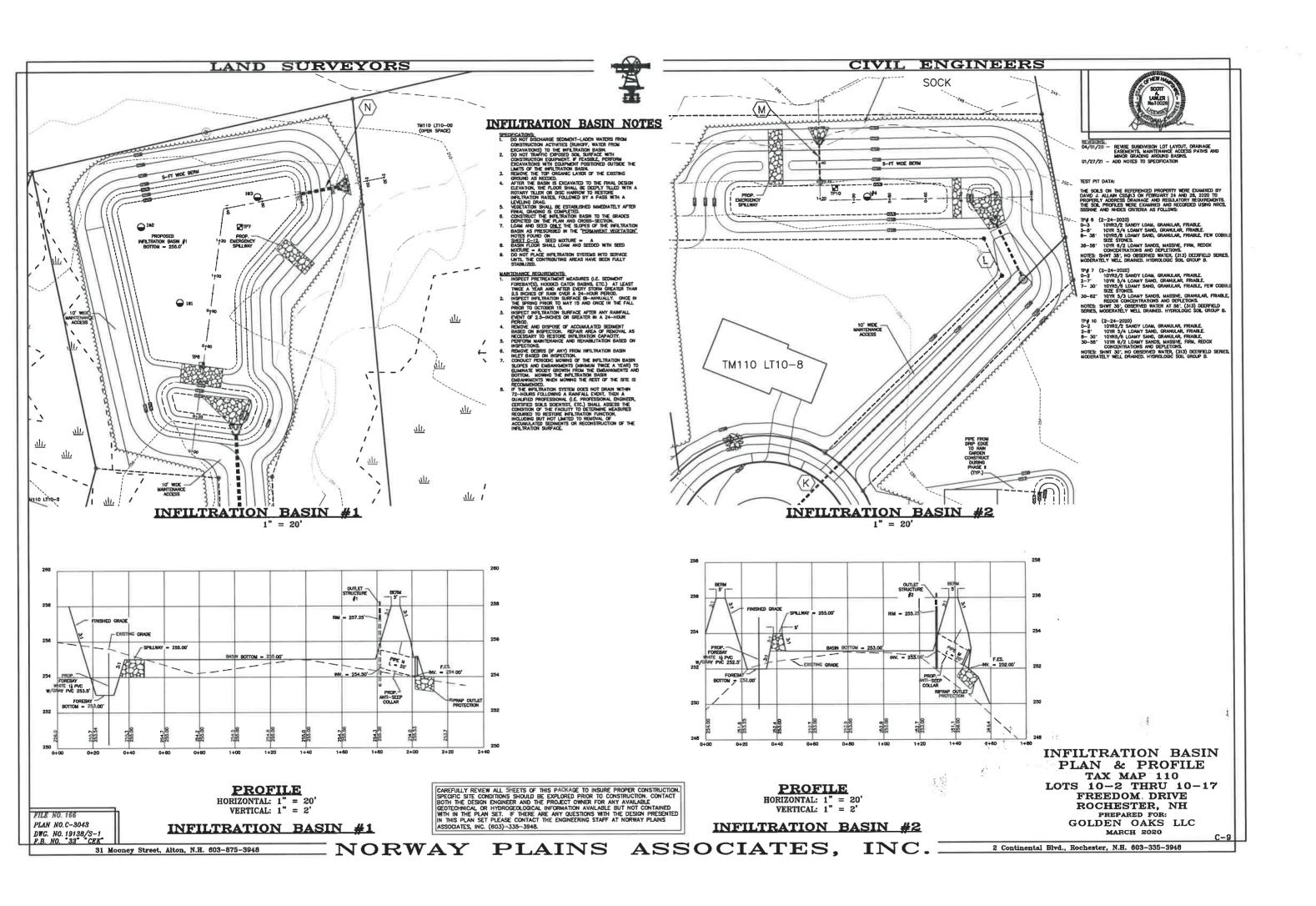
FRONT VIEW

FLAIRED END SECTION DETAIL NOT TO SCALE

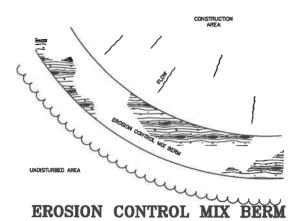
DWG. NO. 19138/S-1 F.B. NO. "33" "CEK"

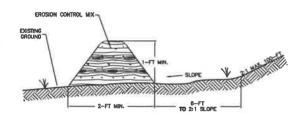
FILE NO. 166 PLAN NO.C-3043

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



#### LAND SURVEYORS





CROSS-SECTION

#### EROSION CONTROL MIX BERM CROSS-SECTION

- <u>ients.</u> Mix Berns Should be inspected immediately after each rainfall and at least Longed Rainfall. MIX Berns Should be repaired immediately if there are any signs of erosion

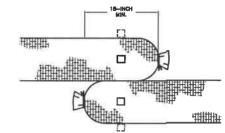
- - B. ORGANIC MATTER = 25-65% DRY WEIGHT BASIS

SCREEN: PASSING BY WEIGHT; 3-INCH 100% 1-INCH 90-100% 3/4-INCH 70-100% 1/4-INCH 30-75%

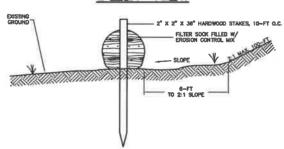
- E. THE ORGANIC PORTION NEEDS TO HE FISHCULS AND ELONGATED.
- F. THE MIX SHOULD CONTAIN NO SILTS, CLAYS OR FINE SANDS.
- G. SOLUBLE SALTS CONTENT < 4.0 mmhos/cm
- H. PH OF THE MIX SHOULD BE BETWEEN 5.0 AND 8.0
- THE BARRIER MUST BE PLACED ALONG A RELATIVELY LEVEL CONTOUR.
  IT MAY BE MECESSARY TO CUIT TAIL, GRASSES AND WOOD'S RECETATION TO AVOID CREATING VOIDS AND
  BRIDGES IN THE BARRIER THAT WOULD DEMBLE FINES TO WASH UNDOR THE BARRIER THROUGH THE GRASS
  BLACES OR PLANT STEAM.
  THE BARRIER THAT WOULD DEMBLE FINES TO WASH UNDOR THE BARRIER THROUGH THE GRASS
  THE BARRIER WUST BE A MIRMAM OF 12-INCHES TAILL AS MEASURED ON THE UPHILL SIDE OF THE
- BARRIER. B. THE BARRIER MUST BE A MINIMUM OF 2-FT MIDE.

#### EROSION CONTROL MIX BERM DETAIL

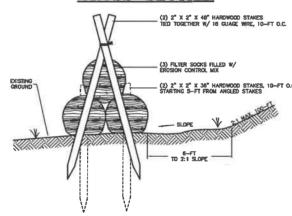
NOT TO SCALE



FILTER SOCK CONNECTION PLAN VIEW



#### FILTER SOCK CROSS-SECTION



### HEAVY DUTY PYRAMID FILTER SOCK CROSS-SECTION

- CONTAINED BERM (FILTER SOCK ALTERNATIVE).

  RINATIVE PRODUCT, THE CONTINUOUS CONTAINED BERM (OR "FILTER SOCK") CAN BE AN EFFECTIVE TEARRIER AS IT ADDS CONTAINED TAND TRABILITY TO A BERM OF EROSION CONTROL MIX. EVENT THAT USE OF CONTINUOUS CONTAINED BERM IS DESIRED, THE PRODUCT SELECTED SHOULD BE DAID APPROVED BY THE DESIGN EXCIDENCE THAT USE OF CONTINUOUS CONTAINED BERMS SHALL BE PERFORMED IN ACCORDANCE WITH THE ATMONS OF THE MANUFACTURED BERMS SHALL BE PERFORMED IN ACCORDANCE WITH THE ATMONS OF THE MANUFACTURED.

<u>maintenance requirements:</u> 1. Filter Sock maintenance shall follow the same schedule as erosion control mix berms.

- CONSTRUCTION SPECIFICATIONS.

  1. COMPOSITION OF THE EHOSION CONTROL MIX SHALL EITHER BE THE SAME AS EROSION CONTROL MIX BERN MATERIAL OR AS SPECIFIED BY THE FATER SOCK MANUFACTURER.

  2. THE BARRIER MUST BE PLACED ALONG A RELATIVELY LEVEL CONTROL.

  3. IT MAY BE RECESSARY TO CUT TALL GRASSES AND WOODY VECTATION TO AVOID CREATING VOIDS AND BROCCES IN THE BARRIER THAT WOULD EMBLE FINES TO WASH UNDER THE BARRIER THROUGH THE GRASS BLADES OF PLANT STEMLS.

  4. FILLER SOCK DIAMETER (HEIGHT) SHALL BE PER THE MANUFACTURER RECOMMENDATION FOR THE AREA OF INSTALLATION.

#### CONTINUOUS CONTAINED BERM "FILTER SOCK" DETAIL

NOT TO SCALE

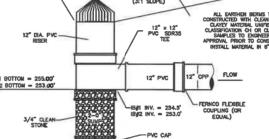


CIVIL ENGINEERS

ECIFICATIONS: CONSTRUCT THE SEDIMENT FOREBAY TO THE GRADES DEPICTED ON THE PLAN

SEDULET HAS REACHED THE RED MARK ON THE SEDILIENT STAFF OF LED IN THE PORTBAY, REDUCE SEDILIENT AND DISPOSE OF THE TIE IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS. TION OF RED CLEANOUT MARK ON STAFF GAUGE FOREBAY (8-253.5). SEDIMENT FOREBAY (2-252.5).

nfitration basin#1 berm = 258.0° nfitration basin#2 berm = 256.0°



#### INFILTRATION BASIN #1 & #2 OUTLET STANDPIPE DETAIL

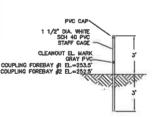
NOT TO SCALE

SECTION "A" IB#1=257.50' IB#2=255.50'

04/01/20 - REVISE RIM ELEVATIONS OF THE OUTLET

INFILTRATION BASIN #1 & #2 EMERGENCY SPILLWAY DETAIL

NOT TO SCALE



INFILTRATION BASIN #1 & #2 SEDIMENT FOREBAY GAUGE DETAIL

NOT TO SCALE

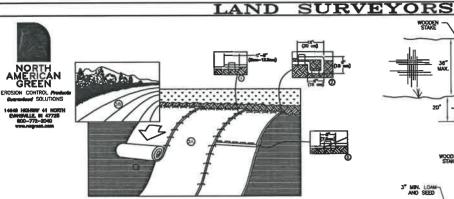
FF GAGE TO BE SCHEDULE 40 WHITE PVC DRIVEN OR CED IN GROUND A MINIMUM 3-FT. ANOUT MARK ON STAFF TO BE GRAY PVC COUPLING 8-INCHES FROM BOTTOM OF BASIN.

INFILTRATION BASIN DETAIL SHEET AND SILT SOCK AND EARTH BERM DETAIL TAX MAP 110 LOTS 10-2 THRU 10-17

FREEDOM DRIVE ROCHESTER, NH PREPARED FOR:
GOLDEN OAKS LLC

MARCH 2020

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
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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. (607). 3335—3468 ASSOCIATES, INC. (603)-335-3948.



STOPE INSTALLATION

ERAL NOTES:

SLOPE INSTALLATION

ANOD THE USE OF WELDED PLASTIC OR "BIOLOGRADALE PLASTIC RETITING OR THERAD (E.C. POLIPPROPILENE) IN EROSOI

CONROL MATTHING. THORE ARE MAMBROUS DOCUMENTED CASES OF SHARES, TURTLES, WATERFOIM, AND OTHER MILDLES

BEING TRAPPED AND KILLED IN EROSON CONTROL MATTHING WITH SYMILETING AND THREAD; THOREDINE, THE USE

OF BIONET SCIONE BIOLOGRADURABLE MATTHING OR THE LIKE IS MANUSCRIPTOR TO PROTECT THE MILDLES IN THE PROJECT.

EXCEDING 1/2 MICH IN A 24-MOUR PERIOD.

MY FAULUS EXALL BE REPARED MINEDATELY. IF WASHOUT OF THE SLOPE, DISPLACEMENT OF THE MAT, OR DAMAGE TO THE MAT OCCURS, THE AFFECTED SLOPE SHALL BE REPAIRED AND RESEDUED, AND THE AFFECTED AREA OF MAT SHALL BE REPAIRED.

THE MAI OLDAND.

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A PREPARE SOIL BEFORE NISTALLING ROLLD EROSION CONTROL PROJUCTION (NEW Y), INCOMENDATION OF LIBER, FERRILLER, AND SED.

APPLICATION OF LIBER, FERRILLER, AND SED.

APPLICATION OF LIBER, FERRILLER, AND SED.

NOTE: WHEN USING CBLI.—O-SED DO NOT SEED PREPARED AREA. CBLI.—O-SED MUST BE INSTALLED WITH PAPER SIDE DOWN.

8. BECON AT THE TOP OF THE SLOPE BY ANCHORING THE RECP'S IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TERRICH WITH APPROXIMATELY 12" (30 CM) OF SED'S EXCHORING THE INFORMATION OF THE TERRICH. BANCHORING THE RECP'S WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TERRICH. BANCHORING 12" (30 CM)PORTION OF FEED'S BLCK OVER SED AND COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART ACCOSS THE WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART ACCOSS THE WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART ACCOSS THE WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART ACCOSS THE SIDE ADMINISTINE SOIL STAPLE AND ACCOSS THE SLOPE RECP'S WILL UNROLL WITH APPROXIMATE SIDE ADMINISTINE SOIL STAPLE AND ACCOSS THE SECONDEY FESTERED TO SOIL SUFFICIES BY A PART ACCOSS THE SECONDEY FESTERIOR TO SOIL SUFFICIES BY A PART ACCOSS THE SECONDEY FESTERIOR TO SOIL SUFFICIES BY A PART ACCOSS THE SECONDEY FESTERIOR ONE SUB-SUFFICIES SECONDEY FESTERIOR ONE SUB-SUFFICIES BY A PART ACCOSS THE SECONDEY FESTERIOR OUR SUB-SUFFICIES BY A PART ACCOSS THE SECONDEY FESTERIOR OUR SUB-SUFFICIES OF STAPLE DETAILS BY ENACED HIRDURH EACH OF THE COLORED DOTS OF THE COLORED DOTS OF THE COLORED DOTS OVER BY SUSPENDING TO THE APPROXIMATELY 12" (30 CM) APART ACCOSS THE WITH AN APPROXIMATELY 3" (7.5 CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30 CM) APART ACCOSS SOIL CONDITIONS, THE USE OF STAPLE ON STAPLE CONTACT OF THE PROTECTION MATTIME WITH AN APPROXIMATE 3" (7.5 CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30 CM) APART ACCOSS SOIL CONDITIONS, THE USE OF STAPLE CONTACT OF THE PROTECTION MATTIME WITH A

SOIL.

GRADE AND SHAPE AREA F INSTALLATION.

REDICHE ALL ROCKS, CLOOS, TRUSS, VECETATIVE OR OTHER OBSTRUCTIONS SO THAT THE INSTALLED BLANKETS WILL

HAVE DEED! CONTACT WITH THE SUL'S INCHES OF TOPSOIL ABOVE FINAL GRADE.

INCORPORATE AMENIMENTS, SUCH AS LINE AND FERTILIZER, INTO SOIL ACCORDING TO SOIL TEST AND THE SEEDING.

SEDIMEN.

A SED AREA BEFORE BLANKET INSTALLATION FOR EXCISION CONTROL AND REVEGETATION. SEEDING AFTER MIT

SED AREA BEFORE BLANKET INSTALLATION FOR EXCISION CONTROL AND REVEGETATION. SEEDING PROR TO BLANKET

INSTALLATION, ALL CHECK SLOTS AND OTHER AREAS DISTRIBED DURING NOTALLATION MIST BE RESEDED.

B. WHEN SOJ. FILING IS SPECKED, SEED THE MATTING AND THE ENTIRE DISTURBED AREA AFTER RISTALLATION AND
PROR TO FILING THE WAIT WITH SOUL.

#### TEMPORARY EROSION CONTROL BioNet SC150BN BIODEGRADABLE DETAIL

#### **TEMPORARY VEGETATION:**

- EROSION AND SEDIMENT CONTROL MEASURES SUCH AS SILTATION BARRIERS, DIVERSIONS,
- SEDIMENT TRAPS.

  GRADE AS NEEDED FOR THE ACCESS OF EQUIPMENT FOR SEEDED PREPARATION, SEEDING, MULCH
  APPLICATION, AND MULCH ANCHORNIC.

  RUNGET SHALL BE DIVERTED FROM THE SEEDED AREA.

  ON SUPPS 4:1 OR STEPPER, THE FINAL PREPARATION SHALL INCLIDE CREATING HORIZONTAL GROOVES
  PERPENDICULAR O THE DRECTION OF THE SLOPE TO CATCH SEED AND REDUCE RUNGET.

<u>ended preparation:</u> Stones and trash shall be removed so as not to interfere with the seeding area. Inverse the soil has been compacted by <u>constru</u>ction operations, loosen soil to a depth of 2

STURES AND INDICATE AND INDICATED BY CONSTRUCTION OPERATIONS, LOSSES AND INCHES BEFORE APPLYING FERTUZER, UNE AND SEED.

INCHES BEFORE APPLYING FERTUZER, UNE AND SEED.

F APPLICABLE, FERTUZER AND ORGANIC SOIL AMENOMENTS SHALL BE APPLIED DURING THE GROWING F APPLICABLE.

SEASON.
APPLY LIBESTONE AND FERTILIZER ACCORDING TO SOIL TEST RECOMMENDATIONS. FERTILIZER SHALL BE
RESTRICTED TO LIME, WOOD ASH OR LOW PHOSPHATE AND SLOW RELEASE INTROGEN VARIETIES, UNLESS A
SOIL TEST WARRANTS OTHERWISE. FOOL TESTING BY NOT FEASIBLE ON SMALL OR VARIABLE SITES, OR WHERE
THIMMS IS CONTOCAL 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

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

SEDING:

1. APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL CULTIPACKER TYPE SEEDER OR HYDRO SEEDER (SLURRY INCLUDING SEED AND FERTILIZER). MORINAL SEEDING DEPTH IS FROM 1/4 TO 1/2 NICH. HYDROSEDING THAT INCLUDES MULCH MAY BE LIEFT ON SOIL SURFACE. SEEDING RATES MUST BE INCREASED BY 10X WHICH HYDROSEDING.

2. TEMPORARY SEED SHALL TYPICALLY OCCUR PRIOR TO SEPTEMBER 13.

3. AREAS SEEDE BETWEEN MAY 15 AND AUGUST 15 SHALL BE COVERED WITH HAY OR STRAW MULCH, ACCORDING TO HE TEMPORARY AND FERLIAMENT MULCHIRC PRACTICE DESCRIPED IN THE MISSIAL VOL. 3.

4. VEGETATED GROWTH COVERNIC AT LEAST SSX OF THE DISTURBED ARE SHALL BE ACREED FROM TO COVERED WITH COVERED PRIOR TO COVERED WITH COVE

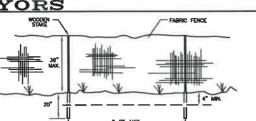
IANTENANCE REQUIREMENTS:
TEMPORARY SEEDING SHALL BE INSPECTED WEBLIT AFTER ANY RAINFALL EXCEDING 1/2 INCH IN 24 HOURS ON ACTIVE CONSTRUCTION SITES. TEMPORARY SEEDING SHALL BE INSPECTED JUST PROR TO SEPTEMBER 15, TO ASCERTAIN WHETHER ADDITIONAL SEEDING IS REQUIRED TO PROVIDE STABILIZATION OVER THE WHITER

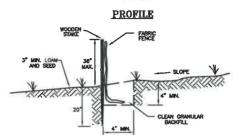
PERIOD.

BASED ON INSPECTION, AREAS SHALL BE RESPEDED TO ACHIEVE PULL STABILIZATION OF EXPOSED SOILS. F
IT IS TOO LATE IN THE PLANTING SEASON TO APPLY ADDITIONAL SEED, THEN OTHER TEMPORARY
STABILIZATION INELSURES SHALL BE IMPLEMENTED.

F ANY EXPRENCE OF EROSION OR SEDIMENTATION IS APPARENT, REPARS SHALL BE MADE AND AREAS SHALL
BE RESEDED, WITH OTHER TEMPORARY MEASURES (I.E. MULCH, ETC.) USED TO PROVIDE EROSION PROTECTION
DURING THE PERIOD OF VEGETATION ESTABLISHMENT.

FILE NO. 166 PLAN NO.C-3043 DWG. NO. 19138/S-1





#### CROSS-SECTION

<u>aintenance reguirements.</u> Fences shall be inspected and maintained immediately after each rainfall, and at least daily during prolonged

MAINTENANCE PROMOTE RESPECTED AND MAINTANGED AND MAINTANGED AND MAINTENANCE PROMOTE SHALL BE RESPECTED AND MAINTANGED AND APPROPRIATE LOCATION SO THE SEDIMENT IS NOT READLY TRANSPORTED BACK TOWARD THE SLT PENCE.

S. SLT FENCES SHALL BE REPAIRED MAINTANGED AND THE EDGES OF THE BARRIER, OR MAINTANGED BELOW THEM. IF THERE ARE SIGNS OF UNDERCUTTING AT THE CENTER OR THE EDGES OF THE BARRIER, OR MAINTANGED OF LANCE VOLUMES OF WATER BEHAVIOR THAN SEDIMENT BARRIERS SHALL BE REPLACED WITH A TEMPORARY OFCO. ON THE EMPORTED HANDES OF WATER AND SHALL THE FARRIE ON A SLT FENCE ECCOMPAGE ON BEFORE THE AND SHALL THE FARRIE CONTROL PROMOTE PROMOTED SHALL BE ORESSED TO CONFORM TO THE EDGSTMIC GRADE REPLACED AND SEEDED.

S. HIT SEDIMENT DEPOSED REMAINS ON PLACE AFTER THE SLT FENCE IS NO LUNGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EDGSTMIC GRADE REPLACED AND SEEDED.

S. THERE IS EMPORED OF DID FLOW OR PROPERLY MISHALLD BARRIERS, EXTEND BARRIERS UPHALL OR CONSIDER REPLACING THEM WITH OTHER MEASURES, AND SEEDED.

S. SLT FENCES HAVE A LISEFUL LIFE OF ONE SEASON, OUR LINGUE CONSTRUCTION PROJECTS, SLT FENCE SHALL BE REPARED PERCONCALLY AS REQUIRED TO MAINTAIN EFFECTIVENESS.

PENCIONALTY AS REQUIRED TO MAINTAIN EFFECTIVENESS.

SISTRICTION SPROFICATIONS.

FEWESS SHALL BE USED IN AREAS WHERE EROSION WILL OCCUR ONLY IN THE FORM OF SHEET EROSION AND THERE IS NO CONCENTRATION OF WATER IN A CHANNEL OR DRAINAGE WAY ABOVE THE FEMCE. SEDIMENT BARRIERS SHALL BE INSTALLED PRIOR TO ANY SOLL DISTURBANCE OF THE CONTINUENT DIMANAGE AND A TOWN.

THE MANDHUM CONTINUENT ORGANIC ARCA ROOK THE FEMCE SHALL BE LESS THAN I ACRE PER 100 LINEAR FEET OF FEMCE; THE MANDHUM SOME ABOVE THE FEMCE SHALL BE 2:1.

FEM MASSINIAL SOME ABOVE THE FEMCE SHALL BE 2:1.

FEM MASSINIAL BE INSTALLED POLLOWING THE CONTIONS OF THE LAND AS CLOSELY AS POSSIBLE, AND A 11HE PUBL OF SHALL BE INSTALLED PROLIFERING THAN INCOME.

FINE FAMES SHALL BE DIRECTION ANSWARD OF A HOUSE, ILLDER, OR THE PRESSENCE OF HEAVY ROOTS, THE BASE OF THE FAMES CHALL BE CARRIED WITH A MANDHUM THICKNESS OF B HOCKES OF JAMEN THE THE SOLL SHALL BE COMPACTED WITH A MINIMAL THICKNESS OF S HOUSE.

C. THE SOLL SHALL BE COMPACTED OWER THE BASEDOED FRANCE.

C. THE SOLL SHALL BE COMPACTED OWER THE BASEDOED FRANCE.

SUPPORT FORTS SHALL BE SIZED AND ANOHORED ACCOUNTED TO THE MANUFACTURER'S INSTRUCTIONS WITH MAXIMUM POST SPACING OF 6 FEET.

SPACING OF 6 FEET:
ADJOINING SETTIONS OF THE FENCE SHALL BE OVERLAPPED BY A MINIMAN OF 8 INCHES (24 INCHES IS PREFERRED), FOLDED
AND STAPLED TO A SUPPORT POST. BY METAL POSTS ARE USED, FARRY SHALL BE WEET-EDD DRECTLY TO THE POSTS WITH
HIRES CHARDAN TO THE STAPLED OR HANLED TO THESE.
FENDING SHALL NOT THE STAPLED OR HANLED TO THESE.
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FENDING SHALL NOT THE STAPLED OR HANLED THE OWNER OF THE STAPLED OR SHALL BE CERTIFIED.
FILTER FARRYC SHALL CONTIAN ULTRANOLET RAY BHISTIONS AND STABILIZEDS TO PROVIDE A MINIMUM OR WONTHS OF
CITED USABLE CONSTRUCTION LIFE AT A THEPSTANCE RANGE OF OR DEGREES FRAMEMENT.
IS FOR SET FENCES SHALL BE ENTIRE A HOND OWNER TOOL OF LISE POWNES FOR LIFE FOOT STEEL MITH A MINIMUM
HIN OF S FEET. STEEL POSTS SHALL HAVE, PRICEDITIONS FOR PASTERINGS WART TO HISL. POSTS SHALL BE CAUCHT.

POSTS FOR SEXT TENGES SHALL BE DIRICK 4-RICH DAWETER WOOD OR 1.33 FOUNDS PER LINEAR FOOT STEEL WITH A MINIMAL LEWGTH OF S FEET. STEEL ROSTS SHALL BE WELL PROCECTIONS FOR FASTERINA WHE TO THEM. POSTS SHALL BE FOOD ON THE DOWN SLOPE SIDE OF THE FABRIC. THE FORT OF SHALL BE FOOD ON THE FABRIC SHALL NOT EXCEED 38 HICHES AS HIGHER FENCES MAY MPOUND VOLUMES OF WATER SUFFICIENT TO THE LINEAR FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUIT TO THE LENGTH OF THE BARBERT TO AVOID THE USE OF JOINTS, WHEN JOINTS ARE RESESSANT, FLETE COTH SHALL BE SPLICED TOGETHER ONLY AT SUPPORT POST, WITH A MINIMAN 6-HICH OVERLAP, AND SECURELY SEALED.

4. A MANUFACTURED SLIT FENCE STEEM WITH INTERNAL POSTS MAY BE USED.

5. A TERRICH SHALL BE DECAMATED APPROXIMATELY 4 NOVES WICE AND 4 NOVES DEEP ALONG THE LINE OF POSTS AND UP STEEDED BY THE DECAMATED APPROXIMATELY 4 NOVES WICE HAVE AN OLD THE LINE OF POSTS AND UP STEEDED BY THE SHALL BE STEEDED BY THE SHALL BE STALLED BY "SUDNIC" USING MECHANICAL COUPPRIETT SPECIFICALLY DESIGNED FOR THIS FROCEDURE. THE STALLED BY "SUDNIC" USING MECHANICAL COUPPRIETT SPECIFICALLY DESIGNED FOR THIS FROCEDURE. THE SUCH WHEN DIES HAVE BE SUCH WERE WHEN DIES SHALL BE SUCH WERE ON HIS MAY BE WESTALLED BY "SUDNIC" USING MECHANICAL COUPPRIETT SPECIFICALLY DESIGNED FOR THIS FROCEDURE. THE SUCH WETHOUGH WISH AND HEADERST TO WEND ON SUCH SUCH THE SUTH FROME MATCH THE THE SALE SHALL BE SUCH WETHOUGH WISH AND HEADERST TO THE SOUL "SURVEY BECAUSE THE SOUL, MANTAHANC THE SOUL'S PROFILE AND OCCASION ON HIS MANTAHANC THE SOUL'S PROFILE AND CREATING AND PRIMARY BESTOLDHER SUCH AND SURFAILY DOST SHE SOUL, MANTAHANC THE SOUL'S PROFILE AND CREATING AND PRIMARY BESTOLDHER SUCH SHALL BE UNSTALLED WITH "SMELSS" OR "1-HOXES" TO REDUCE THE DRAINAGE AREA THAT ANY SECMENT MILL MEDIUM.

INFOUND.

INFOUN

#### 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		0.7 LBS.	BEST FOR FALL SEEDING. SEED FROM AUGUST 15 TO SEPTEMBER 15 FOR BEST COVER. SEED TO A DEPTH OF 1 INCH.



#### CIVIL ENGINEERS

EXCAVATE, IF NECESSARY

\_1.5° MAX.

5' MAX. E

DIZ" MEAN

FLOW

RESTRICT BASIN SIDES TO 3:1 OR FLATTER

NOTE: SIZE SPILLWAY TO CONVEY PEAK DESIGN FLOW

EMBANKMENT SECTION THRU RISER

-SEALED END CAP OUTLET PROFILE

ALTERNATE OUTLET PROFILE

SEDIMENT TRAP

TYPICAL OPEN SPILLWAY

OUTLET PIPE OR USE-ALTERNATIVE OPEN SPILLWAY

ALL SIDES 1-3 OR FLATTER

2:1 SIDE SLOPES NA PLAN VIEW

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.



**PLAN** 

SECTION BLOCK AND GRAVEL DROP INLET SEDIMENT FILTER

NOT TO SCALE

CATCH BASIN

CONSTRUCTION SPECIFICATIONS

1. PLACE CONCRETE BLOCKS LENGTHWISE ON THEIR SIDE IN A SINGLE ROW AROUND THE PERIMETER OF THE INLET, WITH THE ENDS OF ADJACENT BLOCKS ABUTTING. THE HEIGHT OF THE BARRIER CAN BE VARIED, DEPENDING ON DESION NEEDS, BY STACKING CONBINATIONS 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.

2. WINE MESH SHALL BE PLACED OVER THE OUTSIDE VETTICAL FACE (WEBBING) OF THE CONCRETE BLOCKS TO PREVENT STONE FROM BEING WEST THE HIGH SIN THE BLOCKS. HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH 1/2-INCH OPENINGS SHALL BE USED.

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

STONE SHALL BE PILED AGAINST THE WIRE TO THE TOP OF THE BLOCK BARRIER, AS SHOWN IN FOLINE: 18.7. STONE GRADATION SHALL BE WELL GRADED WITH THE MAXIMUM STONE SIZE OF 8 INCHES AND MINIMUM STONE SIZE OF 1 INCH.

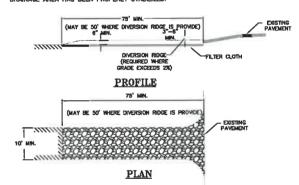
IF THE STONE FILTER BECOMES CLOGGED WITH SEDIMENT SO THAT IT NO LONGER ADEQUATELY PERFORMS ITS FUNCTION, THE STONE MUST BE PULLED AWAY FROM THE BLOCKS, CLEANED AND REPLACED.

NITEMANCE

<u>ntenance</u> The structure shall be inspected after each rain and repairs made as

THEODOSCIANT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.

STRUCTURES SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE REMAINING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.



#### TEMPORARY CONSTRUCTION EXIT NOT TO SCALE

constructed.
Constructor shall sweep the pavement at exits whenever soil materials are tracked onto 
it allicent pavement or traveled way,
on wheel wasking is required, it shall be conducted on an area stabilized with aggregate, 
ich drains into an approved sediment—trapping device. All sediment shall be prevented 
only expressed storm agains. Dittiens on whicheaves.

REDUCED TO SO FEET F A 3-MAN TO SOME THE PROJECT STEE.

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

EATER. PAD SHALL SLOPE AWAY FROM THE EASTERN AVENUE. PAD SHALL BE AT LEST 6 INCHES THICK. CORDISCILE FILTER FABRIC SAUL BE PLACED BETWEEN THE STONE PAD AND THE EARTH SURFACE.

CEDITATILE FILTER FABRIC SHALL BE PLACED BETWEEN THE STONE PAD AND THE EARTH SURFACE WITH THE PAD. AND THE EARTH SURFACE WITH THE PARTICLES CLOG THE VOIDS IN THE RESUCH THAT MUD AND SOL PARTICLES CLOG THE VOIDS IN THE RESUCH THAT MUD AND SOL PARTICLES ARE TRACKED OFF-STE.

AND DRAININGE THAT CROSSES THE LOCATION OF THE STONE PAD SHALL BE INTERCEPTED AND PIPED EATH THE PAD, AS INCESSENT, WITH SUITABLE OUTLET PROTECTION.

TEMPORARY EROSION & SEDIMENTATION CONTROL DETAILS TAX MAP 110 LOTS 10-2 THRU 10-17

FREEDOM DRIVE ROCHESTER, NH PREPARED FOR: GOLDEN OAKS LLC MARCH 2020

C-11

#### LAND SURVEYORS

RIP-RAP GRADATION

 $d50 = 3^{\circ}$ 

| R OF WEIGHT SUALER | SIZE OF STONE | THAN THE CHEN SIZE | SHE OF STONE | SHE OF

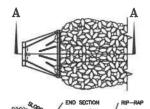
d50 = 4

d50 = 6"| X OF WEIGHT SMALER | SIZE OF STOWE | THAN THE GIVEN SIZE | (NICHES) | (NICH

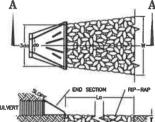
d50 = 9

| 32 O = 9 | 32 O = 5 | 32 O = 5

APRON DIMENSION TABLE



# SECTION A-A (PIPE OUTLET TO WELL DEFINED CHANNEL)



# EXISTING UB-GRADE CEUTEXTILE FABRIC

3 - OS/R PIPE M 12" CPP 3' 12' 10' 12" 3" 4 - OS/R PIPE N 12" CPP 3' 12' 7' 12" 3" 4 - OSAN PIPE N 12" CPP NOTES:

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 STOLE DETERMINED DURING HYDROLOGIC ANALYSIS HAS BEEN USED FOR ALL OUTLETS FOR ECONOMY AND
SHEPLOTY.

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

P. HANS. IT AND CONTROLLED THE FALLER MEDIUM, COLDITED HANDED UNDER ALL ROCK RIP—RAP.

2. MINIAUM OF SAND/CRAVEL BEDOING OR GEOTEXTILE FARRIC REQUIRED UNDER ALL ROCK RIP—RAP.

3. THE ROCK OR GRANEL USED FOR FILTER OR RIP—RAP SHALL CONFORM TO THE SPECIFED GRADATION.

4. GEOTEXTILE FARRICS SHALL BE PROTECTED FROM PUNCTURE OR TEATING DURING THE PLACEMENT OF ROCK RIP—RAP. DAMAGED AREAS IN THE FARRIC SHALL BE REPARRED BY PLACING A PIECE OF FARRIC OVER THE DAMAGED AREA OR BY COMPLETE REPLACEMENT OF THE FARRIC. ALL OVERLAPS REQUIRED FOR REPARRS OR JOINING THIS (2) PIECES OF FARRIC SHALL BE A STOKE OF THE FARRIC. ALL OVERLAPS REQUIRED FOR REPARRS OR JOINING THIS (2) PIECES OF FARRIC SHALL BE A STOKE OF THE FARRY BAY BY THIS CONTROLLED FOR THE STOKE SETS.

5. STOKE FOR THE RIP—RAP MAY BE PLACED BY EQUIPMENT AND SHALL BE CONSTRUCTED TO THE PULL LAYER THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO PREVIOUS ECCREPATION OF THE STOKE SETS.

5. STOKE FOR THE RIP—RAP MAY BE PLACED BY EQUIPMENT AND SHALL BE CONSTRUCTED TO THE PULL LAYER THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO PREVIOUS ECCREPATION OF THE STOKE SETS.

5. STOKE FOR THE RIP—RAP MAY BE PLACED BY EQUIPMENT AND SHALL BE CONSTRUCTED TO THE PULL LAYER THICKNESS IN ONE OPERATION AND IN SUCH OF AMANNER AS TO PREVIOUS ECCREPATION OF THE STOKE SETS.

2 - DMH1 PIPE L 15" CPP

MAINTENANCE NOTES:

1. OUTLETS SHALL BE INSPECTED AND CLEANED ANNUALLY AND AFTER ANY MAJOR STORM EVENT. ANY EROSION OR DAMAGE TO THE RIP-RAP SHALL BE REPAIRED INMEDIATELY.

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

3. THE DOWNSTREAM CHANNEL, SHOULD BE KREYT CLEAR OF DESTRUCTIONS SUCH AS FALLEN TREES, DEBTIS, AND SEDIMENT THAT COULD CHANGE FLOW PATTERNS AND/OR TAILWATER DEPTHS ON THE PIPES. REPAIRS MUST BE CARRIED OUT IMMEDIATELY TO AVOID ADDITIONAL DAMAGE TO THE GUILET PROTECTION APRON.

### PIPE OUTLET PROTECTION DETAIL

#### DUST CONTROL PRACTICES:

- APPLY DUST CONTROL MEASURES AS NECESSARY TO MAINTAIN CONTROL OF DUST ON SITE.
   MAITER APPLICATION:
   A) MOSTER EXPOSED SOIL SURFACES PERIODICALLY WITH ADEQUATE WATER TO CONTROL DUST.
   AVDID EXCESSIVE APPLICATION OF WATER THAT WOULD RESULT IN MOBILIZING SEDIMENT AND SUBSEQUENT OF STREET AND AUTOMOTION OF WATER THAT WOULD RESULT IN MOBILIZING SEDIMENT AND SUBSEQUENT OF STREET AND AUTOMOTION OF WATER THAT WOULD RESULT IN MOBILIZING SEDIMENT AND SUBSEQUENT OF STREET AND AUTOMOTION O
- DEPOSITION IN NATURAL WATERGODIES.

  3 STONE APPLICATION:

  (A) COVER SUFFACE WITH CRUSHED OR COARSE GRAVEL.

  3) IN AREAS NEAR WATERWAYS USE ORLY CHEMICALLY STABILIZED OR WASHED ACCREGATE.

  4. REFER TO "NEW HAMPSHIRE STORMWATER MANAGEMENT MANUAL, VOLUME 3 CONSTRUCTION PHASE EROSION AND SCOMENT CONTROL PRACTICES (LE. CCMMERCIAL TACKFIERS OR CHEMICAL TREATMENTS SUCH AS CALCIUM CHLORIDE, ETC.)

#### STOCKPILE PRACTICES:

FILE NO. 166

PLAN NO.C-3043 DWG. NO. 19138/S-1

- LOCATE STOOCPILES A MINIMUM OF 50-FT, AWAY FROM CONCENTRATED FLOWS OF STORMWATER, DRAINAGE COURSES OR INEITS.
   PROTECT ALL STOOCPILES PROM STORMWATER RUN-ON USING TEMPORARY PERMETER MEASURES SUCH AS DIVERSONS, BERMS, SANDBAGS OR OTHER APPROVED PRACTICES.
   STOOCPILES SHALL BE SURROUNDED BY SEDIMENT HARRIES AS DESCRIBED ON THE PLANS AND IN INFISMIN VOL. 3. TO PREVENT MIGRATION OF MATERIAL BEYOND THE IMMEDIATE CONTINES OF THE STOOCPILE.
   MIPLEMENT WIND ERSISON CONTROL PRACTICES AS APPROPRIATE ON ALL STOCKPILED MATERIAL
   PLACE BAGGED MATERIALS ON PAULETS OR UNDERCOVER.

5. PLACE UNDER STOCKPILES SHALL BE COVERED WITH ANCHORED TARPS OR PROTECTED WITH SOIL

6. INACTIVE SOIL STOCKPILES SHALL BE COVERED WITH ANCHORED TARPS OR PROTECTED WITH SOIL

5. TABLIZATION MEASURES (TEMPORARY SEED AND MULCH OR OTHER TEMPORARY STABLIZATION PRACTICE) AND

TEMPORARY PERMETER SEDIMENT BARRIERS (LE. SLIT FENCE, ETC.) AT ALL TIMES.

7. BACTIVE STOCKPILES OF CONCRETE RUSBLE, ASSPHALE, ASCREGATE MATERIALS, AND

SHALL BE STOCKPILES OF CONCRETE RUSBLE, ASSPHALE, ASCREGATE MATERIALS, AND

SHALL BE MATERIALS SHALL BE PROTECTED WITH TEMPORARY SEDIMENT PERMETER BARRIERS (LE. SLIT FENCE,

SHALL BE VIEW SHALL BE PROTECTED WITH TEMPORARY SEDIMENT PERMETER BARRIERS (LE. SLIT FENCE,

SHALL BE VIEW SHALL BE OFFICE OF THE SHALL BE SHALL BE PROTECTED WITH TEMPORARY SHALL SHALL BE DE COVERED.

ROTECTION OF ACTIVE STOCKPILES:

ALL STOCKPILES SHALL BE SURROUNDED WITH TEMPORARY LINEAR SEDMENT BARRIERS (I.E. SILT FENCE, ETC.)
PRICE TO THE OWNET OF PROEPITATION. PERMETER BARRIERS SHALL BE MAINTAINED AT ALL TIMES, AND
ADJUSTED AS NEEDED TO ACCOMMODATE THE DELIVERY AND REMOVAL OF MATERIAL FROM THE STOCKPILE.
THE INTEGRITY OF THE BARRIERS PALL BE INSPECTED AT THE OF EACH MICRORIO DAY.
WHEN A STOKE IS PREDICTED, STOCKPILES SHALL BE PROTECTED WITH AN ARCHORDED PROTECTIVE COVERING.

#### PERMANENT VEGETATION:

SITE PREPARATION:

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

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

3. RINNEFF SHALL BE DIVERTED FROM THE SEEDBED AREA.

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

A STEE IS DEBLED STRUCK.

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. INDOILINTE ALL LEGIME SEED WITH THE CORRECT TYPE OF INOCULANT.

2. APPLY SEED UNFORMLY BY HAND, CYCLONE SEEDER, DRILL CILIPACKER TYPE SEEDER OR HYDROSSEDER (SLURRY HOLDING SEED AND FERTILIZER). NORMAL SEEDING DEPTH IS FROM 1/4 TO 1/2 INCH. HYDROSEEDING THAT INCLINES MULCH MAY BE LEFT ON SOIL SURFACE.

3. WHERE FASSILE EXCEPT WHERE ETHER CULIPACKER TYPE SEEDER OR HYDROSSEDER IS USED, THE SEEDING DEPTH SEEDING OFFICIATIONS WITH A ROLLER, OR CONTROL OF THE SEEDING OFFICIAL SEEDING SEEDING OFFICIAL SEED INCESSED WITH LEGILARIES OF THE SEED OFFICIAL SEED INCESSED OFFICIAL SEED OFFICIAL SEED INCESSED OFFICIAL SEED INCESSED OFFICIAL SEED OFFICIAL SEED INCESSED OFFICIAL SEED OFFICIAL SEED INCESSED OFFICIAL SEED OFFICIAL

OUTLET PROT. # PIPE OUTLET Wo W Lo T d50

1 - F8gt PIPE H 24" CPP 6' 23' 17' 12" 3" THE SECRED SHALL BE FINALD FOLLOWING SEEDING OPERATIONS WITH A ROLLER OR LIGHT DRIAG. 
SPRING SEEDING USUALLY GIVES THE BEST RESULTS FOR ALL SEED MICES OR WITH LEGINIES. 
SPRING SEEDING USUALLY GIVES THE BEST RESULTS FOR ALL SEED MICES OR WITH LEGINIES. 
SPRING SEEDING SHALL BE COMPLETED 45 DAYS PROOF TO RISTS TOLLING FROST. WHEN 
CROWN WETCH IS SEEDED IN LATE SUMMER AT LEAST 35% OF THE SEED SHALL BE MAND 
SEED (LINSCAPPIER). IF SEEDING CANNOT BE DONE WITHIN THE SPECTIES SEEDING DRITES, 
MULCH ACCORDING TO THE TEMPORARY AND PERMANENT MULCHING" PRACTICE DESCRIBED IN 
HER MISSIA, VOL. 3. AND DELAY SEEDING UNITL. BRE NEXT RECOMMENDED SEEDING PRICEO. 
AREAS SEEDED BETWEEN MAY IS AND AUGUST 15 SHALL BE COMERDED SEEDING PRICEO. 
AREAS SEEDED SEEDING FROM THE TEMPORARY AND PERMANENT MULCHING" PRACTICE DESCRIBED IN 
MULCH ACCORDING TO THE "TEMPORARY AND PERMANENT MULCHING" PRACTICE DESCRIBED 
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MULCH ACCORDING TO THE "TEMPORARY AND PERMANENT MULCHING" PRACTICE DISTRIBUTED TO THE TEMPORARY AND PERMANENT MULCHING "PROTECTION." 4' 15' 11' 12" 3°

\*\*DROSEDING.\*\*

WHICH HYDROSEDING (HYDRALLIC APPLICATION), PREPARE THE SEDDRED AS SPECIFED ABOVE OR BY HAND RAIGHG TO LOOSEN AND SMOOTH THE SOIL AND REMOVE SURFACE STONES LARGER THAN 2 INCHES IN DIMETER.

LARGER THAN 2 INCHES IN DIMETER.

LUKE AND FERTILIZER MAY BE APPLIED SINULTANEOUSLY WITH THE SEED. THE USE OF FIBER WILLCH ACCOUNTED, THE SEED. THE USE OF FIBER WILLCH ACCOUNTED, TO HOLD STRAW OR HAY). BETTER PROTECTION IS GAINED BY USING STRAW MULCH AND HOLDING IT WITH ADHESIVE MATERIALS OR SO POUNDS PER ARCSE OF WOOD FIBER MULCH.

SEEDING RATES MUST BE INCREASED BY 10% WHEN HYDROSEDING.

AN SELIMINE MAIES MINE REPORTED BY 10% WHEN HYDROSEDIME.

MAINITERANCE PECULIFINATION:

1. PERMANENT SECIED AREAS SHALL BE INSPECTED AT LEAST MONTHLY DURING THE COURSE OF CONSTRUCTION. IMPECTION, MAINTENANCE AND CORRECTIVE ACTIONS SHALL CONTINUE LUTILL THE OWNER ASSUMES PERMANENT OFERATION OF THE SITE.

SECIED AREAS SHALL BE MORED AS REQUIRED TO MAINTAIN A HEALTHY STAND OF CONTINUE OF THE STAND OF THE STA

#### PERMANENT VEGETATION SEEDING RECOMMENDATIONS

USE	NIXTURE	SPECIES	LBS./ACRE	1.85./ 1,000-9F
STEEP CUTS AND FILLS, BORROW AND DISPOSAL AREAS	A	TALL FESCUE CREEPING RED FESCUE RED TOP TOTAL	20 20 2 42	0.45 0.45 0.05 0.95
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	۸	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

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

CONSTRUCTION PHASING:

STABILIZATION:
A STE IS DEPUED STABILIZED WHEN IT IS IN A CONDITION IN WHICH THE SOL ON STE MILL MOT EXPERIENCE ACCELERATED OR UNNATURAL ENGSION UNDER THE CONDITIONS OF A 10-YEAR STORM EVENT, SUCH AS BUT NOT LIMITED TO:

AN AREAS THAT WILL NOT RE PAYED.

A MINIMUM OF 55% VEGETATIVE COVER HAS BEEN ESTABLISHED;

A MINIMUM OF 55% VEGETATIVE COVER HAS BEEN ESTABLISHED;

O) A MINIMUM OF 85% VECETATIVE COVER HAS BEEN ESTABLISHED;
b) A MINIMUM OF 3-INCHES OR MOLEROSVE MATERIAL SUCH AS STONE OR A
CERTIFIED COMPOST BLANGET HAS BEEN INSTALLED, OR;
c) ENGISION CONTROL BLANGET HAVE BEEN INSTALLED,
BIN AREAS TO BE PLAYED;
c) BASE COURSE GRANELS HAVE BEEN INSTALLED.

TEMPORARY STABILIZATION;
ALL AREAS OF EXPOSED IN DISTURBED SOU, SHALL BE TEMPORARILY STABILIZED AS
SOON AS PRACTICABLE BUT NO LATER THAN 45 DAYS, FROM THE TIME OF INITIAL
DISTURBANCE, UNLESS A PROTRET THIS IS SPECIFIED BY LOCAL AUTHORITIES, THE
CONSTRUCTION SECUENCE APPROVED AS PART OF THE ISSUED PERMIT OR AN
INDEPRINCENT MONITOR.

SOON AS PRACTICABLE BUT NO LATER THAN 45 DAYS FROM THE THE OF INITIAL DISTURBANCE UNLESS A SHORTER THE IS SECRETED BY LOCAL AUTHORIES. THE CONSTRUCTION SCIENCE APPROVED AS PART OF THE ISSUED PERMIT OR AN ASSOCIATION SCIENCE APPROVED AS PART OF THE ISSUED PERMIT OR AN ASSOCIATION SCIENCE APPROVED AS PART OF THE ISSUED PERMIT OR AN ASSOCIATION SCIENCE APPROVED ON STURBED SOIL SHALL BE PERMIANENTLY STRAILIZED 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. THE SMALLSET PRACTICAL AREA SHALL BE DISTURBED DURING CONSTRUCTION, NO MORE THAN 3 ACRES SHALL BE DISTURBED (NOT STABILIZED) AT ANY TIME.

ONE THAN 3 ACRES SHALL BE DISTURBED (NOT STABILIZED) AT ANY TIME.

ONE THAN 3 ACRES SHALL BE DISTURBED (NOT STABILIZED) AT ANY TIME.

ONE THAN 3 ACRES SHALL BE DISTURBED (NOT STABILIZED) AT ANY TIME.

ONE THAN 3 ACRES SHALL BE DESTURBED (NOT STABILIZED) AT ANY TIME.

BY LICLLING VIBRICAS AND CONSTRUCTION EQUIPMENT FROM THESE AREAS TO PRESENTE NATURAL MEGRATION.

BY LICLLING VIBRICAS AND CONSTRUCTION EQUIPMENT FROM THESE AREAS TO DESCRIBE AND CONSTRUCTION IN ACCORDANCE WITH THE APPROVED BROWN AND CONSTRUCTION IN ACCORDANCE WITH THE APPROVED FROM A CONSTRUCTION AND CONSTRUCTION AND CONSTRUCTION AND CONSTRUCTION AND CONSTRUCTION AND CONSTRUCTION APPLIES AND ANAITAMENT OF VEGETATION SHALL BE STOCKYPLED IN THE AMOUNT NECESSARY TO COMPLETE FINISHED GRADING AND BE PROTECTED THOSE AND ANAITAMENT OF VEGETATION SHALL BE STOCKYPLED IN THE AMOUNT NECESSARY TO COMPLETE FINISHED GRADING AND BE PROTECTED THOSE AND ANAITAMENT OF VEGETATION SHALL BE STOCKYPLED IN THE AMOUNT NECESSARY TO COMPLETE FINISHED GRADING AND BE PROTECTED THAN BE AMOUNT NECESSARY TO COMPLETE FINISHED GRADING AND BE PROTECTED THAN ADAINANCE AND ANAITAMENT OF VEGETATION SHALL BE STOCKYPLED IN THE AMOUNT NECESSARY TO COMPLETE FINISHED GRADING AND BE PROTECTED THAN ADAINANCE AND ANAITAMENT OF VEGETATION SHALL BE STOCKYPLED AND ANAITAMENT OF VEGETATION SHALL BE STOCKYPLED AND A

GEOTECHNICAL REPORT ANG/OR THE "PROJECT SPECIFIC PHASING NOTES" FOR SPECIFIC QUIDANCE.

5. ANY AND ALL FILL HATERIAL SHALL BE FREE OF BRUSH, RUBBISH, ROCKS (LARGER THAN 3/4 HE DEPTH OF THE LIFT BEING INSTALLED), LOOS, STUMPS, BUILDING DEBSS, FROZEN MARENIAL, AND OTHER COLECTIONABLE MATERIALS THAT WOULD HITERER HIM OR RESOLVED CONSTRUCTION OF SATISFACTORY LIFTS.

MATERIALS ARE SUSCIPTIBLE TO ACCELERATED SETTLEMENT AND POTENTIAL ACCELERATED SETTLEMENT AND POTENTIAL REPORTING UNDER THE DIRECTION OF A PROFESSIONAL ENGINEERY PROPERTY OF THE CHIEF PACE OF THE FILL SLOPE SHALL BE ALLOWED TO STAY LOOSE, HOT THE CHIEF PACE OF THE FILL SLOPE SHALL BE ALLOWED TO STAY LOOSE, HOT DOWN THE FILL SLOPE SHALL BE ALLOWED TO STAY LOOSE, HOT DOWN THE FILL SLOPE SHALL BE ALLOWED TO STAY LOOSE, HOT DOWN THE FILL SLOPE SHALL BE ALLOWED TO STAY LOOSE, HOT DOWN THE FILL SLOPE SHALL BE ALLOWED TO STAY LOOSE, HOT DOWN THE FILL SLOPE SHALL BE ALLOWED TO STAY LOOSE, HOT DOWN THE FILL SLOPE SHALL BE ALLOWED TO STAY LOOSE, HOT DOWN THE FILL SLOPE SHALL BE ALLOWED TO STAY LOOSE, HOT DOWN THE FILL SLOPE SHALL BE ALLOWED TO STAY LOOSE HOT DOWN THE FILL SLOPE SHALL BE ALLOWED TO MOST, DOCESSIVE COMPACTION WILL NOT OCCUR. SEE "SUBFACE ROUGHTSHING" IN THE HISSIM, VOL.3.

ROUGHEN THE SURFACE OF ALL SLOPES DUBRING THE CONSTRUCTION OFFERTION OF STABLISHMENT.

REPORT WATER, MICHAELS BEFLITATION AND PACULTATE VECTTATION ESTABLISHMENT.

APPROPRIATE TO REDUCE THE LIBERTY OF CUIT-FILL SLOPES TO LIBIT NEET AND RILL BERGED TO RETURN THE LIBERTY OF CUIT-FILL SLOPES TO LIBIT NEET AND RELEASED OF SPRINGS BICCUNITERED DURING CONSTRUCTION SHALL BE EVALUATED BY A ENCESSED ON SPRINGS BICCUNITERED DURING CONSTRUCTION SHALL BE EVALUATED BY A ENCESSE OR SPRINGS BICCUNITERED DURING CONSTRUCTION SHALL BE EVALUATED BY A ENCESSE OR SPRINGS BICCUNITERED DURING CONSTRUCTION OF SHALL BE EVALUATED BY A ENCESSE OR SPRINGS BICCUNITERED DURING CONSTRUCTION SHALL BE EVALUATED BY A ENCESSE OR SPRINGS BICCUNITERED DURING CONSTRUCTION SHALL BE EVALUATED BY A ENCESSE OR SPRINGS BICC

20. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE EVALUATED BY A PROFESSIONAL FISHERE (PREFERRALY THE DESIGN ENGINEER) TO DETERMINE IF THE PROPOSED DESIGN SHALL BE REVISED TO PROPERLY MANAGE THE CONDITION.

STABILIZE ALL CRADED AREAS (AS ABOVE) WITH VEGETATION, CRUHED STONE, COMPOST BLANKET, OR OTHER RORUND COVER AS SOON AS GRADING IS COMPLETE OR F WORK IS INTERPUTED FOR 21 WORKING DAYS OR MORE. USE MULCH OR OTHER APPROVED METHODS TO STABILIZE AREAS TEMPORABILY WHERE FINAL GRADING MUST BE DELAYED.

22. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY FOLLOWING FINNSHED GRADING.

23. THE PROJECT SHALL BE CONSTRUCTED TO MEET ALL REQUIREMENTS AND INTENT OF REA 4302 ES AND CHAPTER ARG 3500 RELATIVE TO IMMEDIATELY SPECIES.

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

# PROJECT SPECIFIC

CONSTRUCTION PHASING:

ASSOCIATES, INC. (603)-335-3948.

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

PROJECT SPECIFIC

CONSTRUCTION PHASING:

1. REFER TO THE "GENERAL CONSTRUCTION PHASING" NOTES PRIOR TO COMMENTATION OF COMMENT OF THE PROPERTY OF COMMENTATION OF COMMENTATION OF THE PROPERTY OF COMMENTATION OF THE PROPERTY OF COMMENTATION OF THE PROPERTY OF COMMENTATION OF THE CONSTRUCTION OF THE PROPERTY OF THE CONSTRUCTION STEELS DEPORTED ON SHEET C.—4 PRIOR TO EARTH MOVING OPERATIONS.

3. INSTALL CRAMEE SNOW FENCE AROUND THE PERIMETER OF THE INSTITUTION OF THE SAND AND THE PENCE SHALL REMAIN IN PLACE UNTIL CONSTRUCTION OF THE SAND AND THE PENCE SHALL REMAIN IN PLACE UNTIL CONSTRUCTION OF THE SAND AND THE PENCE SHALL REMAIN IN PLACE UNTIL CONSTRUCTION OF THE SAND AND THE PENCE SHALL REMAIN IN PLACE UNTIL CONSTRUCTION OF THE SAND AND THE PENCE SHALL REMAIN IN PLACE UNTIL CONSTRUCTION OF THE SAND AND THE PENCE SHALL REMAIN IN PLACE UNTIL CONSTRUCTION OF THE SAND AND THE PENCE SHALL REMAIN IN PLACE UNTIL CONSTRUCTION OF THE SAND AND THE PENCE SHALL REMAIN IN PLACE UNTIL CONSTRUCTION OF THE SAND AND THE PENCE SHALL REMAIN IN PLACE UNTIL CONSTRUCTION OF THE SAND AND THE PENCE SHALL REMAIN IN PLACE UNTIL CONSTRUCTION OF THE SAND AND THE PENCE SHALL BE DISPOSED OF OFF-SITE IN ADDICATED OF THE THEORY OF THE SAND AND ADDICATED AND THE SAND AND THE S

ALL DAMAGED TEMPORAPIED INFOSMOUS DISJOSSED IN THE UCFUNES TWE DAVIN 
STORMWATER MANAGEMENT PRACTICES SHOULD BE REPAIRED OR 
REPLACED IMBEDIATELY LYON NOTICE.

4. SEDMENT SHALL BE DISPOSED OF PROPERLY ETHER ON SITE OR OFF SITE. 
PROMECT CEMPORAPIETION AND STABLEZATION.

1. (VEGETATION IS GERMINATED), THE TEMPORARY SEDMENT CONTROL 
BARRIERS AND ENCISION CONTROL PRACTICES SHALL BE REMOVED. ANY 
DISTURBANCE CREATED DURING REMOVAL SHALL BE REPAIRED IN AN 
APPROPRIATE MANNER.

2. ACCUMULATED SEDMENT SHALL BE REMOVED FROM ALL ON SITE CATCH 
BASSIS AND THE SEDMENT FOREDAY.

# SCOTT LAWLER No.10026

REVISE NOTE 1 IN SEEDBED PREPARATION UNDER PERMANENT VECETATION

#### WINTER STABILIZATION & CONSTRUCTION PRACTICES:

MANITHANCE SCOURSMENTS

1. MANITHANCE SEQUESTION SHALL BE PERFORMED THROUGHOUT
CONSTRUCTION, INCLUDING OWER THE WINTER PERIOD. AFTER EACH
RAINFALL, SKOWSTORM, OR PERIOD OF THAWING AND RUNOFF, THE STE
CONTRACTOR SHALL CONDUCT INSPECTION OF ALL INSTALLED EROSON
CONTRICE PRACTICES AND PERFORM REPAIRS AS NEEDED TO INSIDE THEIR
CONTRICE PRINCIPION.

2. TO THE CONTRICE SHALL CONDUCT SHALL CONDUCT
AN INSPECTION IN THE SPRING TO ASCENTIAN THE CONDITION OF THE
VEGETATION AND REPAIR ANY DAMAGED AREAS OR BARE SPOTS AND
RESSED AS REQUIRED TO ANGIEVE AN ESTBELISHED VEGETATIVE COVER (AT
LEAST 85% OF AREA VEGETATED WITH HEALTHY, VIGOROUS GROWTH.)

RESETATION AND REPAIR ANY DAMAGED AREAS OR BARE SPOTS AND
RESED AS REQUIRED TO ACHIEVE AN ESTABLISHED VECTETATIVE COVER (AT
LEAST 63% OF AREA VEGETATED WITH HEALTHY, VIGOROUS GROWTH.)

SPECIFICATIONS.

THE FOLLOWING STRAILLATION TECHNIQUES SHALL BE EMPLOYED DURING THE
PIPE TO ACCOUNT OF THE STRAILLATION TECHNIQUES SHALL BE LIMITED TO 1—ACRE
THE FOLLOWING STRAILLATION TECHNIQUES SHALL BE LIMITED TO 1—ACRE
THE AREA OF DEPOSED, UNSTABLIZED SOIL SHALL BE LIMITED TO 1—ACRE
AND SHALL BE PROTECTED ACAINST EROSON BY THE METHODS DISCUSSED
IN INISIAL, VIOL. 3 AND ELSEWIERE IN THIS PLAN SET, PRIOR TO ANY
THAY OR SPRING BELT EVENT. LID ECCONPLETED WITHIN A DAY OF
STRAILLATION AS FOLLOWS SHALL BE COMPLETED WITHIN A DAY OF
STRAILLATION AS FOLLOWS SHALL BE COMPLETED WITHIN A DAY OF
STRAILLATION AS FOLLOWS THAT IS FINAL OR THAT OTHERWISE WILL EXIST
AN ALL PROPOSED VECETATED AREAS HAVING A SLOPE OF LESS THAN 15X
AN ALL PROPOSED VECETATED AREAS HAVING A SLOPE OF LESS THAN 15X
AND AND DOWN OF THE OCTOBER 19, SHALL BE SEEDED AND COVERED
WITH 3 PROPOSED VECETATED AREAS HAVING A SLOPE OF GREATER THAN
15X WHICH DO NOT EXHIBIT A MINIMUM SEX VECETATIVE GROWTH BY
COMPLETE THE ACCOUNT OF THE COTOBER 19, SHALL BE SEEDED AND COVERED
WITH 3 PROPOSED VECETATED AREAS HAVING A SLOPE OF GREATER THAN
15X WHICH DO NOT EXHIBIT A MINIMUM OF 85X VECETATIVE GROWTH
BY OR ARE DISTURBED AFFER COTOBER 19, SHALL BE SEEDED AND COVERED
WITH 3 PROPOSED VECETATED AREAS HAVING A SLOPE OF GREATER THAN
15X WHICH DO NOT EXHIBIT A MINIMUM OF 85X VECETATIVE GROWTH
BY OR ARE DISTURBED AFFER COTOBER 19, SHALL BE SEEDED AND COVERED
OTHER WITH A PROPEDED THE OCTOBER 19, SHALL BE SEEDED AND COVERED
OTHER WITH A PROPEDED OF SECURITY OF THE ACCOUNT OF THE ACCOUNT

SPACING BETWEEN CHECK DAMS SLOPE LENCTH (FT/FT) (FT) DRAINAGEWAY CROSS-SECTION 2" - 3" STONE >

L = THE DISTANCE SUCH THAT POINTS
A & B ARE OF FOUAL FLEVATION.

SPACING BETWEEN STONE CHECK DAMS

MAINTENANCE NOTES.

1. RESPONANT GRADE STABILIZATION STRUCTURES SHOULD BE INSPECTED AFTER EACH STORM AND DALLY DURING PROLONGED STORM CEVENTS. ANY DAMAGE TO THE STRUCTURES SHALL BE REPARED IMMEDIATELY.

2. PARTICULAR ATTENTION SHOULD BE GIVEN TO DOE BUIN AND ENGINE AT THE DOWNSTREAM TOE OF THE STRUCTURE.

3. PRINCIPLE AND ASSESSED AND MALCHES STRUCTURE AREAS SHALL BE REPORTED, SEEDE AND MALCHES STRUCTURE.

4. SEDMENT SHALL BE REMOVED FROM BEHIND THE STRUCTURES WHEN IT REACHES 1/2 THE ORIGINAL HEIGHT OF THE STRUCTURES.

STONE CHECK DAM INSTALLATION DETAIL

PERMANENT EROSION & CONSTRUCTION SPECIFICATIONS:

STRUCTURES SHALL BE INSTALLED ACCORDING TO THE DIMENSIONS SHOWN ON THE PLANS AT THE APPROPRIATE SPACING.
CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MAINER SO THAT EROSION, AIR AND WATER POLLUTION
SEDIMENTATION CONTROL

2. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MAINER SO THAT EROSION, AIR AND WATER POLLUTION

SEDIMENTATION
CONTROL

1. STRUCTURE SHALL BE INSTALLED ACCORDING TO THE DIMENSIONS SHOWN ON THE PLANS AT THE APPROPRIATE SPACING.
2. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MAINER SO THAT EROSION, AIR AND WATER POLLUTION

SEDIMENTATION
CONTROL

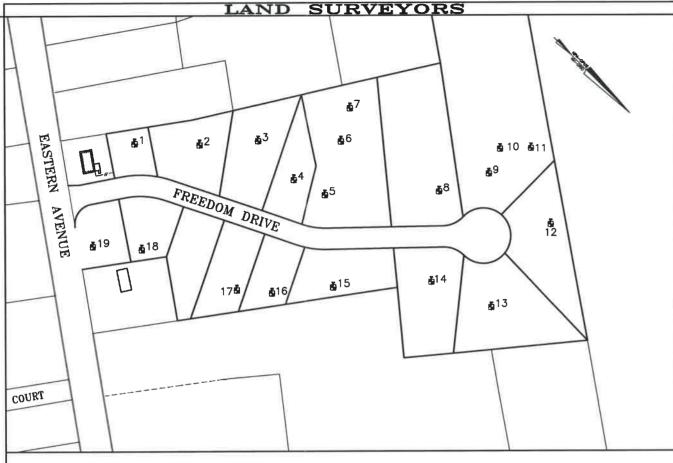
1. STRUCTURE SHALL BE INSTALLED ACCORDING TO THE DIMENSIONS SHOWN ON THE PLANS AT THE APPROPRIATE SPACING.
2. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH AS MAINER SO THAT EROSION, AIR AND WATER POLLUTION

SEDIMENTATION
CONTROL

CONSTRUCTION OPERATIONS
CONSTRUCTION OPERATION OPERATIONS
CONSTRUCTION OPERATIONS
CONSTRUCTION OPERATION TAX MAP 110

LOTS 10-2 THRU 10-17 FREEDOM DRIVE ROCHESTER, NH PREPARED FOR: GOLDEN OAKS LLC

C-12





#### CIVIL ENGINEERS

TEST PIT DATA:

THE SOLS ON THE REFERENCED PROPERTY WERE EXAMINED BY DAVID J. ALLAIN CSS#13 ON FEBRUARY 24 AND 28, 2020 TO PROPERLY ADDRESS DRAWAGE AND RECULATORY REQUIREMENTS. THE SOIL PROFILES WERE EXAMINED AND RECORDED USING MRCS, SSSNME AND MADES CRITERIA AS FOLLOWS.

TP\$ 1 (2-24-2020)
D-3\* TORTS/2 SNATO\* LOAM, GRANULAR, FRIABLE
3-12\* TORTS/4 LOAM\* SNAD, GRANULAR, FRIABLE
12-48\* TOTRS/2 LOAM\* SNAD, MASSIE, FIRM IN PLACE FRIABLE IN HAND,
REDIX CONCENTRATIONS AND DEPLETIONS.
NOTES: SHIFT AT 12\* NO OBSERVED MATER, (915) DEERFIELD VARIANT, SOMEWHAT POORLY DRAINED, BECAUSE THE SHIFT IS LESS THAN
24\*. THE HYDROLOGIC SOL GROUP IS D.,

TP# 2 (2-24-2020)
0-2 10/R3/2 SANDY LOM, GRANILAR, FRABLE
2-25 13/R3/5 LOMNT SAND, GRANILAR, FRABLE
2-26 13/R3/5 LOMNT SAND, GRANILAR, FRABLE
2-36 10/R3/2 LOMNT SAND, MASSINE, FIRM IN PLACE FRABLE IN HAND. REDOX CONCENTRATIONS AND DEPLETIONS.
NOTES: SHWT AT 25', OBSERVED WATER AT 29', (313) DEERFIELD SERIES, MODERATELY WELL DRAINED. HYDROLOGIC GROUP B.

TP# 3 (2-24-2020)
0-5\* 10763/2 SANDY LOMA, GRANULAR, FRABLE
5-36\* 13765/6 LOMAY SAND, GRANULAR, FRABLE
36-36\* 10766/2 LOMAY SAND, GRANULAR, FRABLE
36-36\* 10766/2 LOMAY SAND, MASSINE, FRABLE REDOX CONCENTRATIONS AND DEPLETIONS.
NOTES: SHIRT AT SAY, NO GERRED MATER, (1315) DEEPPELD SERIES, MODERATELY MELL DRAINED. HYDROLLOGIC SOIL GROUP B.

TF# 4 (2-24-2020)
0-3\* 10182/2 SMOT LOMM, GRANULAR, FRUALE
3-24\* 10782/6 LOMMY SMO, GRANULAR, FRUALE
24-84\* 10786/2 LOMMY SMO, MASSIVE, FRUI IN PLACE FRUALE IN HAND,
REDOX CONCENTRATIONS AND DEPLETIONS.
NOTES: SHIRT AT 24\*, OBSERVED WATER AT 48\*, (313) DEERFIELD SERIES, MODERATELY WELL DRAINED. HYDROLOGIC SOIL GROUP B.

TP\$ 5 (2-24-2020)
C-3\* TORRE/2 SNATO\* LOAM, GRANULAR, FRASLE
3-16\* TORRE/2 LOAMY SNAD, GRANULAR, FRASLE
18-46\* TORRE/2 LOAMY SNAD, GRANULAR, FRASLE
18-46\* TORRE/2 LOAMY SNAD, MASSWE, FRASLE
REDOX CONCOMPRIATIONS AND DEPLETIONS.
NOTES: SHWT AT 16\*, DESERMED WATER AT 46\*, (313) DEERFIELD SERIES, MODERATELY WELL DRAINED, SÉCAUSE THE SHWT IS LESS THA
24\*, THE HYDROLOGIC SOL GROUP IS D.

THE 6 (2-24-2020)
D-3" TORES/2 SANDY LIDAR, GRANKLAR, FRANKLE.
3-6" TORE 5/4 LIDARY SAND, GRANKLAR, FRANKLE.
3-6" TORE 5/4 LIDARY SAND, GRANKLAR, FRANKLE.
3-8" TORES/8" LIDARY SAND, GRANKLAR, FRANKLE, FEW CORRILE SIZE STONES.
38-35" TORES/8" LIDARY SANDS, MISSENC, FRANK, REDOX CONCENTRATIONS AND DEPLETIONS.
38-35" TORES 3/4" TO 3/5", NO OBSENCEMENT MIRTER, (313) DEERFIELD SERES, MODERANELY WILL DRAINED. HYDROLOGIC SOIL GROUP B.

TF# 7 (2-24-020)
0-2 10TR2/2 SHNDT LOM, GRANILAR, FRIABLE.
2-7 10TR 3/4 LOMAT SHND, GRANILAR, FRIABLE.
7-30\* 10TR3/4 LOMAT SHND, GRANILAR, FRIABLE, FDW COBBLE SIZE STONES.
30-62\* 10TR 3/5 LOMAT SHND, GRANILAR, FRIABLE, FDW COBBLE SIZE STONES.
NOTES: SHNT 30T, OSESINGD HAIDER AT 58\*, (313) DEEPFELD SERIES, MODEFATELY WELL DRAINED. HYDROLOGIC SOIL GROUP B.

THE 8 (2-24-2020)
0-8° TERRA/4 SANDY LOAM, GRANULAR, FRUBELE
6-18° IOR'S /6 LOAMY SAND, GRANULAR, FRUBELE
18-28° TOR'S/4 LOAMY SAND, MASSINE, FRUBELE
18-28° TOR'S/4 LOAMY SAND, MASSINE, FRUBELE, REDOX CONCENTRATIONS AND DEPLETIONS.
NOTES: SHINT 28°, OBSERVED WATER AT 82°, (313) DEERFIELD SERIES, MODERATELY WELL DRAWNED. HYDROLOGIC SOIL GROUP B.

TP# 9 (2-24-2020)
0-10° 17875/4 SNIOTY LDML, GRANULAR, FRABLE.
10-33" ION'S 9/5 LDMLY SNIO, GRANULAR, FRABLE.
33"-BM-1078 6/2 LDMLY SNIOS, MISSINE, FRAI, REDOX CONCENTRATIONS AND DEPLETIONS.
NOTES: SHIMT 33". NO DESERVED WATER, (313) DEERFELD SRIES, MODERATELY WELL DRAINED. HYDROLOGIC SOIL GROUP B.

TP\$ 10 (2-24-2020)

TP\$ 10 (2-24-2020)

O-2\* 10472/2 SANDY LOMM, GRANULAR, FRABLE

O-2\* 10476/2 LOANY SAND, GRANULAR, FRABLE

O-30\* 107476/2 LOANY SAND, GRANULAR, FRABLE,

30-38\* 1074 6/2 LOANY SAND, GRANULAR, FRABLE,

30-38\* 1074 6/2 LOANY SANDS, MASSIVE, FRABLE,

SO-38\* 1074 6/2 LOANY SANDS, MASSIVE, FRABLE,

MINTES: SHIPT 30\*, NO OBSERVED WATER, (313) DEBERFIELD SERIES, MODERATELY WELL DRAINED. HYDROLOGIC SOIL GROUP B.

NOTES: LYMM 34, NO OBSERVED WATER, (313) DEERFIELD SERIES, MODERATELY WELL DRAINED. HTDROLOGIC SOL GROUP B.

TF# 12 (2-24-2020)
0-2" 10ft2/2 SMBDY LOAM, GRANULAR, FRUBLE.
2-4 10ft 3/4 LOAMY SAND, GRANULAR, FRUBLE.
4- 30" 10ft2/6 LOAMY SAND, GRANULAR, FRUBLE, FEW COBBLE SIZE STONES.
30-60" 10ft 6/2 LOAMY SAND, GRANULAR, FRUBLE, FEW COBBLE SIZE STONES.
30-60" 10ft 6/2 LOAMY SAND, GRANULAR, FRUBLE IN PLACE FRUBLE IN HAND, REDOX CONCENTRATIONS AND DEPLETIONS.
NOTES: SHIRT 30", GOSGINFED WATER AT 38", (313) DEERFIELD SERIES, MODERATELY WELL DRAINED, HYDROLOGIC SOIL, GROUP B.

THE 14 (2-24-2020)

0-2\* IONTR2/2 SWIDY LOMI, GRANULAR, FRIABLE.

2-12\* IONTR3/5 LOMAY SAND, GRANULAR, FRIABLE.

12\*-023\* IONTR3/6 LOMAY SAND, GRANULAR, FRIABLE.

12\*-023\* IONTR3/6 LOMAY SAND, GRANULAR, FRIABLE IN HAND, REDOX CONCENTRATIONS AND DEPLETIONS.

NOTES: SHIFT 23\*, NO GESERYED WATER. (313) DEERFIELD SERIES, MODERATELY WELL DRAINED. BECAUSE THE SHIFT IS LESS THAT THE HYDROLOGO SOUL GROUP IS D.

0-2 10782/2 SANDY LOWI, GRANDLAR, FRUBLE. 2-8° 1078:5/4 LOWIN' SAND, GARAULAR, FRUBLE. 9- 26° 1078:5/5 LOWIN' SANDS, MASSINE, FRUBLE. 28-82° 1078:5/5 LOWIN' SANDS, IMASSINE, FIRM IN PLACE FRUBLE IN HAND, REDOX CONCENTRATIONS AND DEPLETIONS. MOTES: SANT' 26°, OBSERVED WATER AT 46°, (313) DEERPELD SERIES, MODERATELY WELL DRAINED. HYDROLOGIC SOIL GROUP E NOTES: STRIF 20, "\*\*\*

TP# 17 (2-24-2020)

TP#

TOPE 18 (2-28-2020)

0-2: 101782/2 SANDY LOAM, GRANULAR, FRABLE.

2-5: 10178 5/4 LOAMY SAND, GRANULAR, FRABLE.

2-5: 10178 5/4 LOAMY SAND, GRANULAR, FRABLE.

2-5: 10178 5/4 LOAMY SAND, GRANULAR, FRABLE, FEW COBBLE SIZE STONES.

25-45: 10178 6/2 LOAMY SAND, MASSIVE, FRABLE, FEW COBBLE SIZE STONES.

40-1018: SAND 125; MO OBSERNED WATER, (313) DEEDTREAD SERIES, MODERNIELY WELL DRAINED. HYDROLOGIC SOIL GROUP B.

TOF 19 (2-28-2020)
0-2 TOTRZ/Z SANOT LOM, GRANULAR, FRAMELE.
2-6 TOTR 3/4 LOMAY SAND, GRANULAR, FRAMELE.
8- 25 TOTRS/6 LOMAY SAND, GRANULAR, FRAMELE, MANY COBBLE SIZE STONES.
8- 25 TOTRS/6 LOMAY SAND, GRANULAR, FRAMELE, MANY COBBLE SIZE STONES.
8-25-50 TOTR 6/2 LOMAY SANDS, MASSINE, FRAMEL, REDOX CONCENTRATIONS AND DEPLETIONS.
NOTES: SHIPT 25, OBSERVED WATER ENTERING RAPIOLY FROM DOWN HILL SIDE, (313) DEERRIELD SERIES, MODERATELY WELL.
HOROCOGOS SOLL GROUP 8.



TAX MAP 110 - LOT 10-00, LOTS 10-2 THRU 10-17 OWNER OF RECORD: ARTHUR TAXLOR, JR. 479 TOVAR DRIVE SAN JOSE, CA 95123-4948 EK 3434, PG 903

TEST PIT DATA TAX MAP 110 LOTS 10-2 THRU 10-17 FREEDOM DRIVE ROCHESTER. NH

GOLDEN OAKS DEVELOPMENT, LLC

MARCH 2020 GRAPHIC SCALE 50 100 200

C-13



FILE NO. 166 PLAN NO.C-3043 DWG. NO. 19138/S-1 F.B. NO. 33 CEK 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 CONTECNICAL 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 PLASE CONTACT THE ENGINEERING STAFF AT NORWAY PLAINS ASSOCIATES, INC. (603)—335—3948.