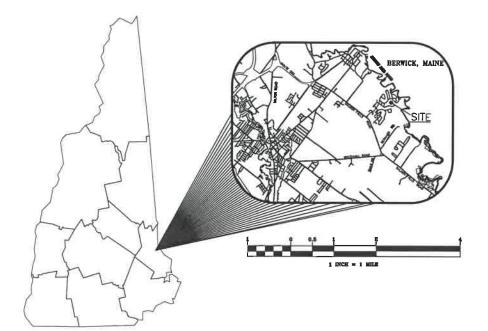
TARA ESTATES

DIAMONDBACK DRIVE

PREPARED FOR

TARA ESTATES COMMUNITY DECEMBER 2021



CIVIL ENGINEERS

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

F.R. NO.

OWNER OF RECORD

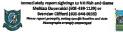
TAX MAP 224, LOT 309
OWNER OF RECORD:
TARA ESTATES COMMUNITY
716 SALMON FALLS ROAD
ROCHESTER, NH 03868
SCRD BOOK 3916, PAGE 72

APPLICANT

TARA ESTATES COMMUNITY 716 SALMON FALLS ROAD ROCHESTER, NH 03868 (603) 332-4030

Northern Black Racer





NPDES PERMITS CONSIST OF A NOTICE OF INTENT (NOI) FILED WITH THE ENVIRONMENTAL PROTECTION ACENCY 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.

Ryan O'Conne Planning Board Approved HHZZ

SHEET INDEX COVER
SHEET E-1 EXISTING FEATURES
SHEET E-2 APPROVED CONFIGURATION - 1986
SHEET C-1 OVERALL SITE PLAN
SHEET C-2 GRADING AND DRAINAGE PLAN
SHEET C-3 EROSION AND SEDIMENTATION CONTROL PLAN
TEMPORARY EROSION AND SEDIMENTATION
CONTROL DETAILS
SHEET C-5 PERMANENT EROSION AND SEDIMENTATION
CONTROL DETAILS
SHEET C-5 CONTROL DETAILS
CONTROL OFTAILS
CONTROL OFTAILS 1" = 100' 1" = 60' 1" = 60' 1" = 50' 1" = 50' AS SHOWN AS SHOWN CONTROL DETAILS CONTROL DETAILS
SHEET C-6 DRAINAGE DETAIL
SHEET C-7 INFILTRATION BAS
SHEET C-8 ROADWAY PLAN
SHEET C-9 ROADWAY PROFIL
SHEET C-10 UTILITY PLAN AS SHOWN AS SHOWN 1" = 50' AS SHOWN 1" = 50' AS SHOWN DRAINAGE DETAILS INFILTRATION BASIN DETAIL C-8 ROADWAY PLAN
C-9 ROADWAY PROFILE
C-10 UTILITY PLAN
C-11 GRAVITY SEWER A PROFILE
C-12 GRAVITY SEWER B & C PROFILE
C-13 SANITARY SEWER DETAILS SHEET C-12 GRAVITY SEWER B & C SHEET C-13 SANITARY SEWER DETAIL SHEET C-14 UTILITY DETAILS SHEET C-15 CONSTRUCTION DETAILS AS SHOWN AS SHOWN AS SHOWN AS SHOWN

OVERALL SITE

1" = 500'

MAINE

NEW HAMPSHIRE

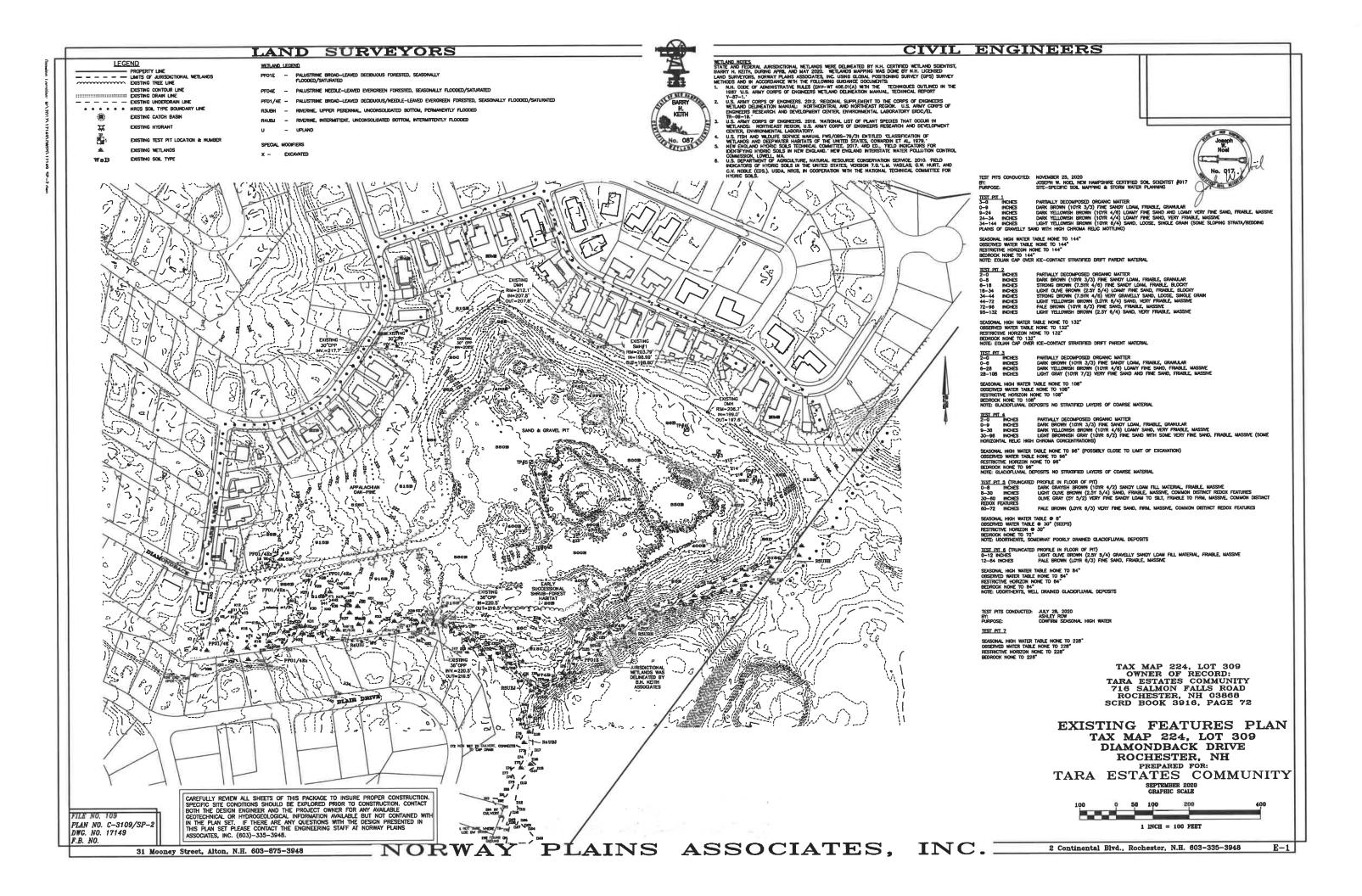
CERTIFIED BY: DATE: 5/13/22

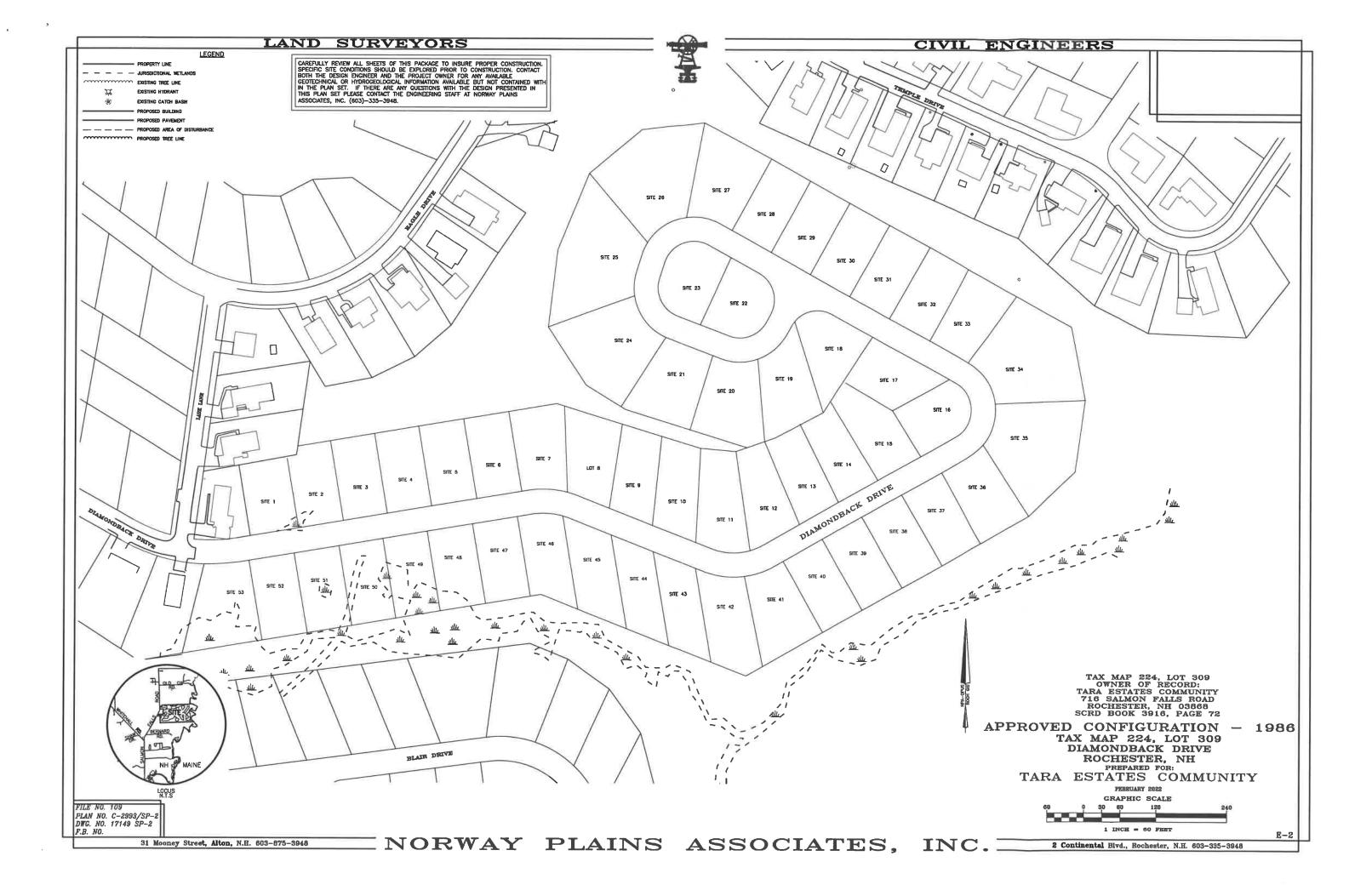
FINAL APPROVAL BY ROCHESTER PLANNING BOARD

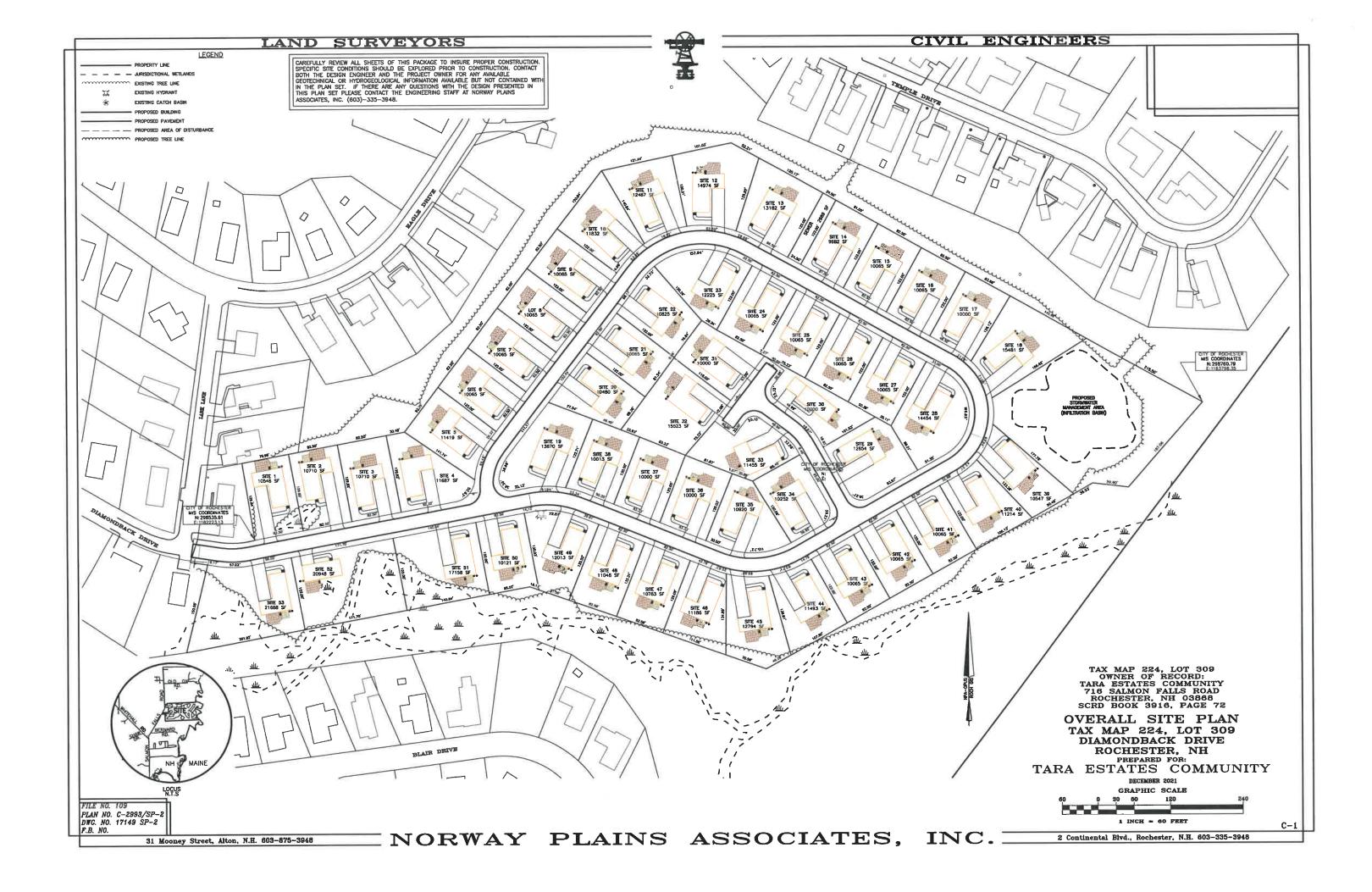
NORWAY PLAINS ASSOCIATES, INC.

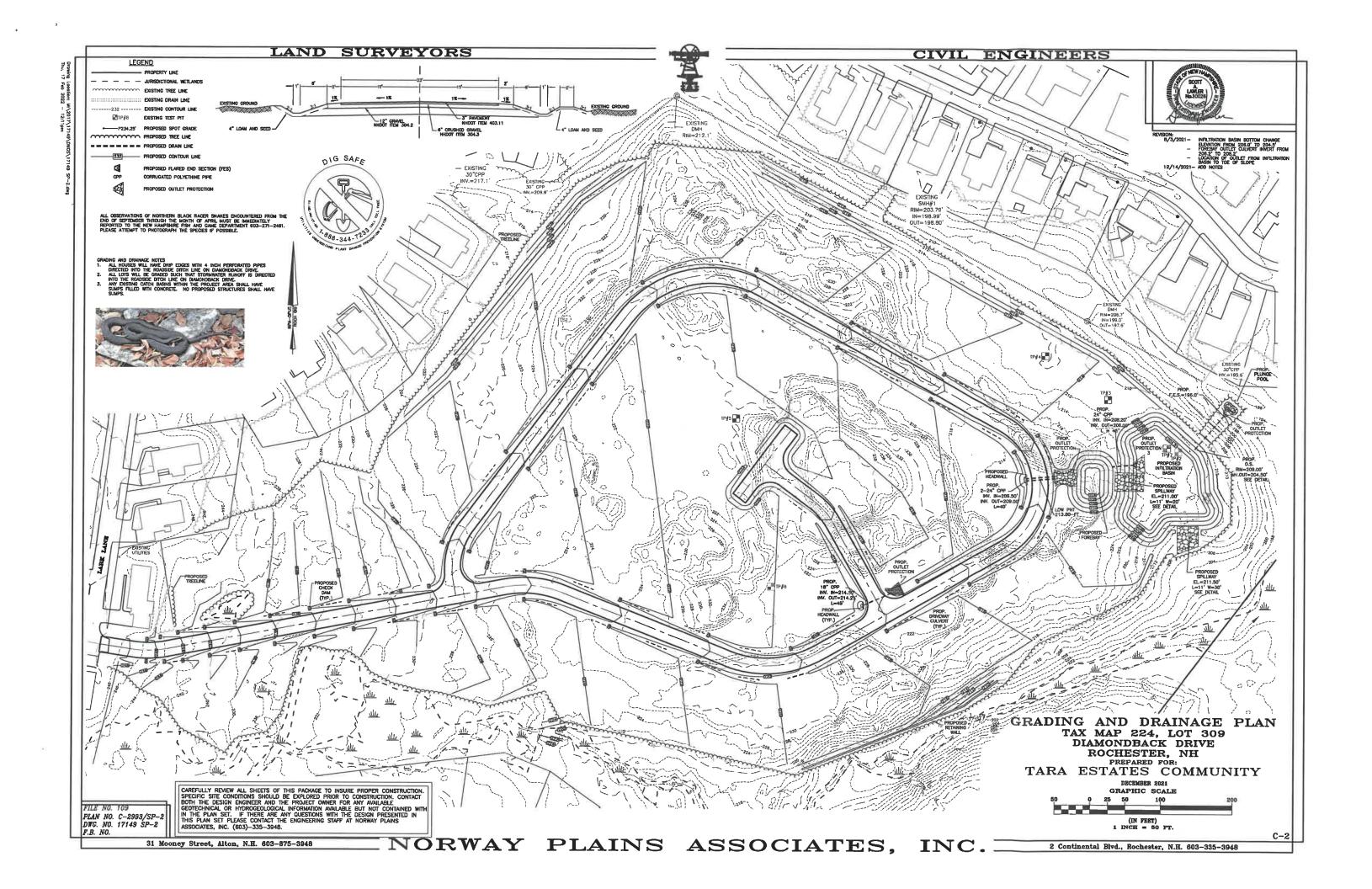
CAREFULLY REVIEW ALL SHEETS OF THIS PACKAGE TO INSURE PROPER CONSTRUCTION. SPECIFIC SITE CONDITIONS SHOULD BE EXPLORED PRIOR TO CONSTRUCTION. CONTACT BOTH THE DESIGN ENGINEER AND THE PROJECT OWNER FOR ANY AVAILABLE GEOTECHNICAL OR HYDROGEOLOGICAL INFORMATION AVAILABLE BUT NOT CONTAINED WITH IN THE PLAN 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. FILE NO. 109 PLAN NO. C-3109/SP-2 DWG. NO. 17149

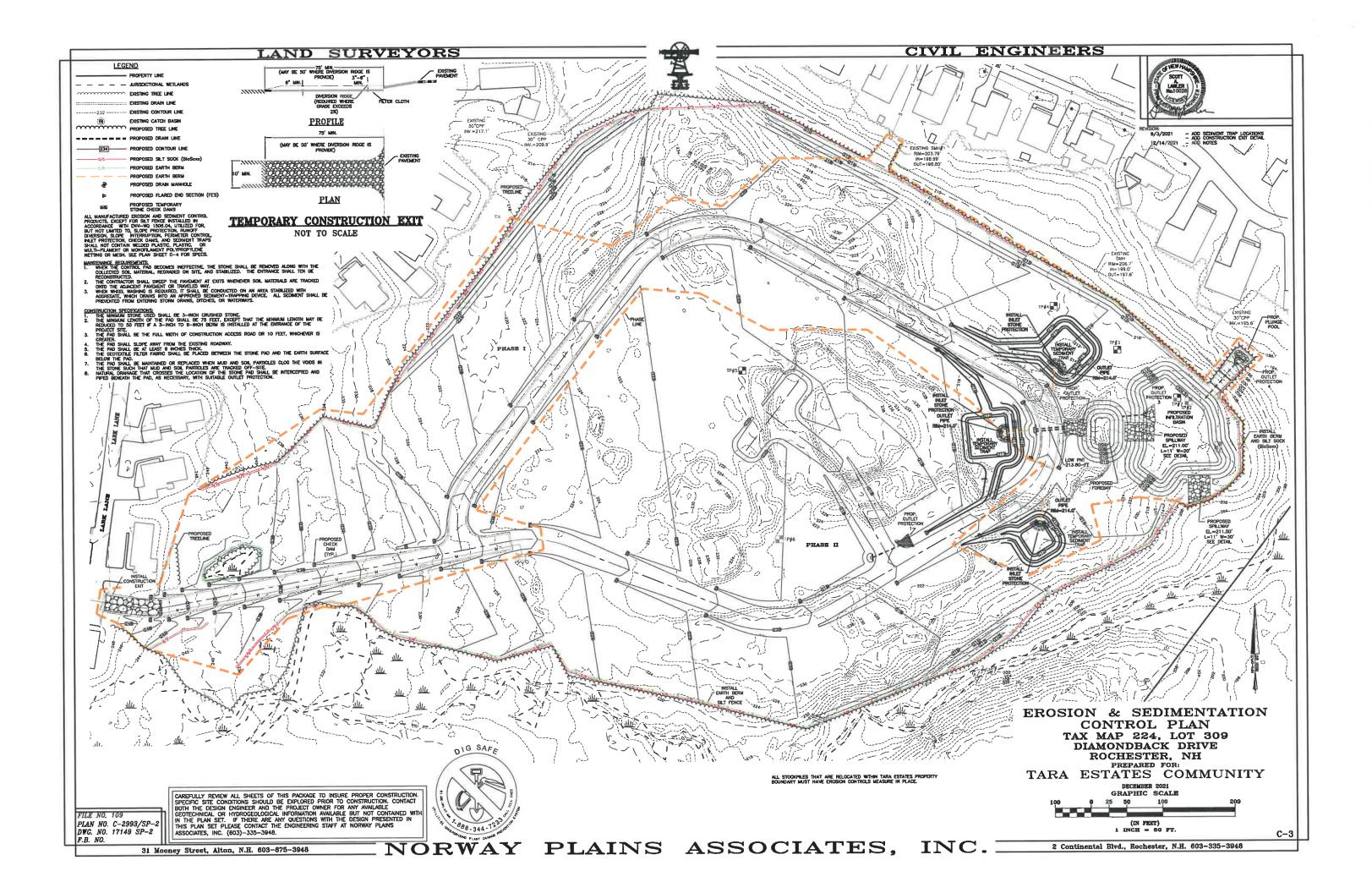
31 Mooney Street, Alton, N.H. 603-875-3948











LAND SURVEYORS

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 L9.	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.

1. NEW HAMPSHIRE STORMWATER MANAGEMENT MANUAL, VOLUME 3, TABLE 2. MINNICK, F.L. AND H.T. MARSHALL (ALICLIST 1992)

TEMPORARY VEGETATION:

- STATES SPECIFICATIONS:
 SITE PREPARATION:
 SITE PREPARATION:
 SITE PREPARATION:
 1. NISTAL NETGES
 SEDIMENT INTERES
 SEDIMENT NETGES
 SEDIMENT NETGES

- EDISTO, DEPONANTION:
 STOKES AND TRASH SHALL BE REMOVED SO AS NOT TO INTERFERE WITH THE SEDDING AREA.
 WHERE THE SOL HAS BEEN COMPACTED BY CONSTRUCTION OPERATIONS, LOSSEN SOIL TO A DEPTH OF 2
 WHERE THE SOL HAS BEEN COMPACTED BY CONSTRUCTION OPERATIONS, LOSSEN SOIL TO A DEPTH OF 2
 WHERE THE SOL HAS BEEN COMPACTED BY CONSTRUCTION OPERATIONS, LOSSEN SOIL TO A DEPTH OF 2
 FAPPLICABLE FERTILIZER AND ORGANIC SOIL AND ENDINEYING SHALL BE APPLIED DURING THE GROWING SEASON.
 APPLY LIMITSTOKE AND FERTILIZER AND ORGANIC TO SOIL TEST RECOMMENDATIONS. FERTILIZER SHALL BE
 RESTRICTED TO LIME, WOOD ASH OR LOW PHOSPHATE AND SLOW RELEASE INTROCOM VARIETIES, UNLESS A
 SOIL TEST WARRANTS OTHERWISE. IF SOIL TESTING IS NOT FERSIBLE ON SAUL OF VARIABLE STIES, OR WHERE
 TIMING 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. APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL CULTIPACKER TYPE SEEDER OR HYDRO SEEDER (SLRRY RICLUDING SEED AND FERTILIZER). MORIMAL SEEDING DEPTH IS FROM 1/4 TO 1/2 INCH. HYDROSEEDING THAT INCLUDES MULCH MAY BE LEFT ON SOIL SURFACE. SEEDING RATES MUST BE INCREASED BY 10% WHICH HYDROSEEDING.

 2. TEMPORARY SEED SHALL TYPICALLY OCCUR PRIOR TO SEPTEMBER 1S.

 3. AREAS SEEDED SETWERN HAY 15 AND AUGUST 15 SHALL BE COVERED WITH HAY OR STRAW MULCH, ACCORDING TO THE TEMPORARY AND PERMANENT MULCHING PRUCTICE DESCRIBED IN THE HISSM, VOL. 3.

 4. VECETATED GROWTH COVERING AT LEAST 63% OF THE DISTURBED AREA SHALL BE ACHEVED PRIOR TO COTOREN 1S. IF THIS CONDITION IS NOT ACHEVED, MPLEMENT OTHER TEMPORARY STABILIZATION MEASURES FOR OVER WHITER PROTECTION.

SPACING BETWEEN
CHECK DAMS SLOPE LENGTH (FT/FT)

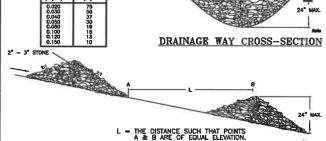
- pariou. Based on inspection, areas shall be reseeded to achieve full stabilization of exposed soils. If It is too late in the planting season to apply additional seed, then other temporary stabilization
- IN IS TOO DIE IN THE POSITION SECOND TO APPER ADDITIONAL SEED, THEN OTHER TEMPORARY STABILIZATION

 MEASURES SHALL BE IMPLEMENTED.

 3. IF ANY EMBENCE OF EROSION OR SEDIMENTATION IS APPARENT, REPAIRS SHALL BE MADE AND AREAS SHALL

 BE RESELEDED, WITH OTHER TEMPORARY MEASURES (I.E. MULCH, ETC.) USED TO PROMDE EROSION PROTECTION

 DURING THE PERIOD OF VEGETATION ESTABLISHMENT.



SPACING BETWEEN STONE CHECK DAMS

CONSTRUCTION SPECIFICATIONS:

I. STRUCTURES SHALL BE INSTALLED ACCORDING TO THE DIMENSIONS SHOWN ON THE PLANS AT THE APPROPRIATE SPACING.

- APPROPRIATE SPACING.

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

 5. STRUCTURES SHALL BE ROUNDED FROM THE CHANNEL WHEN THEIR USEFUL LIFE HAS BEEN COMPLETED.
- <u>MINITEMENCE NOTES;</u>

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

- TEMPORARY GROVE STABILIZATION STANDARD TO THE STRUCTURES SHALL BE REPAIRED DURING PROCOMED STORM EVENTS. ANY DAMAGE TO THE STRUCTURES SHALL BE REPAIRED IMMEDIATELY.

 PARTICULIAR ATTENTION SHALL BE GIVEN TO END RUN AND EROSION AT THE DOWNSTREAM TOE OF THE STRUCTURE.

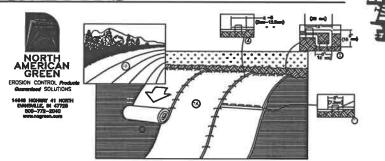
 WHEN REMOVING THE STRUCTURES, THE DISTURBED AREAS SHALL BE BROUGHT UP TO EXISTING CHANNEL GROVE AND THE AREAS PREPAIRED, SEEDED AND MULCHED.

 SCHMENT SHALL BE REMOVED FROM BEHIND THE STRUCTURES WHEN IT REACHES 1/2 THE ORIGINAL NEIGHT OF THE STRUCTURE.

STONE CHECK DAM INSTALLATION DETAIL

NOT TO SCALE

FILE NO. 109 PLAN NO. C-2993/SP-2 DWG. NO. 17149/SP-2



SLOPE INSTALLATION

- THE MILLIES IN THE PROJECT AREA.

 MINEMAKET ROUBERSHITS.

 ALL BLANKET AND MAIS SHALL BE INSPECTED WEBLY DURING THE CONSTRUCTION PERIOD, AND AFTER ANY RAINFALL EVENT EXCEEDING 1/2 INCH IN A 224-HOUR FROM SEEP AREA OF THE MAT OCCURS, THE MAT OCCURS OF THE MAT OCCURS, THE MAT OCCURS OF THE MAT OCCURS, THE MAT OCCURS OF THE MAT OCCURS OF THE MAT OCCURS, THE MAT OCCURS OF THE MAT
- WIDTH OF THE RECP"s.

 ROLL THE RECP" (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE, RECP"S WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL
 SURFACE, ALL RECP"S MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS
 SHOWN IN THE STAPLE FATTEN GOIDE. WHEN USING THE DOT SYSTEM, STAPLES/STAKES SHALL BE PLACING THE
 ORDER OF STAPLES AND THE APPROPRIATE STAPLE FATTEN.

 POSITION OF THE APPROPRIATE STAPLE FATTEN.

 POSITION OF PARALLEL RECP'S MUST BE STAPLED WITH APPROPRIATELY 2" 5" (5 CM 12.5 CM) OVERLAP DEPENDING ON RECP'S

- TE: IN LOSSE SOIL CONDITIONS, THE USE OF STAPLE OR STANCE LEMBTING STATES AND THE RECO'S.

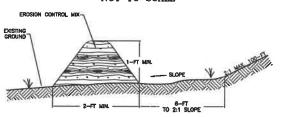
 PREPARATION:
 PREPARATION:
 PREPARATION
 PROPER SITE PREPARATION IS ESSENTIAL TO ENSURE COMPLETE CONTACT OF THE PROTECTION MATTING WITH THE SOIL
 GRADE AND SHAPE AREA F INSTALLATION.
 PREPARE IN ROCKS, CLOSS, TRASSL, VECETAINE OR OTHER OBSTRUCTIONS SO THAT THE INSTALLED BLANKETS WILL HAVE DIRECT CONTACT WITH
 PREPARE SEDIBED BY LOOSCHING 2-3 NICHES OF TOPSOIL ABOVE RINAL GRADE.
 INCORPORATE AMENOMENTS, SUCH AS LIME AND FERTILIZER, INTO SOIL ACCORDING TO SOIL TEST AND THE SEEDING PLAN.

 CONTROL ASTER WAT INSTALLATION IS OFFEN SPECIFIED.

- ang.
 Seed area before blanket installation for erosion control and re-vegetation. Seeding after mat installation is often specified
 for tupp remporphent applications, when seeding prior to blanket installation, all check slots and other areas disturbed
 during installation must be reseeded.
 During installation must be reseeded.
 When soil tuble is specified, seed the matting and the entire disturbed area after installation and prior to filling the mat with

TEMPORARY EROSION CONTROL BioNet SC150BN BIODEGRADABLE DETAIL

NOT TO SCALE



EROSION CONTROL MIX EARTH BERM CROSS-SECTION

- MAINTENANCE REQUIREMENTS:

 1. ERGSION CONTROL MIX BERMS SHOULD BE RESPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLINGED RAINFALL.

 2. ERGSION CONTROL MIX BERMS SHOULD BE REPARED IMMEDIATELY IF THERE ARE ANY SIGNS OF ERGSION OR SEDIMENTATION BELOW THEM.

 3. IF THERE ARE SIGNS OF BREAKING OF THE BARRERS, OR IMPOUNDING OF LARGE VOLUMES OF WATER BEHAVE ARE SIGNS OF REALERS OF THE BARRERS, OR MAPOUNDING OF LARGE VOLUMES TO RETERCEPT AND TRAF SEDIMENT (SUCH AS A DIVERSION BERNI DIRECTING RUNOFF TO A SEDIMENT TRAP OF MAINTENANCE.
- BASIN).

 SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT.

 SEDIMENT DEPOSITS MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE THIRD (1/3) OF THE
 HEIGHT OF THE BERKER.

 BROSSON CONTROL MUS BERMS SHOULD BE RESIMPED OR REAPPLIED AS NEEDED.

 ANY SEDIMENT DEPOSITS REMAINING IN PLACE FATTE THE BARRER IS HO LONGOR REQUIRED SHOULD BE
 DRESSED TO COMPORAL TO THE EXISTING GRADE, PREPARED AND SEEDED.

- MODIFICE OF THE PROSENT CONTROL ME SHOULD BE AS FOLLOWS.

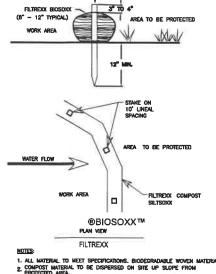
 A POSSION CONTROL MIX SMALL BY MELL GROUD BEXTURE OF PARTICLE SEES FREE OF REFUSE,
 THAN 4-MICHES BE DAMLETED. TOM TO PLANT GROWN AND MY NOT CONTAIN ROCKS LESS
 THAN 4-MICHES BE DAMLETED.
- B. ORGANIC MATTER = 25-65% DRY WEIGHT BASIS
- C. PARTICLES PASSING BY WEIGHT:

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

- F. THE NEX SHOULD CONTAIN NO SILTS, CLAYS OR FINE SANDS.
- H. PH OF THE MIX SHOULD BE BETWEEN 5.0 AND 8.0
- 5. THE BAPRIER MUST BE PLACED ALONG A RELATIVELY LEVEL CONTOUR.

 1. IT MAY BE NECESSARY TO CUIT TALL GRASSES AND WOODY VEDETATION TO AVOID CREATING VOIDS AND BRIDGES IN THE BAPRIER THAT WOULD BUYLLE FINES TO WASH LINDER THE BAPRIER THROUGH THE GRASS BLUES OR PLANT STELLS.

 1. THE BAPRIER MUST BE A MINIMAM OF 12-INCHES TALL AS MEASURED ON THE UPHILL SIDE OF THE

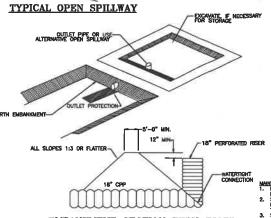


 $\underset{N.T.S.}{\underline{\textbf{BIOSOXX}}} \, \underset{N.T.S.}{\underline{\textbf{DETAIL}}}$

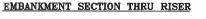
NORWAY PLAINS ASSOCIATES, INC.

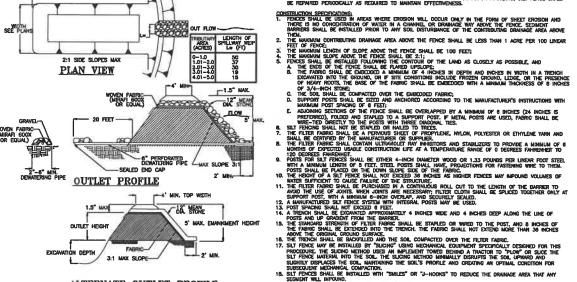


CIVIL ENGINEERS



NOTE: SIZE SPILLWAY TO CONVEY PEAK DESIGN FLOW





NON DEPTH

ALTERNATE OUTLET PROFILE

SEDIMENT TRAP

TEMPORARY EROSION & SEDIMENTATION CONTROL TAX MAP 224, LOT 309 DIAMONDBACK DRIVE

ROCHESTER, NH PREPARED FOR

SULF ENDS INVERNAL BYOT THE SOUL THE SACRIME MALTION BROWNING THE ADMINISTRATION OF A SUBSEQUENT MECHANICAL COMPONING SUBSEQUENT MECHANICAL COMPONING SUBSEQUENT MECHANICAL COMPONING FOR SUBSEQUENT MECHANICAL COMPONING FOR SMILE SENSELD WITH "SMILES" OR "J-HOOKS" TO REDUCE THE DRAINAGE AREA THAT MAY SEGISTED WITH INFOUND.

THE EDIGG OF THE ENTER THE COST OF SUBSECUENT SMILE SET AT LEAST 8 FEET FROM THE TOP IN ALLOW SPACE FOR SHALL BE SET AT LEAST 8 FEET FROM THE TOP IN ALLOW SPACE FOR SHALLOW SPACE FOR SHALL BY SHALLOW SHALLOW SPACE FOR SHALLOW SPACE FOR SHALLOW SPACE FOR SHALL BE REMOVED WHEN THEY MAKE SCHOOL THEN USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREAS HAVE SEEN PERMANENTLY STABILIZED.

SILTATION CONTROL FENCE DETAIL

NOT TO SCALE

FABRIC FENCE

PROFILE

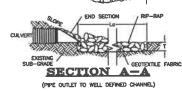
CROSS-SECTION

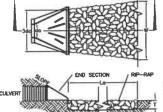
TARA ESTATES COMMUNITY

DECEMBER 2021

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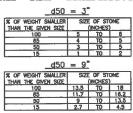




SECTION A-A

(PIPE OUTLET TO FLAT AREA NO WELL DEFINED CHANNEL)

RIP-RAP GRADATION



d50 = 12"						
OF WEIGHT SMALLER	SIZE OF STONE (INCHES)					
100	18	TO	24			
85	15.6	TO	21.6			
50	12	TO	18			
15	3.6	TO	- 5			

	APRO	N DIME	NSI	NC	TA	BLE	
1	OUTLET PROT.	PIPE OUTLET	Wo	W	La	T	d50
	1	18" CPP	5'	20'	16'	9"	3°
100	2	DOUBLE 24° CPP	12'	46'	34"	27"	8"
С	3	24° CPP	6'	33'	27'	27°	9"
	4	18° CPP	5'	17"	13'	12°	4"

NOTES:

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

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

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

Α

CONSTRUCTION SPECIFICATIONS:

1. PREPARE THE SUB-GRODE FOR THE FILTER MATERIAL, GEOTEXTILE FABRIC, AND RIP-RAP TO THE GRADES SHOWN ON TIME PLANS.

2. IMPRILATION & SAND/GRAWLE BEDOING OR GEOTEXTILE FABRIC REQUIRED UNDER ALL ROCK RIP-RAP.

3. THE ROCK OR GRAVEL USED FOR FILTER OR RIP-RAP SHALL CONFORM TO THE SPECIFED GROWNON.

4. GEOTEXTILE FABRICS SHALL BE REPARED BY THOUGH A FEW PLANS OF THE FAUSTION FROM THE PLANS OF THE PLANS OF THE PLANS OF THE REPARES OF THE RAP OF THE RAP OF THE REPARES OF THE STORE SECTION OF THE STORE SECTION OF THE STORE SECTION.

MAINTENANCE NOTES:

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

2. THE CHANNEL IMMEDIATELY DOWNSTREAM FROM THE OUTLET SHOULD BE CHECKED TO SEE THAT NO EROSION IS OCCURRING. AT THE CHANNEL SHOULD BE KEPT CLEAR OF OBSTRUCTIONS SUCH AS FALLEN TREES, DEBRIS, AND SEDIMENT THAT COULD CHANGE FLOW PATTERNS AND/OR TALINATER DEPTHS ON THE PIPES. REPAIRS MUST BE CARRIED OUT IMMEDIATELY TO ANDO ADDITIONAL DAMAGE TO THE OUTLET PROTECTION AFROM.

PIPE OUTLET PROTECTION DETAIL

DUST CONTROL PRACTICES:

APPLY DUST CONTROL MEASURES AS NECESSARY TO MAINTAIN CONTROL OF DUST ON SITE.

WATER APPLICATION:
A) MOSTERS DEPOSED SOIL SURFACES PERIODICALLY WITH ADEQUATE WATER TO CONTROL DUST.
B) AVOID EXCESSIVE APPLICATION OF WATER THAT WOULD RESULT IN MOBILIZING SEDMENT AND SUBSEQUENT
DEPOSITION IN MAINTAIN WATERGOORS.

DEPOSITION IN INSTIRUL WATERSOUES.

3 STONE APPLICATION:

A) COVER SUFFACE WITH CRUSHED OR COMSE GRAVEL.

3) HI AREAS HAZE WATERWAYS USE ONLY CHOMICALLY STABILIZED OR WASHED AGGREGATE.

4. REPER TO "NEW HAMPSHIRE STORMWATER MANIAGEMENT MANIAL, VOLUME 3 CONSTRUCTION PHASE EROSION AND SEDMENT CONTROL, DECEMBER 2005" FOR OTHER ALLOWAGE DUST CONTROL PRACTICES (I.E. COMMERCIAL TACKSFERS OR CHEMICAL TREATMENTS SUCH AS CALCIUM CHLORICE, ETC.)

STOCKPILE PRACTICES:

1. LOCATE STOCKPILES A MINIMUM OF 50-FT. AWAY FROM CONCENTRATED FLOWS OF STORMWATER, DRAWAGE COURSES OR INLETS.
2. PROTECT ALL STOCKPILES FROM STORMWATER RUN-ON USING TEMPORARY PERIMETER MEASURES SUCH AS DIVERSIONS, BETAS, SANDBAGS OR OTHER APPROPER PROTECTS. DESCRIBED ON THE PLANS AND IN NISMM OF STORM OF MATERIAL BEYOND THE MAREDIATE CONTINES OF THE STOCKPILE.
3. STOCKPILES OF SECRET MICRATION OF MATERIAL BEYOND THE IMMEDIATE CONTINES OF THE STOCKPILE.
4. IMPLIENT WHID EROSION CONTINCE, PRACTICES AS APPROPRIATE ON ALL STOCKPILED MATERIAL.
5. 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 STABILIZATION MEASURES (TEMPORARY SEED AND MULCH OR OTHER TEMPORARY STABILIZATION PRACTICE) AND TEMPORARY PERMITTER SEDIMENT BARRISERS (I.E. SILT FENCE, ETC.) AT ALL TIMES.

7. INACTIVE STOCKPILES OF COMMCREE RUBBLIGLE, ASSPHALE CONCRETE RUBBLIGLE, AGGREGATE MATERIALS, AND SIMILAR MATERIALS HE PROTECTED WITH TEMPORARY SEDIMENT PERMICTER BARRISES (I.E. SILT FENCE, ETC.) AT ALL TIMES.

8. THE MATERIALS ANE A SOURCE OF DUST, THEY SHALL ALSO DE COVERENCE.

PROTECTION OF ACTIVE STOCKPILES

3. ALL STOCKPILES SAMAL BE SURROUNDED WITH TEMPORARY LINEAR SEDMENT BARRIERS (I.E. SILT FENCE, ETC.)

ACROSS TO THE CASSET OF PRECIPITATION PERMETER BARRIERS SAMAL BE MARTANED AT ALL THES, AND

ACROSS TO THE CASSET OF PRECIPITATION FORMETER BARRIERS SAMAL BE MARTANED AT ALL THES, AND

ACROSS TO THE CASSET SAMAL BE RESCREDE AT THE EDRO OF EACH WORGING DAY.

9. WHEN A STORM IS PREDICTED, STOCKPILES SHALL BE PROTECTED WITH AN ANCHORED PROTECTIVE COVERNING.

WINTER STABILIZATION & **CONSTRUCTION PRACTICES:**

MAINTENANCE REQUIREMENTS:

1. MAINTENANCE MUSURES SHALL BE PERFORMED THROUGHOUT CONSTRUCTION, INCLUDING OVER THE WINTER PERIOD. ATTER EACH RIMFELD SHOWSTURM, OR PERIOD OF THANKS AND RANGET, THE SITE CONTRACTOR SHALL CONDUCT INSSECTION OF ALL INSTALLED BROSSON CONTROL, PRANTICES AND PERFORM REPORTS PROBLEM FROM THE CONSTRUCTION CONTRACTOR SHALL CONDUCT AN INSPECTION IN THE SPECIAL PROBLEM PROBLEM TO A CREATE OF THE WHITER SEASON, THE CONTRACTOR SHALL CONDUCT AN INSPECTION IN THE SPECIAL DISCONDING OF THE WHITER SEASON, THE DAMAGED AREAS OR GARES SPOTS AND RESEED AS REQUIRED TO ACHIEVE AN ESTABLISHED VEGETATIVE COVER (AT LEAST 85% OF

SPECIFICATIONS:

SPECIFICATIONS:
THE FOLLOWING STABILIZATION TECHNIQUES SHALL BE EMPLOYED DURING THE PERIOD FROM OCTOBER 15 THROUGH MAY 15.

THE AREA OF DEPOSED, UNSTABILIZED SOIL SHALL BE LIMITED TO 1—ACRE AND SHALL BE PROTECTED AGAINST EROSION BY THE METHODS DISCUSSED IN HISSMIN, VOL. 3 AND ELSEWHERE IN THIS PLAN SET, PRIOR TO ANY THAW OR SPRING MELT EVENT.

STABILIZATION AS FOLLOWS SHALL BE COMPLETED WITHIN A DAY OF ESTABLESHING THE GRADE THAT IS FIRM. OR THAT OTHERWISE WILL EXIST FOR MORE THAN 3 DAYS.

A LLL PROPOSED VECTATED AREAS HAVING A SLOPE OF LESS THAN 15% WHICH DO NOT EXHIBIT A MINIMUM 85% VEGETATIVE AND MULCIF PER ACRE SCUCRED WITH ANCHORED NETTING, OR 2 INCHES OF EROSION CONTROL MIX (REFER TO IN-SMALL) VOL. 3

FOR SPECIFICATION.

B ALL PROPOSED VECTATED AREAS HAVING A SLOPE OF GREATER THAN 15% WHICH DO NOT EXHIBIT A MINIMUM OF REST, VECETATIVE AND ADDRESS OF SPECIFICATION.

B ALL PROPOSED VECTATED AREAS HAVING A SLOPE OF GREATER THAN 15% WHICH DO NOT EXHIBIT A MINIMUM OF REST, VECETATIVE GROWTH BY OR ARE DISTURBED AFTER COTTOBER 15 SHALL BE SEEDED AND CONTROL MIX WITH A PROPERTY VECETATIVE GROWTH BY A REPORT WHITH A MINIMUM OF 4 HICHES OF EROSION CONTROL MIX, UNLESS OTHERWISE SPECIFED BY THE MANUFIACTURER. NOTE THAT COMPOST BLANNETS SHALL NOT EXCEED AND CONTROL MIX, UNLESS OTHERWISE SPECIFED BY THE MANUFIACTURER. NOTE THAT COMPOST BLANNETS SHALL NOT EXCEED BY THE MANUFIACTURER.

MAY OVERHEAT.

ALL STONE COVERED SLOPES MUST BE CONSTRUCTED AND STABILIZED BY OCTOBER 15.

4. HISTALLATION OF ANCHORED HAY MULCH OR EROSION CONTROL MIX SHALL NOT OCCUR OVER SHOW OF GREATER THAN 1 INCH 80 DEPTH.

1. RETAILATION OF ANA-ORDER INVITAGE OR ENGINE CHARGE STALL NOT COCUR OVER SNOW OF GREATER THAN 1 INCH IN RESTAULTION OF ANA-ORDER INVITAGE SHALL RESTAULT OF COCUR OVER SNOW OF GREATER THAN 1 INCH IN RESTAULT OF THE ANALYSIS OF THE ANALYS

CONSTRUCTION PHASING:

STABILIZATION:

A SITE IS DEEMED STABILIZED WHEN IT IS IN A CONDITION IN WHICH THE SOIL ON SITE WILL NOT EXPERIENCE ACCELERATED OR UNINVERSEL ROSSON UNDER THE CONDITIONS OF A 10-YEAR STORM EVENT, SUCH AS BUT NOT LIMITED TO:

ANN. AREAS THAT WILL NOT. BE PAYED:

) A MINIMUM OF 583 VEGETATIVE COVER HAS BEEN ESTABLISHED;

) A MINIMUM OF 53-WICHES OF NON-ERGOSVE MATERIAL SUCH AS STONE OR A CERTIFIED COMPOST BLANKET HAS BEEN INSTALLED, OR;

) EROSSON CONTROL BLANKETS HAVE BEEN INSTALLED.

B) MARSES TO BE PAYED:

0) BASE COURSE GRAVELS HAVE BEEN INSTALLED.

TEMPORARY STABILIZATION:
ALL AREAS OF EXPOSED OR DISTURBED SOIL SHALL BE TEMPORARILY STABILIZED AS SOON AS PRACTICABLE BUT <u>NO LATER THAN</u>
ALL AREAS OF EXPOSED OR DISTURBENCE, UNLESS A SHORTER THAE IS SPECIFIED BY LOCAL AUTHORITIES, THE
CONSTRUCTION SEQUENCE APPROVED AS PART OF THE ISSUED PERMIT OR AN INDEPENDENT MONITOR.

CONSTRUCTION SEQUENCE APPROVED AS PART OF THE ISSUEL PERSON UNDER THE INSPECTATION OF INVESTIGATION OF THE ISSUEL PERSON OF STREET OF ST

STABLIZED) AT ANY TIME.

SINGLY DISTING, CLEPA, OR GIME AREAS NECESSARY FOR CONSTRUCTION.

A) FLAG OR CHERMISE DELIBEATE AREAS NOT TO SE DISTURBED.

A) FLAG OR CHERMISE DELIBEATE AREAS NOT TO SE DISTURBED.

A) FLAG OR CHERMISE DELIBEATE AREAS NOT TO SE DISTURBED.

A) FLAG OR CHERMISE DATE AREAS NOT SOLD SECRETATION SHEES AREAS TO PRESERVE NATURAL, VEGETATION.

B) FROM CHERMISE OR CHERMISE SHEET OF VEGETATION SHEES AREAS TO PRESERVE NATURAL, VEGETATION.

FINISHED GRADING AND SE PROTECTED FROM EROSION.

S. SICCHELS, BORROW AREAS AND SOLD SHALL BE STABILIZED AS DESCRIBED UNDER "SOLL STOCKPILE PRACTICES."

8. SLOPES SHALL NOT SE CREATED SO CLOSE TO PROPERTY LINES AS TO ENDANGER ADJOINING PROPERTIES WITHOUT ADEQUATE PROTECTION AGAINST SEDBEMATION, DESCRIBED, SHULLED ANGE.

9. AREAS TO BE FILED SHALL BE CLEARED, GRUBBED AND STREPPED OF TOPSOL TO REMOVE TREES, VEGETATION, ROTS AND/OR OTHER OBJECTIONABLE MATERIALS.

10. AREAS SHALL BE SCHRIBED TO A TO PROVIDE A LOOSE BEDDING TO PLACEDIATO OF TOPSOL. TOPSOL. SHALL SE PLACED 11.

ALI FILES SHALL BE COMPACTED IN ACCORDANCE WITH PROJECT SEPECIALISMS TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SLISSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES, CONDUITS AND OTHER FIGURIES, SHALL BE COMPACTED IN ACCORDANCE WITH LOOS. REQUIREDIENTS OR CODES.

12. IN GENERAL, FILLS SHALL BE COMPACTED IN ACCORDANCE WITH LOOS. REQUIREDIENTS OR CODES.

13. ANY AND ALL FILL MATERIAL SHALL BE FREE OF BRUSH, RUBBEN, ROCKS (LARGER THAN 3/4 THE DEPTH OF THE LIFT BERNET.

14. FROZEN MATERIAL OR SOUTH, BUILDING DERSE, PROZENS HOTHER PROBLES THE TO ACCELERATED.

15. FROZEN MATERIAL OR SOUTH, BUILDING DERSE, PROZENS HOTHER DESIGNOMER MATERIALS THAT WOULD INTERPERE WITH OR PROVED TOORS (MICHAEL CHARLES). THE LIFT BERNET HE WITH THE PROPERT CHARLES THAT WOULD INTERPERE WITH OR PROVED TOORS (LICKES MATERIAL AND OTHER PROPERTIES TOORS (LICKES MATERIAL SHALL BE CEPTION OF THE PROPERTY BETT TO ACCELERATED.

14. FROZEN MATERIAL OR SOUTH, BUILDING DERSE, PROZEN MATERIAL AND OTHER P

INSTALLED), LOSS, STUMPS, BUILDING DEBRIS, FROZEN MATERIAL AND OTHER DEJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SAIRSACTORY LIFES.

14. FROZEN MATERIAL OR SOFT, MUCKY OR HIGHLY COMPRESSIBLE (J.E. CLAY, SILT) MATERIALS ARE SUSCEPTIBLE TO ACCELERATED SETTLEMENT AND CHEENTRAL ACCELERATED EROSON. WORK IN AREAS OF THESE MATERIALS SHALL BE PERFORMED UNDER THE SETTLEMENT AND CHEENTRAL ACCELERATED STORE OF THE SET MATERIALS SHALL BE PERFORMED UNDER THE SETTLEMENT AND CHEENTRAL ACCELERATED.

15. THE OUTER FACE OF THE FILL SLOPE SHALL BE ALLOWED TO STAY LOOSE, NOT ROLLED OR COMPACTED, OR BLADE SUBOTHED. A BUILLDOSE MAY FRUIN AND AND DEPORTED THE SLOPE IF THE SOL IS NOT TOO MOST, EXCESSIVE COMPACTION WILL NOT OCCUR. SEE "SUBFACE ROUGHENING." IN THE NISSAN, VOL.3.

16. ROUGHEN THE SURFACE OF ALL SLOPES DURING THE CONSTRUCTION OPERATION TO RETAIN WATER, INCREASE INFILITATION AND PROBLEMENT OF THE STAY OF THE

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

PERMANENT VEGETATION:

SITE PREPARATION:

1. INSTALL REDED EROSION AND SEDMENT CONTROL MEASURES SUCH AS SILTATION BARRIERS, DIVERSIONS, AND SEDIMENT TRAFS.

2. GRADE AS NEEDED FOR THE ACCESS OF EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MILLCH AMPCHATION, AND MILLCH AMPCHATION.

3. RUNGET SHALL BE OMESTED FROM THE SEEDBED AREA.

4. ON SLOPES 4: OR SIDEPER, THE FINAL PERPARATION SHALL INCLUDE CREATING HORIZONTAL GROOVES PERPENDICULAR TO THE DIRECTION OF THE SLOPE TO CATCH SEED AND REDUCE RUNGER.

SEDDED PREPARATION:

1. WORK LIME AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DESC, SPRING TOOTH HARROW OR OTHER SUTRALE EQUIPMENT. THE FINAL HARROWING OPERATION SHALL BE ON THE GENERAL CONTOUR. CONTINUE ILLIAGE UNIT A DESCRIPTION OF THE SUBJECT WITH STATE OF THE SOLD SHALL BUT CLAY AND SILT SOILS SHALL BE ADDITION OF THE SUBJECT WITHOUT STATE OF THE SUBJECT PROBLEMS. BUT CLAY AND SILT SOILS SHALL BE ADDITION OF THE SUBJECT PROBLEMS OF THE SUBJ

IF JAPILCABLE, FERTILIZER AND ORGANIC SOIL AMENUARINIS SYNLL BE RETUGED GEOMETRIC SESSON.

APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST RECOMMENDATIONS. FERTILIZER SHALL BE RESTRICTED TO LIME, WOOD AST OR LOW PROSPHATE AND SLOW RELEASE INTROGEN VARIETIES, UNLESS A SOIL TEST WARRANTS OTHERWISE. IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARBALE SITES, OR WHERE TIMING 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

SEDING:

1. INCOLAIR ALL LEGUME SEED WITH THE CORRECT TYPE OF INCOLAIAT.

2. APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL CULTPACKER TYPE SEEDER OR HYDROSEDER (SURRY INCLUDION SEED MY PETRILLER). NORMAL SEEDING DEPTH IS FROM 1/4 TO 1/2 MICH. HYDROSEDER THAT INCLUDIOS MULCH MAY BE LEFT ON SOIL SURPACE.

3. WHERE FEASIBLE EXCEPT WHERE DITHER CULTIVANCER TYPE SEEDER OR HYDROSEDER IS USSO, THE SEEDER OR HYDROSEDER IS USSO, THE SEEDER OF SHAPE SEEDER OR SHAPE AND SEEDER OR SHAPE SEEDER OR SHAPE SEEDER OR HYDROSEDER IS USSO, THE SEEDER OF SHAPE SEEDER OF SHAPE SHAPE SHAPE SEEDING SHAPE SEEDER OPENINGS OR WITH LEGUMES.

4. SPRING SEEDING USUALLY CAYES THE BEST RESULTS FOR ALL SEED MINGS OR WITH LEGUMES. PERMANDIT SEEDING SHAPE AND EST DEVENOUS OF THE SEED SHALL BE CHARD SEED (USCARPIED). IF SEEDING CANNOT BE DONE WITHIN THE SEEDERS CHALL BE CHARD SEED (USCARPIED). IF SEEDING CANNOT BE DONE WITHIN THE SEEDERS CHARLE SEEDING POTOD.

3. AND SEED OF THE TEMPORARY AND PERMANDIT MULCHING PRACTICE DESCRIBED IN THE INSISM, VOL. 3. MOD DLAY SEEDING UNITE. THE NOT RECOMMENDED SEEDING PROTOD.

3. AND SEED OF THE TEMPORARY AND PERMANDIT MULCHING PRACTICE DESCRIBED IN THE INSISM, VOL. 3. THE SEED SHAPE AND PETRO.

4. SPECIAL OF THE TEMPORARY AND PERMANDIST MULCHING PRACTICE DESCRIBED IN THE MISSING, VOL. 3. THE SEEDING CANNOT WAS PETROD.

5. AND SEED OF THE TEMPORARY AND PERMANDIST MULCHING PRACTICE DESCRIBED IN THE MISSING, VOL. 3. THIS CONTROL OF THE TEMPORARY STABILIZATION MEASURES FOR OVER WINTER PROTECTION.

STARRIZATION RESOURCE FOR OVER WHITE PROTECTION.

1. WHEN HYDROSEDING (HYDRAULIC APPLICATION), PREPARE THE SEDBED AS SPECIFIED ABOVE.

1. WHEN HYDROSESING (HYDRAULIC APPLICATION), PREPARE THE SELDRED AS SPECIFIED ABOVE.

1. WHEN FAND TREVING TO LOOSEN AND SMOOTH THE SOIL AND REMOVE SURFACE STONES

LARGER THAN 2. INCHES IN DOMENTER.

2. SLIPES BUSTS BE NO STEEPER THAN 2:1 (2 FEET HORIZONTALLY BY 1 FOOT VERTICALLY.

3. LIME AND FERTILIZER MAY BE APPLIED SIMILTANEOUSLY WITH THE SEED. THE USE OF FIBER

MULCH ON CHITICAL AREAS IS NOT RECOMMENDED (UNLESS IT IS USED TO HOUD STRAW OR

HAY). BETTER REFORECTION IS CAINED BY USING STRAW MULCH AND HOLDING IT WITH

AMPERIC MATERIALS OR SOO POLVINS POR ACRE OF MOOD FIBER MULCH.

4. SEEDING RATES MUST BE INCREASED BY 10% WHEN HYDROSEEDING.

MANITEMANCE REQUIREMENTS:

PERMANENT SELECTED AREAS SHALL BE INSPECTED AT LEAST MONTHLY DURING THE COURSE OF COMMENTAL CONTINUE AND CONTROL ACTIONS SHALL CONTINUE UNTIL THE OWNER ASSLANCE SPROMMENT OFFENDAM OF THE STATE OF CONTINUE ACTIONS SHALL BE MOVED AS REQUIRED TO MANTAIN A HEALTHY STAND OF VECETATION. MONING HEAGHT AND FREQUIRED TO MANTAIN A HEALTHY STAND OF RECEIVED AS READED ON INSPECTION, AREAS SHALL BE RESEEDED TO ACHIEVE FULL STABLIZATION OF EXPOSED SOUS-SIZE OF THE SON SUBSPECT SHALL BE COMPRETED BY VECETATION.

EXPOSED SOILS.

A 71 ANIMALM 83% OF THE SOIL SURFACE SHALL BE COVERED BY VEGETATION.

5. IF ANY EMDENCE OF EROSION OR SEDIMENTATION IS APPARENT, REPAIRS SHALL BE MADE AND AREKS SHALL BE RESERVED, WITH OTHER TEMPORARY MEASURES (I.E. MULCH, ETC.) USED TO PROVIDE EROSION PROTECTION DURING THE PEROD OF VEGETATION ESTABLISHABENT.

PERMANENT VEGETATION SEEDING RECOMMENDATIONS

USE	MIXTURE	SPECIES	LBS./ACRE	LBS./ 1,000-SF
STEEP CUTS AND FILLS, BORROW AND DISPOSAL AREAS	۸	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	^	TALL FESCUE CREEPING RED FESCUE REUTOP TOTAL	20 20 2 42	0.45 0.45 0.05 0.95
LIGHTLY USED PARKING LOTS, OOD AREAS, UNUSED LANDS, AND LOW INTENSITY RECREATION SITES	۸	TALL FESCUE CREEPING RED FESCUE REUTOP 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 MINNICK EL AND H.T. MARSHALL (AUGUST 1992)

PROJECT SPECIFIC CONSTRUCTION PHASING:

REFER TO THE "GENERAL CONSTRUCTION PHASING" NOTES PRIOR TO COMMENCING CONSTRUCTION IN ACCORDANCE WITH THE FOLLOWING COMMENCENC CONSTRUCTION MY ACCORDANCE WITH THE POLLOWING PHASING. THE TEXTERS CONSTRUCTION PLASSING. WITH THE POLLOWING PHASING. THE TEXTERS CONSTRUCTION PLASSING. WITH SAPPLY TO THE OVERPLL CONSTRUCTION SHOULD BE ADDRESS TO.

INSTALL ALL TEMPORARY SEDIMENT CONTROL SAPPLETS (I.E. SLI FENCE, EROSION CONTROL MAY BEEN, STONE CHECK DAWS, ETC.). AROUND THE OUTER PREMIETER OF THE CONSTRUCTION SIZE AS DEPOTED ON SHEET C.—2 PRIOR TO EARTH MOWNO DEPARTONS.

INSTALL ORANGE SHOW PENCE AROUND THE PREMIETER OF THE INVITATION BUSINS AND THE FINCE SHALL RELIAMS IN PLACE UNTIL CONSTRUCTION OF THE BASINS HAS STRATED.

CONSTRUCTION OF THE BASINS HAS STRATED.

CLEAR, CRUB AND STREP THE STELL STUMPS, ROUND OF THE PROPOSED ROUGHT IN THE LOCATION OF THE PROPOSED ROUGHT IN ENTERSISTENCY OF DAMANDRANCE WITH STATE AND LOCAL REGULATIONS.

5. INSTALL A TEMPORARY CONSTRUCTION ENT AT THE LOCATION OF THE PROPOSED ROUGHT IN ENTERSISTENCY OF DAMANDRANCE ROPE AND LARK LANE. MAINTAIN AS DIRECTED BY THE TEMPORARY CONSTRUCTION ENT DETAIL.

PROPOSED ROAD AT THE INTERSECTION OF DANACHORACK DRIVE AND LARK LANE. MAINTAIN AS DIRECTED BY THE TEMPORARY CONSTRUCTION EXT STORAPLE STRIPPED TOPSOIL AND CUT MATERIAL. TO BE REUSED ON SITE IN AN APPROPRIATE LOCATION IN ACCORDANCE WITH THE "SOIL STOCKIPLES

LINE SMANTAIN AS DIRECTED BY THE TEMPORARY CONSTRUCTION DET

DETAIL

6. STOCKPILE STREPED TOPSOIL AND CUT METERIA. TO BE REJECT ON STE

IN AM APPORPARIA LOCATION IN ACCORDANCE WITH THE "SOIL STOCKPILES."

PRACTICES." MANTAIN THE STOCKPILES AS DIRECTED IN THE "SOIL STOCKPILES.

PRACTICES."

7. INSTALL TEMPORARY SEDIMENT TRAPS AS SHOWN ON SHEET C-3. SEE

SHEET C-4 FOR SEDIMENT TRAP DETAILS.

8. INSTALL TEMPORARY SEDIMENT TRAP DETAILS.

8. INSTALL TEMPORARY SEDIMENT TRAP DETAILS.

8. INSTALL TEMPORARY SEDIMENT TRAP DETAILS.

9. PERFORM THE NECESSARY CUTS AND PILLS TO CONSTRUCT THE

INFLITATION BASIN AS DEPICTED ON SHEET C-2, AND IN ACCORDANCE

WITH THE INFLITATION BASIN DETAILS SHOWN ON SHEET C-2.

10. RINGEF MUST BE DIRECTED TO TEMPORARY PRACTICES UNTIL STORMWATER

BASE STARBILIZED.

11. DIRECTING RUNGEF TO THEM.

12. PERFORM THE NECESSARY CUTS AND FILLS TO SUBGRADE IN ROADWAY.

A) INSTALL REQUIRED FILLS IN MADMUM 8-HOCK LIFTS AND COMPACT

EACH LIFT TO 50% MADMAIN PROTOKOL SELT FEINE, CHECK DAMS AND

SEDIMENT CONTROLS, ETC.)

13. AS SUBGRADE IS ACHEVED INSTALL REMAINING SECIMENT CONTROL

BARRIERS WITHIN THE STE (LE. ADDITIONAL SILT FEINE, CHECK DAMS AND

SEDIMENT CONTROLS, ETC.)

14. INSTALL ALL CLOSED DAMANGE SYSTEM COMPONENTS (LE. PIPE CLAURETS

AND CATOL BASINS) PER THE CORRESPONDING DETAILS AND AS SHOWN ON

15. ALL CUT AND FILL SLOPES AND LAWN AREAS NOT TO BE PAYED SHALL BE

COUNSES WITHIN TIS ADDRESS AND LAWN AREAS NOT TO BE PAYED SHALL BE

COUNSED WITHIN 15 DAYS OF ACHEVING PRIVAL PRICE THE

INSTALLAR CONDERS AND LAWN AREAS NOT TO BE PAYED SHALL BE

COUNSED WITHIN 15 DAYS OF ACHEVING PRIVAL PRICED TO GRAVEL BASE

ROADWAY AS SPECIFIED IN THE PERMANENT YECGTATION AND STABILIZATION AS

DESCRIBED UNDER THE "PERMANENT YECGTATION AND STABILIZATION AS

DESCRIBED UNDER THE PERMANENT YECGTATION AND STABILIZATION AS

DESCRIBED UNDER THE PERMANENT YECGTATION OF THE SITE OF THE

INSTALLAR OF A SHEET OF THE CHECKES PROVIDED THE STABILIZED FOR THE

INSTALLAR OF A SHEET OF THE PERMANENT YECGTATION AND STABILIZATIONS.

18.

EROSION CONTROL AND STORNWATER MANAGEMENT PRACTICES SHOULD BE INSPECTED WEBLY, ATTER EVERY 1/2 INCH OF RAIMFALL AND ANNUALLY.

2. EXCESS SEDIMENT SHOULD BE REMOVED FROM TEMPORARY SEDMENT, EROSION CONTROL AND STORNMATER MANAGEMENT PRACTICES WEBN IT REACHES PRESCRIBED THRESHOLDS DISCUSSED IN THE DETAILS FOR EACH PRACTICE.

3. ALL DAMAGED TEMPORARY AND PERMANENT SEDMENT, EROSION CONTROL AND STORNMATER MANAGEMENT FRACTICES SHOULD BE REPAIRED OR AND STORNMATER MANAGEMENT FRACTICES SHOULD BE REPAIRED OR FRACTION OF STEAM OF THE STEAM OF T

1. UNIVERVIEW TO COMPARE HOME, NOW! THE SITE IS DECEMBED SPONDED TO COMPARE THE PROPERTY SCIENCE CONTROL OF THE PROPERTY SCIENCE CONTROL ANY DISTURBANCE CREATED DURING REMOVAL SHALL BE REPAIRED IN AN APPROPRIATE MANNER.

2. ACQUIMILATED SEDMENT SHALL BE REMOVED FROM ALL SWALL, CHECK DAMS AND THE SEDMENT PROPERTY OF THE INTERTATION BASIN.

ENVIRONMENTAL MONITOR

THE PERMITTE SHALL BUPLOT THE SERVICES OF AN ENVIRONMENTAL MONITOR (EM) FOR THE PURPOSES OF PROVIDING INDEPPIDEDLY PROFESSIONAL ENVIRONMENTAL INSPECTION OF THE PROJECT. THE PERMITTEE SHALL RECEIVE PRIOR APPROVAL OF THE BIRD THE EDPARTMENT, THE ENVIRONMENTAL MONITOR SHALL INSPECT THE PROJECT AT A MINIMUM PRECURSOR OF ONCE PER WERK AND FOLLOWING RAWFALL PROJECT AND ASSESSION OF THE INSPECTIONS AND ASSESSION OF THE INSPECTIONS AND ASSESSION OF THE INSPECTIONS AND ASSESSION OF THE INSPECTION OF TH

PERMANENT EROSION & SEDIMENTATION CONTROL TAX MAP 224, LOT 309 DIAMONDBACK DRIVE ROCHESTER, NH PREPARED FOR:

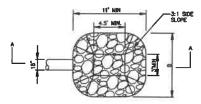
TARA ESTATES COMMUNITY DECEMBER 2021

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

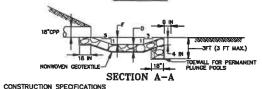
FILE NO 109 PLAN NO. C-2993/SP-2 DWG. NO. 17149 SP-2 F.B. NO.

LAND SURVEYORS





PLAN VIEW



- 1. USE SPECIFIED CLASS OF RIPRAP.

- 6. AT THE PLUNGE POOL CUTLET, PLACE THE STONE SO THAT IT MEETS THE EXISTING GRADE.
- NAINTAIN LINE, GRADE, AND CROSS SECTION, KEEP OUTLET FREE OF EROSION. REMOVE ACCUMULATED SEDIMENT AND DESRIS. AFTER HIGH FLOWS INSPECT FOR SCOUR AND DISLOGED RIPRAP. MAKE

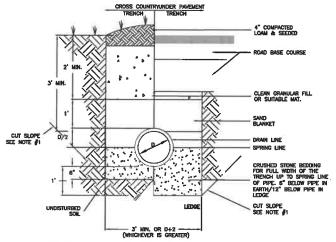
FLAIRED END SECTION DETAIL

NOT TO SCALE

CONSTRUCTION SPECIFICATIONS

- 1. USE SPECIFIED CLASS OF RIPRAP.

- 6. AT THE PLUNGE POOL OUTLET, PLACE THE STONE SO THAT IT MEETS THE EXISTING GRADE.
- MAINTAIN LINE, GRADE, AND CROSS SECTION. KEEP OUTLET FREE OF EROSION. REMOVE ACCUMULATED SEDIMENT AND DEBYS. AFTER HIGH FLOWS INSPECT FOR SCOUR AND DISLOGED RIPRAP. MAKE NECESSARY REPAIRS. IMPERIATELY.

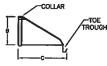


DRAINAGE PIPE TRENCH INSTALLATION DETAIL





TOP VIEW





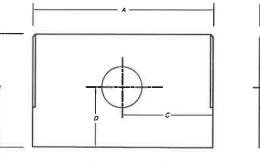
FRONT VIEW

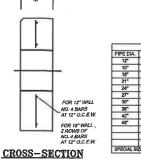
FLAIRED END SECTION DETAIL NOT TO SCALE

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 AWAILABLE 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.









ELEVATION VIEW PRE-CAST HEADWALL DETAIL

NOT TO SCALE

1" CHAMFER ON EXPOSED EDGES

<u>faulation notes:</u> Anti-Seep Collars shall be made plastic if being used with plastic pipe. Anti-Seep Collars shall be calvanzed sheet Steel if being used with corrugated metal pipe and shall be poured concrete if being used with reinforced concrete

— 10.25' —

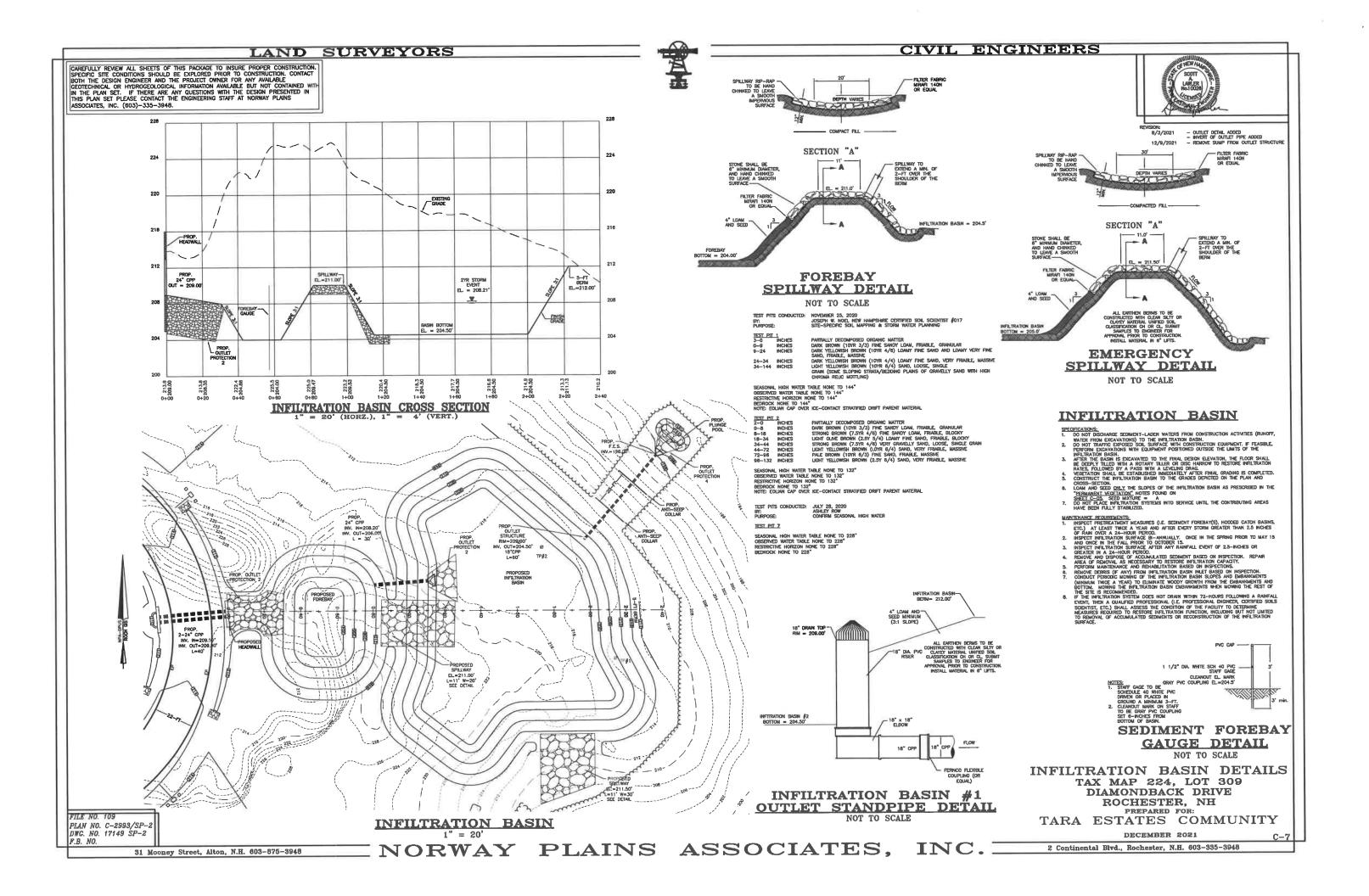
COLLAR DIMENSION TABLE D W H 18 10.25 6

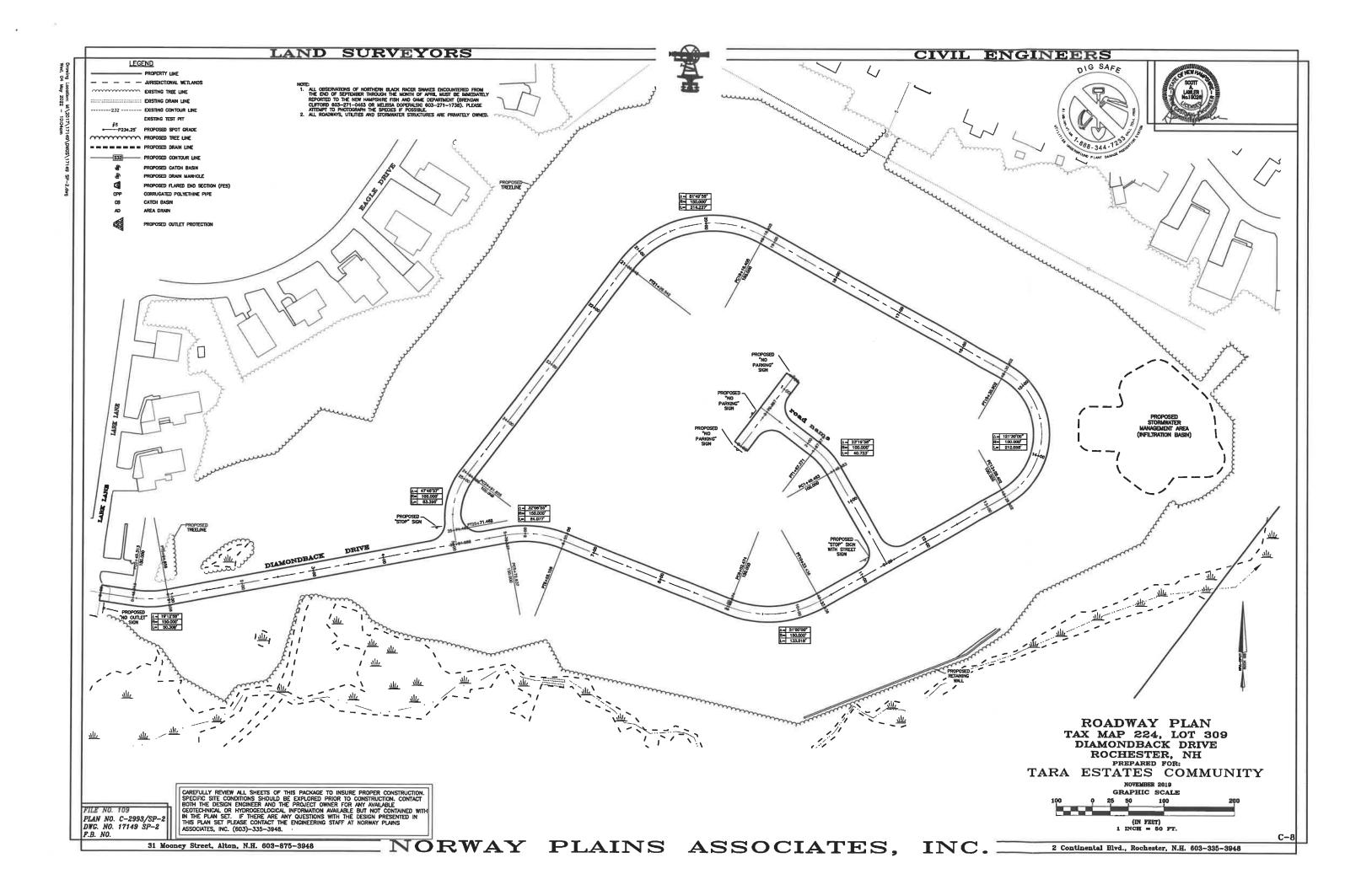
ANTI-SEEP COLLAR DETAIL NOT TO SCALE

> DRAINAGE DETAILS TAX MAP 224, LOT 309 DIAMONDBACK DRIVE ROCHESTER, NH PREPARED FOR:

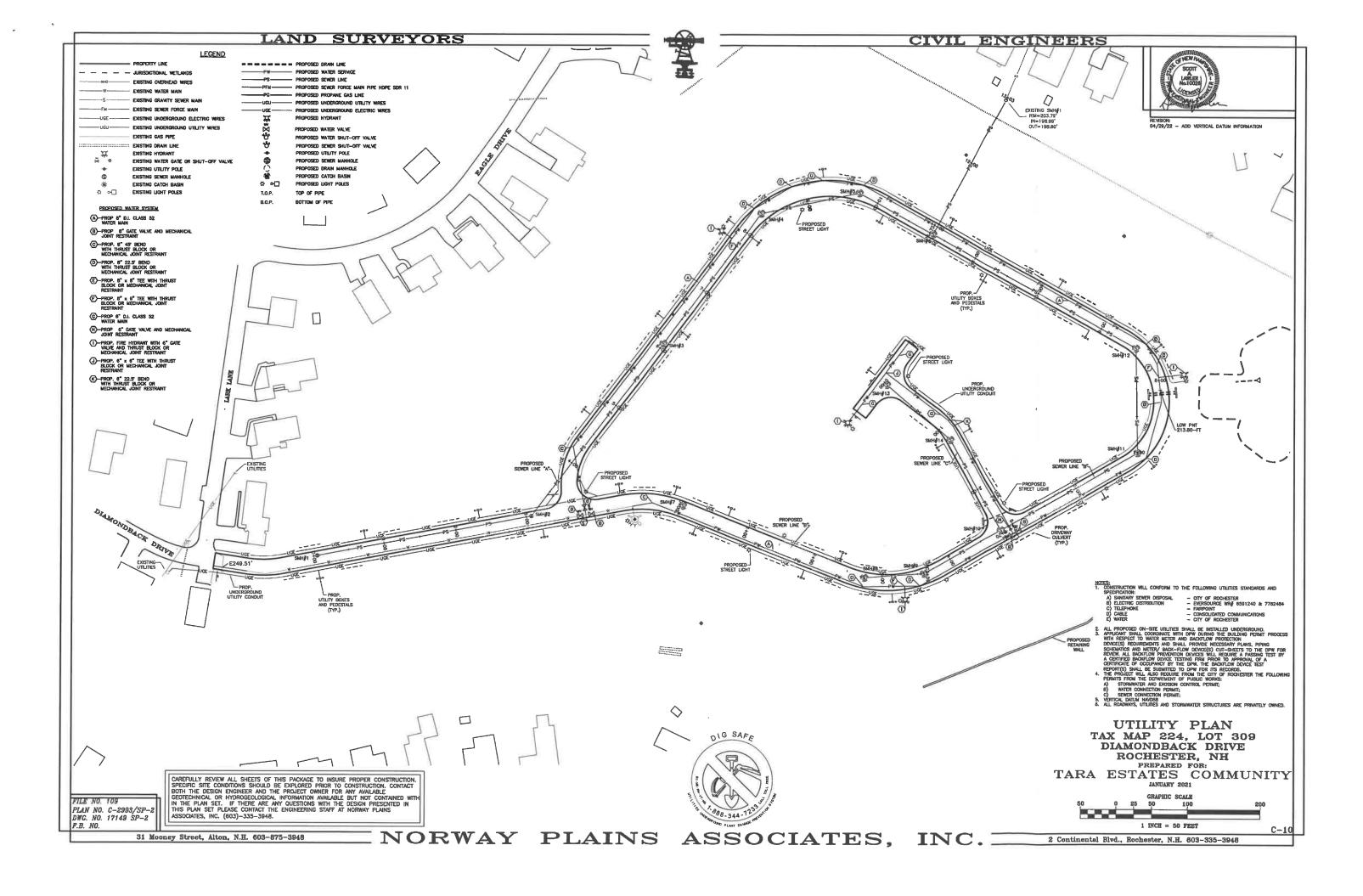
TARA ESTATES COMMUNITY

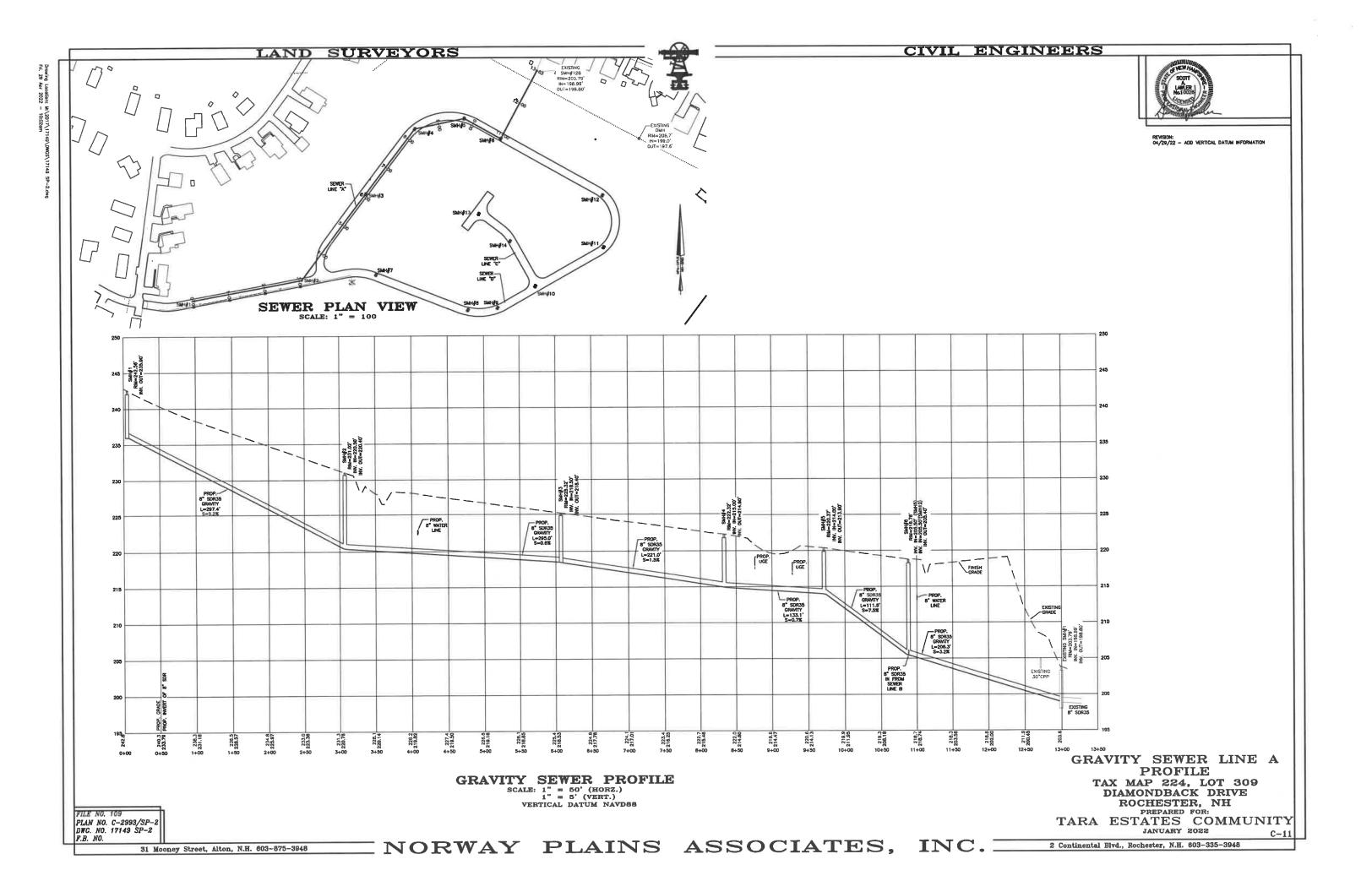
DECEMBER 2021





CIVIL ENGINEERS LAND SURVEYORS DIG SAFE 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. \$3335E 28 88 88 15 SAG STA.14+52.72 SAG ELEV.213.80 13+00 13+50 12+00 235 15 ROADWAY PROFILE TAX MAP 224, LOT 309 DIAMONDBACK DRIVE 222.4 221.4 224.20 222.1 ROCHESTER, NH PREPARED FOR:
TARA ESTATES COMMUNITY JANUARY 2021 FILE NO. 109 SCALE 1" = 50' (HORIZ.) PLAN NO. C-2993/SP-2 DWG. NO. 17149 SP-2 F.B. NO. 1" = 5' (VERT.) C-9 NORWAY PLAINS ASSOCIATES, INC. = 2 Continental Blvd., Rochester, N.H. 603-335-3948 31 Mooney Street, Alton, N.H. 603-875-3948

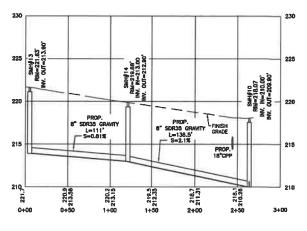




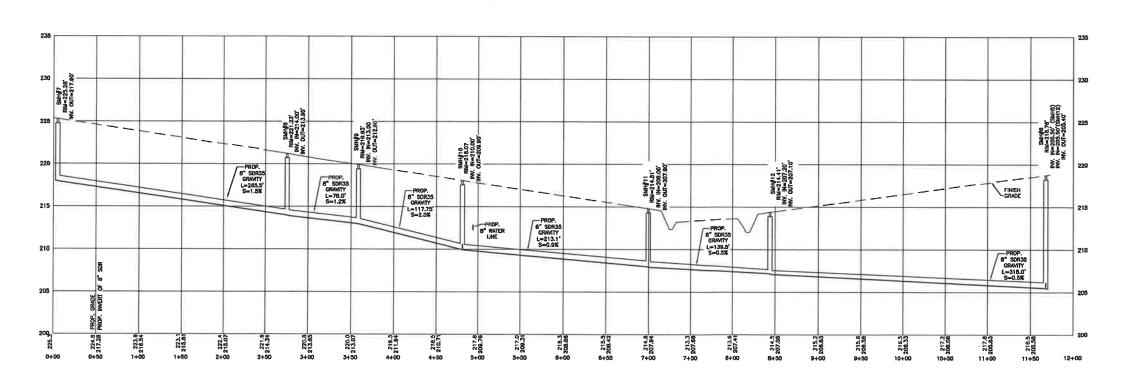
LAND SURVEYORS SEWER PLAN
SCALE: 1" = 100

CIVIL ENGINEERS





GRAVITY SEWER C PROFILE SCALE: 1" = 50' (HORZ.) 1" = 5' (VERT.) VERTICAL DATUM NAVD88



GRAVITY SEWER B PROFILE

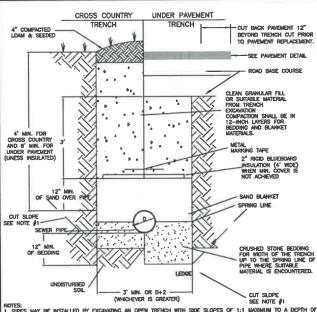
SCALE: 1" = 50' (HORZ.) 1" = 5' (VERT.) VERTICAL DATUM NAVD88

GRAVITY SEWER LINE B & C PROFILE TAX MAP 224, LOT 309 DIAMONDBACK DRIVE ROCHESTER, NH PREPARED FOR:
TARA ESTATES COMMUNITY

PLAN NO. C-2993/SP-2 DWG. NO. 17149 SP-2 F.B. NO. 31 Mooney Street, Alton, N.H. 803-875-3948

NORWAY PLAINS ASSOCIATES, INC. 2 Continental Blvd., Rochester, N.H. 603-335-3948

LAND SURVEYORS



NOTES:

1. PIPES MAY BE INSTALLED BY EXCAVATING AN OPEN TRENCH WITH SIDE SLOPES OF 1:1 MAXMUM TO A DEPTH OF 4-FT. INTALLATIONS DEEPER THAN 4-FT RECUIRE THE USE OF A TRENCH BOX.

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

3. SAND BLANKET MAY BE OMITTED FOR REPORTED FOR PROPERTY OF A TRENCH BOX.

4. WHERE SHEETING IS PLACED ALONGSIGE THE PIPE AND EXTENDED BELLOW NID-DAMMETER. THE SHEETING SHALL BE COLUMN TO THE PIPE AND AT THE PIPE AND AT THE PIPE SHAD BLANKET MATERIAL SHALL BE GRADED SAND FREE FROM ORGANIC MATERIALS, GRADED SUCH THAT TOO PETCHET PASSES A FUNCH SHEETING SHALL BE GRADED SHAD FREE FROM ORGANIC MATERIALS, GRADED SUCH THAT TOO PETCHET PASSES A FUNCH SHEETING SHALL BE GRADED SHAD FREE FROM ORGANIC MATERIALS, GRADED SUCH THAT TOO PETCHET PASSES A FUNCH SHEETING SHALL BE RATURAL MATERIALS.

5. THE PIPE SHAD BLANKET MATERIAL IN ROADMAY LOCATIONS SHALL BE NATURAL MATERIALS.

6. TRENCH BLOCKFILL MATERIAL IN ROADMAY LOCATIONS SHALL BE NATURAL MATERIALS.

(1) DEERIS;

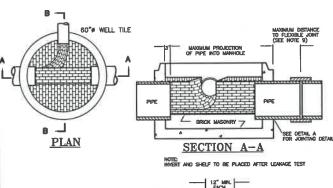
FILE NO. 109

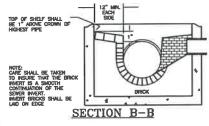
PLAN NO. C-2993/SP-2 DWG. NO. 17149 SP-2

- DERRIS,
 PRICES OF PAVEMENT;
 ORGANIC MATTER;
 TOP SOU;
 WET OR SOFT MUCK;
 PEAT OR CLAY;
 EXCANTED LEDGE MATERIA:
 ROCKS ONE 6 MICHES IN THE LARGEST DIMENSION; AND
 ANY MATERIAL NOT APPROVED BY THE ENGINEER.

SEWER PIPE TRENCH INSTALLATION DETAIL

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 WITHIN THE PLAN SET. IF THERE ARE ANY QUESTIONS WITH THE DESIGN PRESENTED IN THIS PLAN SET PLEASE CONTACT THE ENGINEERING STAFF AT NORWAY PLANS ASSOCIATES, INC. (603)—335—3948.





INVERT DETAILS
NOT TO SCALE

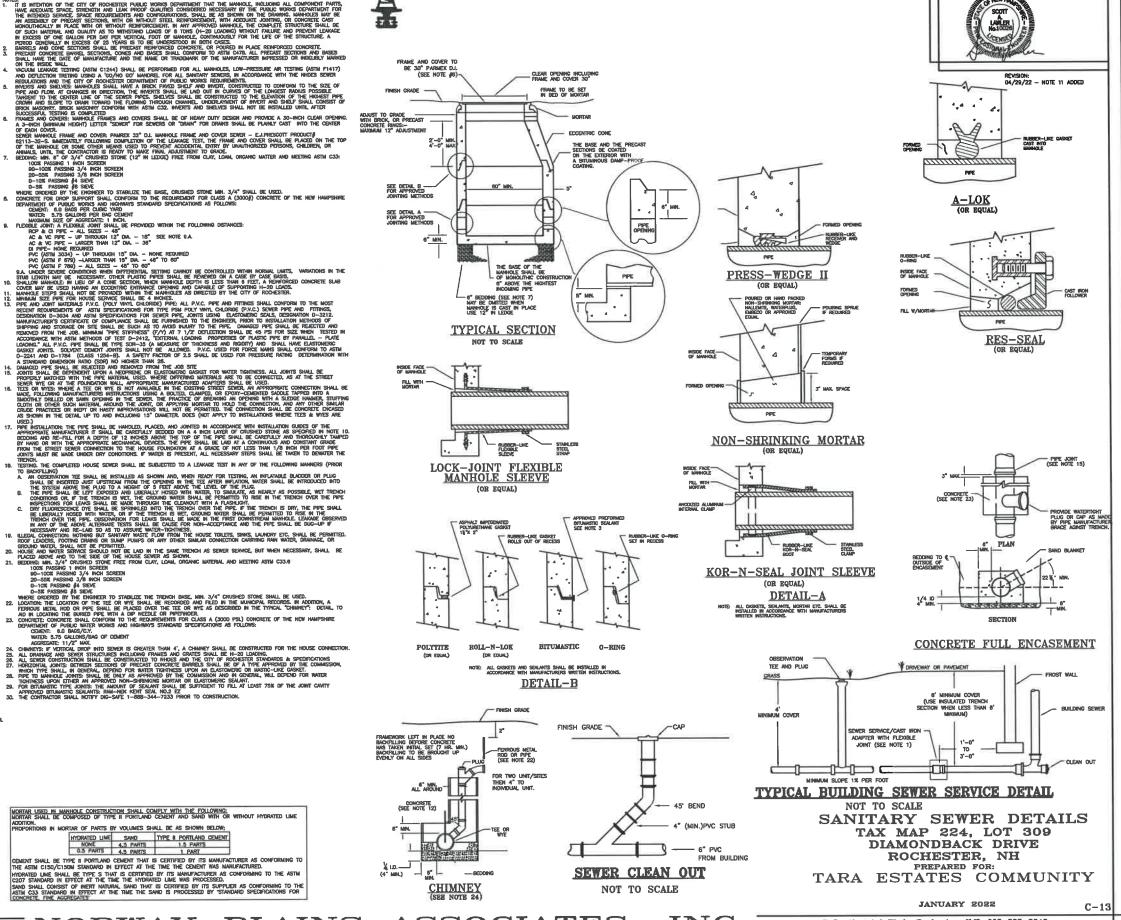
THE THIRD. THE COMPLETED HOUSE SENGE SHALL BE SUBJECTION TO ALLAWAGE TEST IN ANY OF THE FOLLOWING MANNERS (FROR TO BICKPILLING)

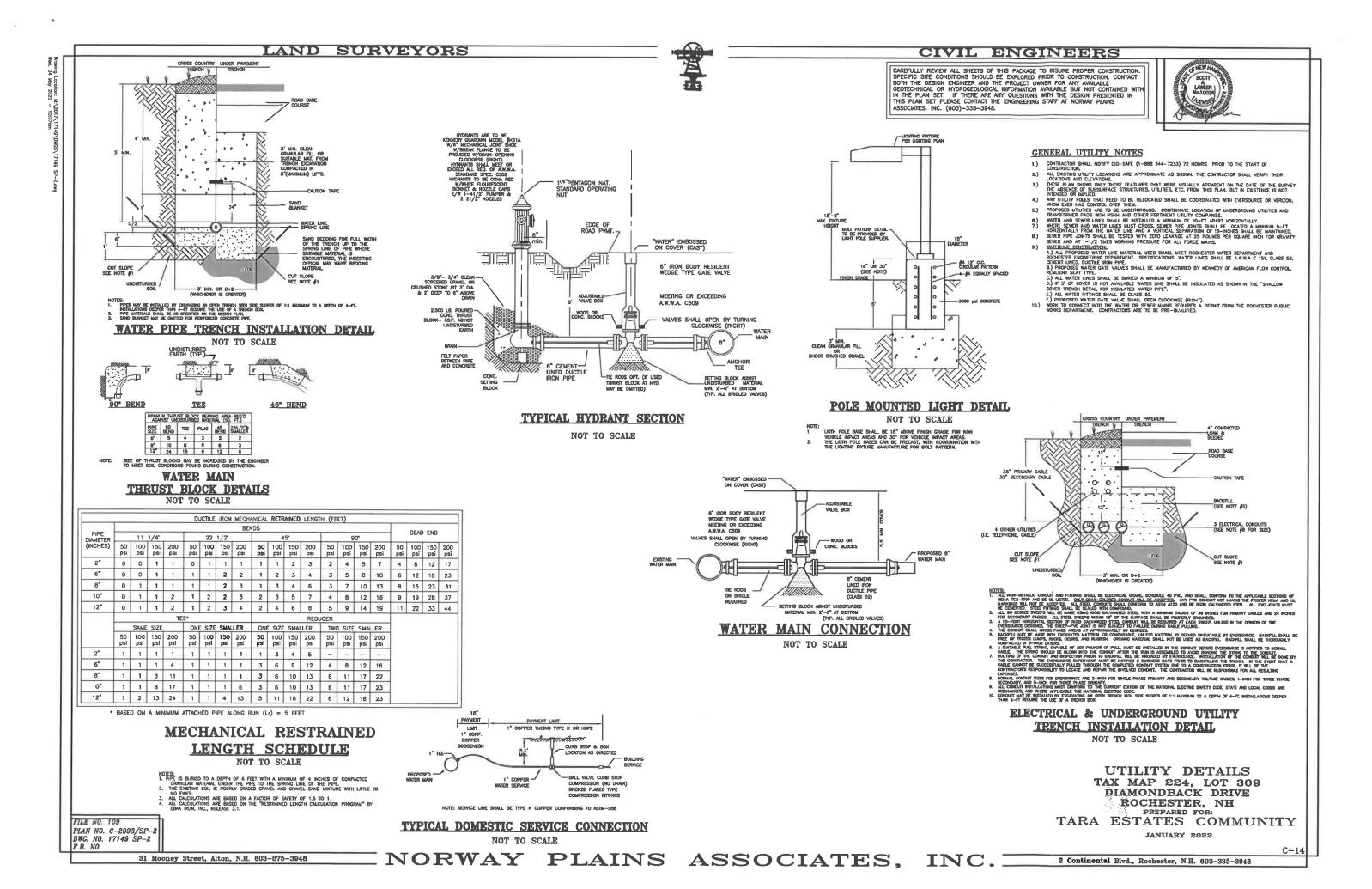
A MI OSSERVATION THE SHALL BE INSTALLED AS SHOWN AND, WHEN READY FOR TESTING, AN INFLATABLE BUADDER OR PLUC SHALL BE RESENTED JUST UPSTREAM FROM THE OPERING BY THE TEXT PRINTED HEALTH SHALL BE INTRODUCED INTO SHALL BE RESENTED JUST UPSTREAM FROM THE OPERING BY THE TEXT PRINTED HEALTH SHALL BE WITHOUT CONTINUED AND THE TEXT PRINTED HEALTH SHALL BE WITHOUT CONTINUED AND THE TEXT PRINTED HEALTH SHALL BE WITHOUT CONTINUED AND THE TEXT PRINTED HE SHALL BE LIFT EXPOSED HE WITHOUT CONTINUED AND THE TEXT PRINTED HEALTH SHALL BE WITHOUT ON RISE IN THE TEXT OF OWNER THE PRINTED HEALTH SHALL BE PERMITTED TO RISE IN THE TEXT OF OWNER THE PRINTED HEALTH SHALL BE MORE IN THE RESENCE OF THE PRINTED HEALTH SHALL BE MORE IN THE RESENCE OF THE PRINTED HEALTH SHALL BE MORE IN THE PRINTED HEALTH SHALL BE MORE INTO THE PRINTED HEALTH SHALL BE MORE IN THE PRINTED HEALTH SHALL BE MORE INTO THE PRINTED HEALTH SHALL BE MORE THAN THE PRINTED HEALTH SHALL BE MORE THE PRINTED HEALTH SHALL BE MORE THAN THE PRINTED HEALTH SHALL BE MORE THAN THE PRINTED HEALTH SHALL BE MORE THAN THE PRINTED HEALTH SHALL BE MORE THA

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

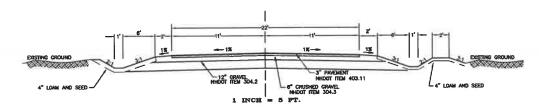
CEMENT SHALL BE TYPE II PORTLAND CEMENT THAT IS CERTIFIED BY ITS MANUFACTURER AS CONFORMING TO THE ASTM CISO/CISOM STANDARD IN EFFECT AT THE TIME THE CEMENT WAS MANUFACTURED. HOPORATED LIME SHALL BE TYPE S THAT IS CERTIFIED BY ITS MANUFACTURER AS CONFORMING TO THE ASTM CROFT STANDARD IN EFFECT AT THE TIME THE HYDRATED LIME WAS PROCESSED.

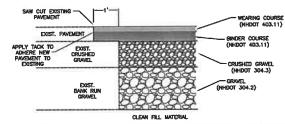






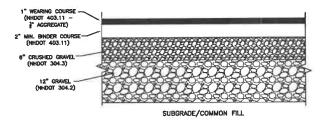






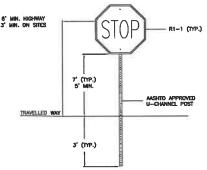
TYPICAL PAVEMENT MATCHING DETAIL

NOT TO SCALE



PAVEMENT CROSS-SECTION

NOT TO SCALE



- SIGNS SHALL BE MOUNTED 7 FT FROM GROUND TO BOTTOM EDGE WHERE PARKING AND PARKING LOT MOVEMENTS TAKE PLACE.
- 3. SIGNS SHALL BE PLACED SO THAT NEAREST EDGE IS 6 FT. FROM TRAVELED WAY.

TYPICAL TRAFFIC SIGN

NOT TO SCALE

ITEM	SIGN SIZE		TEXT	NO. SIGNS
NO.	HEIGHT	WIDTH	ILA.	REO'D
R1-1	30"	30"	STOP	2
W14-2	30"	30"	NO	1
ROCHESTER STREET SIGN	9" HIGH (GREEN) W/ 6" WHTIE LETTERS		STREET NAME	1
R7-1	18"	12"	PARCING ANY TIME	3

NOTES: 1. ALL SIGNS SHALL BE PER "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST

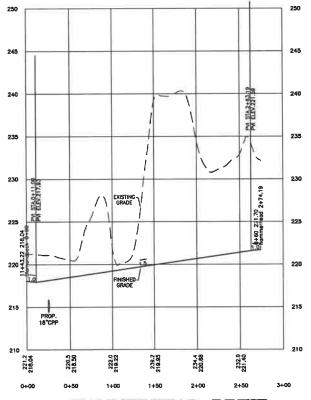
SIGN SCHEDULE

NOT TO SCALE

CIVIL ENGINEERS

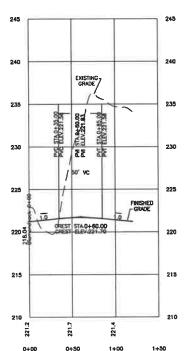
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HAMMERHEAD DRIVE

SCALE 1" = 50' (HORIZ.) 1" = 5' (VERT.)



TURN ARROUND DRIVE

SCALE 1" = 50' (HORIZ.) 1" = 5' (VERT.)

CONSTRUCTION DETAILS TAX MAP 224, LOT 309 DIAMONDBACK DRIVE ROCHESTER, NH PREPARED FOR:

TARA ESTATES COMMUNITY

JANUARY 2022

FILE NO. 109 PLAN NO. C-2993/SP-2 DWG. NO. 17149 SP-2 P.B. NO.