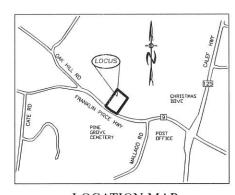
MIXED-USE DEVELOPMENT ROUTE 9 *TAX MAP 234, LOT 77*



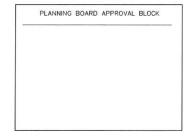
LOCATION MAP

PLAN INDEX

| TITLE SHEET | |
|--------------------------|---|
| EXISTING CONDITIONS PLAN | 1 |
| PARKING/PAVEMENT PLAN | 2 |
| GRADING PLAN | 3 |
| DRAINAGE & PROFILE PLAN | 4 |
| CONSTRUCTION DETAILS | |
| FIRE CISTERN DETAILS | (|
| EROSION & SEDIMENT | |
| CONTROL DETAILS | |
| RECEIVED | |

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LAND USE OFFICE



WETLAND/SOIL CONSULTANT:

JOHN P. HAYES III CSS, CWS 7 LIMESTONE WAY NORTH HAMPTON, NH 03820 PHONE: 603-205-4396 JOHNPHAYES@COMCAST.NET LAND SURVEYORS:

DAVID W. VINCENT, LLS LAND SURVEYING SERVICES PO BOX 1622 DOVER, NH 03821 1-603-664-5786



CIVIL ENGINEERS:



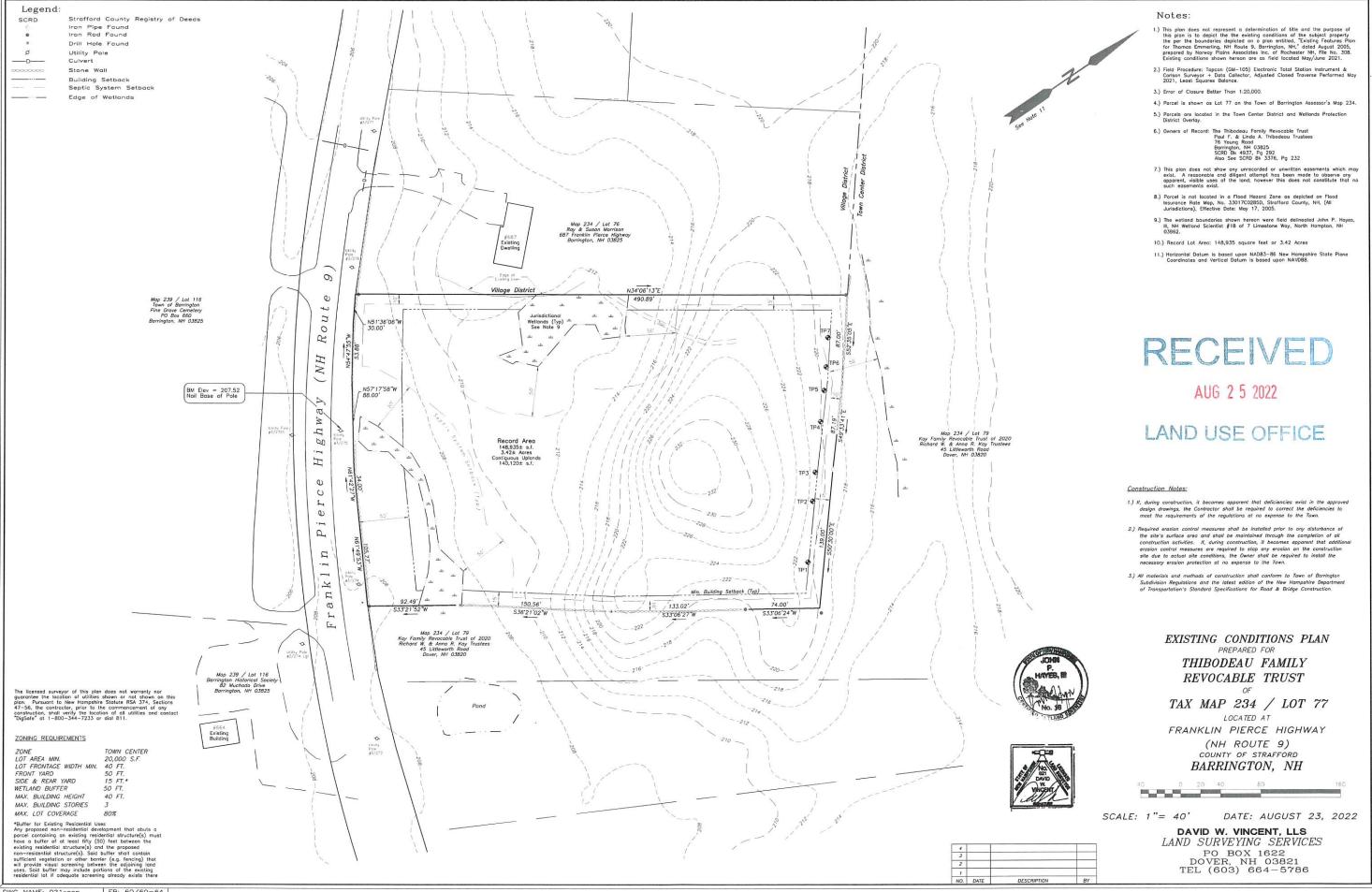
70 PORTSMOUTH AVE, THIRD FLOOR, SUITE 2 STRATHAM, N.H. 03885 PHONE: 603-583-4860, FAX. 603-583-4863

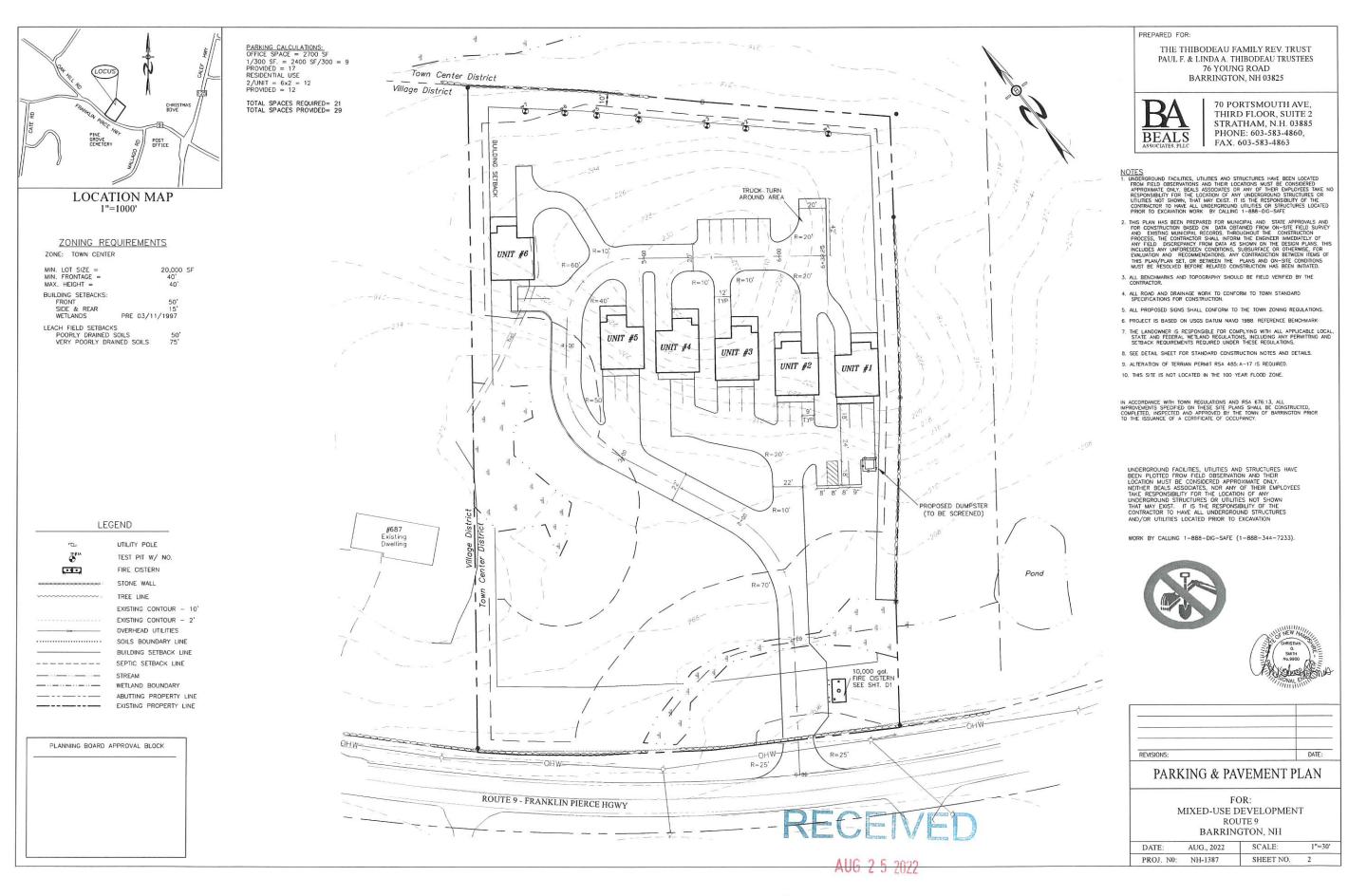
OWNER OF RECORD THIBODEAU PAUL& LINDA THIBODEAU FAMILY REV TRUST 76 YOUNG RD. BARRINGTON, NH 03825

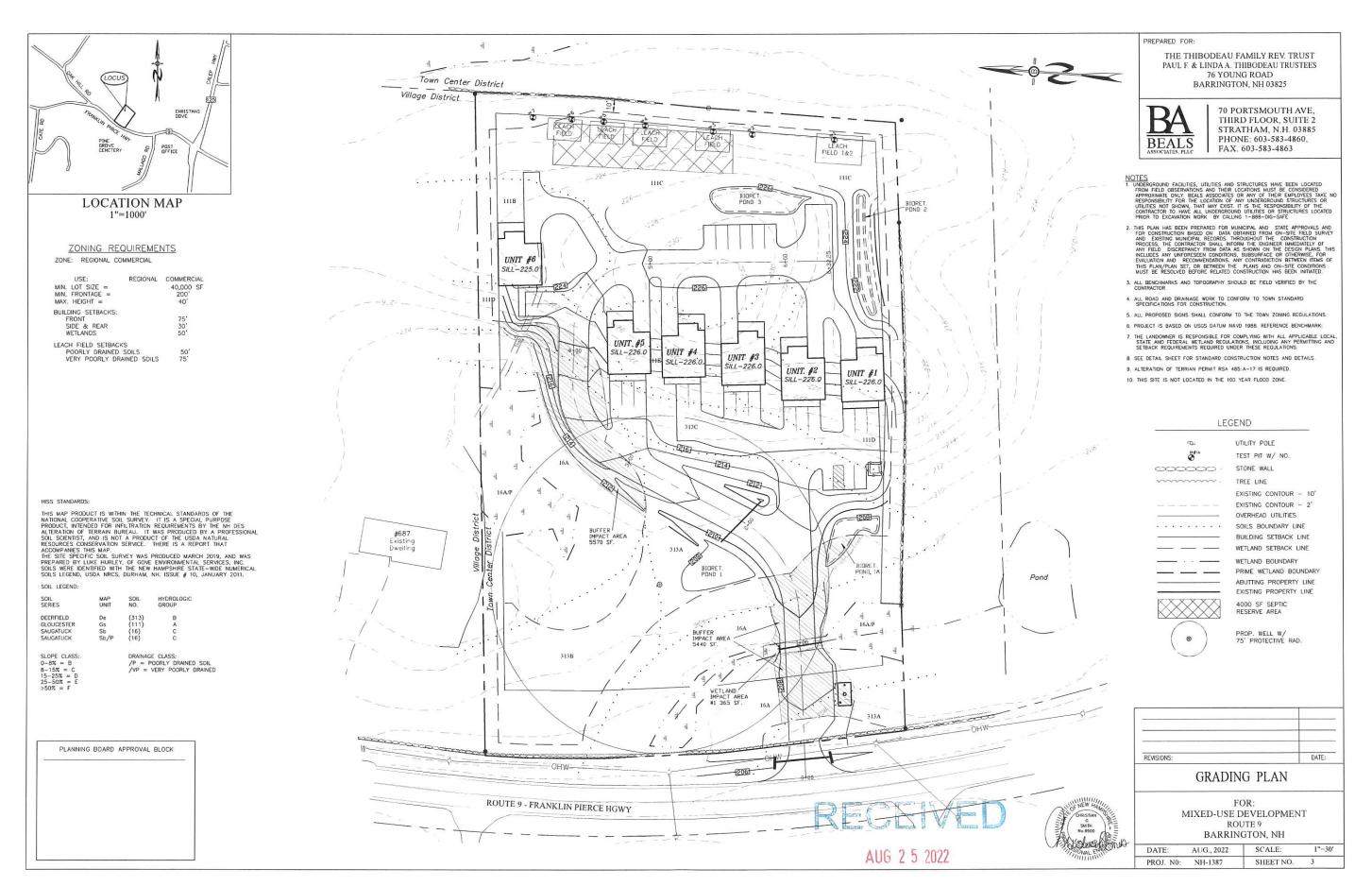
REQUIRED PERMITS

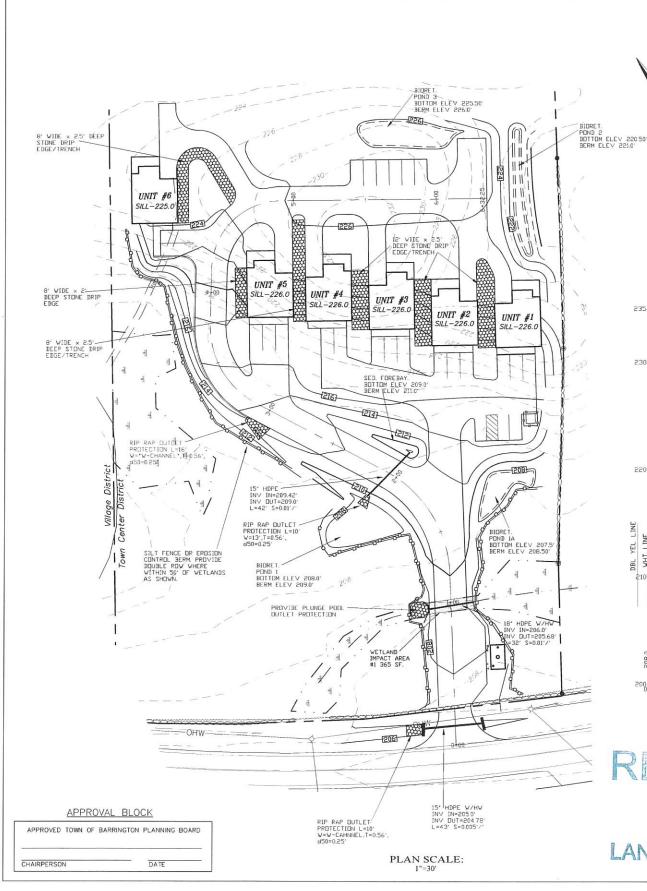
NHDES SEPTIC APPROVAL NUMBER: (PENDING)
NHDOT PERMIT NUMBER: (PENDING)

| REVISIONS: | DATE: |
|------------|-------|
| | |
| | |
| | |
| | |
| | |
| | |









| TABLE 7-24-RECOMME | NDED RIP RAP G | RADATION RANGES |
|--|----------------|-----------------|
| d50 SIZE= 0. | 25 FEET | 3 INCHES |
| % DF WEIGHT SMALLE THAN THE GIVEN 050 | | STONE(INCHES) |
| 100% | 5 | 6 |
| 85% | 4 | 5 |
| 50% | 3 | 5 |
| 15% | 1 | 2 |

PLANNING BOARD APPROVAL BLOCK

PREPARED FOR:

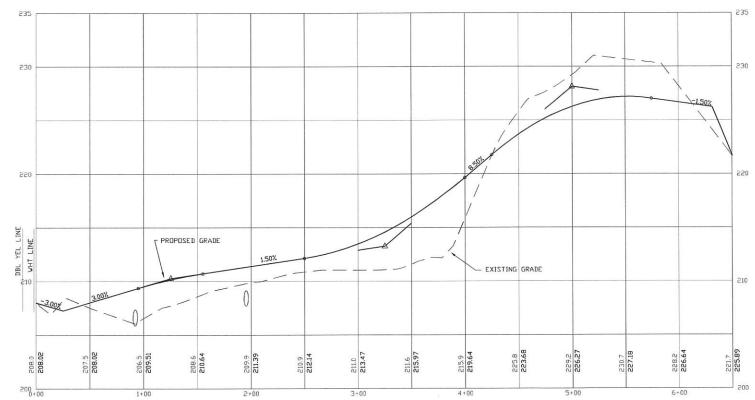
THE THIBODEAU FAMILY REV. TRUST PAUL F. & LINDA A. THIBODEAU TRUSTEES 76 YOUNG ROAD BARRINGTON, NH 03825



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TEMPORARY STONE CHECK DAM LOCATIONS

STATION 2+50 TO 5+00 L&R-EVERY 23'



PROFILE SCALES:
HORIZONTAL: 1"=40' VERTICAL: 1"=4'

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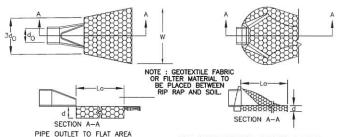


| REVISIONS: | DATE: |
|------------|-------|

FOR:
MIXED-USE DEVELOPMENT
ROUTE 9
BARRINGTON, NH

PLAN & PROFILE - P1

DATE: AUG., 2022 SCALE: 1"=30"
E: PROJ. NO: NH-1387 SHEET NO. 4



WITH NO DEFINED CHANNEL

PIPE OUTLET TO WELL-DEFINED CHANNEL

WITH NO DEFINED CHANNEL

CONSTRUCTION SPECIFICATIONS

1. THE SUB GRADE FOR THE FILTER MATERIAL, GEOTEXTILE FABRIC, AND RIP RAP SHALL BE PREPARED TO THE LINES AND GRADES SHOWN ON THE PLANS.

2. THE ROCK OR GRAVEL USED FOR FILTER OF RIP RAP SHALL CONFORM TO THE SPECIFIED GRADATION, 3. GEOTEXTILE FABRICS SHALL BE PROTECTED FROM PUNCTURE OR TEARING DURING THE PLACEMENT OF THE ROCK RIP RAP. DAMAGED AREA OR BY COMPLETE REPLACEMENT OF THE FABRIC ALL OVERLAPS REQUIRED FOR REPAIRS OR JOINING TWO PIECES OF FABRIC SHALL BE A MINIMUM OF 12 INCHES.

4. STONE FOR THE RIP RAP MAY BE PLACED BY EQUIPMENT AND SHALL BE CONSTRUCTED

10 THE FULL LAYER THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO PREVENT SEGREGATION OF THE STONE SIZES.

OF THE STONE SIZES.

5. STONE FOR RIRAP SHALL BE ANGULAR OR SUBANGULAR. THE STONES SHOULD BE SHAPED SO THAT THE LEAST DIMENSION OF THE STONE FRAGMENT SHALL BE NOT LESS THAN ONE—THIRD OF THE GREATEST DIMENSION OF THE FRAGMENT.

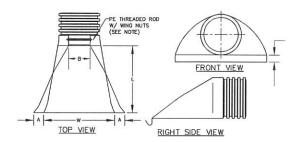
DIMENSION OF THE FRAGMENT.

6. FLAT ROCKS SHALL NOT USED FOR RIP RAP, VOIDS IN THE ROCK RIPRAP SHOULD BE FILLED WITH SPALLS AND SMALLER ROCKS.

MAINTENANCE

1. THE OUTLET PROTECTION SHOULD BE CHECKED AT LEAST ANNUALLY AND AFTER EVERY MAJOR STORM. IF THE RIP RAP HAS BEEN DISPLACED, UNDERMINED OR DAMAGED, IT SHOULD BE REPAIRED IMMEDIATELY. THE CHANNEL IMMEDIATELY BELOW THE OUTLET SHOULD BE CHECKED TO SEE THAT EROSION IS NOT OCCURRING. THE DOWNSTREAM CHANNEL SHOULD BE CHECKED TO SEE THAT EROSION IS NOT OCCURRING. THE DOWNSTREAM CHANNEL SHOULD BE KEPT CLEAR OF OBSTRUCTIONS SUCH AS FALLEN TREES, DEBRIS, AND SEDIMENT THAT COULD CHANGE SHOULD SEE THAT EROSIDE DEBRIS. 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 OUTLET PROTECTION.

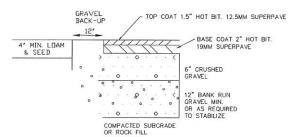
PIPE DUTLET PROTECTION



| PART No. | PIPE SIZE | A | B(MAX) | н | L | w |
|----------|---------------|-----------------|--------|----------------|----------------|----------------|
| 1510-NP | 15" | 6.5" | 10" | 6.5" | 25" | 29" |
| | 375 mm | 165 mm | 254 mm | 165 mm | 635 mm | 735 mm |
| 1810-NP | 18" | 7.5" | 15" | 6.5" | 32" | 35" |
| | 450 mm | 190 mm | 380 mm | 165 mm | 812 mm | 890 mm |
| 2410-NP | 24" | 7.5" | 18" | 6.5" | 36" | 45" |
| | 600 mm | 190 mm | 450 mm | 165 mm | 900 mm | 1140 mm |
| 3010-NP | 30" 750 mm | 10.5" 266 mm | N/A | 7.0" 178 mm | 53" 1345 mm | 68" 1725 mm |
| 3610-NP | 36" 900 mm | 10.5" 266 mm | N/A | 7.0" 178 mm | 53" 1345 mm | 68" 1725 mm |

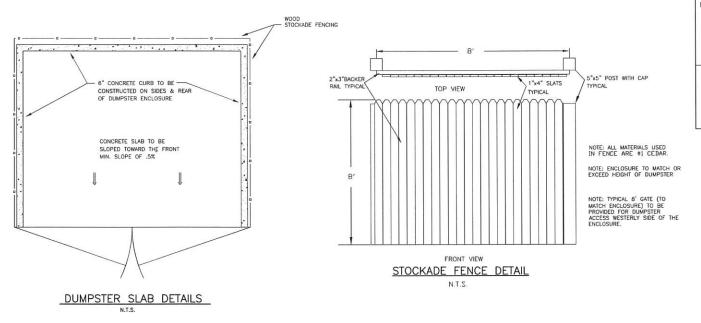
PE THREADED ROD W/ WING NUTS PROVIDED FOR END SECTIONS 15"-24". 30" & 36" END SECTIONS TO BE WELDED PER MANUFACTURER'S RECOMMENDATIONS.

ADS N-12 FLARED END SECTIONS NOT TO SCALE (ALL DIMENSIONS ARE NOMINAL)



NOTE: IN AREAS OF ROCK EXCAVATION, MINIMUM 9" BANK RUN GRAVEL SHALL BE PLACED

TYPICAL PAVEMENT SECTION NEW ASPHALT - NTS

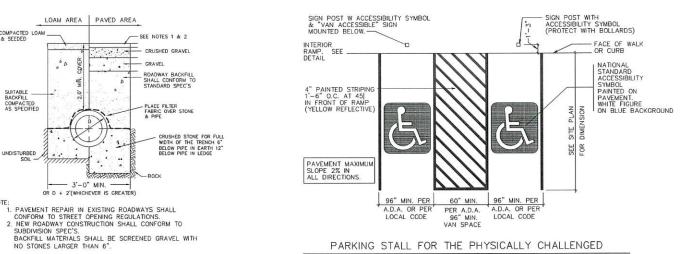


LOAM AREA | PAVED AREA

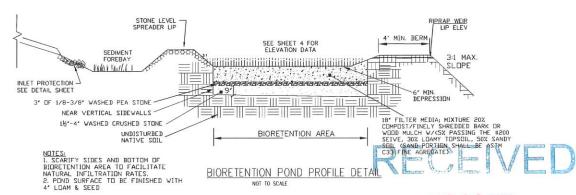
- 3'-0" MIN. -

TYPICAL DRAINAGE TRENCH DETAIL

UNDISTURBED



PARKING STALL FOR THE PHYSICALLY CHALLENGED NOT TO SCALE DEC. 15, 1991



AUG 2 5 2022

PREPARED FOR:

THE THIBODEAU FAMILY REV. TRUST PAUL F. & LINDA A. THIBODEAU TRUSTEES 76 YOUNG ROAD BARRINGTON, NH 03825



70 PORTSMOUTH AVE, THIRD FLOOR, SUITE 2 STRATHAM, N.H. 03885 PHONE: 603-583-4860, FAX. 603-583-4863



| REVISIONS: | DATE: |
|------------|-------|

CONSTRUCTION DETAILS D1

FOR: MIXED-USE DEVELOPMENT ROUTE 9 BARRINGTON, NH

| DATE: | AUG., 2022 | SCALE: | N/A |
|-----------|------------|-----------|-----|
| PROJ. NO: | NH-1387 | SHEET NO. | 5 |

CISTERN SPECIFICATIONS

- 1. THE CISTERN SHALL BE DESIGNED TO BE TROUBLE FREE, AND IT SHALL BE DESIGNED TO LAST 50 YEARS.
- 2. THE MINIMUM CAPACITY SHALL BE 10,000 GALLONS. DEPENDING ON THE DEVELOPMENT LAYOUT/CONFIGURATION, ADDITIONAL GALLON REQUIREMENTS MAY BE IMPOSED AT THE DISCRETION OF THE FIRE CHIEF. ALL EXCEPTIONS, ADDITIONS, OR DELETIONS WILL BE IN WRITING.
- THE SUCTION CAPACITY SHALL BE CAPABLE OF DELIVERING 1,000 GALLONS PER MINUTE (GPM) FOR THREE—QUATERS OF THE CISTERN CAPACITY.
- 4. THE ENTIRE CISTERN AND APPURTENANCES SHALL BE RATED FOR HS-20 HIGHWAY
- 5. DRAWINGS OF THE DESIGN ARE FOR ESTIMATING GENERAL REQUIREMENT AND DESIGN
- PURPOSES ONLY AND ARE NOT INTENDED FOR USE AS DESIGN.

 6. EACH CISTERN SHALL BE DESIGNED, SITED TO THE PARTICULAR LOCATION, STAMPED
- BY A REGISTERED ENGINEER, AND APPROVED BY THE FIRE CHIEF.

 7. ALL SUCTION AND FILL PIPING SHALL BE AMERICAN SOCIETY FOR TESTING MATERIALS (ASTM) SCHEDULE 40 STEEL. ALL VENT PIPING SHALL BE ASTM SCHEDULE 40 STEEL WITH WELDED JOINTS. ALL PIPING LOCATED WITHIN THE TANK SHALL BE ASTM SCHEDULE 40 STEEL WITH WELDED JOINTS. ALL PIPING LEADING FROM THE TANK TO
- HE HYDRANT SHALL BE ASTM SCHEDULE 40 STEEL. 8. THE FINAL SUCTION CONNECTION SHALL BE FIVE INCH PUMPER NOZZLE WITH A CAP. THE SUCTION PIPE SHALL BE BRACED TO ENSURE DURABILITY DURING PUMPING OPERATIONS. THE FIRE CHIEF SHALL APPROVE BRACE CONFIGURATION AND INSTALLATION. THE SUCTION PIPE CONNECTION SHALL BE TWENTY-FOUR INCHES ABOVE THE LEVEL OF THE VEHICLE PAD WHERE VEHICLE WHEELS WILL BE LOCATED WHEN THE CISTERN IS IN USE.
- 9. THE FILLER CONNECTION SHALL BE INTALLED INTO THE EIGHT INCH VENT WITH 4" MALE STEEL STORZ FITTING, THIS FITTING SHALL BE 24" ABOVE FINISH GRADE AND FACE THE ROAD. A THIRTY-TWO INCH DIAMETER MANHOLE WITH COVER WILL BE LOCATED ON TOP OF THE CISTERN. THE CONFIGURATION OF THIS MANHOLE SHALL ALLOW THE UNIT TO BE SECURED WITH TWO PADLOCKS AND SHALL BE APPROVED BY THE FIRE CHIEF. THE PADLOCKS WILL BE SUPPLIED BY THE FIRE DEPARTMENT.

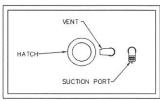
 10. THE DISTANCE FROM THE BOTTOM OF THE SUCTION PIPE TO THE PUMPER
- CONNECTION SHALL NOT EXCEED FOURTEEN FEET VERTICAL.
- 11. ALL HORIZONTAL SUCTION PIPING SHALL SLOPE SLIGHTLY UPHILL TOWARD THE PUMPER CONNECTION.
- 12. BEDDING FOR THE CISTERN SHALL CONSIST OF A MINIMUM OF TWELVE INCHES OF 3/4" TO 1 1/2" WASHED PEA STONE, COMPACTED, NO FILL SHALL BE USED UNDER THE STONE. OVER EXCAVATION SHALL BE FILLED WITH THE SAME STONE BEDDING MATERIAL.
- 13. ALL BACKFILL MATERIALS SHALL BE SCREENED GRAVEL WITH NO STONES LARGER THAN SIX INCHES AND SHALL BE COMPACTED TO 95 PERCENT OF ITS ORIGINAL VOLUME IN ACCORDANCE WITH ASTM D 1557. 16. THE TOP OF CISTERN SHALL BE INSULATED WITH VERMIN RESISTANT FOAM INSULATION AND TWO FEET OF BACKFILL WITH A MINIMUM WEIGHT OF 120 PCF, COMPACTED, FOAM USED FOR THIS INSTALLATION SHALL BE CLOSED CELL POLYURETHANE FOAM WITH AN INSULATION FACTOR OF R=5 PER INCH. ALL BACKFILL SHALL EXTEND TEN FEET BEYOND THE EDGE OF THE VEHICLE PAD AND THEN HAVE A MAXIMUM OF 3:1 SLOPE, LOAM AND
- 14. BEFORE ANY BACKFILLING IS DONE THE ENTIRE CISTERN SHALL BE COMPLETED AND
- INSPECTED BY THE FIRE CHIEF.

 15. AFTER BACKFILLING, BOLLARDS OR LARGE STONES SHALL BE PLACED TO PROTECT
- THE TANK AND APPURTENANCES.

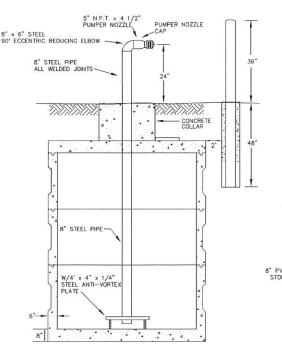
 16. THE PITCH OF THE SHOULDER AND VEHICLE PAD FROM THE EDGE OF THE PAVEMENT TO THE PUMPER SUCTION CONNECTION SHALL BE ONE PERCENT TO THREE PERCENT DOWNGRADE.

 17. THE SHOULDER AND VEHICLE PAD SHALL BE OF A SUFFICIENT LENGTH TO ALLOW
- CONVENIENT ACCESS TO THE SUCTION CONNECTION WHEN THE PUMPER IS SET AT 45 DEGREES TO THE ROAD. THE SHOULDER AND VEHICLE PAD SECTION SHALL CONSIST OF 3" BITUMINOUS PAVING, REFER TO SITE PLAN FOR REQUIREMENTS.

 18. THE SUCTION FITTING SHALL BE LOCATED BETWEEN 22 AND 24 FEET FROM THE
- NEAREST RUNNING EDGE OF ROAD PAVEMENT. TWO CONCRETE FILLED STEEL
 BOLLARDS SHALL BE PLACED IN A MANNER TO PROTECT THE HYDRANT. THE BASE
 OF THESE BOLLARDS SHALL EXTEND BELOW THE FROST LINE. THE UPPER PORTION OF THE BOLLARDS SHALL EXTEND THIRTY SIX INCHES ABOVE THE LEVEL OF THE VEHICLE PAD WHERE VEHICLE WHEELS WILL BE LOCATED WHEN THE CISTERN IS IN
- ALL CONSTRUCTION, BACKFILL, AND GRADING MATERIALS SHALL BE IN ACCORDANCE WITH PROPER CONSTRUCTION PRACTICES AND SHALL BE ACCEPTABLE TO THE FIRE CHIFF
- 20. THE FIRE CHIEF (OR REPRESENTATIVE) AND THE ENGINEER'S INSPECTOR WILL BE NOTIFIED BY THE CONTRACTOR TO OBSERVE THE FOLLOWING POINTS OF INSTALLATION:
- A. EXCAVATION COMPLETE. B. CRUSHED STONE INSTALLED AND COMPACTED
- C. BACKFILLING COMPLETE PRIOR TO PLACEMENT OF INSULATION.
 D. PLACEMENT OF INSULATION.
- F START AND FINISH OF LEAKAGE TEST
- F. PIPING MANWAYS AND BOLLARDS IN PLACE AND PAINTED.
 G. ALL BACKFILLING LOAM, SEED, ETC. COMPLETE WITH TURNOUT GRAVEL IN PLACE AND GRADED.
- H. PAVEMENT COMPLETE, AND ALL OTHER WORK 100% COMPLETE.
- 21. THE FIRE CHIEF SHALL BE NOTIFIED OF THE DATE THAT SITE WORK IS TO BEGIN. 22. ANY EXCEPTION, ADDITIONS, OR DELETIONS ARE DATED AND NOTED BELOW:
- 23. CONCRETE MUST HAVE A MINIMUM OF 150 PCF.
- 24. STONE AND GRAVEL BACKFILL MUST HAVE A MINIMUM OF 120 PCF



CISTERN DETAILS

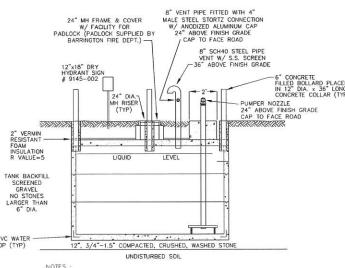




CISTERN PLAN

-- 10.000 GALLON CONCRETE CISTERN

> B" CONCRETE BOLLARDS 8' O.C



- 1.) 10,000 GAL CONCRETE TANK AVAILABLE AT E.F.SHEA, NEW ENGLAND CONCRETE PRODUCTS, INC. OR EQUIV.
 2.) HYDRANT STRUCTURE AVAILABLE FROM COULD SUPPLY OR EQUIV.
 3.) THE INSTALLER IS RESPONSIBLE FOR FILING THE TANKS AFTER INSTALLATION.
 4. HANG CAPACITY: 9/5 16/2 8/5 = 1.086 O.F. 17 240052 = 10,233 GALS.
 5.) ISEE TOWN OF PARTINGTON FIRE PROTECTION CASTERN SPECIFICATIONS (40 PARAGRAPH LISTING)

AUG 2 5 2022

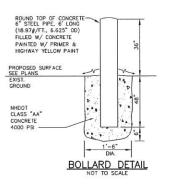


70 PORTSMOUTH AVE,

THIRD FLOOR, SUITE 2 STRATHAM, N.H. 03885

THE THIBODEAU FAMILY REV. TRUST PAUL F. & LINDA A. THIBODEAU TRUSTEES 76 YOUNG ROAD BARRINGTON, NH 03825

PREPARED FOR:



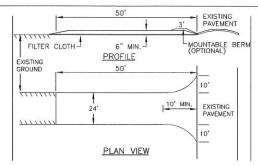
| REVISIONS: | DATE: |
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CISTERN DETAIL SHEET

FOR: MIXED-USE DEVELOPMENT ROUTE 9 BARRINGTON, NH

| | DATE: | AUG., 2022 | SCALE: | NONE | |
|---|-----------|------------|-----------|------|--|
| Ī | PROJ. NO: | NH-1387 | SHEET NO. | 6 | |





1. STONE FOR A STABILIZED CONSTRUCTION ENTRANCE SHALL BE 3 INCH STONE, RECLAIMED STONE. OR

1. STONE FOR A STABILIZED CONSTRUCTION ENTRANCE SHALL BE 3 INCH STONE, RECLAIMED STONE, OR RECYCLED CONCRETE EQUIVALENT.

2. THE LENGTH OF THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 50 FEET, EXCEPT FOR A SINGLE RESIDENTIAL LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY.

3. THE THICKNESS OF THE STONE FOR THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 61 NCHES.

4. THE WIDTH OF THE ENTRANCE SHALL NOT BE LESS THAN THE FULL WIDTH OF THE ENTRANCE WHERE INGRESS OR GREESS OCCURS OR 10 FEET, WHICH EVER IS GREATER. 5. GEOTEXTILE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE. FILTER CLOTH IS NOT REQUIRED FOR A SINGLE FAMILY RESIDENCE LOT.

6. ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARD THE CONSTRUCTION ENTRANCE SHALL BE PIPED BENÉATH THE ENTRANCE. IF PIPING IS MIPPACTICAL, A BERN WITH 5:1 SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE SUBSTITUTED FOR THE PIPE.

7. THE ENTRANCE SHALL BE MANITANED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED PROMPTLY.

STABILIZED CONSTRUCTION ENTRANCE

TEMPORARY EROSION CONTROL MEASURES

1. THE SMALLEST PRACTICAL AREA SHALL BE DISTURBED DURING CONSTRUCTION, BUT NO MORE THAN 5 ACRES OF LAND SHALL BE EXPOSED BEFORE DISTURBED AREAS ARE STABILIZED.

PERIMETER CONTROLS MUST BE INSTALLED PRIOR TO EARTH MOVING OPERATION

- STORMWATER PONDS, INFILTRATION BASINS AND SWALES MUST BE INSTALLED BEFORE ROUGH GRADING THE SITE

- ROADWAYS AND PARKING AREAS MUST BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.

2. EROSION, SEDIMENT AND DETENTION MEASURES SHALL BE INSTALLED AS SHOWN ON THE PLANS AND AT LOCATIONS AS

RECUIRED OR DIRECTED BY THE ENGINEER ALL DISTURBED AREAS SHALL BE RETURNED TO ORIGINAL GRADES AND ELEVATIONS.

3. DISTURBED AREAS SHALL BE LOAMED WITH A MINIMUM OF 4" OF LOAM AND SEEDED WITH NOT LESS THAN 1.10 POUNDS OF SEED PRET 1000 SQUARE FEET OF AREA (AB POUNDS PER ACRE) SEE SEED SPECIFICATIONS THIS SHEET.

4. SILT FENCES AND OTHER EROSION CONTROLS SHALL BE INSPECTED WEEKLY AND AFTER EVERY RAIN EVENT GREATER THAN 0.5" DURING THE LIFE OF THE PROJECT. ALL DAMAGED AREAS SHALL BE REPAIRED, SEDIMENT DEPOSITS SHALL PERIODICALLY

BE REMOVED AND DISPOSED OF.

5. AFTER ALL DISTURBED A REAS HAVE BEEN STABILIZED, THE TEMPORARY EROSION CONTROL MEASURES ARE TO BE REMOVED AND THE AREA DISTURBED BY THE REMOVAL SMOOTHED AND RE-VEGETATED.

6. AREAS MUST BE SECREDE AND MULCHED WITHIN 3 DAYS OF FINAL GRADING, PERMANENTLY STABILIZED WITHIN 15 DAYS OF FINAL GRADING, OF TEMPORARILY STABILIZED WITHIN 30 DAYS OF INITIAL DISTURBENACE OF SOIL.

• AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:

- IN AREAS TO BE PAVED, BASE COURSE GRAVELS MEETING THE REQUIREMENTS OF NINDOT STANDARD FOR ROAD AND BRIDGE

- ONSTRUCTION, 2016, ITEM 304 2 HAVE BEEN INSTALLED
- A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED.

 A MINIMUM OF 3 INCHES OF NON-EROSIVE MATERIAL SUCH AS RIPRAP HAS BEEN INSTALLED.

 EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.

CONSTRUCTION SPECIFICATIONS

- STRUCTURES 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 MANNER SO THAT EROSION AND AIR AND
- 2. CONSTRUCTION OPERATIONS STALL BE CARRIED OUT IN SUCH A MARKET SO THAT ENGINEER AND ALLE BE MINIMIZED.

 3. WHEN TIMBER STRUCTURES ARE USED, THE TIMBER SHALL EXTEND AT LEAST 18" INTO THE SOIL.

 4. STRAW BALES SHALL BE ANCHORED INTO THE SOIL USING 2" X 2" STAKES DRIVEN THROUGH THE BALES
- AND AT LEAST 18 INCHES IN TO THE SOIL.
- 5. SEEDING, FERTILIZING, AND MULCHING SHALL CONFORM TO THE RECOMMENDATIONS IN THE APPROPRIATED
- VECETATIVE BMP.

 6. STRUCTURES SHALL BE REMOVED FROM THE CHANNEL WHEN THEIR USEFUL LIFE HAS BEEN COMPLETED.

 7. THROUGHOUT THE DURATION OF CONSTRUCTION ACTIVITIES THE CONTRACTOR SHALL TAKE PRECAUTIONS AND INSTRUCTIONS FROM THE PLANNING DEPARTMENT IN ORDER TO PREVENT, ABATE AND CONTROL THE EMISSION OF FUGITIVE DUST INLUDING BUT NOT LIMITED TO WETTING, COVERING, SHEDING, OR VACUUMING.

 8. THE NH COMMISSIONER OF AGRICULTURE PROHIBITS THE COLLECTION, POSSESSION, IMPORTATION,
- TRANSPORTATION, SALE, PROPAGATION, TRANSPLANTATION, OR CULTIVATION OF PLANTS BANNED BY NH LAW RSA 430:53 AND NH CODE ADMINISTRATIVE RULES AGR 3800. THE PROJECT SHALL MEET ALL REQUIREMENTS AND THE INTENT OF . RSA 430:53 AND AGR 3800 RELATIVE TO INVASIVE SPECIES 9. IN THE EVENT THAT GREATER THAN ONE ACRE OF CONTIGUOUS DISTURBANCE OCCURS, THE CONSTRUCTION SITE OPERATOR AND OWNER SHALL SUBMIT A NOTICE OF INTENT (NOI) TO USEPA, WASHINGTON, DC, STORMWATER NOTICE PROCESSING CENTER AT LEAST FOURTEEN DAYS PRIOR TO COMMENCEMENT OF WORK ON SITE. EPA WILL POST THE NOI AT

http://cfpubl.epa.gov/npdes/stormwater/noi/noisearch.cfm. AUTHORIZATION IS GRANTED UNDER THE PERMIT ONCE THE NOI IS SHOWN IN "ACTIVE STATUS".

CONSTRUCTION SEQUENCE

CONSTRUCTION SEQUENCE.

1. CUT AND REMOVE TREES IN CONSTRUCTION AREAS AS REQUIRED OR DIRECTED.

2. CONSTRUCT AND/OR INSTALL TEMPORARY AND PERMANENT SEDIMENT EROSION AND DETENTION CONTROL FACILITIES SHALL BE INSTALLED AND STABILIZED PRIOR TO ANY EARTH MOVING OPERATION AND PRIOR TO DIRECTING RUNDEF TO THEM.

3. CLEAR, CUT, GRUB AND DISPOSE OF DEERIS IN APPROVED FACILITIES. STUMPS AND DEBRIS ARE TO BE REMOVED FROM SITE AND DISPOSED OF PER STATE AND LOCAL REGULATIONS.

I. EXCAVATE AND STOCKPUE TOPSOIL, LOAM, ALL AREQUIATIONS.

I. EXCAVATE AND STOCKPUE TOPSOIL, LOAM, ALL AREAS SHALL BE STABILIZED IMMEDIATELY AFTER GRADING.

I. CONSTRUCT TEMPORARY CULVERTS AS REQUIRED OR DIRECTED.

6. CONSTRUCT THE ROADWAY AND ITS ASSOCIATED DRAINAGE STRUCTURES. ALL ROADWAYS, AND CUT/FILL SLOPES SHALL BE STABILIZED AND/OR LOAMED AND SEEDED WITHIN 72—HOURS OF ACHIEVING FINISH GRADE AS APPLICABLE. 7. INSTALL PIPE AND CONSTRUCTION ASSOCIATED APPURTENANCES AS REQUIRED OR DIRECTED. ALL DISTURBED AREAS SHALL STABILIZED IMMEDIATELY AFTER GRADING.

8. BEGIN PERMANENT AND TEMPORARY SEEDING AND MULCHING. ALL CUT AND FILL SLOPES AND DISTURBED AREAS SHALL BE SEEDED OR MULCHED AS REQUIRED, OR DIRECTED.

9. DAILY OR AS REQUIRED. CONSTRUCT TEMPORARY BERMS, DRAINAGE CHECK DAMS, DITCHES, SEDIMENT TRAPS, ETC. TO PREVENT EROSION ON THE SITE AND PREVENT ANY SILTATION OF ABUTTING WATERS OR PROPERTY.

10. INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION

11. COMPLETE PERMANENT SEEDING AND LANDSCAPING

12. REMOVE TEMPORARY FORSION CONTROL MEASURES AFTER SEEDING AREAS HAVE ESTABLISHED THEMSELVES AND SITE IMPROVEMENTS ARE COMPLETE. SMOOTH AND REVEGETATE ALL DISTURBED AREAS.

13. ALL SWALES AND PRAINAGE STRUCTURES WILL BE CONSTRUCTED AND STABILIZED PRIOR TO HAVING RUNOFF DIRECTED TO THAY PAYING ALL ROADWAYS.

15. LOT DISTURBENCE OFFICE THAN THAT SHOWN ON THE APPROVED PLANS SHALL NOT COMMENCE UNTIL THE ROADWAY HAS THAN CRUSHED STONE COURSE TO DESIGN ELEVATION/REQUIRED COMPACTION AND THE ASSOCIATED DRAINAGE STRUCTURES TO DESIGN ELEVATION/REQUIRED COMPACTION AND THE ASSOCIATED DRAINAGE IS COMPLETE AND STABLE. CONSTRUCT THE ROADWAY AND ITS ASSOCIATED DRAINAGE STRUCTURES, ALL ROADWAYS, AND CUT/FILL SLOPES

PHYSICAL SPECIFICATIONS (ROLL) WDTH = 7.5'LENGTH = 120.0' WEIGHT = 37 LBS. AREA = 100 SQUARE YARDS ROADWAY CROSS-SECTION East Coast Erosion Blanket ECC-2B (Double Net Coconut) INSTALLATION DETAIL

WINTER MAINTENANCE

1. ALL DISTURBED AREAS THAT DO NOT HAVE AT LEAST 85% VEGETATIVE COVERAGE PRIOR TO OCTOBER 15TH, SHALL BE STABILIZED BY APPLYING MULCH AT A RATE OF 3-4 TONS PER ACRE. ALL SIDE SLOPES, STEEPER THAN 4:1, THAT ARE NOT DIRECTED TO SWALES OR DETENTION BASINS, SHALL BE LINED WITH BIODEGRADABLE/PHOTODEGRADABLE "JUTE MATTING (EXCELSIOR'S CURLEX II OR EQUAL). ALL OTHER SLOPES SHALL BE MULCHED AND TACKED AT A RATE OF 3-4 TONS PER ACRE. THE APPLICATION OF MULCH AND/OR JUTE MATTING SHALL NOT OCCUR OVER EXISTING SNOW COVER. IF THE SITE IS ACTIVE AFTER NOVEMBER 15TH, ANY SNOW THAT ACCUMULATES ON DISTURBED AREAS SHALL BE REMOVED. PRIOR TO SPRING THAW ALL AREAS WILL BE STABILIZED, AS DIRECTED ABOVE.

2. ALL SWALES THAT DO NOT HAVE FULLY ESTABLISHED VEGETATION SHALL BE EITHER LINED WITH TEMPORARY JUTE MATTING OR TEMPORARY STONE CHECK DAMS (APPROPRIATELY SPACED). STONE CHECK DAMS WILL BE MAINTAINED THROUGHOUT THE WINTER MONTHS. IF THE SWALES ARE TO BE MATTED WITH PERMANENT LINERS OR RIPRAP WITH ENGINEERING FABRIC, THIS SHALL BE COMPLETED PRIOR TO WINTER SHUTDOWN OR AS SOON AS THEY ARE PROPERLY.

3. PRIOR TO OCT. 15TH ALL ROADWAY AND PARKING AREAS SHALL BE BROUGHT UP TO AND THROUGH THE BANK RUN 3. PRIOR TO OCT. 151H ALL ROADWAY AND PARKING AREAS SHALL BE BROUGHT UP TO AND THROUGH THE BANK RUI GRAVEL APPLICATION. IF THESE AREAS' ELEVATIONS ARE PROPOSED TO REMAIN BELOW THE PROPOSED SUBGRADE ELEVATION, THE SUBGRADE MATERIAL SHALL BE ROUGHLY CROWNED AND A 3" LAYER OF CRUSHED GRAVEL SHALL BE PLACED AND COMPACTED. THIS WILL ALLOW THE SUBGRADE TO SHED RUNDFF AND WILL EDUCE ROADWAY EROSION. THIS CRUSHED GRAVEL DOES NOT HAVE TO CONFORM TO NH DOT 304.3, BUT SHALL HAVE BETWEEN 15−25% PASSING THE #200 SIEVE AND THE LARGEST STONE SIZE SHALL BE 2". IF THE SITE IS ACTIVE AFTER NOVEMBER 15TH, ANY ACCUMULATED SNOW SHALL BE REMOVED FROM ALL ROADWAY AND PARKING AREAS.

4. AFTER OCTOBER 15TH, THE END OF NEW HAMPSHIRE'S AVERAGE GROWING SEASON, NO ADDITIONAL LOAM SHALL BE SPREAD ON SIDE SLOPES AND SWALES. THE STOCKPILES THAT WILL BE LEFT UNDISTURBED UNITL SPRING SHALL BE SEEDED BY THIS DATE. AFTER OCTOBER 15TH, ANY NEW OR DISTURBED PILES SHALL BE MULCHED AT A RATE OF 3-4 TONS PER ACRE. ALL STOCKPILES THAT WILL REMAIN THROUGHOUT THE WINTER SHALL BE SURROUNDED WITH SILT

SEEDING SPECIFICATIONS

1. GRADING AND SHAPING

A. SLOPES SHALL NOT BE STEEPER THAN 2:1,3:1 SLOPES OR FLATTER ARE PREFERRED. WHERE MOWING WILL BE DONE, 3:1 SLOPES OR FLATTER ARE RECOMMENDED.

2. SEEDBED PREPARATION

A SURFACE AND SEEPAGE WATER SHOULD BE DRAINED OR DIVERTED FROM THE SITE TO PREVENT DROWNING OR WINTER KILLING OF THE PLANTS.

B. STONES LARGER THAN 4 INCHES AND TRASH SHOULD BE REMOVED BECAUSE THEY INTERFERE WITH SEEDING AND FUTURE

A SEEDBED AND MIX FERTILIZER AND LIME INTO THE SOIL. THE SEEDBED SHOULD BE LEFT IN REASONABLY FIRM AND SMOOTH CONDITION. THE LAST TILLAGE OPERATION SHOULD BE PERFORMED ACROSS THE SLOPE WHEREVER PRACTICAL 3. ESTABLISHING A STAND

A. LIME AND FERTILIZER SHOULD BE APPLIED PRIOR TO OR AT THE TIME OF SEEDING AND INCORPORATED INTO THE SOIL KINDS AND AMOUNTS OF LIME AND FERTILIZER SHOULD BE BASED ON AN EVALUATION OF SOIL TESTS. WHEN A SOIL TEST IS NOT AVAILABLE, THE FOLLOWING MINIMUM AMOUNTS SHOULD BE APPLIED. AGRICULTURAL LIMESTONE, 2 TONS PER ACRE OR 100 LBS PER 1,000 SQ. FT...

NITARORENIMINGSODEBSHEERREGERINGRETFEASUBSE, PERE 15000 \$400000 DE TILLED TO A DEPTH OF ABOUT 4 INCHES TO PREPARE PHOSPHATE(P205), 100 LBS PER ACRE OR 2, 2 LBS PER 1,000 SQ.FT.

POTASH(K20), 100 LBS PER ACRE OR 2, 2 LBS PER 1,000 SQ FT.

(NOTE: THIS IS THE EQUIVALENT OF 500 LBS PER ACRE OF 10-20-20 FERTILIZER OR 1,000 LBS PER ACRE OF 5-10-10.)

B. SEED SHOULD BE SPREAD UNIFORMLY BY THE METHOD MOST APPROPRIATE FOR THE SITE. METHODS INCLUDE BROADCASTING, DRILLING AND HYDROSEEDING, WHERE BROADCASTING IS USED, COVER SEED WITH .25 INCH OF SOIL OR LESS, BY CULTIFECKING OR RAKING.

C. REFER TO TABLE(G-E1 THIS SHEET) FOR APPROPRIATE SEED MIXTURES AND TABLE(H-E1 THIS SHEET) FOR RATES OF SEEDING. ALL LEGUMES (CROWN VETCH, BIRDS FOOT TREFOIL, AND FLAT PEA) MUST BE INOCULATED WITH THEIR SPECIFIC INOCULANT.

MULCH

HAY, STRAW, OR OTHER MULCH, WHEN NEEDED, SHOULD BE APPLIED IMMEDIATELY AFTER SEEDING. B. MULCH WILL BE HELD IN PLACE USING APPROPRIATE TECHNIQUES FROM THE BEST MANAGEMENT PRACTICE FOR MULCHING. HAY OR STRAW MULCH SHALL BE PLACED AT A RATE OF 90 LBS PER 1000 SQ. FT.

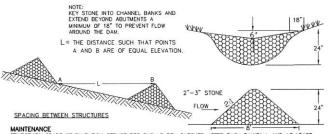
MAINTENANCE TO ESTABLISH A STAND

B. FERTILIZATION NEEDS SHOULD BE PROTECTED FROM DAMAGE BY FIRE, GRAZING, TRAFFIC, AND DEASE WEED GROWTH

B. FERTILIZATION NEEDS SHOULD BE DETERMINED BY ONSITE INSPECTIONS. SUPPLEMENTAL FERTILIZER IS USUALLY
THE KEY TO FULLY COMPLETE THE ESTABLISHMENT OF THE STAND BECAUSE MOST PERENNIAL STAKE 2 TO 3 YE
BECOME ESTABLISHED.

BELLOME ESTABLISHED.

C. IN WATERWAYS, CHANNELS, OR SWALES WHERE UNIFORM FLOW CONDITIONS ARE ANTICIPATED, OCCASIONAL MOWING MAY BE NECESSARY TO CONTROL GROWTH OF WOODY VEGETATION.



MAINTENANCE

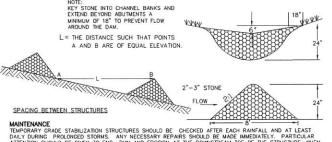
TEMPORARY GRADE STABILIZATION STRUCTURES SHOULD BE CHECKED AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED STORMS. ANY NECESSARY REPAIRS SHOULD BE MADE MIMEDIATELY, PARTICULAR ATTENTION SHOULD BE GRADE TO THE STRUCTURES. HER TEMPORATE TO THE STRUCTURES ARE REMOVED, THE DISTURBED PORTION SHOULD BE BROUGHT TO THE EXISTING CHANNEL GRADE AND THE A BREAD PERPARED, SEEDED AND MULCHED. WHILE THIS PRACTICE IS NOT INTENDED TO BE USED PRIMARILY FOR SEDMENT TRAPPING, SOME SEDMENTS WILL BEHIND THE STRUCTURES. SEDMENT SHALL BE REMOVED FROM BEHIND THE STRUCTURES WHEN IT HAS ACCUMULATED TO ONE HALF OF THE ORIGINAL HEIGHT OF THE STRUCTURE.

THE ORIGINAL MEIGHT OF THE STROOTS.

REMOVAL

AFTER VEGETATION HAS STABILIZED, THESE TEMPORARY STRUCTURES SHALL BE REMOVED WITH SPECIAL CARE
AS TO AVOID DISTURBING ANY UNDERLYING EROSION CONTROL FABRIC AND/OR EXISTING VEGETATION

TEMPORARY STONE CHECK DAM



THE THIBODEAU FAMILY REV. TRUST

PAUL F. & LINDA A. THIBODEAU TRUSTEES

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BARRINGTON, NH 03825

70 PORTSMOUTH AVE,

THIRD FLOOR, SUITE 2

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Section A - A CASTING SILT FENCE CONSTRUCTION SPECIFICATIONS

SIL | F L NUL

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR
STAPLES AND FILTER CLOTH SHALL BE FASTENED TO WOVEN WIRE EVERY 24" AT TOP MID
AND BOTTOM SECTIONS AND BE EMBEDDED INTO GROUND A MINIMUM OF 8". 2. THE FENCE

PREPARED FOR

BEALS

POSTS SHALL BE A MINIMUM 48" LONG. SPACED A MAXIMUM 10' APART, AND DRIVEN A

MINIMUM OF 16" INTO THE GROUND.

3. WHEN TWO SECTIONS OF FILER CLOTH ADJOIN EACH OTHER, THE ENDS OF THE FABRIC SHALL BE OVERLAPPED BY SIX INCHES, FOLDED AND STAPLED TO PREVENT SEDIMENT FROM MAINTENANCE SHALL BE PERFORMED AS NEFFRED AND SEDIMENT REMOVED WHEN "BUILGES"

4. MAINTENANCE STALL BE PERFORMED AS NEEDED AND SEDIMENT REMOVED WHEN BOLDES DEVELOP IN THE SILT FENCE AND PROPERTY DISPOSED OF.

5. PLACE THE ENDS OF THE SILT FENCE UP CONTOUR TO PROVIDE FOR SEDIMENT STORAGE.

6. SILT FENCES SHALL BE REMOVED WHEN NO LONGER NEEDED AND THE SEDIMENT COLLECTED SHALL BE DISPOSED AS DIRECTED BY THE ENGINEER. THE AREA DISTURBED BY THE REMOVAL SHALL BE SMOOTHED AND RE-VEGETATED

MAINIEMANUE 1. SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL, ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE

IDMILY DURING PROLONGED RAINFALL, ANY REPAIRS IPMI ARE REQUIRED SHALL BE MADE IMMEDIATELY.

2. IF THE FABRIC ON A SILT FENCE SHOULD DECOMPOSE OR BECOME INEFFECTIVE DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY.

3. SEDIMENT DEPOSITS SHOULD BE INSPECTED AFTER EVERY STORM EVENT. THE DEPOSITS SHOULD BE REMOVED WHEN THEY REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER.

4. SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE FABRIC HAS BEEN REMOVED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED.

SEEDING GUIDE

| USE | SEEDING MIXTURE 1/ | DROUGHTY | WELL DRAINED | MODERATELY WELL DRAINED | POORLY DRAINED |
|--|-----------------------|----------------------|---------------------------|-------------------------------|----------------------|
| STEEP CUTS AND FILLS, BORROW | A B | FAIR POOR | GOOD | GOOD FAIR | FAIR FAIR |
| AND DISPOSAL | č | POOR | GOOD | EXCELLENT | GOOD |
| AREAS | D E | FAIR FAIR | FAIR EXCELLENT | GOOD EXCELLENT | POOR |
| WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER | Å | GOOD | GOOD EXCELLENT | GOOD EXCELLENT | FAIR FAIR |
| CHANNELS WITH FLOWING WATER. | D | GOOD | EXCELLENT | EXCELLENT | FAIR |
| LIGHTLY USED PARKING LOTS, ODD AREAS, UNUSED LANDS, AND | A B C | G000 G000 G000 | GOOD GOOD EXCELLENT | GOOD FAIR EXCELLENT | FAIR POOR FAIR |
| LOW INTENSITY USE RECREATION SITES. | D | FAIR | GOOD | GOOD | EXCELLEN |
| PLAY AREAS AND ATHLETIC FIELDS. (TOPSOIL IS ESSENTIAL FOR GOOD TURF.) | F G | FAIR FAIR | EXCELLENT | EXCELLENT EXCELLENT | 2/ 2/ |

SAND AND GRAVEL PITS. 1/ REFER TO SEEDING MIXTURES AND RATES IN TABLE 7-36.
27 POORLY DRAINED SOILS ARE NOT DESIRABLE FOR USE AS PLAYING AREA AND ATHLETIC FIELDS.

NOTE: TEMPORARY SEED MIX FOR STABILIZATION OF TURF SHALL BE WINTER RYE OR DATS AT A RATE OF 2.5 LBS. PER 1000 S.F. AND SHALL BE PLACED PRIOR TO OCT. 15, IF PERMANENT SEEDING NOT YET COMPLETE.

Mix material should consist of 30–50% large (1–3") particles. The organic matter content should be 25%-65%, dry weight bosis. The organic matter may originate from a variety of vegetative sources, but needs to be fibrous and elongated. The mix shall be free of silt, clay, fine sand, refuse and contaminants or any material toxic to plant growth. Erosion Control Mix berms are effective filters for overland flow conditions and filters for overland flow conditions and should not be used to filter concentrated flow such as that found in drainage

Erosion Control Mix Berm

SEEDING RATES POUNDS PER 1.000 Sq. Ft. POUNDS PER ACRE MIXTURE TALL FESCUE CREEPING RED FESCUE RED TOP 0.45 0.45 0.05 0.95 J. TALL FESCUE CREEPING RED FESCUE CROWN VETCH 0.35 0.25 0.35 OR FLAT PEA 30 40 OR 55 0,75 0.95 OR 1.35 0.45 0.45 0.20 1.10 0.45 0.75 TALL FESCUE 1 3.60

| REVISED ROAD GRADES PER PB COMMENTS | 6-5-19 |
|-------------------------------------|--------|
| REVISIONS: | DATE: |

1/ FOR HEAVY USE ATHLETIC FIELDS CONSULT THE UNIVERSITY NEW HAMPSHIRE COOPERATIVE EXTENSION TURF SPECIALIST FOR CURRENT WARIETIES AND SEEDING RATES.

EROSION & SEDIMENTATION

MIXED-USE DEVELOPMENT BARRINGTON, NH

| DATE: | AUG., 2022 | SCALE: | NONE |
|-----------|------------|-----------|------|
| PROJ. NO: | NH-1387 | SHEET NO. | 7 |

