

TOWN OF PLAINFIELD

APPLICATION FOR SITE PLAN REVIEW

Applicant's name: Upper Valley Portables LLC
address: 177 Ladieu Rd.
Plainfield NH 03786

Location of property
(if different than above): 361 NH Rt 12A Plainfield NH 03781

Describe development and/or alteration:

Move the storage of current stock such as portable
toilets, handwash sinks and a small number of
small items to new location. operate daily
from this location including parking of work
vehicles. John Land.

Preliminary Consultation: _____
(date)

Formal submission of application: 11/29/21

Final Review: 12/20/21

Fee Paid:

Filing fee _____ Notification fee _____ Additional fee _____

Plainfield Planning Board Action:

Approval: _____
(Planning Board Chairman and date)

Disapproval: _____

Conditions: _____

Valleys News, Please print for one day as a classified advertisement in the legal section

**ZONING BOARD OF ADJUSTMENT
PLAINFIELD, NEW HAMPSHIRE**

NOTICE IS HEREBY GIVEN that the Board of Adjustment will hold a public hearing on the following application on **Monday December 13th 2021 at 7pm Meriden Town Hall 110 Main Street and via Zoom:**

Case 2021-04 A request by John Tomlinson for Special Exception #35 Approved Business Project to move his business Upper Valley Portables from Ladieu Hill (case 18-02) to property located at 361 Route 12A (tax map 218 lot 11) now owned by the applicant. This is the first phase of development planned for this property.

While not required to join, abutters and interested parties are encouraged to join in either in person or by counsel and state reasons why the application should or should not be granted. The application details can viewed at the town office and be found at:
www.plainfieldnh.org/zba.htm

Join Zoom Meeting
<https://us06web.zoom.us/j/87496200963>

Meeting ID: 874 9620 0963

If the application is approved the project will move to the **Planning Board on Monday December 20th** for a modified site plan review.

Very few if any changes to the property are planned at this time from what was approved for the Landmark project.

Notice prepared by Stephen Halleran
November 29th 2021

26 November 2021

To:
Zoning Board of Adjustment
Plainfield, NH 03781

From:
Corinne and John Tomlinson
177 Ladieu Road
Plainfield, NH 03781

To Whom It May Concern,

Please accept this letter as part of my request to the Zoning Board of Adjustment to obtain approval as a special exception within the Rural Residential Zone (~~34. Cottage Business~~) at 361 NH Route 12A in Plainfield.

*35. Approved Business
Project*

John Tomlinson is the sole owner of Upper Valley Portables, a NH LLC, operating from 177 Ladieu Road, Plainfield NH. ZBA case 18-02 led to approval of this as a home occupation. At the time of this approval it was stated the intent was to grow this business and seek a suitable location to move the operation to. 361 NH Route 12A was recently purchased initially for this purpose. My wife, Corinne Tomlinson, and I formed a holding company, Route 12A Enterprises LLC, to purchase this land to be developed for this and future uses. Due to the immediate need to relocate Upper Valley Portables to allow continued growth we respectfully request the ZBA consider approval of the following:

- Operation of Upper Valley Portables from 361 NH Route 12A in the rear of the property within the current permission boundaries
- Storage and maintenance including occasional cleaning of 150 portable toilets and approximately 10 handwash sinks and hand sanitizer dispenser stations as well as additional rental equipment such as mobile fencing as those service lines are developed
- Parking of up to three commercial vehicles and three trailers as well as the personal vehicles of up to four staff and drivers while working
- Hours of operation of 4a.m. to 10 p.m. with occasional exception allowed.

In keeping with my demonstrated record of executing the current permission and growing the business substantially with no known complaints we wish to assure our intent is the same with this request. Only minor motion activated solar powered lighting for security purposes would be utilized.

Additional improvements and request for other development will follow. Current economic conditions in the context of the ongoing pandemic have made planning, budgeting and subsequent timing of such efforts too difficult to commit to at this time. We are evaluating the feasibility of other uses at this location.

Respectfully,

Corinne & John Tomlinson

PLAINFIELD, NH
SITE PLAN REVIEW

RIGHT ANGLE ENGINEERING, PLLC
152 Main Street
New London, NH 03257
(603) 526-2807 Phone
(603) 523-8811 Fax
(603) 443-7815 Mobile
Erin@RightAngle.Engineering

**List of Owner &
Professional Consultants**

DATE: November 29, 2021

TO: Stephen Halleran, Town Administrator
Town of Plainfield
110 Main Street
Plainfield, NH 03781
603-469-3201 Direct
plainfield@ta@plainfieldnh.org

SITE: Application for Special Exception
361 NH Route 12A
Tax Map 218, Lot 11
Plainfield, New Hampshire

OWNER:

Route 12A Enterprises
Attn.: Corrine & John Tomlinson
177 Ladiou Road
Plainfield, NH 03781

ENGINEER:

Right Angle Engineering, PLLC
Erin Darrow, P.E., C.P.E.S.C.
152 Main Street
New London, NH 03257

SURVEYOR:

Scott Sanborn, LLS
Cardigan Mountain Land Survey, LLC
32 Peaslee Road
Orange, NH 03741

WETLANDS SCIENTIST:

Jonathan Sisson, C.W.S., C.S.S.
Beaver Tracks, LLC
408 Randolph Hill Road
Randolph, NH 03593

**PLAINFIELD ZONING BOARD OF ADJUSTMENT
NOTICE OF DECISION**

John Tomlinson
177 Ladiou Road
Plainfield, NH 03781
Application for Cottage business, Portable Toilet Rentals

Case 2018-02

You are hereby notified that the appeal by **John Tomlinson** for Special Exception #3.4 Approved Cottage Business to establish a portable toilet rental business at 177 Ladiou Road (Map 224, Lot 2) has been **granted** by an affirmative vote of at least three members of the Zoning Board Of Adjustment. In reaching this decision, the Zoning Board has relied on representations made in the application and testimony received at the May 14th 2018 meeting and May 24th 2018 site visit and meeting.

As part of its review of this application, the board made the following findings;

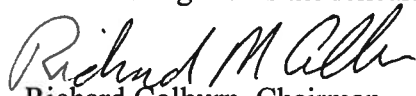
1. The New Hampshire Department of Environmental Services (DES) does not regulate the storage yards for chemical toilet business.
2. The site is not visible from any abutting home.
3. There is a 100' +/- vegetative buffer between the storage site and the nearest boundary.
4. All waste is cleaned from units at an off-site facility per DES regulations.
5. Industry norm is that cabin interior and exterior are cleaned with water, unscented dish soap and bleach. Applicant testified that DES does not regulate the disposal of this waste water.
6. Activities other than moving and cleaning (e.g. unit assembly/repair) will take place in the existing outbuilding.

The application is approved with the following conditions;

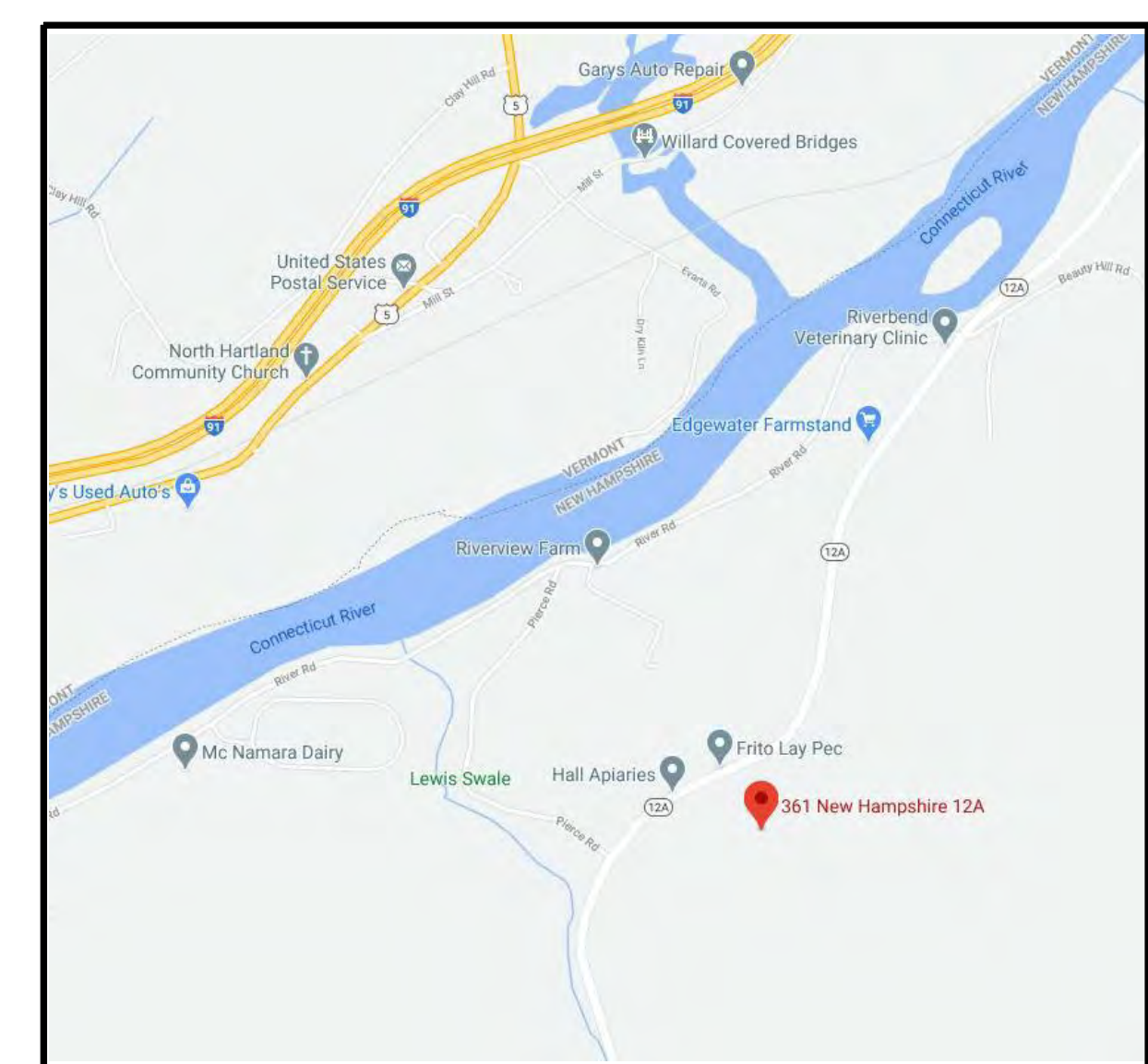
1. The use may not expand beyond the proposed size (4 employees, 2 trucks, 2 trailers, 100 portable toilet units).
2. Hours of operation to be 6am to 8pm, with only infrequent exceptions.
3. Applicant must manage noise and odors to a reasonable level by abatement or through hours of operation.
4. No additional permanent lighting associated with this use.
5. No signage associated with this use.
6. Current vegetative screening of site must be maintained.
7. A limit of 2 round trips per day, with only infrequent exceptions.

In granting this appeal, The Board determined that the use as defined in the application will satisfy the conditions for all special exceptions as outlined in section 5.6 II and the specific standards found in Section 3.4 Approved Cottage Business of the Plainfield Zoning Ordinance, 2018 edition.

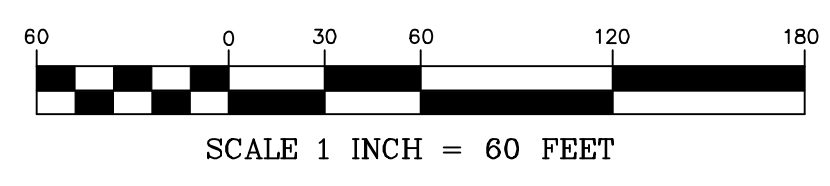
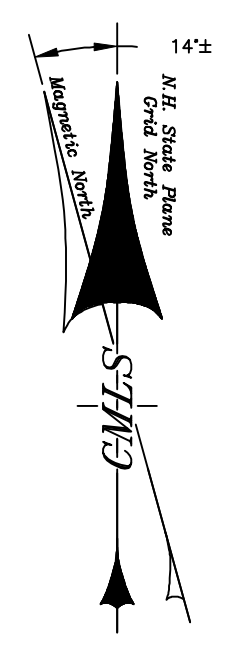
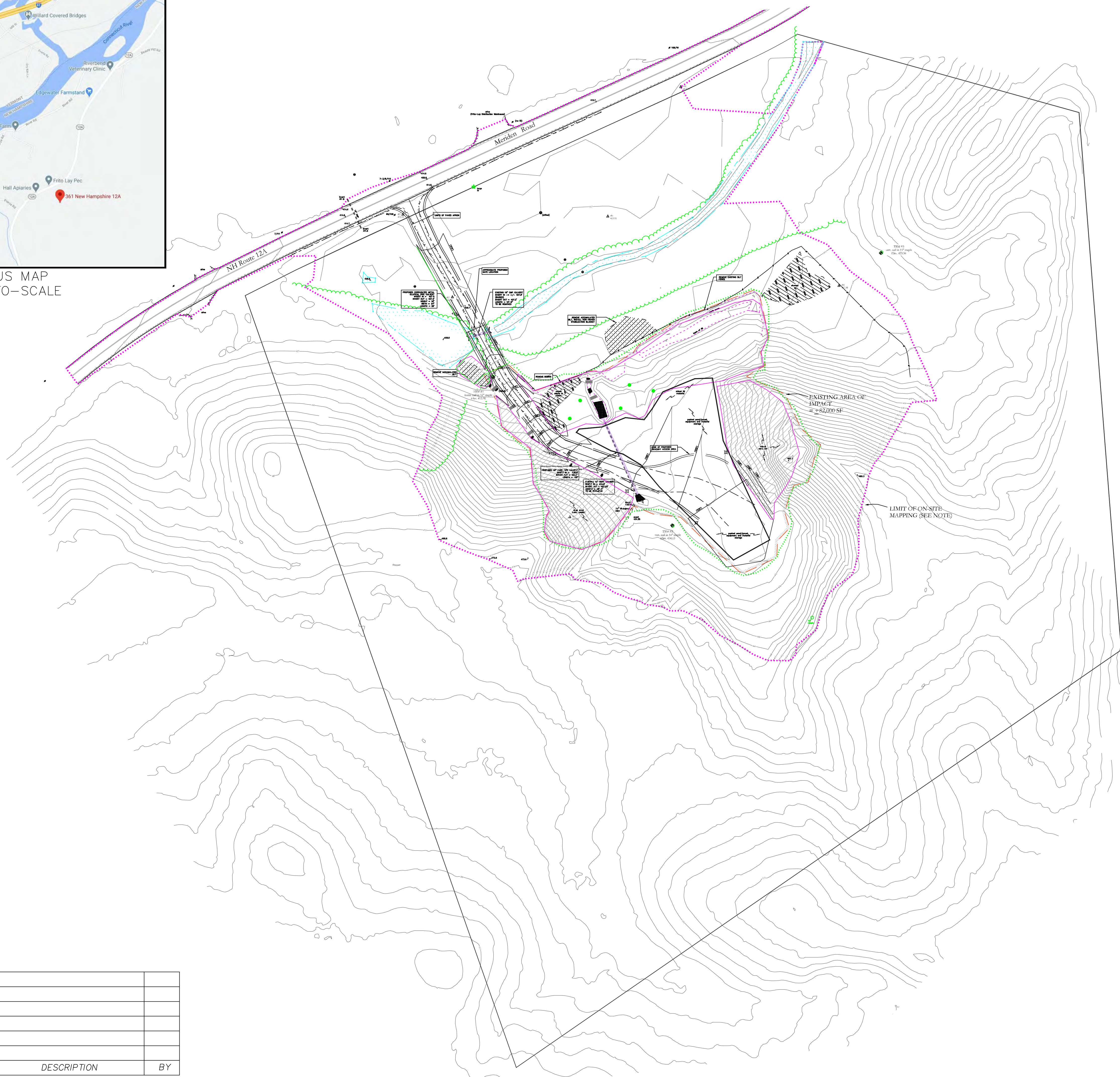
RSA 677:2 governs the rehearing and appeal process for ZBA decisions.


Richard Colburn, Chairman
Zoning Board of Adjustment

Date: *30 May 2018*



LOCUS MAP
NOT-TO-SCALE

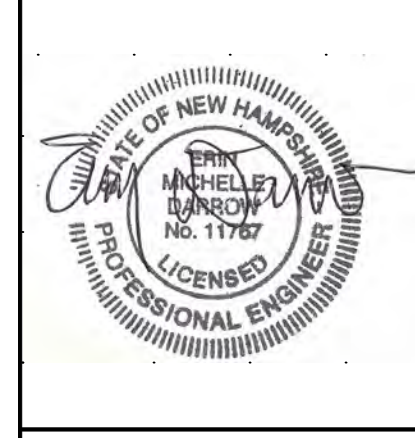


NO.	DATE	DESCRIPTION	BY
2			
1			

- GENERAL NOTES**
1. ALL WORK SHALL CONFORM TO THE CONDITIONS OF THE PLAINFIELD, NH, BUILDING PERMIT, SITE PLAN REVIEW, AND ZONING PERMIT.
 2. ALL WORK SHALL COMPLY WITH THE CONDITIONS OF THE WETLANDS PERMIT, AS APPLICABLE, ISSUED BY THE NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES.
 3. ALL WORK SHALL COMPLY WITH THE CONDITIONS OF THE DRIVEWAY ACCESS PERMIT, AS APPLICABLE, ISSUED BY THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION.
 4. SITE SURVEY DATA COLLECTED BY SCOTT SANBORN, LLS, CARDIGAN MOUNTAIN LAND SURVEY, LLC, IN SEPTEMBER, OCTOBER, AND NOVEMBER OF 2020.
 5. ELEVATIONS ARE BASED ON NAD 88 VERTICAL DATUM.
 6. SURVEY IS TIED INTO NH STATE PLAN COORDINATE SYSTEM GRID NORTH.
 7. ALL WETLANDS WERE DELINEATED IN ACCORDANCE WITH THE ARMY CORPS OF ENGINEERS METHOD FOR THE DELINEATION OF WETLANDS, JANUARY 1987, BY BEAVER TRACKS LLC, JONATHAN SISSON, C.S.S., C.W.S., IN JULY 2019.
 8. NHDES BEST MANAGEMENT PRACTICES TO BE IMPLEMENTED DURING CONSTRUCTION. ALL WORK SHALL COMPLY WITH THE STORM WATER POLLUTION PREVENTION PLAN ACCORDING TO STANDARDS ESTABLISHED BY THE ENVIRONMENTAL PROTECTION AGENCY (EPA).
 9. CONTRACTOR SHALL USE SEDIMENT AND EROSION CONTROL AT A MINIMUM AT THE LOCATIONS SHOWN ON THE PLAN, ACCORDING TO NHDES BEST MANAGEMENT PRACTICES. SEDIMENT AND EROSION CONTROL OPTIONS ARE SHOWN IN THE CONSTRUCTION DETAILS.
 10. CONTRACTOR IS RESPONSIBLE FOR LOCATION OF ALL BURIED UTILITIES. CONTACT DIG SAFE PRIOR TO COMMENCING ANY EXCAVATION.

SURVEYOR:
Cardigan Mountain Land Survey, LLC
Scott Sanborn, L.L.S.
32 Peaslee Road
Orange, NH 03741
(603) 523-5858

WETLAND SCIENTIST:
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408 Randolph Hill Road
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(603) 313-0225 phone
BeaverTracksLLC@ymail.com

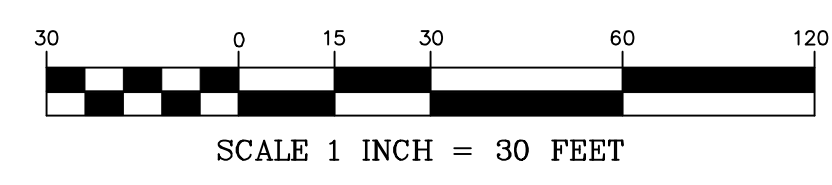
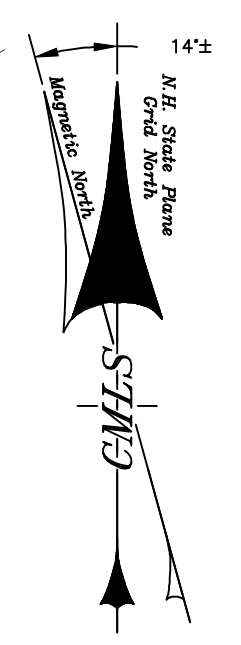
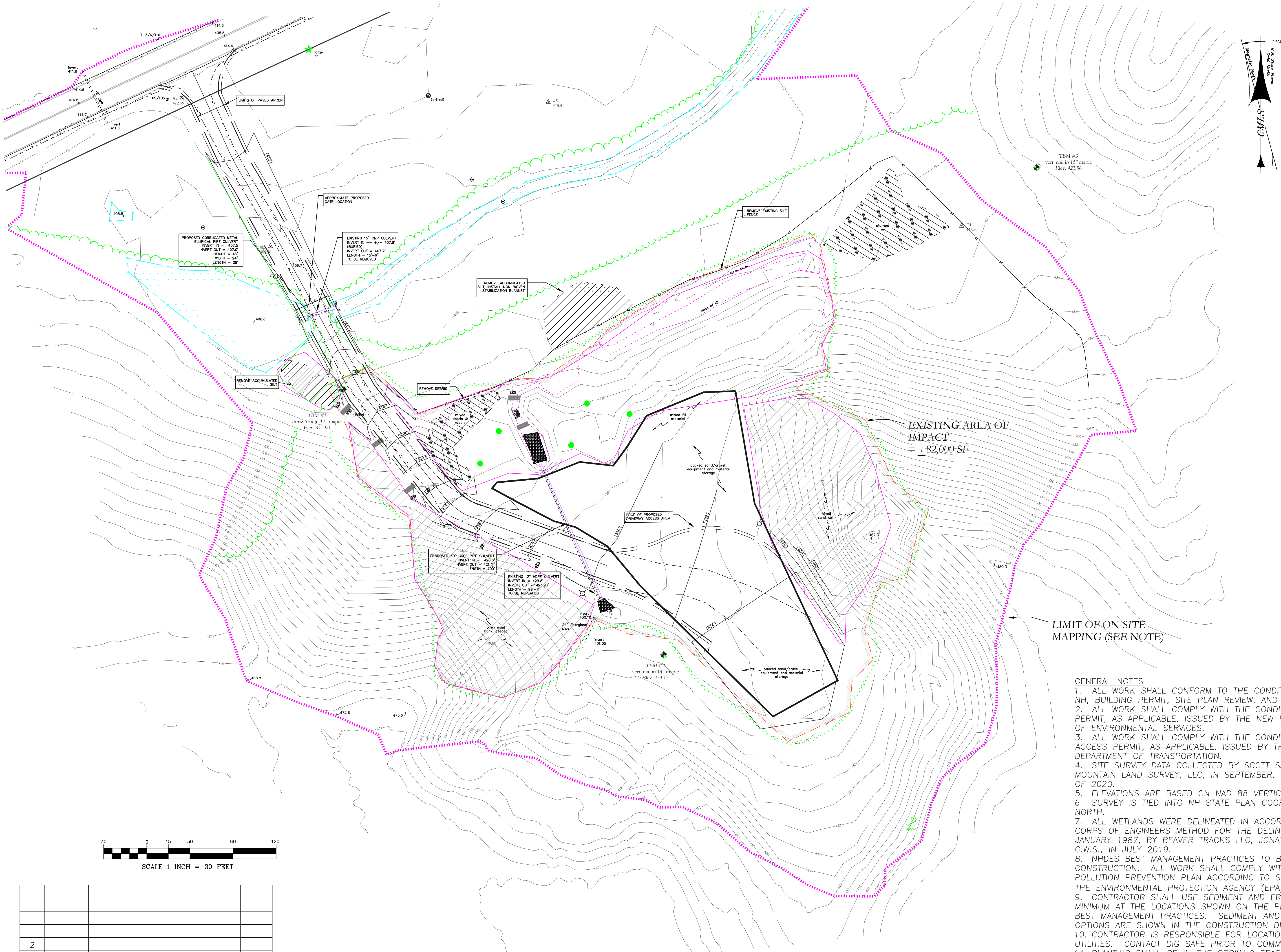


ENGINEER:
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Erin Drain, P.E.
152 Main Street
New London, NH 03257
(603) 526-2807 office
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Erin@RightAngleEngineering.com

OWNER:
ROUTE 12A ENTERPRISES, LLC
CORRINE & JOHN TOMLINSON
177 LADIEU ROAD
PLAINFIELD, NH 03781

SITE PLAN
UPPER VALLEY PORTABLES
361 NH ROUTE 12A
TAX MAP 218, LOT 11
PLAINFIELD, NEW HAMPSHIRE
NOVEMBER 29, 2021

CIVIL 1



NO.	DATE	DESCRIPTION	BY
2			
1			

EXISTING AREA OF IMPACT
= +82,000 SF

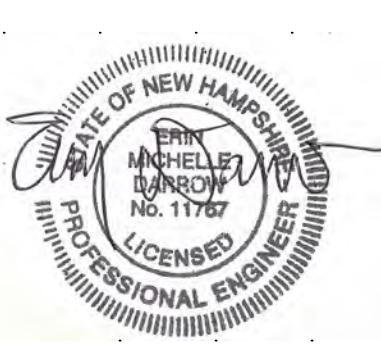
LIMIT OF ON-SITE MAPPING (SEE NOTE)

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 10. CONTRACTOR IS RESPONSIBLE FOR LOCATION OF ALL BURIED UTILITIES. CONTACT DIG SAFE PRIOR TO COMMENCING ANY EXCAVATION.
 11. PLANTING SHALL BE IN THE GROWING SEASON, MAY 15–OCTOBER 15.

SURVEYOR:
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(603) 523-5585



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OWNER:
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CORRINE & JOHN TOMLINSON
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PLAINFIELD, NH 03781

SITE PLAN
UPPER VALLEY PORTABLES
361 NH ROUTE 12A
TAX MAP 218, LOT 11
PLAINFIELD, NEW HAMPSHIRE
NOVEMBER 29, 2021

CIVIL 2

LEGEND	
	LIMITS OF EXISTING GROUND DISTURBANCE
	EXISTING EDGE OF PAVEMENT
	EXISTING EDGE OF GRAVEL DRIVE
	EXISTING TREELINE/EDGE OF VEGETATION
	EXISTING BRUSH LINE
	EXISTING 2-FOOT GRADE CONTOUR
	PROPOSED 2-FOOT GRADE CONTOUR
	RIGHT-OF-WAY/PROPERTY BOUNDARY LINE
	EXISTING STONE CHECK DAM
	PROPOSED STONE CHECK DAM
	UTILITY POLE
	PROPOSED NON-WOVEN BIOSTABILIZATION BLANKET
	PROPOSED SILT LOG
	PROPOSED SILT FENCE
	PROPOSED EDGE OF GRAVEL DRIVE
	PROPOSED EDGE OF GRAVEL SHOULDER
	PROPOSED LIGHT WITH CUTOFF FIXTURE
	PROPOSED UTILITY POLE
	PROPOSED EASTERN WHITE PINE, PINUS STOBUS 6'-8" MIN HEIGHT, 3" CALIPER MIN.

GENERAL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK SHOWN ON THE DRAWINGS, UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL MATERIALS REQUIRED TO COMPLETE PLANS.
2. CONTRACTOR IS RESPONSIBLE FOR REPORTING CONDITIONS IDENTIFIED ON-SITE THAT IMPACT THE PHASING, IMPLEMENTATION, FINAL CONDITIONS, AND/OR OVERALL CONSTRUCTION OF THIS PROJECT.
3. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES, MATERIALS STORAGE, AND EQUIPMENT STAGING AREAS WITH THE ENGINEER.
4. NHDOT ITEM 692, MOBILIZATION, SHALL INCLUDE THE DESIGN, CONSTRUCTION, MAINTENANCE, REMOVAL, AND RESTORATION OF THE SITE AREA FOR CONSTRUCTION.
5. ALL DISTURBED AREAS WITHIN PROJECT LIMITS NOT COVERED BY HARD SURFACES, LANDSCAPING, OR STORMWATER TREATMENTS SHALL BE FINISHED WITH 4" OF LOAM (NHDOT ITEM 641) AND TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS (NHDOT ITEM 646.31).
6. SITE SECURITY AND JOB SAFETY ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. ALL CONSTRUCTION ACTIVITIES SHALL COMPLY WITH OSHA STANDARDS AND LOCAL REQUIREMENTS.
7. THE CONTRACTOR SHALL PROVIDE SUBMITTALS (GRADATIONS, PROCTORS, PRODUCT DATA, ETC.) AS DIRECTED BY THE ENGINEER FOR ALL MATERIALS TO BE INCORPORATED INTO THE WORK.
8. THE ENGINEER SHALL HAVE FULL ACCESS TO THE SITE WHEN THE WORK IS IN PREPARATION AND PROGRESS. THEY MAY OBSERVE THE WORK ON A PERIODIC OR FULL-TIME BASIS.
9. THE CONTRACTOR SHALL PROVIDE A DETAILED CONSTRUCTION SCHEDULE TO THE ENGINEER PRIOR TO CONSTRUCTION.
10. THE CONTRACTOR IS RESPONSIBLE FOR REPAIR TO ALL DAMAGES CAUSED DURING CONSTRUCTION.
11. THE CONTRACTOR IS RESPONSIBLE TO RESTORATION TO ALL DISTURBED AREAS OUTSIDE THE LIMITS OF WORK TO PRE-CONSTRUCTION CONDITIONS.
12. FINAL RESOLUTION TO CONFLICTS WITHIN THE SPECIFICATIONS OR ANY SUBSTITUTIONS SHALL BE DETERMINED BY THE ENGINEER.
13. THE CONTRACTOR SHALL NOT DISTURB ANY EXISTING PROPERTY CORNER, MONUMENT, SURVEY MARKER, OR BENCHMARK WITHOUT FIRST MAKING PROVISIONS FOR ITS REPLACEMENT OR RELOCATION.
14. ALL TESTING SHALL BE ORDERED BY THE ENGINEER AND COORDINATED BY THE CONTRACTOR IN ACCORDANCE WITH NHDOT, AASHTO, AND THE PROJECT SPECIFICATIONS. CONTRACTOR SHALL GIVE THE ENGINEER 48 HOURS ADVANCE NOTICE PRIOR TO PLACING MATERIALS REQUIRING TESTING.
15. CONCRETE AND SOIL TESTING IS TO BE PERFORMED BY A QUALIFIED PERSON OR FIRM APPROVED BY THE ENGINEER. TESTING COSTS ARE SUBSIDIARY AND SHALL BE INCLUDED IN THE CONTRACTORS COST.
16. DETERMINATION OF MAXIMUM DENSITIES FOR SAND AND GRAVELS ARE THE RESPONSIBILITY OF THE CONTRACTOR. PROCTOR TESTS ORDERED BY THE ENGINEER SHALL BE SAMPLED AND PERFORMED BY AN INDEPENDENT TESTING LABORATORY AND PAID FOR BY THE CONTRACTOR, OBSERVED BY THE ENGINEER, AND PAID FOR BY THE CONTRACTOR. INCLUDE ALL COSTS IN PROPOSAL.
17. BUILDING AND SITE LAYOUT ARE SUBSIDIARY AND ARE THE RESPONSIBILITY OF THE CONTRACTOR.
18. BASE PLAN INFORMATION BASED ON DATA COLLECTED BY DIBERNARDO ASSOCIATES, LLC, JOSEPH DIBERNARDO, LLS, IN NOVEMBER 2020.
19. SITE HAS NOT BEEN DELINEATED FOR WETLANDS.
20. WELL TYPE OR ACTUAL PRESENCE ON EXISTING LOADING DOCK SHALL BE VERIFIED BY CONTRACTOR PRIOR TO COMMENCING EXCAVATION.
21. OUTDOOR LIGHTING SHALL BE REPLACED IN-KIND WITH DARK SKY LIGHTS, AS CERTIFIED BY THE INTERNATIONAL DARK SKY FOUNDATION. UP TO THREE LIGHTS ON POLES NO GREATER THAN FIFTEEN FEET IN HEIGHT IN LOCATIONS AS SHOWN ON THE SITE PLAN.

WINTER CONSTRUCTION NOTES:

1. SITE STABILIZATION WILL BE COMPLETED IN ACCORDANCE WITH THE NH STORMWATER MANUAL, AS REASONABLE ACHIEVABLE IN THE WINTER MONTHS.
2. IN THE WINTER, GRAVEL SHALL BE PLACED IN STORAGE AND DRIVEWAY AREA TO ALLOW FOR WORK IN COLD WEATHER CONDITIONS.

GENERAL UTILITY NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE LOCATION OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION PROCEDURE. THERE ARE OVERHEAD POWER TRANSMISSION LINES AND OTHER UTILITIES WITH ROADWAY CROSSING AND LINES IN THE IMMEDIATE VICINITY OF THE BRIDGE. THE CONTRACTOR IS ADVISED THAT EXTREME CAUTION WILL BE REQUIRED IN THE OPERATION OF EQUIPMENT, ESPECIALLY CRANES. CONTACT DIG-SAFE AT 1-888-DIG-SAFE.
2. ALL UTILITY INSTALLATIONS, INCLUDING THE LOCATION, SIZE, DEPTH, AND SPECIFICATION FOR CONSTRUCTION OF THE PROPOSED UTILITY SERVICES SHALL BE INSTALLED UNDER THE SUPERVISION OF AND COMPLYING WITH THE REQUIREMENTS OF THE RESPECTIVE UTILITY COMPANY (ELECTRIC, TELEPHONE, CABLE, ETC.)
3. DAMAGE TO ANY UTILITY BY THE CONTRACTOR SHALL BE REPORTED TO THE UTILITY COMPANY. REPAIR OF THE UTILITY SHALL BE PAID FOR BY THE CONTRACTOR.

CONSTRUCTION SEQUENCE NOTES:

1. INSTALL SEDIMENT AND EROSION CONTROL FACILITIES. ALL PERIMETER CONTROLS SHALL BE INSTALLED PRIOR TO EARTH MOVING OPERATIONS.
2. ALL SEDIMENT AND EROSION CONTROL SHALL BE IN ACCORDANCE WITH NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES BEST MANAGEMENT PRACTICES.
3. INSPECT SITE REGULARLY TO ENSURE PROPER FUNCTION OF SEDIMENT AND EROSION CONTROLS. SITE SHALL BE INSPECTED WEEKLY, AT A MINIMUM, AND ALSO AFTER/DURING SEVERE STORM EVENT(S), AFTER/DURING ANY RAINFALL THAT EXCEEDS ½ INCH IN 24 HOURS.
4. FINAL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED DOWNGRADIENT FROM ALL IMPACTS.
5. REMOVE EXISTING SILT FENCE.
6. REMOVE UNSUITABLE MATERIALS.
7. REPLACE EXISTING CULVERTS.
8. INSTALL NEW DRIVEWAY. NO DISTURBANCE OF EXISTING MATERIALS (I.E. EXCAVATION) SHALL OCCUR BETWEEN DRIVEWAY INTERSECTION WITH NH 12A AND THE PROPOSED ELLIPTICAL PIPE CULVERT.
9. SITE EXISTING BUILDING.
10. INSTALL NEW FOUNDATION.
11. CONSTRUCT BUILDING ACCORDING TO ARCHITECTURAL BUILDING DESIGN SPECIFICATIONS.
12. INSTALL PERMANENT STORM WATER RUNOFF STRUCTURES.
13. INSTALL NEW PARKING AND DRIVEWAY ACCESS AREA, INCLUDING NEW DRAINAGE STRUCTURES.
14. REMOVE TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES UPON SITE STABILIZATION.
15. CONTRACTOR IS RESPONSIBLE FOR LOCATION OF UTILITIES AND AVOIDING DAMAGE DURING CONSTRUCTION. DIGSAFE SHALL BE CONTACTED BY CONTRACTOR PRIOR TO COMMENCING EXCAVATION.

GENERAL NOTES

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GEOTECHNICAL NOTES:

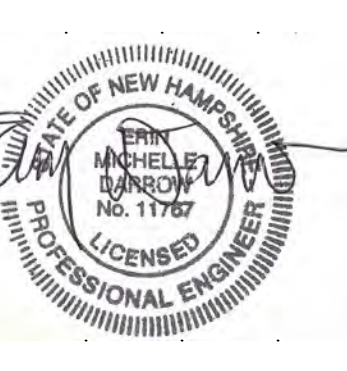
1. GEOTECHNICAL TESTING WAS NOT COMPLETED PRIOR TO COMMENCING WORK ON THIS PROJECT.
2. VERIFICATION OF GEOTECHNICAL SOIL CONDITIONS SHALL BE COMPLETED PRIOR TO FOUNDATION AND WALL CONSTRUCTION.

NO.	DATE	DESCRIPTION	BY

SUBVEYOR:
Cardigan Mountain Land Survey, LLC
Scott Sanborn, L.L.S.
32 Peaslee Road
Orange, NH 03741
(603) 523-6586



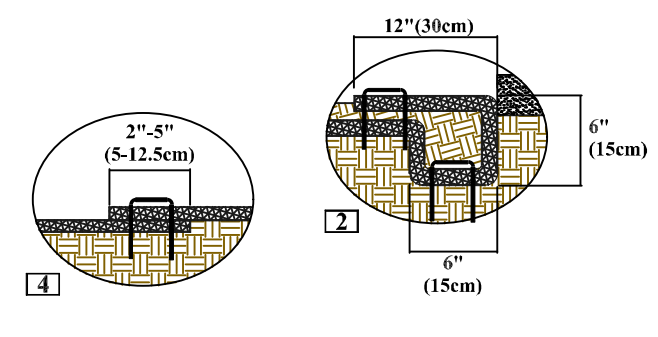
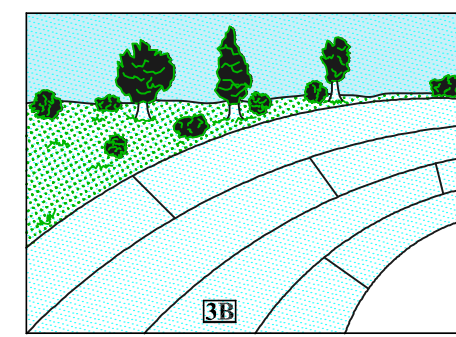
WETLAND SCIENTIST:
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ENGINEER:
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152 Main Street
New London, NH 03257
(603) 526-2807 office
(603) 443-7615 mobile
(603) 523-8811 fax
Erin@RightAngleEngineering

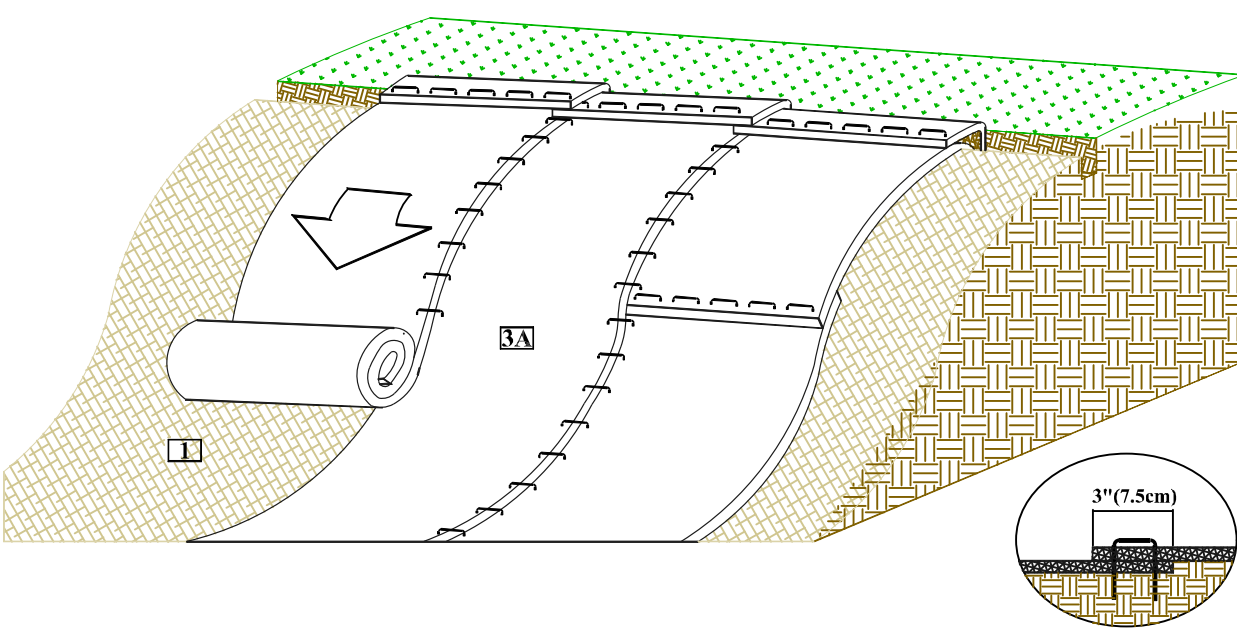
OWNER:
ROUTE 12A ENTERPRISES, LLC
CORRINE & JOHN TOMLINSON
177 LADIEU ROAD
PLAINFIELD, NH 03781

SITE PLAN
UPPER VALLEY PORTABLES
361 NH ROUTE 12A
TAX MAP 218, LOT 11
PLAINFIELD, NEW HAMPSHIRE
NOVEMBER 29, 2021



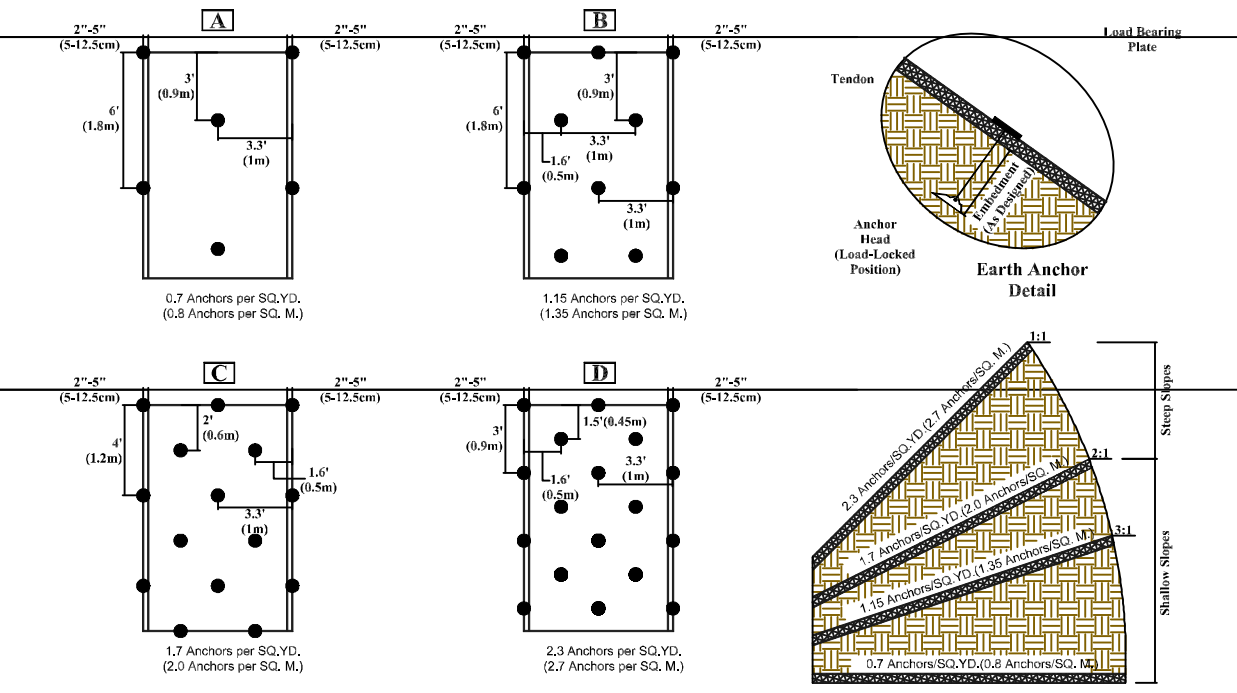
SLOPE INSTALLATION DETAIL

1. Prepare soil before installing rolled erosion control products (RECPs), including any necessary application of lime, fertilizer and seed.
2. Begin at the top of the slope by anchoring the RECPs in a 6" (15cm) deep x 6" (15cm) wide trench with approximately 12" (30cm) of RECPs extended beyond the up-slope portion of the trench. Backfill and compact the trench after staking. Apply seed to the compacted soil and take the remaining 12" (30cm) portion of RECPs back over the seed and compacted soil. Secure RECPs over compacted soil with a row of staples/stakes spaced approximately 12" (30cm) apart across the width of the RECPs.
3. Roll the RECPs (A) down or (B) horizontally across the slope. RECPs will unroll with appropriate side against the soil surface. All RECPs must be securely fastened to soil surface by staking staples/stakes in appropriate locations as shown in the staking pattern guide.
4. The edges of parallel RECPs must be stapled with approximately 2" - 5" (51.5-127mm) overlap depending on the slope. The ends must be stapled (Shingle style) with an approximate 3" (76.2mm) overlap. Staple through overlapped areas approximately 12" (30cm) apart across entire RECPs width.



SLOPE INSTALLATION EARTH ANCHOR (EA) DETAIL

1. Prepare soil before installing high-strength fabric reinforcement mats (HP-TRMs) including any necessary application of lime, fertilizer, and seed.
2. Begin at the top of the slope by anchoring the HP-TRMs in a 6" (15 cm) deep x 6" (15cm) wide trench with approximately 12" (30 cm) of HP-TRMs extended beyond the up-slope portion of the trench. Anchor the HP-TRMs with a row of staples and secure approximately 12" (30 cm) apart across the width of the HP-TRMs.
3. Roll the HP-TRMs (A) down or (B) horizontally across the slope. HP-TRMs will unroll with appropriate side against the soil surface. All HP-TRMs must be securely fastened to soil surface by staking staples/stakes in appropriate locations as shown in the staking pattern guide.
4. The edges of parallel HP-TRMs must be stapled with approximately 2" - 5" (51.5-127mm) overlap depending on the slope. The ends must be stapled (Shingle style) with an approximate 3" (76.2mm) overlap. Staple through overlapped areas approximately 12" (30cm) apart across entire HP-TRM width.



CRITICAL POINTS
 A. Overlap and Seams
 B. Projected Water Line
 C. Channel Bankside Slope-Verticals

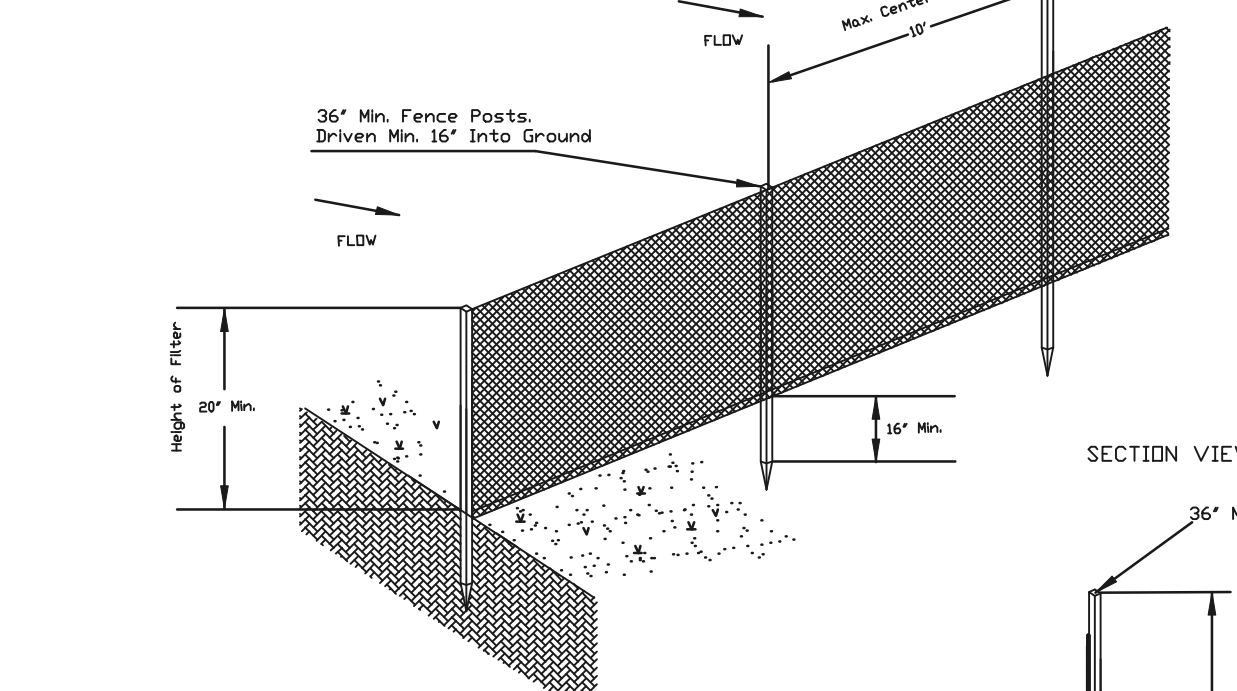
Channel & Shoreline Slopes

NOTES:
 * The performance of ground anchoring devices is highly dependent on numerous site/project specific variables. It is the sole responsibility of the project engineer and/or contractor to select the appropriate anchor type and length. Anchoring shall be selected to hold the mat in failure contact with the soil substrate and resist pullout in accordance with the project's design intent.
 * Anchor Pullout Guide can vary based on earth anchor and blanket selection.
 * If desired, the system can be soil-filled and sodded after TBM installation. Soil should be stabilized/seeded according to plan specifications.

NOTE:
 In loose soil conditions, the use of staple or stake lengths greater than 9" (230mm) may be necessary to properly secure the HP-TRMs.

SILT FENCE

Not to Scale



- INSTALLATION PROCEDURE FOR SILT FENCE**
1. Set posts along fence line. Posts shall consist of 2" square wood or 1.33 in. x 1.33 in. steel.
 2. Securely fasten filter fabric and woven wire fence (if provided) to fence posts with wire ties, staples, or other approved methods.
 3. Securely fasten filter fabric to the woven wire fence with ties spaced every 600mm (24 in.) at the top, midsection and bottom.
 4. When two sections of filter fabric adjoin each other, overlap the sections by 150mm (6 in.), fold, and staple at a post. Securely staple woven wire fence at a post.
 5. Place silt fence 1500 mm (5 ft.) beyond the toe of slope or on the contour. At the end of silt fence runs, flare up.
 6. Inspect during and after significant runoff events. Perform maintenance as needed or directed and remove material when "bulges" develop in the silt fence.
 7. Remove silt fence, as directed, when no longer needed. Before the silt fence is removed, stabilize with vegetation any sediment which is permitted to remain in place.

VEGETATIVE MEASURES

TOPSOIL STOCKPILING: TOPSOIL SHALL BE STRIPPED AND STOCKPILED FOR LATER USE ON CRITICAL AREAS AND ALL OTHER AREAS TO BE SEED. THE STOCK PILE WILL NOT BE COMPACTED AND SHALL BE STABILIZED AGAINST EROSION WITH TEMPORARY SEEDING.

TEMPORARY SEEDING:

- A) **BEDDING:** REMOVE STONES AND TRASH THAT WILL INTERFERE WITH SEEDING THE AREA. WHERE FEASIBLE, TILL THE SOIL TO A DEPTH OF ABOUT THREE INCHES TO PREPARE SEED BED AND MIX THE FERTILIZER INTO THE SOIL.
- B) **FERTILIZER:** FERTILIZER SHOULD BE UNIFORMLY SPREAD OVER THE AREA PRIOR TO BEING TILLED INTO THE SOIL. A 10-10-10 MIX OF FERTILIZER SHOULD BE APPLIED AT A RATE OF 300 POUNDS PER ACRE (OR 7 POUNDS PER 1,000 S.F.)

C) **SEED MIXTURE:** USE ANY OF THE FOLLOWING:

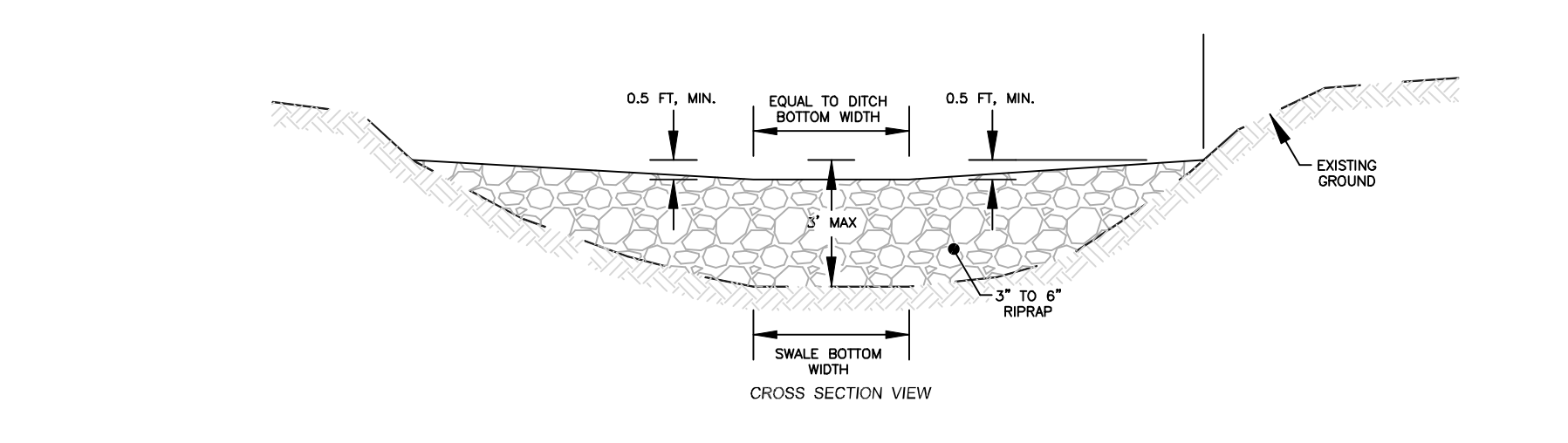
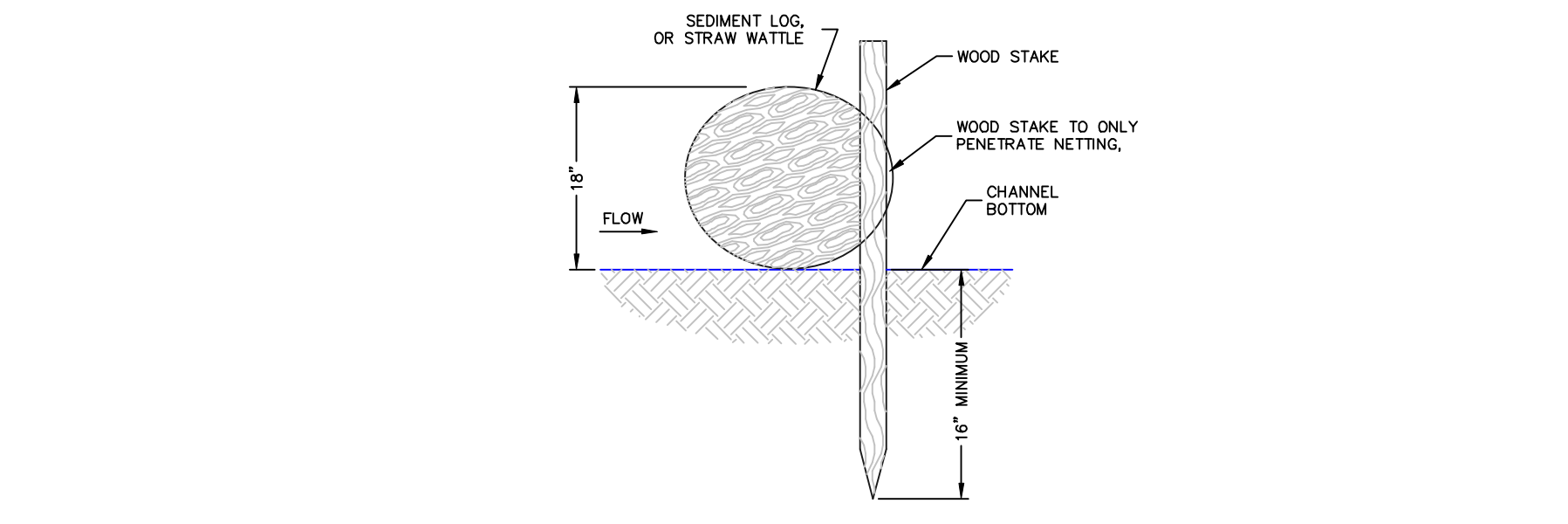
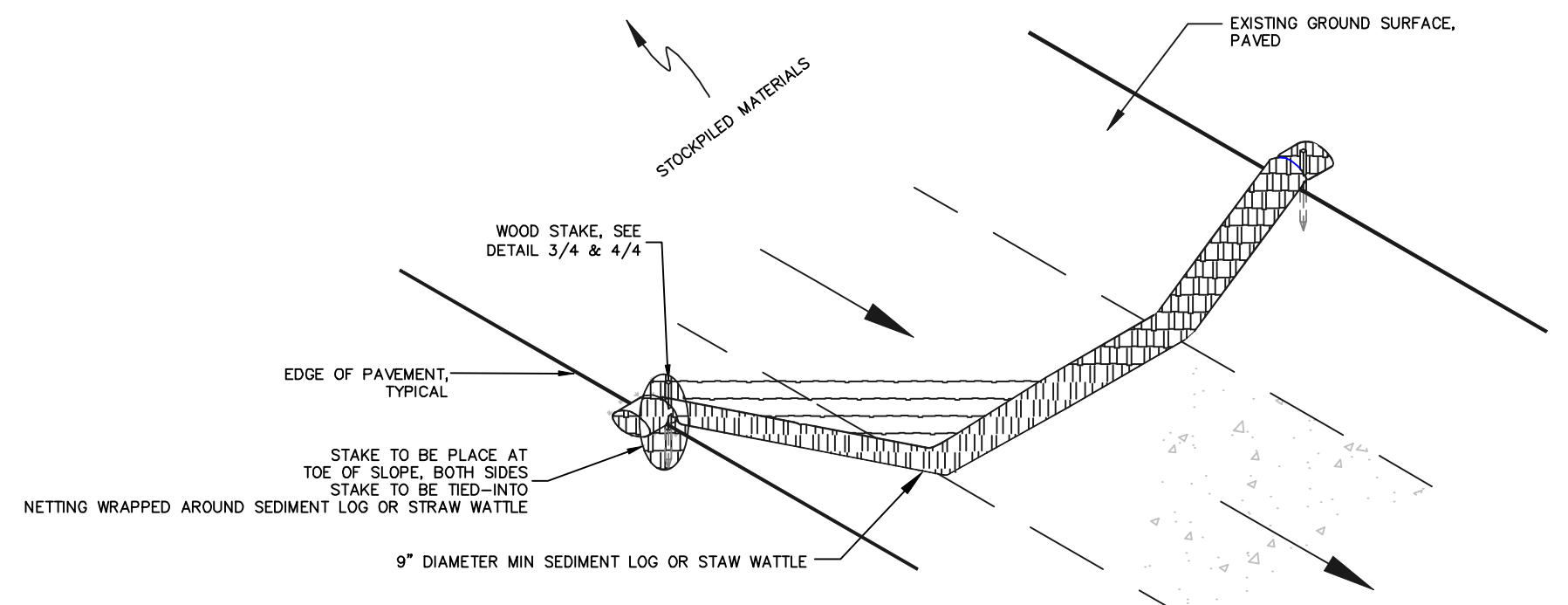
SPECIES	PER ACRE	PER 1000 S.F.	DATES
WINTER RYE	112 LBS.	2.6 LBS.	8/15 - 10/1 (FALL)
OATS	80 LBS.	2.0 LBS.	4/1 - 7/1 ; 8/15 - 9/15
RYEGRASS (ANNUAL)	40 LBS.	1.0 LBS.	4/1 - 6/1
RYEGRASS (PERENNIAL)	30 LBS.	0.7 LBS.	4/1 - 6/1 ; 8/15 - 9/15

- D) **MULCHING:** MULCH SHALL BE USED ON HIGHLY ERODABLE SOIL, ON CRITICALLY ERODING AREAS, AND ON AREAS WHERE CONSERVATION OF MOISTURE WILL FACILITATE PLANT ESTABLISHMENT.

TYPE	RATE PER 1,000 S.F.	USE AND COMMENTS
HAY OR STRAW	70 TO 90 LBS.	MUST BE DRY AND FREE OF MOLD. MAY BE USED WITH PLANTINGS.
WOOD CHIPS OR BARK MULCH	160 TO 920 LBS.	USED MOSTLY WITH TREES AND SHRUBS PLANTINGS.
JUTE AND FIBROUS MATTING	AS PER MANUFACTURERS SPECIFICATIONS	USED IN SCOPE AREAS. WATER COURSED AND OTHER AREAS.
CRUSHED STONE	SPREAD MORE THAN 1/2" TO 1 1/2" DIA.	EFFECTIVE IN CONTROLLING WIND AND WATER EROSION

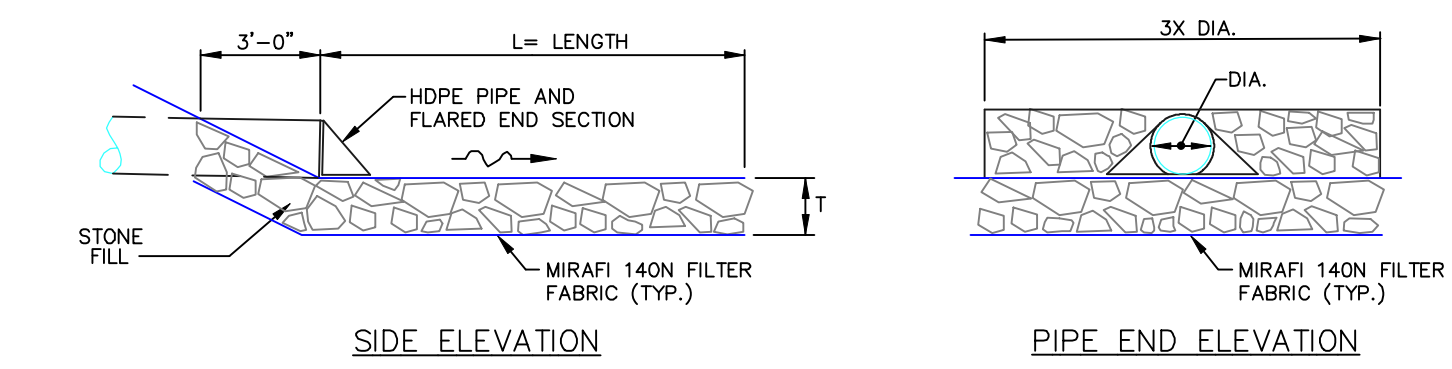
SEDIMENT LOG BARRIER

NOT-TO-SCALE



ROCK CHECK DAM
 NOT-TO-SCALE

- NOTES:**
1. FOR SEDIMENT CONTROL THE MAXIMUM HEIGHT OF THE ROCK CHECK DAM IS 3 FEET. HOWEVER, ROCK CHECK DAMS CAN BE CONSTRUCTED IN SMALLER DITCHES. THE CENTER OF THE ROCK CHECK DAM SHALL BE 6" LOWER THAN THE OUTER EDGES AS SHOWN.
 2. ROCK CHECK DAMS SHALL BE INSTALLED STARTING AT TOP OF NEW DITCH AND AT 50'-FOOT INTERVALS THEREAFTER AS SHOWN ON SITE PLAN.
 3. THE CENTER OF ROCK CHECK DAMS CONSTRUCTED IN PROJECT CONSTRUCTED "V" SHAPED OR EXISTING "V" SHAPED DITCHES SHALL BE 6" LOWER THAN AND SLOPED TO THE OUTER TOP EDGES OF THE DITCH SO HIGH FLOWS GO OVER THE TOP OF THE DAM AND NOT AROUND THE EDGES.
 4. ROCK CHECK DAMS SHALL BE REMOVED AFTER THE FIRST GROWING SEASON.



STONE PAD PIPE OUTLET DETAIL

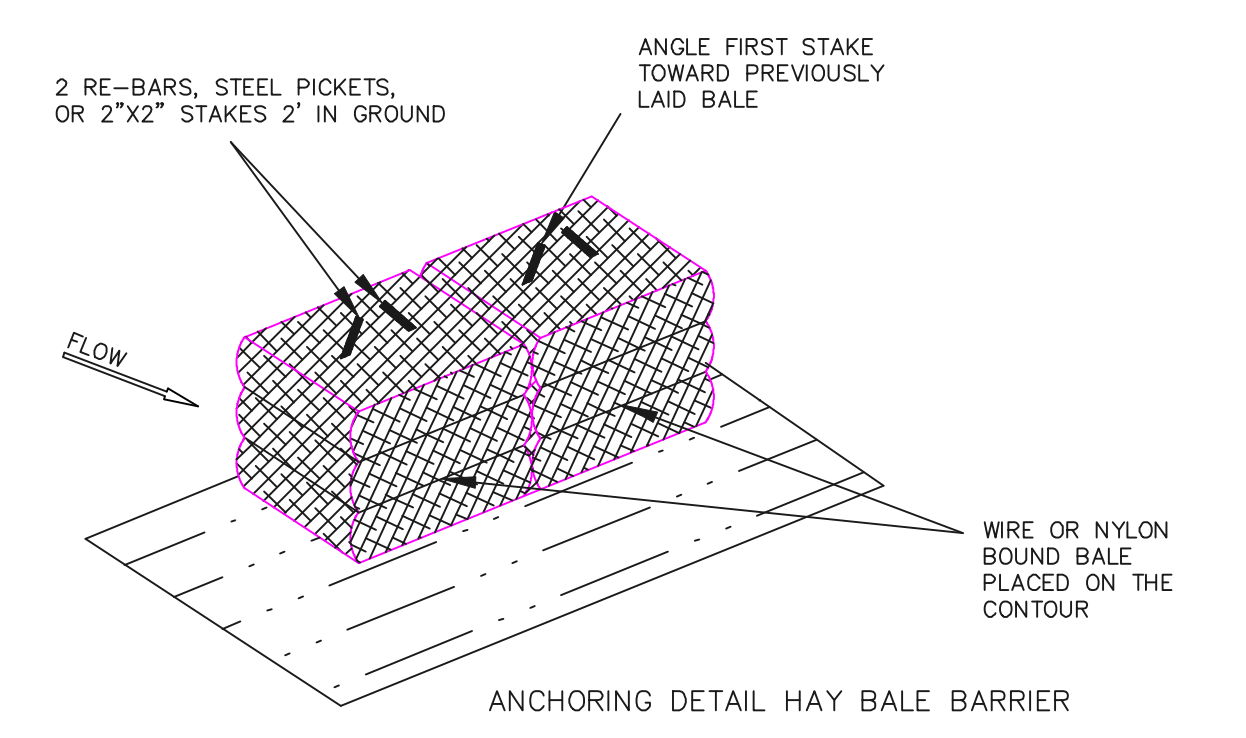
NOT TO SCALE

NOTE:
 CLASS A, B AND C STONE FILL SHALL CONSIST OF HARD, BLASTED ANGULAR ROCK REASONABLY WELL GRADED FROM SMALLEST TO MAXIMUM SIZE STONE SO AS TO FORM A COMPACT MASS WHEN IN PLACE.

CONSTRUCTION SPECIFICATIONS

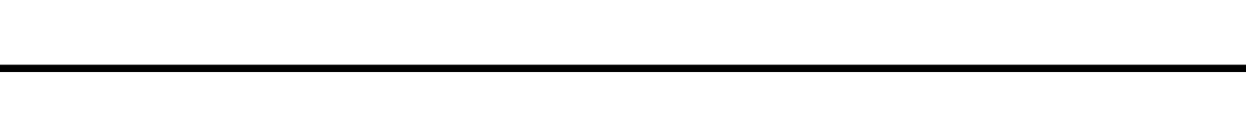
1. THE SUBGRADE FOR THE FILTER MATERIAL, GEOTEXTILE FABRIC, AND STONE FILL SHALL BE PREPARED THE LINES AND GRADES SHOWN ON THE PLANS.
2. THE ROCK USED FOR THE STONE FILL SHALL CONFORM TO NHDOT CLASS C, OR 6" RIP RAP.
3. GEOTEXTILE FABRICS SHALL BE PROTECTED FROM PUNCTURE OR TEARING DURING THE PLACEMENT OF THE ROCK STONE FILL. DAMAGED AREAS IN THE FABRIC SHALL BE REPAIRED BY PLACING A PIECE OF FABRIC OVER THE DAMAGED AREA OR BY COMPLETE REPLACEMENT OF THE FABRIC. ALL OVERLAPS REQUIRED FOR REPAIRS OR JOINING TOW PIECES OF FABRIC SHALL BE A MINIMUM OF 12 INCHES.
4. STONE FOR THE STONE FILL MAY BE PLACED BY EQUIPMENT AND SHALL BE CONSTRUCTED TO THE FULL THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO PREVENT SEGREGATION OF THE STONE SIZES.

STRAW BALE



INSTALLATION PROCEDURE FOR HAY BALES

1. Place bales 5 feet beyond the toe of slope or on the contour and in a row with ends tightly abutting the adjacent bales, with no gaps, wedge loose bale material between bales.
2. Place bales with bindings horizontal and securely anchor in place by driving two stakes through the bale.
3. During and after runoff event(s) inspect hay bales frequently and repair/replace promptly as needed or as directed. Remove sediment when accumulation reaches one half the bale height or as directed.
4. Remove bales, as directed, when they are no longer needed. Before bales are removed, stabilize with vegetation any sediment which is permitted to remain in place. When bales are removed, fill trench with suitable earth material and stabilize with vegetation.



EMBEDDING DETAIL

NO.	DATE	DESCRIPTION	BY
2			
1			

SURVEYOR:
 Land Survey, LLC
 32 Peaslee Road
 Orange, NH 03741
 (603) 523-5585

STATE OF NEW HAMPSHIRE
JONATHAN A. SISSON III
 No. 235
 REGISTERED PROFESSIONAL ENGINEER

WETLAND SCIENTIST:
 Bowser Tracks, LLC
 Jonathan Sisson, C.W.S., C.S.S.
 408 Randolph Hill Road
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 (603) 313-0225 phone
 bowsertracksllc@gmail.com

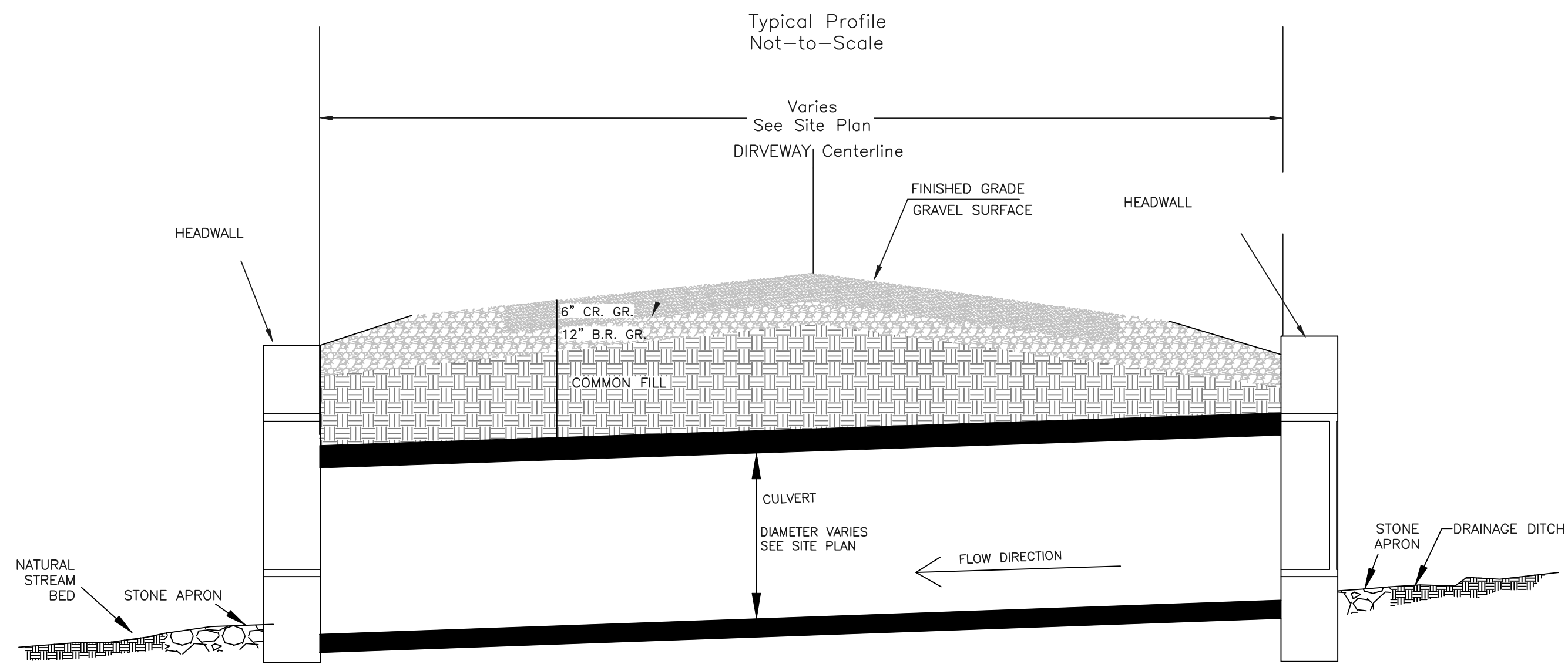
STATE OF NEW HAMPSHIRE
ERIK ANGELETT
 No. 117
 REGISTERED PROFESSIONAL ENGINEER

ENGINEER:
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 Erin Drain Street
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 Erin@RightAngle.Engineering

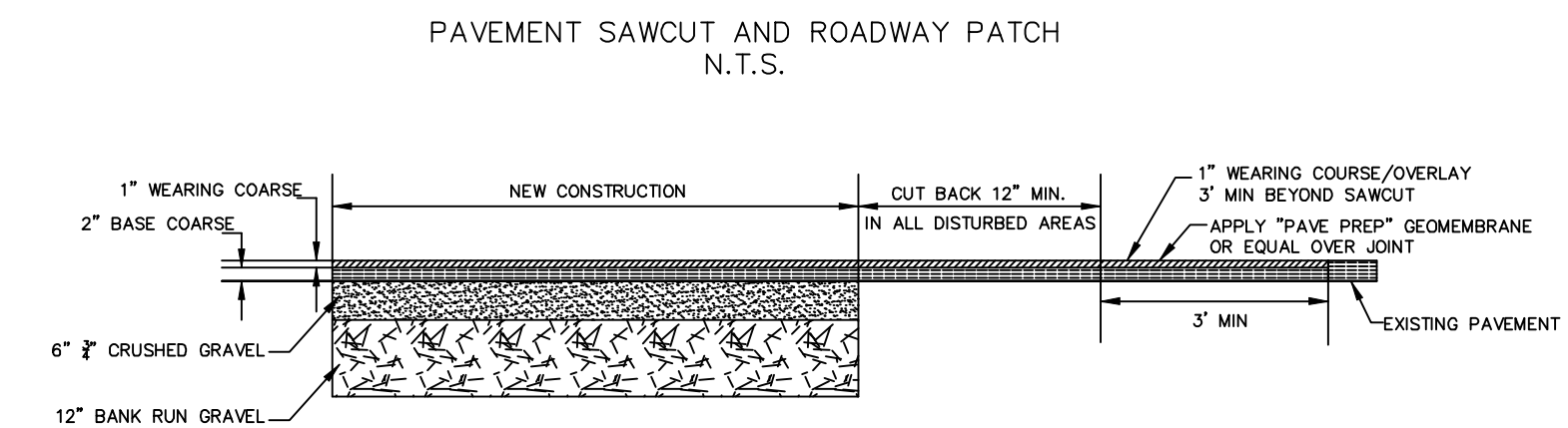
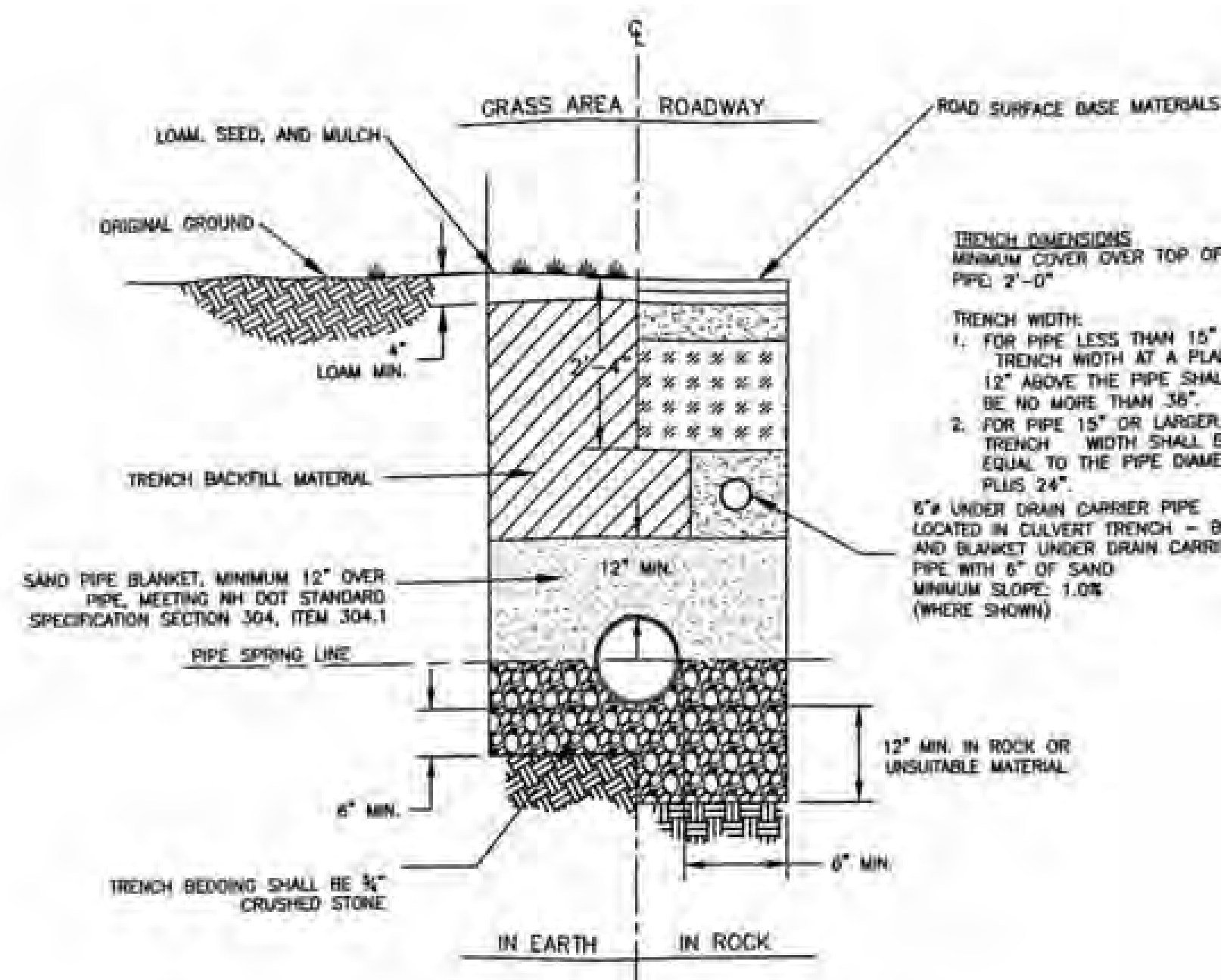
OWNER:
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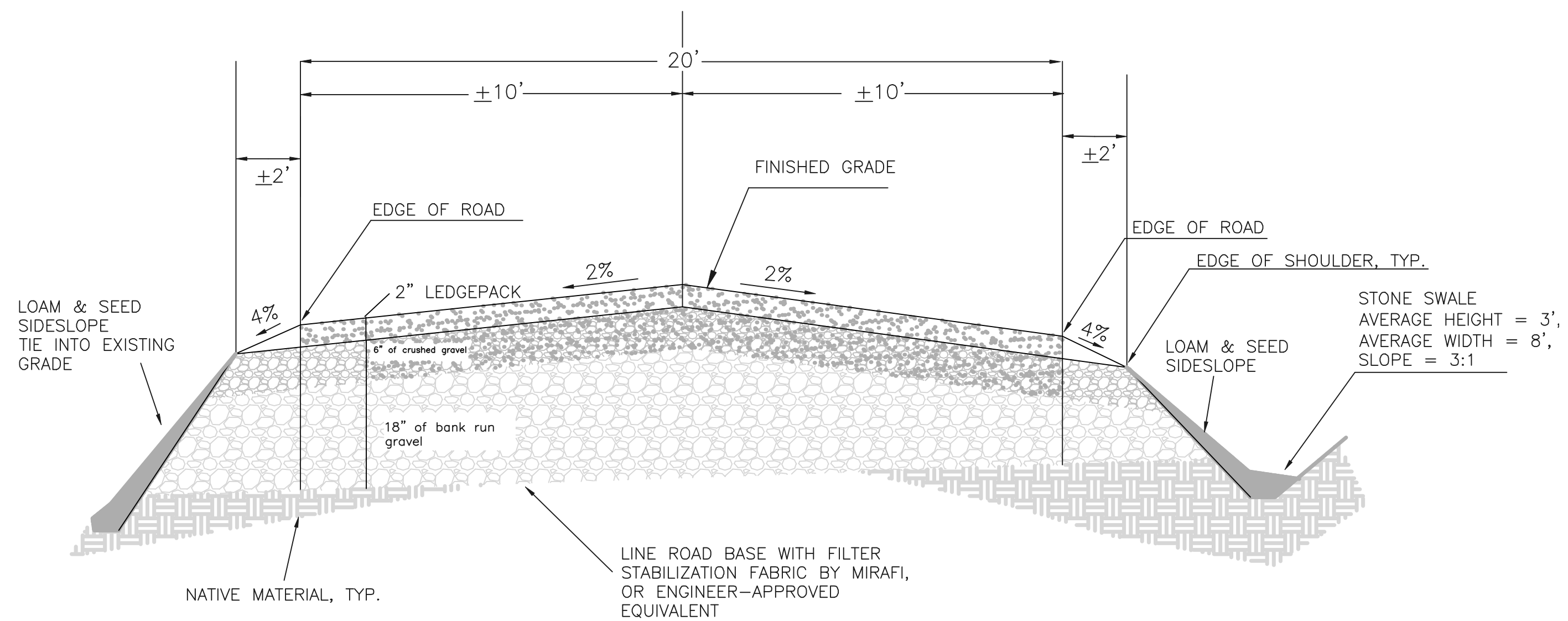
CIVIL 4



- NOTES:
1. CULVERT SHALL BE INSTALLED PER MANUFACTURER SPECIFICATIONS AND DIRECTIONS.
 2. TESTING RESULTS FOR ALL GRAVELS AND/OR STONE INSTALLED SHALL BE PROVIDED BY CONTRACTOR. THIS INCLUDES BOTH SIEVE ANALYSIS AND COMPACTION (I.E. 95% MODIFIED STANDARD PROCTOR DENSITY) STANDARDS BY A CERTIFIED TESTING AGENCY.
 3. CULVERT SHALL BE CAPABLE OF WITHSTANDING HS-25 LOADING CONDITIONS.
 4. SITE LOCATION SHALL BE DEWATERED FOR DURATION OF CONSTRUCTION.
 5. ALL CONDITIONS OF THE NHDES DREDGE AND FILL PERMIT ARE THE RESPONSIBILITY OF THE CONTRACTOR.
 6. ALL GRAVEL MATERIALS SHALL BE INSTALLED PER NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION (NHDOT) CONSTRUCTION STANDARDS.



Typical Driveway Cross-Section NOT-TO-SCALE Centerline

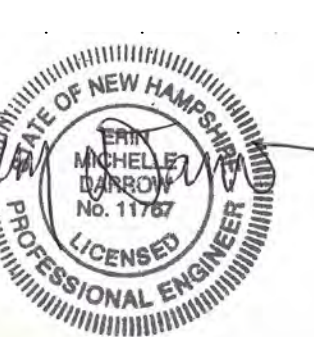


NO.	DATE	DESCRIPTION	BY
2			
1			

SURVEYOR:
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Survey, L.L.C.
Scott Samba, L.L.S.
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(603) 523-5585



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Erin@RightAngleEngineering.com

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PLAINFIELD, NEW HAMPSHIRE
NOVEMBER 29, 2021

Steve Halleran

From: UV Portables [admin@uvportables.com]
Sent: Wednesday, December 01, 2021 2:19 PM
To: plainfield.ta@plainfieldnh.org

Hi Steve,

This is a good representation of what the screening and fence look like. Please let me know if the size of this image does not work. Have a good day.

Thank you John

