

- SURVEY NOTES:**
- REFERENCE: TAX MAP 12, LOT 9-12
 - TOTAL PARCEL AREA: 81,250 SQ. FT. OR 1,869 ACRES.
 - OWNER OF RECORD: ERIC SIRLES TRUST TO PERCE DRIVE ROCHESTER, NH 03867 S.C.R.D. BOOK 4031, PAGE 828
 - ZONE: RC (RESIDENCE C) DIMENSIONAL REQUIREMENTS:

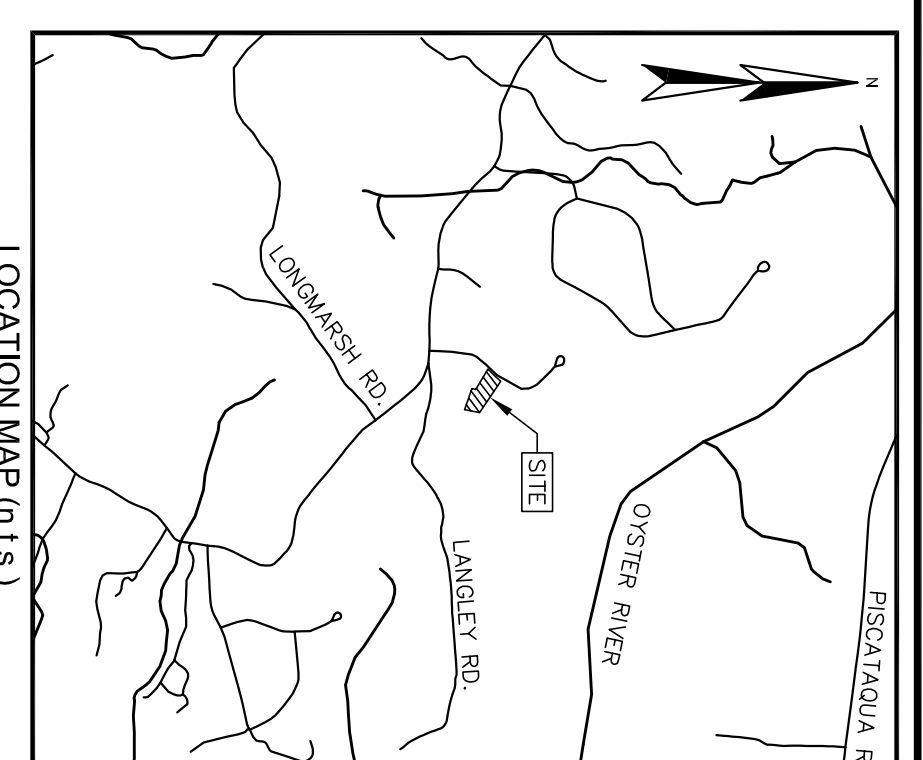
MIN. LOT AREA	150,000 SQ FT
MIN. FRONTAGE	300 FT
MIN. SIDE/REAR SETBACK	50 FT
MAX. BUILDING HEIGHT	30 FT
PERMITTED WITH PLANNING	35 FT
MAX. IMPERVIOUS SURFACE RATIO	20%
WETLAND SETBACKS:	
NO SOIL DISTURBANCE	50 FT
SEPTIC SETBACK	125 FT
 - FIELD SURVEY PERFORMED BY E.L.S. & S.J.H. OF DODGET SURVEY, INC. DURING FEBRUARY, 2017 USING A TRIMBLE S6 TOTAL STATION WITH A TRIMBLE TSC3 DATA COLLECTOR AND A SKANNA B21 AUTO LEVEL. TRAVERSE ADJUSTMENT BASED ON LEAST SQUARE ANALYSIS.
 - HORIZONTAL DATUM BASED ON ASSUMED COORDINATES AND MAGNETIC BEARING.
 - VERTICAL DATUM IS BASED ON ASSUMED ELEVATION.
 - PROPER FIELD PROCEDURES WERE FOLLOWED IN ORDER TO GENERATE CONTOURS AT 2 INTERVALS. ANY MODIFICATION OF THIS INTERVAL WILL DIMINISH THE INTEGRITY OF THE PERFORMED BY THE USER. INC. WILL NOT BE RESPONSIBLE FOR ANY SUCH ALTERATION.
 - BOUNDARY NEGOTIATION AND WETLANDS AS SHOWN HEREON ARE BASED ON REFERENCE PLAN NO. NEW BOUNDARY SURVEY HAS BEEN PERFORMED FOR THE PURPOSE OF THIS PLAN.
 - DIRECTIONAL WETLANDS AND VERY POORLY PLANNED SOILS DELINEATED BY HSG, INC. DURING OCTOBER 2008 IN ACCORDANCE WITH 1987 CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL, TECHNICAL REPORT Y-87-1, WETLAND DELINEATION CONFIRMED BY JAME LONG, GZA GEOTECHNICAL, INC. IN APRIL 2017.
 - THE TOTAL AREA OF IMPERVIOUS SURFACE ON THE LOT IS 7,472 SF.
 - STATE PERMITS:
 - A HOUSE SURFACE GEOTECHNICAL SYSTEM PERMIT: PENDING
 - WETLANDS DELINEATION SURVEY PERMIT: PENDING
 - PROPOSED IMPERVIOUS AREA IS 6,898 SQ FT.
- REFERENCE PLAN: TAX MAP 12, LOT 9-12, MATHES COVE ROAD, DURHAM, NH HANDSHAKE BY DODGET SURVEY, INC. DATED 001.28.2008.

- CONSTRUCTION SEQUENCING AND EROSION CONTROL NOTES:**
- INSTALL SILT SOCK IN THE LOCATIONS AS SHOWN AND PER THE TYPICAL DETAIL PRIOR TO EARTH MOVING OPERATIONS. CONSTRUCT CONSTRUCTION ENTRANCE PER DETAIL. INSTALL STONE CHECK DAMS ONCE SUBGRADE INSPECTED WETLAND AND AFTER ELEVATION IS WITHIN 0.5 INCHES OF FINISH GRADE OR OFF SITE IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS.
 - CLEAR AND GRUB ADDITIONAL AREA OF TREES AS NEEDED TO CONSTRUCT PROPOSED STAIRS, STRIP DRISONS, MAKE PROPOSED CUTS AND FILLS AS SHOWN ON THE PLAN. PLACE FILL IN MAXIMUM 8" LIFTS AND COMPACT TO 95% MAXIMUM PROCTOR DENSITY. ALL FILL MATERIAL SHALL BE FREE OF DELETERIOUS MATERIAL SUCH AS LOAM, STUMPS, BRUSH AND ROCKS LARGER THAN 3/4 THE DEPTH OF THE LIFT BEING PLACED.
 - CONSTRUCT SWALES ALONG DRAINWAY IN LOCATIONS SHOWN, STABILIZE WITH EROSION CONTROL MATTING AND PERMANENTLY STABILIZED WITHIN 7 DAYS OF FINISH GRADING.
 - ALL DISTURBED AREAS MUST BE TEMPORARILY STABILIZED WITHIN 30 DAYS OF BEGINNING WORK AND PERMANENTLY STABILIZED WITHIN 7 DAYS OF FINISH GRADING.
 - BANK RUN GRAVEL AND CRUSHED GRAVEL SHALL BE PLACED IN 6" LIFTS AND COMPACTED TO 95% PROCTOR DENSITY TO THE DEPTHS SPECIFIED IN THE TYPICAL DRAINWAY CROSS-SECTION. AVERAGE SHALL BE PLACED AS SOON AS POSSIBLE AFTER THE SELECT MATERIALS ARE INSTALLED AND ACCEPTED TO ELIMINATE SOIL EROSION.
 - LOAM SHALL BE SPREAD TO A MINIMUM OF 4" OVER ALL DISTURBED AREAS WITHIN 72 HOURS OF FINAL GRADING.
 - ALL DISTURBED AREAS BEING PERMANENTLY SEEDING SHALL BE FERTILIZED, SEED AND MULCHED WITH THE FERTILIZER TO BE APPLIED TO ALL DISTURBED AREAS:

SEED MIXTURE FOR SLOPE AND LAWN AREAS AND SWALES:	600 LB/ACRE OF 10-10-10 FERTILIZER
20 LB./AC. TALL FESCUE	
2 LB./AC. REDTOP	
20 LB./AC. CREEPING RED FESCUE	
MIX SHALL BE APPLIED AT 42 LB./AC.	
 - MULCH (HAY OR STRAW) TO BE APPLIED TO ALL DISTURBED AREAS:

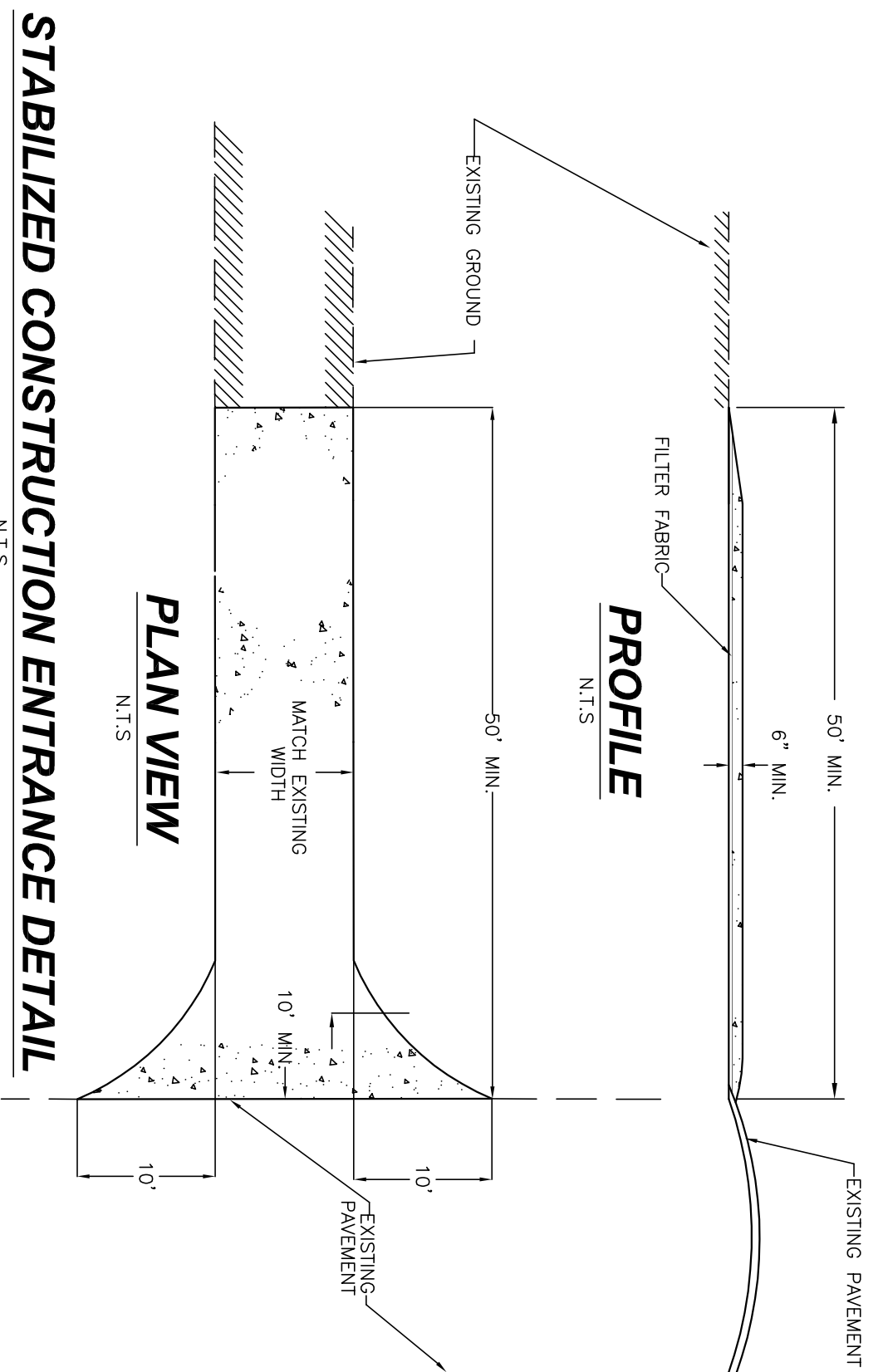
1.5-2.0 TONS/AC.	
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 - SEEDING FOR PERMANENT COVER SHALL BE PERFORMED BETWEEN APRIL 15 - OCTOBER 15.
 - ALL DISTURBED AREAS BEING TEMPORARILY SEEDING SHALL BE TREATED WITH ONE OR MORE OF THE FOLLOWING SEED MIXTURES WITHIN 45 DAYS OF FINISH DISTURBANCE:

TEMPORARY SEED MIXTURES:	
APPLY AUGUST 15TH-SEPTEMBER 5TH	
EARLY SPRING SEEDING-OATS (80 LB/AC)	
APPLY NO LATER THAN MAY 15TH	
LATE SPRING AND EARLY FALL-PERENNIAL RYE (30 LB/AC)	
APPLY APRIL 15TH TO SEPTEMBER 15TH, 2018	
 - TEMPORARY SEDIMENT BARRIERS/SWALES SHALL BE CONSTRUCTED TO CONTROL SEDIMENT DURING CONSTRUCTION AS MUCH OF EROSION CONTROL MATTING AS POSSIBLE.
 - ALL PROPOSED SLOPE AND LAWN AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 80% VEGETATIVE GROWTH BY INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING, ELSEWHERE THE INSTALLATION OF EROSION CONTROL BLANKETS SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS.
 - ALL OTHERS OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 80% VEGETATIVE GROWTH BY OCTOBER 15TH, OR CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.
 - AFTER WORKING 15TH, INCOMPLETE DRAINWAY OR PARKING SURFACES WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3-INCHES OF CRUSHED GRAVEL PER HWOOT ITEM 304.3.
 - NO FUEL SHALL BE STORED ON SITE DURING CONSTRUCTION.
 - ALL CONSTRUCTION MATERIALS THAT ARE SPILLED OR DEPOSITED ON THE PUBLIC ROADWAYS SHALL BE REMOVED BY THE CONTRACTOR.
 - ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED ONCE INITIAL GROWTH HAS BEEN ESTABLISHED.
 - ALL DISTURBED AREAS CREATED DURING REMOVAL SHALL BE REPAIRED, FERTILIZED AND RESEDED.
 - DO NOT BEGIN CONSTRUCTION UNTIL ALL LOCAL, STATE AND FEDERAL PERMITS HAVE BEEN APPLIED FOR AND RECEIVED.



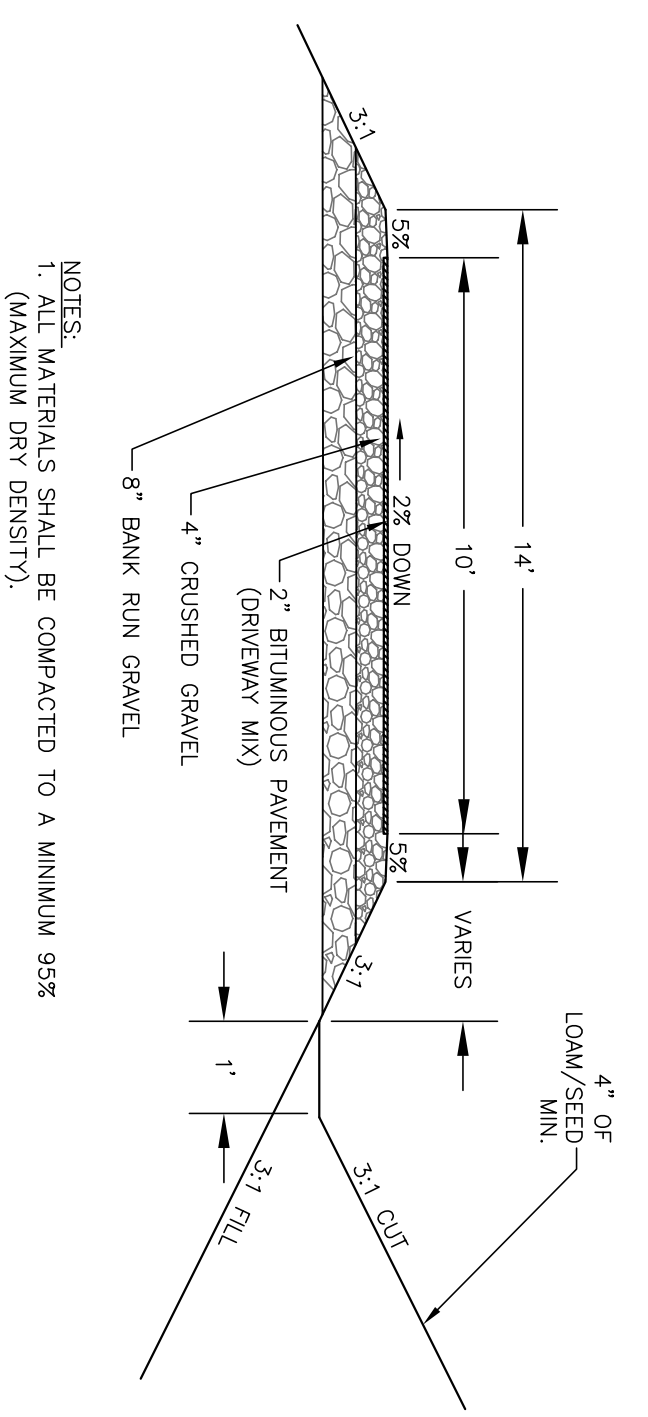
- LEGEND**
- PROPERTY LINE
 - STONE WALL TO BE REMOVED
 - OVERHEAD WIRES
 - DRAIN LINE
 - MINOR CONTOUR LINE
 - PROPOSED EVEN CONTOUR LINE
 - TREE LINE TO BE REMOVED
 - PROPOSED TREE LINE
 - EDGE OF WETLAND
 - SILT SOCK
 - UTILITY POLE
 - WELL
 - TELEPHONE BOX
 - WETLAND AREA
 - CONFEROUS TREE
 - DECIDUOUS TREE
 - LEDE OUTCROP
 - PROPOSED WETLAND IMPACT
 - STEEL STAKE FOUND
 - EDGE OF PAVEMENT
 - PHOTO LOCATION

<p>SITE PLAN prepared for ERIC AND AMBER SIRLES</p> <p>TAX MAP 12, LOT 9-12 12 MATHES COVE ROAD DURHAM, NH</p>		<p>DATE: 5/24/17 SCALE: 1"=20' DESIGNED BY: JLG/MS DRAWN BY: JLG/MS APPROVED BY: MJS</p> <p>DWG FILE: 17006C1.dwg</p>	<p>SEAL</p>																				
<p>MJS ENGINEERING, P.C. CIVIL • STRUCTURAL • ENVIRONMENTAL</p> <p>5 RAILROAD ST., P.O. BOX 359 NEW MARKET, NH 03857 PHONE: (603) 659-4979, FAX: (603) 659-4627 E-MAIL: MJS@MJS-ENGINEERING.COM</p>	<p>JOB: 17-006</p>	<table border="1"> <tr> <th>NO.</th> <th>REVISIONS</th> <th>DATE</th> <th>INT.</th> </tr> <tr> <td>0.</td> <td>INITIAL SUBMISSION TO PLANNING BOARD FOR CUP</td> <td>7/5/17</td> <td>JLG</td> </tr> </table>	NO.	REVISIONS	DATE	INT.	0.	INITIAL SUBMISSION TO PLANNING BOARD FOR CUP	7/5/17	JLG	<table border="1"> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>												
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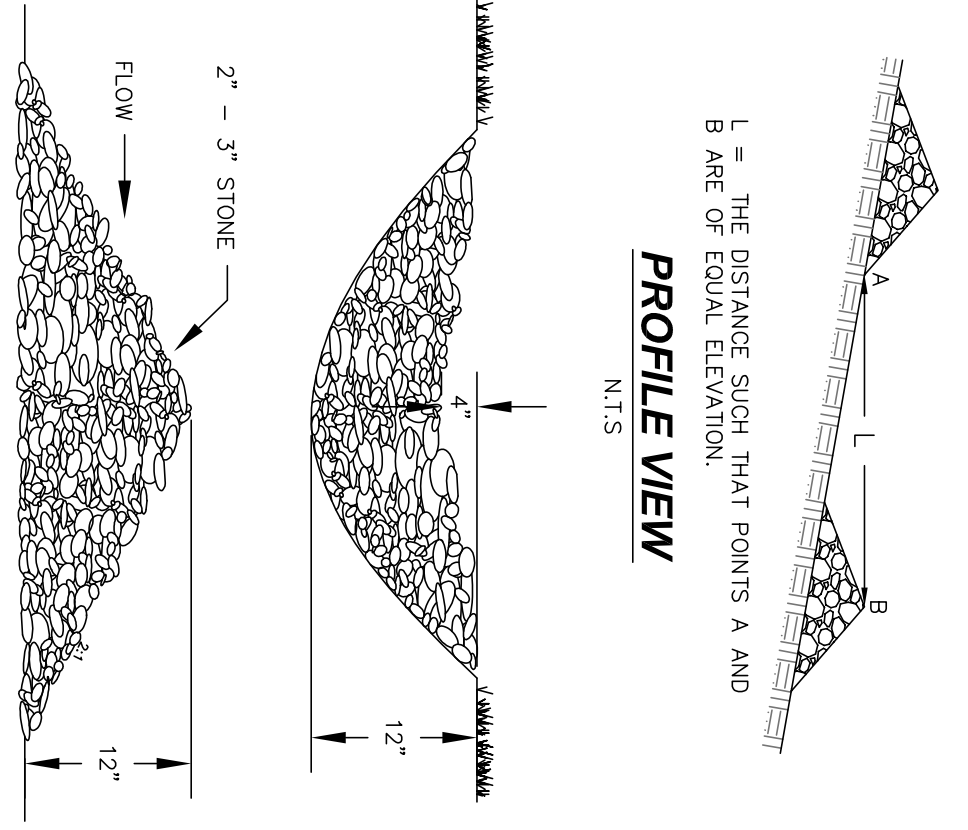


- STABILIZED CONSTRUCTION ENTRANCE NOTES:**
- GRADE AND COMPACT ACCESS ROAD ENTRANCE AS NECESSARY TO MAINTAIN AS NEARLY AS POSSIBLE THE ORIGINAL GRADE.
 - PROVIDE NECESSARY SNALES OR DIVERSIONS TO MINIMIZE DIRECT FLOW OF WATER ONTO STONE AREA.
 - CONSTRUCTION ENTRANCE SHALL BE MAINTAINED AS NECESSARY TO PREVENT EROSION FROM OCCURRING PRIOR TO THE END OF CONSTRUCTION.
 - SMALL SNALE SHALL BE CONSTRUCTED ON THE DOWN GRADENT SIDE TO TRAP ANY SILT WASHED FROM THE STONE ENTRANCE.

TYPICAL DRIVEWAY CROSS SECTION
 N.T.S.

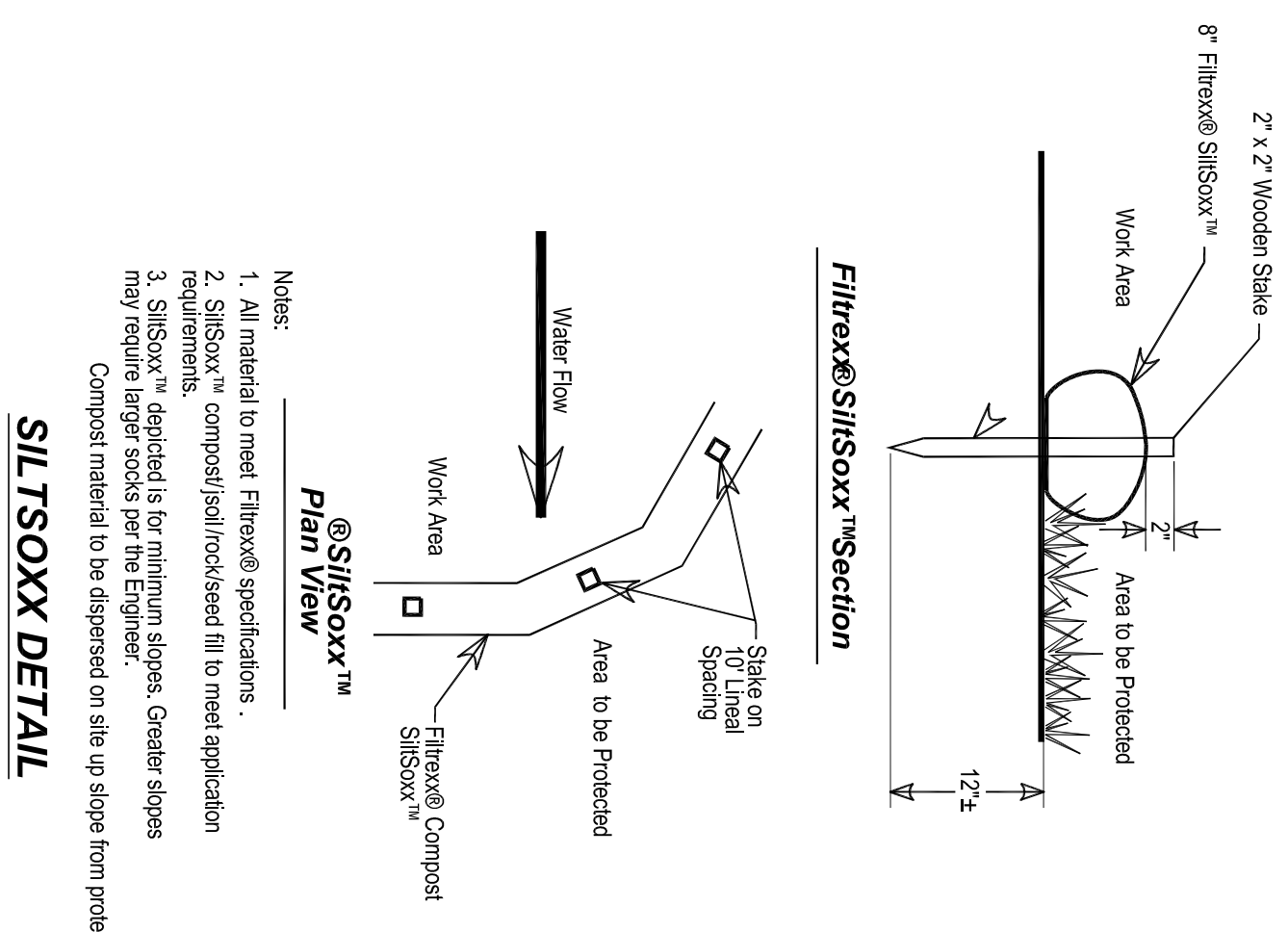


- NOTES:**
 1. MATERIALS SHALL BE COMPACTED TO A MINIMUM 95% (MAXIMUM DRY DENSITY).



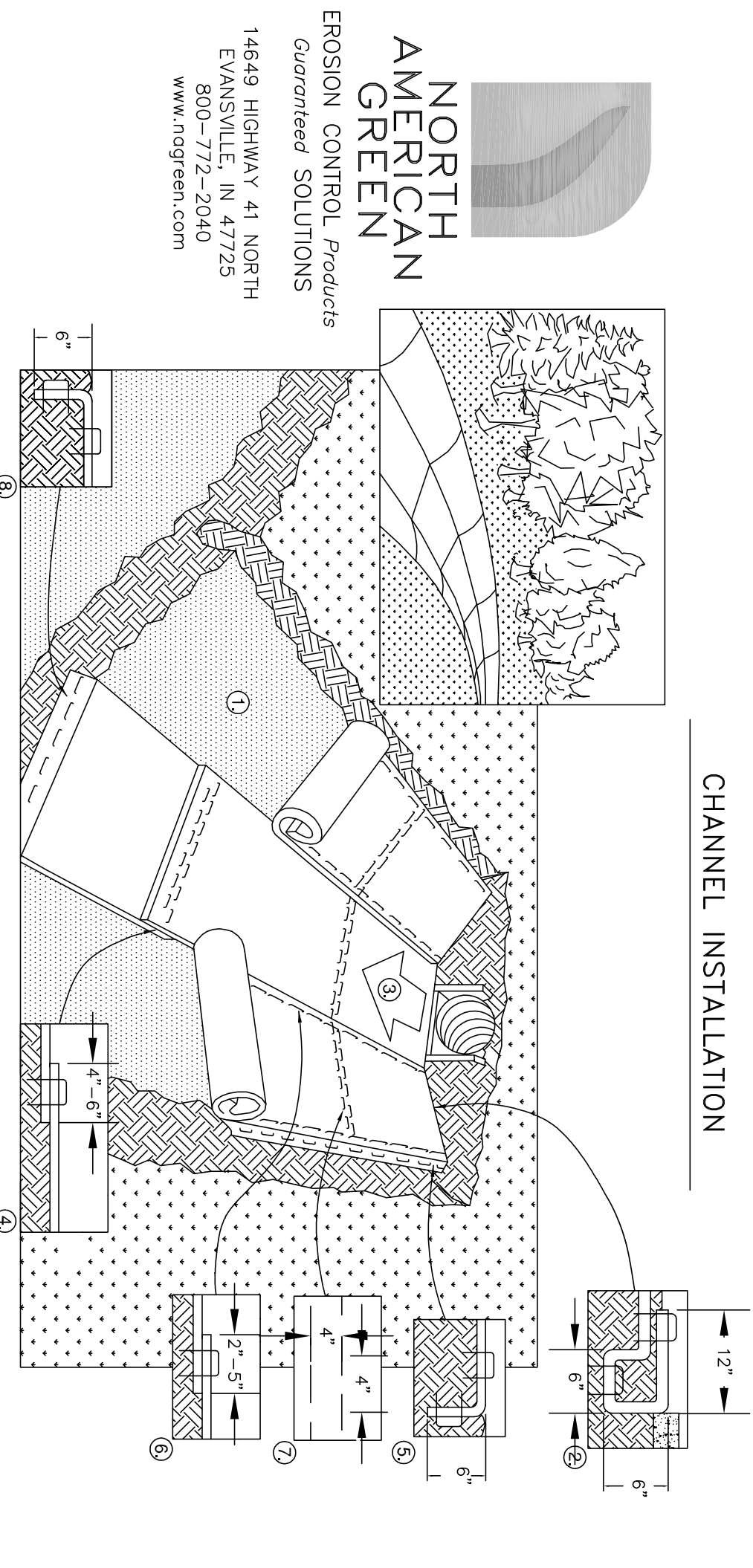
- CONSTRUCTION SPECIFICATIONS:**
- STRUCTURES SHALL BE INSTALLED ACCORDING TO THE SPACING SHOWN ABOVE AND AT THE APPROPRIATE SPACING.
 - CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER SO THAT EROSION, AIR AND WATER POLLUTION WILL BE PREVENTED.
 - STRUCTURES SHALL BE REMOVED FROM THE CHANNEL WHEN THEIR USEFUL LIFE HAS BEEN COMPLETED.
- MAINTENANCE NOTES:**
- TEMPORARY GRADE STABILIZATION STRUCTURES SHOULD BE REMOVED AFTER A PERIOD OF TWO (2) YEARS.
 - PARTICULAR ATTENTION SHOULD BE GIVEN TO END RUN AND SMALL SNALES.
 - WHEN REMOVING THE STRUCTURES, THE DISTURBED AREAS SHALL BE BROUGHT UP TO EXISTING CHANNEL GRADE AND SEDIMENT SHALL BE REMOVED FROM BEHIND THE STRUCTURES WHEN IT REACHES 1/2 THE ORIGINAL HEIGHT OF THE STRUCTURE.

STONE CHECK DAM
 N.T.S.



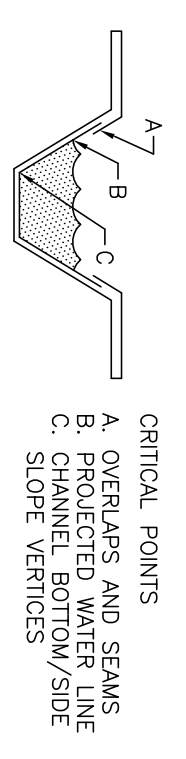
- Notes:**
- All material to meet Filterex@ specifications.
 - Siltsoxx™ compost/fertilizer/seed fill to meet application requirements.
 - Siltsoxx™ deployed is for minimum slopes. Greater slopes may require larger stakes per the Engineer.
- Compost material to be dispersed on site up slope from protected area.

SILTISOXX DETAIL
 N.T.S.



- PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP'S), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
 - BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE RECP'S IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH WITH APPROXIMATELY 12" (30 CM) OF RECP'S AT THE BOTTOM OF THE TRENCH. AFTER STAPLING, APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF RECP'S BACK OVER SEED AND COMPACTED SOIL.
 - ROLL CENTER RECP'S IN DIRECTION OF WATER FLOW IN BOTTOM OF CHANNELS. RECP'S WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECP'S SHOULD BE STAPLED TO THE CHANNEL WALLS AND OVERLAP BY APPROXIMATELY 12" (30 CM).
 - PLACE CONSECUTIVE RECP'S END OVER END (SHINGLE STYLE) WITH A 4" - 6" (10 CM - 15 CM) OVERLAP. USE A DOUBLE ROW OF STAPLES STAGGERED 4" (10 CM) ACROSS THE WIDTH OF THE RECP'S.
 - FULL LENGTH EDGE OF RECP'S AT TOP OF SIDE SLOPES MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
 - ADJACENT RECP'S MUST BE OVERLAPPED APPROXIMATELY 2" - 5" (5 CM - 12.5 CM) (DEPENDS ON RECP'S TYPE) AND STAPLED.
 - IN HIGH FLOW CHANNEL APPLICATIONS, A STAPLE CHECK SLOT IS RECOMMENDED AT 30 TO 40 FOOT (9 M - 12 M) INTERVALS. USE A DOUBLE ROW OF STAPLES WHEN USING THE DOT SYSTEM. STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED BOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
 - THE TERMINAL END OF THE RECP'S MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
- * IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 CM) MAY BE NECESSARY TO PROPERLY ANCHOR THE RECP'S.
- NOTE:**
- HORIZONTAL STAPLE SPACING SHOULD BE ALTERED TO ACCOMMODATE THE CHANNEL SURFACE.
 - CRITICAL POINTS ALONG THE CHANNEL SURFACE ** IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 CM) MAY BE REQUIRED.

TYPICAL TURF REINFORCEMENT MATTING DETAIL
 N.T.S.



- NOTES:**
- SNALES AND CULVERT INLETS TO BE LINED WITH NORTH AMERICAN GREEN SCRIBEN EROSION CONTROL BLANKET OR APPROVED EQUAL.
 - FOR SALES CONTACT:
 E.J. PRESCOTT, INC.
 210 SHEEP DAMS RD.
 603-224-9545

NO.	REVISIONS	DATE	INT.
0.	INITIAL SUBMISSION TO PLANNING BOARD FOR CUP	7/5/17	JLG

DATE: 4/13/17
 SCALE: NTS
 DESIGNED BY: JLG
 DRAWN BY: JLG
 APPROVED BY: MJS
 DWG FILE: 170606C1.dwg

CONSTRUCTION DETAILS
 prepared for
 ERIC AND AMBER SIRLES
 TAX MAP 12, LOT 9-12
 12 MATHES COVE ROAD DURHAM, NH

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