LEGEND

× 45.95 AREA OF DISTURBANCE EXISTING CONTOUR LINE PROPOSED CONTOUR LINE EXISTING STONE WALL PROPOSED TREE LINE EDGE OF WETLAND PROPOSED SPOT GRADE EXISTING UTILITY POLE HIGHEST OBSERVABLE TIDE AREA OF IMPACT OUTSIDE WCOD AND SPOD FLOOD LINE TO BE REMOVED

EXISTING TREE

IMPACT AREA WITHIN SPOD

EVELOPMENT PLAN LE FAMILY RESIDEN

for

FREGORY E. SANCOFF

27 DURHAM POINT ROAD DURHAM, NH

APRIL 18, 2018

TABLE OF CONTENTS

Location

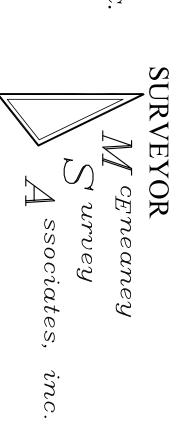
TITLE SITE PLANS . . . OVERALL PLAN . . RECORDED SUBDIVISION PLAN. CONSTRUCTION DETAILS . C1-C3 D1-D3 9 SHEET SHEET 1

SURVEYOR CIVIL ENGINEER ENGINEERING, P.C. CIVIL STRUCTURAL ENVIRONMENTAL PHONE: (603) 659-4979, E-MAIL: MJS@MJS-

GREGORY E. SANCOFF 62 DEER STREET PORTSMOUTH, NH 03801 S.C.R.D. BOOK 4450, PAGE 0931

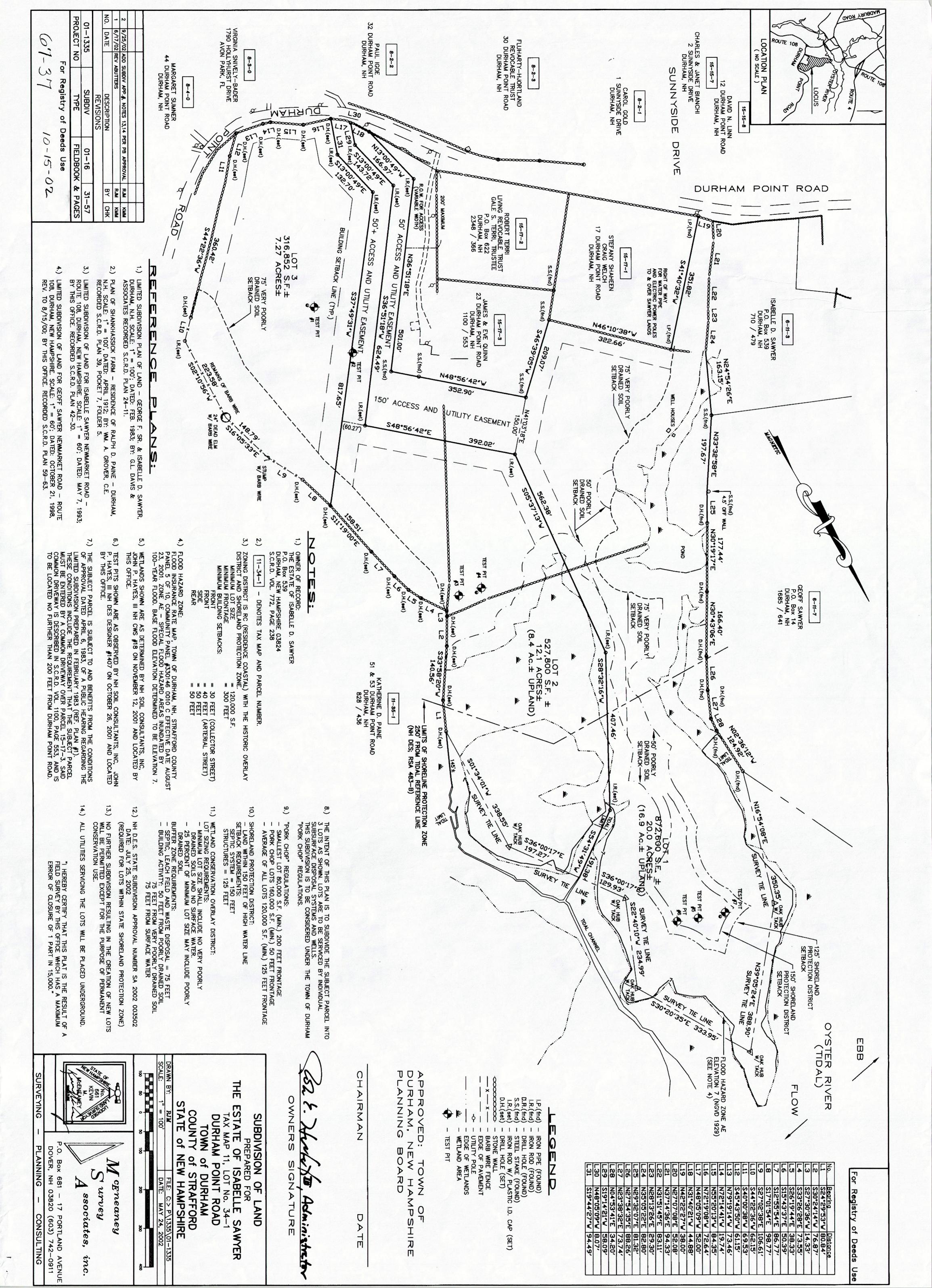
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.O. Box 681 — 17 PORTLAND AVENUE DOVER, NH 03820 (603) 742—0911

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SUBMISSION TO TOWN OF DURHAM FOR CUP

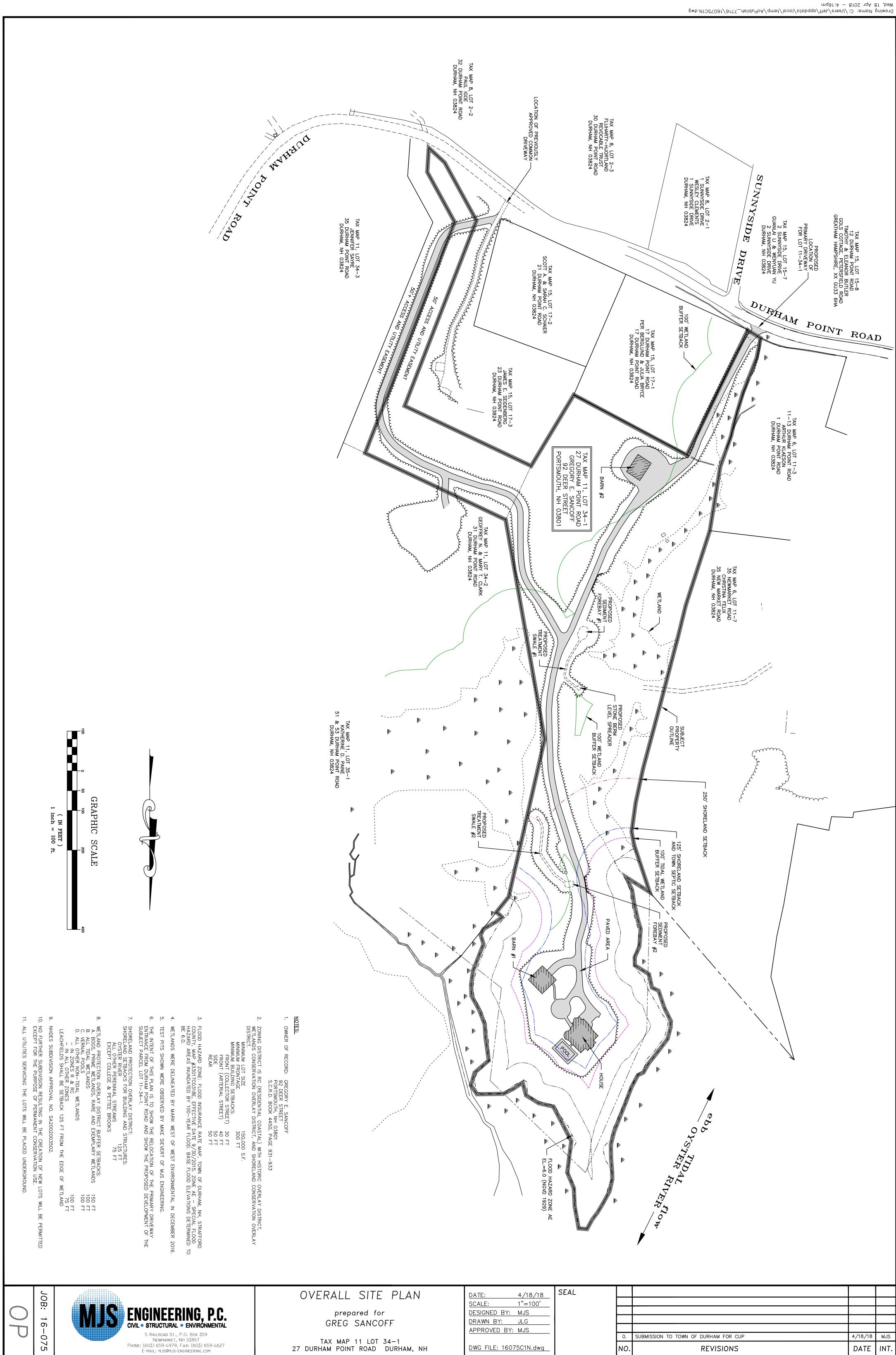
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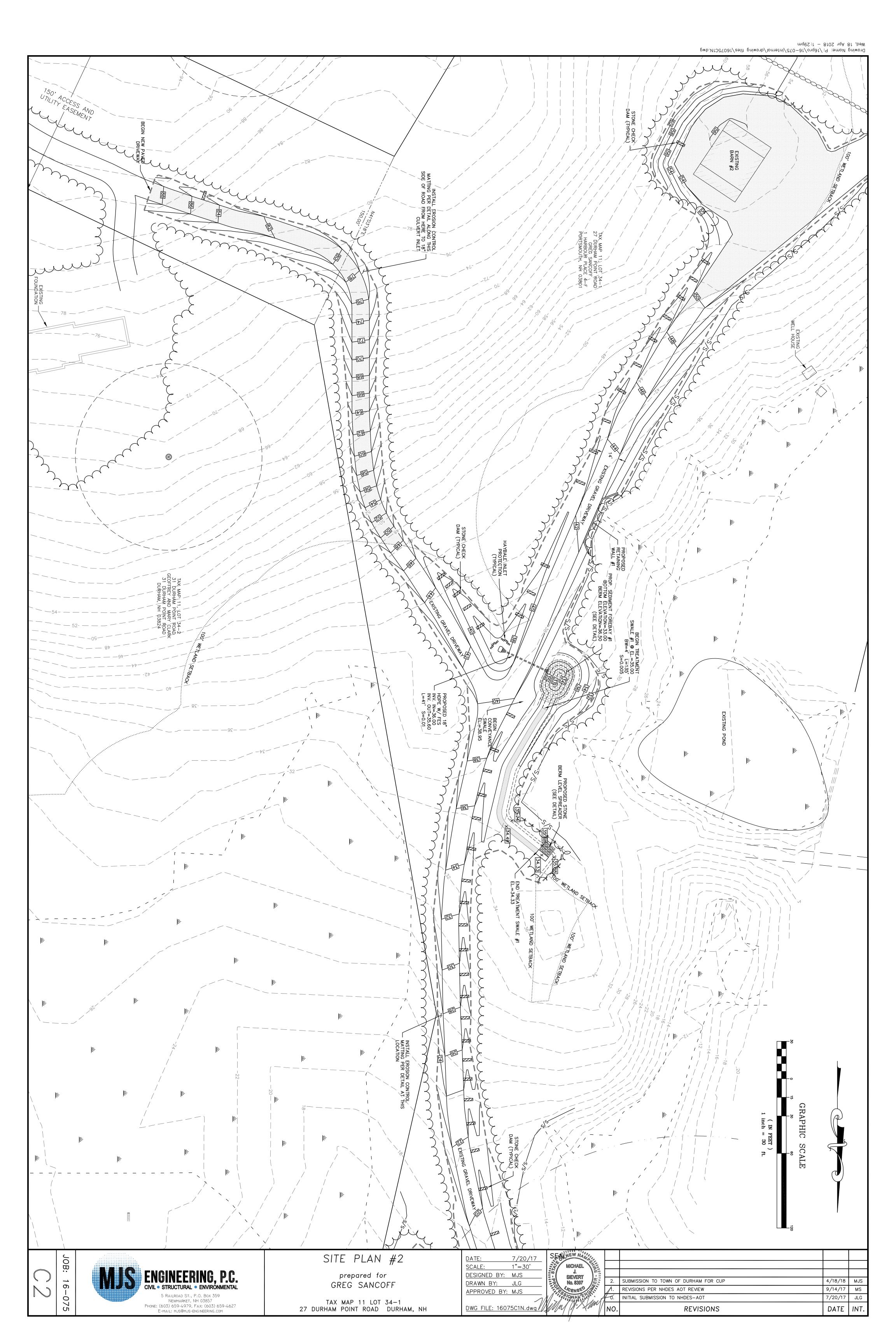
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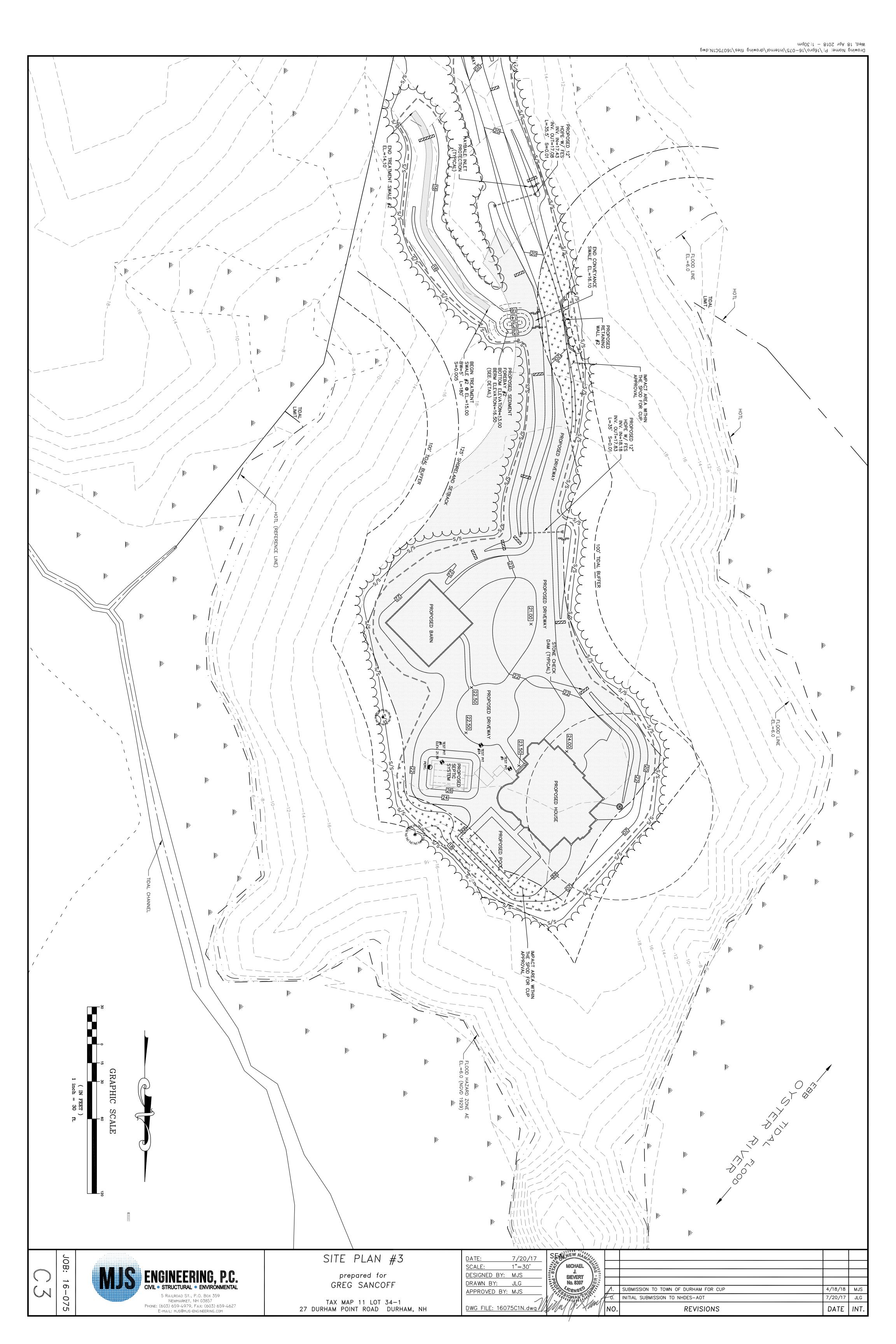


TAX MAP 11 LOT 34-1 27 DURHAM POINT ROAD DURHAM, NH

DWG FILE: 16075C1N.dwg







CONSTRUCTION SEQUENCING AND EROSION CONTROL

NOTES:

AREA OF DISTURBANCE/STABILIZATION

A. THE SMALLEST PRACTICAL AREA SHALL BE DISTURBED DURING CONSTRUCTION, BUT IN NO CASE SHALL THE AREA OF UNSTABILIZED SOIL EXCEED 5 ACRES AT ANY ONE TIME BEFORE THE AREA IS STABILIZED.

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

1. IN AREAS TO BE PAVED, BASE COURSE GRAVELS MEETING THE GRADATION REQUIREMENTS OF NHDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, 2006, ITEM NO. 304.1 OR 304.2 HAVE BEEN INSTALLED;

2. IN AREAS NOT TO BE PAVED

2.A. A MINIMUM OF 3.7 OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIPRAP HAS BEEN INSTALLED:

2.B. A MINIMUM OF 3.7 OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIPRAP HAS BEEN INSTALLED:

2.C. EROSION CONTROL BLANKETS HAVE BEEN INSTALLED IN ACCORDANCE WITH ENV-WQ 1506.03.

C. DISTURBED AREAS SHALL BE TEMPORARILY STABILIZED WITHIN 45 DAYS AND PERMANENTLY STABILIZED NO LATER THAN 3 DAYS AFTER FINAL GRADING. TOR:

ON THE GRADING PLAN, TYPICAL
S, AND IN CONFORMANCE WITH THE EROSION AND SEDIMENT CONTROL
S ON THIS PAGE. MANUFACTURER'S SPECIFICATIONS SHALL BE FOLLOWED

WORK LIME AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRING TOOTH HARROW OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OPERATION SHOULD BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLY UNIFORM, FINE SEEDBED IS PREPARED. ALL BUT CLAY OR SILTY SOILS AND COARSE SANDS SHOULD BE ROLLED TO FIRM THE SEEDBED WHEREVER FEASIBLE.

REMOVE FROM THE SURFACE ALL STONES 2 INCHES OR LARGER IN ANY DIMENSION. REMOVE ALL OTHER DEBRIS, SUCH AS WIRE, CABLE, TREE ROOTS, CONCRETE, CLODS, LUMPS, TRASH OR OTHER UNSUITABLE MATERIAL.

INSPECT SEEDBED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACTED; THE AREA MUST BE TILLED AND FIRMED AS ABOVE.

WHERE THE SOIL HAS BEEN COMPACTED BY CONSTRUCTION OPERATIONS, LOOSEN SOIL TO A DEPTH OF 2 INCHES BEFORE APPLYING FERTILIZER, LIME AND SEED. APPLY FERTILIZER AT A RATE OF 600 LBS PER ACRE OF 10-10-10. APPLY LIMESTONE (EQUIVALENT TO 50 PERCENT CALCIUM PLUS MAGNESIUM OXIDE) AT A RATE OF 3 TONS PER ACRE.

PRACTICAL TO A
V OR OTHER SUITABLE
ON THE GENERAL
M, FINE SEEDBED
SANDS SHOULD BE

ADDITIONAL NOTES:

1. NO FUEL SHALL BE STORED ON SITE DURING CONSTRUCTION
2. DURING CONSTRUCTION DUST SHALL BE PREVENTED FROM
BECOMING A SAFETY OR HEALTH HAZARD BY THE
IMPLEMENTATION OF ACCEPTED CONTROL METHODS SUCH AS

TRUCTION MATERIALS THAT ARE SPILLED OR

ON THE PUBLIC ROADWAYS SHALL BE REMOVED BY RACTOR.

FRACTOR.

EGIN CONSTRUCTION UNTIL ALL LOCAL, STATE, AND PERMITS HAVE BEEN APPLIED FOR AND RECEIVED. PARMITS HAVE BEEN APPLIED FOR AND RECEIVED.

RAL CONTRACTOR IS RESPONSIBLE TO VERIFY ALL S, ELEVATIONS AND CONDITIONS AT THE SITE. ANY ICIES SHALL BE BROUGHT TO THE ATTENTION OF THE IGINEER BEFORE PROCEEDING WITH THE AFFECTED THE WORK

ABOVE.

NOPERATIONS, LOOSEN
ZER, LIME AND SEED.
10-10-10. APPLY
AGNESIUM

LESS OTHERWISE NOTED, GRASS SEED MIXTURE 'C' SHALL BE APPLIED AT THE CONTROL OF THE APPLIED AT THE CONTROL OF T

Y SEED UNIFORMLY BY HAND, CYER OR HYDROSEEDER (SLURRY INC DEPTH IS FROM 14 TO 15 IN BELLEFT ON SOIL SURFACE. SE

CYCLONE SEEDER, DRILL, CULTIPACKER TYPE INCLUDING SEED AND FERTILIZER). NORMAL INCH. HYDROSEEDING THAT INCLUDES MULCH SEEDING OPERATIONS SHOULD BE ON THE

SPECT ALL EROSION CONTROLS WEEKLY AND AFTER EVERY RAIN EVENT OF O.ECHES OR GREATER UNLESS OTHERWISE NOTED.
EMPORARY STABILIZATION PRACTICES SHALL BE INSPECTED ONCE PER WEEK
JRING CONSTRUCTION UNTIL EXPOSED SURFACES ARE STABILIZED.
NY SIGNS OF RILL OR GULLY EROSION SHALL BE IMMEDIATELY REPAIRED.
ENANCE:
AINTAIN EROSION CONTROLS PER THE TYPICAL DETAILS AND IN CONFORMANCE
TH THE EROSION AND SEDIMENT CONTROL NOTES ON THIS PAGE.
VAL NEASURES SHALL BE REMOVED ONCE 85% GETATIVE COVER HAS BEEN ESTABLISHED.
TER REMOVAL, ALL DISTURBED AREAS SHALL BE REGRADED, FERTILIZED, AND SEEDED. MONITOR TO ENSURE VEGETATIVE GROWTH IS ESTABLISHED AND REPONEEDED UNTIL MINIMUM OF 85% VEGETATIVE COVER IS ESTABLISHED. 0.5

HORELAND REQUIREMENTS ВE

ALL WORK SHALL CONFORM TO THE COMPREHENSIVE SHORELAND PROTECTION ACT AND CITY OF DOVER SHORELAND PROTECTION OVERLAY DISTRICT.
WITHIN 3 DAYS OF FINAL GRADING OR TEMPORARY SUSPENSION OF WORK IN AN AREA THAT IS IN THE PROTECTED SHORELAND, ALL EXPOSED SOIL AREAS SHALL BE STABILIZED BY:

1. SEEDING AND MULCHING, IF DURING THE GROWING SEASON
2. MULCHING WITH TACK OR NETTING IF NOT WITHIN THE GROWING SEASON
3. A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIPRAP HAS BEEN INSTALLED;
4. EROSION CONTROL BLANKETS HAVE BEEN INSTALLED IN ACCORDANCE WITH ENV-WQ 1506.03.

PHOSPHATE, SLOW RELEASE NITROGEN FERTILIZER (NOT MORE THAN 2% PHOSPHORUS AND A NITROGEN COMPONENT WHICH IS AT LEAST 50% SLOW RELEASE NITROGEN COMPONENTS) SHALL BE USED BEYOND 25 FEET FROM TREFERENCE LINE.

APPLY 10-0-10 LOW PHOSPHATE FERTILIZER AT A RATE OF 600 Ib./Ac.

APPLY LIMESTONE (EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDE) AT RATE OF 3 TONS/ACRE. MAY BE LETT ON SOIL SURFACE. SEEDING CONTOUR.

WHERE FEASIBLE, EXCEPT WHERE EITHER A CULTIPACKER TYPE SEEDER OR WHERE FEASIBLE, EXCEPT WHERE EITHER A CULTIPACKER TYPE SEEDER OR WHERE FEASIBLE, EXCEPT WHERE SHOULD BE FIRMED FOLLOWING SEEDING PYDROSEEDER IS USED, THE SEEDBED SHOULD BE FIRMED FOLLOWING SEEDING OPERATIONS WITH A ROLLER, OR LIGHT DRAG.

WHEN HYDROSEEDING (HYDRAULIC APPLICATION), PREPARE THE SEEDBED AS SPECIFIED ABOVE OR BY HAND RAKING TO LOOSEN AND SMOOTH THE SOIL AND TO REMOVE SURFACE STONES LARGER THAN 2 INCHES IN DIAMETER.

SLOPES MUST BE NO STEEPER THAN 2 TO 1.

LIME AND FERTILIZER MAY BE APPLIED SIMULTANEOUSLY WITH THE SEED. THE USE OF FIBER MULCH ON CRITICAL AREAS IS NOT RECOMMENDED (UNLESS IT IS USED TO HOLD STRAW OR HAY). BETTER PROTECTION IS GAINED BY USING STRAW MULCH AND HOLDING IT WITH ADHESIVE MATERIALS OR 500 POUNDS PER ACRE OF WOOD FIBER MULCH.

SEEDING RATES MUST BE INCREASED 10% WHEN HYDROSEEDING.

NTENANCE

PERMANENTLY SEEDED AREAS SHOULD BE INSPECTED MONTHLY.

MOW SEEDED AREAS AS NECESSARY.

BASED ON INSPECTION, AREAS SHOULD BE REPAIRED AND/OR RESEEDED TO ENSURE 85% OF THE SOIL SURFACE IS COVERED BY VEGETATION.

* EROSION CONTROL MATTING

RAL

APPLY PRIOR TO A STORM EVENT. CLOSELY MONITOR THE HAVE ADEQUATE WARNING OF SIGNIFICANT STORMS.

MULCHING WITHIN A SPECIFIED TIME PERIOD FROM ORIGINAL EXPOSURE

2.A. WITHIN 100 FEET OF WETLANDS THE TIME PERIOD SHOOTH AND TRANS. EROSION CONTROL WITHIN 100 FEET OF WETLANDS THE TIME PERIOD THAN 7 DAYS.
IN OTHER AREAS IT SHALL BE NO GREATER THAN Y MULCHING
OR STRAW MIII CHES MATTING

WEATHER TO

OULD BE NO GREATER

OR STRAW MULCHES
ORGANIC MULCHES INCLUDING HAY AND STRAW SHALL BE AIR-DRIED, F
OF UNDESIRABLE SEEDS AND COARSE MATERIALS.
APPLICATION RATE SHALL BE 2 BALES/1,000 SF (70-90 POUNDS) OR
1.5-2.0 TONS/ACRE TO COVER 75-90% OF THE GROUND.
ANCHORING
1.C.1. EROSION CONTROL PLANTSCOTT BE AIR-DRIED, FREE

RING
EROSION CONTROL BLANKETS SHALL BE OF A WOVEN ORGANIC
MATERIAL SUCH AS COCO MATTING. IT SHALL NOT CONSIST OF
WELDED PLASTIC OR BIODEGRADABLE NETTING. INSTALL PER
MANUFACTURERS SPECIFICATIONS.
TACKIFIER: APPLY POLYMER OR ORGANIC TACKIFIER TO ANCHOR HAY
OR STRAW MULCH. APPLY PER MANUFACTURER'S
SPECIFICATIONS. TYPICAL APPLICATION RATES ARE 40—60 LBS/ACRE
FOR POLYMER MATERIAL AND 80—120 LBS/ACRE FOR ORGANIC

A. ALL PROPOSED VEGETATED AREAS THAT DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY NOVEMBER 30TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED BY SEEDING AND 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 OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS.

B. ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.

C. AFTER NOVEMBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES, WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CRUSHED GRAVEL PER NHDOT ITEM 304.3.

WINTER APPLICATION: APPLY TO A DEPTH OF 4 INCHES OR DOUBLE THE ABOVE LISTED APPLICATION RATE. NOTE THAT IF SEEDING IS NECESSARY, MULCH WILL NEED TO BE REMOVED AND THE AREA SEEDED AND MULCHED IN THE SPRING.

MAINTENANCE

1.E.1. INSPECT PERIODICALLY ****

TEMPORARY VEGETATION
PROTECTED SHORELAND

E. MAN..

1.E.1. INC..

DISPLACENCE
INSPECTIONS UNIT..

EROSION CONTROL BLANKET OR MAITING.

2.A. EROSION CONTROL BLANKETS SHALL BE CALL AS COCO MATTING. IT SHALL NOT CONSICURED SUCH AS SPECIFICATIONS.

2.B. REFER TO PLANS FOR TYPICAL EROSION CONTROL MATTING ULI...

INSTALL PER MANUFACTURERS SPECIFICATIONS.

2.C.1. DURING THE GROWING SEASON (APRIL 15 - SEPTEMBER 15) USE ON THE BASE OF GRASSED WATERWAYS, STEEP SLOPES (15% OR GREATER), AND WETLANDS.

2.C.2. DURING THE LATE FALL AND WINTER (SEPTEMBER 15 - APRIL 15) IN ADDITION TO THOSE LISTED ABOVE USE ON SIDE SLOPES OF GRASSED WATERWAYS AND MODERATE SLOPES (GREATER THAN 9%).

AND BEFORE AND AFTER STORM EVENTS TO COLOR IS AS NECESSARY.

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EROSION AND SEDIMENT CONTROL MEASURES AS SPECIFIED ABOVE.
RUNOFF IS DIVERTED FROM SEEDED AREA.
PES OF 4:1 OR STEEPER, CREATE HORIZONTAL GROOVES PERPENDICULAR DIRECTION OF THE SLOPE TO CATCH SEED AND REDUCE RUNOFF.
REPARATION
STONES AND TRASH FROM AREA TO BE SEEDED.
STONES AND TRASH FROM AREA TO BE SEEDED.
STORES AND TRASH FROM AREA TO BE SEEDED.
G FERTILIZER, LIME, AND SEED.
G FERTILIZER, LIME, AND SEED.
IMESTONE (EQUIVALENT TO 50 PERCENT CALCIUM PLUS MAGNESIUM AT A RATE OF 3 TONS PER ACRE.

4/1 TO 6/1 & 8/15
TO 9/15

PERENNIAL RYE

30

40

APPLICATION DATE

OD CHIPS OR GROUND BARK
OD CHIPS OR GROUND BARK
APPLY TO A THICKNESS OF 2 TO 6
ARE 10-20 TONS/ACRE OR 460-9:
MAINTENANCE: INSPECT ANNUALLY AI
OR MORE IN A 24 HOUR PERIOD.
OSION CONTROL MIX
COMPOSITION OF THE MIX SHALL BE
2.A.1. ORGANIC MATTER CONTENT S
WEIGHT BASIS. LE SIZE BY WEIGHT SHOULD BE 100% PASSING THE 3"

LE SIZE BY WEIGHT SHOULD BE 100% PASSING THE 3"

N, 90-100% PASSING THE 1" SCREEN, 70-100% PASSING

N, 90-100% PASSING THE 0.25 INCH

N, 90-100% PASSING THE 0.25 INCH F THE MIX SHALL BE AS FOLLOWS:

MATTER CONTENT SHALL BE BETWEEN 25-65% DRY BASIS. 6 INCHES. TYPICAL APPLICATION RATES -920 POUNDS/1,000 SF.
AND AFTER RAIN EVENTS OF 2.5 INCHES REPAIR/REPLACE AS NECESSARY.

WEIGHT BASIS.

2.A.2. PARTICLE SIZE BY WEIGHT SHOULD BE 100% PASSING THE 3"

SCREEN, 90–100% PASSING THE 1" SCREEN, 70–100% PASSING THE 0.75 INCH SCREEN, AND 30–75% PASSING THE 0.25 INCH SCREEN.

2.A.3. THE ORGANIC PORTION SHALL BE ELONGATED AND FIBROUS. IT SHALL NOT CONTAIN WOOD AND BARK CHIPS, GROUND CONSTRUCTION DEBRIS, OR REPROCESSED WOOD PRODUCTS.

2.A.4. THE MIX SHALL NOT CONTAIN SILTS, CLAYS, OR FINE SANDS.

2.A.5. SOLUBLE SALTS CONTENT SHALL BE < 4.0MMHOS/CM AND A pH OF 5.0–8.0,
OF 5.0–8.0,
OF 5.0–8.0,
MINIMUM OF 12" HIGH ON THE UPHILL SIDE AND 2 FEET WIDE.

2.C. MAINTENANCE: INSPECT PERIODICALLY AND AUGMENT AS NEEDED TO MAINTAIN INITIAL THICKNESS. REPLACE IF NO LONGER FUNCTIONING AS INTENDED. PORTION SHALL BE ELONGATED AND FIBROUS. IT VITAIN WOOD AND BARK CHIPS, GROUND DEBRIS, OR REPROCESSED WOOD PRODUCTS. NOT CONTAIN SILTS, CLAYS, OR FINE SANDS. CONTENT SHALL BE < 4.0MMHOS/CM AND A PH

PPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTIPACKER YPE SEEDER OR HYDROSEEDER (SLURRY INCLUDING SEED AND FERTILIZER). ORMAL SEEDING DEPTH IS FROM 1/4 TO 1/2 INCH. HYDROSEEDING THAT ICLUDES MULCH MAY BE LEFT ON SOIL SURFACE. SEEDING RATES MUST BE COREASED 10% WHEN HYDROSEEDING.

EMPORARY SEEDING SHOULD TYPICALLY OCCUR PRIOR TO SEPTEMBER 15TH. SEAS SEEDED BETWEEN MAY 15TH AND AUGUST 15TH SHOULD BE COVERED ITH HAY OR STRAW MULCH.

EGETATED GROWTH COVERING AT LEAST 85% OF THE DISTURBED AREA HOULD BE ACHIEVED PRIOR TO OCTOBER 15TH. IF THIS CONDITION IS NOT CHIEVED, IMPLEMENT OTHER TEMPORARY STABILIZATION MEASURES FOR INANCE

Ö

ORARY SEEDING SHOULD BE INSPECTED WEEKLY AND AFTER ANY RAINFALL DING ½ INCH IN 24 HOURS ON ACTIVE CONSTRUCTION SITES. TEMPORARY SEDING ½ INCH IN 24 HOURS ON ACTIVE CONSTRUCTION SITES. TEMPORARY NG SHOULD ALSO BE INSPECTED JUST PRIOR TO SEPTEMBER 15, TO ATAIN WHETHER ADDITIONAL SEEDING IS REQUIRED TO PROVIDE LIZATION OVER THE WINTER PERIOD.

1 ON INSPECTION, AREAS SHOULD BE RESEEDED TO ACHIEVE FULL LIZATION OF EXPOSED SOILS. IF IT IS TOO LATE IN THE PLANTING SEASON PPLY ADDITIONAL SEED, THEN OTHER TEMPORARY STABILIZATION MEASURES IN THE IMPLIFACEOUS CONTRACTOR OF THE SEASON OF THE SEASON OTHER TEMPORARY STABILIZATION MEASURES IN THE IMPLIFACEOUS CONTRACTOR OF THE SEASON OTHER TEMPORARY STABILIZATION MEASURES IN THE IMPLIFACEOUS CONTRACTOR OF THE SEASON OTHER TEMPORARY STABILIZATION MEASURES IN THE IMPLIFACEOUS CONTRACTOR OF THE SEASON OTHER TEMPORARY STABILIZATION MEASURES IN THE IMPLIFACEOUS CONTRACTOR OTHER TEMPORATY STABILIZATION MEASURES IN THE IMPLIFACEOUS CONTRACTOR OTHER TEMPORATY STABILIZATION MEASURES IN THE IMPLIFACEOUS CONTRACTOR OTHER TEMPORATY STABILIZATION OTHER TEMPORATY STABILIZATION OTHER TEMPORATY STABILIZATION OTHER TEMPORATION OTHER TEMPORATION

NG PRIOR ERIMETER

IDENCE OF EROSION OR SEDIMENTATION IS APPARENT, REPAIRS E MADE AND AREAS SHOULD BE RESEEDED, WITH OTHER TEMPORARY (E.G., MULCH) USED TO PROVIDE EROSION PROTECTION DURING THE VEGETATION ESTABLISHMENT.

_ SURFACE SHOULD BE COVERED BY

S OR ETATION JLVERT INLETS.

 All material to meet Filtrexx® specifications.
 Compost material to be dispersed on site up slope from protected area. SILTSOXX DETAIL Work Area Area to be Protected

STRAW OR HAY BALE

MAINTENANCE NOTES:

1. TEMPORARY GRADE STABILIZATION STRUCTURES SHOULD BE INSPECTED AFTER EACH STORM AND DAILY DURING PROLONGED STORM EVENTS. ANY DAMAGE TO THE STRUCTURES SHALL BE REPAIRED IMMEDIATELY.

2. PARTICULAR ATTENTION SHOULD BE GIVEN TO END RUN AND EROSION AT THE DOWNSTREAM TOE OF THE STRUCTURE.

3. WHEN REMOVING THE STRUCTURES, THE DISTURBED AREAS SHALL BE BROUGHT UP TO EXISTING CHANNEL GRADE AND THE AREAS PREPARED, SEEDED AND

DRAINAGE WAY
CROSS-SECTION

CONSTRUCTION SPECIFICATIONS:

1. 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, AIR AND WATER POLLUTION WILL BE MINIMIZED.

3. HAY BALES SHALL BE PLACED IN ROWS WITH ENDS TIGHTLY ABUTTING. WHEN PLACED IN CHANNELS BALES SHALL BE STAGGERED AND OVERLAPPED AS SHOWN IN THE DETAIL.

4. HAY BALES SHALL BE EMBEDDED ONTO THE SOIL AT LEAST 4 INCHES.

5. HAY BALES SHALL BE ANCHORED INTO THE SOIL AT LEAST 18" INTO THE SOIL.

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

®SiltSoxx™ Plan View

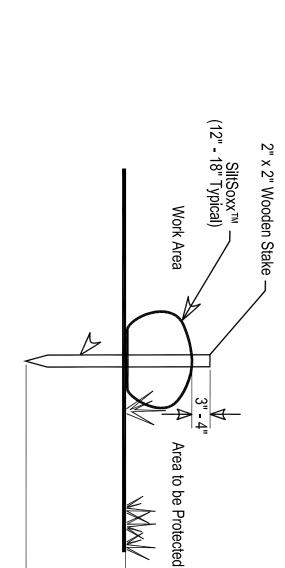
ROSS-SECTION

BEHIND THE THE ORIGINA

JOB:

16-075

HAY BALE INLET PROTECTION DETAIL



PLAN VIEW

F	E	D	C	В	A	MIXTURE	
TALL FESCUE	CREPPING RED FESCUE KENTUCKY BLUEGRASS TOTAL	TALL FESCUE <u>FLATPEA</u> TOTAL	TALL FESCUE CREEPING RED FESCUE BIRDSFOOT TREFOIL TOTAL	TALL FESCUE CREEPING RED FESCUE CROWN VETCH OR FLATPEA TOTAL	TALL FESCUE CREEPING RED FESCUE <u>REDTOP</u> TOTAL	SPECIES	
150	50 50	20 <u>30</u> 50	20 20 8 48	15 10 15 - - 40 OR 55	20 20 2 42	POUNDS PER ACRE	
3.60	1.15 <u>1.15</u> 2.30	0.45 <u>0.75</u> 1.20	0.45 0.45 <u>0.20</u> 1.10	0.35 0.25 0.35 - 0.75 0.95 OR 1.35	0.45 0.45 <u>0.05</u> 0.95	POUNDS PER 1,000 SF	

10.

)NTROL MEASURES AFTER SITE IS STABILIZED AND REI ITROLS IS SEPTEMBER 2018. FURES AND PIPES SHALL BE FLUSHED/PUMPED FREE

AND RESEED

ВҮ

E AFTER THE SELECT MATERIALS ARE INSTALLED AND ACCEPTED TO ELIMINATE SOIL EROSION.
HIN 72 HOURS OF ACHIEVING FINISHED GRADE.
STALLED WITH THE PROGRESS OF THE DRIVEWAY CONSTRUCTION. ELECTRICAL AND COMMUNICATION ONALS AND IN ACCORDANCE WITH THE SPECIFIC STANDARDS.
Y REPAIR ALL EROSION AND SEDIMENT CONTROL MEASURES AS STATED IN THE EROSION CONTROL DOLLOG INDICATING THE DATE INSPECTED, WHO INSPECTED, WHAT WAS FOUND, AND WHAT WAS DON

AND COMMUNICATION COI

			; ;	
			SOIL DRAINAGE	
USE	SEEDING MIXTURE	DROUGHTY	WELL DRAINED	MODERATELY WELL DRAINED
STEEP CUTS AND FILLS, BORROW AND	₩ >	FAIR	G00D	GOOD FAIR
DISPOSAL AREAS	7 O	POOR	GOOD	EXCELLENT
WATERWAYS, EMERGENCY SPILLWAYS, AND) ≯	GOOD	GOOD	G00D
	(0000	L///L/L/14-	
LIGHTLY USED PARKING LOTS, ODD AREAS,	סע	G00D	G00D	GOOD
RECREATION SITES.	Ωt	G00D	EXCELLENT	EXCELLENT
PLAY AREAS AND ATHLETIC FIELDS. (TOPSOIL	Е	FAIR	EXCELLENT	EXCELLENT
IS ESSENTIAL FOR GOOD TURF.)	т	FAIR	EXCELLENT	EXCELLENT
NOTE: POORLY DRAINED SOILS ARE NOT DESIRABLE FOR USE AS PLAYING AREAS AND ATHLETIC	ABLE FOR USE A	AS PLAYING ARE	AS AND ATHLET	IC FIELDS.

THE ESTIMATED START OF CONSTRUCTION

CONTACT DIG-SAFE, INDIVIDUAL UTILITIES, AND CITY DEPARTMENTS TO GET ALL UTILITIES MARKED PRIOR TO START OF CONSTRUCTION. THE OWNER OR SITE GENERAL CONTRACTOR SHALL FILE A NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EPA'S CONSTRUCTION GENERAL (CGP). A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE AVAILABLE ON SITE.

CONSTRUCT STABILIZED CONSTRUCTION ENTRANCES IN ACCORDANCE WITH THE STABILIZED CONSTRUCTION ENTRANCE DETAIL. A CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT THE START OF THE PROPOSED DRIVEWAY.

CONSTRUCT AND STABILIZE ALL TEMPORARY AND PERMANENT SEDIMENT AND EROSION CONTROLS INCLUDING SWALES AND SEDIMENT TRAPS IF NECESSARY

IS BUILDING CONSTRUCTION IS AUGUST 2017 AND THE ESTIMATED END OF CONSTRUCTION IS AUGUST 2018. 3HALL BE FOLLOWED;

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1. 0. NO

4.3.

NECESSARY

NECESSARY

NECESSARY

SEDIMENT AND EROSION PERIMETER CONTROLS SHALL BE INSTALLED PRIOR TO EARTH MOVING OPERATIONS AND SHALL FULLY ENCOMPASS ALL WOR COMPLETED DURING EACH PHASE.

COMPLETED DURING EACH PHASE.

INSTALL SWALES AND TEMPORARY SEDIMENT TRAPS AS SOON AS POSSIBLE. THE LOCATION OF THE SEDIMENT TRAPS SHALL BE PRIOR TO THE PERMANENT STRUCTURES.

CONSTRUCTION OF THE TREATMENT SWALES SHALL BEGIN AFTER ALL CONTRIBUTING DISTURBED AREAS HAVE BEEN STABILIZED.

THIS PROJECT SHALL BE MANAGED IN A MANNER THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 450:53 AND CHAPTER Agr 3800 RELATIVE TO INVASIVE SPECIES.

CLEAR/GRUB ONLY WITHIN THE LIMITS OF GRADING AS SHOWN ON THE PLANS. REMOVE ORGANICS ONLY FROM THOSE AREAS THAT CAN BE WORKED AND STABILIZED WITHIN 45 DAYS OF REMOVAL. LOAM STOCKPILES SHALL BE TEMPORARILY STABILIZED WITH MULCH. STUMPS MAY BE DISPOSED OF ON OR OFFSITE IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS.

TOTAL SITE DISTURBANCE DEPICTED ON THESE PLANS IS APPROXIMATELY 137,900 SF (3.2 AC.).

REFER TO VEGETATION AND EROSION CONTROL NOTES ON THIS PLAN DURING CONSTRUCTION.

THE DRIVEWAY CONSTRUCTION FOR THIS PROJECT WILL BE CONSTRUCTED IN ONE PHASE.

ALL CONSTRUCTION SHALL FOLLOW EROSION CONTROL REQUIREMENTS AND CONSTRUCTION SEQUENCE AND SHALL BE STABILIZED WITHIN 45 DAYS OR COMPLETION.

$\mathsf{L} = \mathsf{THE} \; \mathsf{DISTANCE} \; \mathsf{SUCH} \; \mathsf{THAT} \; \mathsf{POINTS} \; \mathsf{A} \; \mathsf{AND} \; \mathsf{B} \; \mathsf{ARE} \; \mathsf{OF} \; \mathsf{EQUAL} \; \mathsf{ELEVATION}.$ STONE CHECK DAM PROFILE VIEW

CRUSHED STONE

(TYP.)

STONE CHECK DAM

MAINTENANCE NOTES:

1. TEMPORARY GRADE STABILIZATION STRUCTURES SHOULD BE INSPECTED AFTER EACH STORM AND DAILY DURING PROLONGED STORM EVENTS. ANY DAMAGE TO THE STRUCTURES SHALL BE REPAIRED IMMEDIATELY.

2. PARTICULAR ATTENTION SHOULD BE GIVEN TO END RUN AND EROSION AT THE DOWNSTREAM TOE OF THE STRUCTURE.

3. WHEN REMOVING THE STRUCTURES, THE DISTURBED AREAS SHALL BE BROUGHT UP TO EXISTING CHANNEL GRADE AND THE AREAS PREPARED, SEEDED AND MULCHED.

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

MAINTENANCE NOTES:

1. INSPECT ANNUALLY FOR EROSION, SEDIMENT ACCUMULATION, VEGETATION LOSS, AND PRESENCE OF INVASIVE SPECIES.

2. PERFORM PERIODIC MOWING. DO NOT MOW GRASS SHORTER THAN 4 INCHES.

3. REMOVE DEBRIS AND ACCUMULATED SEDIMENT BASED ON INSPECTION.

4. REPAIR ERODED AREAS, REMOVE INVASIVE SPECIES AND DEAD VEGETATION, AND RESEED WITH APPLICABLE GRASS MIX AS WARRANTED BY INSPECTION.

CONSTRUCTION SPECIFICATIONS:

1. 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, AIR AND WATER POLLUTION WILL BE MINIMIZED.

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

VARIES 5.

JCTION NOTES: TO BERM CONSTRUCTION NOTES IN VEGETATED TREATMENT DETAIL FOR BERM CONSTRUCTION REQUIREMENTS. SHALL HAVE GREATER THAN 85% VEGETATIVE GROWTH PRIOR CEIVING RUNOFF. TO PERMANENT VEGETATION REQUIREMENTS FOR SEEDING REMENTS. SEED MIX 'C' SHALL BE APPLIED AT THE SPECIFIED ON SHEET D1.

DRIVEWAY CONSTRUCTION 3.1 PROCEED WITH DRIVEWAY CONSTRUCTION IN THE LOCATION AND TO GRADES AS SHOWN ON THE PLANS. EXCAVATE DRIVEWAY TO \$ 8.2 PLACE SELECT FILLS IN LOCATIONS AND TO THE GRADES SHOWN ON PLANS PER THE APPLICABLE DETAILS AND THE FOLLOWING: 8.2.1. PLACE FILL MATERIAL MEETING THE SPECIFICATION OF NHDOT 304.1 IN MAXIMUM 12" LIFTS AND COMPACT TO 95% MAXIMUM 8.2.2. ALL MATERIAL SHALL BE FREE OF DELETERIOUS MATERIALS SUCH AS LOAM, STUMPS, BRUSH, AND ROCKS LARGER THAN 3/4 LIFT BEING PLACED. 8.2.3 LOAM AND SEED SLOPES WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE. 8.3.1. BANK RUN AND CRUSHED GRAVEL SHALL BE PLACED IN 6" LIFTS AND COMPACTED TO 95% MAXIMUM DRY DENSITY TO THE DEPTHS SPECIFIED IN THE DRIVEWAY CROSS—SECTION DETAILS. 8.4.1. PLACE AS SOON AS POSSIBLE AFTER THE SELECT MATERIALS ARE INSTALLED AND ACCEPTED TO ELIMINATE SOIL EROSION. 8.4.2. STABILIZE ALL DRIVEWAYS WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE. UNDERGROUND UTILITIES SHALL BE INSTALLED WITH THE SPECIFIC STANDARDS. INSPECT, MAINTAIN, AND IF NECESSARY REPAIR ALL EROSION AND SEDIMENT CONTROL MEASURES AS STATED IN THE EROSION CONTROL LOG INDICATING THE DATE INSPECTED, WHO INSPECTED, WHAT WAS FOUND, AND WHAT WAS SHEET. PROVIDE AN EROSION CONTROL LOG INDICATING THE DATE INSPECTED, WHO INSPECTED, WHAT WAS FOUND, AND WHAT WAS SHEET. DRY DENSITY. THE DEPTH OF

prepared for

NOTES ON THIS

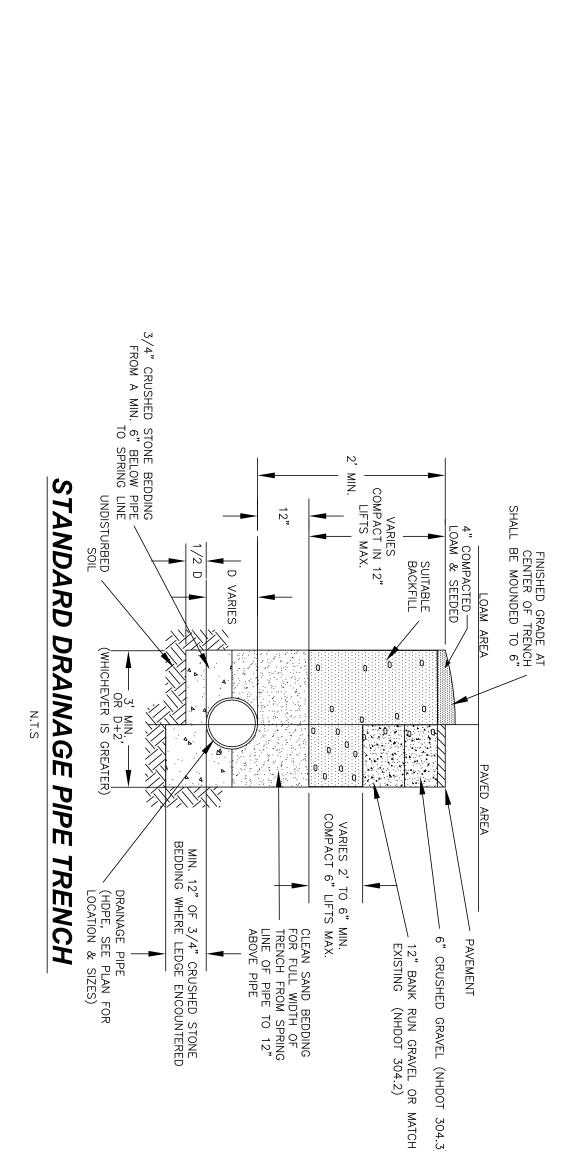
GREG SANCOFF TAX MAP 11 LOT 34-1 27 DURHAM POINT ROAD DURHAM, NH

DATE:	7/20/17	SEATHEW HAME
SCALE:	AS SHOWN	MICHAEL S
DESIGNED BY:	MS	SIEVERT
DRAWN BY:	MS	= No. 8397
APPROVED BY:	MJS	CENSE
DWG FILE: 16—075 Details	B cup plants	May May Sign

	REVESION PER NHDES AOT REVIEW	9/14/17	EHK
	SUBMISSION TO NHDES AOT BUREAU	7/20/17	MS
).	REVISIONS	DATE	INT.

ENGINEERING, P.C. CIVIL • STRUCTURAL • ENVIRONMENTAL 5 RAILROAD ST., P.O. BOX 359 NEWMARKET, NH 03857 PHONE: (603) 659-4979, FAX: (603) 659-4627 E-MAIL: MJS@MJS-ENGINEERING.COM

CONSTRUCTION DETAILS



CONSTRUCTION SPECIFICATIONS:

1. DISCHARGE DOWNSLOPE OF BERM ONTO A WELL STABILIZED RECEIVING AREA, PREFERABLY UNDISTURBED VEGETATION.

2. THE STONE FOR THE LEVEL SPREADER BERM SHALL MEET THE FOLLOWING SPECIFICATIONS:

7 OF WEIGHT SMALLER 8 BY WEIGHT PASSING SIEVE DESIGNATION SQUARE MESH SIEVE 12" 100% 6" 84-100% 6" 84-100% 68-83% 1" 42-55% 42-55% 44-100% 8-12% AINTENANCE NOTES:

INSPECT ONCE ANNUALLY FOR ACCUMULATION OF SEDIMENT AND DEBRIS AND FOR SIGNS OF EROSION WITHIN CHANNEL APPROACH, SPREADER CHANNEL, OR DOWNSLOPE OF SPREADER.

REMOVE DEBRIS AND REPAIR EROSION AS NECESSARY.

MOW AS REQUIRED.

SEDIMENT SHALL BE REMOVED WHEN ACCUMULATION EXCEEDS 25% OF THE CHANNEL DEPTH.

STONE BERM LEVEL

SPREADER

SPILLWAY DIMENSION TABLE LWAY #1 — SEDIMENT FOREBAY #1 LWAY #2 — SEDIMENT FOREBAY #2 ER TO DETAIL ABOVE FOR LOCATION

SEDIMENT CROSS SECTION DETAIL

LENGTH IS BREADTH

BERM AT SPILLWAY

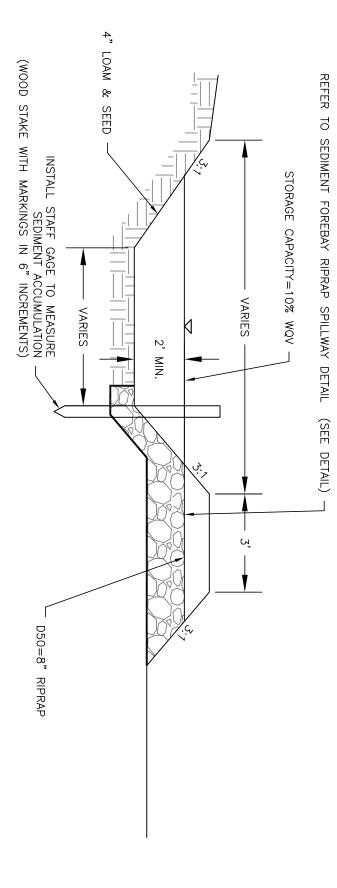
d50=6" RIP-RAP GRADATION

PILLWAY CROSS SECTION FOREBAY SHALL BE MOWED WITH IREMENTS.
IN PLACE, THE SEDIMENT FOREBAY SHALL BE MOWED WITH IN PLACE, THE SEDIMENT FOREBAY SHALL BE MOWED WITH ITES LAWN AREAS TO PROMOTE HEALTHY GROWTH AND SACHMENT OF WEEDS AND WOODY VEGETATION.

TO MEASURE SEDIMENT ACCUMULATION. SEDIMENT SHALL SEDIMENT ACCUMULATES TO A DEPTH OF 1 FOOT. JCTION NOTES IN TREATMENT SWALE ENTS.

AY CROSS SECTION DETAIL FOR SPILE OF DETAIL FOR BERM

SEDIMENT FOREBAY TYPICAL **CROSS** SEC TION DETAIL



THE FOUNDATION AREA SHALL BE SCARIFIED PRIOR TO PLACING FILL. ALL UNSUITABLE MATERIAL UNDER THE BERM SHALL BE REMOVED AND REPLACED WITH SUITABLE FOUNDATION MATERIAL CLEAR AND GRUB THE AREA WHERE THE SWALE IS TO BE LOCATED. STOCKPILE LOAM FOR REUSE LATER.

MAINTENANCE NOTES:

1. INSPECT ANNUALLY FOR EROSION, SEDIMENT ACCUMULATION, VEGETATION LOSS, AND PRESENCE OF INVASIVE SPECIES.

2. PERFORM PERIODIC MOWING. DO NOT MOW GRASS SHORTER THAN 4 INCHES.

3. REMOVE DEBRIS AND ACCUMULATED SEDIMENT BASED ON INSPECTION.

4. REPAIR ERODED AREAS, REMOVE INVASIVE SPECIES AND DEAD VEGETATION, AND RESEED WITH APPLICABLE GRASS MIX AS WARRANTED BY INSPECTION.

TREATMENT SWALE DIMENSION TABLE
LOCATION BOTTOM WIDTH (FT) DEPTH (FT)

EATMENT SWALE #1
EATMENT SWALE #2

1. REFER TO BERM CONSTRUCTION NOTES IN DETENTION POND DETA FOR BERM CONSTRUCTION REQUIREMENTS.
2. SWALE SHALL HAVE GREATER THAN 85% VEGETATIVE GROWTH PROPERTY TO RECEIVING RUNOFF.

CONSTRUCTION NOTES:

DO NOT PLACE SWALE INTO SERVICE UNTIL THE BMP HAS BEEN SEEDED AND STABILIZED. ALL CONTRIBUTING AREAS SHALL BE FULLY STABILIZED.

NO.

VEGETATED TREA TMENT SWALE DETAIL

ENGINEERING, P.C. CIVIL • STRUCTURAL • ENVIRONMENTAL 5 RAILROAD ST., P.O. BOX 359 NEWMARKET, NH 03857 PHONE: (603) 659-4979, FAX: (603) 659-4627 E-MAIL: MJS@MJS-ENGINEERING.COM

JOB:

16-075

GREG SANCOFF TAX MAP 11 LOT 34-1 27 DURHAM POINT ROAD DURHAM, NH

DATE:	7/20/17	SEATHEW HAMP
SCALE:	AS SHOWN	MICHAEL THE
DESIGNED BY:	MS	SIEVERT
DRAWN BY:	MS	27\ No. 8397
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DWG FILE: 16-075 Details	B cup pland	

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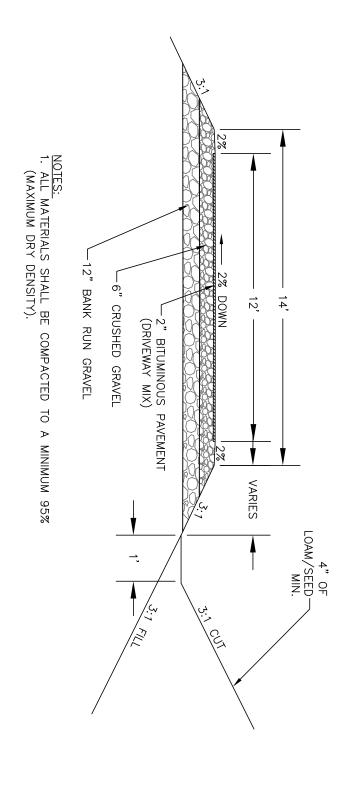
EROSION

SOLUTIONS

NORTH GREEN

14649 HIGHWAY 41 NORTH EVANSVILLE, IN 47725 800-772-2040 www.nagreen.com

TYPICAL DRIVEWAY CROSS SECTION





TYPICAL TURF REINFORCEMENT MATTING

IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 CM) MAY BE NECESSARY TO PROPERLY ANCHOR

* HORIZONITAL STADLE SPACING SHOULD BE ALTERED

* HORIZONITAL STADLE SPACING SHOULD BE ALTERED

* HORIZONITAL STADLE SPACING SHOULD BE ALTERED ** IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 cm) MAY BE REQUIRED. * HORIZONTAL STAPLE SPACING SHOULD BE ALTERED IF NECESSARY TO ALLOW STAPLES TO SECURE THE CRITICAL POINTS ALONG THE CHANNEL SURFACE.

JJACENT RECP'S MUST BE OVERLAPPED APPROXIMATELY 2" — 5" (5 CM —12.5 CM) (DEPENDING ON RECP'S TYPE) . HIGH FLOW CHANNEL APPLICATIONS, A STAPLE CHECK SLOT IS RECOMMENDED AT 30 TO 40 FOOT (9 M — 12 M) . AGGERED 4" (10 CM) APART AND 4" (10 CM) ON CENTER OVER ENTIRE WIDTH OF THE CHANNEL. 12" (30 CM) APART IN A 6" (15 CM) DEEP X 6" (15 CM) INTERVALS A DOUBLE ROW OF STAPLES

PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP'S), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.

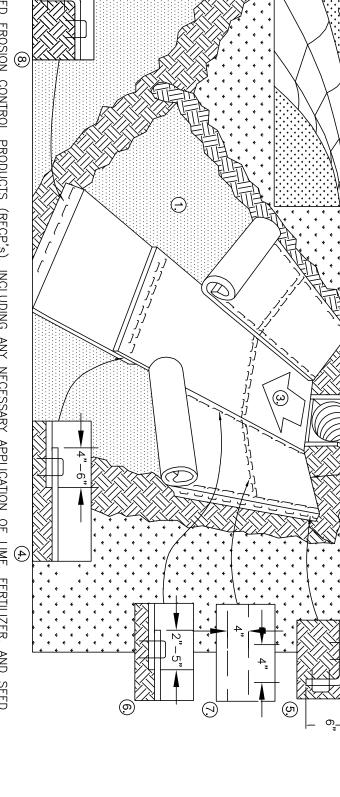
NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.

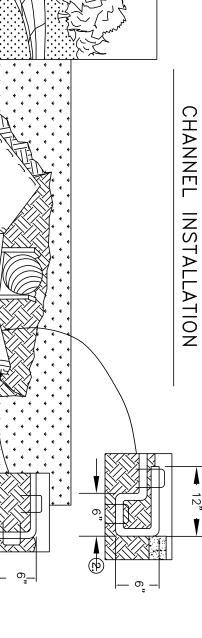
BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE RECP'S IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH WITH APPROXIMATELY 12" (30 CM) OF RECP'S BOTTOM OF THE TRENCH. BANCHOR THE TERCH. ANCHOR THE RECP'S WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TRENCH. BANCHOR THE TERCH. ANCHOR THE RECP'S WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) PORTION OF RECP'S BACK OVER SEED AND COMPACTED SOIL. SECURE RECP'S OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) PORTION OF RECP'S WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) PORTION OF RECP'S WITH A ROW OF STAPLES/STAKES SPACED APART IN THE RECP'S WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) PORTION OF RECP'S WILL UNROLL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) PORTION OF RECP'S WILL UNROLL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART AND A" (10 CM) STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN. APART AND A" (10 CM) OF SIDE SLOPES MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN A 6" (15 CM) WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.

DEEP X 6" (15 CM) WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.

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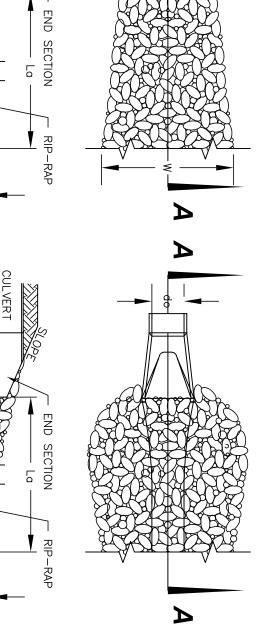




3. THE ROCK OR GRAVEL USED FOR FILTER OR RIP—RAP SHALL CONFORM TO TA GEOTEXTILE FABRICS SHALL BE PROTECTED FROM PUNCTURE OR TEARING DU ROCK RIP—RAP. DAMAGED AREAS IN THE FABRIC SHALL BE REPAIRED BY FOUND THE DAMAGED AREA OR BY COMPLETE REPLACEMENT OF THE FABRIC. ALL OR JOINING TWO (2) PIECES OF FABRIC SHALL BE A MINIMUM OF 12 INCHESS. STONE FOR THE RIP—RAP MAY BE PLACED BY EQUIPMENT AND SHALL BE CONTRIBUTED TO THE RIP—RAP MAY BE PLACED BY EQUIPMENT AND SHALL BE CONTRIBUTED.

RIP RAP APRON DIMENSION TABLE - 18" HDPE TO SED. FOREBAY #1





PIPE OUTLET PROTECTION DETAIL

MAINTENANCE NOTES:

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

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

3. THE DOWNSTREAM CHANNEL SHOULD BE KEPT CLEAR OF OBSTRUCTIONS SUCH AS FALLEN TREES, 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 THE OUTLET PROTECTION APRON.

INSTRUCTED TO THE FULL LAYER GREGATION OF THE STONE SIZES. ANY EROSION OR

CONSTRUCTION SPECIFICATIONS:

1. PREPARE THE SUB-GRADE FOR THE FILTER MATERIAL, GEOTEXTILE FABRIC, A ON THE PLANS.

2. MINIMUM 6" SAND/GRAVEL BEDDING OR GEOTEXTILE FABRIC (MIRAFI 140N OF

WO | W | L

SECTION A-A RIP-RAP GRADATION GEOTEXTILE FABRIC (MIRAFI 140N OR EQUAL) (PIPE OUTLET CTION A-A

2. PROVIDE NECESSARY SWALES OR DIVERSIONS TO MINIMIZE DIR FLOW OF WATER ONTO STONE AREA. CONSTRUCTION ENTRANCE SHALL BE MAINTAINED AS NECESSARY TO EMOVE SILT FROM TIRES PRIOR TO ENTERING PUBLIC ROADS. A MALL SWALE SHALL BE CONSTRUCTED ON THE DOWN GRADIENT TRAP ANY SILT WASHED FROM THE STONE ENTERANCE.

STABILIZED CONSTRUCTION ENTRANC

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DETAIL

PLAN VIEW

MATCH EXISTING WIDTH

PROFILE

STABILIZED CONSTRUCTION ENTRANCE NOTES:

1. GRADE AND COMPACT ACCESS ROAD ENTRANCE AS NECESSARY PLACE FILTER FABRIC (MIRAFI OR EQUAL) AND PLACE 6" OF 3 CRUSHED STONE TO MATCH SLOPE OF EXISTING ROAD.

JOB:

16-075

CONSTRUCTION DETAILS prepared for

GREG SANCOFF TAX MAP 11 LOT 34-1 27 DURHAM POINT ROAD DURHAM, NH

SEATHEW HAZE DATE: 7/20/17 MICHAEL SCALE: AS SHOWN DESIGNED BY: MS SIEVERT No. 8397 DRAWN BY: APPROVED BY: MJS DWG FILE: 16-075 Details B cup plant

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18	PO.	SUBMISSION TO NHDES AOT BUREAU	7/20/17	MS
	NO.	REVISIONS	DATE	INT.
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E-MAIL: MJS@MJS-ENGINEERING.COM