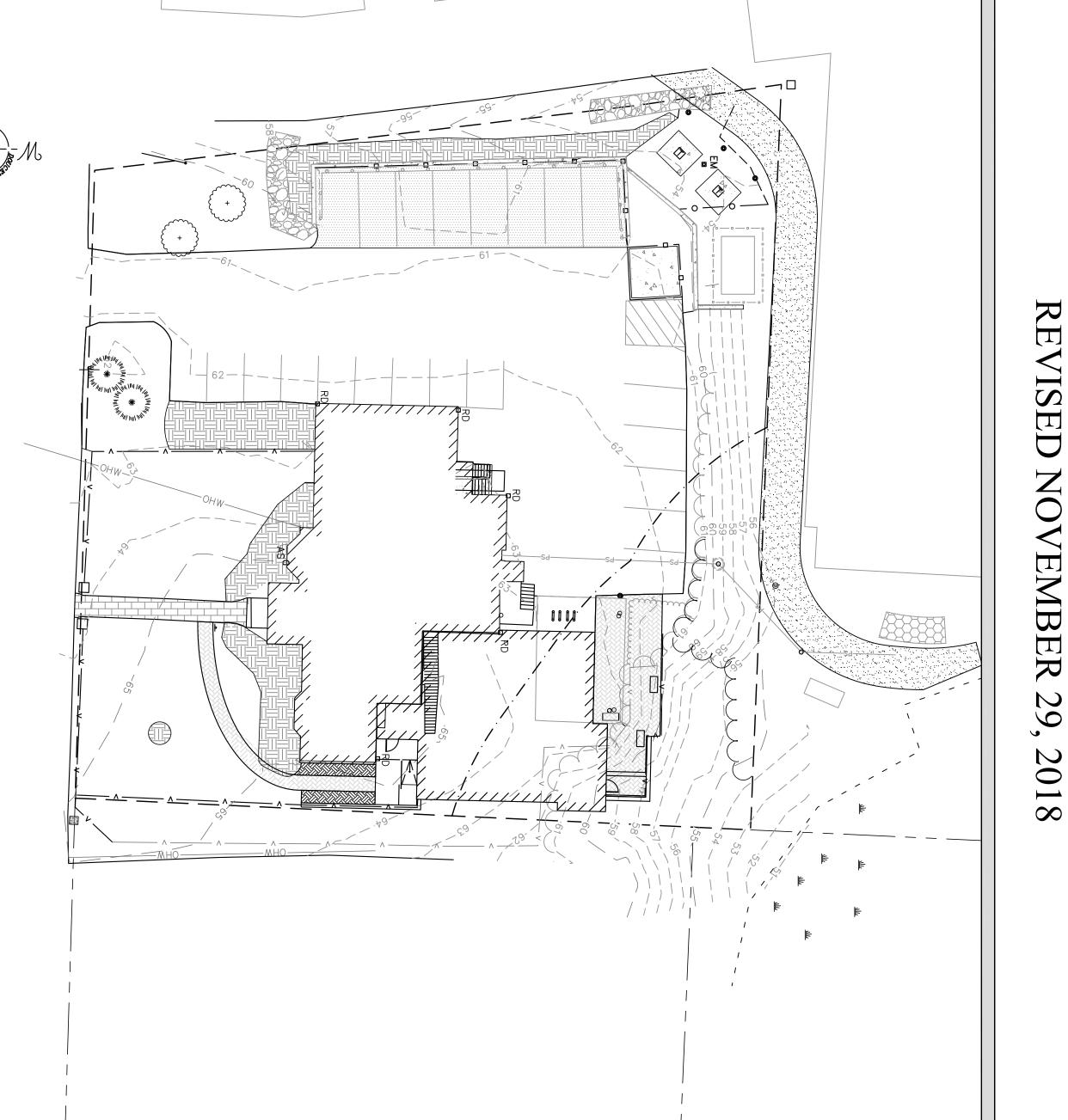


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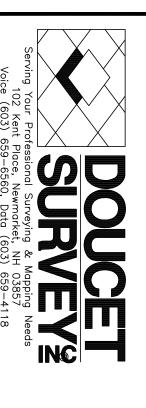
APPA DELTA

DURHAM, NH



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A4.1-A4.3	A3.1-A3.5	A1.1	: : :	D1-D3			· · ·	SHEET



**SURVEYOR** 

ALPHA SIGMA HOUSE CORP. ( KAPPA DELTA SORORITY C/O IN DEMAND REALTY PO BOX 9 SOMERSWOTH, NH 03878 S.C.R.D. 1859, PAGE 0532

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CIVIL ENGINEER

ENGINEERING, P.C.
CIVIL • STRUCTURAL • ENVIRONMENTAL
5 RAILROAD ST., P.O. Box 359

OWNER

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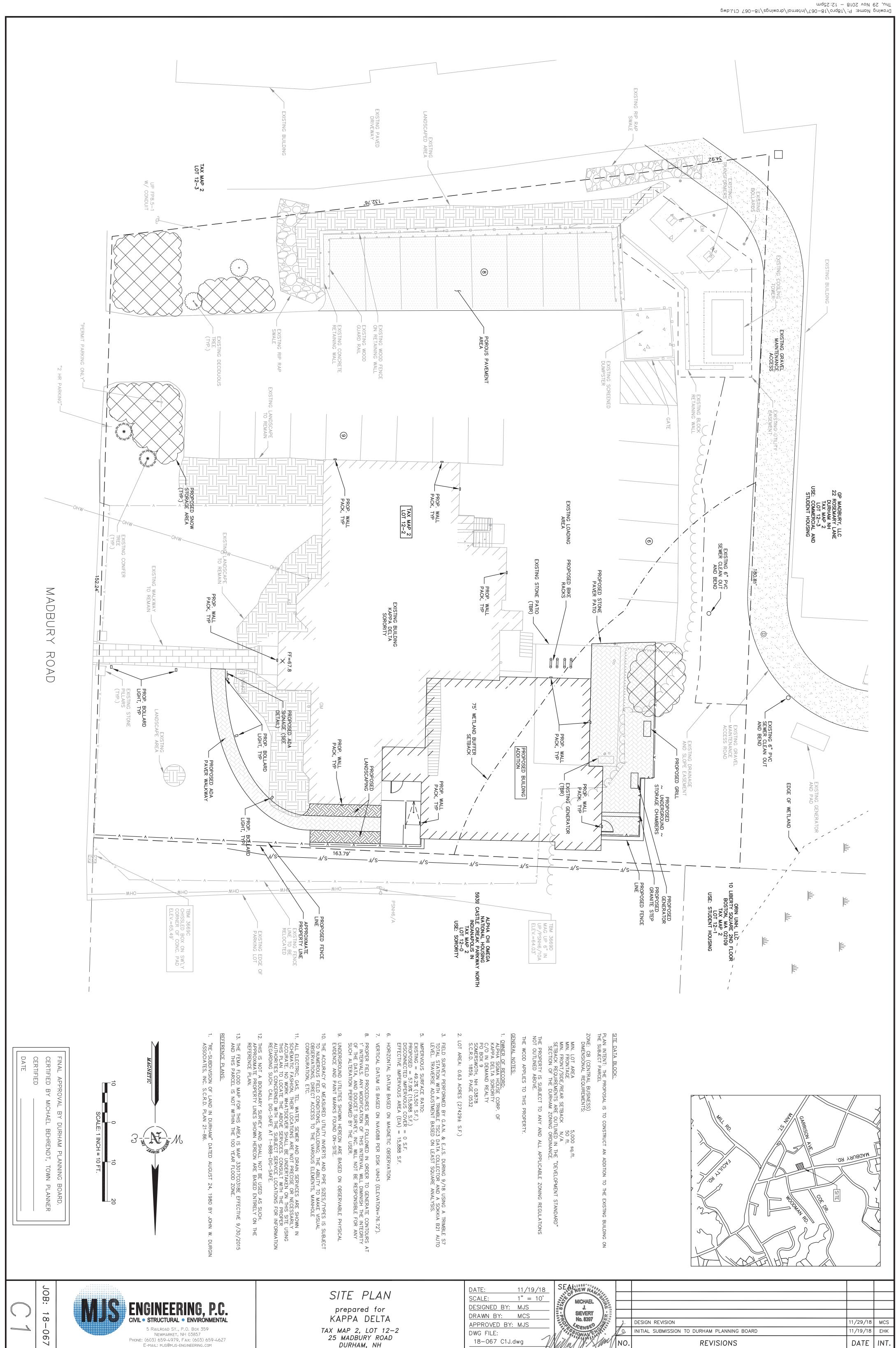
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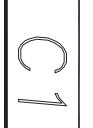
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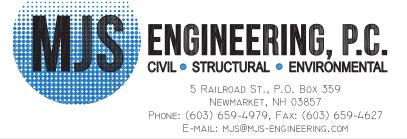
DOVER, NH 03820

PHONE: 603-743-3700

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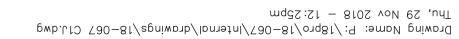


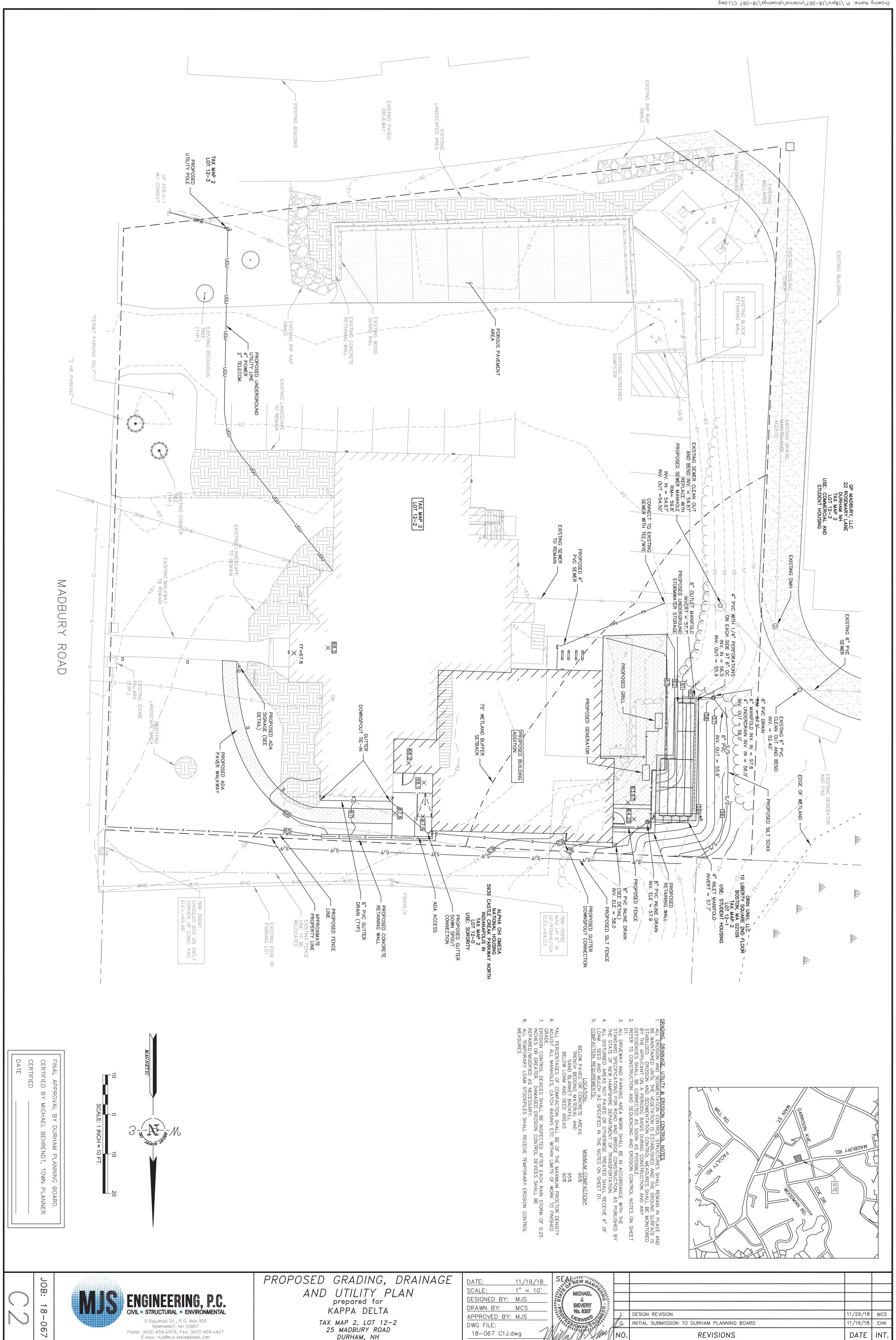


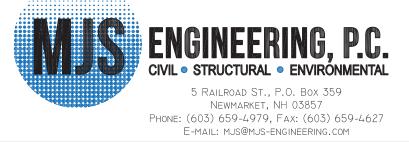
TAX MAP 2, LOT 12-2 25 MADBURY ROAD DURHAM, NH

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TAX MAP 2, LOT 12-2 25 MADBURY ROAD DURHAM, NH

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## CONSTRUCTION SEQUENCING AND EROSION CONTROL NOTES:

BEFORE THE AREA IS STABILIZED.

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

B.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;

B.2. IN AREAS NOT TO BE PAVED

B.2.1. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;

B.2.2. A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIPRAP HAS BEEN INSTALLED;

B.2.3. EROSION CONTROL BLANKETS HAVE BEEN INSTALLED IN ACCORDANCE WITH ENV-WQ 1506.03.

C. ALL DISTURBED AREAS SHALL BE TEMPORARILY STABILIZED WITHIN 45 DAYS AND PERMANENTLY STABILIZED NO LATER THAN 3 DAYS AFTER FINAL GRADING. SHALL BE DISTURBED DURING CONSTRUCTION, BUT IN NSTABILIZED SOIL EXCEED 5 ACRES AT ANY ONE TIME

ROSION CONTROL PRACTICES

INST,
DETAIL
ON
B. INSPF
B.1. PECTION INSPECT ALL EROSION CONTROLS WEEKLY AND AFTER EVERY RAIN EVENT OF 0.25 INSPECT ALL EROSION CONTROLS WEEKLY AND AFTER EVERY RAIN EVENT OF 0.25 INCHES OR GREATER UNLESS OTHERWISE NOTED.

TEMPORARY STABILIZATION PRACTICES SHALL BE INSPECTED ONCE PER WEEK DURING CONSTRUCTION UNTIL EXPOSED SURFACES ARE STABILIZED.

ANY SIGNS OF RILL OR GULLY EROSION SHALL BE IMMEDIATELY REPAIRED. ÄLL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED ONCE 85% VEGETATIVE COVER HAS BEEN ESTABLISHED.
AFTER REMOVAL, ALL DISTURBED AREAS SHALL BE REGRADED, FERTILIZED, AND RESEEDED. MONITOR TO ENSURE VEGETATIVE GROWTH IS ESTABLISHED AND REPAIR AS NEEDED UNTIL MINIMUM OF 85% VEGETATIVE COVER IS ESTABLISHED. AIN EROSION CONTROLS PER THE TYPICAL DETAILS AND IN CONFORMANCE THE EROSION AND SEDIMENT CONTROL NOTES ON THIS PAGE. L ALL EROSION CONTROLS AS SHOWN ON THE GRADING PLAN, TYPICAL S, AND IN CONFORMANCE WITH THE EROSION AND SEDIMENT CONTROL NOTES HIS PAGE. MANUFACTURER'S SPECIFICATIONS SHALL BE FOLLOWED.

A. SHALL BE UTILIZED BETWEEN NOVEMBER 30TH AND MAY 1ST. THE AREA OF EXPOSED, UNSTABILIZED SOIL SHALL BE LIMITED 10 1 ACRE AND SHALL BE PROTECTED AGAINST EROSION BY THE FOLLOWING METHODS PRIOR TO ANY THAW OR SPRING MELT EVENT.

B. ALL PROPOSED VEGETATED AREAS HAVING A SLOPE OF LESS THAN 15% WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY NOVEMBER 30TH, OR WHICH ARE DISTURBED AFTER NOVEMBER 30TH, SHALL BE SEEDED AND COVERED WITH 3-4 TONS OF HAY OR STRAW MULCH PER ACRE SECURED WITH ANCHORED NETTING OR TACKIFIER, OR 2 INCHES OF EROSION CONTROL MIX MEETING, THE FOLLOWING CRITERIA, B.1. THE MIX SHALL HAVE AN ORGANIC PORTION BETWEEN 25% AND 65%, DRY WIND AND BARK CHIPS, GROUND CONSTRUCTION DEBRIS, OR REPROCESSED WOOD AND BARK CHIPS, GROUND CONSTRUCTION DEBRIS, OR REPROCESSED WOOD PRODUCTS:

B.2. WOOD AND BARK CHIPS, GROUND CONSTRUCTION DEBRIS, OR REPROCESSED WOOD AND BARK CHIPS, GROUND CONSTRUCTION DEBRIS, OR REPROCESSED WOOD AND BARK CHIPS, GROUND CONSTRUCTION DEBRIS, OR REPROCESSED WOOD AND BARK CHIPS, GROUND CONSTRUCTION DEBRIS, OR REPROCESSED WOOD AND BARK CHIPS, GROUND CONSTRUCTION DEBRIS, OR REPROCESSED WOOD AND BARK CHIPS, GROUND CONSTRUCTION DEBRIS, OR REPROCESSED WOOD AND SORT ON THE ORGANIC MATERIAL;

B.3. THE MIX SHALL HAVE A PARTICLE SIZE BY WEIGHT OF 100% PASSING A 3-INCH SCREEN, AND 30% TO 75% PASSING A 0.25 INCH SCREEN;

B.5. THE MIX SHALL BE BETWEEN 5.0 AND 8.0;

C. ALL PROPOSED VEGETATICE AREAS HAVING A SLOPE GREATER THAN 15% WHICH DAY MITH A PROPERLY INSTALLED AND ANCHORED EROSION CONTROL BLANKET OR WITH A PROPERLY INSTALLED AND ANCHORED EROSION CONTROL BLANKET OR WITH A MINIMUM 4 INCH THICK NESS OF EROSION CONTROL BLANKET OR WITH A MINIMUM 4 INCH THICK NESS OF EROSION CONTROL MIX MEETING THE CRITERIA SPECIFIED IN (B)(1-5) SHALL NOT OCCUR OVER SNOW OF GREATER THAN 1 NOTH DEPTH OR ON FROZEN GROUND.

ALLATION OF EROSION CONTROL BLANKETS SHALL NOT OCCUR OVER SNOW OF ALLATION OF EROSION CONTROL BLANKETS SHALL NOT OCCUR OVER SNOW OF ATER THAN 1 INCH IN DEPTH OR ON FROZEN GROUND.

PROPOSED STABILIZATION IN ACCORDANCE WITH (A) OR (B) SHALL BE COMPLETED PROPOSED STABILIZATION IN ACCORDANCE WITH (A) OR (B) SHALL BE COMPLETED IN A DAY OF ESTABLISHING THE GRADE THAT IS FINAL OR THAT OTHERWISE WILL THAT FOR MORE THAN 5 DAYS.

DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE WITH BY NOVEMBER 30TH, OR WHICH ARE DISTURBED AFTER NOVEMBER 30TH, LET BE STABILIZED WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR DESIGN FLOW CONDITIONS.

PROVEMBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES WHERE ACTIVE STRUCTION OF THE ROAD OR PARKING AREA HAS STOPPED FOR THE WINTER SON SHALL BE PROTECTED WITH A MINIMUM 3-INCH LAYER OF BASE COURSE SON SHALL BE PROTECTED WITH A MINIMUM 3-INCH LAYER OF BASE COURSE SON SHALL BE PROTECTED WITH A MINIMUM 3-INCH LAYER OF BASE COURSE SON SHALL BE PROTECTED WITH A MINIMUM 3-INCH LAYER OF BASE COURSE SON SHALL BE PROTECTED WITH A MINIMUM 3-INCH LAYER OF BASE COURSE SON SHALL BE PROTECTED WITH A MINIMUM 3-INCH LAYER OF BASE COURSE SON SHALL BE PROTECTED WITH A MINIMUM 3-INCH LAYER OF BASE COURSE SON SHALL BE PROTECTED WITH A MINIMUM 3-INCH LAYER OF BASE COURSE SON SHALL BE PROTECTED WITH A MINIMUM 3-INCH LAYER OF BASE COURSE SON SHALL BE PROTECTED WITH A MINIMUM 3-INCH LAYER OF BASE COURSE SON SHALL BE PROTECTED WITH A MINIMUM 3-INCH LAYER OF BASE COURSE SON SHALL BE PROTECTED WITH A MINIMUM 3-INCH LAYER OF BASE COURSE SON SHALL BE PROTECTED WITH A MINIMUM 3-INCH LAYER OF BASE COURSE SON SHALL BE PROTECTED WITH A MINIMUM 3-INCH LAYER OF BASE COURSE SON SHALL BE PROTECTED WITH A MINIMUM 3-INCH LAYER OF BASE COURSE SON SHALL BE PROTECTED WITH A MINIMUM 3-INCH LAYER OF BASE COURSE SON SHALL BE PROTECTED WITH A MINIMUM 3-INCH LAYER OF BASE COURSE SON SHALL BE COURS

A. SITE PREPARATION

A.1. INSTALL EROSION AND SEDIMENT CONTROL MEASURES AS SPECIFIED ABOVE.

A.2. ENSURE RUNOFF IS DIVERTED FROM SEEDED AREA.

A.3. ON SLOPES OF 4:1 OR STEEPER, CREATE HORIZONTAL GROOVES PERPENDICULAR

TO THE DIRECTION OF THE SLOPE TO CATCH SEED AND REDUCE RUNOFF.

B. SEED BED PREPARATION

B.1. REMOVE STONES AND TRASH FROM AREA TO BE SEEDED.

B.2. COMPACTED SOIL SHALL BE LOOSENED TO A DEPTH OF 2 INCHES BEFORE

APPLYING FERTILIZER, LIME, AND SEED.

B.3. LOW PHOSPHATE, SLOW RELEASE NITROGEN OR LIMESTONE SHALL BE USED. APPLY

10-0-10 LOW PHOSPHATE FERTILIZER AT A RATE OF 600 LBS PER ACRE. APPLY

LIMESTONE (EQUIVALENT TO 50 PERCENT CALCIUM PLUS MAGNESIUM OXIDE)

AT A RATE OF 3 TONS PER ACRE.

C. SEEDING

C.1. SEED PER THE FOLLOWING RECOMMENDATIONS

DISPLACEMENT OF MULCH. REPAIR AS NE DISPLACEMENT OF MULCH. REPAIR AS NE UNTIL 85% VEGETATIVE COVER IS ESTABLIZEROSION CONTROL BLANKET OR MATTING REFER TO PLANS FOR TYPICAL EROSION CON PER MANUFACTURERS SPECIFICATIONS.

APPLICATION AND TIMING

2.1. DURING THE GROWING SEASON (APRIL 15 BASE OF GRASSED WATERWAYS, STEEP SIDISTURBED SOIL WITHIN 100 FEET OF LAIDISTURBED SOIL WITHIN 100 FEET OF LAIDISTURING THE LATE FALL AND WINTER (SEF ADDITION TO THOSE LISTED ABOVE USE WATERWAYS AND MODERATE SLOPES (GRE MAINTENANCE

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

PERENNIAL RYE

30

APPLICATION DATE

MIXTURE TYPE

C.2.1.4. C.2.1.5. C.2.1.3.

ADDITIONAL NOTES:

1. NO FUEL SHALL BE STORED ON SITE DURING CONSTRUCTION.

2. DURING CONSTRUCTION DUST SHALL BE PREVENTED FROM BECOMING A SAFETY OR IMPLEMENTATION OF ACCEPTED CONTROL METHODS SUCH AS WATERING.

3. ALL CONSTRUCTION MATERIALS THAT ARE SPILLED OR DEPOSITED ON THE PUBLIC R CONTRACTOR.

4. DO NOT BEGIN CONSTRUCTION UNTIL ALL LOCAL, STATE, AND FEDERAL PERMITS HAVE DOROUS PAYEMENT AND OTHER INFRASTRUCTURE SHALL RE PERFORMED BY A LITHOUT THE PORTOL OF WATER.

HEALTH HAZARD BY THE ROADWAYS SHALL BE REMOVED BY THE

POR.

BEGIN CONSTRUCTION UNTIL ALL LOCAL, STATE, AND FEDERAL PERMITS HAVE BEEN APPLIED FOR AND RECEIVED.

PECTIONS/OBSERVATION SERVICES FOR THE INSTALLATION OF WATER. WASTEWATER, STORMWATER MANAGEMENT,

PAVEMENT, AND OTHER INFRASTRUCTURE SHALL BE PERFORMED BY AUTHORIZED REPRESENTATIVES OF THE TOWN

PAWA AS STIPULATED BY THE DURHAM DEPARTMENT OF PUBLIC WORKS. THE DEVELOPER SHALL REIMBURSE THE

PART OF THE DEVELOPER SHALL REIMBURSE THE

PART OF PUBLIC WORKS.

C.2.2. C.2.2.1. LACEMENT OF BERM

PLACE BERM ALONG A LEVEL CONTOUR

12" HIGH ON THE UPHILL SIDE AND 2

AINTENANCE

INSPECT PERIODICALLY AND AUGMENT A

THICKNESS. REPLACE IF NO LONGER I UR. BERM MUST BE A MINIMUM OF 2 FEET WIDE. AS NEEDED TO MAINTAIN INITIAL FUNCTIONING AS INTENDED.

MEASURES FOR OVERWINIEK PROJECTION.

MAINTENANCE

1.1. TEMPORARY SEEDING SHOULD BE INSPECTED WEEKLY AND AFTER ANY RAINFALL EXCEEDING 1/2 INCH IN 24 HOURS ON ACTIVE CONSTRUCTION SITES. TEMPORARY SEEDING SHOULD ALSO BE INSPECTED JUST PRIOR TO SEPTEMBER 15, TO ASCERTAIN WHETHER ADDITIONAL SEEDING IS REQUIRED TO PROVIDE STABILIZATION OVER THE WINTER PERIOD.

2. BASED ON INSPECTION, AREAS SHOULD BE RESEEDED TO ACHIEVE FULL STABILIZATION OF EXPOSED SOILS. IF IT IS TOO LATE IN THE PLANTING SEASON TO APPLY ADDITIONAL SEED, THEN OTHER TEMPORARY STABILIZATION MEASURES SHOULD BE IMPLEMENTED.

3. AT A MINIMUM, 85% OF THE SOIL SURFACE SHOULD BE COVERED BY VEGETATION.

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

PPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTIPACKER TYPE SEEDER OR HYDROSEEDER (SLURRY INCLUDING SEED AND FERTILIZER).

10 ORMAL SEEDING DEPTH IS FROM 1/4 TO 1/2 INCH. HYDROSEEDING THAT INCLUDES INCH MAY BE LEFT ON SOIL SURFACE. SEEDING RATES MUST BE INCREASED 10% WHEN HYDROSEEDING.

10 SUPPLIANCE OF THE INCREASE OF THE SHOULD BETWEEN MAY 15TH AND AUGUST 15TH SHOULD BE COVERED WITH AREAS SEEDED BETWEEN MAY 15TH AND AUGUST 15TH SHOULD BE COVERED WITH AY OR STRAW MULCH. VEGETATED GROWTH COVERING AT LEAST 85% OF THE SISTURBED AREA SHOULD BE ACHIEVED PRIOR TO OCTOBER 15TH. IF THIS CONTROLLY OF THE STABILIZATION IS NOT ACHIEVED, IMPLEMENT OTHER TEMPORARY STABILIZATION PRONCE

PLACE IN THE LOCATIONS SHOWN ON THE PLAN. ADDITIONAL STOCKPILES MUST BE LOCATED 50 FEET FROM DITCHES AND CULVERT INLETS.

BE LOCATED 50 FEET FROM DITCHES AND CULVERT INLETS.

DIECTION OF STOCKPILES

PROTECT SOIL AND AGGREGATE STOCKPILES WITH TEMPORARY PERIMETER SEDIMENT PROTECT SOIL AND AGGREGATE STOCKPILES WITH SOCK.

COVER ACTIVE STOCKPILES WITH ANCHORED PROTECTIVE COVERING PRIOR TO EXPECTED STORM EVENTS.

INACTIVE STOCKPILES SHALL BE COVERED WITH ANCHORED TARPS OR TEMPORARILY SEEDED AND MULCHED PER THE TEMPORARY VEGETATION AND MULCHING NOTES ON THIS PAGE.

STOCKPILES THAT ARE A SOURCE OF DUST SHALL BE COVERED.

Work Area

Area to be Protec

material to meet Filtrexx® specifications . mpost material to be dispersed on site up slope from protected area

Compost

TSOXX DE

Filtrexx® SiltSoxx™ . (12" - 18" Typical)

2" x 2" Wooden Stake

®SiltSoxx™ Plan View

CERTIFIED

ВY

APPROVAL

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DURHAM PLANNING BOARD

INCLED ON SITE DURING CONSTRUCTION BY IMPLEMENTING THE NOTIFICATION BY IMPLEMENTING THE NOTIFICATION BY IMPLEMENTING THE NOTIFICATION BY IMPLEMENTING THE NOTIFICATION OF THE NOTIFICATION

H AARROW OR OTHER SUITABLE
H HARROW OR OTHER SUITABLE
TION SHOULD BE ON THE GENERAL
SONABLY UNIFORM, FINE SEEDBED IS
AND COARSE SANDS SHOULD BE
FEASIBLE.
2 INCHES OR LARGER IN ANY
SUCH AS WIRE, CABLE, TREE ROOTS,
HER UNSUITABLE MATERIAL.
IF TRAFFIC HAS LEFT THE SOIL
AND FIRMED AS ABOVE.
APPLYING FERTILIZER, LIME AND SEED.
A RATE OF 600 LBS PER ACRE. APPLY
A RATE OF 600 LBS PER ACRE. APPLY
CCALCIUM PLUS MAGNESIUM OXIDE) WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER.
LIGHTLY USED PARKING LOTS, ODD AREAS, UNUSED LANDS, AND LOW INTENSITY USE RECREATION SITES. STEEP CUTS AND DISPOSAL AREAS

FILLS,

SEED

MIXTURE

SELECTION

BASED

8

NOTE: POORLY DRAINED SOILS ARE NOT DESIRABLE

AY AREAS AND ATHLETIC FIELDS. ESSENTIAL FOR GOOD TURF.)

(TOP

WELL
DRAINED
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GOOD
EXCELLENT
GOOD
EXCELLENT
GOOD
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EXCELLENT

GOOD FAIR EXCELLENT GOOD EXCELLENT GOOD FAIR EXCELLENT EXCELLENT

PROFIL N.T.S

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FOR

AS

PLAYING

AREAS

FOR PERMANENT VEGETATION

C.4.

UNLESS OTHERWISE NOTED, GRASS SEED MIXTURE 'C' SHALL BE APPLIED AT THE SPECIFIED RATE AS NOTED IN THE 'SEED MIXTURES FOR PERMANENT VEGETATION' TABLE.

2.4. APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTIPACKER TYPE SEEDER OR HYDROSEEDER (SLURRY INCLUDING SEED AND FERTILIZER).

NORMAL SEEDING DEPTH IS FROM ¼ TO ½ INCH. HYDROSEEDING THAT INCLUDES MULCH MAY BE LEFT ON SOIL SURFACE. SEEDING OPERATIONS GRATES ON THE CONTOUR.

2.5. WHERE FEASIBLE, EXCEPT WHERE EITHER A CULTIPACKER TYPE SEEDER ON THE CONTOUR.

3.6. 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.

3.7. SLOPES MUST BE NO STEEPER THAN 2 TO 1.

3.8. 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.

3.9. SEEDING RATES MUST BE INCREASED 10% WHFN HYDROSCIPALING.

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.

B.1. B.1. A.1. APPLY PRIOR TO A STORM EVENT. CLOSELY MONITOR THE WEATHER TO HAVE ADEQUATE WARNING OF SIGNIFICANT STORMS.

A.2. MULCHING WITHIN A SPECIFIED TIME PERIOD FROM ORIGINAL SOIL EXPOSURE A.2.1. WITHIN 100 FEET OF WETLANDS THE TIME PERIOD SHOULD BE NO GREATER THAN 7 DAYS.

A.2.2. IN OTHER AREAS IT SHALL BE NO GREATER THAN 14 PARCEL TEMPORARY MULCHING

B.1. HAY OR STRAW MILLOUGH BE NO GREATER THAN 14 PARCEL BE NO GREATER THAN 15 PARCEL BE NO GREATER THAN 15 PARCEL BE NO GREATER B

B.1.3. B.1.3.1. B.1.2. B.1.3.2. 000 SF (70—90 POUNDS) OR 1.5—2.0 GROUND. TRAW SHALL BE NED, FREE OF

WOOD FIBER, OR BIODEGRADABLE NUFACTURER'S SPECIFICATIONS.

SANIC TACKIFIER TO ANCHOR HAY OR ACTURER'S SPECIFICATIONS. TYPICAL SACRE FOR POLYMER MATERIAL AND

UID.

OF 4 INCHES OR DOUBLE THE
THAT IF SEEDING IS NECESSARY,
THE AREA SEEDED AND MULCHED IN

CONTROL MATTING DETAIL. IN STORMS FOR RILLS OR NECESSARY. CONTINUE INSPECTIONS ABLISHED. INSTALL 1 12.1 10.

OT PERIODICALLY AND BEFORE AI CT WITH THE SOIL UNTIL 85% V AND RESTAPLE AS NECESSARY. HING PRIL 15 — SEPTEMBER 15) USE ON THE TEEP SLOPES (15% OR GREATER), ANY OF LAKES, STREAMS, AND WETLANDS. ER (SEPTEMBER 15 — APRIL 15) IN USE ON SIDE SLOPES OF GRASSED ES (GREATER THAN 8%). AND AFTER STORM EVENTS TO ENSURE VEGETATIVE COVER IS ESTABLISHED.

0  $\varpi$  $\triangleright$ Ш  $\Box$ CREPPING RED FESCUE KENTUCKY BLUEGRASS TOTAL TALL FESCUE CREEPING RED FESCUE <u>REDTOP</u> TOTAL TALL FESCUE CREEPING RED FESCUE BIRDSFOOT TREFOIL TOTAL TALL FESCUE CREEPING RED FESCUE CROWN VETCH TALL FESCUE FLATPEA TOTAL NDS PER ACRE 

0.45 0.45 0.05 0.95 0.25 0.25 0.35 0.35 0.35 0.45 0.45 0.45 0.45 0.45 0.45 0.45 0.20 1.10 0.45 0.75 0.75 0.20 1.10

**TABILIZE** 

CONSTRUCTION ENTRANCE

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TAIL

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AN VIEW

10,

THE ESTIMATED START OF CONSTRUCTION IS FEBRUARY 1, 2019 AND FOLLOWING CONSTRUCTION SEQUENCING SHALL BE FOLLOWED; THE ESTIMATED END OF

A PRE-CONSTRUCTION MEETING WITH ALL PARTIES AS REQUIRED BY CONDITIONS OF APPROVAL.

DIG-SAFE, INDIVIDUAL UTILITIES, AND TOWN DEPARTMENTS TO GET ALL UTILITIES DISCONNECTED PRIOR TO START OF STION. PROPERLY DISCONTINUE SERVICES OR TEMPORARILY CAP SERVICES IN ACCORDANCE WITH TOWN REQUIREMENTS.

CONTACT BUILDING DEMOLITION CONTRACTOR AND HAVE DUILDING OPERATIONS.

SEDIMENT AND EROSION CONTROLS SHALL BE INSTALLED PRIOR TO EARTH MOVING OPERATIONS.

SEDIMENT AND EROSION CONTROLTON SAFETY FEINCE IN ACCORDANCE WITH PLANS, AND ABUTTERS.

INSTALL TEMPORARY CONSTRUCTION SAFETY FEINCE IN ACCORDANCE WITH PLANS, AND ABUTTERS.

INSTALL TEMPORARY CONSTRUCTION OF BUILDING AS REQUIRED AND DISPOSE OF ALL DEMOLITION MATERIAL AT OFFSITE APPROVED DEMOLITION CONSTRUCT AND SYABILIZE ALL TEMPORARY EROSION CONTROLS INCLUDING CONSTRUCTION ENTRANCES, SWALES AND SEDIMENTATION CONSTRUCT AND SYABILIZE ALL TEMPORARY EROSION CONTROLS INCLUDING CONSTRUCTION ENTRANCES, SWALES AND SEDIMENTATION CONFLICTING CONSTRUCT AND TEMPORARY SEDIMENT BASIN MAY BE REQUIRED FOR CONSTRUCTION OF THE UNDERGROUND TREATMENT SYSTEM.

BASINS IF REQUIRED, A TEMPORARY SEDIMENT BASIN MAY BE REQUIRED FOR CONSTRUCTION OF THE ADDITION PRIOR TO COMPLETING CONSTRUCTION OF THE UNDERGROUND TREATMENT SYSTEM.

GRADE ONLY WITHIN THE LIMITS AS SHOWN ON THE PLANS. TOTAL SITE DISTURBANCE DEPICTED ON THESE PLANS IS 108,000 SOURCE FET.

STABILIZED WITHIN 45 DAYS AND FERMANENTLY STABILIZED NO LATER THAN 3 DAYS AFTER FINAL GRADING. REFER TO SECTION 4.13.

FOR STABILIZATION REQUIRED AND ESTINGS. STABILIZE IN ACCORDANCE WITH SECTION 4.3.

STRIP TOP SOIL AND STOCKFILE FOR REUSE.

STABILIZED WITHIN 15 DETAILED CONSTRUCTION PLANS. THIS WORK SHALL BE COMPLETED IN ACCORDANCE WITH SITE PLANS AND STRUCTURAL PLANS.

COMPLETE ALL INSPECTIONS AND TESTING AS REQUIRED PRIOR TO BACKFILLUE.

SCHOMETURATION OF THE DEFINITION DEALINGS. SYSTEM IN ACCORDANCE WITH THE PLANS SHALL BE COMPLETED IN ACCORDANCE WITH THE DEFINITION ADDITION ADDITION.

AND SIDEWALK CONSTRUCTIONS.

SOURCE TO SHAPE TO AND THE PLANS. SHOWN ON THE PLANS AND DEPAILS.

SOURCE TO SHAPE TO UNDERGROUND DRAINAGE SYSTEM IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS AND MANUFACTURERS AND STRIBULZE PRIOR TO RECEIVE RUMBER BY REMOVAL. THE APPROXIMATE DATE FOR THE ADDITION ADDITION ADDITION ADDITION ADDITION ADDITION ADDITION ADDITION

NOTES:

ROAD ENTRANCE AS NECESSARY.
1 140N OR EQUAL) AND PLACE 6"
SLOPE OF EXISTING ROAD.
OR DIVERSIONS TO MINIMIZE DIRECT
F ARFA

CT SAND BACKFILL	42"		_
(1) SAND	SAND   3"-	SUITABLE FILL	FINISH GRADE
12"	12"	12"	
	3 TELEPHONE	2 CATV	① POWER

SEE NOTES 1 & 2	SELECT SAND BACKFILL	42"		-
PRIMARY SECONDARY 6	SAND	SAND	SUITABLE FILL	- FINIUH GRAUE
<b>ರ</b> ್ಶ	12"	12"	12"	
		3 TELEPHONE	2 CATV	1 POWER

	SEE NOTES 1 & 2	SELECT SAND BACKELL	42"		
18" MIN.	PRIMARY SECONDARY 6	SAND	3 SAND $3$	SUITABLE FILL	
	6"	12"	12"	12"	
			3 TELEPHONE	2 CATV	1) POWER

6" DIA. (TYP.) ————	CONCRETE SONITUBE	3/8"	3'	90.	6"\$ PLATE — 2'-0 1/2" —	
	A					
	4. PLATE: ASTM 136 % INCH THICK PLATE WITH THREE 3 INCH DIA. HOLES AT 120 DEGREE SPACING.  5. BOLT: DRIVE TYPE ANCHOR BOLT MADE OF ZINC PLATED AISI 1038 HEAT TREATED CARBON STEEL, ½ INCH DIA. BY 3 INCHES LONG.  6. CONCRETE STRENGTH TO BE 3,000 PSI AT 28 DAYS.	NOTE:  1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS  2. ALL STEEL MEMBERS SHALL BE COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING. 3. PIPE: ASTM A53 GRADE B STANDARD WEIGHT STEEL	TYPICAL BIKE RACK DETAIL	2"ø STANDARD WEIGHT STEEL PIPE (TYP.)	HREE ¾"Ø HOLES,	3/8" THICK PLATE WITH

E-MAIL: MJS@MJS-ENGINEERING.COM

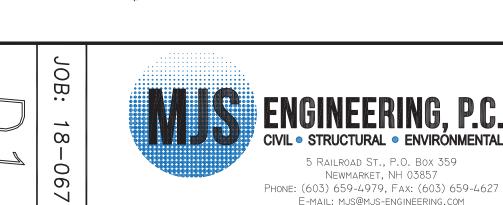
CONSTRUCTION DETAILS

prepared for KAPPA DELTA DATE: 11/19/18 1" = 10' SCALE: DESIGNED BY: MJS DRAWN BY: MCS APPROVED BY: MJS DWG FILE: 18-067 C1J.dwg

NEW HA	900	
MICHAEL	O'HING	
SIEVERT	ER - Sunn	
		1
/ N.X	Just	N
	MICHAEL J. SIEVERT No. 8397	MICHAEL SIEVERT

CONSTRUCTION ENTRANCE SHALL BE MAINTAINED AS NECESSARY TO REMOVE SILT FROM TIRES PRIOR TO ENTERING PUBLIC ROADS. A SMALL SWALE SHALL BE CONSTRUCTED ON THE DOWN GRADIENT SIDE TO TRAP ANY SILT WASHED FROM THE STONE ENTRANCE.

INITIAL SUBMISSION TO DURHAM PLANNING BOARD 11/19/18 NO **REVISIONS** DATE



TELEPHONE

CABLE,

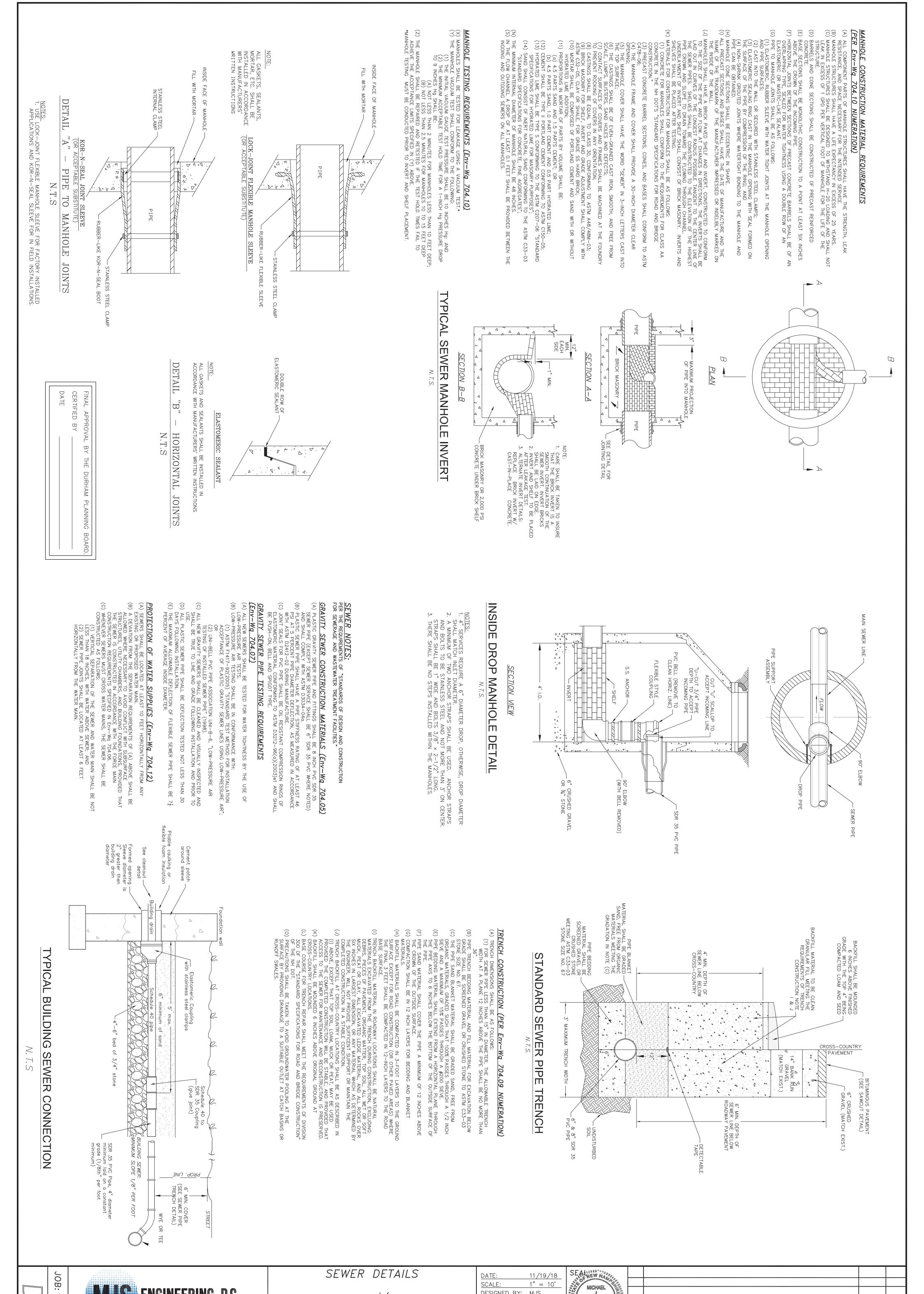
**ELECTRIC** 

TRENCH

Ŭ 7

TAX MAP 2, LOT 12-2 25 MADBURY ROAD

DURHAM, NH



1" = 10'

SIEVERT No. 8397

CENSED

// NO

INITIAL SUBMISSION TO DURHAM PLANNING BOARD

**REVISIONS** 

11/19/18

DATE

MJS

MCS

SCALE:

prepared for

KAPPA DELTA

TAX MAP 2, LOT 12-2 25 MADBURY ROAD

DURHAM, NH

DESIGNED BY:

APPROVED BY: MJS

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DRAWN BY:

DWG FILE:

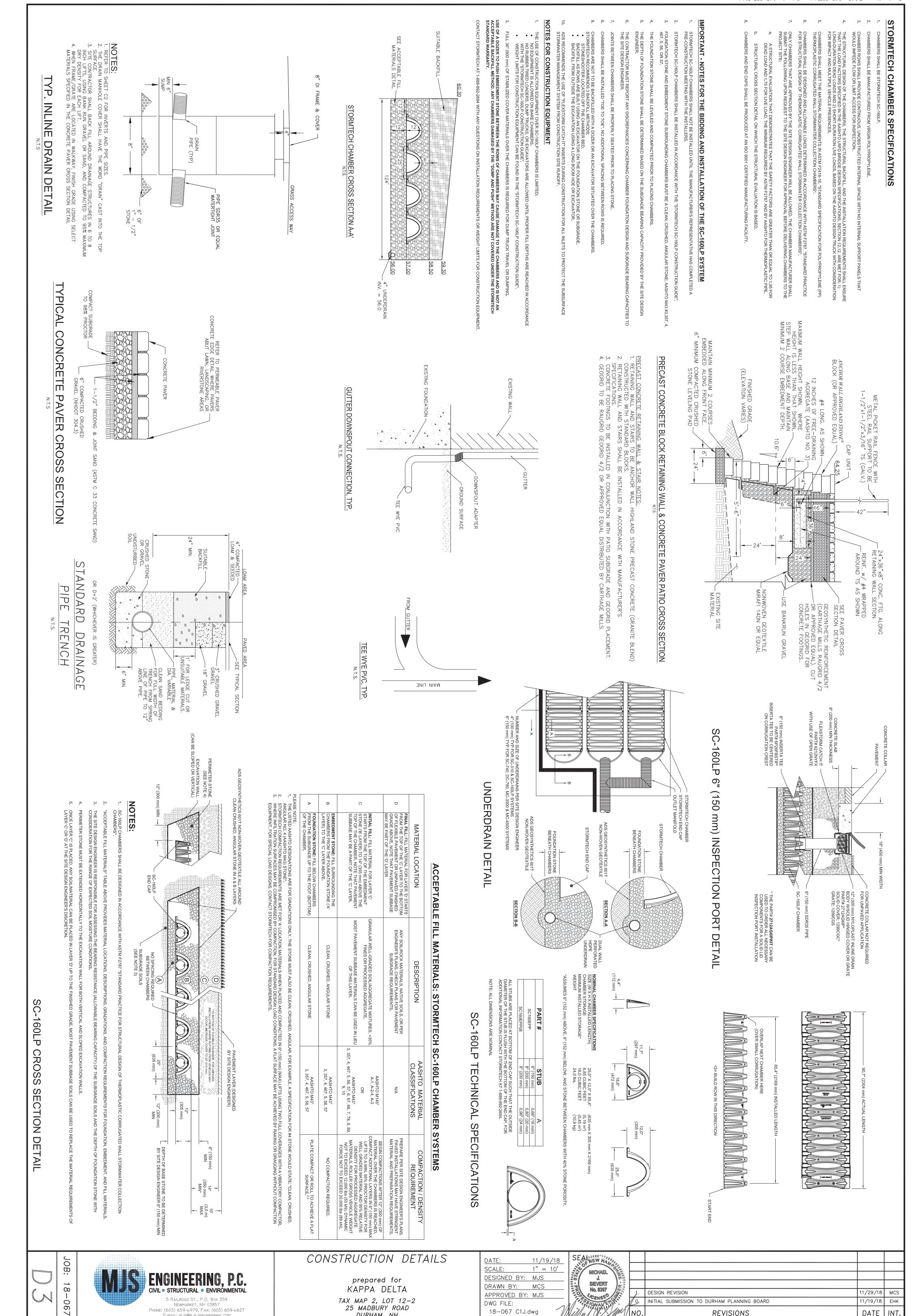
ENGINEERING, P.C.

CIVIL • STRUCTURAL • ENVIRÓNMENTAL

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18-067



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DURHAM, NH

E-MAIL: MJS@MJS-ENGINEERING.COM

//NO

**REVISIONS** 

DATE

