

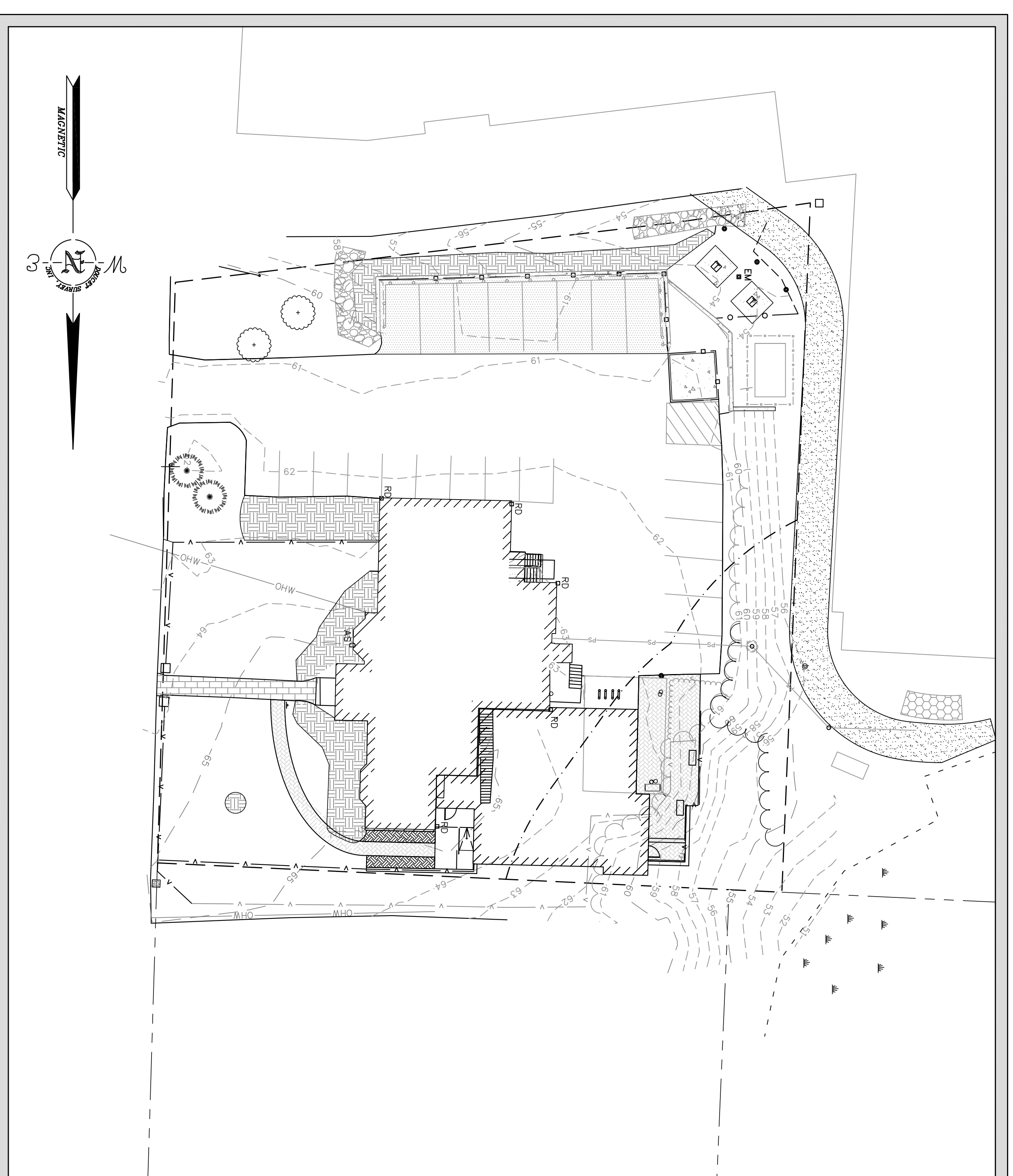
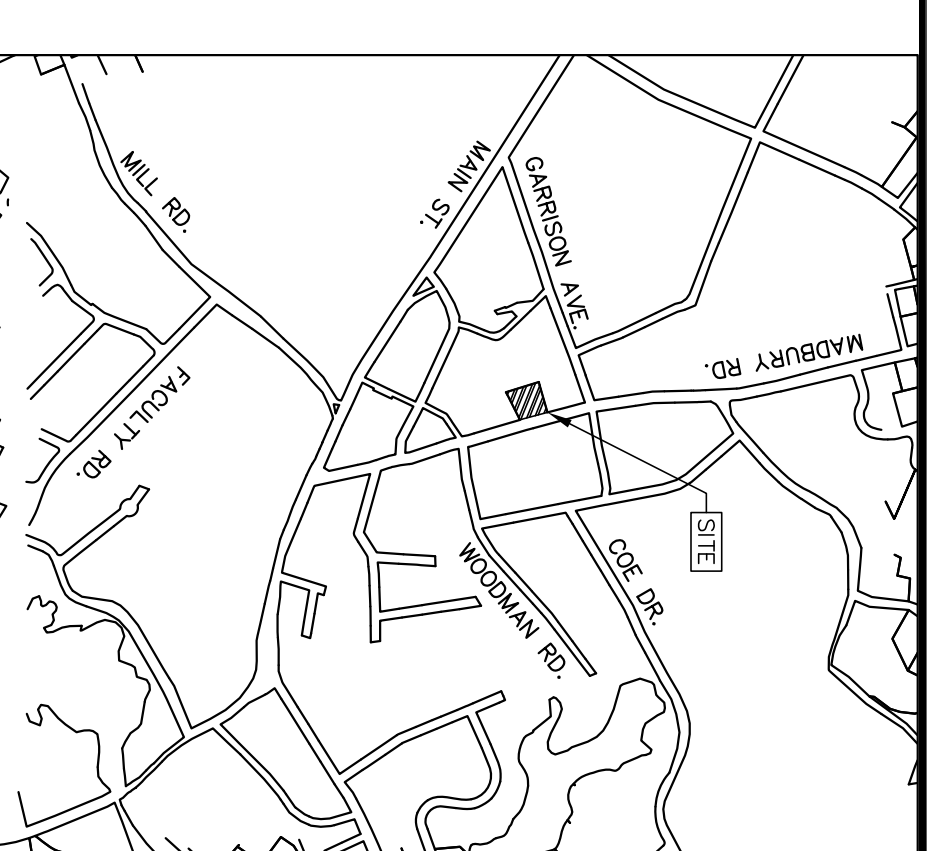
SITE PLAN

for

KAPPA DELTA

25 MADBURY DRIVE
DURHAM, NH

REVISED NOVEMBER 29, 2018



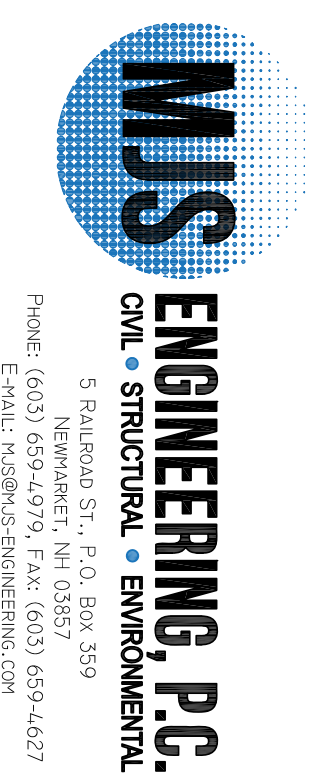
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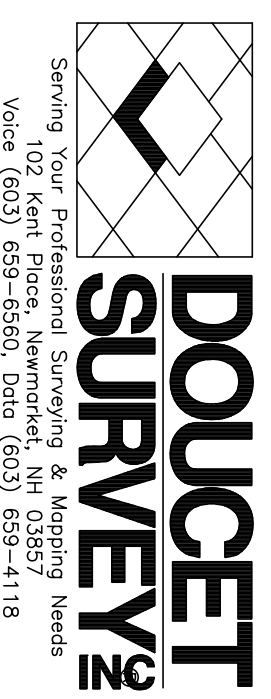
OWNER

ALPHA SIGMA HOUSE CORP. OF
KAPPA DELTA SOCIETY
C/O IN DEMAND REALTY
PO BOX 8
PETERBOROUGH, NH 03308
S.C.R.D. 1989, PAGE 0032

CIVIL ENGINEER



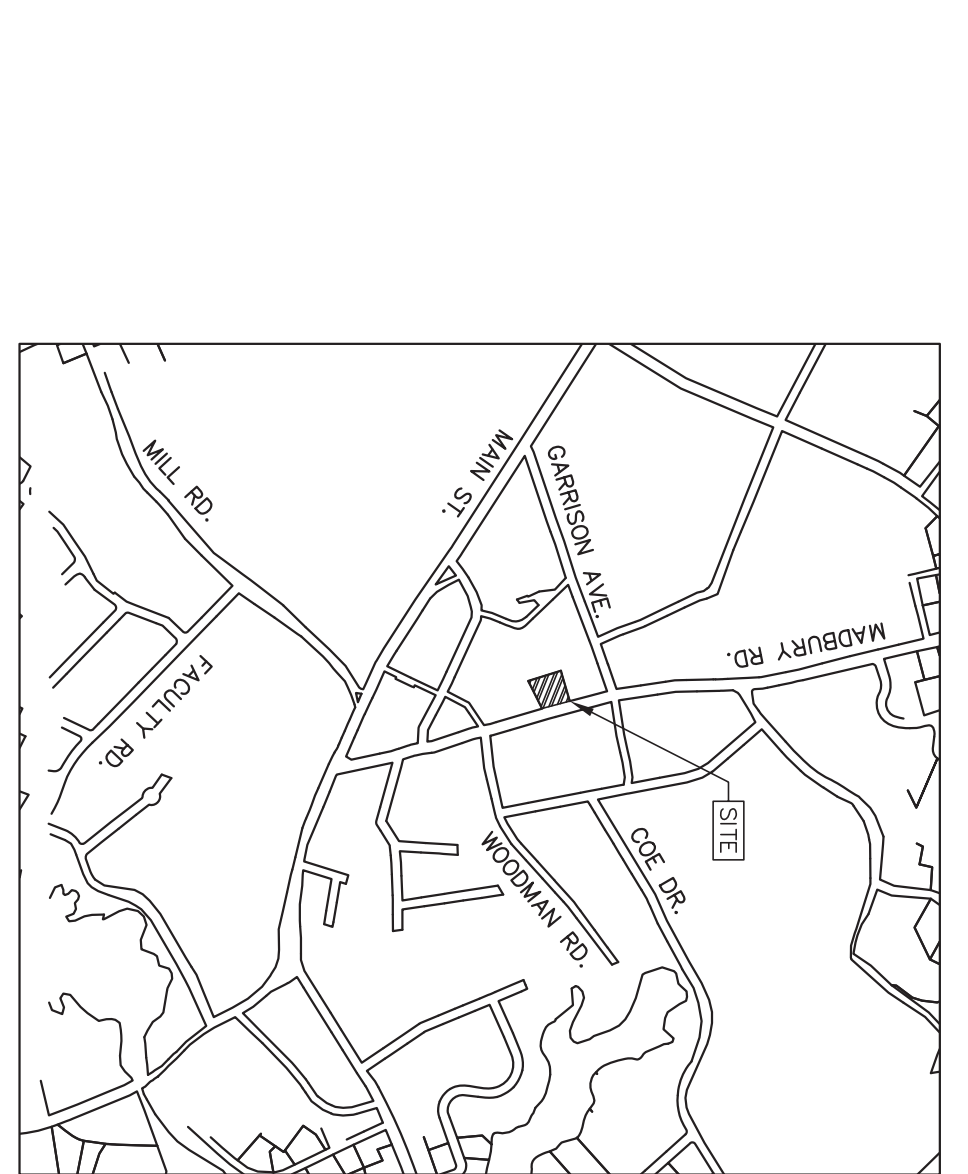
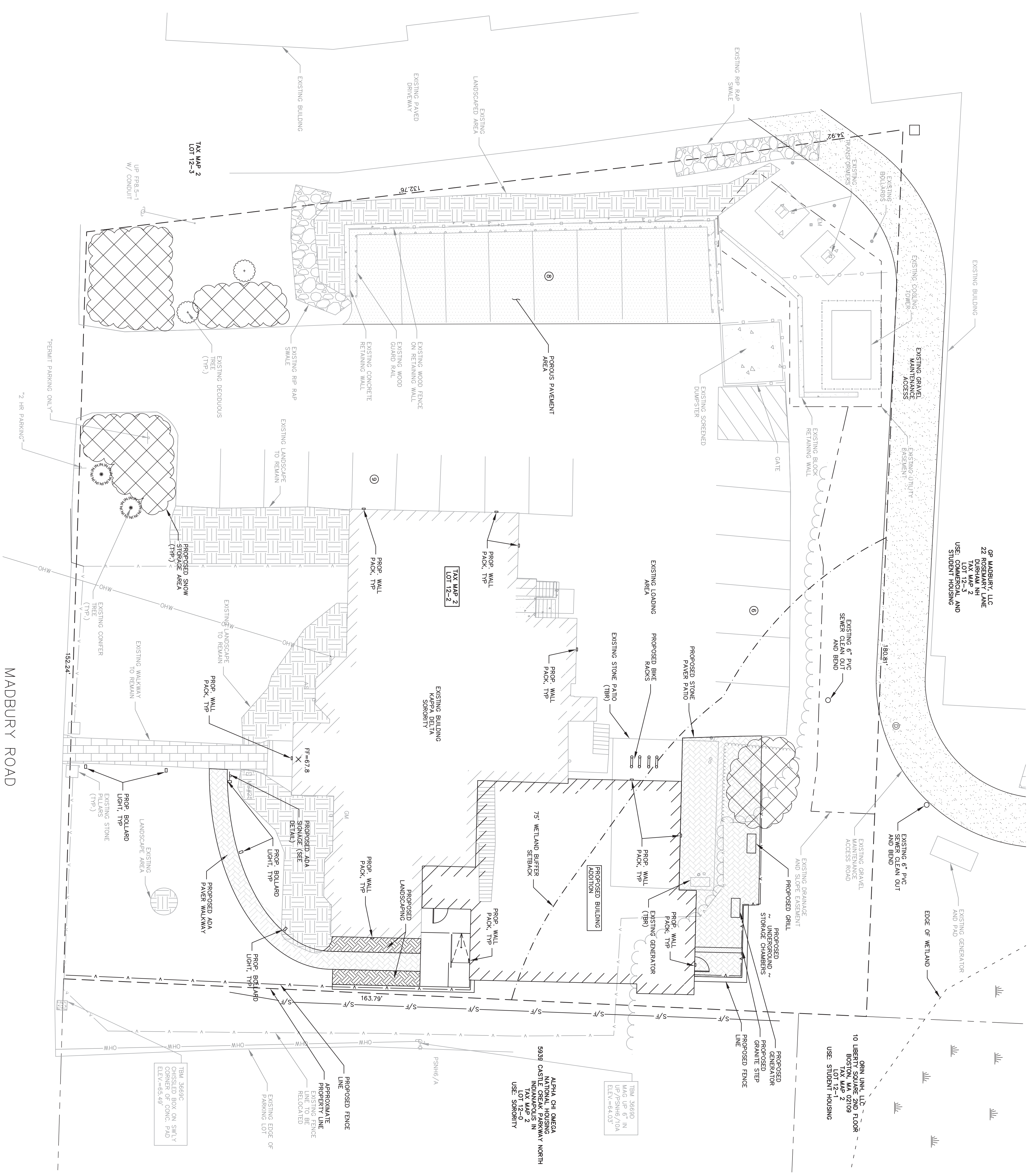
SURVEYOR



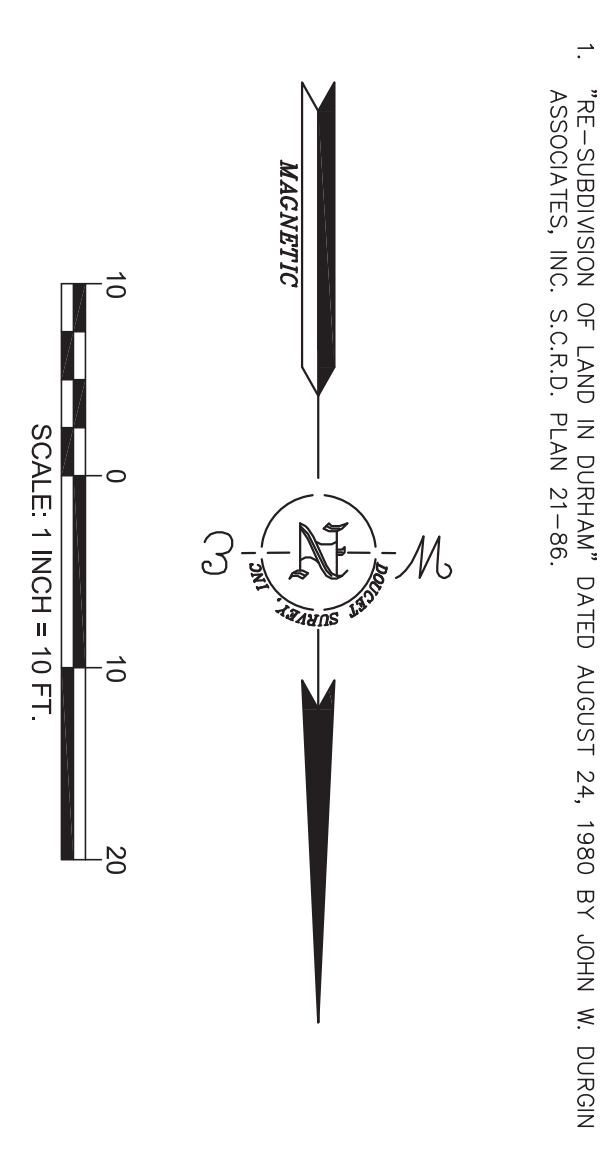
ARCHITECT

AG ARCHITECTS
634 CENTRAL AVENUE
DOVER, NH 03820
PHONE: 603-743-3700

NO.	REVISIONS	DATE	INT.
1.	DESIGN REVISIONS	11/29/18	MCS
0.	INITIAL SUBMISSION TO DURHAM PLANNING BOARD	11/9/18	EHK



- SITE DATA BLOCK:**
- PLAN INTENT: THE PROPOSAL IS TO CONSTRUCT AN ADDITION TO THE EXISTING BUILDING ON THE SUBJECT PARCEL.
- ZONE: CG (CENTRAL BUSINESS)
- DIMENSIONAL REQUIREMENTS:
- MIN. LOT AREA: 5,000 sq.ft.
 - MIN. FRONT YARD SETBACK: 50 FT.
 - MIN. SIDE/REAR SETBACK: 50 FT.
- SETBACK REQUIREMENTS ARE OBTAINED IN THE "DEVELOPMENT STANDARD" SECTION OF THE DURHAM ZONING ORDINANCE.
- THE PROPERTY IS SUBJECT TO ANY AND ALL APPLICABLE ZONING REGULATIONS NOT OUTLINED ABOVE.
- THE WCD APPLIES TO THIS PROPERTY.
- GENERAL NOTES:**
- OWNER OF RECORD: ALPHA SIGMA HOUSE CORP OF KAPPA DELTA SORORITY, P.O. BOX 28 AND REALTY, SOMERSWORTH, NH 03878, S.C.R.D. 1889, PAGE 0532
 - LOT AREA: 0.63 ACRES (274294 S.F.)
 - FIELD SURVEY PERFORMED BY G.A.N. & E.L.S. DURING 9/18 USING A TRIMBLE S7 TOTAL STATION WITH A TRIMBLE TSC3 DATA COLLECTOR AND A SOKKIA B27 AUTO LEVEL. TRAVERSE ADJUSTMENT BASED ON LEAST SQUARE ANALYSIS.
 - IMPERVIOUS SURFACE RATIO: EXISTING = 49.2% (13,501 S.F.) PROPOSED = 57.9% (15,888 S.F.) PROPOSED CUMULATIVE COVER = 0.5% ELEVATION INTERPOLATED FROM G.N. = 153.88 S.F.
 - HORIZONTAL DATUM IS BASED ON MAGNETIC OBSERVATION.
 - VERTICAL DATUM IS BASED ON NAVD88 PER DISK UNH3 (ELEVATION=76.172).
 - PROPER FIELD PROCEDURES WERE FOLLOWED IN ORDER TO GENERATE CONTOURS AT 1' INTERVALS. THE USER OF THIS SITE PLAN SHALL BE RESPONSIBLE FOR ANY SUCH ALTERATION PERFORMED BY THE USER.
 - UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON OBSERVABLE PHYSICAL EVIDENCE AND PAINT MARKS FOUND ON-SITE.
 - THE AGENCY OF NEARBY UTILITY INFERTS AND PREP SETS/TRENCHES IS SUBJECT TO NUMEROUS FIELD CONDITIONS, INCLUDING THE ABILITY TO MAINTAIN CONFIGURATION, ETC.
 - ALL ELECTRIC, GAS, TEL, WATER, SEWER AND DRAIN SERVICES ARE SHOWN IN SCHEMATIC FASHION. THEIR LOCATIONS ARE NOT PRECISE OR NECESSARILY ACCURATE. NO WORK SHALL BE UNDERTAKEN ON THIS SITE WITHOUT THE WRITTEN CONSENT OF THE SERVICE PROVIDER. THE USER OF THIS SITE PLAN SHALL BE RESPONSIBLE FOR ANY SUCH ALTERATION PERFORMED BY THE USER.
 - THIS IS NOT A BOUNDARY SURVEY AND SHALL NOT BE USED AS SUCH. APPROXIMATE PROPERTY LINES SHOWN HEREON ARE BASED ENTIRELY ON THE REFERENCE PLAN.
 - THE FEMA FLOOD MAP FOR THIS AREA IS MAP 33017C0318E EFFECTIVE 9/30/2015 AND THIS PARCEL IS NOT WITHIN THE 100 YEAR FLOOD ZONE.
- REFERENCE PLANS:**
- "RE-SUBDIVISION OF LAND IN DURHAM" DATED AUGUST 24, 1980 BY JOHN W. DURON ASSOCIATES, INC. S.C.R.D. PLAN 21-186.



FINAL APPROVAL BY DURHAM PLANNING BOARD.
 CERTIFIED BY MICHAEL BEHRENDT, TOWN PLANNER
 DATE _____

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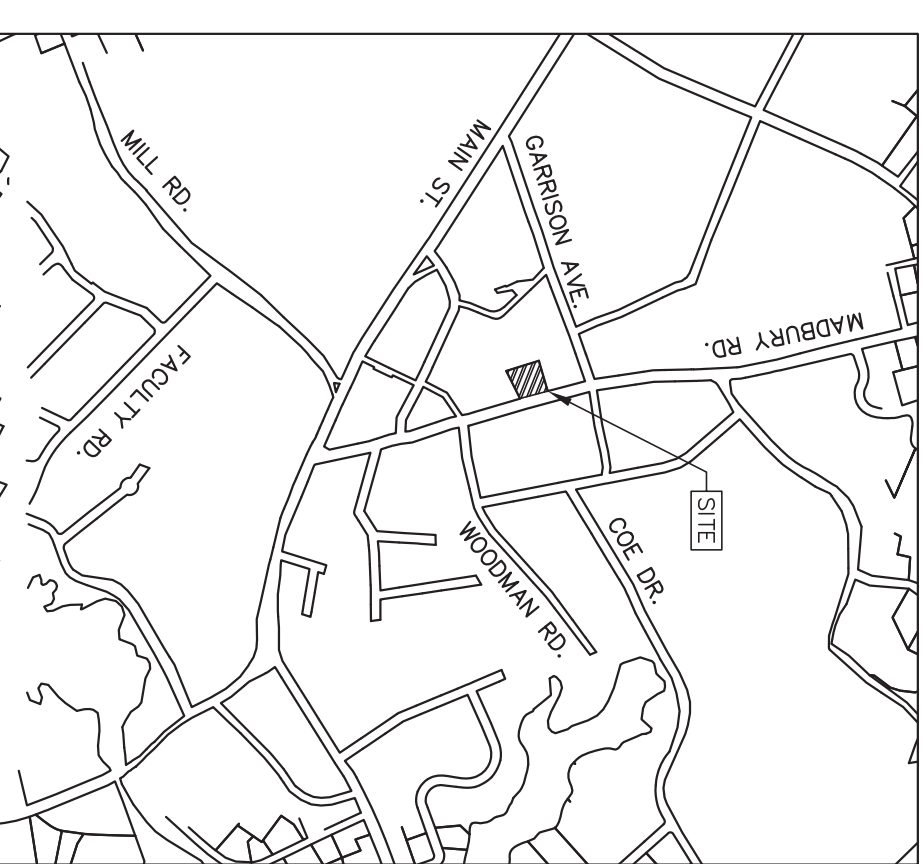
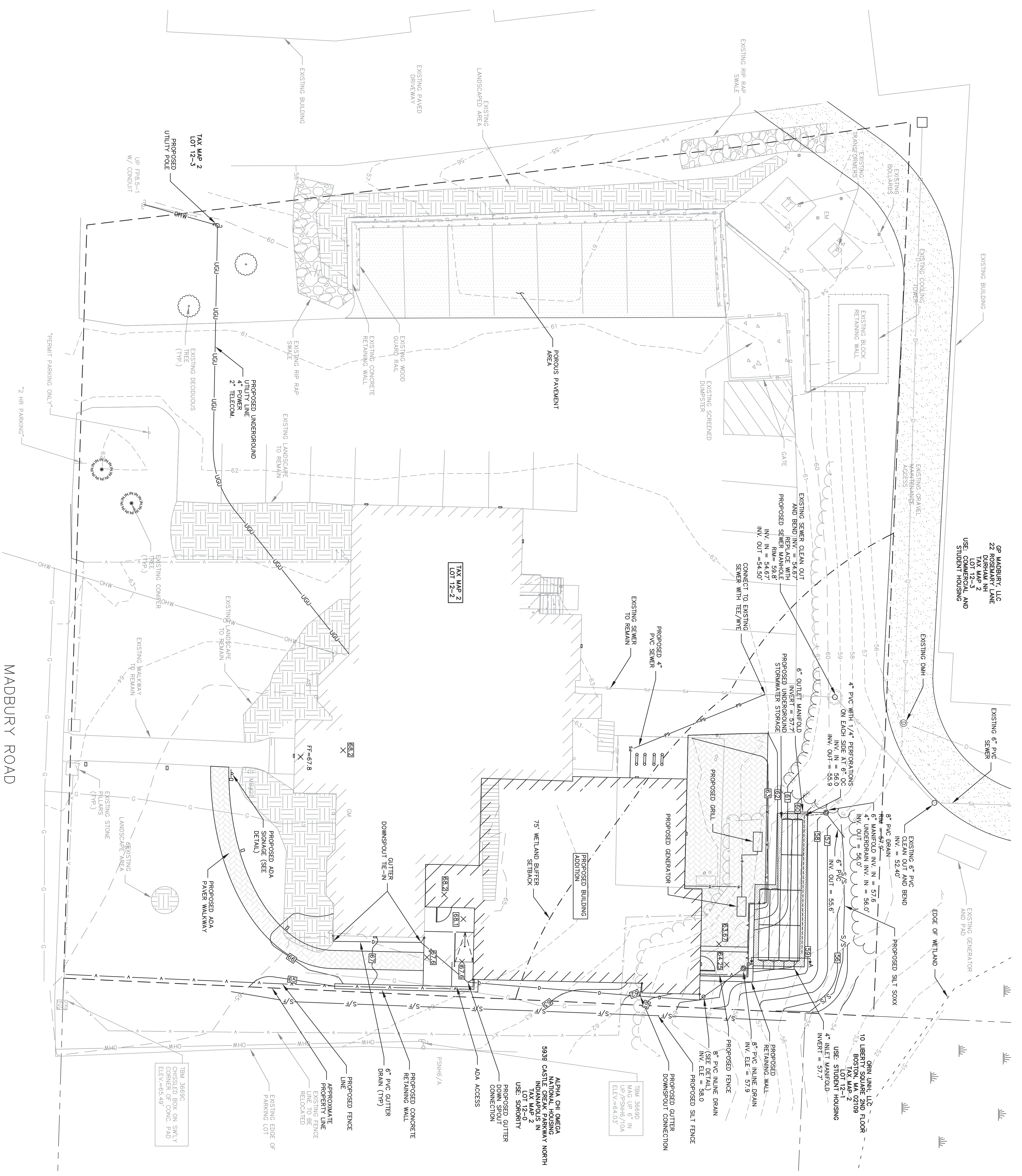
DATE: 11/19/18
 SCALE: 1" = 10'
 DESIGNED BY: MJS
 DRAWN BY: MCS
 APPROVED BY: MJS
 DWG FILE: 18-067 C1.dwg

SITE PLAN
 prepared for
KAPPA DELTA
 TAX MAP 2, LOT 12-2
 25 MADBURY ROAD
 DURHAM, NH

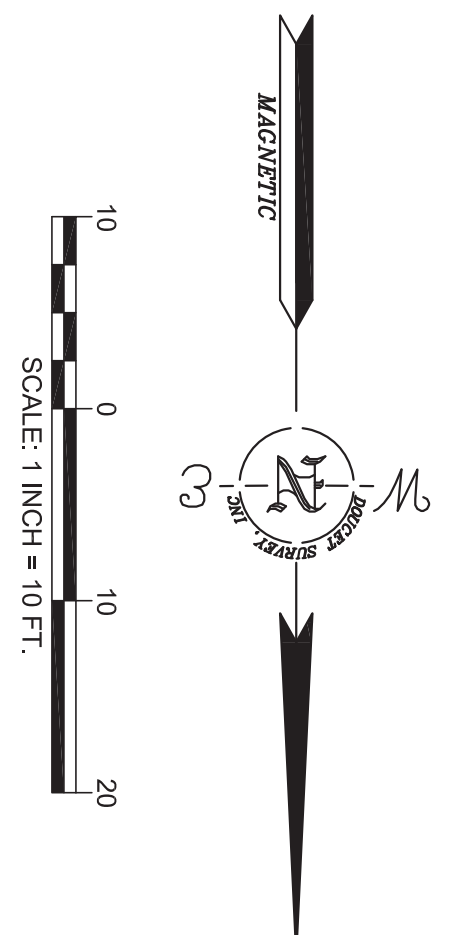
MJS ENGINEERING, P.C.
 CIVIL • STRUCTURAL • ENVIRONMENTAL

5 RAILROAD ST., P.O. BOX 3559
 NEWHAMPTON, NH 03857
 PHONE: (603) 659-4979, FAX: (603) 659-4627
 E-MAIL: MJS@MJS-ENGINEERING.COM

JOB: 18-067
C1



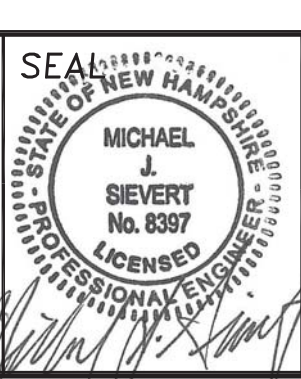
- GRADING, DRAINAGE, UTILITY & EROSION CONTROL NOTES:**
1. ALL EROSION AND SEDIMENTATION CONTROL STRUCTURES SHALL REMAIN IN PLACE AND BE MAINTAINED UNTIL THE VEGETATION IS ESTABLISHED AND THE GROUND SURFACE IS STABILIZED. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MONITORED THROUGHOUT CONSTRUCTION AND SHALL BE CORRECTED AS SOON AS POSSIBLE.
 2. REFER TO CONSTRUCTION AND SEQUENCING AND EROSION CONTROL NOTES ON SHEET 18-067 FOR NEW HANDSHAKE DEPARTMENT OF TRANSPORTATION, AS PUBLISHED BY THE STATE OF NEW HAMPSHIRE.
 3. ALL DRIVEWAY AND PARKING AREA WORK SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AS PUBLISHED BY THE STATE OF NEW HAMPSHIRE.
 4. LOAM, SEED AND MULCH AS SPECIFIED IN THE NOTES ON SHEET 01 SHALL RECEIVE 4" OF COMPACTION REQUIREMENTS.
 5. **LOCATION:** 95%
MINIMUM COMPACTION: 95%
 BELOW PAVED OR CONCRETE AREAS: 95%
 BELOW SAND BLANKET BACKFILL: 95%
 BELOW LOAM AND SEED AREAS: 90%
 ALL PERCENTAGES OF COMPACTION SHALL BE OF THE MAXIMUM PROCTOR DENSITY.
 6. EROSION CONTROL DEVICES SHALL BE INSPECTED AFTER EACH RAIN STORM OF 0.25 INCHES OR GREATER. DAMAGED EROSION CONTROL DEVICES SHALL BE REPAIRED OR REPLACED AS SOON AS POSSIBLE.
 7. ALL TEMPORARY LOAM STOCKPILES SHALL RECEIVE TEMPORARY EROSION CONTROL MEASURES.



FINAL APPROVAL BY DURHAM PLANNING BOARD.
 CERTIFIED BY MICHAEL BEHRENDT, TOWN PLANNER
 DATE _____

PROPOSED GRADING, DRAINAGE AND UTILITY PLAN
 prepared for
KAPPA DELTA
 TAX MAP 2, LOT 12-2
 25 MADBURY ROAD
 DURHAM, NH

DATE: 11/19/18
 SCALE: 1" = 10'
 DESIGNED BY: MJS
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 PHONE: (603) 659-4979, FAX: (603) 659-4627
 E-MAIL: MJS@MJS-ENGINEERING.COM

C2
 JOB: 18-067

STORMTECH CHAMBER SPECIFICATIONS

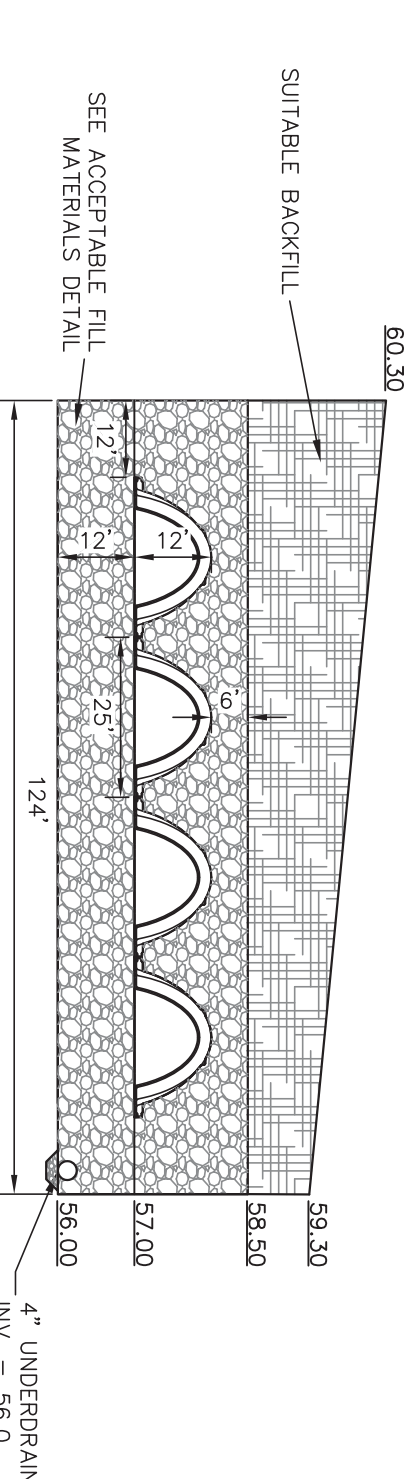
1. CHAMBERS SHALL BE STORMTECH SC-160LP.
2. CHAMBERS SHALL BE MANUFACTURED FROM VIRGIN POLYPROPYLENE.
3. CHAMBER ROWS SHALL PROVIDE CONTINUOUS UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORT PANELS THAT WOULD IMPERFECT SWATH ACCESS OR NOISE CONTROL.
4. THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE LONG-DURATION DEAD LOADS AND 21 SHORT-DURATION LIVE LOADS BASED ON THE ASPHALT DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
5. CHAMBERS SHALL MEET THE MATERIAL REQUIREMENTS IN ASTM F2191-18, STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS.
6. CHAMBERS SHALL BE DESIGNED AND ALLOWABLE LOADS DETERMINED IN ACCORDANCE WITH ASTM F2787, STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS.
7. ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. THE CHAMBER MANUFACTURER SHALL SUBMIT THE FOLLOWING UPON REQUEST TO THE SITE DESIGN ENGINEER FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE:
 - a. A STRUCTURAL EVALUATION THAT DEMONSTRATES THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.66 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD. THE RATIO REQUIRED BY ASTM F2787 AND BY AGOSTO FOR THERMOPLASTIC PPE.
 - b. STRUCTURAL CROSS SECTION DETAIL ON WHICH THE STRUCTURAL EVALUATION IS BASED.
8. CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF THE SC-160LP SYSTEM

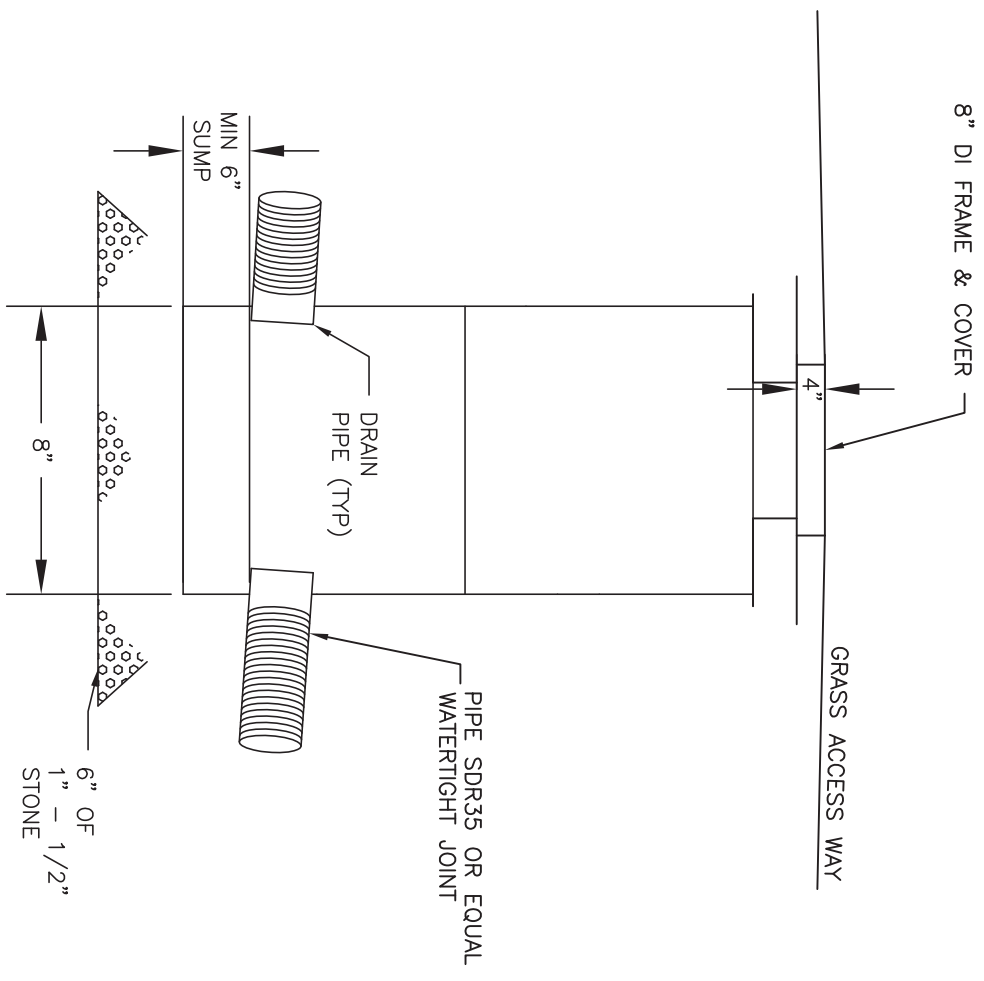
1. STORMTECH SC-160LP CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
2. STORMTECH SC-160LP CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE STORMTECH SC-160LP CONSTRUCTION GUIDE.
3. FOUNDATION STONE AND EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE, ASTM A43 4.5/57, 4, 467, 5, 56, OR 57.
4. THE FOUNDATION STONE SHALL BE ELEVATED AND COMPACTED PRIOR TO PLACING CHAMBERS.
5. THE DEPTH OF FOUNDATION STONE SHALL BE DETERMINED BASED ON THE SUBGRADE BEARING CAPACITY PROVIDED BY THE SITE DESIGN ENGINEER.
6. THE CONTRACTOR MUST REPORT ANY DISCREPANCIES CONCERNING CHAMBER FOUNDATION DESIGN AND SUBGRADE BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
7. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEALED PRIOR TO PLACING STONE.
8. CHAMBERS SHALL BE INSTALLED TOE TO TOE; NO ADDITIONAL SPACING BETWEEN ROWS IS REQUIRED.
9. CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS.
10. STORMTECH RECOMMENDS 31 GROUNDWATER METHODS:
 - BACKFILL FROM INSIDE THE CHAMBERS USING A LONG BOOM HOE OR EXCAVATOR.
 - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
11. STORMTECH RECOMMENDS THE USE OF A ELASTOMER CATCH ITTERS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE.
12. STORMTECH RECOMMENDS THE USE OF A ELASTOMER CATCH ITTERS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE.

NOTES FOR CONSTRUCTION EQUIPMENT

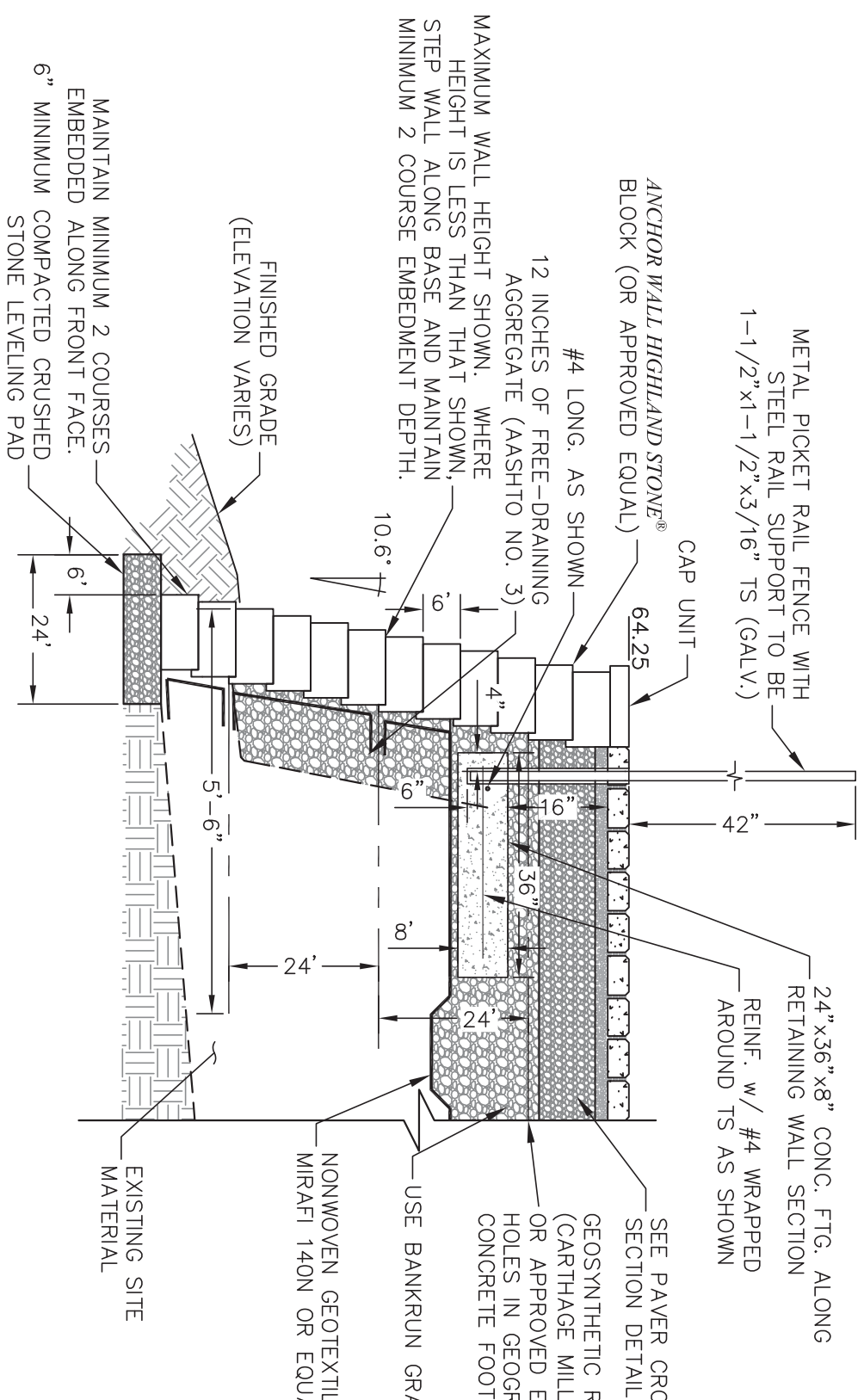
1. THE USE OF CONSTRUCTION EQUIPMENT OVER SC-160LP CHAMBERS IS LIMITED.
 - DOZERS, EXCAVATORS, BACKHOES, OR OTHER EQUIPMENT ARE NOT ALLOWED TO BE USED OVER CHAMBERS.
 - WITH THE STORMTECH SC-160LP CONSTRUCTION GUIDE.
 - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE STORMTECH SC-160LP CONSTRUCTION GUIDE.
2. FULL 36" (900 mm) OF STABILIZED COVER MATERIAL OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.
3. USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.
4. CONTACT STORMTECH AT 1-888-892-2884 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.



STORMTECH CHAMBER CROSS SECTION AA-A
N.T.S.

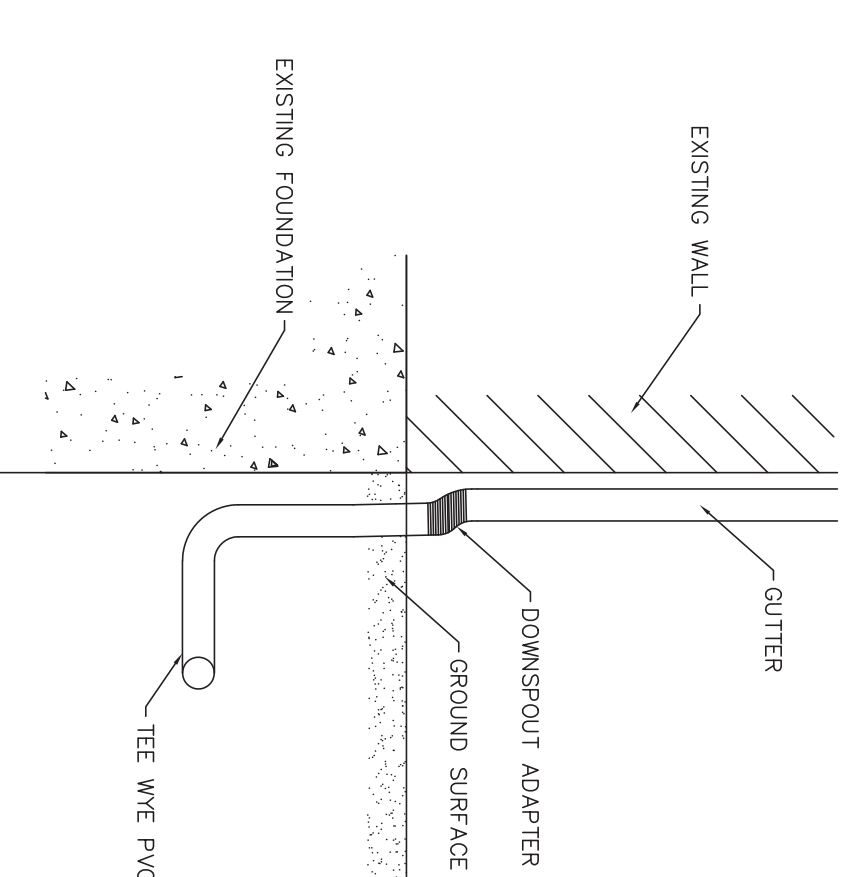


TYP. IN-LINE DRAIN DETAIL
N.T.S.

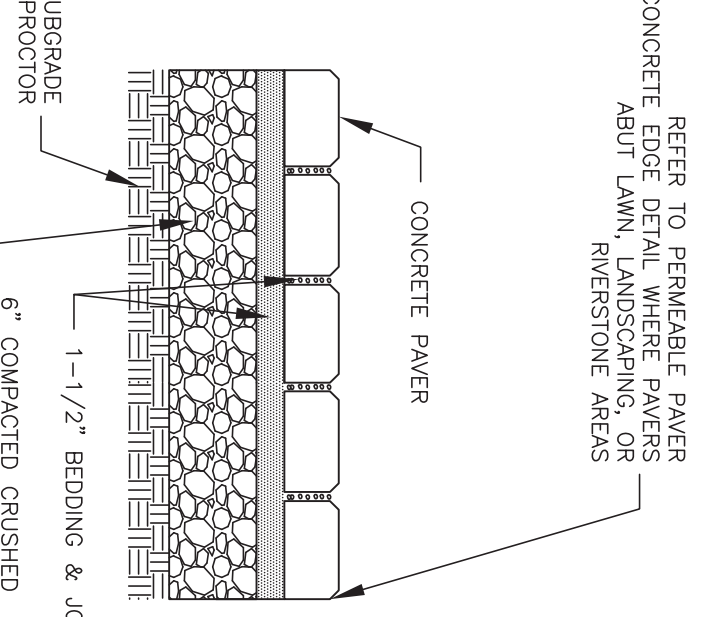


PRECAST CONCRETE BLOCK RETAINING WALL & CONCRETE PAVER PATIO CROSS SECTION
N.T.S.

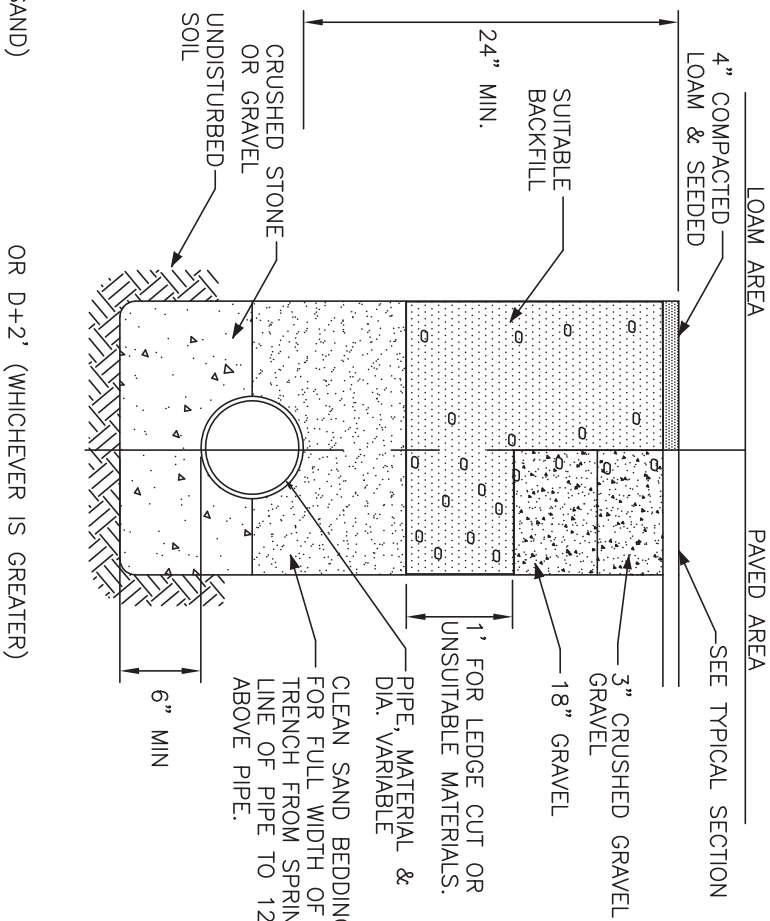
- PRECAST CONCRETE RETAINING WALL & STAIR NOTES:
1. RETAINING WALL AND STAIRS TO BE ANCHOR WALL HIGHLAND STONE PRECAST CONCRETE (GRANITE BLEND)
 2. REINFORCING BARS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 3. CONCRETE FOOTINGS TO BE INSTALLED IN CONJUNCTION WITH PATIO SUBGRADE AND GEORGRID PLACEMENT.
 4. GEORGRID TO BE RAISED TO GEORGRID 4/2 OR APPROVED EQUAL DISTRIBUTED BY CARTHAGE MILLS.



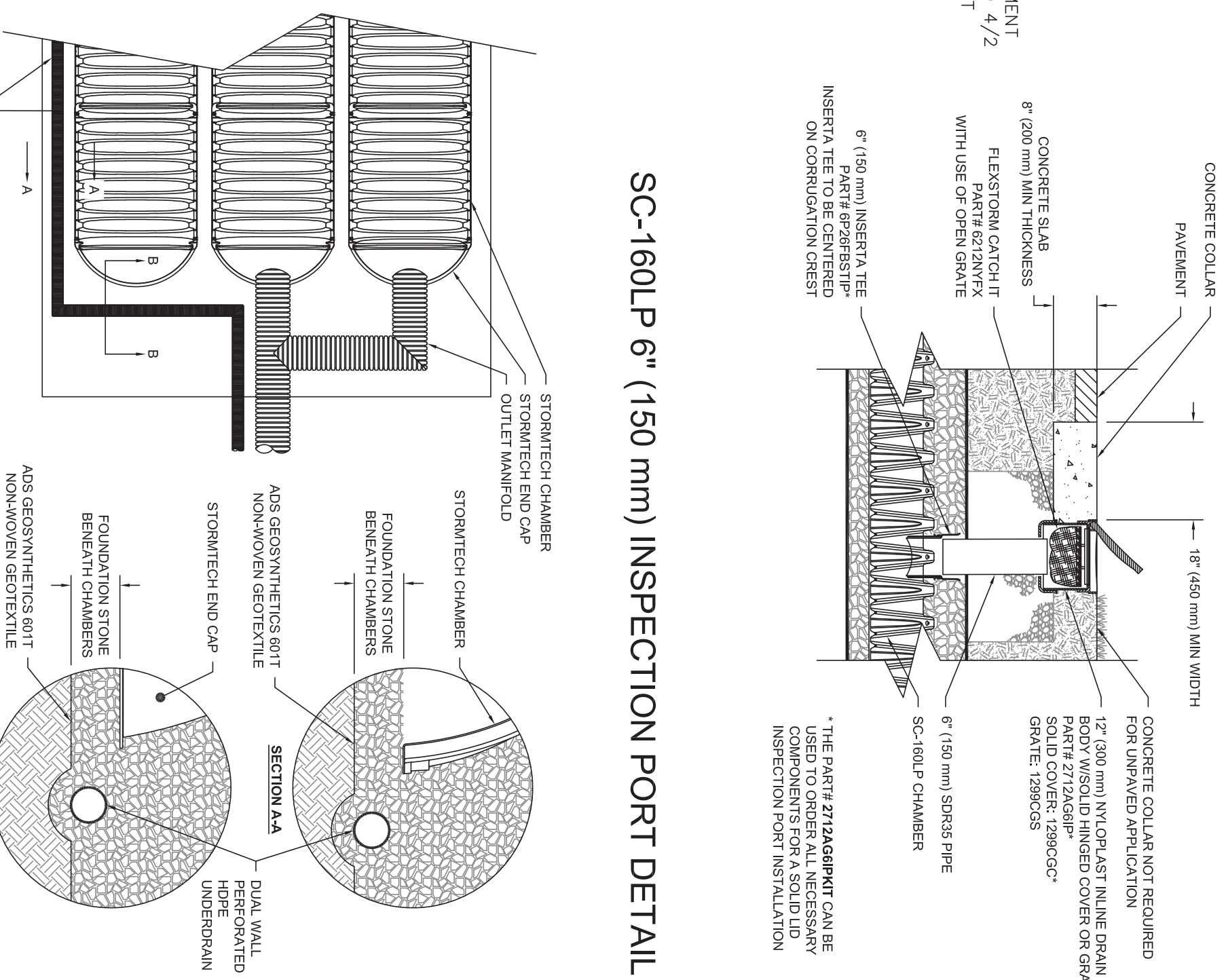
GUTTER DOWNSPOUT CONNECTION, TYP.
N.T.S.



TYPICAL CONCRETE PAVER CROSS SECTION
N.T.S.



STANDARD DRAINAGE PIPE TRENCH
N.T.S.



SC-160LP 6" (150 mm) INSPECTION PORT DETAIL

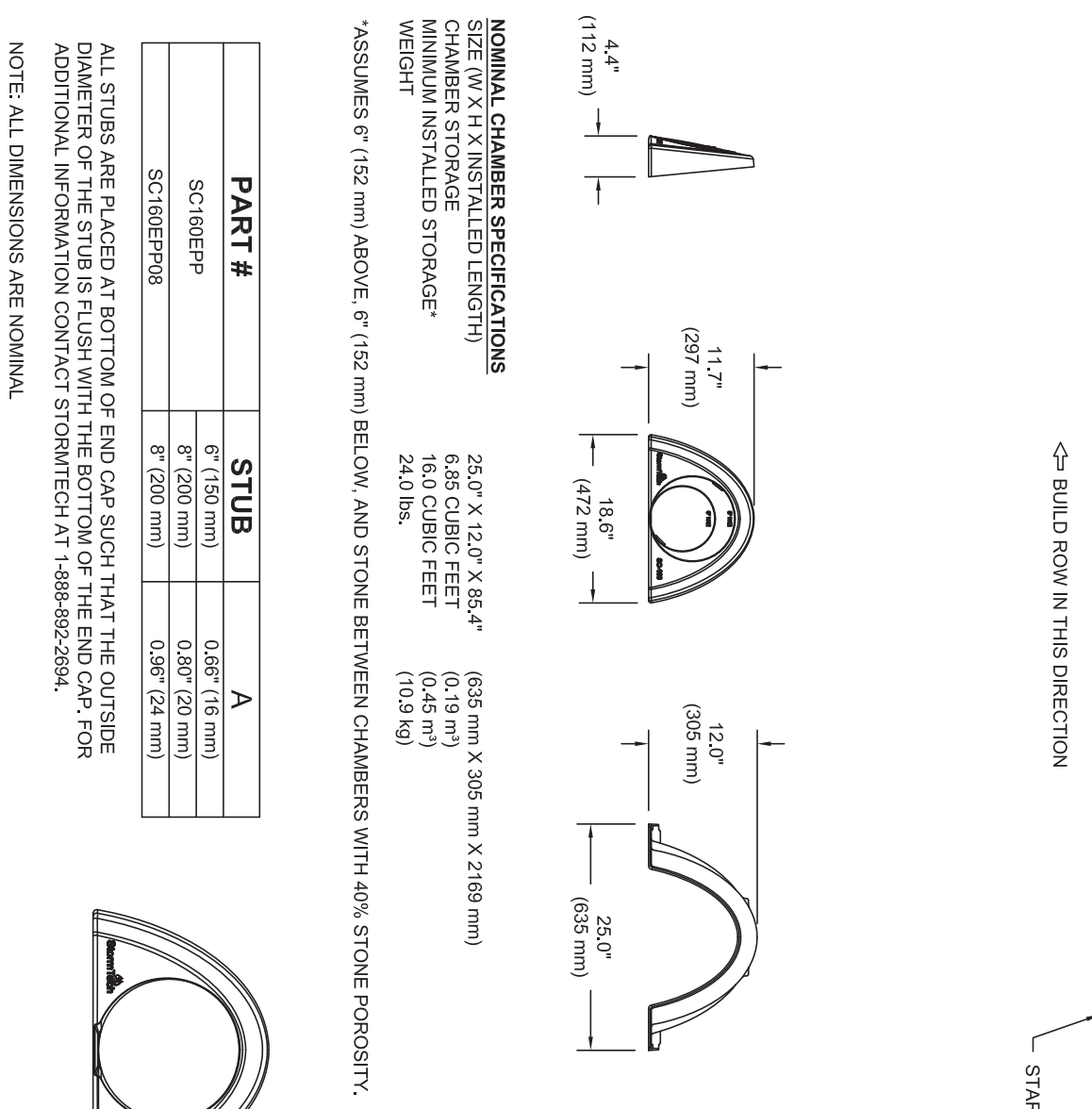
UNDERDRAIN DETAIL

NUMBER AND SIZE OF UNDERDRAINS PER SITE DESIGN ENGINEER
 4" (100 mm) TYP FOR SC-310 & SC-160LP SYSTEMS
 6" (150 mm) TYP FOR SC-310, DC-760, MC-500 & MC-650 SYSTEMS

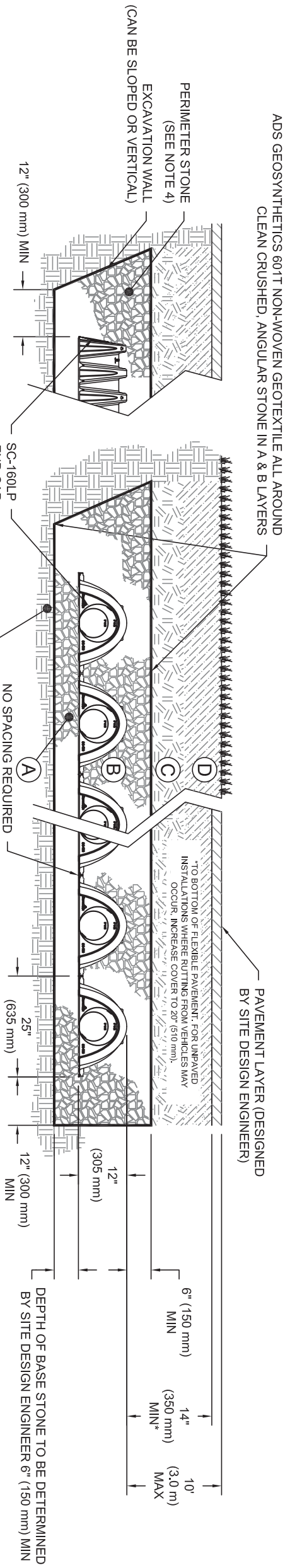
ACCEPTABLE FILL MATERIALS: STORMTECH SC-160LP CHAMBER SYSTEMS

MATERIAL LOCATION	DESCRIPTION	ASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
A	FOUNDATION STONE: CLEAN, CRUSHED, ANGULAR STONE	ASHTO M47	NO COMPACTION REQUIRED.
B	FOUNDATION STONE: CLEAN, CRUSHED, ANGULAR STONE	ASHTO M47	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ²²
C	EMBEDMENT STONE: CLEAN, CRUSHED, ANGULAR STONE	ASHTO M47	NO COMPACTION REQUIRED.
D	EMBEDMENT STONE: CLEAN, CRUSHED, ANGULAR STONE	ASHTO M47	NO COMPACTION REQUIRED.
E	EMBEDMENT STONE: CLEAN, CRUSHED, ANGULAR STONE	ASHTO M47	NO COMPACTION REQUIRED.
F	EMBEDMENT STONE: CLEAN, CRUSHED, ANGULAR STONE	ASHTO M47	NO COMPACTION REQUIRED.
G	EMBEDMENT STONE: CLEAN, CRUSHED, ANGULAR STONE	ASHTO M47	NO COMPACTION REQUIRED.
H	EMBEDMENT STONE: CLEAN, CRUSHED, ANGULAR STONE	ASHTO M47	NO COMPACTION REQUIRED.
I	EMBEDMENT STONE: CLEAN, CRUSHED, ANGULAR STONE	ASHTO M47	NO COMPACTION REQUIRED.
J	EMBEDMENT STONE: CLEAN, CRUSHED, ANGULAR STONE	ASHTO M47	NO COMPACTION REQUIRED.
K	EMBEDMENT STONE: CLEAN, CRUSHED, ANGULAR STONE	ASHTO M47	NO COMPACTION REQUIRED.
L	EMBEDMENT STONE: CLEAN, CRUSHED, ANGULAR STONE	ASHTO M47	NO COMPACTION REQUIRED.
M	EMBEDMENT STONE: CLEAN, CRUSHED, ANGULAR STONE	ASHTO M47	NO COMPACTION REQUIRED.
N	EMBEDMENT STONE: CLEAN, CRUSHED, ANGULAR STONE	ASHTO M47	NO COMPACTION REQUIRED.
O	EMBEDMENT STONE: CLEAN, CRUSHED, ANGULAR STONE	ASHTO M47	NO COMPACTION REQUIRED.
P	EMBEDMENT STONE: CLEAN, CRUSHED, ANGULAR STONE	ASHTO M47	NO COMPACTION REQUIRED.
Q	EMBEDMENT STONE: CLEAN, CRUSHED, ANGULAR STONE	ASHTO M47	NO COMPACTION REQUIRED.
R	EMBEDMENT STONE: CLEAN, CRUSHED, ANGULAR STONE	ASHTO M47	NO COMPACTION REQUIRED.
S	EMBEDMENT STONE: CLEAN, CRUSHED, ANGULAR STONE	ASHTO M47	NO COMPACTION REQUIRED.
T	EMBEDMENT STONE: CLEAN, CRUSHED, ANGULAR STONE	ASHTO M47	NO COMPACTION REQUIRED.
U	EMBEDMENT STONE: CLEAN, CRUSHED, ANGULAR STONE	ASHTO M47	NO COMPACTION REQUIRED.
V	EMBEDMENT STONE: CLEAN, CRUSHED, ANGULAR STONE	ASHTO M47	NO COMPACTION REQUIRED.
W	EMBEDMENT STONE: CLEAN, CRUSHED, ANGULAR STONE	ASHTO M47	NO COMPACTION REQUIRED.
X	EMBEDMENT STONE: CLEAN, CRUSHED, ANGULAR STONE	ASHTO M47	NO COMPACTION REQUIRED.
Y	EMBEDMENT STONE: CLEAN, CRUSHED, ANGULAR STONE	ASHTO M47	NO COMPACTION REQUIRED.
Z	EMBEDMENT STONE: CLEAN, CRUSHED, ANGULAR STONE	ASHTO M47	NO COMPACTION REQUIRED.

SC-160LP TECHNICAL SPECIFICATIONS



SC-160LP CROSS SECTION DETAIL



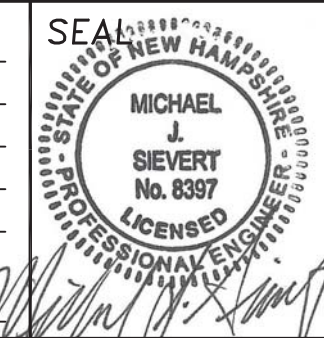
NOTES:

1. SC-160LP CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS.
2. ACCEPTABLE FILL MATERIALS TABLE ABOVE PROVIDES MATERIAL LOCATIONS, DESCRIPTIONS, GRADATIONS, AND COMPACTION REQUIREMENTS FOR FOUNDATION, EMBEDMENT, AND FILL MATERIALS.
3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOST FAVORABLE CONDITIONS.
4. PERMITS SHALL BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
5. COVER LAYERS OR IS PLACED ANY SOIL MATERIAL, COVER PLACED IN LAYER UP TO THE FINISHED GRADE. MOST PAVEMENT SUBGRADE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER C OR D AT THE SITE DESIGN ENGINEER'S DISCRETION.

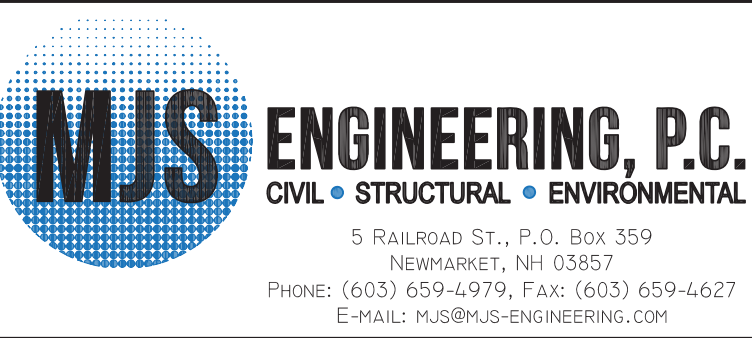
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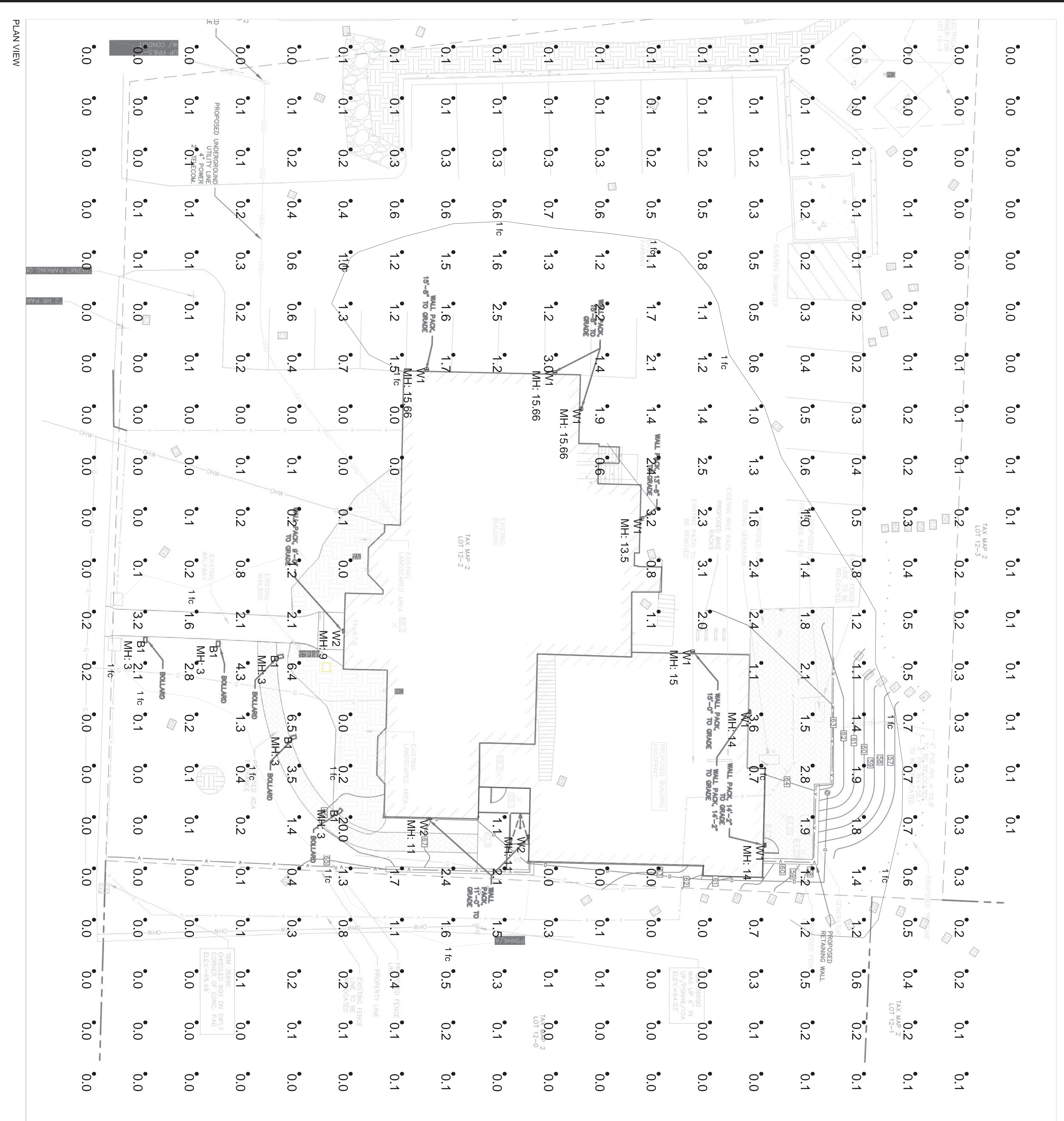
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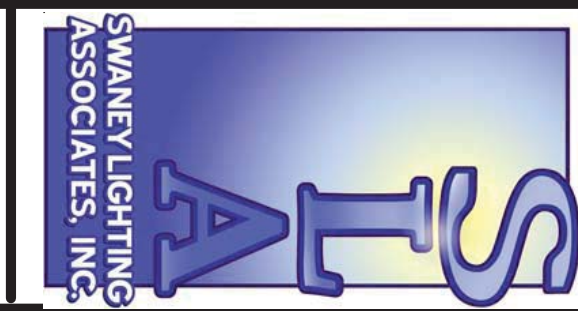
JOB: 18-067
 D3



- NOTES:
- 1) EXACT MOUNTING DETAILS TO BE DETERMINED AT JOBSITE BY OTHERS.
 - 2) CALCULATIONS MAY OR MAY NOT SHOW THE EFFECT OF SHADOWING CAUSED BY BUILDINGS AND OBJECTS WITHIN THE CALCULATED SPACE OR IN THE SITE AREA.
 - 3) READINGS SHOWN ARE INITIAL HORIZONTAL FOOTCANDLES ON A FLAT SITE WITHOUT REFLECTIONS OR OBSTRUCTIONS UNLESS OTHERWISE INDICATED.
 - 4) THIS CALCULATION IS BASED ON LIMITED INFORMATION SUPPLIED BY OTHERS TO SWANEY LIGHTING ASSOCIATES AND STANDARD ASSUMPTIONS OF THE SPACE AND/OR SITE. SWANEY LIGHTING ASSOCIATES DOES NOT WARRANT THE ACCURACY OF THE AND THE ANNU ARE THE RESPONSIBILITY OF THE OWNER AND/OR THE OWNER'S REPRESENTATIVE.
 - 5) THIS LAYOUT DRAWING MUST BE COORDINATED WITH THE SITE LOCATION FOR CORRECT FEATURE ORIENTATION.
 - 6) DOCUMENTS PRINTED OR PLOTTED FROM ELECTRONIC FILES MAY APPEAR AT OTHER THAN THE DESIRED OR ASSUMED GRAPHIC SCALES. IT IS THE RESPONSIBILITY OF THE RECIPIENT TO VERIFY THAT THE PRINTED OR PLOTTED-TO-SCALE DRAWING IS PRINTED TO SCALE.

Calculation Summary					
Label	Avg	Max	Min	Avg/Min	Max/Min
SITE	0.57	20.0	0.0	N.A.	N.A.

Luminaire Schedule (note fixture catalogue numbers are not complete)					
Type	Qty	Lum. Lumens LfF	Lum. Watts	Description	
W1	2588	0.900	28.6	LNC2-12L-3K-070-4	
W2	3	0.900	22.2	LNC-9LU-3K-4	
B1	5	0.900	20.4	SL1-18L3K	



NOTICE: THIS DRAWING IS THE EXCLUSIVE PROPERTY OF SWANEY LIGHTING ASSOCIATES. ITS ACCEPTANCE CONSTITUTES AN AGREEMENT THAT THE DRAWING WILL BE TREATED AS CONFIDENTIAL. THIS DRAWING IS TO BE USED FOR NO PURPOSE OTHER THAN AS DETAILED INFORMATION CONCERNING THE OPERATION OF UNITS INDICATED. THIS DRAWING IS TO BE RETURNED UPON REQUEST AND IS NOT TO BE COMMUNICATED, DISCLOSED OR COPIED, EXCEPT AS EXPRESSLY AUTHORIZED BY SWANEY LIGHTING ASSOCIATES.

NOTICE: THE INTENT OF THIS LIGHTING LAYOUT IS TO SUGGEST THE BEST UTILIZATION OF LIGHTING FIXTURES INCLUDED IN THIS DRAWING. IT IS PROVIDED USING FIXTURE PHOTOMETRICS FURNISHED BY THE MANUFACTURER. ANY VARIATION IN FIXTURE PERFORMANCE FROM PERFORMANCE SHOWN IN IES FILE IS NOT THE RESPONSIBILITY OF THE MANUFACTURER. ITS USE FOR ANY OTHER PURPOSE IS NOT AUTHORIZED BY SWANEY LIGHTING ASSOCIATES.

GENERATED FOR:
AG ARCHITECTS
SCALE NOT TO SCALE
Page 1 of 1

TITLE
KAPPA DELTA
SITE LIGHTING LAYOUT
Date:11/26/2018

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SITE 11-26-18.AGI