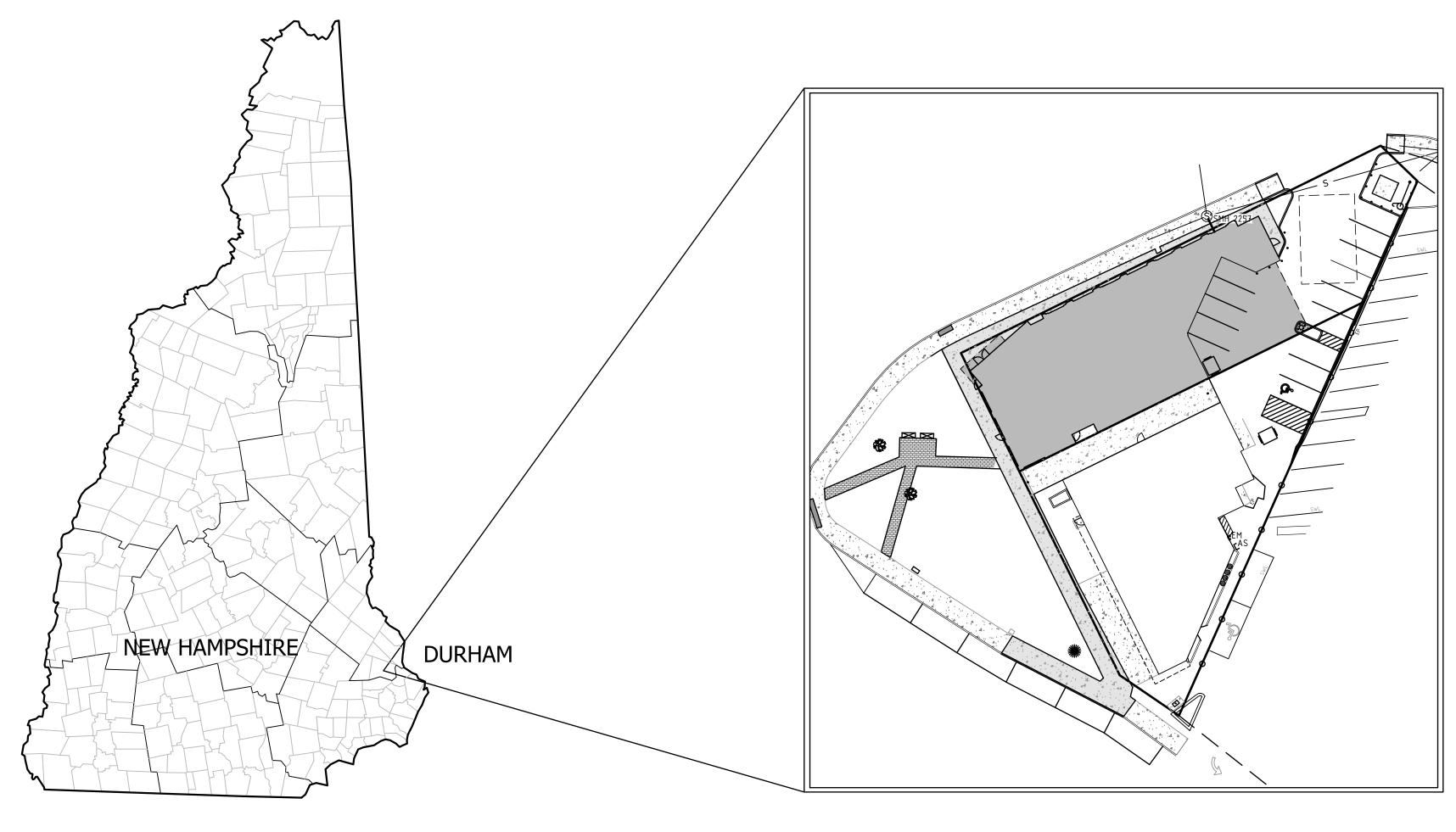
CLARK PROPERTIES, LLC 74 MAIN STREET

DURHAM, NH

SUBMITTED: 3 MARCH 2021 REVISED: 19 JULY 2021



LOCATION PLAN

OWNER:

CLARK PROPERTIES, LLC 28 CEDAR POINT ROAD DURHAM, NH 03824

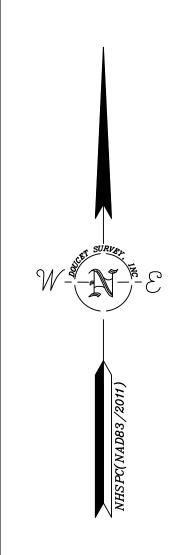
ENGINEER:

hojizens engineering

5 RAILROAD STREET NEWMARKET, NH 03857 (603) 444-4111

SURVEYOR:

DOUCET SURVEY, INC. 102 KENT PL NEWMARKET, NH 03857 (603) 659-6560



NOTES:

 REFERENCE: TAX MAP 2, LOT 14-1

2. TOTAL PARCEL AREA: 18,879 SQ. FT. OR 0.433 AC.

3. OWNER OF RECORD: TOWN & CAMPUS, INC. 105 PERKINS ROAD

MADBURY, NH 03823 S.C.R.D. BOOK 838, PAGE 056

4. ZONE: CB DIMENSIONAL REQUIREMENTS:

> MIN. LOT AREA MIN. FRONTAGE

MIN. FRONT SETBACK SEE DEVELOPMENT STANDARDS FOR CB ZONE MIN. SIDE/REAR SETBACK SEE DEVELOPMENT STANDARDS FOR CB ZONE

ZONING INFORMATION LISTED HEREON IS BASED ON THE TOWN OF DURHAM ZONING ORDINANCE DATED 4/16/18 AS AVAILABLE ON THE TOWN WEBSITE ON 5/25/18. ADDITIONAL REGULATIONS APPLY, AND REFERENCE IS HEREBY MADE TO THE EFFECTIVE ZONING ORDINANCE. THE LAND OWNER IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE MUNICIPAL, STATE AND FEDERAL

- 5. FIELD SURVEY PERFORMED BY J.P.E. & P.J.M. DURING MAY 2018 USING A TRIMBLE S7 TOTAL STATION WITH A TRIMBLE TSC3 DATA COLLECTOR. TRAVERSE ADJUSTMENT BASED ON LEAST
- 6. HORIZONTAL DATUM BASED ON NEW HAMPSHIRE STATE PLANE(2800) NAD83(2011) DERIVED FROM REDUNDANT GPS OBSERVATIONS UTILIZING THE KEYNET GPS VRS NETWORK.
- 7. VERTICAL DATUM IS BASED ON NAVD88 PER DISK "UNH 13".

NOT HAVE THIS INFORMATION AVAILABLE.

- 8. UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON OBSERVABLE PHYSICAL EVIDENCE AND PAINT MARKS FOUND ON-SITE.
- 9. THE INTENT OF THIS PLAN IS TO SHOW THE LOCATION OF BOUNDARIES IN ACCORDANCE WITH AND IN RELATION TO THE CURRENT LEGAL DESCRIPTION, AND IS NOT AN ATTEMPT TO DEFINE UNWRITTEN RIGHTS, DETERMINE THE EXTENT OF OWNERSHIP, OR DEFINE THE LIMITS OF TITLE. THE INTENT OF THIS PLAN IS ALSO TO SUBDIVIDE THE EXISTING TAX MAP 2, LOT 14-1 INTO TWO
- PARCELS OF APPROXIMATELY EQUAL SQUARE FOOTAGE. 10. ALL ELECTRIC, GAS, TEL. WATER, SEWER AND DRAIN SERVICES ARE SHOWN IN SCHEMATIC

FASHION, THEIR LOCATIONS ARE NOT PRECISE OR NECESSARILY ACCURATE. NO WORK

SERVICES. CONSULT WITH THE PROPER AUTHORITIES CONCERNED WITH THE SUBJECT SERVICE LOCATIONS FOR INFORMATION REGARDING SUCH. CALL DIG-SAFE AT 1-888-DIG-SAFE. 11. THE BUILDINGS ON THE PARCEL ARE SERVICED BY MUNICIPAL WATER AND SEWER. THE SEWER IS BELIEVED TO BE SERVICED FROM PETTE BROOK LANE AS INDICATED HEREON. THE WATER IS BELIEVED TO BE SERVICED FROM MAIN STREET. THE EXACT LOCATIONS OF THE SERVICES WAS

NOT OBSERVED DURING THE SURVEY. FURTHERMORE THE TOWN ENGINEERING DEPARTMENT DID

WHATSOEVER SHALL BE UNDERTAKEN ON THIS SITE USING THIS PLAN TO LOCATE THE ABOVE

12. FOR MORE INFORMATION ABOUT THIS SUBDIVISION, OR TO SEE THE COMPLETE PLAN SET, CONTACT THE TOWN OF DURHAM PLANNING DEPARTMENT, 8 NEWMARKET ROAD, DURHAM, NH.

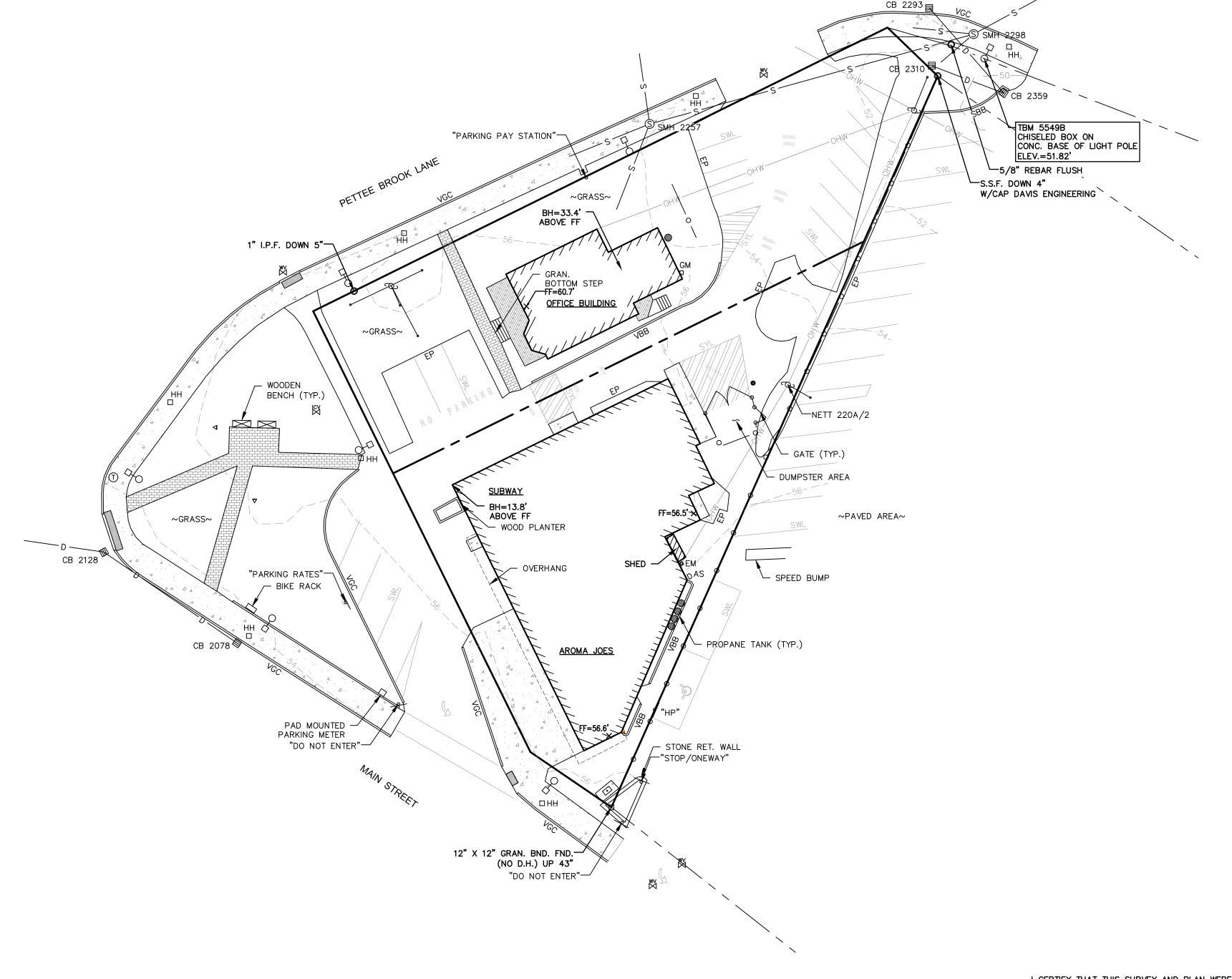
REFERENCE PLANS:

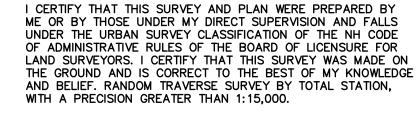
- . "BOUNDARY LINE ADJUSTMENT MAIN ST. & PETTEE BROOK RD. DURHAM, STRAFFORD COUNTY, NEW HAMPSHIRE, BETWEEN TOWN & CAMPUS, INC. & TOWN OF DURHAM" DATED APRIL 16, 1987 BY THOMAS F. MORAN INC. S.C.R.D. PLAN 28A-118.
- 2. "BOUNDARY LINE ADJUSTMENT PLAN GAMMA THETA CORP., MAIN STREET DURHAM, N.H." DATED 12-15-03 WITH A REVISION DATE OF 1-9-04 BY CAMMETT ENGINEERING. S.C.R.D. PLAN

EASEMENT NOTES:

TAX MAP 2, LOT 14-1 IS EITHER SUBJECT TO, BUT NOT LIMITED TO, THE FOLLOWING EASEMENTS/RIGHTS OF RECORD:

- A) RIGHTS GRANTED TO NET&T FROM TOWN & CAMPUS, INC. TO ABANDON UNDERGROUND CABLES ON THE PREMISES. SAID RIGHTS DO NOT ALLOW GRANTEE TO PLACE ADDITIONAL CABLE ON THE PREMISES. EASEMENT RECORDED IN S.C.R.D. BOOK 1061, PAGE 652.
- B) NO RECORDED EASEMENT WAS FOUND FOR THE EXISTING POLES AND ANCHORS ON THE
- C) EXISTING PARKING SPACES ARE SHOWN ON THIS PLAN BOTH AT THE FRONT OF THE NEW NORTHERLY LOT AND IN THE TOWN'S PROPERTY NEAR MAIN STREET. IT IS UNDERSTOOD THAT NO EASEMENT TO PROVIDE ACCESS TO THESE SPACES IS BEING ESTABLISHED AS PART OF THIS SUBDIVISION.
- D) EASEMENTS ARE TO BE RECORDED HEREWITH TO DEFINE ITEMS INCLUDING BUT NOT LIMITED TO PARKING, ACCESS, UTILITIES AND MAINTENANCE.





_L.L.S. #937

KAISER

SIGNATURE

THE CERTIFICATIONS SHOWN HEREON ARE INTENDED TO MEET REGISTRY OF DEED REQUIREMENTS AND ARE NOT A CERTIFICATION TO TITLE OR OWNERSHIP OF PROPERTY SHOWN. OWNERS OF ADJOINING PROPERTIES ARE ACCORDING TO CURRENT TOWN ASSESSORS RECORDS.



LOCATION MAP (n.t.s.)

EXISTING LOT LINE — PROPOSED LOT LINE —— ○ — O — CHAIN LINK FENCE OHW OVERHEAD WIRE — S ——— SEWER LINE — D ——— DRAIN LINE CONCRETE

> BRICK UTILITY POLE UTILITY POLE & GUY WIRE GROUND LIGHT

LIGHT POLE W/ARM BOLLARD WATER GATE VALVE HAND HOLE CATCH BASIN IRRIGATION CONTROL VALVE BOUND FOUND IRON ROD/PIPE FOUND

SÚITABLE MONUMENT TO BE SET IRON PIPE FOUND S.S.F. STEEL STAKE FOUND

5/8" REBAR OR OTHER

MAILBOX ACCESSIBLE PARKING SPACE FINISHED FLOOR AUTO SPRINKLER ELECTRIC METER EDGE OF PAVEMENT

VERTICAL GRANITE CURB VGC SLOPED BITUMINOUS BERM SBB VERTICAL BITUMINOUS BERM SINGLE WHITE LINE



TOPOGRAPHIC PLAN

TOWN & CAMPUS, INC.

TAX MAP 2 LOT 14-1

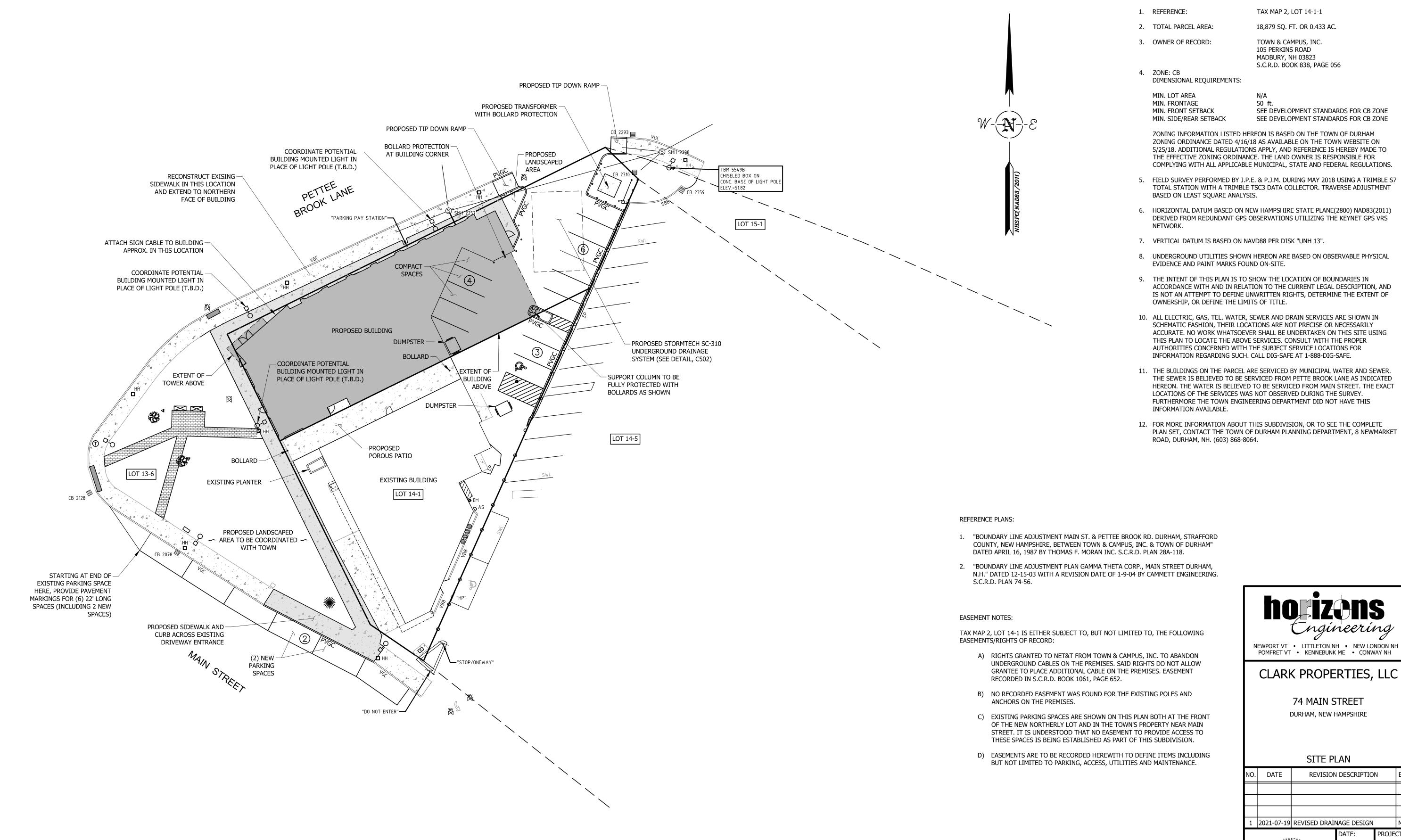
72 MAIN STREET DURHAM, NEW HAMPSHIRE

1	08/21/18	REVISIONS PER TOWN PLANNER	J.F.K.
NO.	DATE	DESCRIPTION	

DRAWN BY: W.D.C.	DATE: AUGUST 28, 2018
J.F.K.	5549B DRAWING NO.:
5549 JOB NO.:	1 1 SHEET OF



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SCALE IN FEET

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DATE OF PRINT 20 JULY 2021

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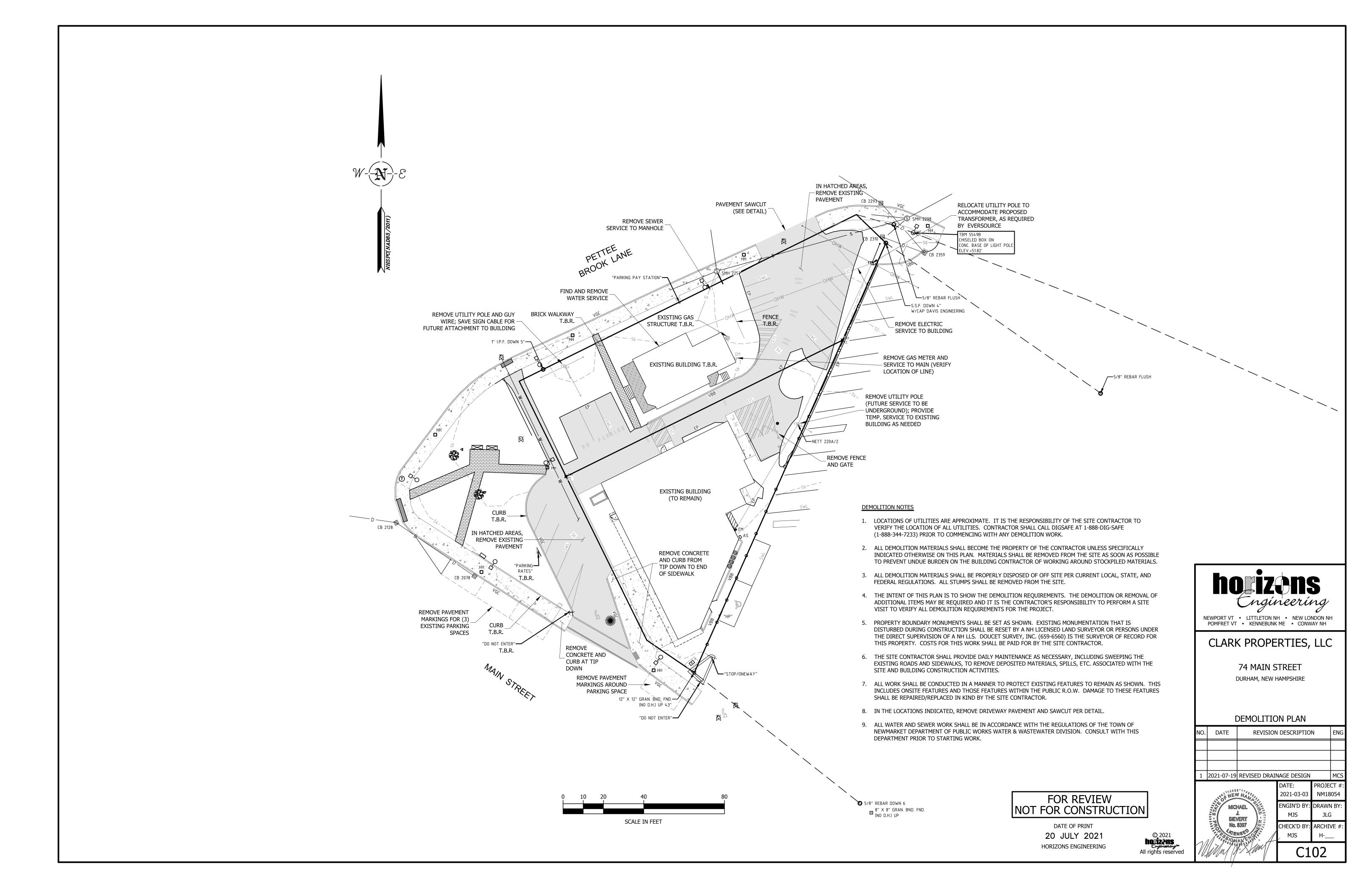
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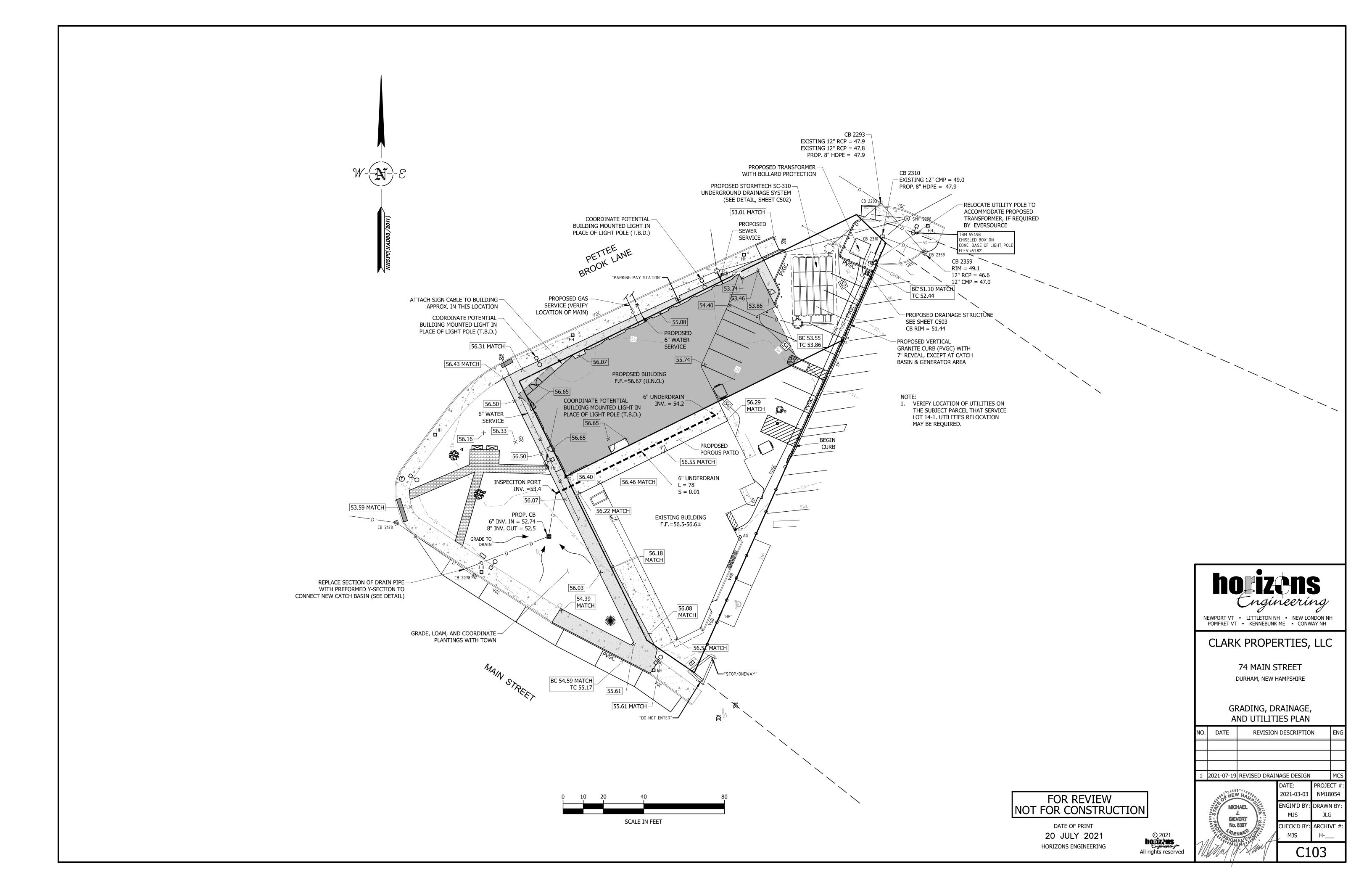
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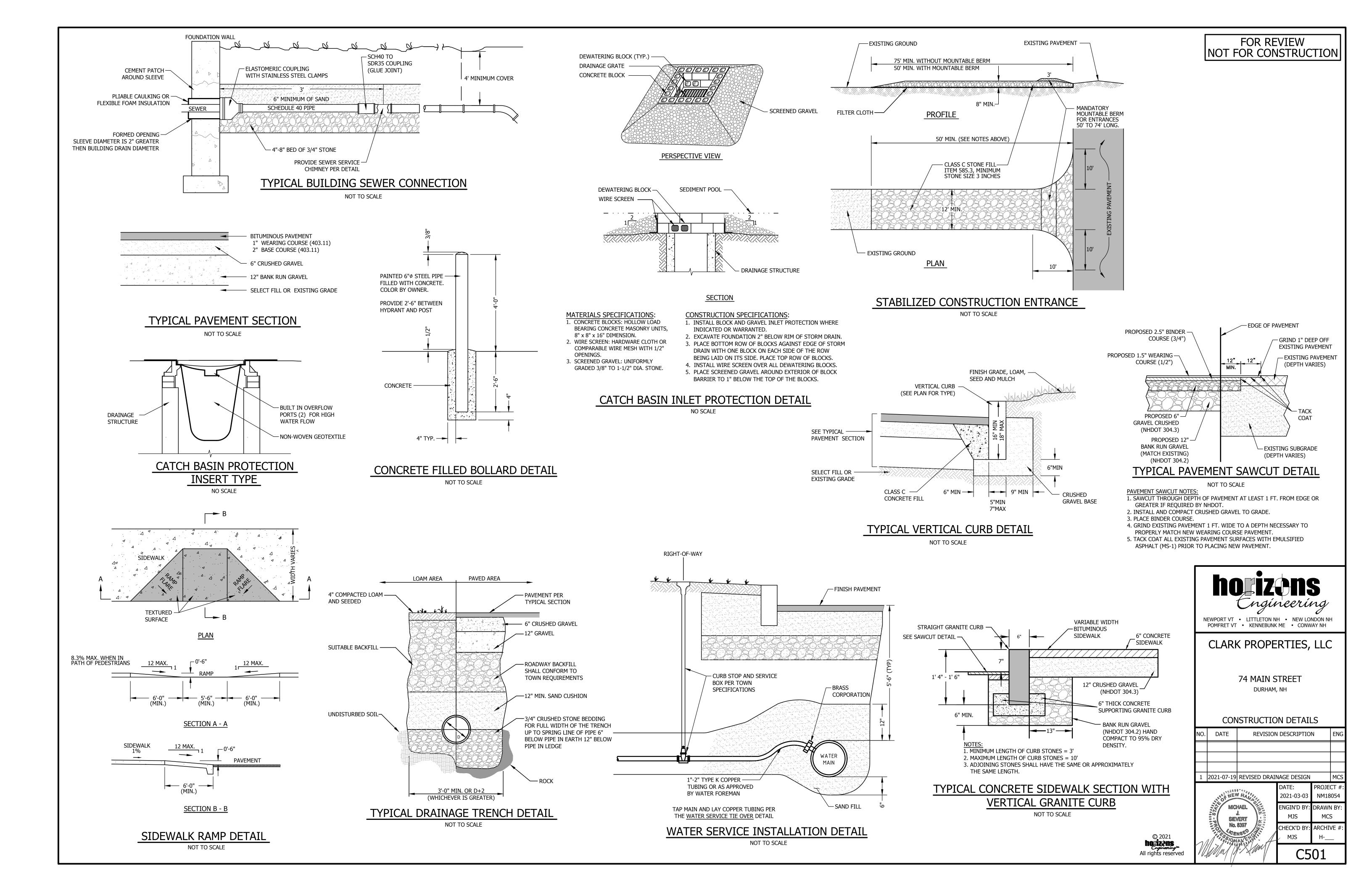
MICHAEL SIEVERT No. 8397

ENGIN'D BY: DRAWN BY MJS CHECK'D BY: ARCHIVE # MJS

JLG







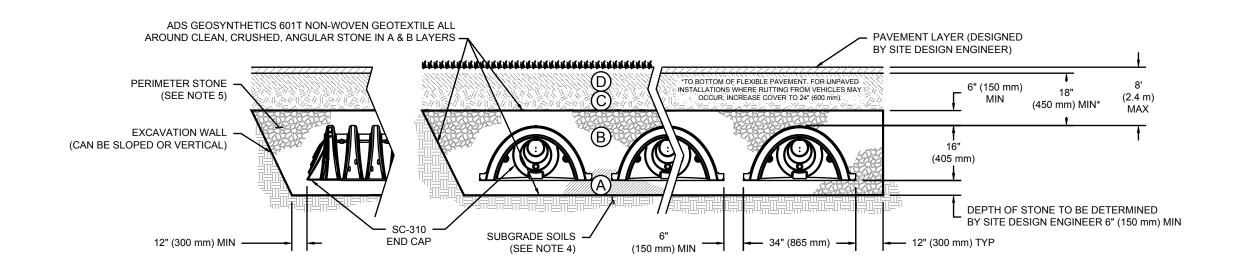
ACCEPTABLE FILL MATERIALS: STORMTECH SC-310 CHAMBER SYSTEMS

	MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT	
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.	
С	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145 ¹ A-1, A-2-4, A-3 OR AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).	
В	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.	
А	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER. CLEAN, CRUSHED, ANGULAR STONE		AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ^{2,3}	

1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE". STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.

3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR

4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.



1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2922 (POLETHYLENE) OR ASTM F2418-16a (POLYPROPYLENE), "STANDARD SPECIFICATION FOR CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".

- 2. SC-310 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION
- CHAMBERS" 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 MOISTURE CONDITIONS.
- 4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
- 5. REQUIREMENTS FOR HANDLING AND INSTALLATION:

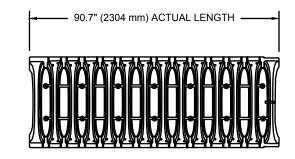
427 SYSTEM AREA (SF)
86.3 SYSTEM PERIMETER (ft)

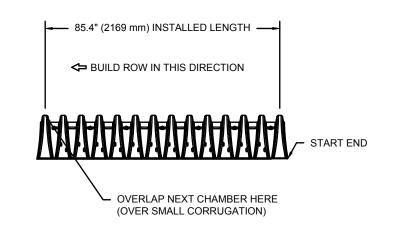
- TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
- TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
- TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2922 SHALL BE GREATER THAN OR EQUAL TO 400 LBS/IN/IN. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

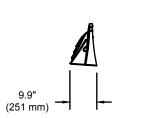
- 12" (300 mm) MIN WIDTH CONCRETE COLLAR NOT REQUIRED FOR UNPAVED APPLICATIONS CONCRETE COLLAR 8" NYLOPLAST INSPECTION PORT **PAVEMENT** BODY (PART# 2708AG4IPKIT) OR TRAFFIC RATED BOX W/SOLID LOCKING COVER 6" (150 mm) MIN THICKNESS TO BE CENTERED ON **CORRUGATION CREST** STORMTECH CHAMBER

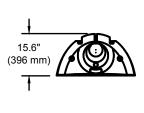
INSPECTION PORTS MAY BE CONNECTED THROUGH ANY CHAMBER CORRUGATION CREST

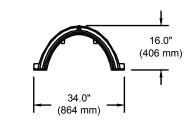
SC-310 TECHNICAL SPECIFICATION









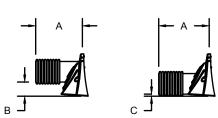


CHAMBER STORAGE MINIMUM INSTALLED STORAGE⁷

14.7 CUBIC FEET 31.0 CUBIC FEET 35.0 lbs.

34.0" X 16.0" X 85.4" (864 mm X 406 mm X 2169 mm) (0.42 m³) (0.88 m³) (16.8 kg)

*ASSUMES 6" (152 mm) ABOVE, BELOW, AND BETWEEN CHAMBERS



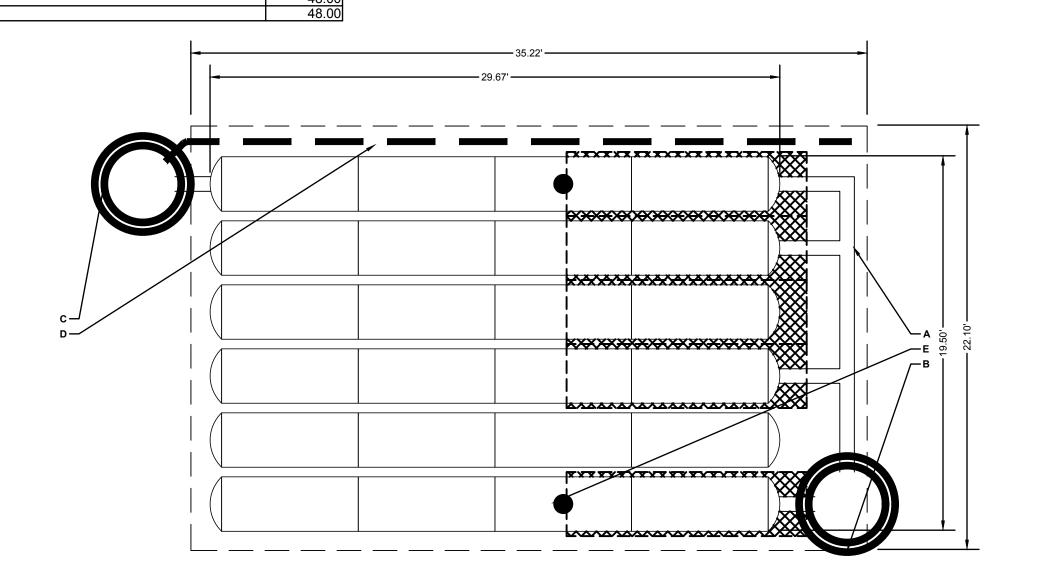
PRE-FAB STUB AT BOTTOM OF END CAP WITH FLAMP END WITH "BR" PRE-FAB STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B" PRE-FAB STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"

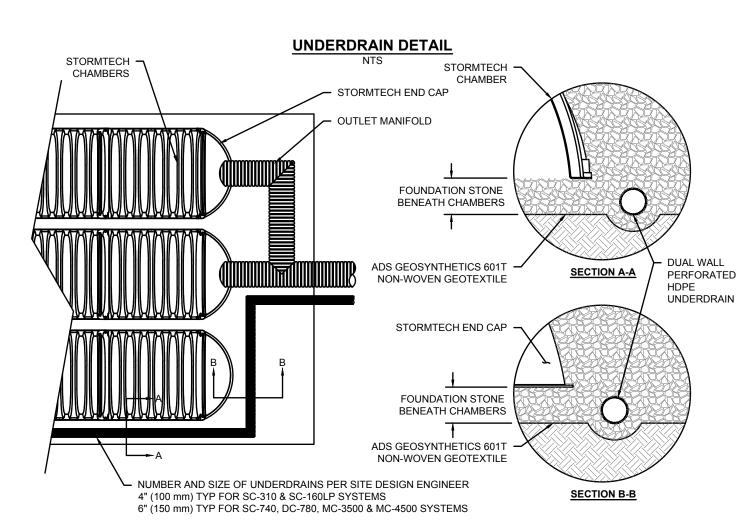
PRE CORED END CAPS END WITH "PC"						
PART#	STUB	Α	В	С		
SC310EPE06T / SC310EPE06TPC	6" (150 mm)	9.6" (244 mm)	5.8" (147 mm)			
SC310EPE06B / SC310EPE06BPC	0 (130 11111)	9.6 (244 11111)		0.5" (13 mm)		
SC310EPE08T / SC310EPE08TPC	8" (200 mm)	11.9" (302 mm)	3.5" (89 mm)			
SC310EPE08B / SC310EPE08BPC	0 (200 11111)	11.9 (302 11111)		0.6" (15 mm)		
SC310EPE10T / SC310EPE10TPC	10" (250 mm)	12.7" (323 mm)	1.4" (36 mm)			
SC310EPE10B / SC310EPE10BPC	10 (230 11111)	12.7 (323 11111)		0.7" (18 mm)		
SC310EPE12B	12" (300 mm)	13.5" (343 mm)		0.9" (23 mm)		
SC310EPE12BR	12" (300 mm)	13.5" (343 mm)		0.9" (23 mm)		

ALL STUBS, EXCEPT FOR THE SC310EPE12B ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT

* FOR THE SC310EPE12B THE 12" (300 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 0.25" (6 mm). BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL. NOTE: ALL DIMENSIONS ARE NOMINAL

*INVERT ABOVE BASE OF CHAMBER PROPOSED LAYOUT PROPOSED ELEVATIONS STORMTECH SC-310 CHAMBERS STORMTECH SC-310 END CAPS MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED **PART TYPE** DESCRIPTION INVERT* MAX FLOW LAYOUT MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC): 51.83 MANIFOLD A 8" x 8" BOTTOM MANIFOLD, MOLDED FITTINGS 0.60" MINIMUM ALLOWABLE GRADE (TOP OF RIGID CONCRÉTE PAVEMENT): 48" DIAMETER (24.00" SUMP MIN) 2.5 CFS IN STONE BELOW (in) MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT): DRAINAGE MANHOLE (OUTLET) 30" DIAMETER (DESIGN BY ENGINEER) 0.7 CFS OUT NSTALLED SYSTEM VOLUME (CF 49.83 UNDERDRAIN TOP OF STONE: TOP OF SC-310 CHAMBER: 8" x 8" BOTTOM MANIFOLD INVERT: 8" BOTTOM CONNECTION INVERT: 8" BOTTOM CONNECTION INVERT: BOTTOM OF SC-310 CHAMBER: UNDERDRAIN INVERT: BOTTOM OF STONE: D 6" ADS N-12 DUAL WALL PERFORATED HDPE UNDERDRAIN (PERIMETER STONE INCLUDED) 505 48.85 INSPECTION PORT E SEE STORMTECH INSPECTION PORT DETAIL (COVER STONE INCLUDED) (BASE STONE INCLUDED)







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CLARK PROPERTIES, LLC

POMFRET VT • KENNEBUNK ME • CONWAY NH

CONSTRUCTION DETAILS REVISION DESCRIPTION

1	2021-07-19	REVISED DRAINAGE DESIGN			MCS
DATE: PROJEC					CT #:

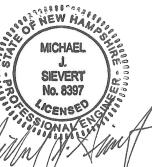
MJS

MJS

DRAWN B

MCS

ARCHIVE :



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> DATE OF PRINT 19 JULY 2021 HORIZONS ENGINEERING

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2021-07-19 NM18054 CHECK'D B

PLACE MINIMUM 12.50' OF ADSPLUS125 WOVEN GEOTEXTILE OVER BEDDING STONE AND UNDERNEATH CHAMBER FEET FOR SCOUR PROTECTION AT ALL CHAMBER INLET ROWS

---- Perimeter

NOTES

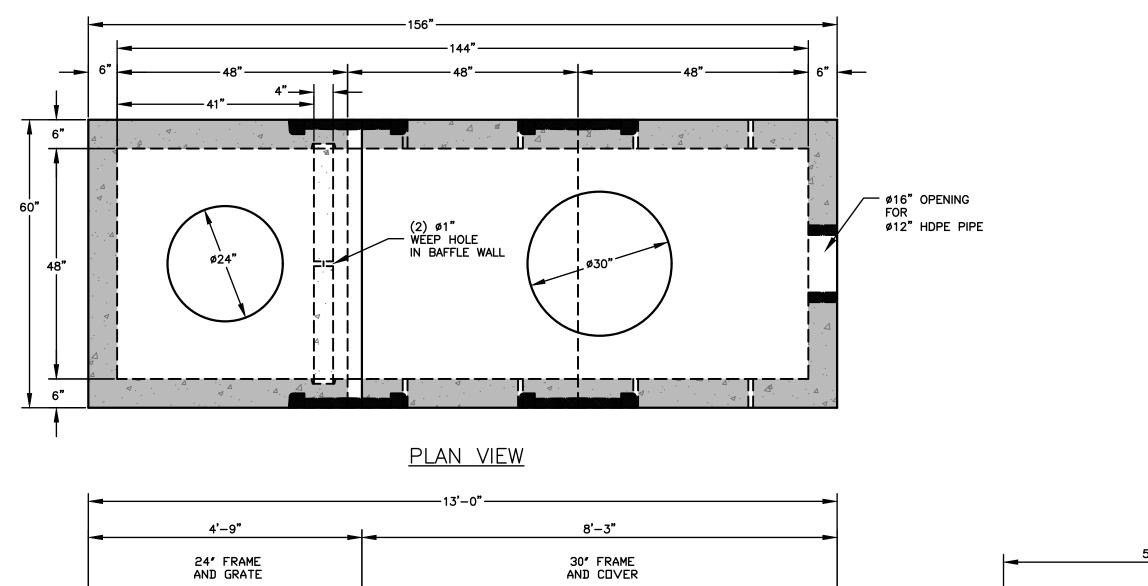
- MANIFOLD SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECH NOTE #6.32 FOR MANIFOLD SIZING GUIDANCE.

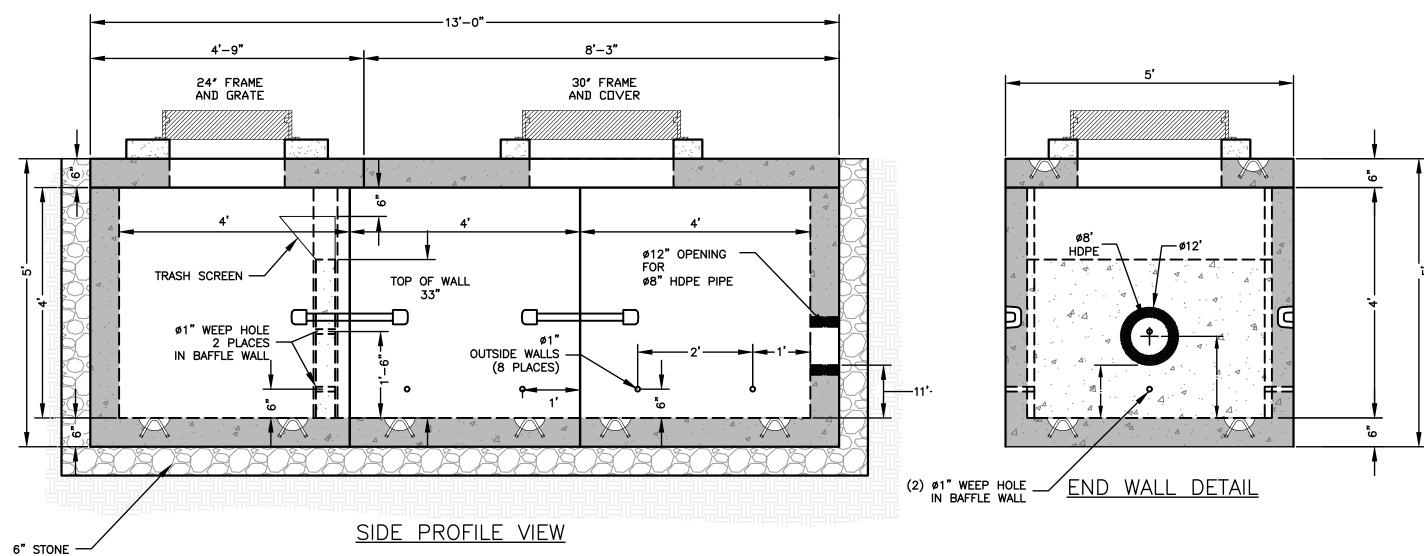
- DUE TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDARD MANIFOLD COMPONENTS IN THE FIELD.

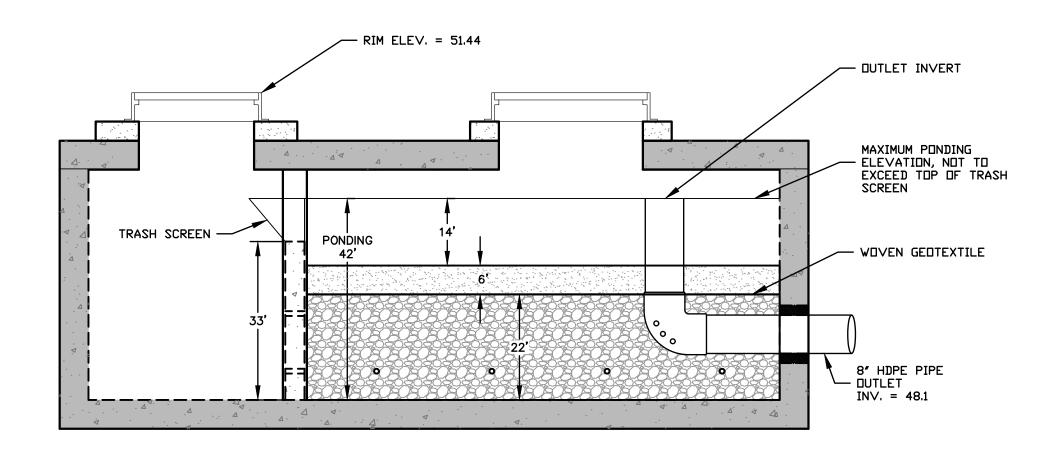
- THE SITE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE CHAMBER COVER REQUIREMENTS ARE MET.

- THIS CHAMBER SYSTEM WAS DESIGNED WITHOUT SITE-SPECIFIC INFORMATION ON SOIL CONDITIONS OR BEARING CAPACITY. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR DETERMINING
THE SUITABILITY OF THE SOIL AND PROVIDING THE BEARING CAPACITY OF THE INSITU SOILS. THE BASE STONE DEPTH MAY BE INCREASED OR DECREASED ONCE THIS INFORMATION IS PROVIDED.

NOT FOR CONSTRUCTION: THIS LAYOUT IS FOR DIMENSIONAL PURPOSES ONLY TO PROVE CONCEPT & THE REQUIRED STORAGE VOLUME CAN BE ACHIEVED ON SITE.







1. FILTER MEDIA COMPOSITION IS MIXED BY TOTAL VOLUME REQUIRED

- 1.1. 75-85% COARSE SAND (ASTM C-33 OR EQUIVALENT)
 1.2. 15-25% LOAM OR TOP SOIL
- 1.3. 0-5% WATER TREATMENT RESIDUALS OR IRON FILINGS. THIS IS AN AMENDMENT USED FOR ENHANCED PHOSPHORUS ADSORPTION
- 2. WOVEN GEOTEXTILE LAYER OR SILT FENCE MATERIAL. THIS LAYER IS TO REMOVE ALL SILT SIZE PARTICLES AND LARGER, AND PROTECT THE RESERVOIR STONE FROM FILLING WITH FINES. THIS IS ALSO THE DEPTH OF ROUTING MATERIALS. WHICH INVOLVES REMOVING FILTER MEDIA AND GEOTEXTILE AND REPLACING WITH NEW.
- 3. RESERVOIR STONE CAN CONSIST OF A WIDE RANGE OF STONE SIZES. PREFERABLY A WASHED STONE OF CONSISTENT GRADATION. e.g. 3/4" OR No. 57 STONE.
- 4. SYSTEM OUTLET CONFIGUTRATION CONSISTS OF A 90degree ELBOW AND SHORT STUB PIECES OF HDPE DOUBLE WALLED OR SDR 35. THE ELEVATION AND DIRECTION THAT THE OUTLET EXITS CAN BE PLUMBED TO BEST FIT THE EXISTING INFRASTRUCTURE. THE OUTLET PIPE SHALL BE SIZED TO PASS THE PREFERRED DESIGN STORM.
- 5. DRAINAGE HOLES SHOULD BE DRILLED IN THE OUTLET ELBOW TO DRAIN THE WATER DURING AND BETWEEN STORMS. THE HOLES SHALL BE IN A VERTICAL PLACEMENT TO PROVIDE ADDITIONAL CAPACITY AS THE SYSTEM FILLS. THE HOLES SHOULD BE SMALL ENOUGH TO PREVENT RESERVOIR STONE FROM DRAINING THROUGH. NUMBER AND SIZE OF WEEP HOLES CAN BE DETERMINED BY RESIDENT ENGINEER.
- 6. OPTIONAL 1" WEEP HOLES IN EXTERIOR WALLS OF BOX STRUCTURE CAN BE REMOVED FROM PRODUCTION OR PLUGGED IF PREFERRED. BENEFITS INCLUDE: SYSTEM DRAIN DOWN BETWEEN STORMS, GROUNDWATER RECHARGE, AND VOLUME REDUCTION.



CLARK PROPERTIES, LLC

74 MAIN STREET DURHAM, NH

CONSTRUCTION DETAILS

NO.	DATE	REVISION	I DESCRIPTIO	N	ENG
1	2021-07-19	REVISED DRAI		MCS	
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MICHAEL SIEVERT No. 8397

2021-07-19 NM18054 MJS CHECK'D B MJS

DRAWN B

MCS

ARCHIVE #

NOT FOR CONSTRUCTION DATE OF PRINT

FOR REVIEW

19 JULY 2021

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