

LOCUS MAP



BARTLETT (PUBLIC ROADWAY) STREET

MAIN STREET

EAST

(PUBLIC ROADWAY)

MAP D5, BLOCK 6, LOT 36  
EDUARDO D. & HANNAH G. JARO  
50-52 EAST MAIN STREET

MAP D5, BLOCK 6, LOT 1  
MICHAEL BECKER  
58 EAST MAIN STREET

MAP D5, BLOCK 6, LOT 2  
DANIEL E. & ELEANOR J. NORIAN  
62 EAST MAIN STREET

LOT 3  
139,392 S.F.  
3.2 ACRES

MAP D5, BLOCK 6, LOT 4  
TINA A. MELCHIONNO  
72 EAST MAIN STREET

MAP D5, BLOCK 6, LOT 5  
TINA A. MELCHIONNO  
78 EAST MAIN STREET

MAP D5, BLOCK 6, LOT 6  
CHACON HENRY G  
82 EAST MAIN STREET

FAGAN DRIVE

MAP D5, BLOCK 6, LOT 7  
TOWN OF AVON  
(POLICE DEPARTMENT)  
86 FAGAN DRIVE

MAP D6, BLOCK 6, LOT 34  
MARTIN CHRISTOPHER J  
38 EAST MAIN STREET

EXISTING INTERMITTENT STREAM

BORDERING VEGETATED WETLAND AS DELINEATED BY ENVIRONMENTAL CONSULTING & RESTORATION, LLC AND LOCATED BY THIS FIRM

ROBINS STREET CONSERVATION AREA

GENERAL NOTES :

ASSESSORS MAP : D5, BLOCK : 6 LOT : 3  
LOCUS DEED REFERENCE : BOOK 39777, PAGE 312  
ZONING : MUL (MIXED USE LOW DENSITY)  
FRONT SETBACK : 6'  
SIDE SETBACK : 10'  
REAR SETBACK : 50'

APPLICANT/OWNER :  
ADLEY ELECTRIC, LLC  
59 BAYWOOD AVENUE  
STOUGHTON, MA. 02072

ZONING TABLE		
ZONE:	MIXED USE LOW DENSITY	
PROPOSED USE:	RESIDENTIAL	
MIN. LOT AREA	REQUIRED	PROVIDED
FRONTAGE	25,000 S.F.	139,392 S.F.
MIN. LOT AREA PER DWELLING UNIT	100'	55.24'
FRONT SETBACK	10,000 S.F.	139,392 S.F.
SIDE SETBACK	6'	--
REAR SETBACK	10'	--
	50'	--

LEGEND

- = UTILITY POLE/GUY WIRE
- = WATER GATE/SHUT-OFF
- = CATCH BASIN
- = DRAIN MANHOLE
- = SEWER MANHOLE
- = HYDRANT
- = TRANSFORMER
- = ELECTRIC BOX
- = CHAIN LINK FENCE
- = GAS GATE
- = CONTOURS
- = SPOT GRADE
- = LIGHT POLE
- = WETLAND FLAG
- = TREES, BUSHES
- = OVERHEAD ELECTRIC
- = UNDERGROUND ELECTRIC
- = SEWER LINE
- = WATER LINE
- = GAS LINE
- = WETLANDS
- = SIGN
- = TEST PIT

Assessors Map: D5 Block: 6 Lot: 3  
68 East Main Street, Avon, Massachusetts

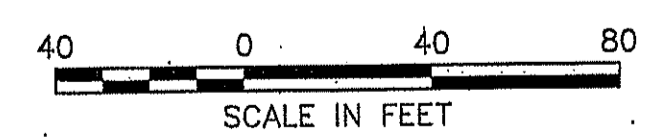
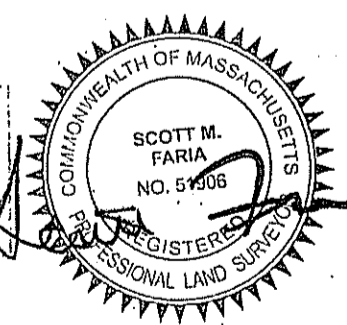
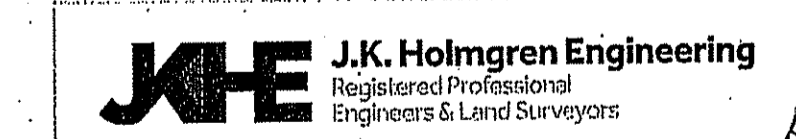
PREPARED FOR

ADLEY ELECTRIC

TITLE  
PLAN TO ACCOMPANY  
ZBA APPLICATION

J.K. HOLMGREN ENGINEERING, INC.

Registered Professional Engineers and Land Surveyors  
1024 Pearl Street, Brockton, MA. 02301  
Phone - (508) 583-2595 Fax - (508)-588-7518  
Email : sfaria@jkholmgren.com



SCALE: 1" = 40'

DATE: 10/19/2022

NO.	BY	DATE	REMARKS

C-1

DRAWING NUMBER

H:\2021\2021-023 Adley Electric, 68 E. Main St., Avon\SURVEY\2021-023052.dwg  
2021-023

TEST PIT # 5 GRD. EL. 98.8  
 GW. EL. 90.3  
 DATE: 8-19-21 MOTTLES EL. 90.3  
 TEST BY: TONY ESPOSITO  
 WITNESSED BY: KATHLEEN WALDRON  
 CERTIFIED BY: JK HOLMGREN ENGINEERING

DEPTH (IN)	SOIL HORIZON	SOIL TEXTURE	OTHER
0-42"		FILL	
42-81"	C1	SL	
81-102"	C2	LS	

MOTTLES @ N/A  
 WATER OBSERVED @ N/A  
 PERC RATE 4 MIN/INCH  
 EST. HIGH GROUND WATER 102'

TEST PIT # 6 GRD. EL. 98.6  
 GW. EL. 94.6  
 DATE: 8-19-21 MOTTLES EL. 94.6  
 TEST BY: TONY ESPOSITO  
 WITNESSED BY: KATHLEEN WALDRON  
 CERTIFIED BY: JK HOLMGREN ENGINEERING

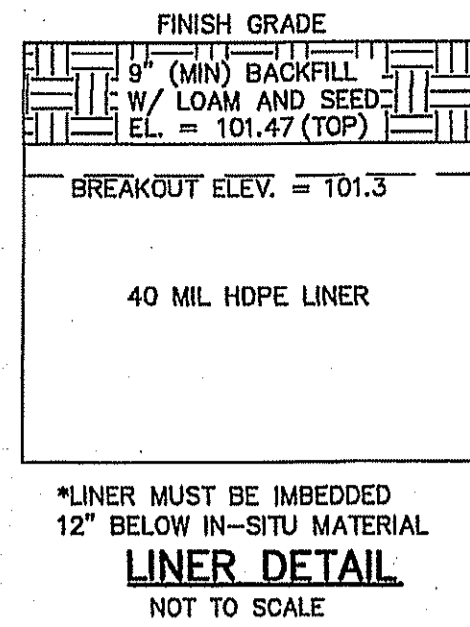
DEPTH (IN)	SOIL HORIZON	SOIL TEXTURE	OTHER
0-24"		FILL	
24-36"	Bw	SL	
36-72"	C1	SL	
72-93"	C2	LS	LOOSE, 10% STONES, 30% GRAVEL

MOTTLES @ 48" (7.5/5/8)  
 WATER OBSERVED @ 86"  
 PERC RATE 4 MIN/INCH  
 EST. HIGH GROUND WATER 48'

TEST PIT # 9 GRD. EL. 98.8  
 GW. EL. 94.5  
 DATE: 8-19-21 MOTTLES EL. 94.5  
 TEST BY: TONY ESPOSITO  
 WITNESSED BY: KATHLEEN WALDRON  
 CERTIFIED BY: JK HOLMGREN ENGINEERING

DEPTH (IN)	SOIL HORIZON	SOIL TEXTURE	OTHER
0-36"		FILL	
36-51"	Bw	SL	
51-99"	C	LS	

MOTTLES @ 51"  
 WATER OBSERVED @ 83"  
 PERC RATE 8 MIN/INCH  
 EST. HIGH GROUND WATER 51'

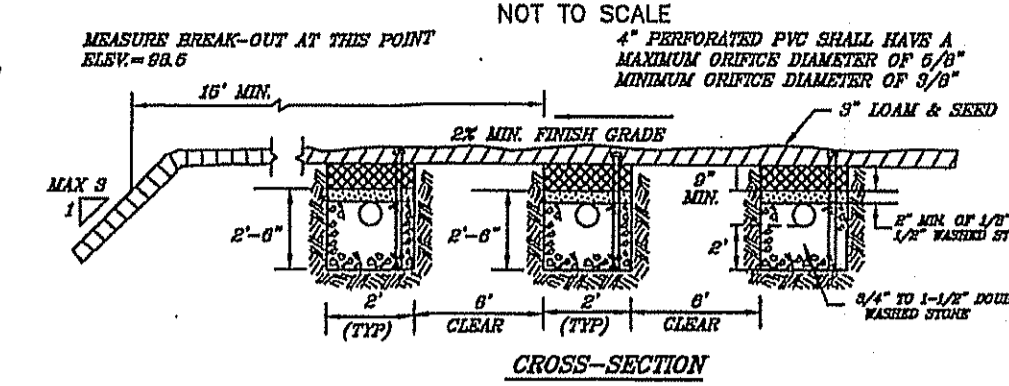


**GENERAL NOTES:**

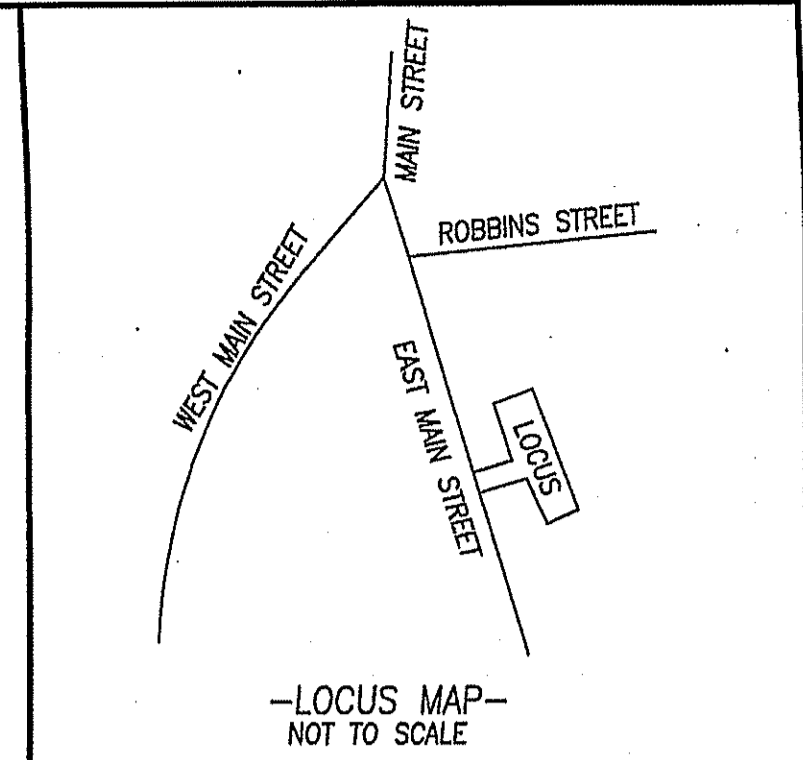
ASSESSORS MAP: D5, BLOCK: 6 LOT: 3  
 LOCUS DEED REFERENCE: BOOK 24661, PAGE 122-3  
 ZONING: MUL (MULTI - USE)  
 FRONT SETBACK: 6'  
 SIDE SETBACK: 10'  
 REAR SETBACK: 50'  
 APPLICANT: ADLEY ELECTRIC, LLC  
 59 BAYWOOD AVENUE  
 STOUGHTON, MA. 02072  
 OWNER: THOMPSON MANOR REALTY TRUST II  
 576 WEST MAIN STREET  
 AVON, MA. 02322

**LEACHING AREA DESIGN**  
 DAILY FLOW:  
 FAMILY DWELLING, MULTIPLE: (110 GPD) / (BEDROOM) X (6 BEDROOMS) = 660 GPD  
 TOTAL DAILY FLOW = 660 GPD  
 SEPTIC TANK  
 (660 GPD) X (200%) = 1320 GALLONS (USE 1,500 GALLON TANK)  
 LEACHING AREA REQUIRED:  
 PERC RATE = 10 MIN/INCH  
 LTAR = 0.60 GPD/SF  
 660 GPD / 0.60 GPD/SF = 1100 SF  
 LEACHING AREA PROVIDED:  
 BOTTOM: 2'x30' = 60 SF X 6 TRENCHES = 360 SF  
 SIDEWALL: (2+2+3+3+3+3)X(2.0)X5 TRENCHES = 788 SF  
 1128 SF X 0.60 GPD/SF = 676.8 GPD  
 DESIGN FLOW:  
 676.8 GPD > 660 GPD OK

**LEACHING TRENCH DETAIL:**



Design Schedule	ELEVATION
FINISHED FLOOR	104.0
GARAGE SLAB FOUNDATION	
SEWER INVERT AT FOUNDATION	101.55
SEWER INVERT INTO SEPTIC TANK	101.45
SEWER INVERT OUT OF SEPTIC TANK	101.2
SEWER INVERT INTO DISTRIBUTION BOX	100.98
SEWER INVERT OUT OF DISTRIBUTION BOX	100.81
SEWER INVERT INTO LEACHING SYSTEM	100.75
BOTTOM OF LEACHING FIELD	98.6
WATER TABLE (MOTTLES TP#6)	94.6

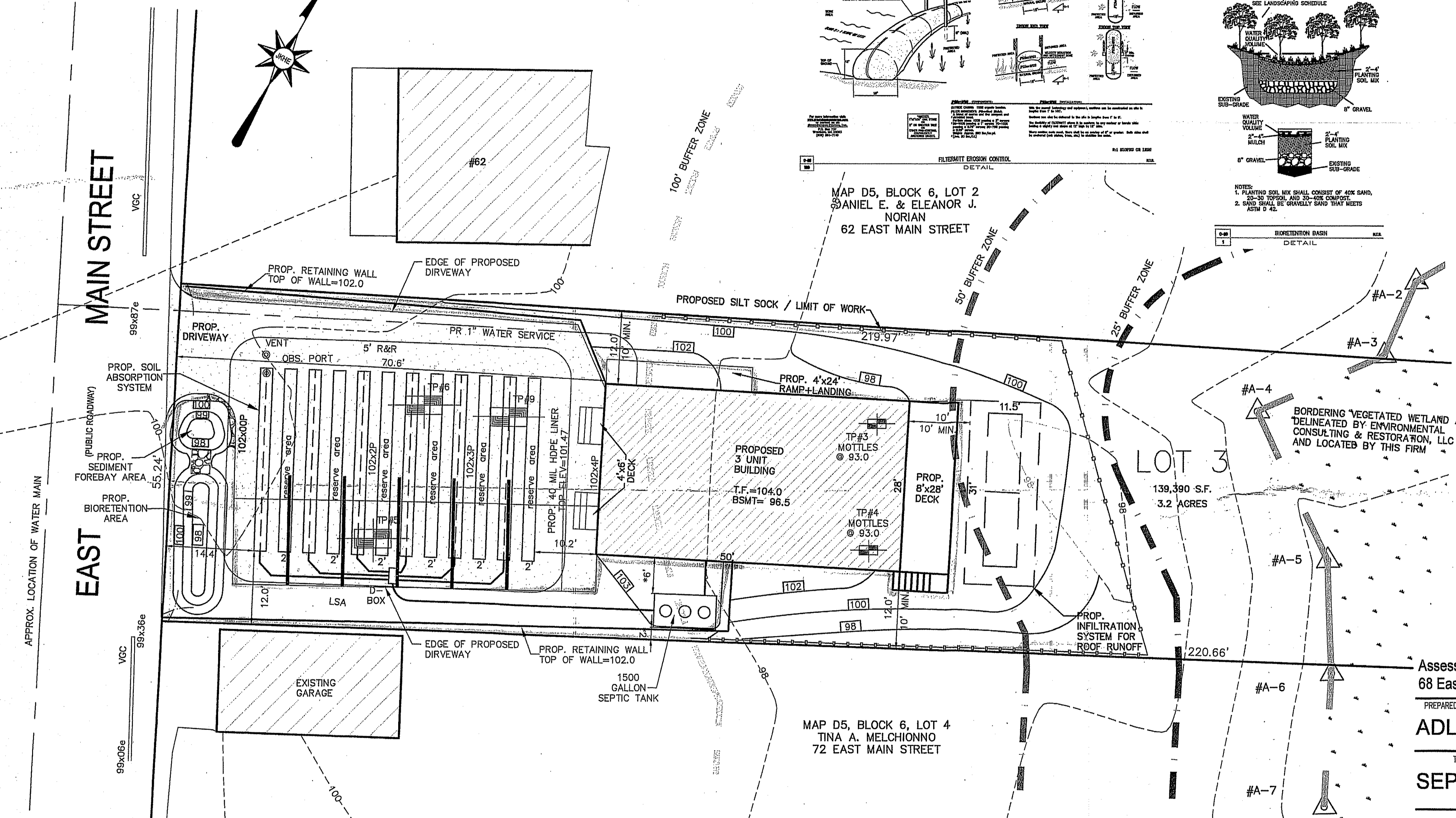


**GENERAL NOTES:**

ALL SYSTEM COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH TITLE V OF THE STATE SANITARY CODE DATED MARCH 31, 1995 AND ANY LOCAL APPLICABLE RULES AND SHALL BE MARKED WITH MAGNETIC TAPE.  
 ANY CHANGE TO THIS PLAN MUST BE APPROVED IN WRITING BY THE DESIGN ENGINEER.  
 WHEN CONSTRUCTION IS COMPLETED, PRIOR TO BACKFILLING, NOTIFY THE ENGINEER & BOARD OF HEALTH AGENT FOR INSPECTION.  
 FOUNDATION ELEVATION MUST BE CHECKED WHEN COMPLETED.  
 THESE ELEVATIONS MUST NOT BE CHANGED WITHOUT WRITTEN APPROVAL BY THE DESIGN ENGINEER.  
 HEAVY EQUIPMENT SHALL NOT BE ALLOWED TO OPERATE OVER THE LIMITS OF THE SEWAGE DISPOSAL SYSTEMS DURING THE COURSE OF CONSTRUCTION OF THE SYSTEMS.  
 WITHIN AREA SHOWN, ALL UNSUITABLE MATERIAL (A & B HORIZONS) TO BE REMOVED AND REPLACED WITH SOIL CONSISTING OF CLEAN GRANULAR SAND, FREE FROM ORGANIC MATTER AND DELETERIOUS SUBSTANCES, MIXTURES AND LAYERS OF DIFFERENT CLASSES OF SOIL SHALL NOT BE USED. FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN 2 INCHES. A SIEVE ANALYSIS, USING A #4 SIEVE, SHALL BE PERFORMED ON A REPRESENTATIVE SAMPLE OF UP TO 45% BY WEIGHT OF THE FILL SAMPLE MAY BE RETAINED ON THE #4 SIEVE. SIEVE ANALYSIS ALSO SHALL BE PERFORMED ON THE FRACTION OF THE FILL SAMPLE PASSING THE #4 SIEVE. SUCH ANALYSIS MUST DEMONSTRATE THAT THE MATERIAL MEETS EACH OF THE FOLLOWING SPECIFICATIONS:

SEIVE SIZE	EFFECTIVE PARTICLE SIZE	% THAT PASS SIEVE
# 4	4.75 MM	100%
# 50	0.30 MM	10%-100%
# 100	0.15 MM	0%-20%
# 200	0.075 MM	0%-5%

LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE AND SHOULD BE VERIFIED IN THE FIELD BY THE APPROPRIATE UTILITY COMPANY PRIOR TO ANY CONSTRUCTION.  
 THIS SYSTEM IS NOT DESIGNED FOR THE USE OF A GARBAGE GRINDER.  
 \* WAIVER REQUESTED



Assessors Map: D5 Block: 6 Lot: 3  
 68 East Main Street, Avon, Massachusetts  
 PREPARED FOR  
**ADLEY ELECTRIC**  
 TITLE  
**SEPTIC SYSTEM DESIGN PLAN**

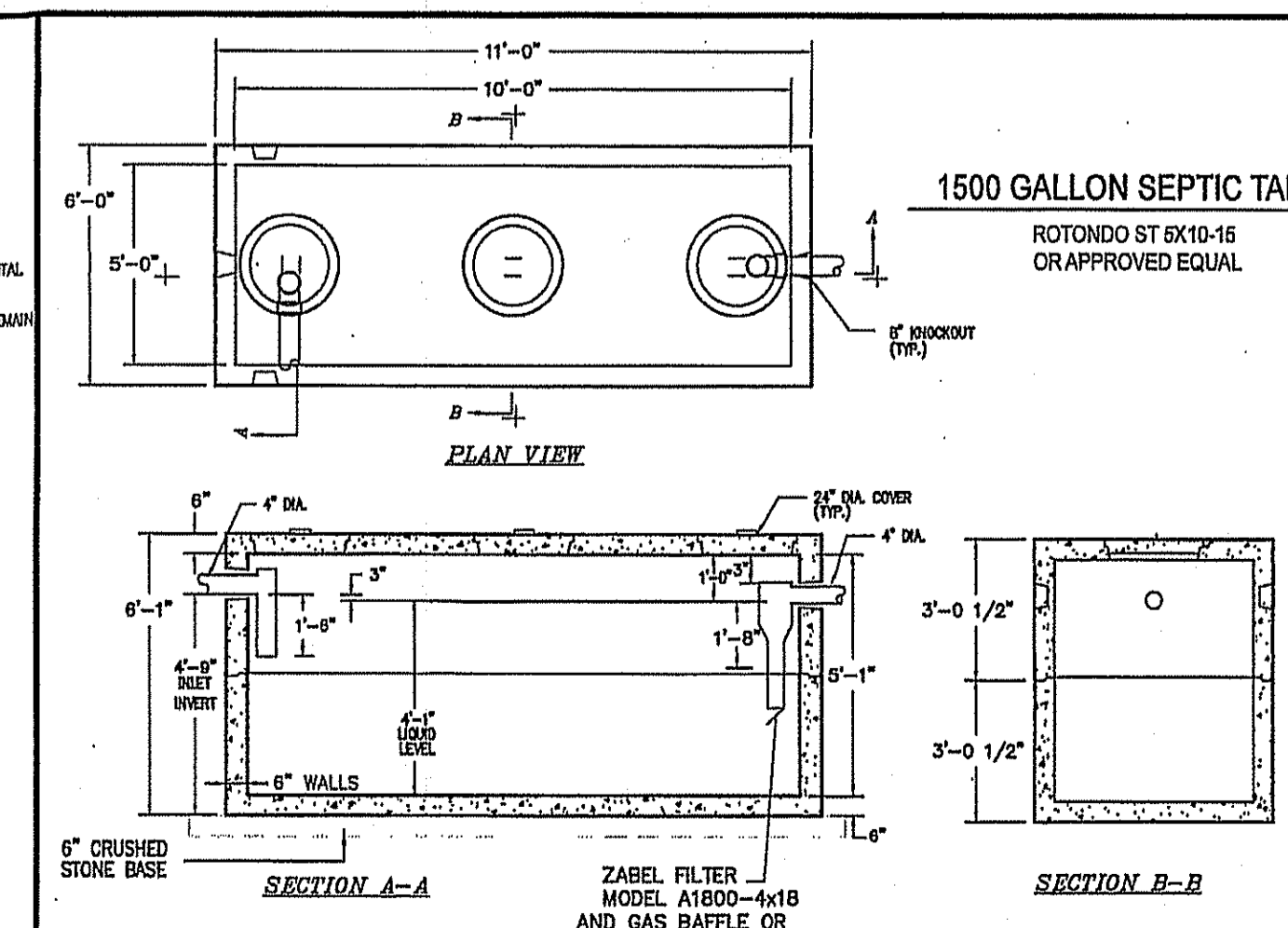
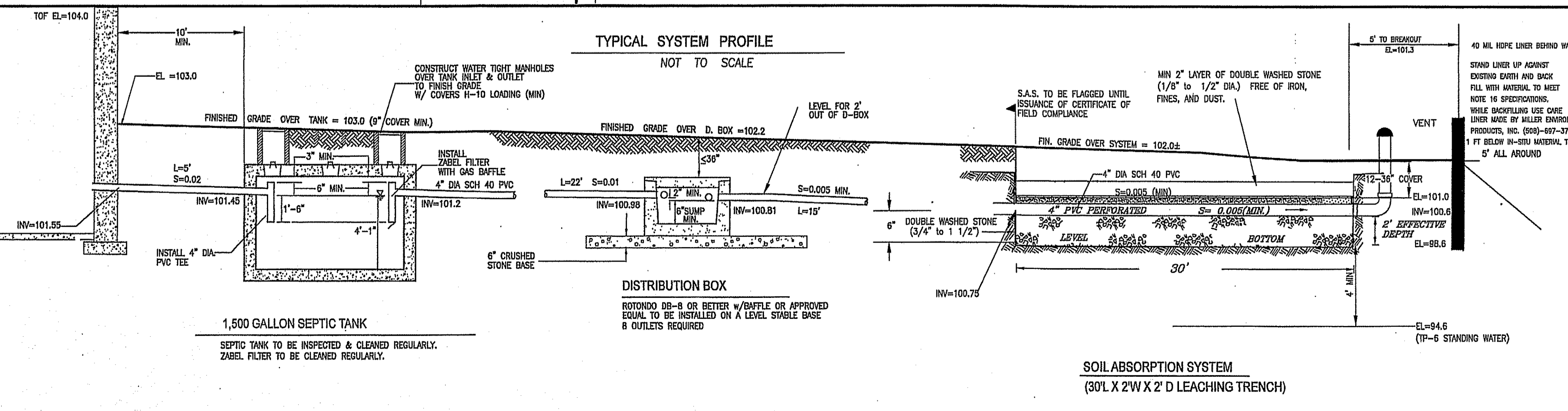
**J.K. HOLMGREN ENGINEERING, INC.**  
 Registered Professional Engineers and Land Surveyors  
 1024 Pearl Street, Brockton, MA. 02301  
 Phone - (508) 583-2595 Fax - (508)-588-7518  
 Email - sfaria@jkholmgren.com



SCALE IN FEET  
 SCALE: 1" = 10'  
 DATE: 09/08/2021

NO.	BY	DATE	REMARKS
1	CM	1.19.22	GENERAL REVS.

H:\2021\2021-023\SURVEY\2021-023SDS1.dwg  
 2021-023



**C-1**  
 DRAWING NUMBER