

APPLICATION/AGREEMENT

For Trench/Disturbance Permit within the City of New Bedford

Permit # 45-2021
Dig Safe # 20210405512
Date: 01/28/21

TO THE MAYOR AND CITY COUNCIL:

DISTURBANCE PERMIT/TRENCH SAFETY PERMIT

Permission is hereby requested to excavate the surface of : X City Property and/or X Private Property
Provide Sketch

Location of Work: Calumet St.

Working from Brock Ave – W. Rodney Frnch Blvd and 25 ft at intersections

Relay Gas Main & Services

Work will begin (weather permitting) on: February 11, 2021

Applicant Name: Kevin O'Sullivan (gk) Excavator(s) Name: _____

Company Name: Eversource Hoisting Equipment License Number: _____

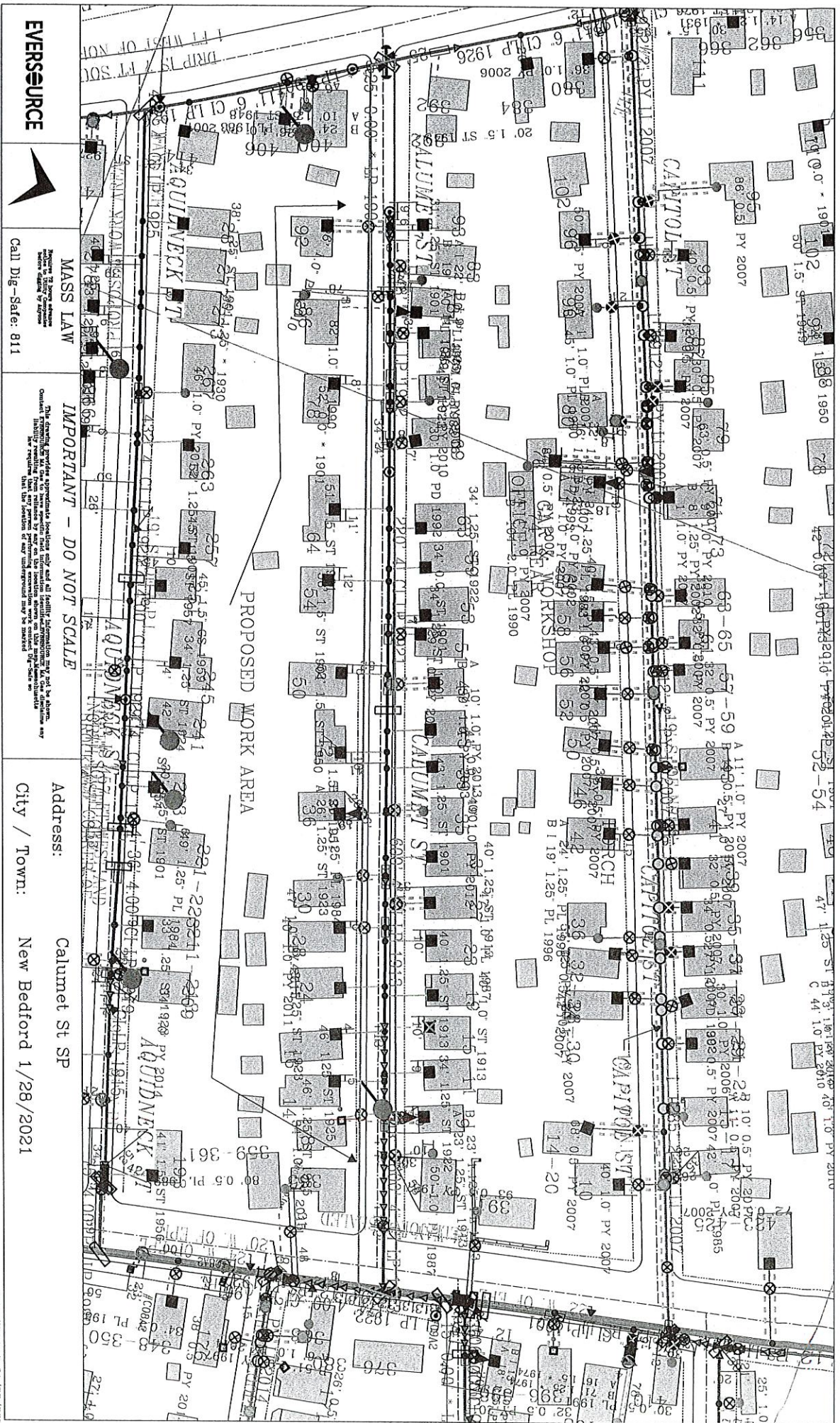
Grade: _____ Expiration Date: _____

Contact Number: 508-441-5817 Name & Contact Number of Insurer: _____

Competent Person on Work Site: ON FILE APPROVED BY: _____ DATE: _____

TITLE: _____

This permit shall be posted at the work site, and shall remain until the work is completed. It is subject to inspection at all times.



EVERSOURCE MA GAS

One NSTAR Way
Westwood, MA 02090
Phone 1-800-592-2000

MASS LAW

Call Dig-Safe: 811

IMPORTANT - DO NOT SCALE

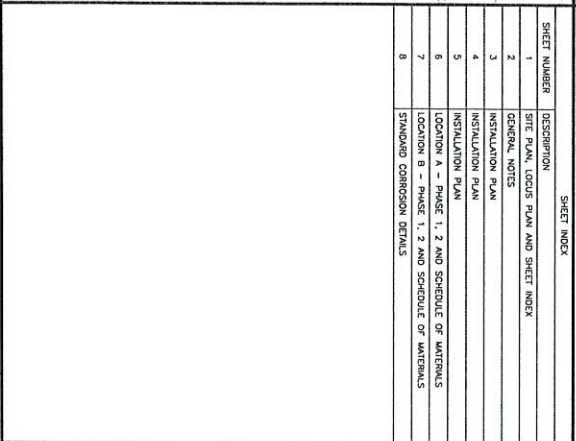
Address: Calumet St SP

City / Town: New Bedford 1/28/2021

Date Plotted: 01/28/2021



SHEET INDEX	
SHEET NUMBER	DESCRIPTION
1	SITE PLAN, LOCUS PLAN AND SHEET INDEX
2	GENERAL NOTES
3	INSTALLATION PLAN
4	INSTALLATION PLAN
5	INSTALLATION PLAN
6	LOCATION A - PHASE 1, 2 AND SCHEDULE OF MATERIALS
7	LOCATION B - PHASE 1, 2 AND SCHEDULE OF MATERIALS
8	STANDARD CORROSION DETAILS



NO	DESCRIPTION	DATE	UPRI/EK DWICAP
0	ISSUED FOR CONSTRUCTION	11/23/2020	

REVISIONS					
EVERSOURCE					
ENERGY					
CALUMET STREET MAIN RELAY					
NEW BEDFORD, MASSACHUSETTS					
SITE PLAN, LOCUS PLAN AND SHEET INDEX					
SCALE AS NOTED					
DRAWN BY / DATE	CHECKED BY / DATE	SHEET 1 OF 8			
JR-10/09/2006	AB-11/23/2020	SHEET NUMBER			
MR-10/09/2006	MA-11/23/2020	REV NO.			
EK-7/13/2020	MA-11/23/2020	0			
		MA-21-PWP-NIB-BD-004-01			

GENERAL NOTES

- IF ANY OF THE FOLLOWING OCCUR A DRAWING REVISION IS REQUIRED AND MUST BE APPROVED AND/OR STAMPED BY THE ENGINEER OF RECORD. CHANGES CAN BE APPROVED AND/OR STAMPED BY A PROJECT ENGINEER, BUT THE ENGINEER OF RECORD MUST BE INFORMED.
 - PIPE SHALL SHOWN
 - IF A CHANGE IN THE LOCATION OF VALVES IS REQUIRED
 - IF THERE IS ANY CHANGE TO WHAT IS SHOWN ON THE DRAWING WITHIN 50 FT OF A PRESSURE REGULATING STATION, DISTRICT REGULATOR OR GATE STATION
 - IF A CHANGE IN PIPE SIZE, MATERIAL, FITTINGS, OR WALL THICKNESS IS REQUIRED
- MINOR CHANGES SUCH AS OFFSETS MAY NOT REQUIRE DRAWING CHANGES.
- EXCAVATOR SHALL CALL DISCREPANCY BEFORE YOU DIG. CALL 811 AT LEAST 72 HOURS PRIOR TO CONSTRUCTION. SATURDAYS, SUNDAYS, AND HOLIDAYS ARE EXCLUDED FROM THE PRIOR TIME SPAN, NOT CONSIDERED BUSINESS WORKDAYS.
- CONSTRUCTION DRAWINGS ARE BASED ON EVERSOURCE HISTORICAL DOCUMENTATION AND HAVE NOT BEEN FIELD VERIFIED. WHEN THE PIPE IS EXPOSED AND ADJANCES TO THE CERTIFIED DRAWINGS ARE FOUND, CONTACT GAS ENGINEERING TO DETERMINE PATH FORWARD.
- ALL WORK SHALL BE PERFORMED PER EVERSOURCE, LOCAL, STATE, OSHA, AND FEDERAL REGULATIONS AND STANDARDS.
- MATERIAL AND CONSTRUCTION SHALL CONFORM TO EVERSOURCE GAS STANDARDS.
- THE LOCATIONS OF EXISTING UTILITIES AND UNDERGROUND STRUCTURES ARE APPROXIMATE AND MUST BE FIELD VERIFIED. ADDITIONAL UNDERGROUND FACILITIES MAY EXIST THAT ARE NOT SHOWN ON THESE DRAWINGS WHICH MAY REQUIRE ADDITIONAL OFFSETS IN THE PIPELINE.
- WORK LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. EXACT LOCATIONS OF TIE-INS SHALL BE DETERMINED AT THE TIME OF CONSTRUCTION TO SUIT FIELD CONDITIONS AT THE SPECIFIC TIE-IN POINT. VERIFY LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO BEGINNING ANY TIE-IN WORK.
- ALL LIFE GAS WORK INCLUDING BUT NOT LIMITED TO TAPPING OF FITTINGS ON LIFE MAINS, STOPPING, MANIPULATING VALVE, ABANDONMENT, SHALL BE PERFORMED BY, OR AT THE DIRECTION AND UNDER THE DIRECT SUPERVISION OF EVERSOURCE GAS PERSONNEL, AND IN ACCORDANCE WITH THE WRITTEN PROCEDURE. DRAWING CHANGES MAY ALSO REQUIRE A CHANGE TO THE PROCEDURE.
- EXCAVATOR IS REQUIRED TO PROTECT EXISTING UTILITIES, STRUCTURES, LANDSCAPE FEATURES, SIGNAGE, CURBS, ETC. CARE SHOULD BE TAKEN NOT TO DISTURB OR DAMAGE SUCH ROADWAY, SIDEWALKS, AND GRASS. DISTURBED SHALL BE RESTORED TO THE SATISFACTION OF THE CITY OR TOWN. PLANT BEDS WILL BE RELOCATED TO THEIR EXISTING REGULAR LOCATION.
- IF THE PROJECT IS WITHIN 50 FEET OF A DISTRICT REGULATOR OR GATE STATION, ENSURE THAT A QUALIFIED IR TECHNICIAN IS ON SITE.
- ALL TRAFFIC CONTROL SHALL CONFORM TO THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES MUTCD, INCLUDING ALL REVISIONS AND ADDENDA. ALL TRAFFIC CONTROL DEVICES WILL BE SUPPLIED BY EXCAVATOR.
- PROPERTY LINES, STRUCTURES AND EXISTING CONDITIONS DERIVED ON PLANS ARE BASED ON EVERSOURCE GIS INFORMATION AND HAVE NOT BEEN VERIFIED BY LAND SURVEY UNLESS NOTED.
- EXISTING SERVICES SHOWN ON PLANS ARE FOR INFORMATION ONLY. PROPOSED SERVICES ARE NOT SHOWN ON PLANS AND ARE TO BE INSTALLED PER EVERSOURCE CONSTRUCTION STANDARDS.
- PROPOSED WORK SHALL BE PERFORMED AND COMPLETED IN COMPLIANCE WITH ALL PERMITS AND APPROVALS.
- MAINS AND SERVICES SHALL BE PRESSURE TESTED IN ACCORDANCE WITH EVERSOURCE CM-305.
- MAOP:
 - LP - 14 W.C.
 - LP - 14 W.C.
 - LP - 14 W.C.
 - LP - 60 PSIG
 - HP - 80 PSIG
- ALL WORK SHALL BE PERFORMED PER EVERSOURCE, LOCAL, STATE AND FEDERAL REGULATIONS AND STANDARDS.
- ALL PIPE WILL BE INSTALLED WITH A MINIMUM DEPTH IN ACCORDANCE WITH EVERSOURCE STANDARDS
- SQUEEZE OPERATIONS SHOULD BE COMPLETED IN ACCORDANCE WITH CM-233
- ENSURE ALL SERVICES BEING TRANSFERRED TO A HIGHER PRESSURE SYSTEM HAVE UPGRADED PRESSURE REGULATORS INSTALLED PRIOR TO ACTIVATION.
- ENSURE VALVES ON EXISTING MAIN, WHERE PROPOSED MAIN WILL BE INSERTED HAVE BEEN MADE INOPERABLE.
- ADDITIONAL VALVES AND TEES THAT ARE INCLUDED IN THE SCHEDULE OF MATERIALS MAY BE INSTALLED TEMPORARILY WHEN NEEDED TO FACILITATE TIE-INS AND PURGES.
- METRIC FITTINGS MAY BE SUBSTITUTED FOR ELECTROFUSION FITTINGS WHERE NEEDED.
- DO NOT SCALE FROM DRAWINGS.

ISSUED FOR
CONSTRUCTION
11/23/2020



SCALED BY

SCALED ON

11/24/2020

09/30/2022



FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

REVISION STATUS			
NO.	DESCRIPTION	DATE	BY
0	ISSUED FOR CONSTRUCTION	11/23/2020	LR/BEREK
1			
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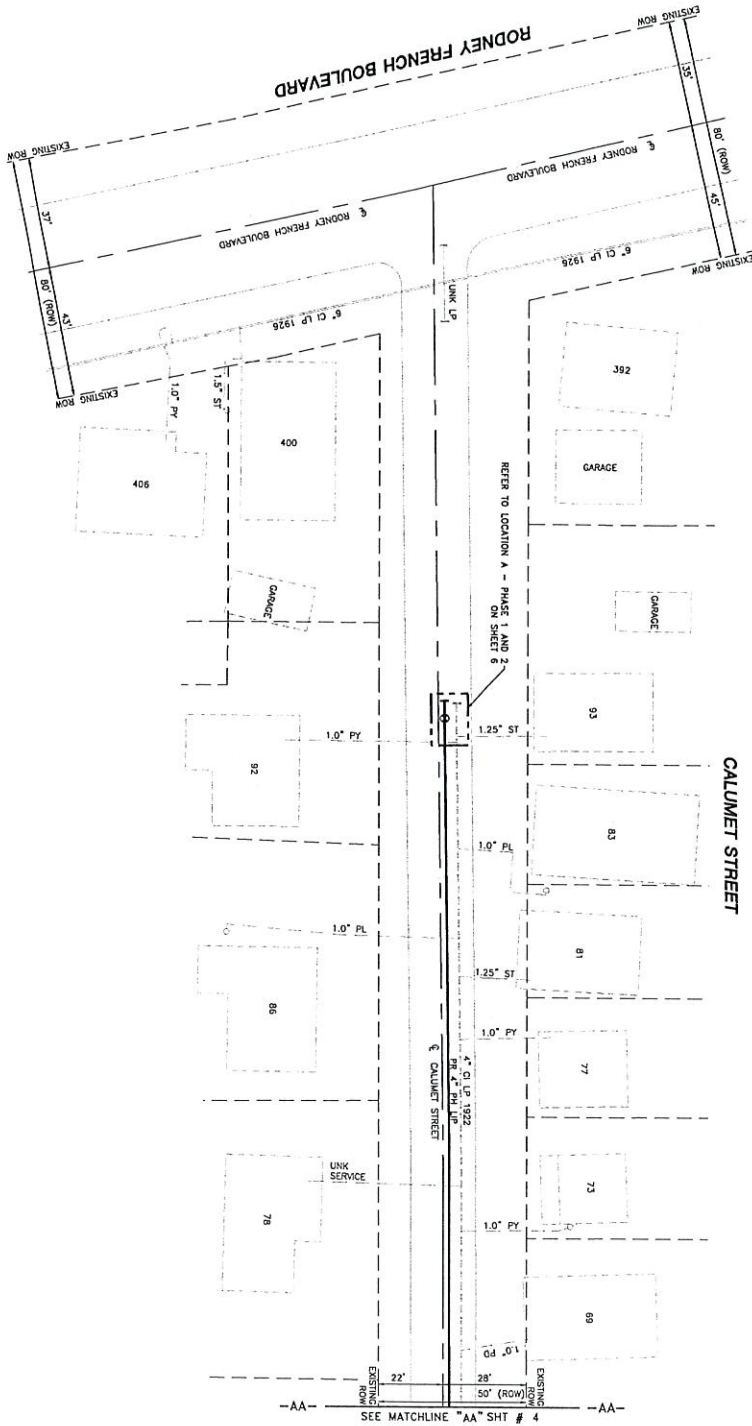
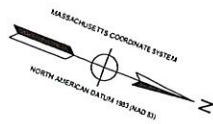
EVERSOURCE ENERGY

GAUMET STREET MAIN RELAY
NEW BEDFORD, MASSACHUSETTS

GENERAL NOTES

SCALE: NOT TO SCALE

DRAWN BY: JDOE
CHECKED BY: JDOE
APPROVED BY: JDOE
DATE: 11/23/2020
SHEET 2 OF 6
REV NO 0



CALUMET STREET

RODNEY FRENCH BOULEVARD

REFER TO LOCATION A - PHASE 1 AND 2 ON SHEET 6

SEE MATCHLINE "AA" SHT # 4

LOCUS PLAN
NOT TO SCALE

DRAWING LEGEND

UTILITY POLE	EXISTING GAS MAIN
LIGHT POLE	RETIRED GAS MAIN
CATCH BASIN	PROPOSED GAS MAIN
FIRE HYDRANT	EXISTING SERVICE
UTILITY MANHOLE	RIGHT OF WAY
ELECTRIC MANHOLE	ELECTRIC
TELEPHONE MANHOLE	TELEPHONE
WATER MANHOLE	WATER
SANITARY MANHOLE	SANITARY SEWER
EXISTING DRIP	STORM SEWER
EXISTING REDUCER	PROPOSED REDUCER
EXISTING CAP	PROPOSED CAP
EXISTING VALVE	PROPOSED VALVE
EXISTING COUPLING	PROPOSED ANODE

REVISION STATUS	
NO.	DESCRIPTION
0	ISSUED FOR CONSTRUCTION
1	11/23/2020
2	11/23/2020

EVERSOURCE ENERGY

CALUMET STREET MAIN RELAY
NEW BEDFORD, MASSACHUSETTS
INSTALLATION PLAN
SHEET 3 OF 8
DATE: 11/23/2020
DRAWN BY: MA21-PIB-REDO-04-03
CHECKED BY: MA21-PIB-REDO-04-03

ISSUED FOR CONSTRUCTION
11/23/2020

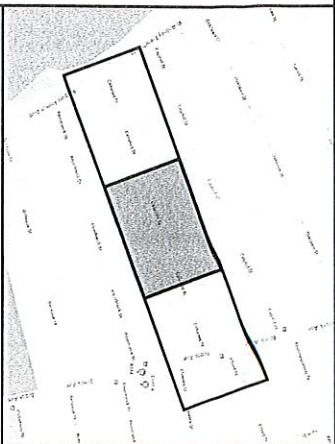
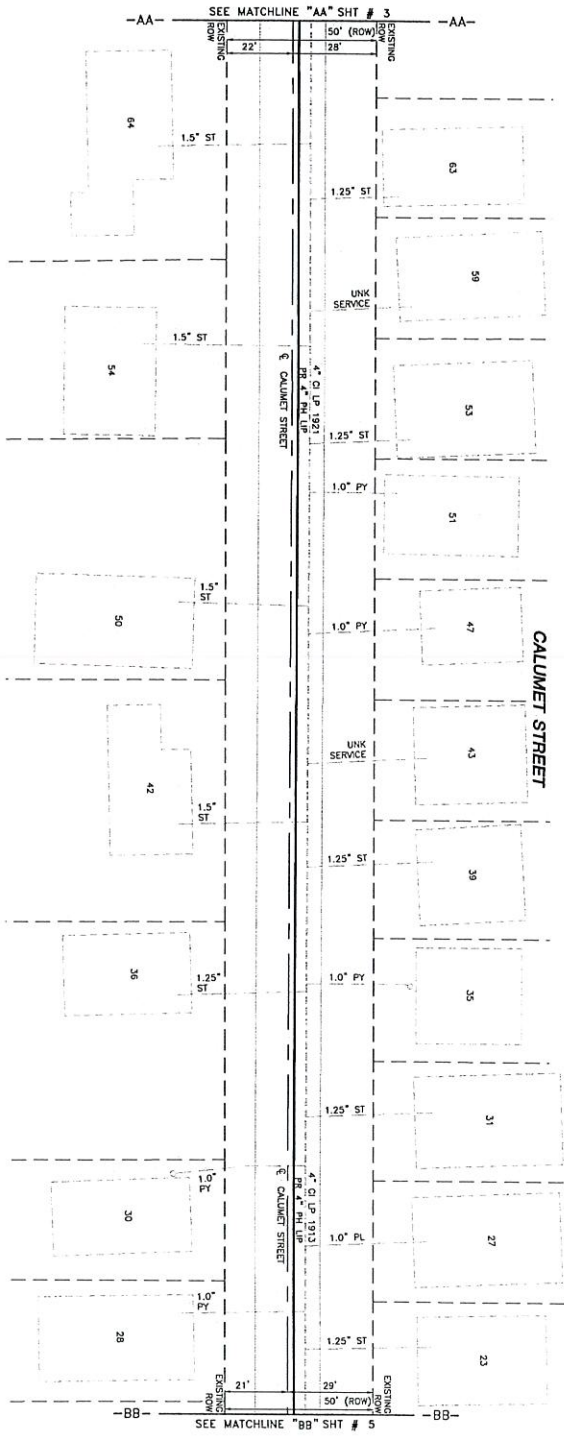
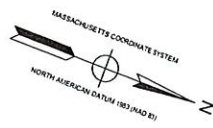


SCALE: 1"=20'
DATE: 11/23/2020
DRAWN BY: MA21-PIB-REDO-04-03

ENGINEERING
www.eversourceenergy.com

FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

NOTES			
1. CONTRACTOR TO PROVIDE EXISTING UTILITIES AT EXISTING LOCATIONS PRIOR TO CONSTRUCTION.			
2. REFER TO SHEET NO. 1 AND 2 OF SHEET 1 OF SHEET 12.			
LENGTH	SIZE	MATERIAL	DESCRIPTION
235'	4"	PH	INSTALL
235'	4"	C	RETIRED



DRAWING LEGEND

UTILITY POLE	EXISTING GAS MAIN
LIGHT POLE	RETIRED GAS MAIN
CATCH BASIN	PROPOSED GAS MAIN
FIRE HYDRANT	EXISTING SERVICE
UTILITY MANHOLE	RIGHT OF WAY
ELECTRIC MANHOLE	ELECTRIC
TELEPHONE MANHOLE	TELEPHONE
WATER MANHOLE	WATER
SANITARY MANHOLE	SANITARY SEWER
EXISTING DRIP	STORM SEWER
EXISTING REDUCER	PROPOSED REDUCER
EXISTING CAP	PROPOSED CAP
EXISTING VALVE	PROPOSED VALVE
EXISTING COUPLING	PROPOSED ANODE

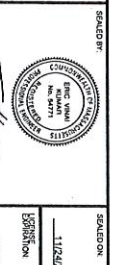
NO.	DESCRIPTION	REVISION STATUS	DATE	BY/CHKD
0	ISSUED FOR CONSTRUCTION		11/23/2020	LB/ABER

EVERSOURCE

CALUMET STREET MAIN RELAY
INSTALLATION PLAN

SCALE: 1"=20'	DO NOT SCALE FROM DRAWINGS	SHEET 4 OF 8
DATE: 11/23/2020	DATE: 11/23/2020	DATE: 11/23/2020
EX: 11/23/2020	MA: 11/23/2020	MA: 11/23/2020

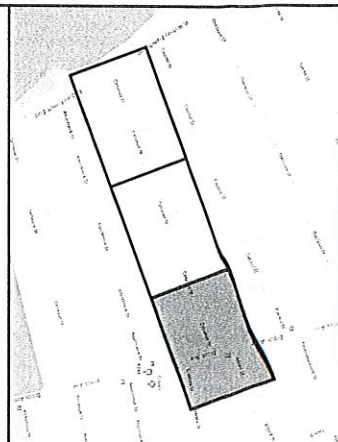
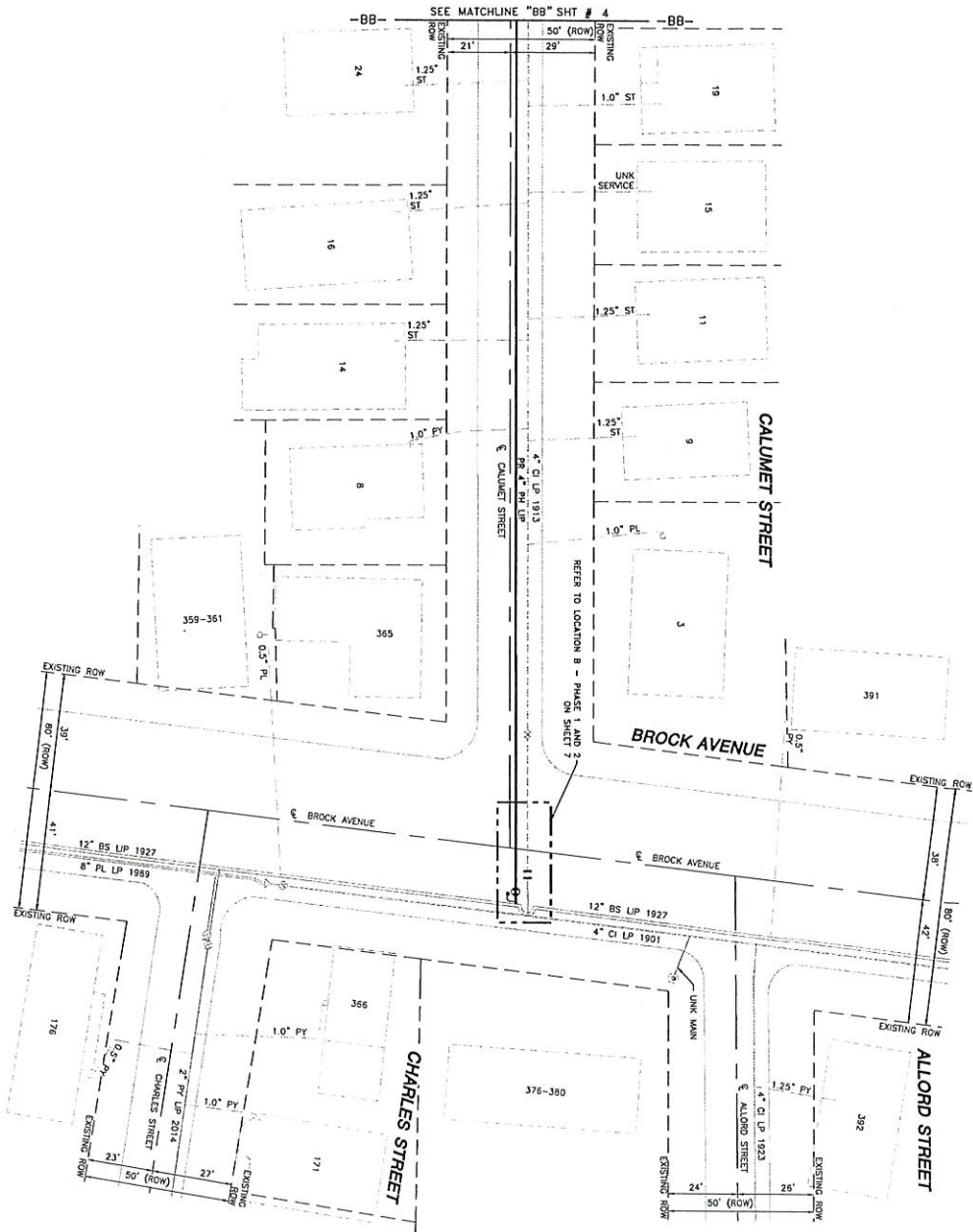
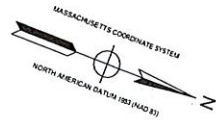
SCALE: 1"=20'



ISSUED FOR
CONSTRUCTION
11/23/2020

LENGTH	SIZE	MATERIAL	DESCRIPTION
465'	4"	PI	INSTALL
465'	4"	CI	RETRIE

NOTES:
1. CONTRACTOR TO PROTECT EXISTING UTILITIES.
2. REFER TO DRAWING FOR LOCATION OF MATERIALS ON SHEET #2.
3. REFER TO DRAWING FOR LOCATION OF MATERIALS ON SHEET #2.



LOCUS PLAN
NOT TO SCALE

DRAWING LEGEND

UTILITY POLE	EXISTING GAS MAIN
LIGHT POLE	RETIRED GAS MAIN
CATCH BASIN	PROPOSED GAS MAIN
FIRE HYDRANT	EXISTING SERVICE
UTILITY MANHOLE	RIGHT OF WAY
ELECTRIC MANHOLE	ELECTRIC
TELEPHONE MANHOLE	TELEPHONE
WATER MANHOLE	WATER
SANITARY MANHOLE	SANITARY SEWER
EXISTING DRAIN	STORM SEWER
EXISTING REDUCER	PROPOSED REDUCER
EXISTING CAP	PROPOSED CAP
EXISTING VALVE	PROPOSED VALVE
EXISTING COUPLING	PROPOSED ANODE

NO.	DESCRIPTION	REVISION STATUS	DATE	BY/CHKD BY
0	ISSUED FOR CONSTRUCTION		11/23/2020	TRABECK

EVERSOURCE

ENERGY
CALUMET STREET MAIN RELAY
NEW BEDFORD, MASSACHUSETTS
INSTALLATION PLAN

SCALE: 1"=20' (DO NOT SCALE FROM DRAWINGS)	SHEET 5 OF 5
DATE: 11/23/2020	DESIGNED BY: [Signature]
DATE: 11/23/2020	CHECKED BY: [Signature]
DATE: 11/23/2020	MAINTENANCE: [Signature]

SCALED BY:

SCALE:

DATE: 11/23/2020

FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

ISSUED FOR
CONSTRUCTION
11/23/2020



SCALE:

DATE: 11/23/2020

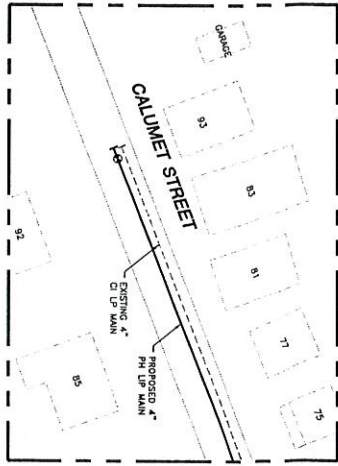
www.eversource.com

MAINTENANCE: [Signature]

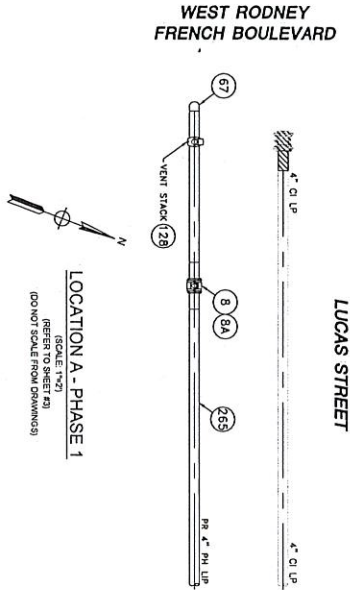
SCALE: 1"=20' (DO NOT SCALE FROM DRAWINGS)	SHEET 5 OF 5
DATE: 11/23/2020	DESIGNED BY: [Signature]
DATE: 11/23/2020	CHECKED BY: [Signature]
DATE: 11/23/2020	MAINTENANCE: [Signature]

LENGTH	SIZE	MATERIAL	DESCRIPTION
300'	4"	PH	INSTALL
200'	4"	CI	RETIRED

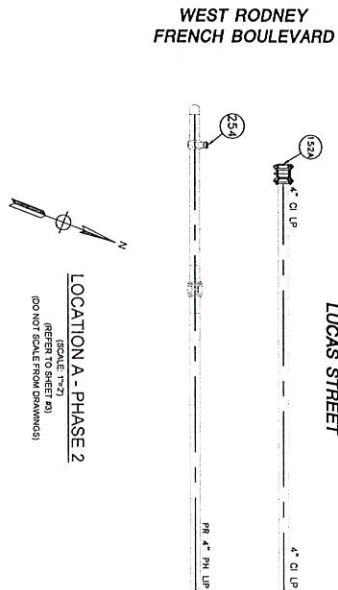
NOTES:
1. CONTRACTOR TO PORTHOLE EXISTING UTILITIES
AT CROSSING LOCATIONS PRIOR TO CONSTRUCTION.
2. REFER TO DESIGN NOTICES AND SCHEDULE OF MATERIALS ON SHEET 12.



LOCATION A - PLAN VIEW
(SCALE: 1"=20')
(REFER TO SHEET #1)
(DO NOT SCALE FROM DRAWINGS)



LOCATION A - PHASE 1
(SCALE: 1"=2')
(REFER TO SHEET #1)
(DO NOT SCALE FROM DRAWINGS)



LOCATION A - PHASE 2
(SCALE: 1"=2')
(REFER TO SHEET #1)
(DO NOT SCALE FROM DRAWINGS)

CALUMET STREET MAIN RELAY - LOCATION A - SCHEDULE OF MATERIALS				
ITEM	QTY	SIZE	MAXIMUM NO.	DESCRIPTION
8	1	4"	501002	BLD VALVE, BUTT FUSION, IPS, HDPE 3048/4710, SDR 11, ASTM D2513, ASME B16.40, FULL PORT, 1/4 TURN, KEROSET POLYBALL OR APPROVED EQUAL
8A	1	4"		BOX VALVE PLASTIC SNAP-ON, ADI, W/CI NON-LOCKING LID
67	AS REQUIRED	4"	542338	AS REQUIRED
128	1	4" X 2"	584304	APPROVED EQUAL
152A	1	4"	578128	HYDRA-TEC, ELECTROFUSION, IPS X IPS, HDPE 3048/4710, SDR 11, ASTM D2513, ASTM D3350, ASTM D3261, FITTING, COUPLING, VENTED, SEAL & RESTRAINT, 4 IN. W/ END CAP, FOR CAST IRON PIPE
254	AS REQUIRED	2"	581633	END CAP MECHANICAL COMPRESSION, SDR 11 IPS, DUPONT ZYTEL, ST-801 NATION BODY, 316 SS COMPRESSION RING, INTERNAL STIFFENER, ASTM D-2513, ASTM F-1924, W/RTT OR APPROVED EQUAL
265	15'	4"	554008	PIPE, IPS, HDPE 3048/4710 SDR 11, ASTM D2513, ASTM D3350, PERFORMANCE PIPE OR APPROVED EQUAL

NOTE:
1. REFER TO GENERAL NOTES ON SHEET #2

ISSUED FOR
CONSTRUCTION
11/23/2020



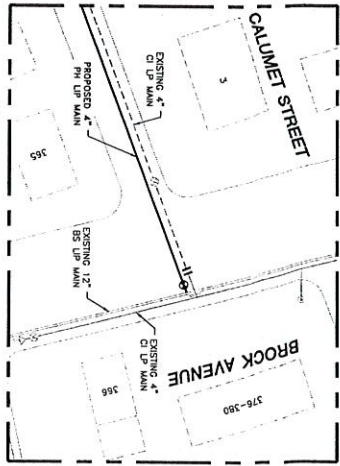
SCALE: 1"=20'
11/24/2020
09/03/2022

ENGINEERING
Eversource Energy
www.eversource.com

FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

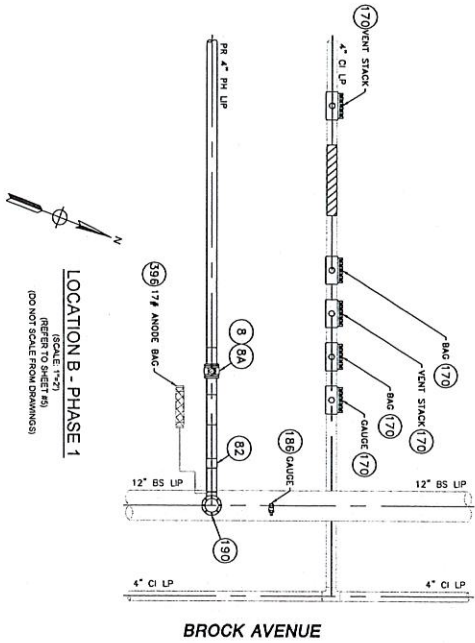
REVISION STATUS	
NO.	DESCRIPTION
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4	11/23/2020 1.000000
5	11/23/2020 1.000000
6	11/23/2020 1.000000
7	11/23/2020 1.000000
8	11/23/2020 1.000000
9	11/23/2020 1.000000
10	11/23/2020 1.000000

EVERSOURCE
ENERGY
CALUMET STREET MAIN RELAY
NEW BEDFORD, MASSACHUSETTS
SCALE: AS NOTED
DATE: 11/23/2020
SHEET NUMBER: 5 OF 8
MA-21-PIP-NED-004-06
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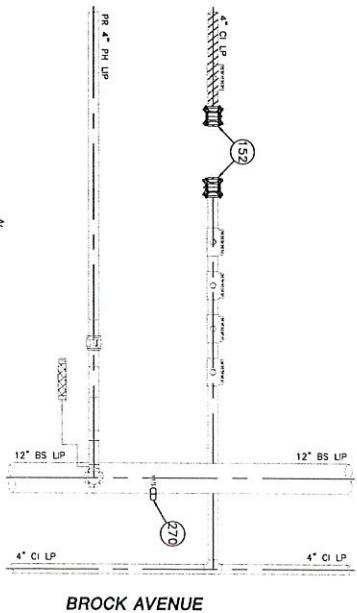


LOCATION B - PLAN VIEW
(SCALE 1"=30')
(REFER TO SHEET #1)
(DO NOT SCALE FROM DRAWINGS)

CALUMET STREET



LOCATION B - PHASE 1
(SCALE 1"=2')
(REFER TO SHEET #1)
(DO NOT SCALE FROM DRAWINGS)



LOCATION B - PHASE 2
(SCALE 1"=2')
(REFER TO SHEET #1)
(DO NOT SCALE FROM DRAWINGS)

CALUMET STREET MAIN RELAY - LOCATION B - SCHEDULE OF MATERIALS					DESCRIPTION		MATERIAL	
ITEM	QTY	SIZE	MAXIMO NO.					
8	1	4"	501002		BALL VALVE, BUTT FUSION, IPS, HOPE 3408/4710, SDR 11, ASTM D2513, ASME B16.40, FULL PORT, 1/4 TURN, KENOTEST POLYBALL OR APPROVED EQUAL.		ASTM D2513	
8A	1	4"			BOX VALVE, PLASTIC, SNAP-ON, ADI, W/CI NON-LOCKING LUD			
82	1	4"	546254		TRANSITION FITTING, STEEL TO HDPE, SDR 11, ASTM A53 STEEL W/ WELD END, HOPE 3408 W/ BUTT FUSION END, ASTM D2513, ASTM D2513, ANSI B31.8, PERFECTION OR APPROVED EQUAL.			
152	2	4"	578128		END CAP, BUTTER MECHANICAL, CIP, SMITH-BLAIR MARK GRIP OR APPROVED EQUAL.			
170	5	4" x 2"			BAND CLAMP, WITH WELDED 2" P/NPT SERVICE OUTLET, 304L SS SINGLE SECTION BAND AND G4P BRIDGES, SS STUDS WITH TEFLOON COATED HEX NUTS, COMPLETELY LINED WITH NITRILE RUBBER GASKET. W/UTELER 540 SERV-SEAL OR APPROVED EQUAL, COMPLETE WITH PLUG.			
186	1	3/4" x 1/2"	578021		SERVICE TEE, WELD X MECHANICAL COUPLING FOR HDPE, CTS, DRESSER STYLE 90 TAP-A-V-VALVE WITH STYLE 501 TRANSITION COUPLING OUTLET, FORGED STEEL BODY REVEALED FOR WELDING, STYLE 501 TRANSITION COUPLING TO HAVE THREADED BODY, INTERNAL STIFFENER WITH GASKET, SPRING WASHER AND GRIP RING WITH THREADED NUT.			
190	1	4"	578137		3-WAY TEE, WELD X WELD, TO WILLIAMSON, ASTM A105 OR ASTM A234 WRP BODY, WITH FLANGED CAP AND COMPLETION PLUG.		ASTM A105	
265	35	4"	554008		PIPE, IPS, HOPE 3408/4710 SDR 11, ASTM D2513, ASTM D2513, PERFORMANCE PIPE OR APPROVED EQUAL.		ASTM D2513	
270	AS REQUIRED	1/2"	542809		END CAP, MECHANICAL STAB, CTS, HOPE, PE 4710/3408, ASTM D2513, WITH SS GRIPPING SUPPORT RING, ACETAL COLLET AND SPACER RETAINER RING, PE THRUST WASHER, BUNA-N O-RING, ZINC-PLATED CS INSERT STIFFENER, PERFECTION WITH END CAP OR APPROVED EQUAL.		ASTM D2513	
395	1	17"	577776		ANODE BAG, 17 LB NET, HIGH POTENTIAL MAGNESIUM, W/ 10 FT HDGANG TV ORANGE LEAD WIRE, PACKED IN CARDBOARD BOX 42 LB WEIGHT			

ISSUED FOR
CONSTRUCTION
11/23/2020



11/24/2020
159555-004
06/28/2022

ENGINEERING
MASSACHUSETTS
WWW.ERICJMAN.COM

FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

SCALE: AS NOTED
DRAWN BY: JDOE
CHECKED BY: JDOE
DATE: 11/23/2020
MA21-PN-NEB-004-07
MA21-PN-NEB-004-07

EVERSOURCE
ENERGY

REVISION STATUS			
NO.	DESCRIPTION	DATE	BY
0	ISSUED FOR CONSTRUCTION	11/23/2020	UW/ABEK
1	LOCATION B - PHASE 1, 2 AND SCHEDULE OF MATERIALS		DW/CHAP

NOTE
1. REFER TO GENERAL NOTES ON SHEET #2

