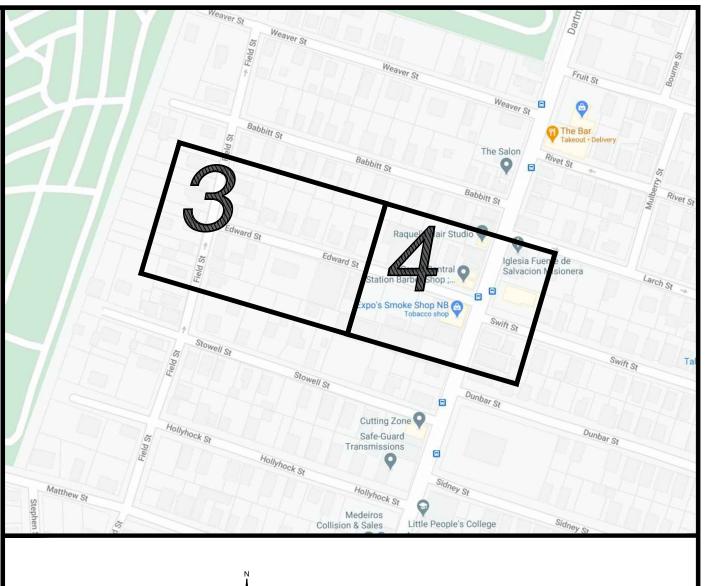


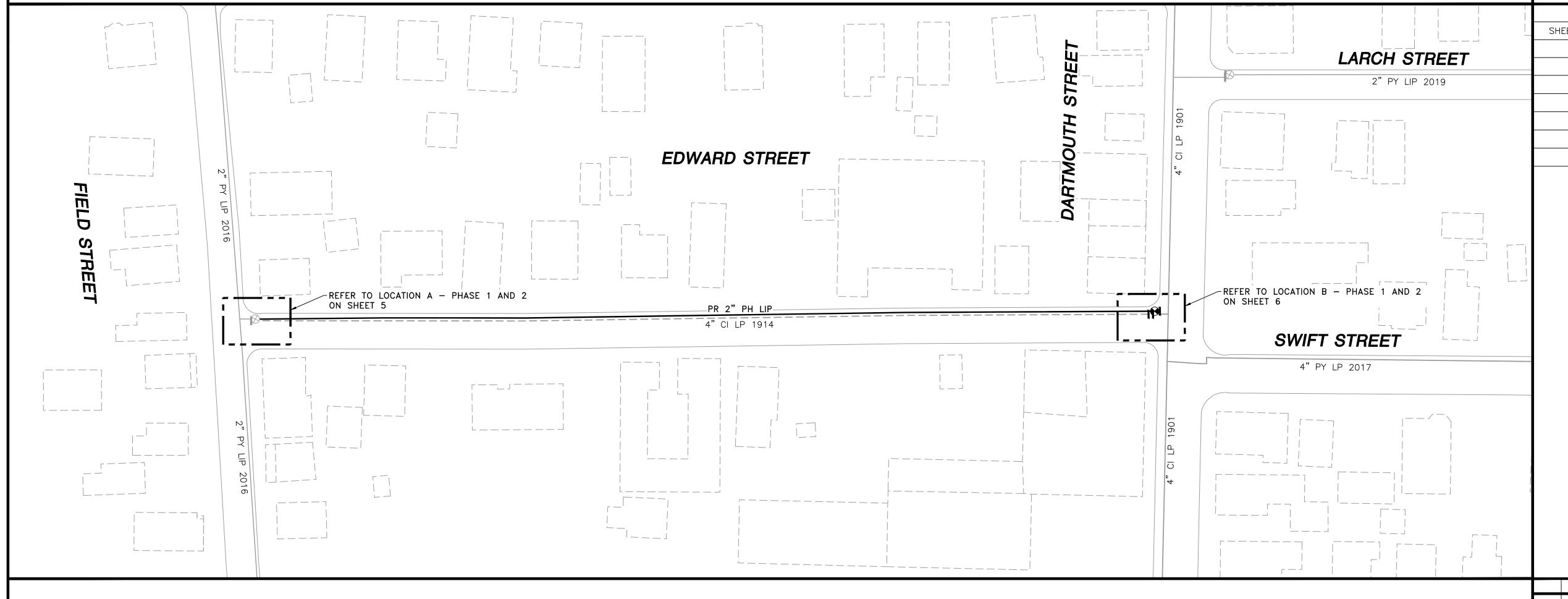
EXISTING CONDITIONS SHOWN ARE BASED ON GIS, AERIAL AND AVAILABLE RECORD DATA, NO FIELD SURVEY WAS PERFORMED. CONTRACTOR TO VERIFY EXISTING CONDITIONS AS NEEDED IN THE FIELD. PROPOSED MAIN ALIGNMENT AND OFFSETS ARE APPROXIMATE.

# EVERSEURCE **ENERGY**

EDWARD STREET MAIN RELAY INSTALLATION OF 610' OF 2" PH LIP GAS MAIN EDWARD STREET NEW BEDFORD, MASSACHUSETTS ENE PROJECT #: 2005881.11 EVERSOURCE PROJECT #: 4128462



LOCUS PLAN NOT TO SCALE



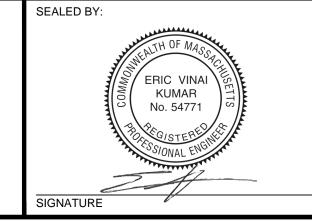
SHEET INDEX			
SHEET NUMBER	DESCRIPTION		
1	SITE PLAN, LOCUS PLAN AND SHEET INDEX		
2	GENERAL NOTES		
3	INSTALLATION PLAN		
4	INSTALLATION PLAN		
5	LOCATION A - PHASE 1, 2 AND SCHEDULE OF MATERIALS		
6	LOCATION B - PHASE 1, 2 AND SCHEDULE OF MATERIALS		
7	STANDARD CORROSION DETAILS		

## SITE PLAN

NEW BEDFORD, MASSACHUSETTS (SCALE: 1"=40') (DO NOT SCALE FROM DRAWINGS)

1	IFC - NO CHANGES THIS SHEET	08/10/2021	LR/AB/EK
0	ISSUED FOR CONSTRUCTION	11/19/2020	KT/AB/EK
NO.	DESCRIPTION	DATE	DW/CK/AP
DEVISION STATUS			

ISSUED FOR CONSTRUCTION 08/10/2021



SEALED ON:	DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFE STANDARDS AND GPTC GUIDE FOR GAS
08/11/2021	TRANSMISSIÓN AND DISTRIBUTION PIPIN SYSTEMS. LATEST EDITION.
LICENSE EXPIRATION:	<b>EN</b> Engineering
06/30/2022	29 BARTLETT STREET MARLBOROUGH, MA 01752 TEL. (630) 353-4000 FAX (630) 535-7777 WWW.ENENGINEERING.COM

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

EDWARD STREET MAIN RELAY NEW BEDFORD, MASSACHUSETTS SITE PLAN, LOCUS PLAN AND SHEET INDEX

OTTET ENTITION OF THE THREE TO			
SCALE: AS NOTED		SHEET 1	OF 7
DRAWN BY / DATE	CHECKED BY / DATE	SHEET NUMBER	REV. NC
LR 10/12/2020	AB 08/10/2021		
APPROVED BY / DATE EK 08/10/2021	MA21PIPNEB005R1	MA-21-PIP-NEB-005-01	1

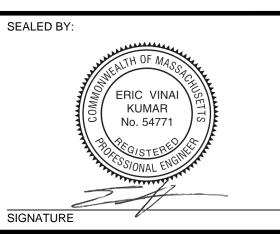
#### GENERAL NOTES

- 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.
  - A. IF THE TIE IN POINT MOVES TO A DIFFERENT SEGMENT OF PIPE THAN SHOWN
  - B. IF A CHANGE IN THE LOCATION OF VALVES IS REQUIRED
  - C. 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
  - D. IF A CHANGE IN PIPE SIZE, MATERIAL, FITTINGS, OR WALL THICKNESS IS REQUIRED.
- 2. MINOR CHANGES SUCH AS OFFSETS MAY NOT REQUIRE DRAWING CHANGES.
- 3. EXCAVATOR SHALL CALL DIGSAFE/CALL BEFORE YOU DIG (DIAL 811) AT LEAST 72 HOURS PRIOR TO CONSTRUCTION. SATURDAYS, SUNDAYS, AND HOLIDAYS ARE EXCLUDED FROM THE 72-HOUR TIME SPAN, NOT CONSIDERED BUSINESS WORKDAYS.
- 4. CONSTRUCTION DRAWINGS ARE BASED ON EVERSOURCE HISTORICAL DOCUMENTATION AND HAVE NOT BEEN FIELD VERIFIED. WHEN THE PIPE IS EXPOSED AND VARIANCES TO THE CERTIFIED DRAWINGS ARE FOUND, CONTACT GAS ENGINEERING TO DETERMINE PATH FORWARD.
- 5. ALL WORK SHALL BE PERFORMED PER EVERSOURCE, LOCAL, STATE, OSHA, AND FEDERAL REGULATIONS AND STANDARDS.
- 6. MATERIAL AND CONSTRUCTION SHALL CONFORM TO EVERSOURCE GAS STANDARDS.
- 7. 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.
- 8. 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.
- 9. ALL LIVE GAS WORK INCLUDING BUT NOT LIMITED TO TAPPING OF FITTINGS ON LIVE 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.
- 10. 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.
- 11. IF THE PROJECT IS WITHIN 50 FEET OF A DISTRICT REGULATOR OR GATE STATION, ENSURE THAT A QUALIFIED I&R TECHNICIAN IS ON SITE.
- 12. 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.
- 13. PROPERTY LINES, STRUCTURES AND EXISTING CONDITIONS DEPICTED ON PLANS ARE BASED ON EVERSOURCE GIS INFORMATION AND HAVE NOT BEEN VERIFIED BY LAND SURVEY UNLESS NOTED.
- 14. EXISTING SERVICES SHOWN ON PLAN ARE FOR INFORMATION ONLY. PROPOSED SERVICES ARE NOT SHOWN ON PLANS AND ARE TO BE INSTALLED PER EVERSOURCE CONSTRUCTION STANDARDS.
- 15. PROPOSED WORK SHALL BE PERFORMED AND COMPLETED IN COMPLIANCE WITH ALL PERMITS AND APPROVALS.
- 16. MAINS AND SERVICES SHALL BE PRESSURE TESTED IN ACCORDANCE WITH EVERSOURCE OM-205.
- 17. MAOP:

LP = 14" W.C. LIP = 35 PSIG IP = 60 PSIG HP = 90 PSIG

- 18. ALL WORK SHALL BE PERFORMED PER EVERSOURCE, LOCAL, STATE AND FEDERAL REGULATIONS AND STANDARDS.
- 19. ALL PIPE WILL BE INSTALLED WITH A MINIMUM DEPTH IN ACCORDANCE WITH EVERSOURCE STANDARDS
- 20. SQUEEZE OPERATIONS SHOULD BE COMPLETED IN ACCORDANCE WITH OM-233
- 21. ENSURE ALL SERVICES BEING TRANSFERRED TO A HIGHER PRESSURE SYSTEM HAVE UPGRADED PRESSURE REGULATORS INSTALLED PRIOR TO ACTIVATION.
- 22. ENSURE VALVES ON EXISTING MAIN, WHERE PROPOSED MAIN WILL BE INSERTED HAVE BEEN MADE INOPERABLE.
- 23. ADDITIONAL VALVES AND TEES THAT ARE INCLUDED IN THE SCHEDULE OF MATERIALS MAY BE INSTALLED TEMPORARILY WHEN NEEDED TO FACILITATE TIE-INS AND PURGES.
- 24. METFIT FITTINGS MAY BE SUBSTITUTED FOR ELECTROFUSION FITTINGS WHERE NEEDED.
- 25. DO NOT SCALE FROM DRAWINGS.

ISSUED FOR CONSTRUCTION 08/10/2021



DESIGNED IN ACCORDANCE WITH TITLE
49-PART 192 OF MINIMUM FEDERAL SAFET
STANDARDS AND GPTC GUIDE FOR GAS
TRANSMISSION AND DISTRIBUTION PIPING
SYSTEMS. LATEST EDITION.

LICENSE
EXPIRATION:

ENGINEERING

06/30/2022

29 BARTLETT STREET MARLBOROUGH, MA 01752 TEL. (630) 353-4000 FAX (630) 535-7777 WWW.ENENGINEERING.COM FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION
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REVISION STATUS

EVERSEURCE
ENERGY

EDWARD STREET MAIN RELAY
NEW BEDFORD, MASSACHUSETTS
GENERAL NOTES

SCALE: NOT TO SCALE

SHEET 2 OF 7

08/10/2021 LR/AB/EK

11/19/2020 KT/AB/EK

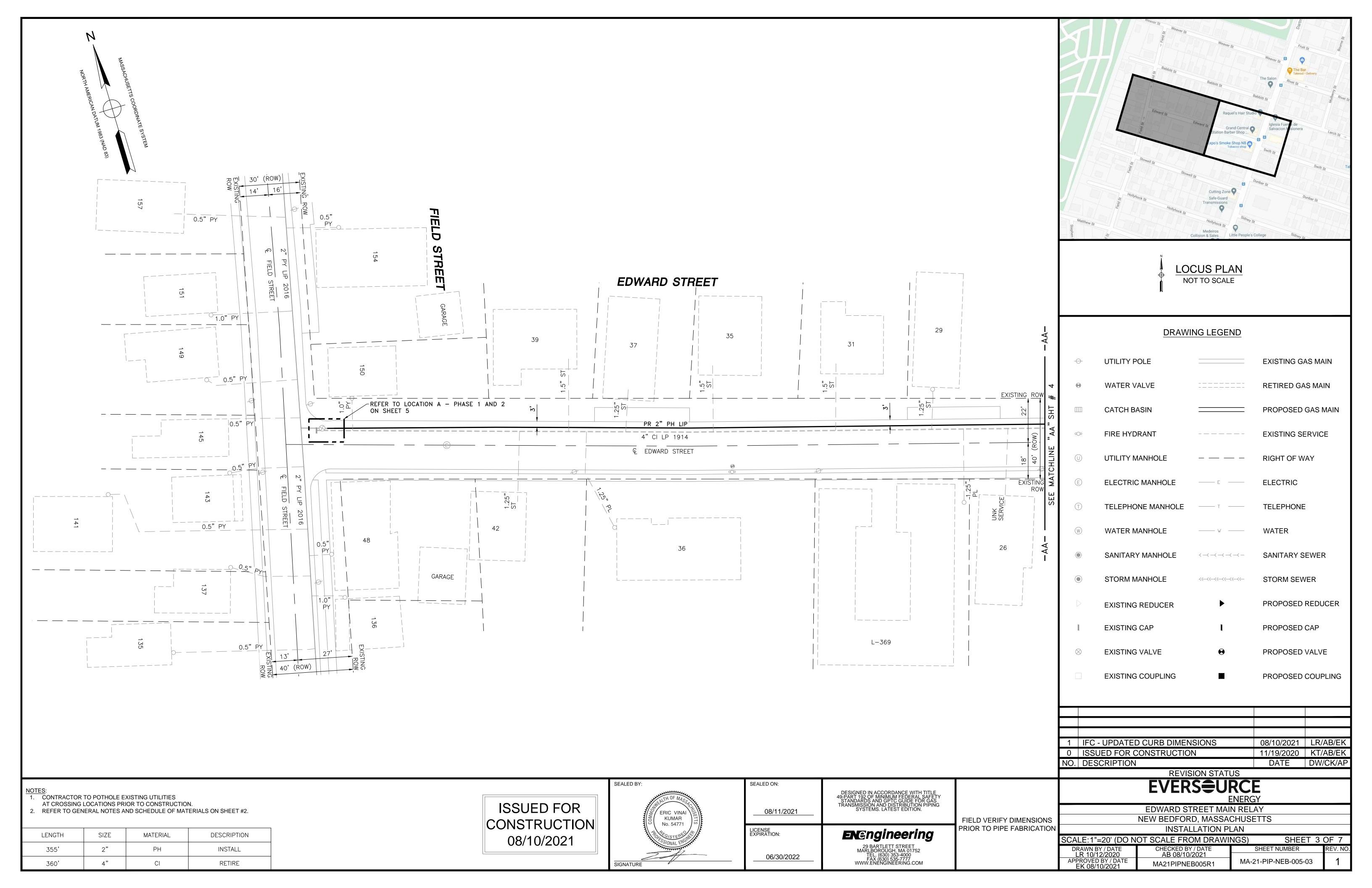
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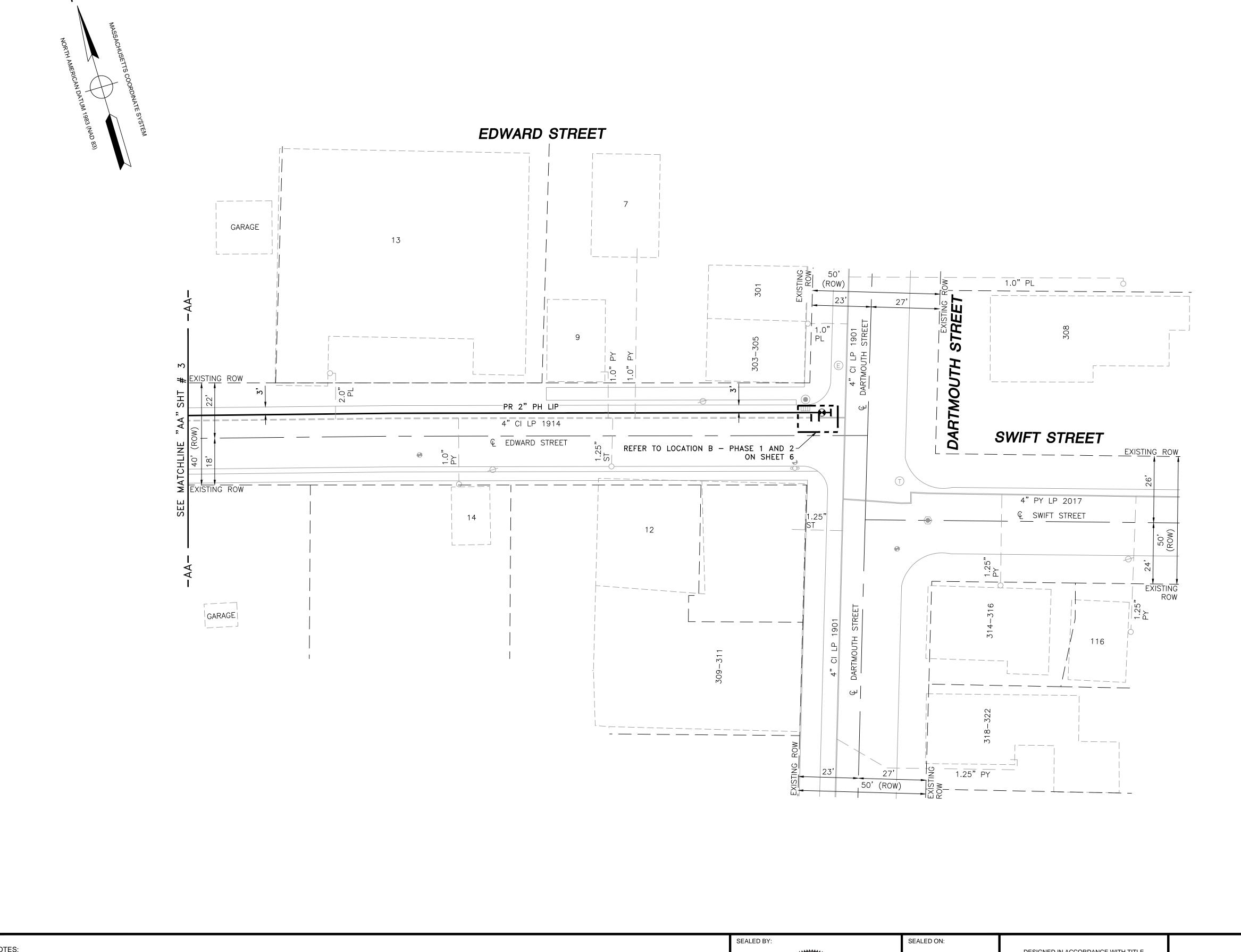
0 ISSUED FOR CONSTRUCTION

 SCALE: NOT TO SCALE
 SHEET 2 OF

 DRAWN BY / DATE LR 10/12/2020
 CHECKED BY / DATE AB 08/10/2021
 SHEET NUMBER
 REV

 APPROVED BY / DATE EK 08/10/2021
 MA21PIPNEB005R1
 MA-21-PIP-NEB-005-02
 Yes







LOCUS PLAN NOT TO SCALE

DRAWING LEGEND

UTILITY POLE	 EXISTING GAS MAIN
WATER VALVE	 RETIRED GAS MAIN

PROPOSED GAS MAIN

RIGHT OF WAY

PROPOSED VALVE

FIRE HYDRANT **EXISTING SERVICE** 

**ELECTRIC ELECTRIC MANHOLE** 

**UTILITY MANHOLE** 

**EXISTING VALVE** 

TELEPHONE MANHOLE TELEPHONE

WATER MANHOLE WATER

SANITARY SEWER SANITARY MANHOLE 

STORM MANHOLE STORM SEWER ~(—((—((—((—

PROPOSED REDUCER EXISTING REDUCER

PROPOSED CAP EXISTING CAP

**EXISTING COUPLING** PROPOSED COUPLING

1	IFC - UPDATED CURB DIMENSIONS	08/10/2021	LR/AB/EK
0	ISSUED FOR CONSTRUCTION	11/19/2020	KT/AB/EK
NO.	DESCRIPTION	DATE	DW/CK/AP

**REVISION STATUS** 

## **EVERSURCE**

EDWARD STREET MAIN RELAY

NEW BEDFORD, MASSACHUSETTS INSTALLATION PLAN SCALE: 1"=20' (DO NOT SCALE FROM DRAWINGS) SHEET 4 OF 7

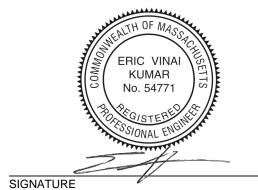
DRAWN BY / DATE LR 10/12/2020 APPROVED BY / DATE EK 08/10/2021 CHECKED BY / DATE AB 08/10/2021 SHEET NUMBER MA-21-PIP-NEB-005-04 MA21PIPNEB005R1

NOTES:

1. CONTRACTOR TO POTHOLE EXISTING UTILITIES AT CROSSING LOCATIONS PRIOR TO CONSTRUCTION. 2. REFER TO GENERAL NOTES AND SCHEDULE OF MATERIALS ON SHEET #2.

LENGTH SIZE MATERIAL DESCRIPTION INSTALL PΗ 255' RETIRE CI 245'

ISSUED FOR CONSTRUCTION 08/10/2021

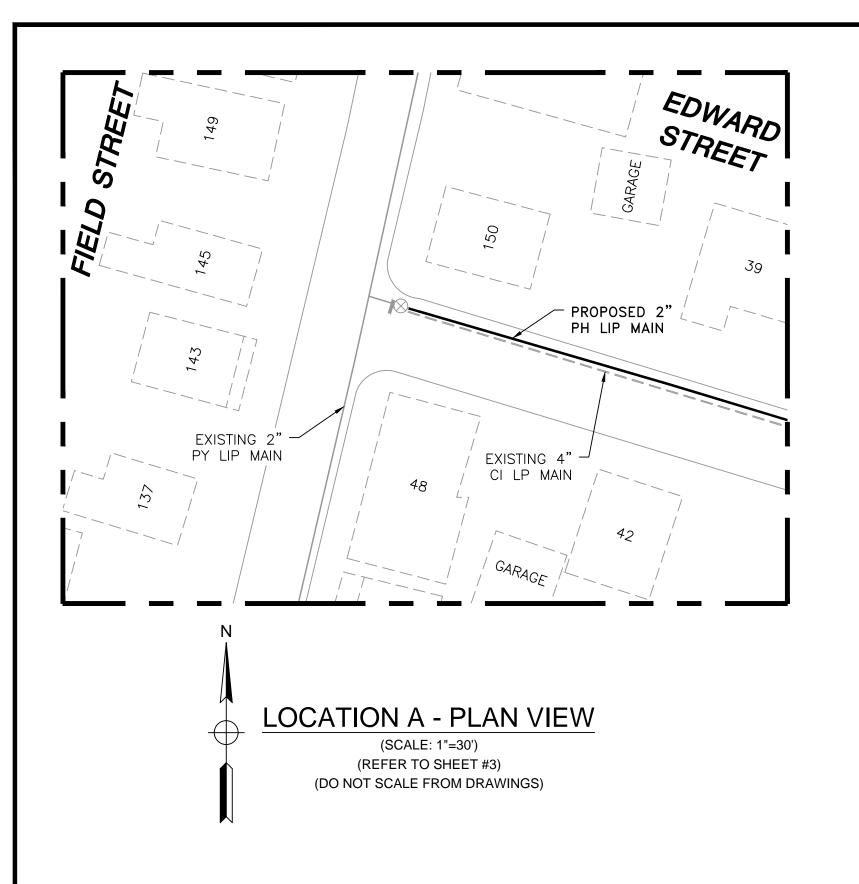


LICENSE EXPIRATION:

06/30/2022

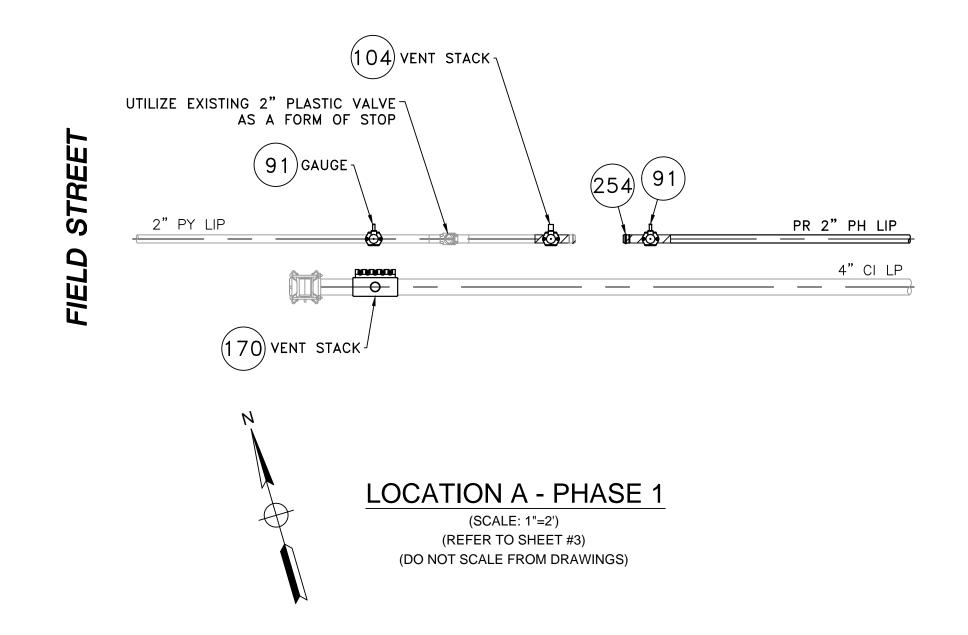
DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS. LATEST EDITION. 08/11/2021

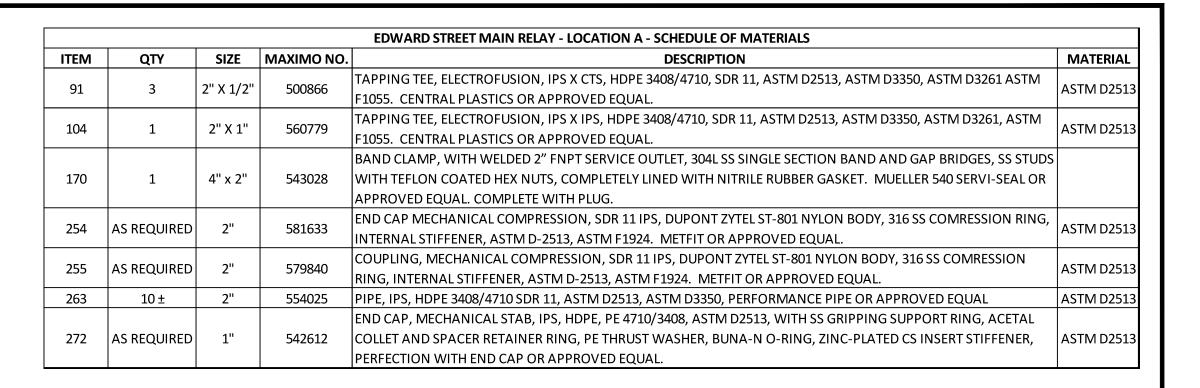
FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION **EN**Engineering 29 BARTLETT STREET MARLBOROUGH, MA 01752 TEL. (630) 353-4000 FAX (630) 535-7777 WWW.ENENGINEERING.COM



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

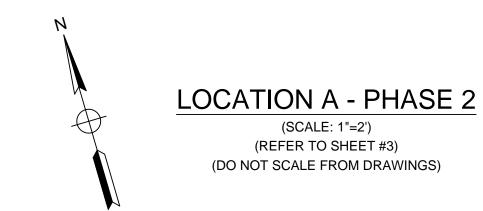
## EDWARD STREET





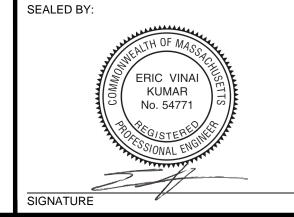
### EDWARD STREET

270 254 263 91 254 2" PY LIP PR 2" PH LIP 4" CI LP 4" CI LP



1	IFC - NO CHANGES THIS SHEET	08/10/2021	LR/AB/EK
0	ISSUED FOR CONSTRUCTION	11/19/2020	KT/AB/EK
NO.	DESCRIPTION	DATE	DW/CK/AF
	REVISION STATUS		

ISSUED FOR CONSTRUCTION 08/10/2021



08/11/2021	49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS. LATEST EDITION.
LICENSE EXPIRATION:	<b>EN</b> Engineering

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PRIOR TO PIPE FABRICATION
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EDWARD STREET MAIN RELAY

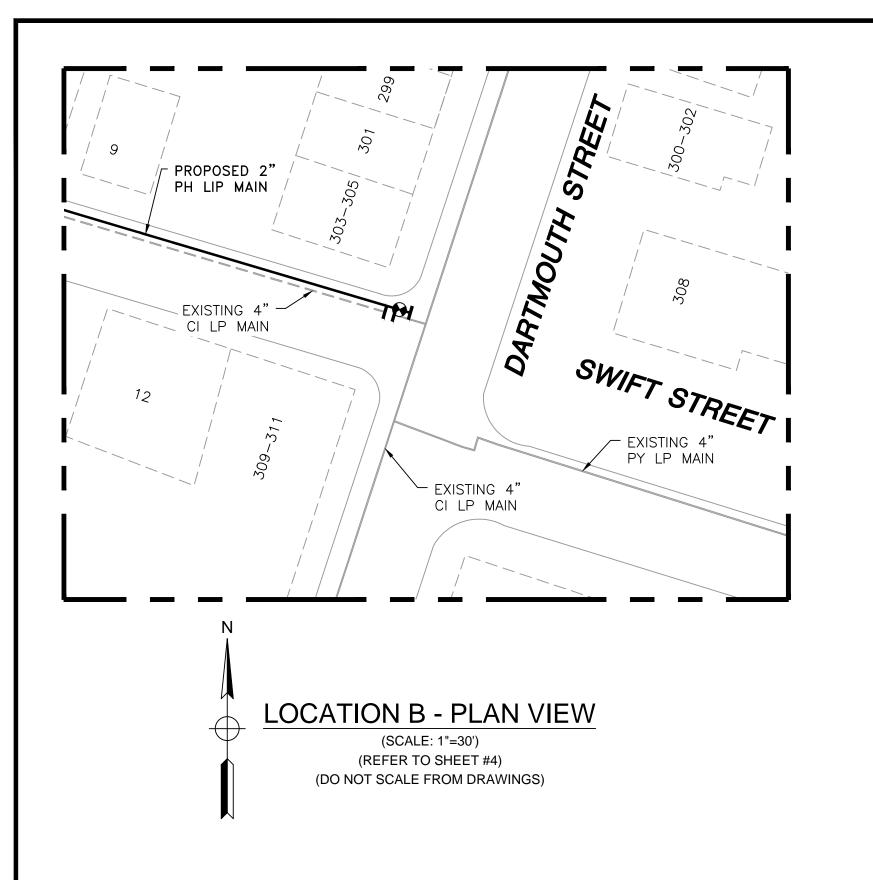
NEW BEDFORD, MASSACHUSETTS

LOCATION A - PHASE 1, 2 AND SCHEDULE OF MATERIALS

 SCALE: AS NOTED
 SHEET 5 OF 7

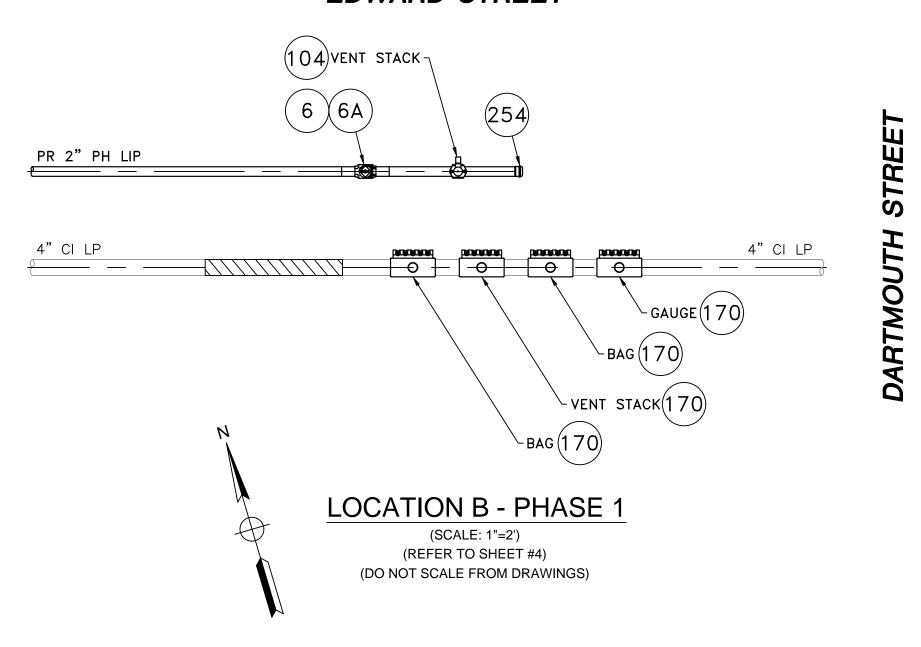
 DRAWN BY / DATE LR 10/12/2020
 CHECKED BY / DATE AB 08/10/2021
 SHEET NUMBER REV. NO.

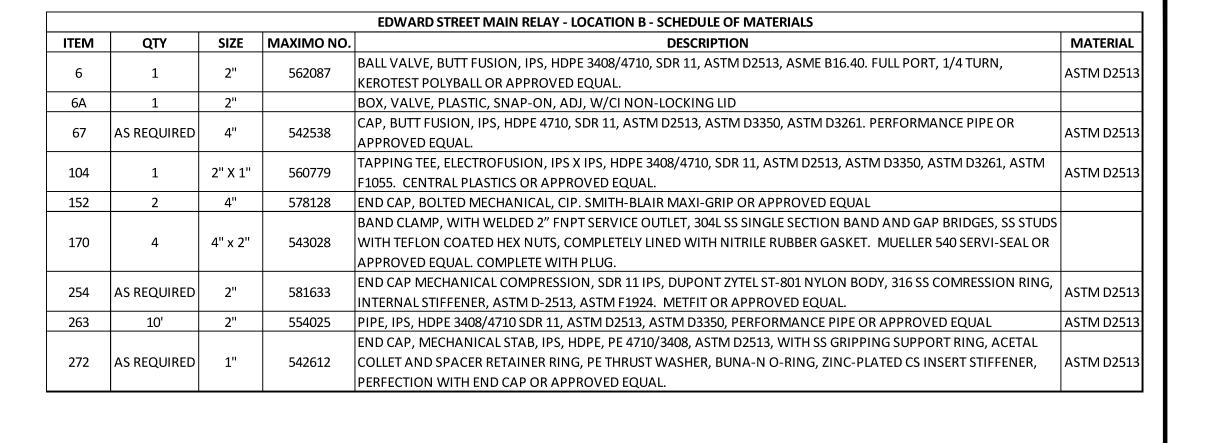
 APPROVED BY / DATE EK 08/10/2021
 MA21PIPNEB005R1
 MA-21-PIP-NEB-005-05
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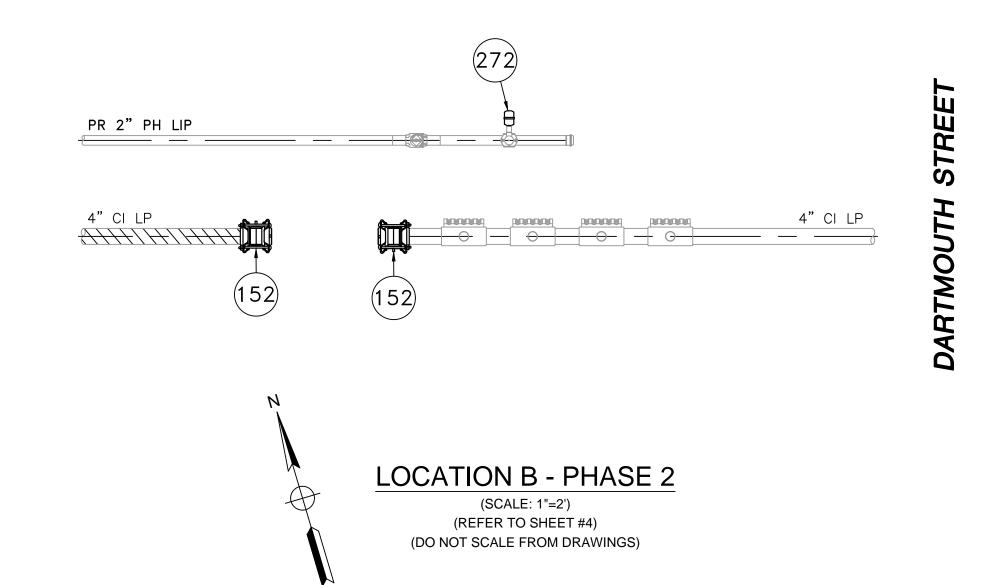
NOTE:
1. REFER TO GENERAL NOTES ON SHEET #2.







## EDWARD STREET



1	IFC - NO CHANGES THIS SHEET	08/10/2021	LR/AB/EK
0	ISSUED FOR CONSTRUCTION	11/19/2020	KT/AB/EK
NO.	DESCRIPTION	DATE	DW/CK/AP
	REVISION STATUS		

SEALED BY: ERIC VINAI KUMAR No. 54771

SEALED ON: 08/11/2021 LICENSE EXPIRATION:

06/30/2022

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION **EVERSURCE** 

EDWARD STREET MAIN RELAY NEW BEDFORD, MASSACHUSETTS

LOCATION B - PHASE 1, 2 AND SCHEDULE OF MATERIALS SCALE: AS NOTED SHEET 6 OF 7 DRAWN BY / DATE LR 10/12/2020 APPROVED BY / DATE EK 08/10/2021 CHECKED BY / DATE AB 08/10/2021 MA-21-PIP-NEB-005-06 MA21PIPNEB005R1

ISSUED FOR CONSTRUCTION 08/10/2021

SIGNATURE

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