CITY COUNCIL

City Clerk's Office 11/13/2024

Regular Meeting Agenda~

I hereby notify you that the following items of business have been filed with this office and can be acted upon at the meeting of the City Council **Monday November 18, 2024** at 07:00 PM.

City Clerk

Call to Order

7:00 PM Meeting called to order on November 18, 2024 at Hybrid Council Chamber, 36 Court Street, Springfield, MA.

Reports of Committee

Petitions

(1.) Eversource Gas - Wellesley St.
(2.) Eversource Gas - Fisher St.
(3.) Eversource Gas - James St.
(4.) Eversource Gas - Armory St.
(5.) Eversource Gas - Worthington Street
(6.) Eversource -97 Carol Ann St.

Grants

(7.) Donation of Goods to the Springfield Library Department - Video Magnifier (Mayor Sarno)
(8.) Parks Department - Donation - $2,381.70 - No Match Required (Mayor Sarno)
(9.) COPS Anti-Methamphetamine Program Grant - No Match Required - $10,000 (Mayor Sarno)
(10.) Fire Emergency Management Performance Grant - $71,335.00 - In-Kind Match Required (Mayor Sarno)
(11.) FY25 SHINE Grant Amendment Increase - No Match Required $80,158.15 (Mayor Sarno)

Orders

(12.) Bills of Prior Year - Various Departments - $12,238.49 (Mayor Sarno)
(13.) FY24 Free Cash to Various Deficits - $99,517.09 (Mayor Sarno)
(14.) PEG Access and Cable Related Fund FY25 Q2 Franchise Fee Payment - $137,635.59 (Mayor Sarno)
(15.) Supplemental Budget - Decrease in Charter School Tuition State Aid (Mayor Sarno)
(16.) Decertification of Tax Increment Financing Agreement (TIFF) for SNAPland 59, LLC at the Property Known as 51-59 Taylor Street. ()

Resolutions

(17.) Support of Stearns Square Bench Return Plan & Timetable

City Council
36 Court Street
Springfield, MA 01103

SCHEDULED

PETITION (ID # 8322)

Meeting: 11/18/24 07:00 PM
Department: Department of Public Works
Category: General
Prepared By: Hector Velez
Initiator: Hector Velez
Sponsors:
DOC ID: 8322

Eversource Gas - Wellesley St.

ORDER FOR LOCATION OF UNDERGROUND CONDUIT

WHEREAS, The Board of Public Works, to which was referred the petition of Eversource-Gas to install and replace underground gas facilities within a section of the McKnight Neighborhood at St James Ave, Worthington St, Dartmouth Terr., Harvard St., Wellesley St., Princeton St., Campus Pl., Cornell St., and Lafayette St. to retire low-pressure cast iron gas infrastructure.

WHEREAS, said petition Wellesley Street was referred to the Board of Public Works on August 5, 2024; and

WHEREAS, On September 24, 2024, a Notice of a Public Hearing on Wellesley Street to be held on October 17, 2024, was sent by mail, to all property owners abutting an affected road, various Departments, Utility Companies, etc before the day of the hearing and posted on two public bulletin board a copy of which is attached a hearing of the Board of Public Works was held as scheduled on-site with the petitioner and interested parties.

WHEREAS, on October 17, 2024, the Board of Public Works reported thereon that, after careful consideration of the petition of Wellesley Street to install underground gas facilities within a section of the McKnight Neighborhood at St James Ave, Worthington St, Dartmouth Terr., Harvard St., Wellesley St., Princeton St., Campus Pl., Cornell St., and Lafayette St. to retire low-pressure cast iron gas infrastructure and update the system to medium-pressure., all as substantially shown on a plan attached with project name:

Wellesley Street

Consisting of therty-eight (38) sheets, which plan is incorporated herein by reference and is on file in the office of the Engineering Division of the Department of Public Works, Springfield, Massachusetts.

WHEREAS, the petition Wellesley Street came before the City Council for a Public Hearing on this date,

NOW, THEREFORE, BE IT ORDERED:

1. That due care for public safety is exercised during construction including but not limited to the use of a police officer(s) for traffic control if necessary.

2. That said construction would not unnecessarily interfere with the movement of vehicular or pedestrian traffic in the area.

3. That care be taken during said construction not to damage any underground services.

4. That the construction site be returned to the same condition as found or better.

5. Said company shall indemnify and save harmless against all damages, costs, and expenses whatsoever to which the City may be subjected in consequence of the acts or neglect of said Company, its agents or servants, or in any manner arising from the rights and privileges granted it by the City.

6. In addition, said company shall, before a public way is disturbed for the laying of its wire or conduit, execute its bond in the penal sum of Ten Thousand Dollars ($10,000) conditioned for the faithful performance of its duties under this permit.

7. Said company shall comply with the requirements of existing Ordinances and orders and comply with any changes in Ordinances and orders as may hereafter be adopted by the Mayor and Council governing the construction and maintenance of buried cable, conduits, and wires.

8. That any sidewalks that are damaged or removed will be replaced in kind and accordance with the City of Springfield's Standard Specifications.

9. Ramps for the handicapped will be provided if and where required by law and in conformance with the Rules and Regulations of the Massachusetts Architectural Barrier Board.

10. That any curbing that is disturbed during construction will be reset to the established street grade using proper construction procedures.

11. That all proposed silo, manhole, and hex-hole covers will conform to and be compatible with an established street, tree belt, or sidewalk grades with suitable non-skid covers when in the sidewalk area.

12. That the Springfield Water and Sewer Commission be notified before construction begins. All installations of adjacent utilities must be a minimum of 4 feet from the existing water and/or sewer main, edge to edge of the pipe.

13. That asphalt trench restoration be done in accordance with the City of Springfield DPW requirements.

14. That all conditions outlined in the respective order are complied with.

CITY OF SPRINGFIELD, MASSACHUSETTS

October 9, 2024

TO THE MAYOR AND CITY COUNCIL OF THE CITY OF SPRINGFIELD:

The Board of Public Works, to which was referred the petition of the Eversource-Gas of Massachusetts, dated August 5, 2024, Gas to install and replace underground gas facilities within a section of the McKnight Neighborhood at St James Ave, Worthington St, Dartmouth Terr., Harvard St., Wellesley St., Princeton St., Campus Pl., Cornell St., and Lafayette St. to retire low-pressure cast iron gas infrastructure and update the system to medium-pressure., all shown on a plan attached with a project name, Wellesley Street which is incorporated herein by reference and to lay and maintain underground gas main pipes for improvements of the system reports thereon as follows:

By virtue of Chapter 708 of the Acts of 1977, the Board of Public Works held the hearing on the above matter provided for in Section 22 of Chapter 166 of the General Laws. The hearing was held on October 17, 2024, at 3:45 P.M. at the corner of Cornell Street and St James Ave. in Springfield, MA, after due notice from the office of the City Clerk. two (2) members of the Board and one (1) person interested in the matter were present. Of the latter, one (1) voted in favor and no one (0) voted against.

The Board finds the request necessary so that the utility company can upgrade existing underground facilities to improve the quality of service in this area.

After careful consideration, the Board recommends the petition be granted provided:

That due care for public safety is exercised during construction including but not limited to the use of a police officer(s) for traffic control if necessary.

That said construction would not unnecessarily interfere with the movement of vehicular or pedestrian traffic in the area.

That care be taken during said construction not to damage any underground services.

That the construction site be returned to the same condition as found or better.

Said company shall indemnify and save harmless against all damages, costs and expenses whatsoever to which the City may be subjected in consequence of the acts or neglect of said Company, its agents or servants, or in any manner arising from the rights and privileges granted it by the City.

Attachment: Report Wellesley St (8322 : Eversource Gas - Wellesley St.)

In addition said company shall, before a public way is disturbed for the laying of its wire or conduit, execute its bond in the penal sum of Ten Thousand Dollars ($10,000) conditioned for the faithful performance of its duties under this permit.

Said company shall comply with the requirements of existing Ordinances and orders and comply with any changes in Ordinances and orders as may hereafter be adopted by the Mayor and Council governing the construction and maintenance of buried cable, conduits, and wires.

That any sidewalks that are damaged or removed will be replaced in kind and accordance with the City of Springfield's Standard Specifications.

Ramps for the handicapped will be provided if and where required by law and in conformance with the Rules and Regulations of the Massachusetts Architectural Barrier Board.

That any curbing that is disturbed during construction will be reset to the established street grade using proper construction procedures.

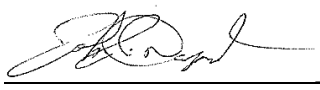
That due care be exercised not to unnecessarily damage any public shade trees located within the construction area.

That the Springfield Water and Sewer Commission be notified before construction begins. All installations of adjacent utilities must be a minimum of 4 feet from the existing water and/or sewer main, edge to edge of the pipe.

That all conditions outlined in the respective order are complied with.

_____)

_____) BOARD OF PUBLIC WORKS



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Attachment: Report Wellesley St (8322 : Eversource Gas - Wellesley St.)

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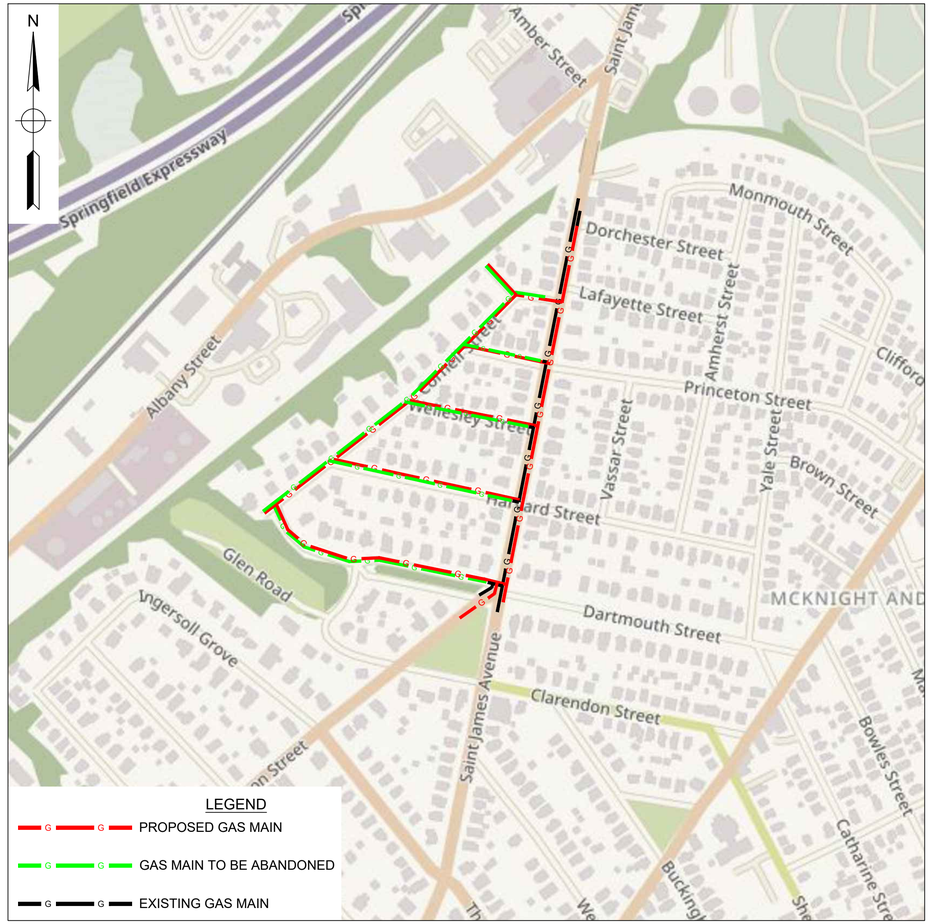
PROJECT SUMMARY TABLE
INSTALLATION INFORMATION

Work Type	LENGTH (FT)	SIZE (IN)	MAOP	MATERIAL
INSTALL	4,335'	2"	60 psig - MP	HDPE
INSTALL	1,733'	6"	60 psig - MP	HDPE
			INSTALLATION TOTAL	6,068'
			UPRATE/RETEST TOTAL	0'

PROJECT SUMMARY TABLE
ABANDONMENT INFORMATION

LENGTH (FT)	SIZE (IN)	MAOP	ABANDONMENT CLASS
2,776'	4"	14" WC	CI-(GSEP)
402'	6"	14" WC	CI-(GSEP)
173'	3"	14" WC	CI-(GSEP)
543'	4"	14" WC	Plastic (Non-GSEP)
303'	6"	14" WC	Plastic (Non-GSEP)
		GSEP ABANDONMENT SUBTOTAL	3,351'
		NON-GSEP ABANDONMENT SUBTOTAL	846'
		ABANDONMENT TOTAL	4,197'

EVERSOURCE



WORK SCOPE

WELLESLEY ST, SPRINGFIELD, MA
PROJECT #25EG005
WORK ORDER #16835296

REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS

Revision/Status

FOR PERMIT ONLY

PE STAMP AND SIGNATURE

THE DDS COMPANIES
153 CORDAVILLE RD
SUITE 210
SOUTHBOROUGH, MA 01772
(781) 385-4644

PROJECT # 71240161

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

EVERSOURCE
WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS
PROJECT # 25EG005 / WORK ORDER # 16835296
COVER SHEET
SCALE: 1"=40' ON 22"X34" SHEET 01 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP / 08/08/2024	ECP / 08/08/2024	MA-SPR-PIP-25-003-01	B

Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

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GENERAL NOTES:

A. 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.

1. IF THE TIE IN POINT MOVES TO A DIFFERENT SEGMENT OF PIPE THAN SHOWN.
2. IF A CHANGE IN THE LOCATION OF VALVES IS REQUIRED.
3. 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.
4. IF A CHANGE IN PIPE SIZE, MATERIAL, OR WALL THICKNESS IS REQUIRED.
5. ALTERNATE FITTINGS THAT ARE ACCEPTABLE FOR ANY TIE-IN DETAIL WILL BE CALLED OUT IN THE DRAWING. FITTING CHANGES NOT SHOWN AS ALTERNATIVES ON THE DRAWING WILL NEED TO FOLLOW THE DRAWING CHANGE PROCESS CONTAINED IN SECTION V.D.

B. CONSTRUCTION DRAWINGS, LOCATIONS OF EXISTING UTILITIES, UNDERGROUND STRUCTURES AND WORK LOCATIONS ARE BASED ON BEST AVAILABLE INFORMATION BUT HAVE NOT BEEN FIELD VERIFIED.

C. ALL WORK, MATERIAL AND CONSTRUCTION SHALL BE PERFORMED AND COMPLETED IN COMPLIANCE WITH ALL PERMITS AND APPROVALS PER EVERSOURCE, LOCAL, STATE, OSHA AND FEDERAL REGULATIONS AND STANDARDS.

D. ALL LIVE GAS WORK EXCEPT SERVICE SIZE TAPS, 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.

E. EXCAVATOR IS REQUIRED TO PROTECT EXISTING UTILITIES, STRUCTURES, LANDSCAPES FEATURES, SIGNAGE, CURBS, ETC. CARE SHOULD BE TAKEN NOT TO DISTURB OR DAMAGE SUCH ITEMS. 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.

F. 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.

DRAWING NOTES:

A. THE BASIS OF BEARING FOR ALL DRAWING SHEETS IS AN APPROXIMATED NORTH AMERICAN HORIZONTAL DATUM OF 1983 (NAD83).

B. THE BASIS OF ANY ELEVATIONS INCLUDED ON ALL DRAWING SHEETS IS AN APPROXIMATED NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

C. NORTH DIRECTION INCLUDED ON ALL DRAWING SHEETS DEPICTS "TRUE NORTH" IN THE NORTH AMERICAN HORIZONTAL DATUM OF 1983 (NAD83) AND IS APPROXIMATE ONLY.

D. PROPERTY LINE AND PUBLIC RIGHT-OF-WAY INFORMATION INCLUDED ON ALL DRAWING SHEETS IS TAKEN FROM MASSGIS AND IS APPROXIMATE ONLY.

E. UNDERGROUND AND OVERHEAD UTILITY INFORMATION INCLUDED ON ALL DRAWING SHEETS IS TAKEN FROM EVERSOURCE ENERGY GIS AND/OR RECORD INFORMATION SUPPLIED BY UTILITY PROVIDERS AND IS APPROXIMATE ONLY.

F. THE LOCATION OF ALL EXISTING UTILITIES INCLUDED ON ALL DRAWING SHEETS SHALL BE FIELD VERIFIED. IT IS NOTED THAT ADDITIONAL UTILITY INFRASTRUCTURE MAY EXIST.

G. MASSACHUSETTS STATE LAW REQUIRES 72 HOURS ADVANCE NOTICE TO UTILITY COMPANIES BEFORE DIGGING BY ANYONE. CALL DIG SAFE: 811 .

OVERVIEW KEY MAP
NOT TO SCALE

WELLESLEY ST , EAST LONGMEADOW, MA — **COMPLETE BOM**

REQUIRED BILL OF MATERIALS

Item Number	Maximo Part Number	Description	Quantity	Units
17	500856	COUPLING, 6 IN IPS, ELECTROFUSION, HDPE, BLACK, ASTM F1055, GFCP	1	EA
51	500867	TEE, PIPE, NON-BLOWING, ELECTROFUSION TAPPING TEE 4 IN IPS MAIN X 1 /2 IN CTS 0.090 IN THK WALL STAB OUTLET, HDPE, BLACK	7	EA
55	500869	TEE,PIPE, NON-BLOWING, 6 X 1/2 IN CTS X 0.090 IN THK WALL SDR 7, ELECTROFUSION X COMPRESSION ENDS, POLYETHYLENE, PE3408	1	EA
62	500870	FITTING,TEE, 6 IN IPS X 2 IN IPS, ELECTROFUSION HIGH VOLUME TAPPING WITH BUTT FUSION OUTLET, HDPE, ASTM F1055, BLACK, GFCP	12	EA
370	513679	CABLE, INSULATED, MDP, #12 AWG, 7 STR, YELLOW, POLYETHYLENE-30, SOFT DRAWN CU, 500 FT/RL, FOR USED AS PIPE LOCATOR	6050	FT
9	542538	CAP,PIPE, 4 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	8	EA
10	542539	CAP,PIPE, 6 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	3	EA
8	542572	CAP,PIPE, 2 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	6	EA
230	542982	CLAMP,PIPE, REPAIR, 6 IN CIP, SS, W/1-1/4 NPT TAP, FOR 6.84 - 7.24 IN PIPE	1	EA
226	542984	CLAMP,PIPE, REPAIR, 4 IN CIP , SS, W/1-1/4 NPT TAP, FOR 4.74 - 5.14 IN PIPE	1	EA
24	545339	ELBOW,PIPE, 45 DEG, 6 IN SDR 11, BUTT WELD ENDS, POLYETHYLENE, P100	2	EA
21	545342	ELBOW,PIPE, 90 DEG, 6 IN SDR 11, BUTT WELD ENDS, POLYETHYLENE, P100	2	EA
6	554009	PIPE, 6 IN IPS X 0.602 IN THK WALL SDR 11, 6.625 IN OD, 40 FT LG, POLYETHYLENE, PE3408/PE100	1800	FT
4	554032	PIPE, 2 IN IPS X 0.216 IN THK WALL SDR 11, 2.375 IN OD, 40 FT LG, POLYETHYLENE, PE3408/PE100, 3000 FT /BUNDLE, FOR WINTER USE	80	FT
359	554877	PLUG,PIPE, SQUARE HEAD, SOLID, 1-1/4 IN, THREADED END, BLACK IRON, ANSI B1.20.1	3	EA
26	555593	REDUCER,PIPE, 4 X 2 IPS, BUTT ENDS, POLYETHYLENE, P100, SDR11	1	EA
27	555594	REDUCER,PIPE, 6 X 4 IPS, BUTT ENDS, P100, POLYETYLENE, SDR 11	1	EA
31	560680	TEE,PIPE, 6 IN SDR 11, BUTT ENDS, POLYETHYLENE, P100	2	EA
29	560705	TEE,PIPE, 2 IN IPS SDR 11, BUTT ENDS, POLYETHYLENE, P100	5	EA
36	562078	VALVE,BALL, 6 IN IPS, POLYETHYLENE, SDR 11, P100, BUTT WELD, W/ FULL PORT OPENING, BLACK FINISH	4	EA
33	562087	VALVE,BALL, 2 IN IPS, POLYETHYLENE, SDR 11, BUTT WELD, W/ FULL PORT OPENING	13	EA
368	565814	TAPE,WARNING, MARKED BURIED GAS LINE, 4 MIL, 1000 FT ROLL, 6 IN W, YELLOW, ISSUE EACH ROLL AS 1, T-01-A00,	6	RL
224	578018	CLAMP,PIPE, 3 IN DIA, 6 IN LG, W/ 1-1/4 IN OUTLET, FULL CIRCLE REPAIR, FOR STEEL PIPE, SMITH BLAIR STYLE 234	1	EA
3	592668	PIPE, 2 IN IPS SDR 11, 250 FT LG COIL, HDPE PE4710, BLACK, ASTM D2513, 102 PSIG, W/ YELLOW STRIPES, REPLACING ITEMS 554007 AND 554025	4250	FT
1660	602892	FITTING,TEE, 2 IN IPS X 1 IN IPS, ELECTROFUSION, HDPE, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	6	EA
1661	602894	FITTING,TEE, 4 IN IPS X 1 IN IPS, ELECTROFUSION, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	4	EA
90	610757	FITTING,CAP, END, LYCOFIT, 1/2 IN CTS X 0.090 IN THK WALL, PLASTIC, CMA 750823	8	EA
92	610763	FITTING,CAP, END, LYCOFIT, 2 IN IPS, PLASTIC, SDR 11, CMA 750830	4	EA
98	610764	FITTING,COUPLING, PIPE, LYCOFIT, 1/2 IN CTS X 0.090 IN WALL THK, PLASTIC, CMA 21658100	8	EA
99	610772	FITTING,COUPLING, REPAIR, LYCOFIT, 2 IN IPS, PLASTIC, SDR 11, CMA 21658101	4	EA
1656	620089	FITTING,COUPLING, PIPE, LYCOFIT, 1 IN IPS SDR11, PLASTIC	10	EA
1653	620808	FITTING,CAP, LYCOFIT, 1 IN IPS SDR 11, PLASTIC, ASTM F1924	10	EA

REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS

Revision/Status

PE STAMP AND SIGNATURE

THE DDS COMPANIES
153 CORDAVILLE RD
SUITE 210
SOUTHBOROUGH, MA 01772
(781) 385-4644

PROJECT # 71240161

FOR PERMIT ONLY

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

EVERSOURCE

WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS
PROJECT # 25EG005 / WORK ORDER # 16835296
NOTES

SCALE: NTS — SHEET 02 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-02	B

Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

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Sep 19, 2024 - 2:02pm

DRAWING LEGEND

GAS MAIN SYMBOLOGY

REGULATING STATION 50' BOUNDARY

EXISTING GAS MAIN — G — G —

PROPOSED GAS MAIN — G — G —

EXISTING GAS SERVICE — G — G —

PROPOSED GAS SERVICE — G — G —

GAS MAIN TO BE ABANDONED — G — G —

GAS MAIN WITH SERVICE TRANSFERS — G — G —

GAS MAIN WITH PRESSURE INCREASE — G — G —

PROPOSED EASEMENT

EXISTING EASEMENT

RIGHT-OF-WAY

ELECTRIC — E — E —

WATER LINE — W — W —

SEWER LINE — S — S —

TELEPHONE — T — T —

DRAIN LINE — D — D —

FENCE LINE — x — x — x — x — x — x —

PROPERTY LINE

BIO STREAM

BIO WETLAND

BIO WETLAND BUFFER

GAS MAIN MATERIAL/PRESSURE LABEL REFERENCES

MATERIAL CODES

CS*	Coated Steel Gas Main
CI*	Cast Iron Gas Main
BS*	Bare Steel Gas Main
WI*	Wrought Iron Gas Main
PH*	High Density Polyethylene Gas Main
PM*	Medium Density Polyethylene Gas Main

PRESSURE CODES

*LP	Low Pressure (<0.5 PSIG or 14" W.C.)
*IP	Intermediate Pressure (>2 PSIG ≤ 10 PSIG)
*MP	Medium Pressure (>10 PSIG ≤ 60 PSIG)
*HP	High Pressure (>60 PSIG)

MISCELLANEOUS CODES

*-SER	Service
*-R	Riser
(TC)	Transmission Class

GAS MAIN INSTALLATION METHOD LABEL REFERENCES

AT	Attached
BH	Bridge Hanger
BLGH	Building Hanger
DB	Directional Bore
IS	Inserted
OC	Open Cut
PB	Pneumatic Bore
PL	Plowed
RT	Roof Top
(E)	Existing
(P)	Proposed

GAS FACILITY SYMBOLOGY

x"GV	Gas Valve
x"PV	Critical Gas Valve (Gate - GV, Plug - PV, PE Ball - BP, ST Ball - BV)
x"HVTT	High Volume Tapping Tee
x"SST	Pressure Control Fitting - ShortStopp Tee
x"SPH	Pressure Control Fitting - Spherical Tee
x"MF-BO	Pressure Control Fitting - Mueller Bottom-out
x"MF-SO	Pressure Control Fitting - Mueller Side-out
x"MF-FT	Pressure Control Fitting - Mueller Flange Tee Pressure Control Fitting
x"SS	- ShortStopp
x"MF	Pressure Control Fitting - Mueller Stopper Polytapp Side Saddle
x"x x" POLYTAP	Fitting
	Transition
	End Cap
	Riser
	Reducer
EM	Electronic Marker
TWS	Flush-mounted Tracer Wire Station
	Post Pipeline Marker with Tracer Wire
MM	Gas Main Marker without Tracer Wire
TW	Test Well
R	Regulator Station
R	Single Customer Regulator
M	Meter
MR	Meter with Regulator
TP	Test Point (Station)
T	Gas Service Tie-over
R	Gas Service Replacement
MMO	Meter Move Out
	Coupling

SWING TIE SYMBOLOGY

T	Telephone Manhole
D	Drain Manhole
E	Electric Manhole
	Catch Basin
S	Sewer Manhole
	Fire Hydrant
	Utility Pole
	Property Marker
T	Telephone Pedestal
C	Television Pedestal
U	Unknown Manhole
	Water Box
	Water Gate
E	Electric Pedestal
	Iron Pin
	Light Pole
	Inside Meter
	Outside Meter

FOR PERMIT ONLY

PE STAMP AND SIGNATURE

THE DDS COMPANIES
153 CORDAVILLE RD
SUITE 210
SOUTHBOROUGH, MA 01772
(781) 385-4644

PROJECT # 71240161

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS

Revision/Status

EVERSOURCE

WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS

PROJECT # 25EG005 / WORK ORDER # 16835296

LEGEND

SCALE: NTS — SHEET 03 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-03	B

Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

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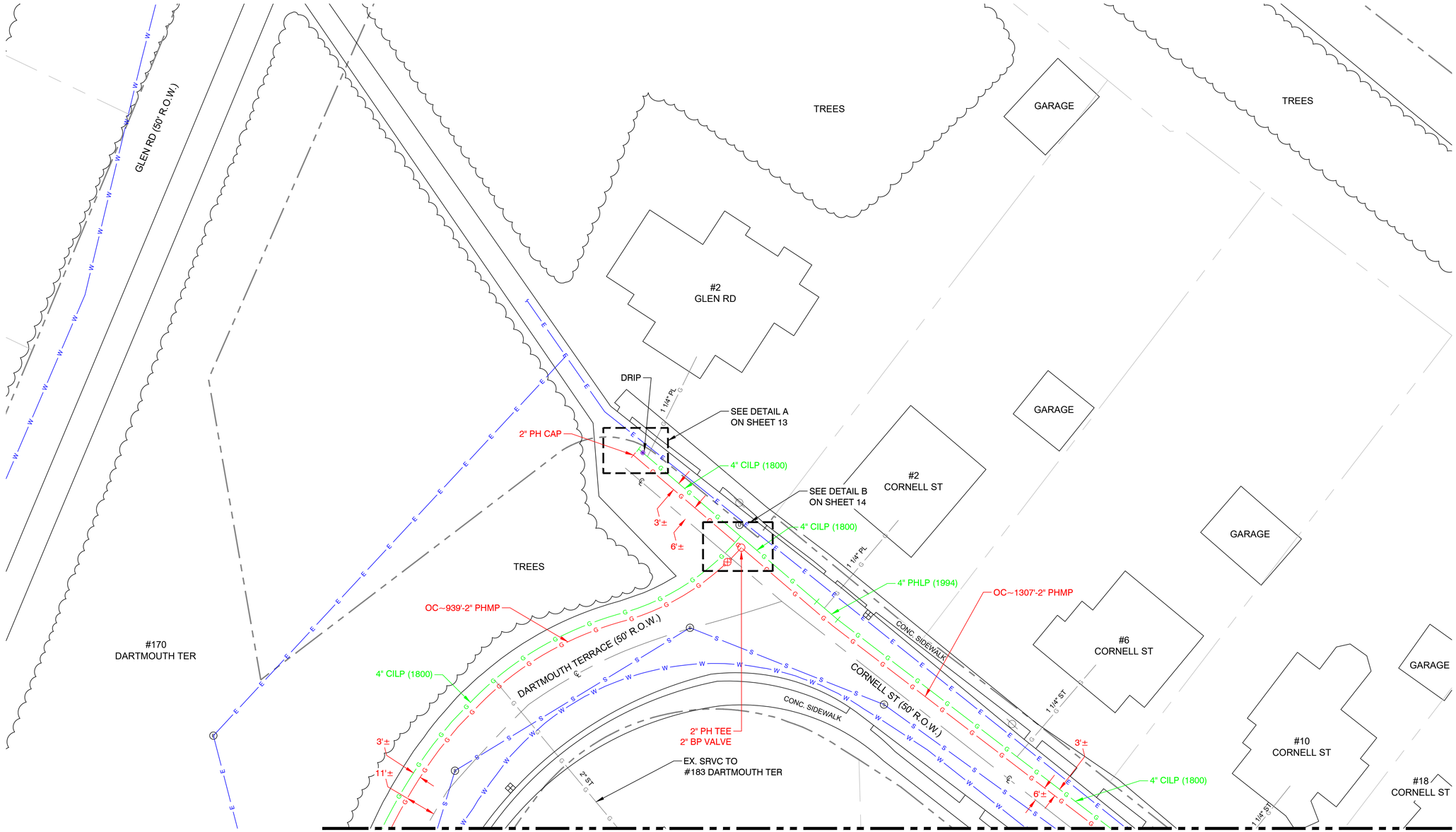

KEY MAP
SCALE: N.T.S.

REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS

Revision/Status

FOR PERMIT ONLY

PE STAMP AND SIGNATURE

THE DDS COMPANIES
153 CORDAVILLE RD
SUITE 210
SOUTHBOROUGH, MA 01772
(781) 385-4644

PROJECT # 71240161

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

EVERSOURCE

WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS
PROJECT # 25EG005 / WORK ORDER # 16835296
PROJECT LOCATION PLANS
SCALE: 1"=20' ON 22"X34" SHEET 04 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-04	B

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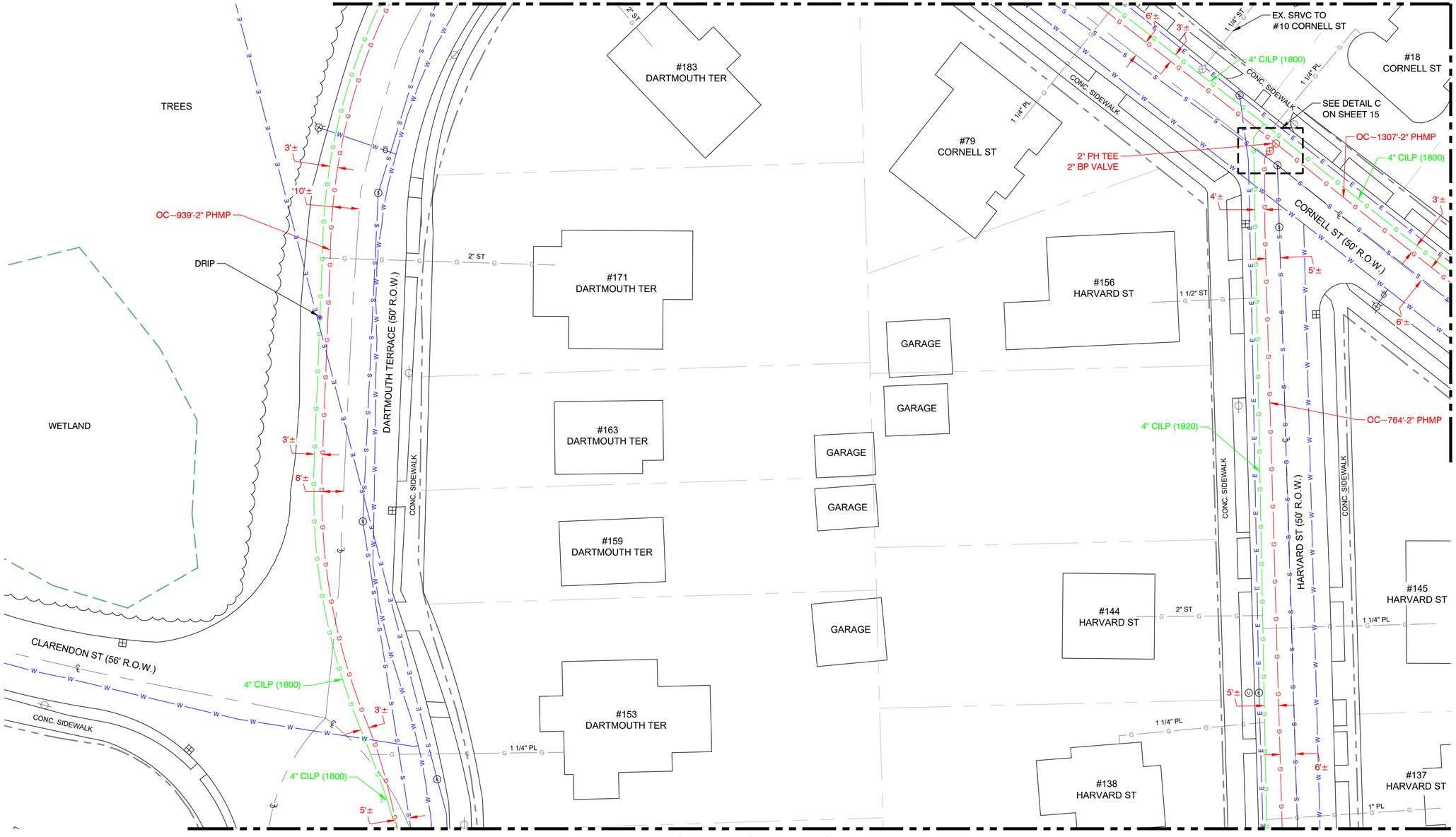
Sep 19, 2024 - 2:02pm

Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

MATCH LINE - SHEET 04 OF 38



MATCH LINE - SHEET 06 OF 38

MATCH LINE - SHEET 07 OF 38

KEY MAP
SCALE: N.T.S.

REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS

Revision/Status

FOR PERMIT ONLY

PE STAMP AND SIGNATURE

THE DDS COMPANIES
153 CORDAVILLE RD
SUITE 210
SOUTHBOROUGH, MA 01772
(781) 385-4644

PROJECT # 71240161

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

EVERSOURCE

WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS
PROJECT # 25EG005 / WORK ORDER # 16835296
PROJECT LOCATION PLANS
SCALE: 1"=20' ON 22"X34" SHEET 05 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-05	B

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Sep 19, 2024 - 2:02pm

Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

MATCH LINE - SHEET 05 OF 38

#22
CORNELL ST

#237
ALBANY ST

TREES

3'±

6'±

#34
CORNELL ST

#42
CORNELL ST

2" ST.

CONC. SIDEWALK

CORNELL ST (50' R.O.W.)

7" ST.

GARAGE

OC~1307'-2" PHMP

4" CILP (1800)

#52
CORNELL ST

1 1/4" PL

SEE DETAIL D
ON SHEET 16

GARAGE

#145
HARVARD ST

GARAGE

1" PL

#64
CORNELL ST

4" CILP (1800)

#137
HARVARD ST

#43
CORNELL ST

2" PH TEE
2" BP VALVE

1 1/4" PL

GARAGE

CONC. SIDEWALK

WELLESLEY ST (50' R.O.W.)

#46
WELLESLEY ST

#70
CORNELL ST

1 1/4" PL

GARAGE

5'±

6'±

CONC. SIDEWALK

#131
HARVARD ST

6'±

3'±

4" CILP (1800)

OC~526'-2" PHMP

#80
CORNELL ST

GARAGE

MATCH LINE - SHEET 08 OF 38

KEY MAP
SCALE: N.T.S.

N

REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS
	Revision/Status		

FOR PERMIT ONLY

PE STAMP AND SIGNATURE

THE DDS COMPANIES
153 CORDAVILLE RD
SUITE 210
SOUTHBOROUGH, MA 01772
(781) 385-4644

PROJECT # 71240161

FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

EVERSOURCE

WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS
PROJECT # 25EG005 / WORK ORDER # 16835296
PROJECT LOCATION PLANS

SCALE: 1"=20' ON 22"X34" SHEET 06 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-06	B

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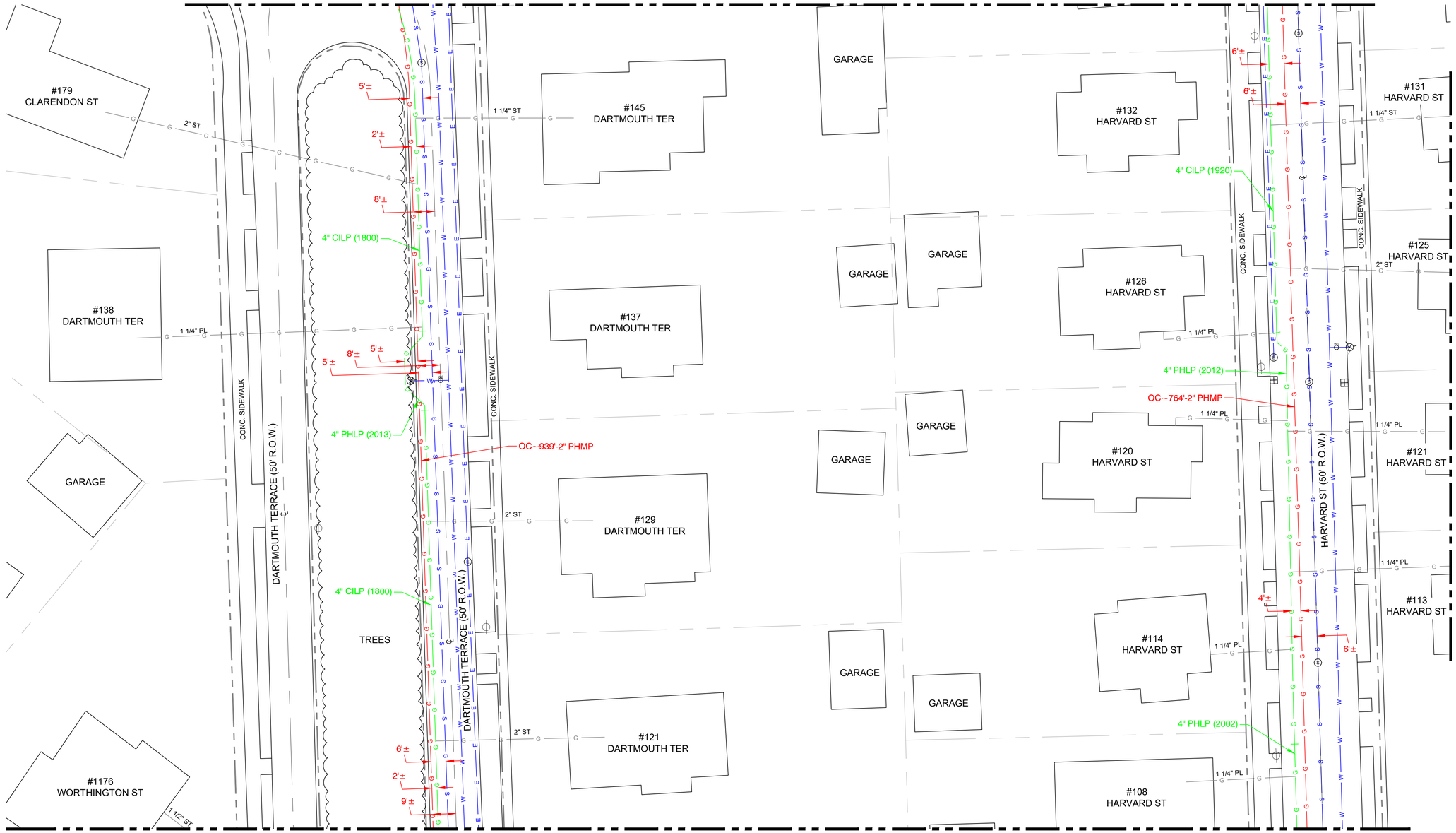
Sep 19, 2024 - 2:02pm

Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

MATCH LINE - SHEET 05 OF 38



MATCH LINE - SHEET 08 OF 38

MATCH LINE - SHEET 10 OF 38

REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS
Revision/Status			

FOR PERMIT ONLY

PE STAMP AND SIGNATURE

THE DDS COMPANIES
153 CORDAVILLE RD
SUITE 210
SOUTHBOROUGH, MA 01772
(781) 385-4644

PROJECT # 71240161

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

EVERSOURCE

WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS

PROJECT # 25EG005 / WORK ORDER # 16835296

PROJECT LOCATION PLANS

SCALE: 1"=20' ON 22"X34" SHEET 07 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-07	B

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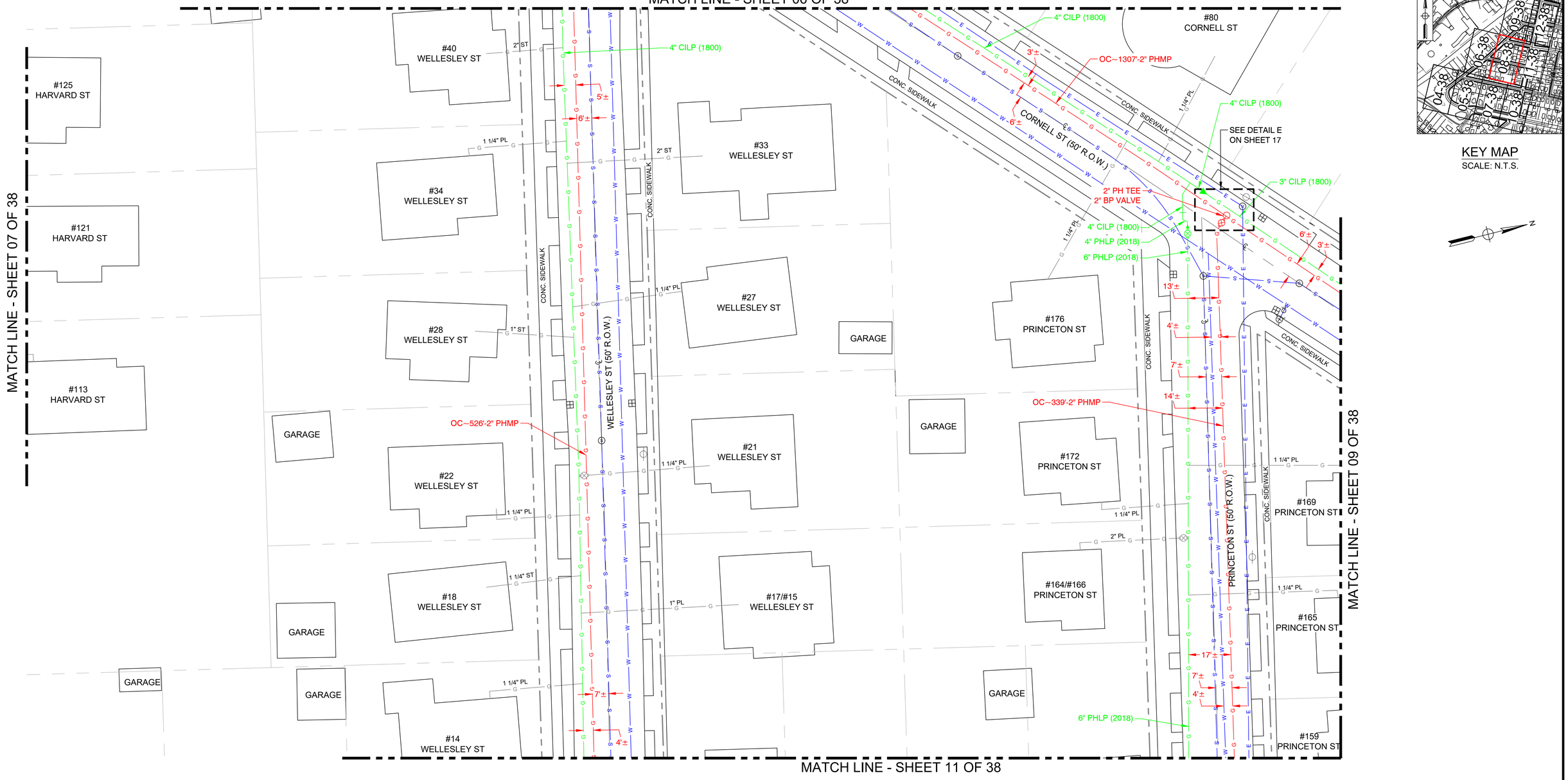
Sep 19, 2024 - 2:02pm

Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

MATCH LINE - SHEET 06 OF 38



REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS
	Revision/Status		

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PE STAMP AND SIGNATURE

THE DDS COMPANIES
153 CORDAVILLE RD
SUITE 210
SOUTHBOROUGH, MA 01772
(781) 385-4644

PROJECT # 71240161

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

EVERSOURCE

WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS

PROJECT # 25EG005 / WORK ORDER # 16835296

PROJECT LOCATION PLANS

SCALE: 1"=20' ON 22"X34" SHEET 08 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-08	B

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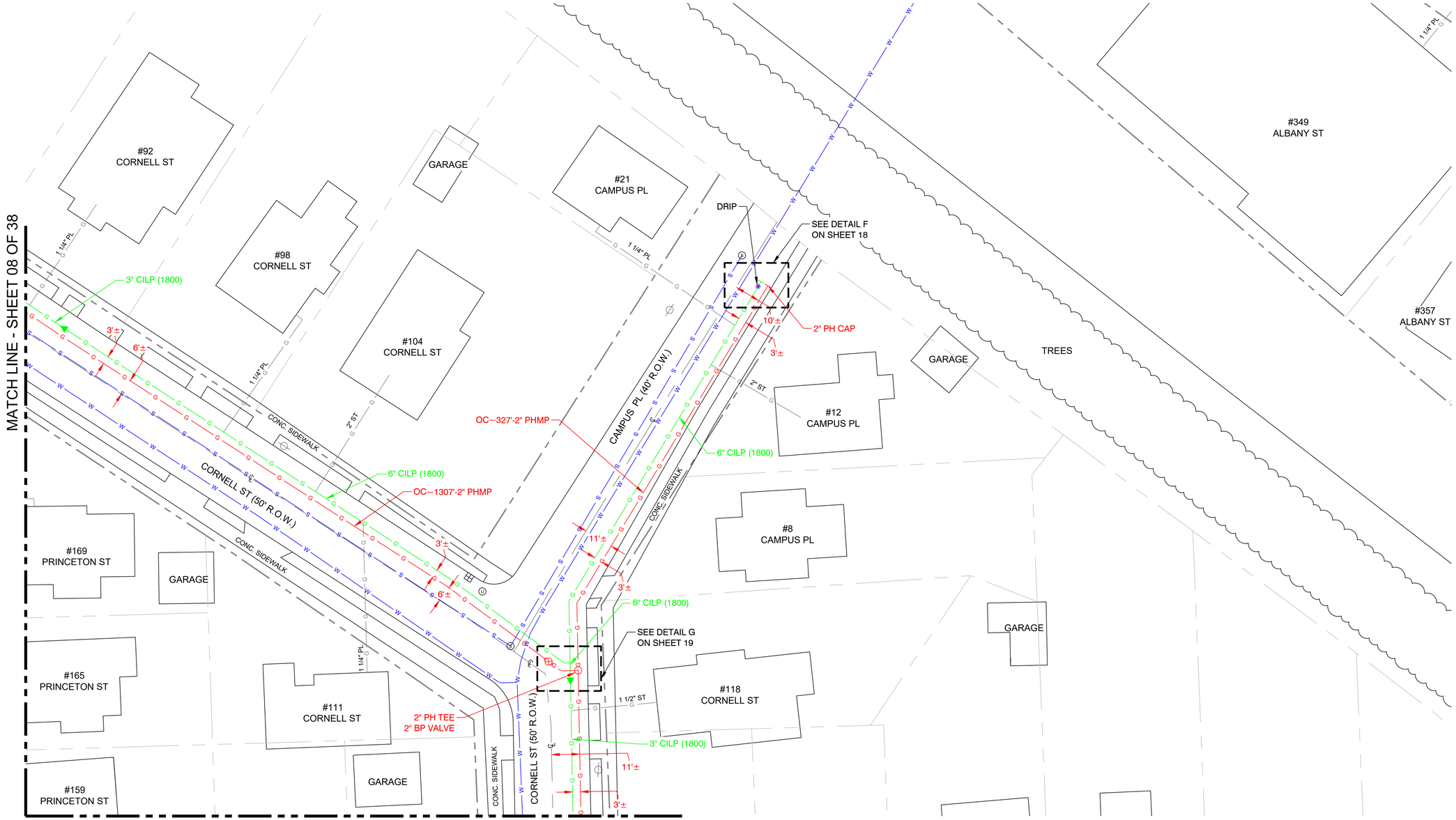
Sep 19, 2024 - 2:02pm

Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

KEY MAP
SCALE: N.T.S.



REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS
	Revision/Status		

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PE STAMP AND SIGNATURE

THE DDS COMPANIES
153 CORDAVILLE RD
SUITE 210
SOUTHBOROUGH, MA 01772
(781) 385-4644

PROJECT # 71240161

FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

EVERSOURCE

WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS
PROJECT # 25EG005 / WORK ORDER # 16835296
PROJECT LOCATION PLANS
SCALE: 1"=20' ON 22"X34" SHEET 09 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-09	B

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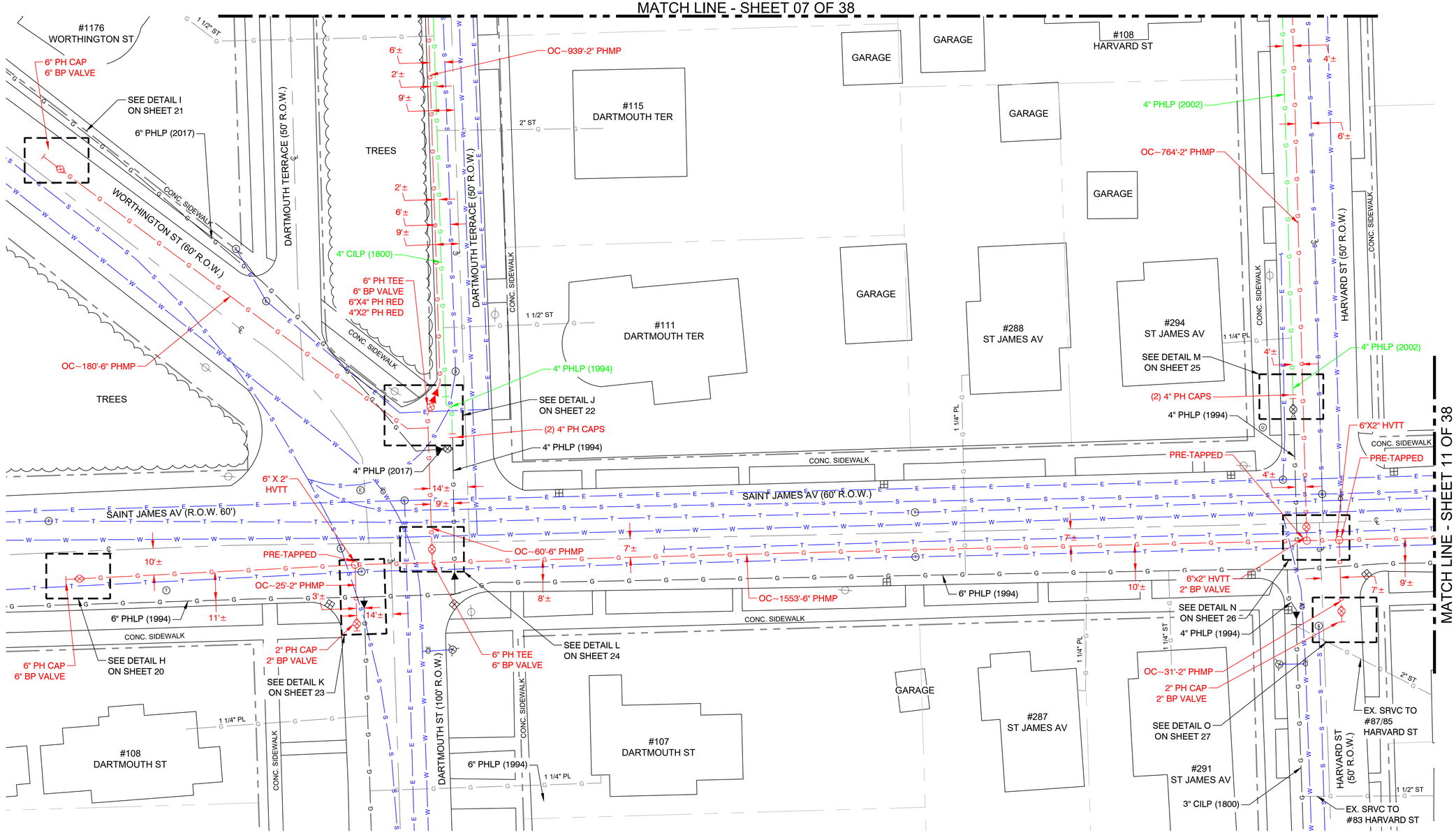
Sep 19, 2024 - 2:02pm

Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

MATCH LINE - SHEET 07 OF 38



KEY MAP
SCALE: N.T.S.

MATCH LINE - SHEET 11 OF 38

REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS

Revision/Status

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THE DDS COMPANIES
153 CORDAVILLE RD
SUITE 210
SOUTHBOROUGH, MA 01772
(781) 385-4644

PROJECT # 71240161

FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

EVERSOURCE

WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS
PROJECT # 25EG005 / WORK ORDER # 16835296
PROJECT LOCATION PLANS
SCALE: 1"=20' ON 22"X34" SHEET 10 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-10	B

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Sep 19, 2024 - 2:02pm

Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

MATCH LINE - SHEET 08 OF 38

MATCH LINE - SHEET 10 OF 38

MATCH LINE - SHEET 12 OF 38

#14 WELLESLEY ST
#306 ST JAMES AV
#314 ST JAMES AV
#320 ST JAMES AV
#334 ST JAMES AV
#340 ST JAMES AV
#344 ST JAMES AV
#350 ST JAMES AV
#87/#85 HARVARD ST
#83 HARVARD ST
#75 HARVARD ST
#313 ST JAMES AV
#317 ST JAMES AV
#323 ST JAMES AV
#327/#329 ST JAMES AV
#333/#335 ST JAMES AV
#341 ST JAMES AV
#347 ST JAMES AV
#134 PRINCETON ST

WELLESLEY ST (50' R.O.W.)
SAINT JAMES AV (60' R.O.W.)
PRINCETON ST (50' R.O.W.)

CONC. SIDEWALK
1 1/4" PL
2" ST
1 1/4" ST
GARAGE

4'±
6'±
OC~526'-2" PHMP
4" CILP (1800)
3'±
7'±
4" PHLP (1994)
(2) 4" PH CAPS
10'±
OC~1553'-6" PHMP
6" PHLP (1994)
SEE DETAIL P ON SHEET 28
PRE-TAPPED
6"x2" HVTT
2" BP VALVE
11'±
19'±
4'±
6" PHLP (2018)
OC~339'-2" PHMP
4" PHLP (2018)
5'±
8'±
PRE-TAPPED
6"X2" HVTT
22'±
(2) 4" PH CAPS
SEE DETAIL Q ON SHEET 29
8" CSLP (1958)
OC~30'-2" PHMP
2" PH CAP
2" BP VALVE
2'±
SEE DETAIL R ON SHEET 30
6" CSLP (1958)
EX. SRVC TO #355/#357 ST JAMES STREET

KEY MAP
SCALE: N.T.S.

REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS
	Revision/Status		

FOR PERMIT ONLY

PE STAMP AND SIGNATURE

THE DDS COMPANIES
153 CORDAVILLE RD
SUITE 210
SOUTHBOROUGH, MA 01772
(781) 385-4644

PROJECT # 71240161

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

EVERSOURCE

WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS
PROJECT # 25EG005 / WORK ORDER # 16835296
PROJECT LOCATION PLANS
SCALE: 1"=20' ON 22"X34"
SHEET 11 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-11	B

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Sep 19, 2024 - 2:02pm

Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

MATCH LINE - SHEET 09 OF 38

MATCH LINE - SHEET 11 OF 38

#159 PRINCETON ST
GARAGE
#153 PRINCETON ST
#368 ST JAMES AV
#372 ST JAMES AV
#384 ST JAMES AV
#390 ST JAMES AV
#394/#396 ST JAMES AV
#400 ST JAMES AV
#406/#408 ST JAMES AV
#412 ST JAMES AV
CONC. SIDEWALK
CORNELL ST (50' R.O.W.)
SAINT JAMES AV (R.O.W. 60')
1 1/4" PL
2" PL
1 1/2" PL
1 1/4" ST
1/2" PL
11'±
3'±
3" CILP (1800)
SEE DETAIL U ON SHEET 33
OC~327'-2" PHMP
PRE-TAPPED
6"X2" HVTT
4'±
6'±
7'±
8'±
2'±
3'±
8" CSLP (1958)
4" STLP (1800)
9'±
6" EF CPLG
8" CSLP (1958)
PRE-TAPPED
6"X2" HVTT
2" BP VALVE
19'±
OC~1553'-6" PHMP
OC~26'-2" PHMP
SEE DETAIL S ON SHEET 31
SEE DETAIL T ON SHEET 32
SEE DETAIL V ON SHEET 34
2" PH CAP
2" BP VALVE
6" PHMP (1992)
#377 ST JAMES AV
#387 ST JAMES AV
#393 ST JAMES AV
#403 ST JAMES AV
#407 ST JAMES AV
#367 ST JAMES AV
#355/#357 ST JAMES AV
TREES
LAFAYETTE ST (50' R.O.W.)
DORCHESTER ST (50' R.O.W.)
4" CILP (1910)
3" CILP (1894)
EX. SRVC TO #47 DORCHESTER ST
EX. SRVC TO #43 DORCHESTER ST
EX. SRVC TO #37 DORCHESTER ST
GARAGE
#44 LAFAYETTE ST
#43 LAFAYETTE ST
#131 PRINCETON ST
1" PL

KEY MAP
SCALE: N.T.S.

REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS

Revision/Status

FOR PERMIT ONLY

PE STAMP AND SIGNATURE

THE DDS COMPANIES
153 CORDAVILLE RD
SUITE 210
SOUTHBOROUGH, MA 01772
(781) 385-4644

PROJECT # 71240161

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

EVERSOURCE

WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS
PROJECT # 25EG005 / WORK ORDER # 16835296
PROJECT LOCATION PLANS
SCALE: 1"=20' ON 22"X34" SHEET 12 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-12	B

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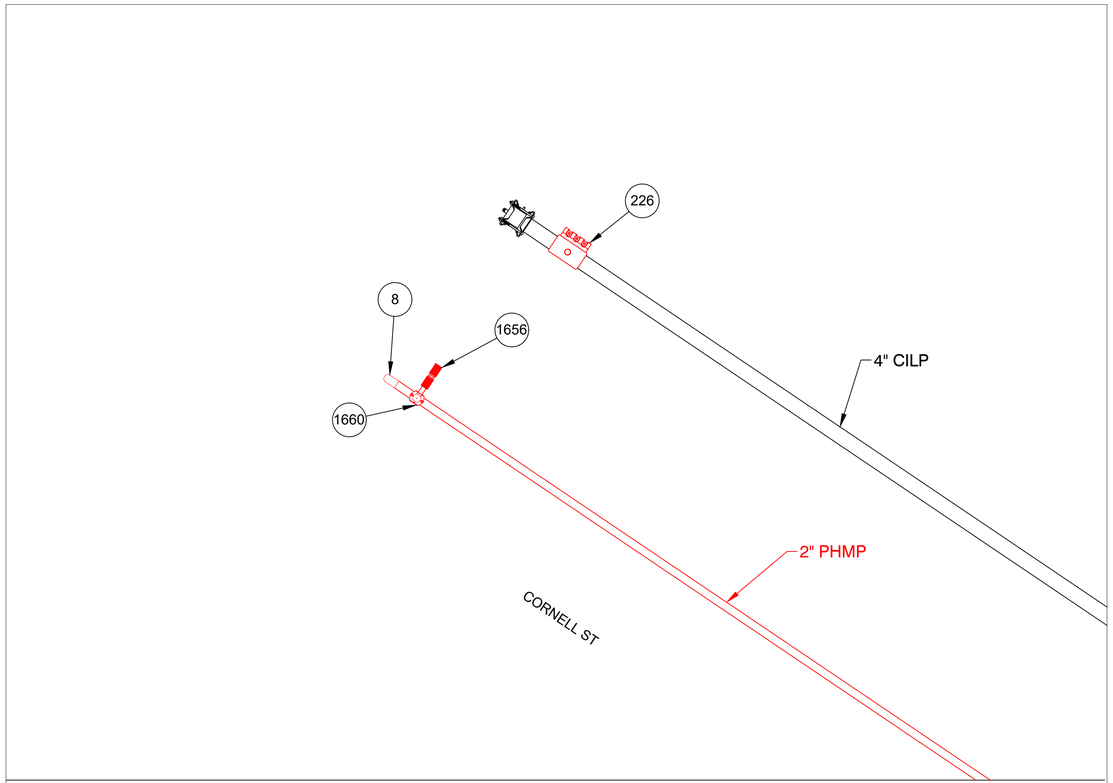
Sep 19, 2024 - 2:02pm

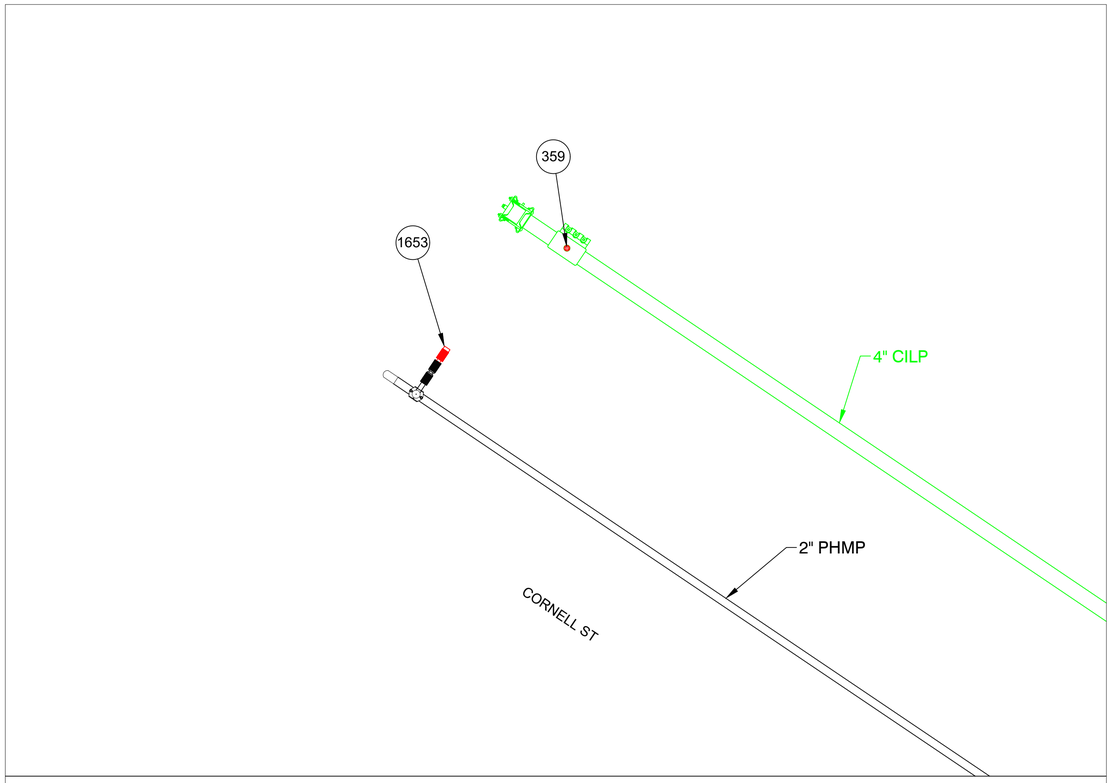
Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

WELLESLEY ST , EAST LONGMEADOW, MA				DETAIL "A" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1656	MCJUREMA-000	620089	FITTING,COUPLING, PIPE, LYCOFIT, 1 IN IPS SDR11, PLASTIC	1	EA
1660	MCJUREMA-000	602892	FITTING,TEE, 2 IN IPS X 1 IN IPS, ELECTROFUSION, HDPE, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	1	EA
226	63462109	542984	CLAMP,PIPE, REPAIR, 4 IN CIP , SS, W/1-1/4 NPT TAP, FOR 4.74 - 5.14 IN PIPE	1	EA
8	63078024	542572	CAP,PIPE, 2 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	1	EA



PREPARATORY TIE-IN DETAIL A
NOT TO SCALE

WELLESLEY ST , EAST LONGMEADOW, MA				DETAIL "A" FINAL	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1653	MCJUREMA-000	620808	FITTING,CAP, LYCOFIT, 1 IN IPS SDR 11, PLASTIC, ASTM F1924	1	EA
359	19080285	554877	PLUG,PIPE, SQUARE HEAD, SOLID, 1-1/4 IN, THREADED END, BLACK IRON, ANSI B1.20.1	1	EA



FINAL TIE-IN DETAIL A
NOT TO SCALE

REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS

Revision/Status

FOR PERMIT ONLY

PE STAMP AND SIGNATURE

THE DDS COMPANIES
153 CORDAVILLE RD
SUITE 210
SOUTHBOROUGH, MA 01772
(781) 385-4644

PROJECT # 71240161

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

EVERSOURCE

WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS
PROJECT # 25EG005 / WORK ORDER # 16835296
MA PREPARATORY AND FINAL TIE-IN DETAILS

SCALE: N.T.S. SHEET 13 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-13	B

Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

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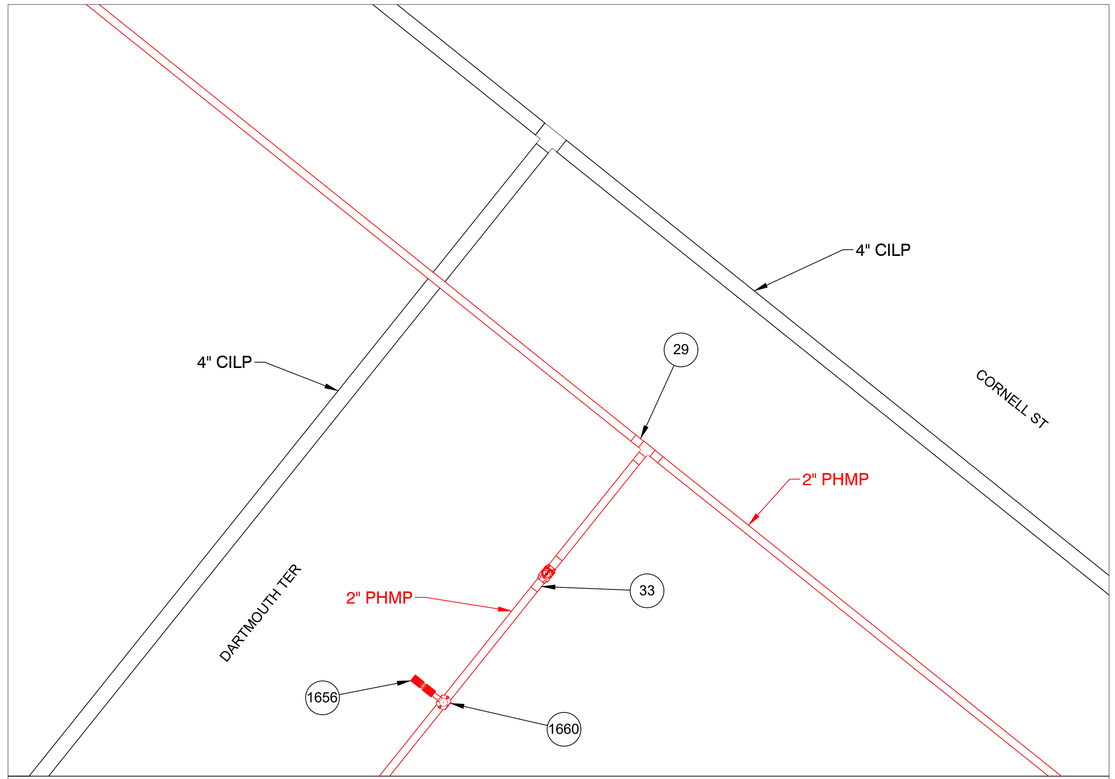
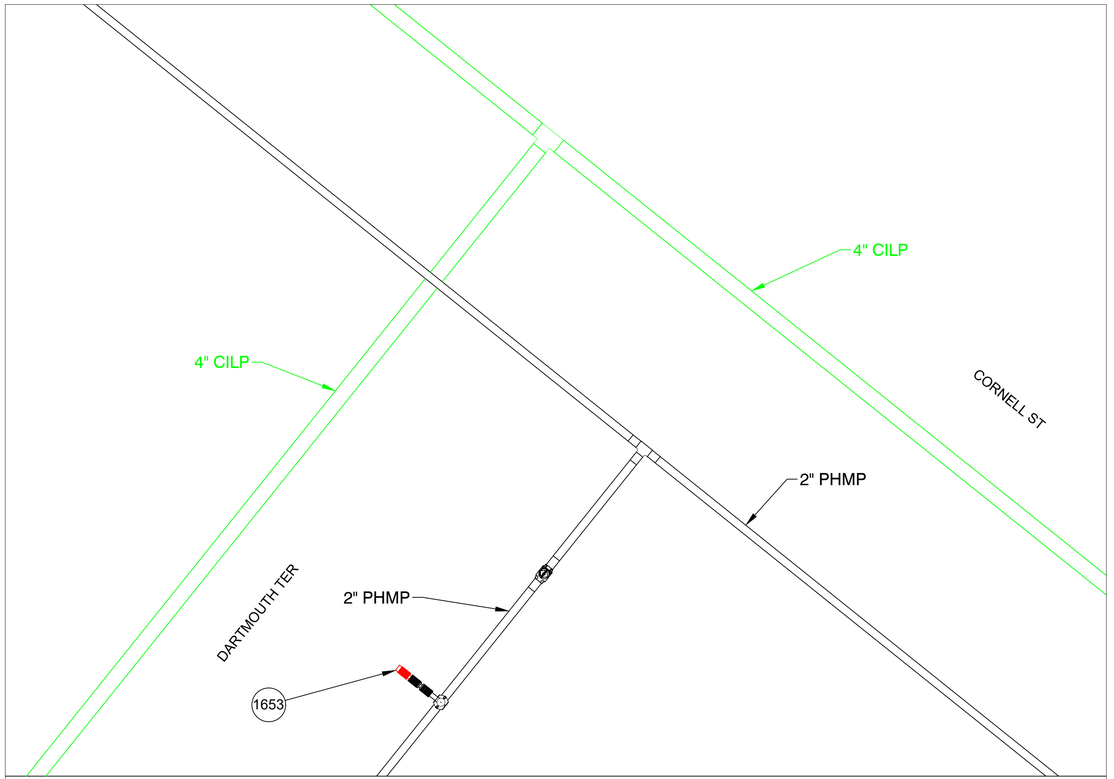
Sep 19, 2024 - 2:02pm

WELLESLEY ST , EAST LONGMEADOW, MA				DETAIL "B" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1656	MCJUREMA-000	620089	FITTING,COUPLING, PIPE, LYCOFIT, 1 IN IPS SDR11, PLASTIC	1	EA
1660	MCJUREMA-000	602892	FITTING,TEE, 2 IN IPS X 1 IN IPS, ELECTROFUSION, HDPE, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	1	EA
29	63078441	560705	TEE,PIPE, 2 IN IPS SDR 11, BUTT ENDS, POLYETHYLENE, P100	1	EA
33	14281726	562087	VALVE,BALL, 2 IN IPS, POLYETHYLENE, SDR 11, BUTT WELD, W/ FULL PORT OPENING	1	EA



PREPARATORY TIE-IN DETAIL B
NOT TO SCALE

WELLESLEY ST , EAST LONGMEADOW, MA				DETAIL "B" FINAL	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1653	MCJUREMA-000	620808	FITTING,CAP, LYCOFIT, 1 IN IPS SDR 11, PLASTIC, ASTM F1924	1	EA



FINAL TIE-IN DETAIL B
NOT TO SCALE

REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS

Revision/Status

FOR PERMIT ONLY

PE STAMP AND SIGNATURE

THE DDS COMPANIES
153 CORDAVILLE RD
SUITE 210
SOUTHBOROUGH, MA 01772
(781) 385-4644

PROJECT # 71240161

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

EVERSOURCE

WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS
PROJECT # 25EG005 / WORK ORDER # 16835296
MA PREPARATORY AND FINAL TIE-IN DETAILS

SCALE: N.T.S. SHEET 14 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-14	B

Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

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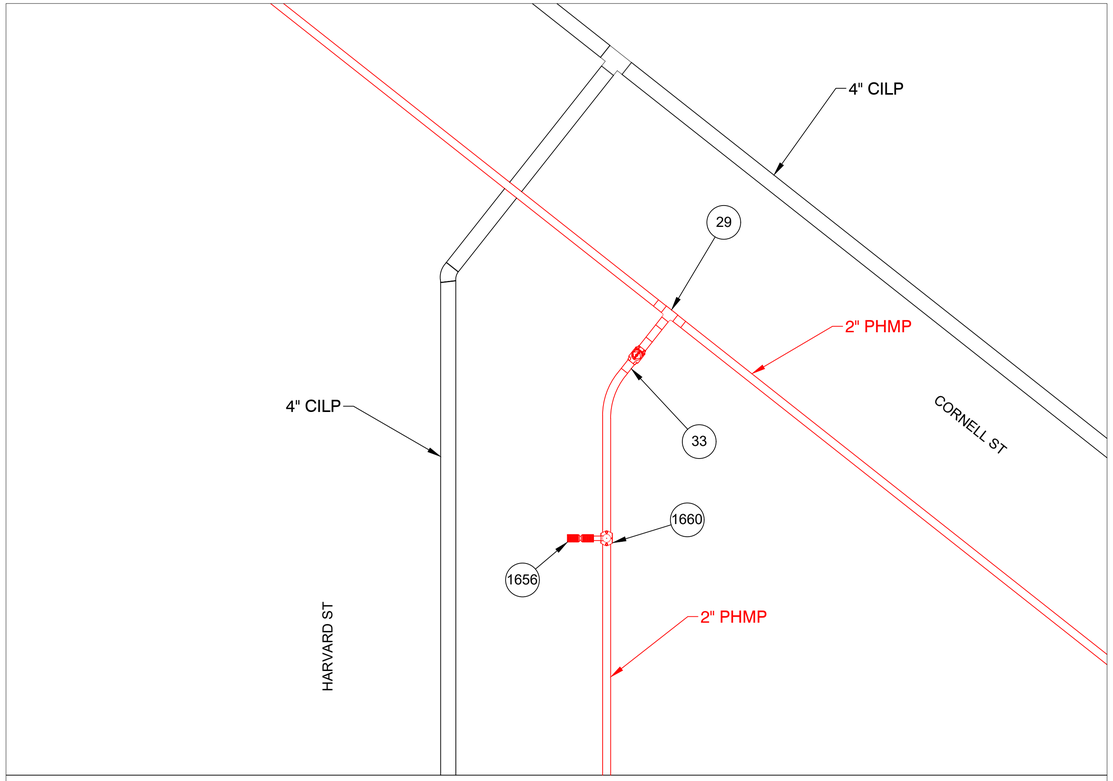
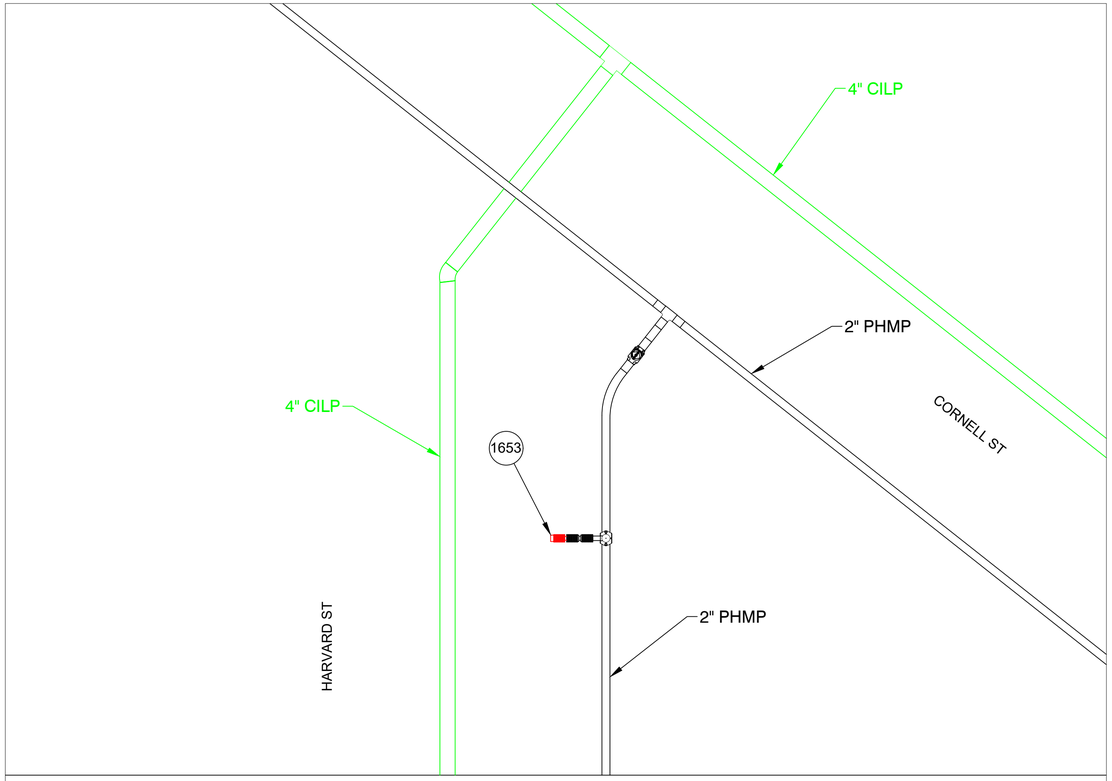
Sep 19, 2024 - 2:02pm

WELLESLEY ST , EAST LONGMEADOW, MA				DETAIL "C" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1656	MCJUREMA-000	620089	FITTING,COUPLING, PIPE, LYCOFIT, 1 IN IPS SDR11, PLASTIC	1	EA
1660	MCJUREMA-000	602892	FITTING,TEE, 2 IN IPS X 1 IN IPS, ELECTROFUSION, HDPE, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	1	EA
29	63078441	560705	TEE,PIPE, 2 IN IPS SDR 11, BUTT ENDS, POLYETHYLENE, P100	1	EA
33	14281726	562087	VALVE,BALL, 2 IN IPS, POLYETHYLENE, SDR 11, BUTT WELD, W/ FULL PORT OPENING	1	EA



PREPARATORY TIE-IN DETAIL C
NOT TO SCALE

WELLESLEY ST , EAST LONGMEADOW, MA					DETAIL "C" FINAL
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1653	MCJUREMA-000	620808	FITTING,CAP, LYCOFIT, 1 IN IPS SDR 11, PLASTIC, ASTM F1924	1	EA



FINAL TIE-IN DETAIL C
NOT TO SCALE

FOR PERMIT ONLY

PE STAMP AND SIGNATURE

THE DDS COMPANIES
153 CORDAVILLE RD
SUITE 210
SOUTHBOROUGH, MA 01772
(781) 385-4644

PROJECT # 71240161

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS

Revision/Status

EVERSOURCE

WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS
PROJECT # 25EG005 / WORK ORDER # 16835296
MA PREPARATORY AND FINAL TIE-IN DETAILS

SCALE: N.T.S. SHEET 15 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-15	B

Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

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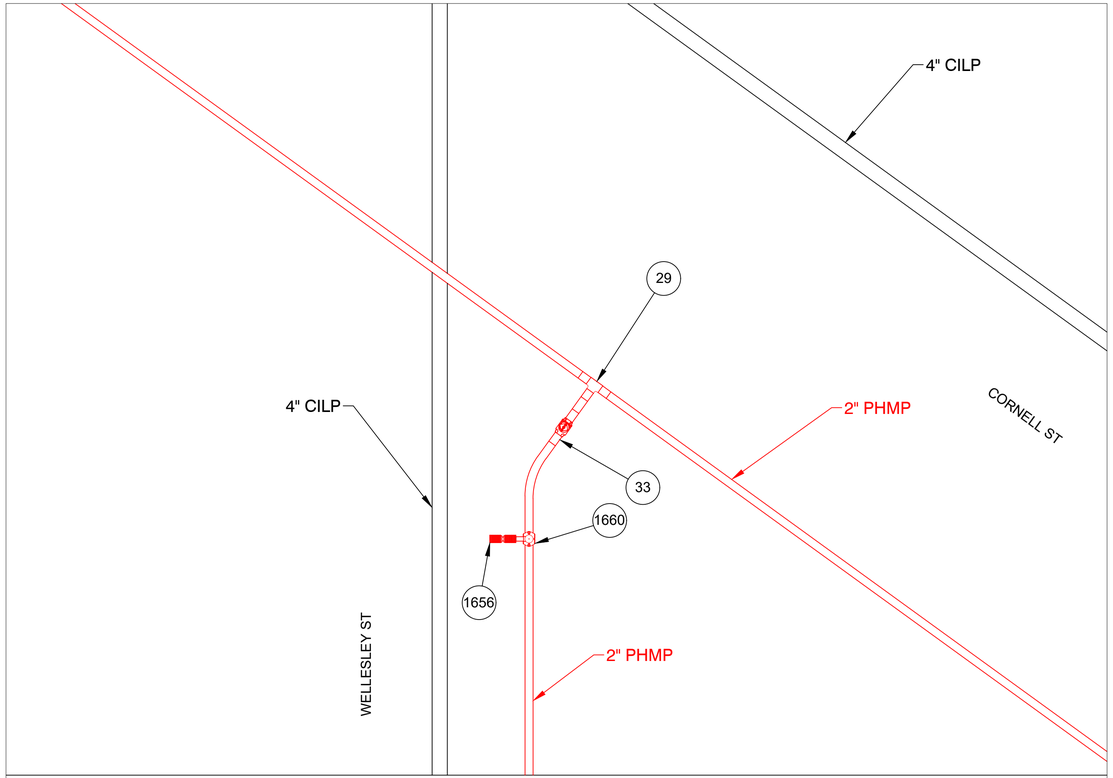
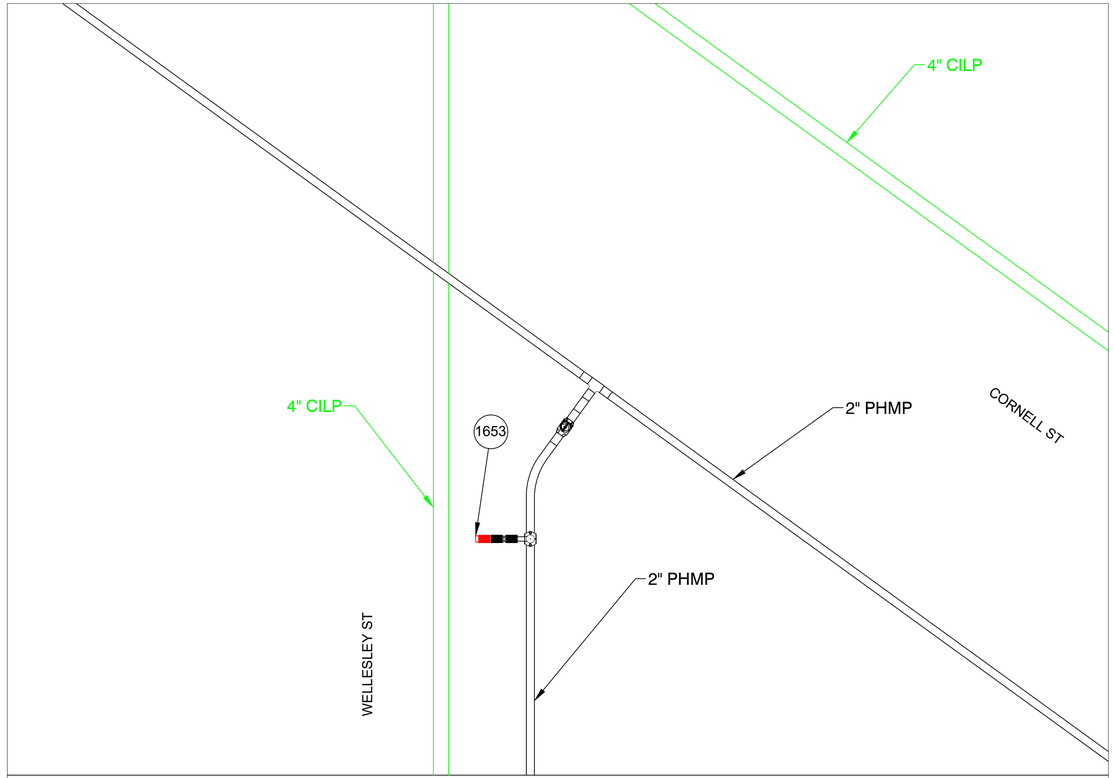
Sep 19, 2024 - 2:02pm

WELLESLEY ST , EAST LONGMEADOW, MA				DETAIL "D" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1656	MCJUREMA-000	620089	FITTING,COUPLING, PIPE, LYCOFIT, 1 IN IPS SDR11, PLASTIC	1	EA
1660	MCJUREMA-000	602892	FITTING,TEE, 2 IN IPS X 1 IN IPS, ELECTROFUSION, HDPE, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	1	EA
29	63078441	560705	TEE,PIPE, 2 IN IPS SDR 11, BUTT ENDS, POLYETHYLENE, P100	1	EA
33	14281726	562087	VALVE,BALL, 2 IN IPS, POLYETHYLENE, SDR 11, BUTT WELD, W/ FULL PORT OPENING	1	EA



PREPARATORY TIE-IN DETAIL D
NOT TO SCALE

WELLESLEY ST , EAST LONGMEADOW, MA					DETAIL "D" FINAL
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1653	MCJUREMA-000	620808	FITTING,CAP, LYCOFIT, 1 IN IPS SDR 11, PLASTIC, ASTM F1924	1	EA



FINAL TIE-IN DETAIL D
NOT TO SCALE

REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS

Revision/Status

EVERSOURCE

WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS
PROJECT # 25EG005 / WORK ORDER # 16835296
MA PREPARATORY AND FINAL TIE-IN DETAILS

SCALE: N.T.S. SHEET 16 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-16	B

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PE STAMP AND SIGNATURE

THE DDS COMPANIES
153 CORDAVILLE RD
SUITE 210
SOUTHBOROUGH, MA 01772
(781) 385-4644

PROJECT # 71240161

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

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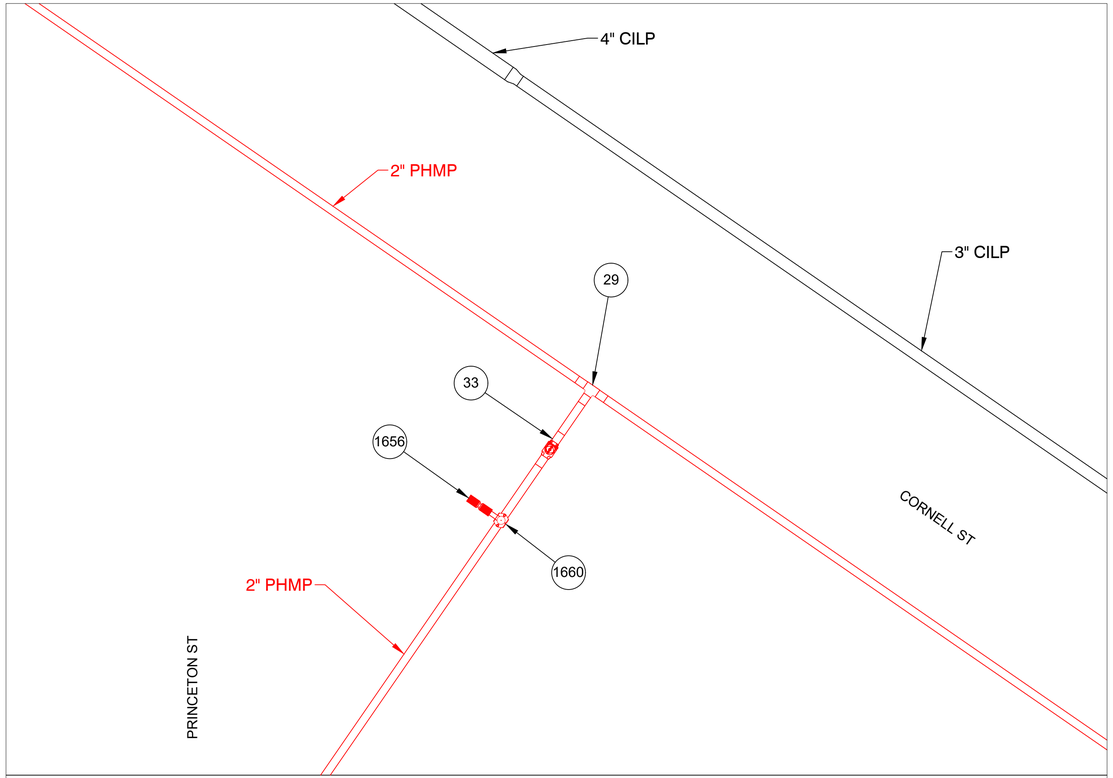
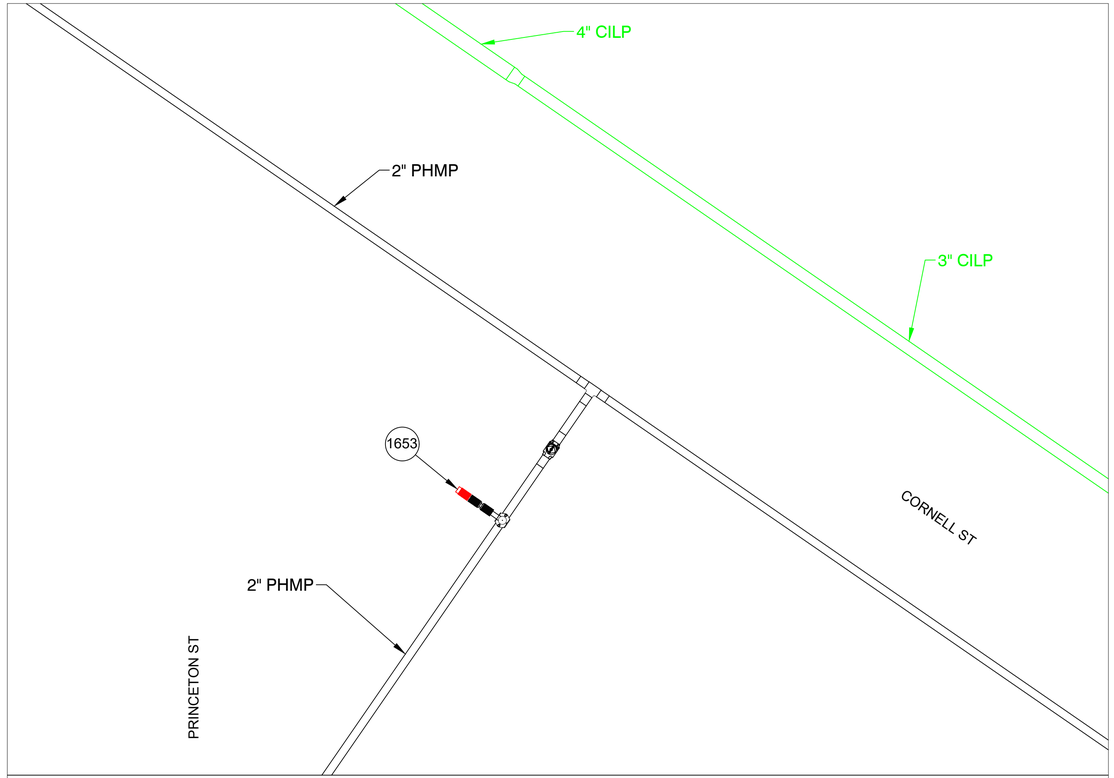
Sep 19, 2024 - 2:02pm

WELLESLEY ST , EAST LONGMEADOW, MA				DETAIL "E" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1656	MCJUREMA-000	620089	FITTING,COUPLING, PIPE, LYCOFIT, 1 IN IPS SDR11, PLASTIC	1	EA
1660	MCJUREMA-000	602892	FITTING,TEE, 2 IN IPS X 1 IN IPS, ELECTROFUSION, HDPE, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	1	EA
29	63078441	560705	TEE,PIPE, 2 IN IPS SDR 11, BUTT ENDS, POLYETHYLENE, P100	1	EA
33	14281726	562087	VALVE,BALL, 2 IN IPS, POLYETHYLENE, SDR 11, BUTT WELD, W/ FULL PORT OPENING	1	EA



PREPARATORY TIE-IN DETAIL E
NOT TO SCALE

WELLESLEY ST , EAST LONGMEADOW, MA				DETAIL "E" FINAL	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1653	MCJUREMA-000	620808	FITTING,CAP, LYCOFIT, 1 IN IPS SDR 11, PLASTIC, ASTM F1924	1	EA



FINAL TIE-IN DETAIL E
NOT TO SCALE

FOR PERMIT ONLY

PE STAMP AND SIGNATURE

THE DDS COMPANIES
153 CORDAVILLE RD
SUITE 210
SOUTHBOROUGH, MA 01772
(781) 385-4644

PROJECT # 71240161

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS

Revision/Status

EVERSOURCE

WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS
PROJECT # 25EG005 / WORK ORDER # 16835296
MA PREPARATORY AND FINAL TIE-IN DETAILS

SCALE: N.T.S. SHEET 17 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-17	B

Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

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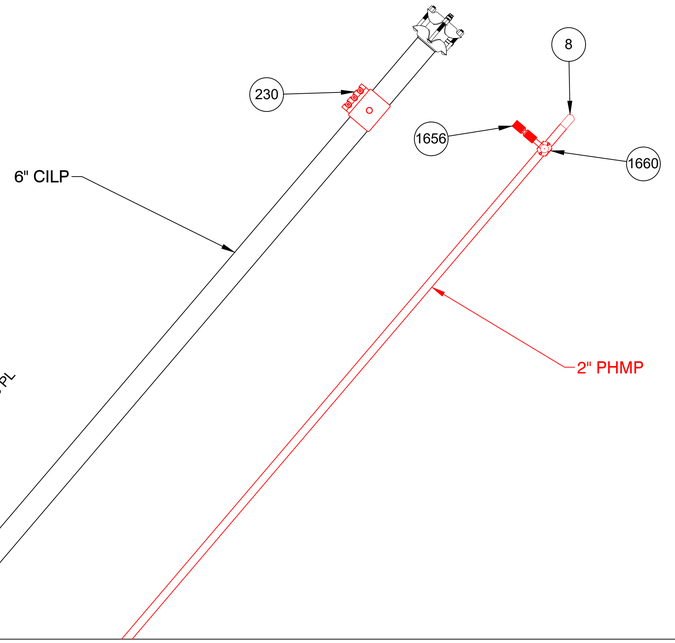
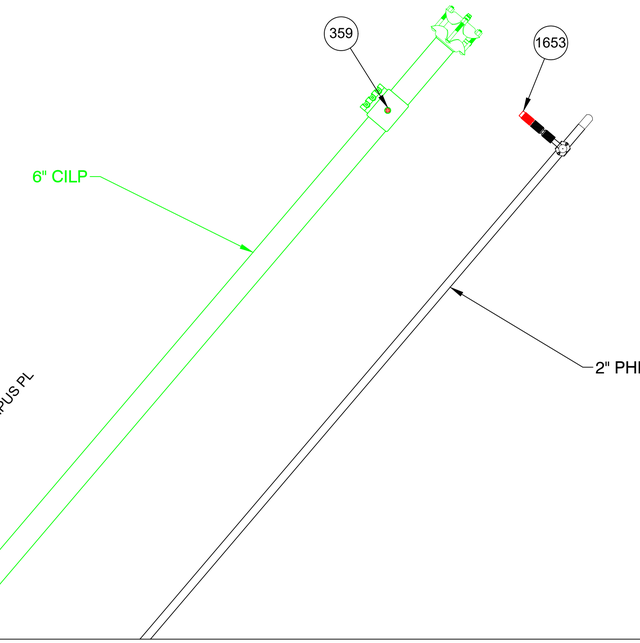
Sep 19, 2024 - 2:02pm

WELLESLEY ST , EAST LONGMEADOW, MA				DETAIL "F" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1656	MCJUREMA-000	620089	FITTING,COUPLING, PIPE, LYCOFIT, 1 IN IPS SDR11, PLASTIC	1	EA
1660	MCJUREMA-000	602892	FITTING,TEE, 2 IN IPS X 1 IN IPS, ELECTROFUSION, HDPE, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	1	EA
230	63462155	542982	CLAMP,PIPE, REPAIR, 6 IN CIP, SS, W/1-1/4 NPT TAP, FOR 6.84 - 7.24 IN PIPE	1	EA
8	63078024	542572	CAP,PIPE, 2 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	1	EA



PREPARATORY TIE-IN DETAIL F
NOT TO SCALE

WELLESLEY ST , EAST LONGMEADOW, MA				DETAIL "F" FINAL	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1653	MCJUREMA-000	620808	FITTING,CAP, LYCOFIT, 1 IN IPS SDR 11, PLASTIC, ASTM F1924	1	EA
359	19080285	554877	PLUG,PIPE, SQUARE HEAD, SOLID, 1-1/4 IN, THREADED END, BLACK IRON, ANSI B1.20.1	1	EA



FINAL TIE-IN DETAIL F
NOT TO SCALE

FOR PERMIT ONLY

PE STAMP AND SIGNATURE

THE DDS COMPANIES
153 CORDAVILLE RD
SUITE 210
SOUTHBOROUGH, MA 01772
(781) 385-4644

PROJECT # 71240161

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS

Revision/Status

EVERSOURCE

WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS
PROJECT # 25EG005 / WORK ORDER # 16835296
MA PREPARATORY AND FINAL TIE-IN DETAILS
SCALE: N.T.S. SHEET 18 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-18	B

Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

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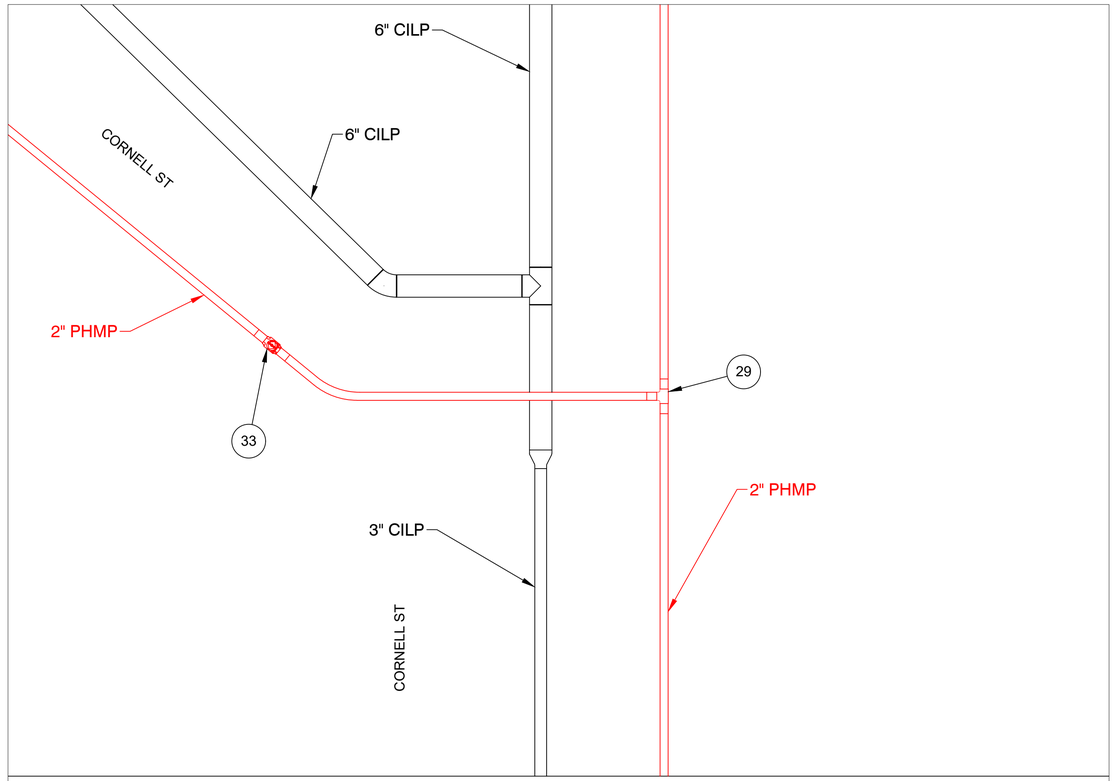
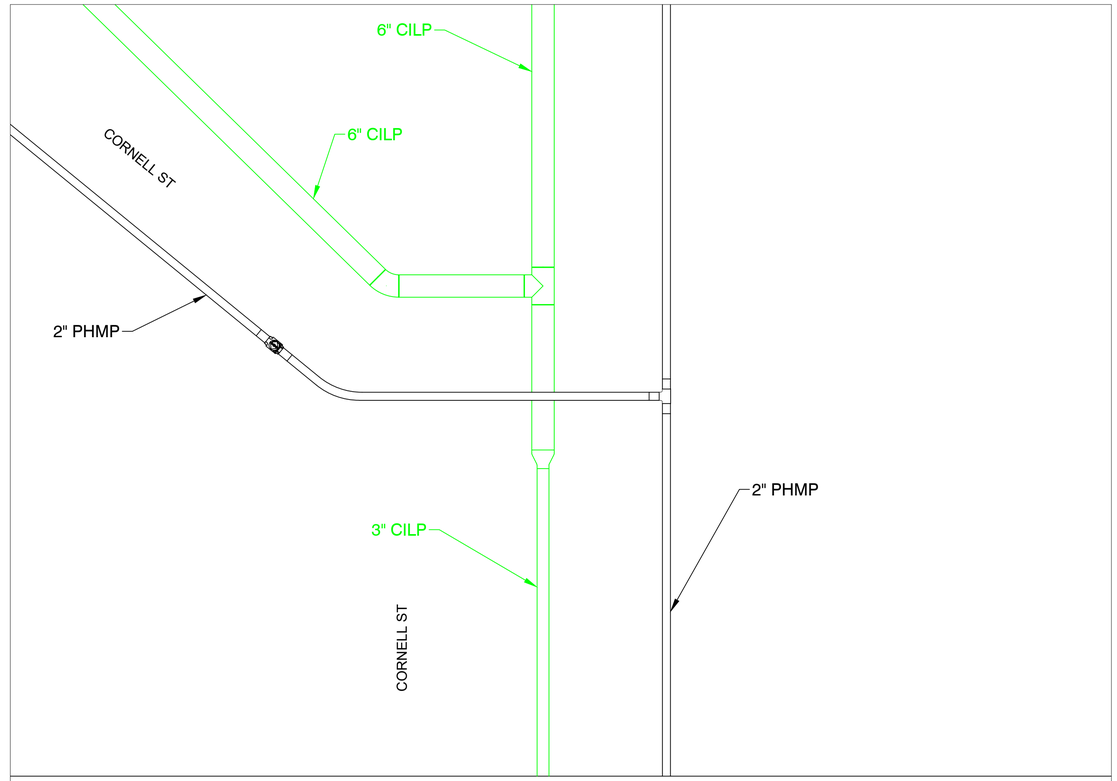
Sep 19, 2024 - 2:02pm

WELLESLEY ST , EAST LONGMEADOW, MA				DETAIL "G" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
29	63078441	560705	TEE,PIPE, 2 IN IPS SDR 11, BUTT ENDS, POLYETHYLENE, P100	1	EA
33	14281726	562087	VALVE,BALL, 2 IN IPS, POLYETHYLENE, SDR 11, BUTT WELD, W/ FULL PORT OPENING	1	EA



PREPARATORY TIE-IN DETAIL G
NOT TO SCALE



FINAL TIE-IN DETAIL G
NOT TO SCALE

REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS

Revision/Status

FOR PERMIT ONLY

PE STAMP AND SIGNATURE

THE DDS COMPANIES
153 CORDAVILLE RD
SUITE 210
SOUTHBOROUGH, MA 01772
(781) 385-4644

PROJECT # 71240161

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

EVERSOURCE

WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS
PROJECT # 25EG005 / WORK ORDER # 16835296
MA PREPARATORY AND FINAL TIE-IN DETAILS

SCALE: N.T.S. SHEET 19 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-19	B

Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

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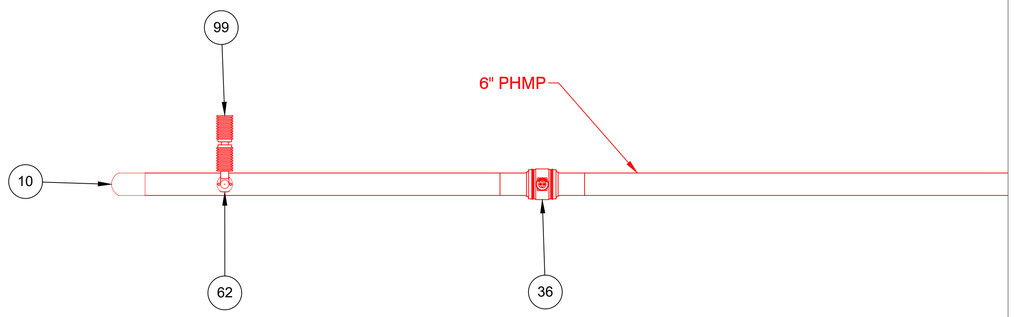
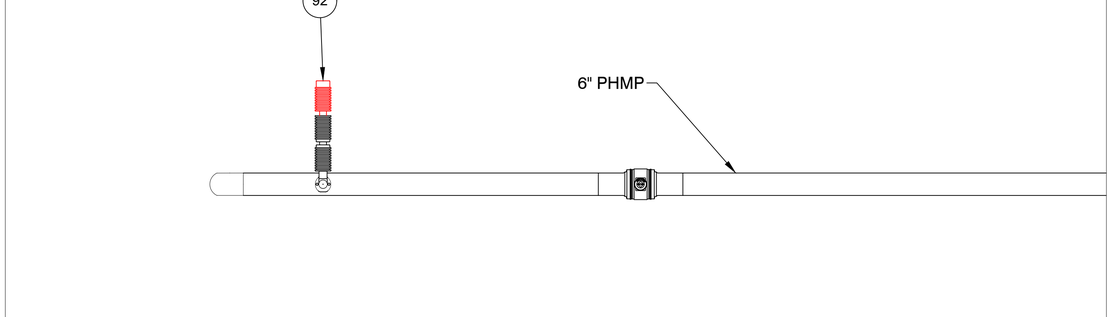
Sep 19, 2024 - 2:02pm

WELLESLEY ST , EAST LONGMEADOW, MA				DETAIL "H" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
10	63078054	542539	CAP,PIPE, 6 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	1	EA
36	14281745	562078	VALVE,BALL, 6 IN IPS, POLYETHYLENE, SDR 11, P100, BUTT WELD, W/ FULL PORT OPENING, BLACK FINISH	1	EA
62	63051389	500870	FITTING,TEE, 6 IN IPS X 2 IN IPS, ELECTROFUSION HIGH VOLUME TAPPING WITH BUTT FUSION OUTLET, HDPE, ASTM F1055, BLACK, GFCP	1	EA
99	63424109	610772	FITTING,COUPLING, REPAIR, LYCOFIT, 2 IN IPS, PLASTIC, SDR 11, CMA 21658101	1	EA



PREPARATORY TIE-IN DETAIL H
NOT TO SCALE

WELLESLEY ST , EAST LONGMEADOW, MA					DETAIL "H" FINAL
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
92	63424023	610763	FITTING,CAP, END, LYCOFIT, 2 IN IPS, PLASTIC, SDR 11, CMA 750830	1	EA



FINAL TIE-IN DETAIL H
NOT TO SCALE

FOR PERMIT ONLY

PE STAMP AND SIGNATURE

THE DDS COMPANIES
153 CORDAVILLE RD
SUITE 210
SOUTHBOROUGH, MA 01772
(781) 385-4644

PROJECT # 71240161

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS

Revision/Status

EVERSOURCE

WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS
PROJECT # 25EG005 / WORK ORDER # 16835296
MA PREPARATORY AND FINAL TIE-IN DETAILS
SCALE: N.T.S. SHEET 20 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-20	B

Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

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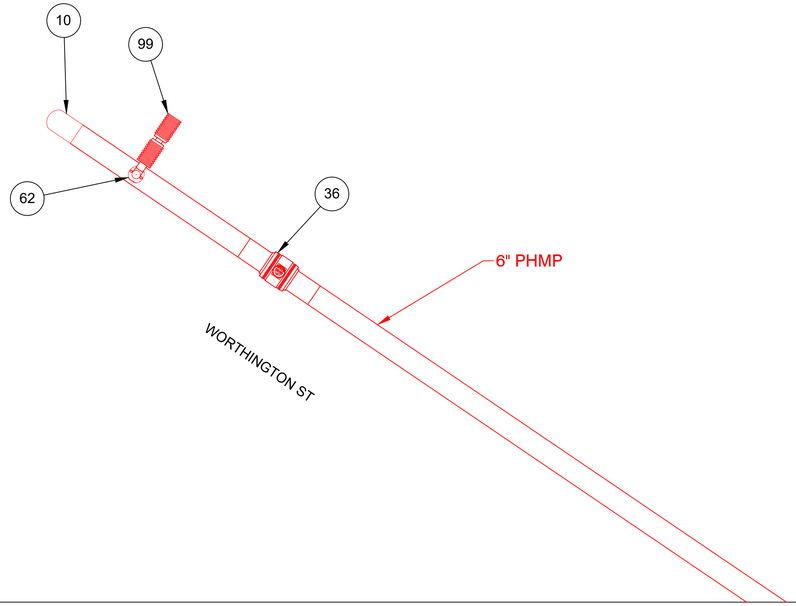
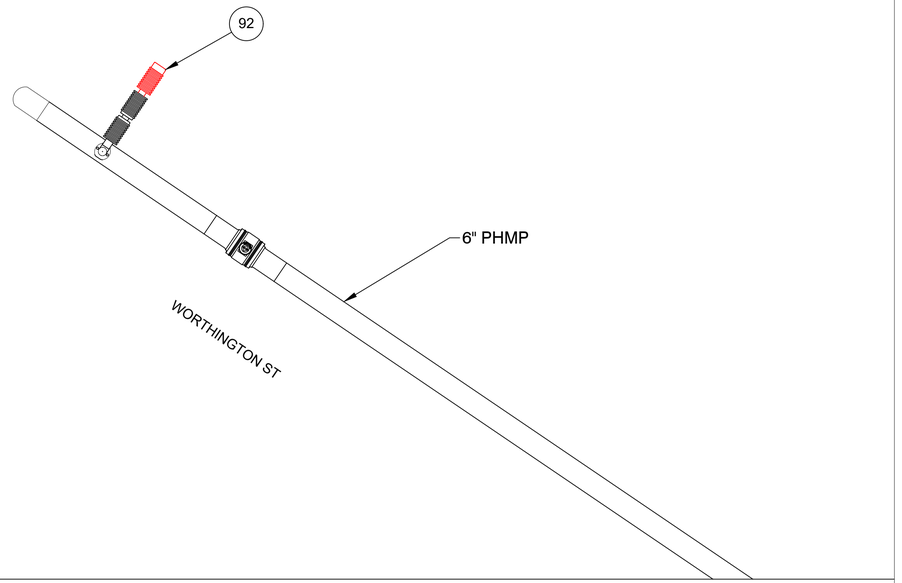
Sep 19, 2024 - 2:02pm

WELLESLEY ST , EAST LONGMEADOW, MA				DETAIL "I" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	MRC Stock Number	Maximo Part Number	Description	Quantity	Units
10	63078054	542539	CAP,PIPE, 6 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	1	EA
36	14281745	562078	VALVE,BALL, 6 IN IPS, POLYETHYLENE, SDR 11, P100, BUTT WELD, W/ FULL PORT OPENING, BLACK FINISH	1	EA
62	63051389	500870	FITTING,TEE, 6 IN IPS X 2 IN IPS, ELECTROFUSION HIGH VOLUME TAPPING WITH BUTT FUSION OUTLET, HDPE, ASTM F1055, BLACK, GFCP	1	EA
99	63424109	610772	FITTING,COUPLING, REPAIR, LYCOFIT, 2 IN IPS, PLASTIC, SDR 11, CMA 21658101	1	EA



PREPARATORY TIE-IN DETAIL I
NOT TO SCALE

WELLESLEY ST , EAST LONGMEADOW, MA				DETAIL "I" FINAL	
REQUIRED BILL OF MATERIALS					
Item Number	MRC Stock Number	Maximo Part Number	Description	Quantity	Units
92	63424023	610763	FITTING,CAP, END, LYCOFIT, 2 IN IPS, PLASTIC, SDR 11, CMA 750830	1	EA



FINAL TIE-IN DETAIL I
NOT TO SCALE

FOR PERMIT ONLY

PE STAMP AND SIGNATURE

THE DDS COMPANIES
153 CORDAVILLE RD
SUITE 210
SOUTHBOROUGH, MA 01772
(781) 385-4644

PROJECT # 71240161

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS

Revision/Status

EVERSOURCE

WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS
PROJECT # 25EG005 / WORK ORDER # 16835296
MA PREPARATORY AND FINAL TIE-IN DETAILS

SCALE: N.T.S. SHEET 21 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-21	B

Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

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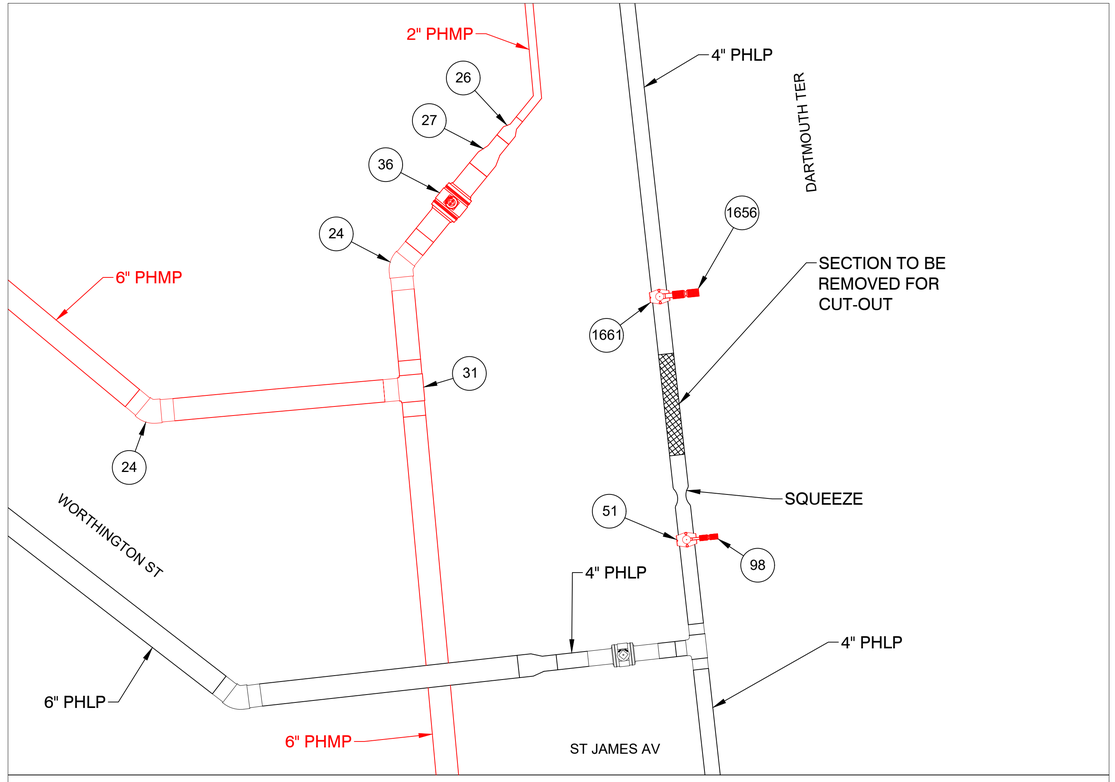
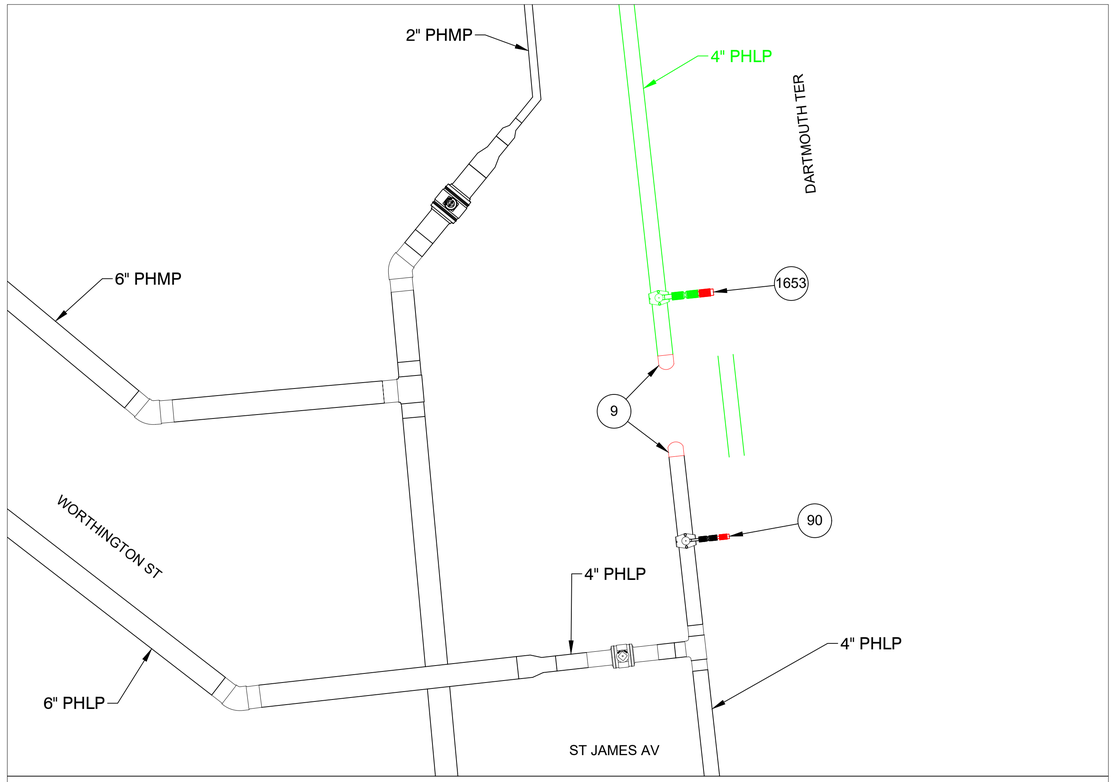
Sep 19, 2024 - 2:02pm

WELLESLEY ST , EAST LONGMEADOW, MA				DETAIL "J" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1656	MCJUREMA-000	620089	FITTING,COUPLING, PIPE, LYCOFIT, 1 IN IPS SDR11, PLASTIC	1	EA
1661	MCJUREMA-000	602894	FITTING,TEE, 4 IN IPS X 1 IN IPS, ELECTROFUSION, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	1	EA
24	63078246	545339	ELBOW,PIPE, 45 DEG, 6 IN SDR 11, BUTT WELD ENDS, POLYETHYLENE, P100	2	EA
26	63078377	555593	REDUCER,PIPE, 4 X 2 IPS, BUTT ENDS, POLYETHYLENE, P100, SDR11	1	EA
27	63078395	555594	REDUCER,PIPE, 6 X 4 IPS, BUTT ENDS, P100, POLYETYLENE, SDR 11	1	EA
31	63078458	560680	TEE,PIPE, 6 IN SDR 11, BUTT ENDS, POLYETHYLENE, P100	1	EA
36	14281745	562078	VALVE,BALL, 6 IN IPS, POLYETHYLENE, SDR 11, P100, BUTT WELD, W/ FULL PORT OPENING, BLACK FINISH	1	EA
51	63051253	500867	TEE, PIPE, NON-BLOWING, ELECTROFUSION TAPPING TEE 4 IN IPS MAIN X 1 /2 IN CTS 0.090 IN THK WALL STAB OUTLET, HDPE, BLACK	1	EA
98	63424035	610764	FITTING,COUPLING, PIPE, LYCOFIT, 1/2 IN CTS X 0.090 IN WALL THK, PLASTIC, CMA 21658100	1	EA



PREPARATORY TIE-IN DETAIL J
NOT TO SCALE

WELLESLEY ST , EAST LONGMEADOW, MA				DETAIL "J" FINAL	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1653	MCJUREMA-000	620808	FITTING,CAP, LYCOFIT, 1 IN IPS SDR 11, PLASTIC, ASTM F1924	1	EA
9	63078039	542538	CAP,PIPE, 4 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	2	EA
90	63424221	610757	FITTING,CAP, END, LYCOFIT, 1/2 IN CTS X 0.090 IN THK WALL, PLASTIC, CMA 750823	1	EA



FINAL TIE-IN DETAIL J
NOT TO SCALE

REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS

Revision/Status

FOR PERMIT ONLY

PE STAMP AND SIGNATURE

THE DDS COMPANIES
153 CORDAVILLE RD
SUITE 210
SOUTHBOROUGH, MA 01772
(781) 385-4644

PROJECT # 71240161

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

EVERSOURCE

WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS
PROJECT # 25EG005 / WORK ORDER # 16835296
MA PREPARATORY AND FINAL TIE-IN DETAILS
SCALE: N.T.S. SHEET 22 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-22	B

Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

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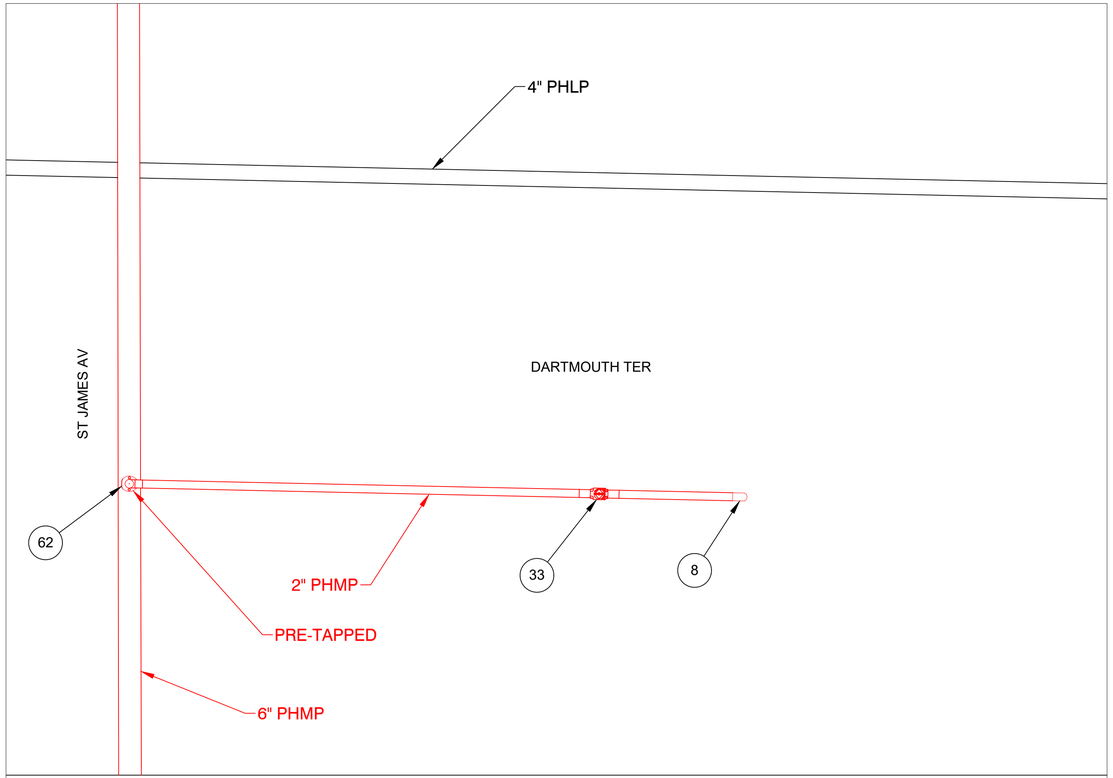
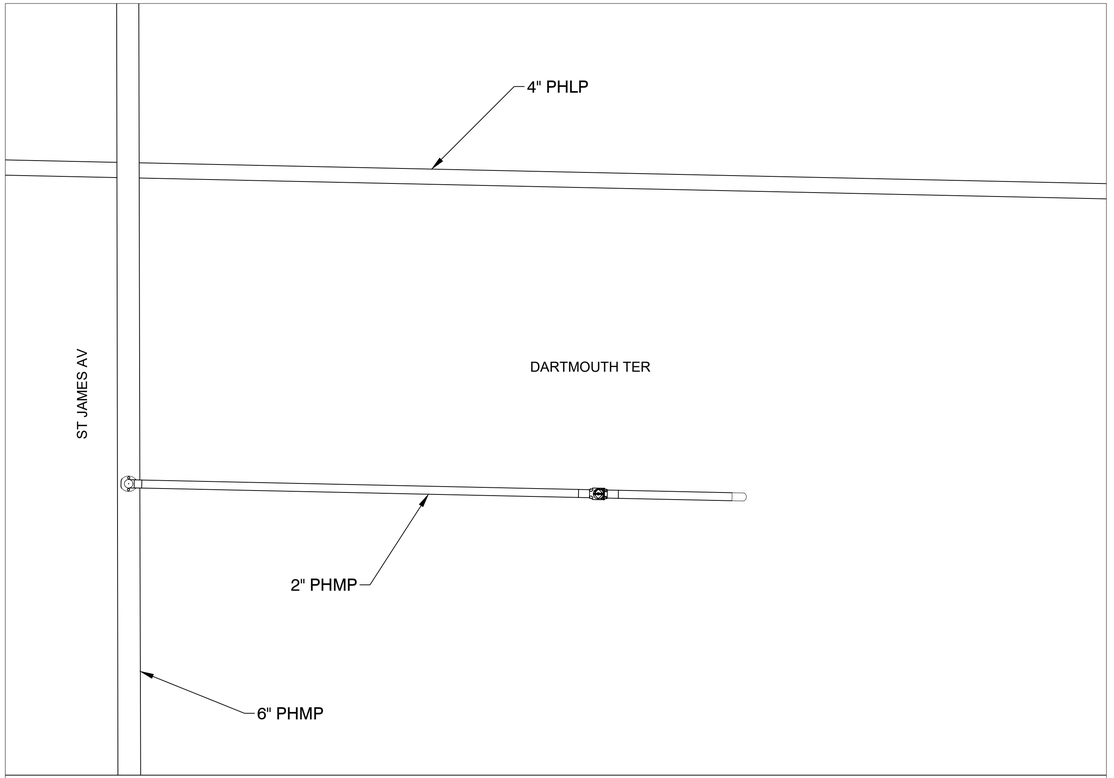
Sep 19, 2024 - 2:02pm

WELLESLEY ST , EAST LONGMEADOW, MA				DETAIL "K" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
33	14281726	562087	VALVE,BALL, 2 IN IPS, POLYETHYLENE, SDR 11, BUTT WELD, W/ FULL PORT OPENING	1	EA
62	63051389	500870	FITTING,TEE, 6 IN IPS X 2 IN IPS, ELECTROFUSION HIGH VOLUME TAPPING WITH BUTT FUSION OUTLET, HDPE, ASTM F1055, BLACK, GFCP	1	EA
8	63078024	542572	CAP,PIPE, 2 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	1	EA



PREPARATORY TIE-IN DETAIL K
NOT TO SCALE



FINAL TIE-IN DETAIL K
NOT TO SCALE

REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS

Revision/Status

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PE STAMP AND SIGNATURE

THE DDS COMPANIES
153 CORDAVILLE RD
SUITE 210
SOUTHBOROUGH, MA 01772
(781) 385-4644

PROJECT # 71240161

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

EVERSOURCE

WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS
PROJECT # 25EG005 / WORK ORDER # 16835296
MA PREPARATORY AND FINAL TIE-IN DETAILS

SCALE: N.T.S. SHEET 23 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-23	B

Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

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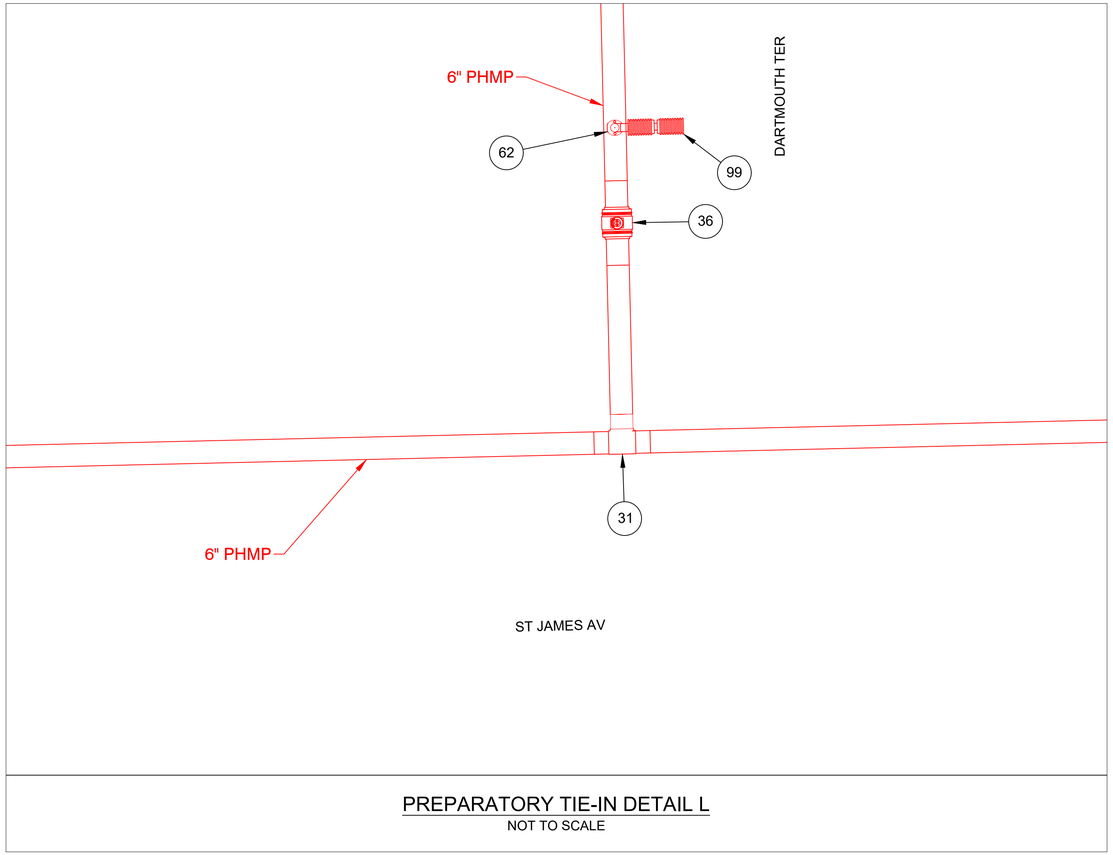
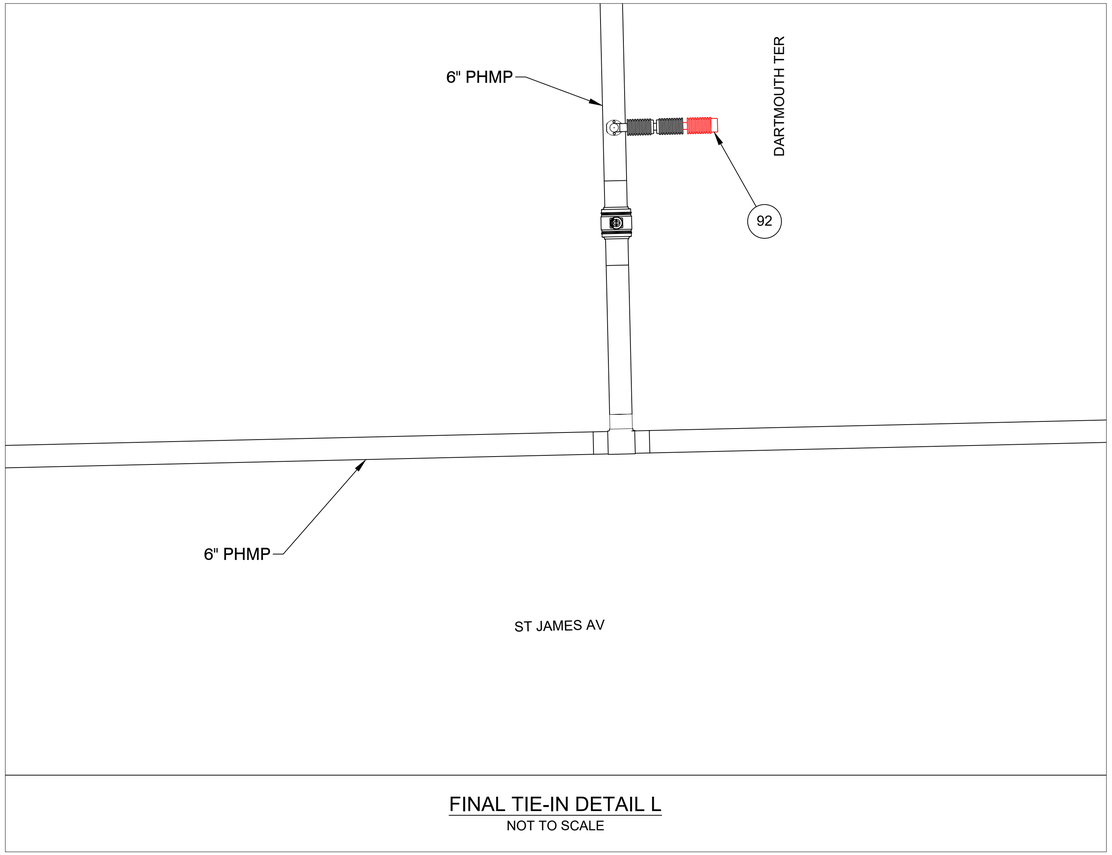
WELLESLEY ST , EAST LONGMEADOW, MA				DETAIL "L" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
31	63078458	560680	TEE,PIPE, 6 IN SDR 11, BUTT ENDS, POLYETHYLENE, P100	1	EA
36	14281745	562078	VALVE,BALL, 6 IN IPS, POLYETHYLENE, SDR 11, P100, BUTT WELD, W/ FULL PORT OPENING, BLACK FINISH	1	EA
62	63051389	500870	FITTING,TEE, 6 IN IPS X 2 IN IPS, ELECTROFUSION HIGH VOLUME TAPPING WITH BUTT FUSION OUTLET, HDPE, ASTM F1055, BLACK, GFCP	1	EA
99	63424109	610772	FITTING,COUPLING, REPAIR, LYCOFIT, 2 IN IPS, PLASTIC, SDR 11, CMA 21658101	1	EA



PREPARATORY TIE-IN DETAIL L
NOT TO SCALE

WELLESLEY ST , EAST LONGMEADOW, MA				DETAIL "L" FINAL	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
92	63424023	610763	FITTING,CAP, END, LYCOFIT, 2 IN IPS, PLASTIC, SDR 11, CMA 750830	1	EA



FINAL TIE-IN DETAIL L
NOT TO SCALE

FOR PERMIT ONLY

PE STAMP AND SIGNATURE

THE DDS COMPANIES
153 CORDAVILLE RD
SUITE 210
SOUTHBOROUGH, MA 01772
(781) 385-4644

PROJECT # 71240161

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS

Revision/Status

EVERSOURCE

WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS
PROJECT # 25EG005 / WORK ORDER # 16835296
MA PREPARATORY AND FINAL TIE-IN DETAILS
SCALE: N.T.S. SHEET 24 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-24	B

Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

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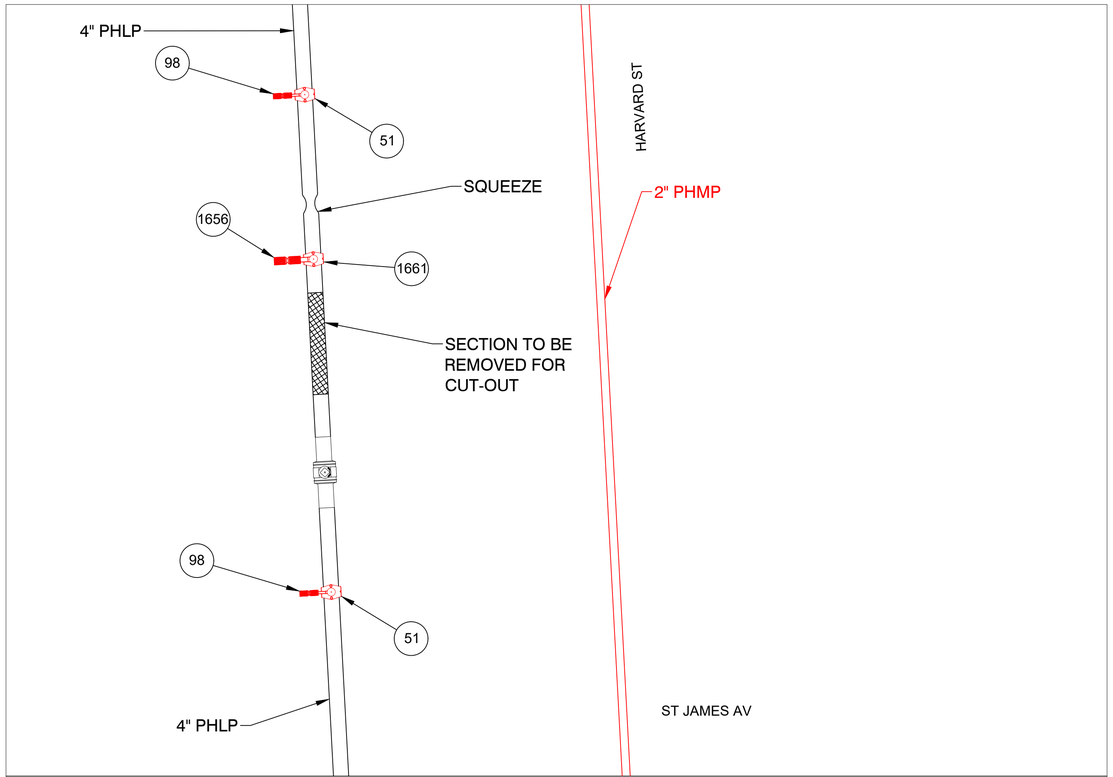
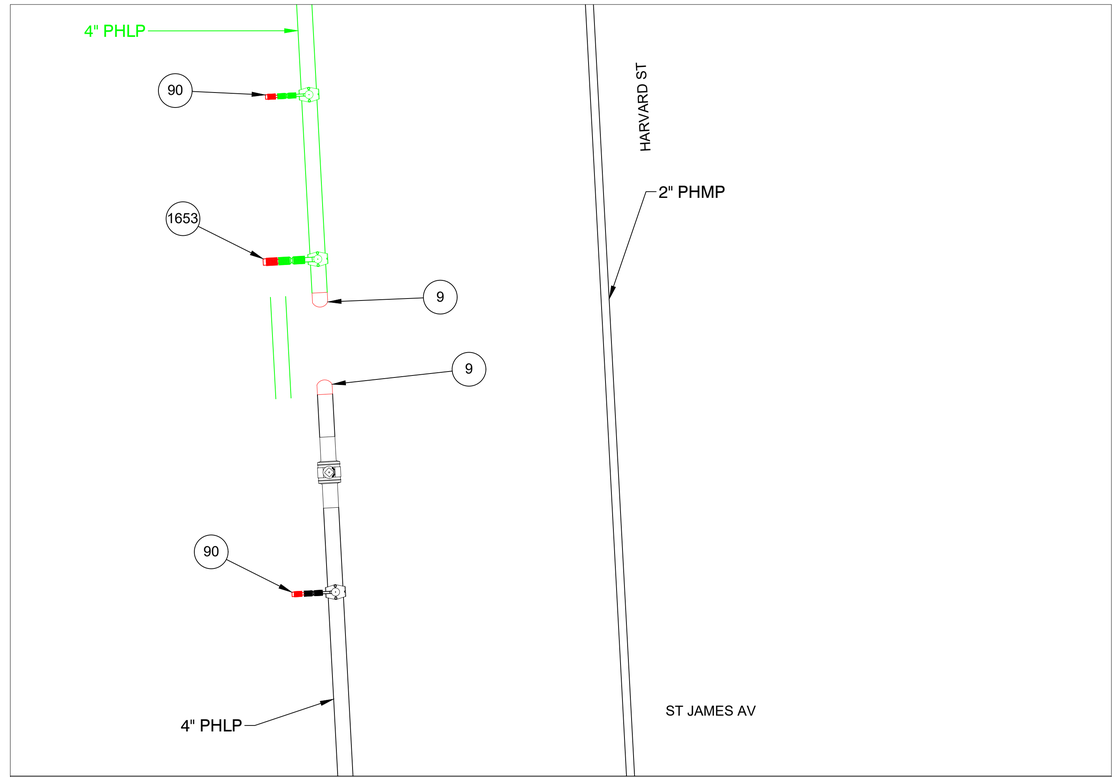
Sep 19, 2024 - 2:03pm

WELLESLEY ST , EAST LONGMEADOW, MA				DETAIL "M" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1656	MCJUREMA-000	620089	FITTING,COUPLING, PIPE, LYCOFIT, 1 IN IPS SDR11, PLASTIC	1	EA
1661	MCJUREMA-000	602894	FITTING,TEE, 4 IN IPS X 1 IN IPS, ELECTROFUSION, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	1	EA
51	63051253	500867	TEE, PIPE, NON-BLOWING, ELECTROFUSION TAPPING TEE 4 IN IPS MAIN X 1 /2 IN CTS 0.090 IN THK WALL STAB OUTLET, HDPE, BLACK	2	EA
98	63424035	610764	FITTING,COUPLING, PIPE, LYCOFIT, 1/2 IN CTS X 0.090 IN WALL THK, PLASTIC, CMA 21658100	2	EA



PREPARATORY TIE-IN DETAIL M
NOT TO SCALE

WELLESLEY ST , EAST LONGMEADOW, MA					DETAIL "M" FINAL
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1653	MCJUREMA-000	620808	FITTING,CAP, LYCOFIT, 1 IN IPS SDR 11, PLASTIC, ASTM F1924	1	EA
9	63078039	542538	CAP,PIPE, 4 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	2	EA
90	63424221	610757	FITTING,CAP, END, LYCOFIT, 1/2 IN CTS X 0.090 IN THK WALL, PLASTIC, CMA 750823	2	EA



FINAL TIE-IN DETAIL M
NOT TO SCALE

FOR PERMIT ONLY

PE STAMP AND SIGNATURE

THE DDS COMPANIES
153 CORDAVILLE RD
SUITE 210
SOUTHBOROUGH, MA 01772
(781) 385-4644

PROJECT # 71240161

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS

Revision/Status

EVERSOURCE

WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS
PROJECT # 25EG005 / WORK ORDER # 16835296
MA PREPARATORY AND FINAL TIE-IN DETAILS

SCALE: N.T.S. SHEET 25 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-25	B

Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

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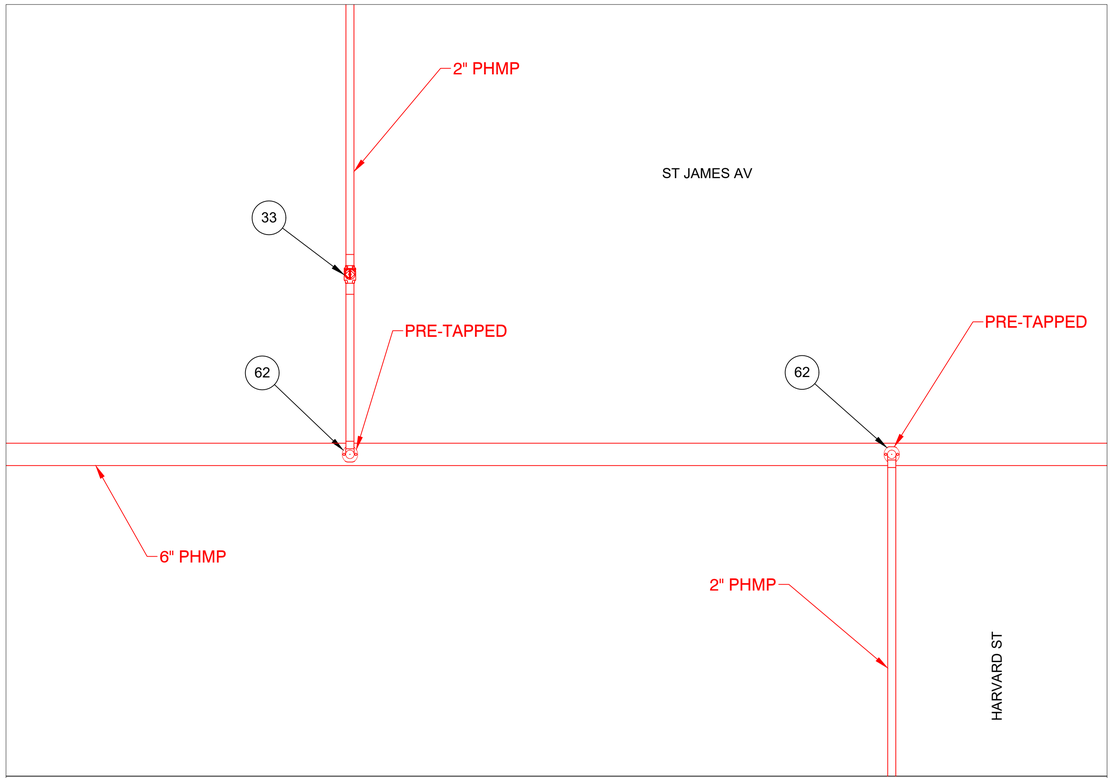
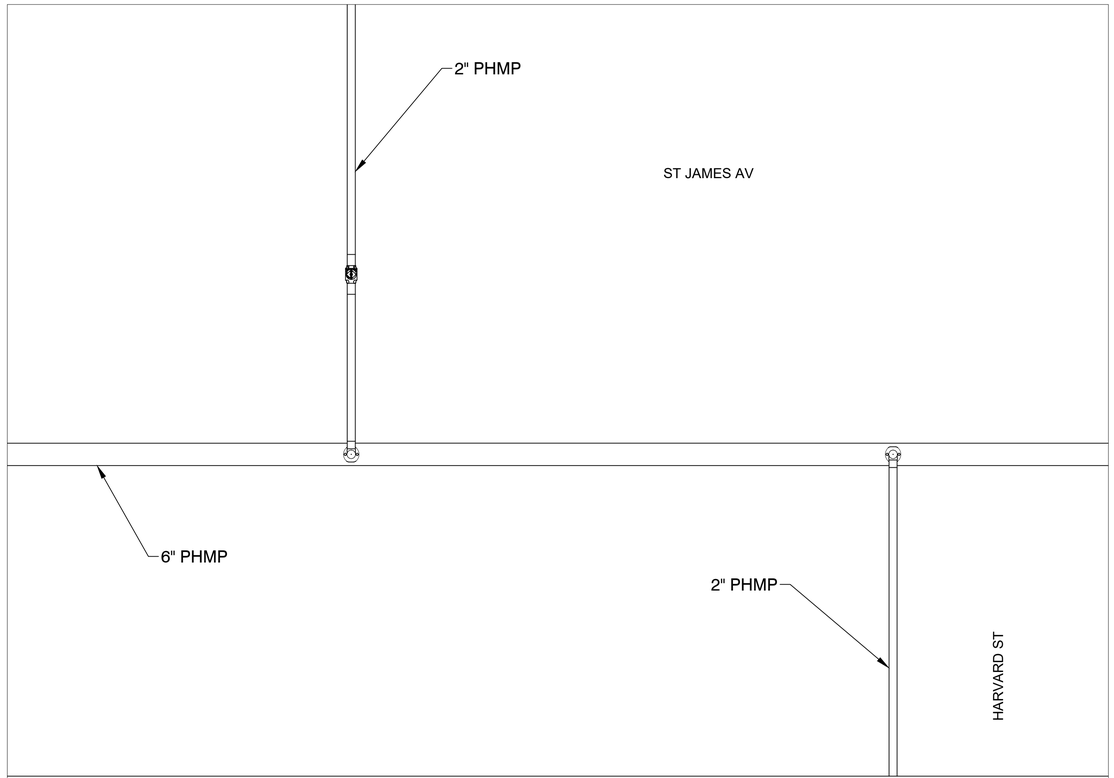
WELLESLEY ST , EAST LONGMEADOW, MA				DETAIL "N" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
33	14281726	562087	VALVE,BALL, 2 IN IPS, POLYETHYLENE, SDR 11, BUTT WELD, W/ FULL PORT OPENING	1	EA
62	63051389	500870	FITTING,TEE, 6 IN IPS X 2 IN IPS, ELECTROFUSION HIGH VOLUME TAPPING WITH BUTT FUSION OUTLET, HDPE, ASTM F1055, BLACK, GFCP	2	EA



PREPARATORY TIE-IN DETAIL N
NOT TO SCALE



FINAL TIE-IN DETAIL N
NOT TO SCALE

REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS

Revision/Status

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PE STAMP AND SIGNATURE

THE DDS COMPANIES
153 CORDAVILLE RD
SUITE 210
SOUTHBOROUGH, MA 01772
(781) 385-4644

PROJECT # 71240161

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

EVERSOURCE

WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS
PROJECT # 25EG005 / WORK ORDER # 16835296
MA PREPARATORY AND FINAL TIE-IN DETAILS
SCALE: N.T.S. SHEET 26 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-26	B

Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

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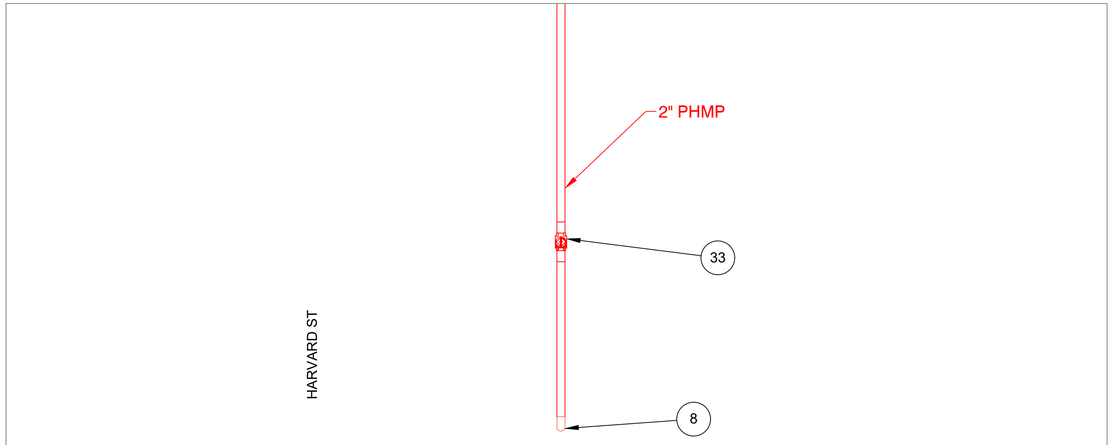
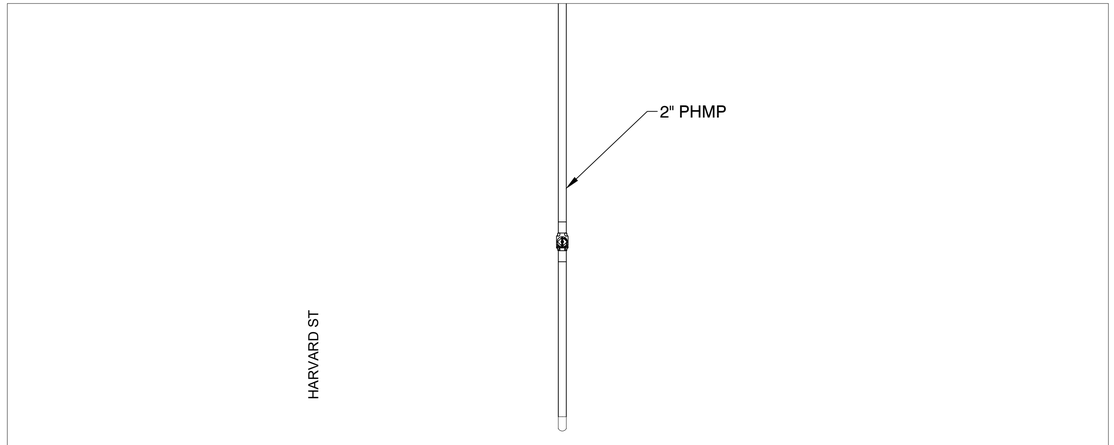
Sep 19, 2024 - 2:03pm

WELLESLEY ST , EAST LONGMEADOW, MA					DETAIL "O" PREPARATORY
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
33	14281726	562087	VALVE,BALL, 2 IN IPS, POLYETHYLENE, SDR 11, BUTT WELD, W/ FULL PORT OPENING	1	EA
8	63078024	542572	CAP,PIPE, 2 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	1	EA



PREPARATORY TIE-IN DETAIL O
NOT TO SCALE



FINAL TIE-IN DETAIL O
NOT TO SCALE

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Sep 19, 2024 - 2:03pm

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PE STAMP AND SIGNATURE

THE DDS COMPANIES
153 CORDAVILLE RD
SUITE 210
SOUTHBOROUGH, MA 01772
(781) 385-4644

PROJECT # 71240161

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS

Revision/Status

EVERSOURCE

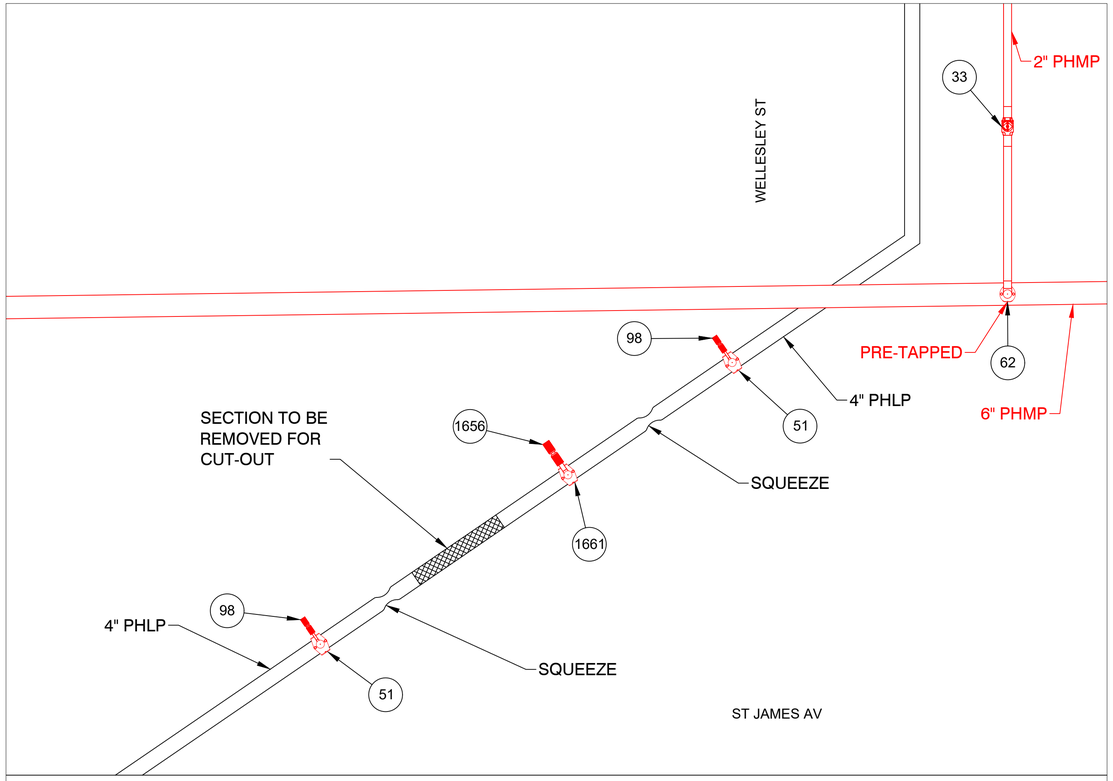
WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS
PROJECT # 25EG005 / WORK ORDER # 16835296
MA PREPARATORY AND FINAL TIE-IN DETAILS

SCALE: N.T.S. SHEET 27 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-27	B

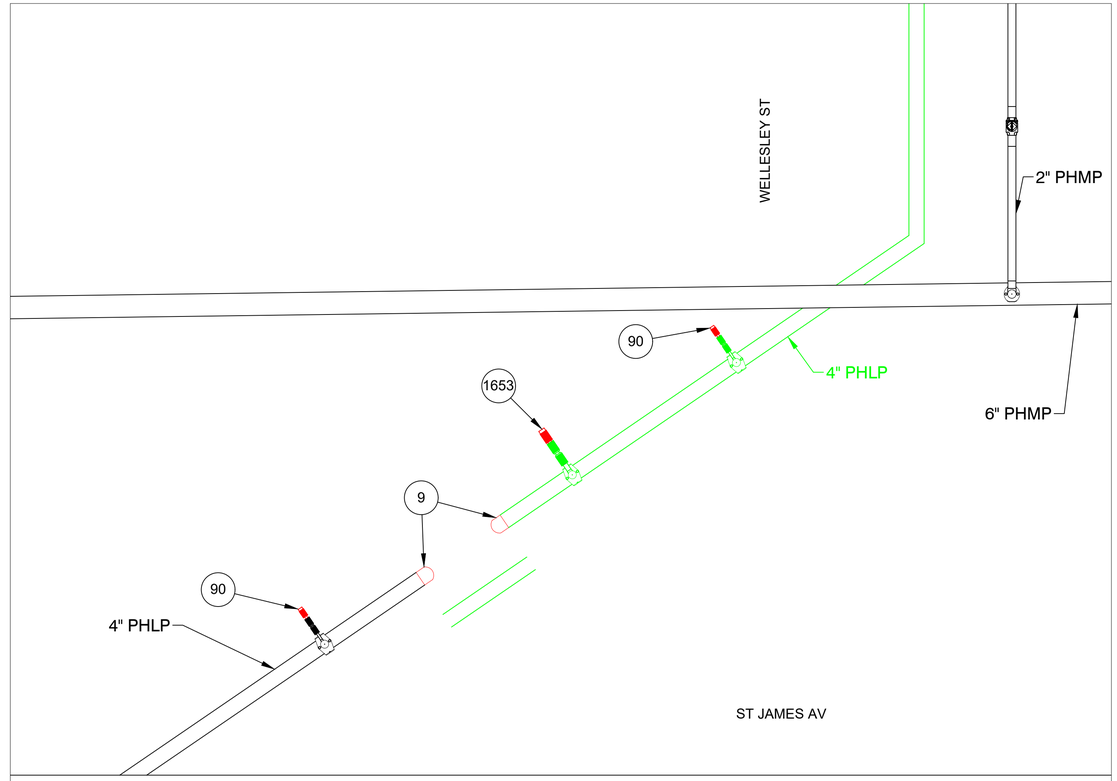
Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

WELLESLEY ST , EAST LONGMEADOW, MA				DETAIL "P" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1656	MCJUREMA-000	620089	FITTING,COUPLING, PIPE, LYCOFIT, 1 IN IPS SDR11, PLASTIC	1	EA
1661	MCJUREMA-000	602894	FITTING,TEE, 4 IN IPS X 1 IN IPS, ELECTROFUSION, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	1	EA
33	14281726	562087	VALVE,BALL, 2 IN IPS, POLYETHYLENE, SDR 11, BUTT WELD, W/ FULL PORT OPENING	1	EA
51	63051253	500867	TEE, PIPE, NON-BLOWING, ELECTROFUSION TAPPING TEE 4 IN IPS MAIN X 1/2 IN CTS 0.090 IN THK WALL STAB OUTLET, HDPE, BLACK	2	EA
62	63051389	500870	FITTING,TEE, 6 IN IPS X 2 IN IPS, ELECTROFUSION HIGH VOLUME TAPPING WITH BUTT FUSION OUTLET, HDPE, ASTM F1055, BLACK, GFCP	1	EA
98	63424035	610764	FITTING,COUPLING, PIPE, LYCOFIT, 1/2 IN CTS X 0.090 IN WALL THK, PLASTIC, CMA 21658100	2	EA



PREPARATORY TIE-IN DETAIL P
NOT TO SCALE

REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1653	MCJUREMA-000	620808	FITTING,CAP, LYCOFIT, 1 IN IPS SDR 11, PLASTIC, ASTM F1924	1	EA
9	63078039	542538	CAP,PIPE, 4 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	2	EA
90	63424221	610757	FITTING,CAP, END, LYCOFIT, 1/2 IN CTS X 0.090 IN THK WALL, PLASTIC, CMA 750823	2	EA



FINAL TIE-IN DETAIL P
NOT TO SCALE

REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS

Revision/Status

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THE DDS COMPANIES
153 CORDAVILLE RD
SUITE 210
SOUTHBOROUGH, MA 01772
(781) 385-4644

PROJECT # 71240161

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

EVERSOURCE

WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS
PROJECT # 25EG005 / WORK ORDER # 16835296
MA PREPARATORY AND FINAL TIE-IN DETAILS

SCALE: N.T.S. SHEET 28 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-28	B

Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

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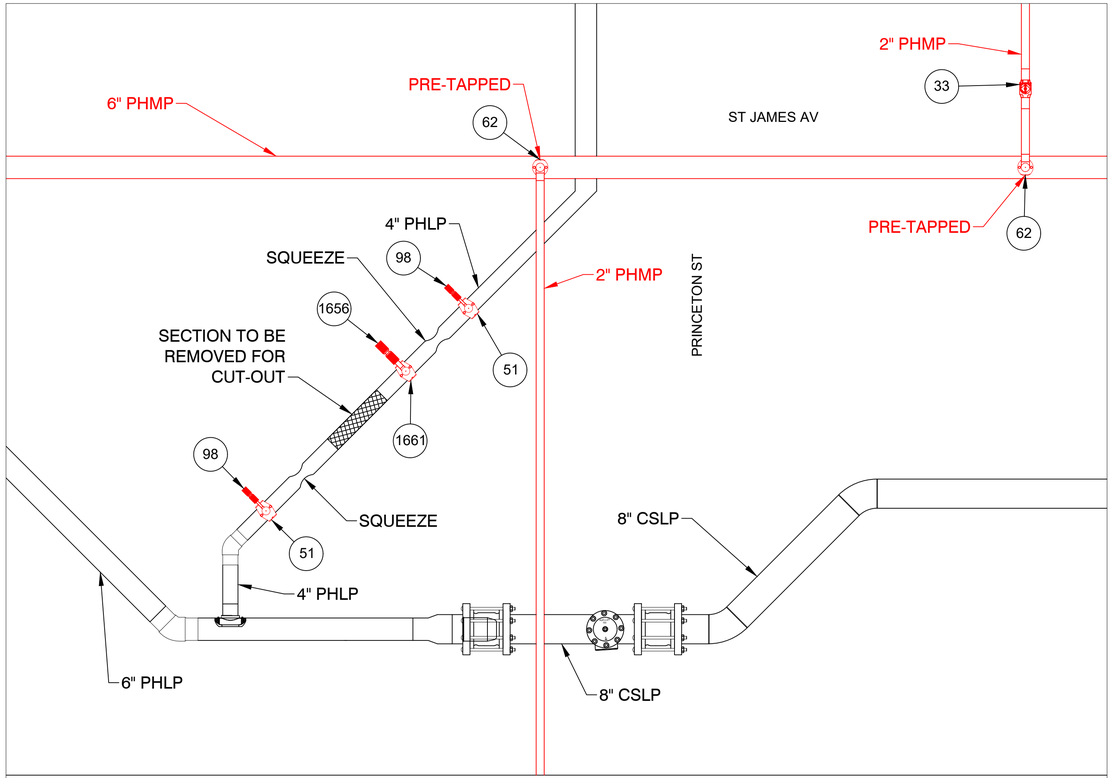
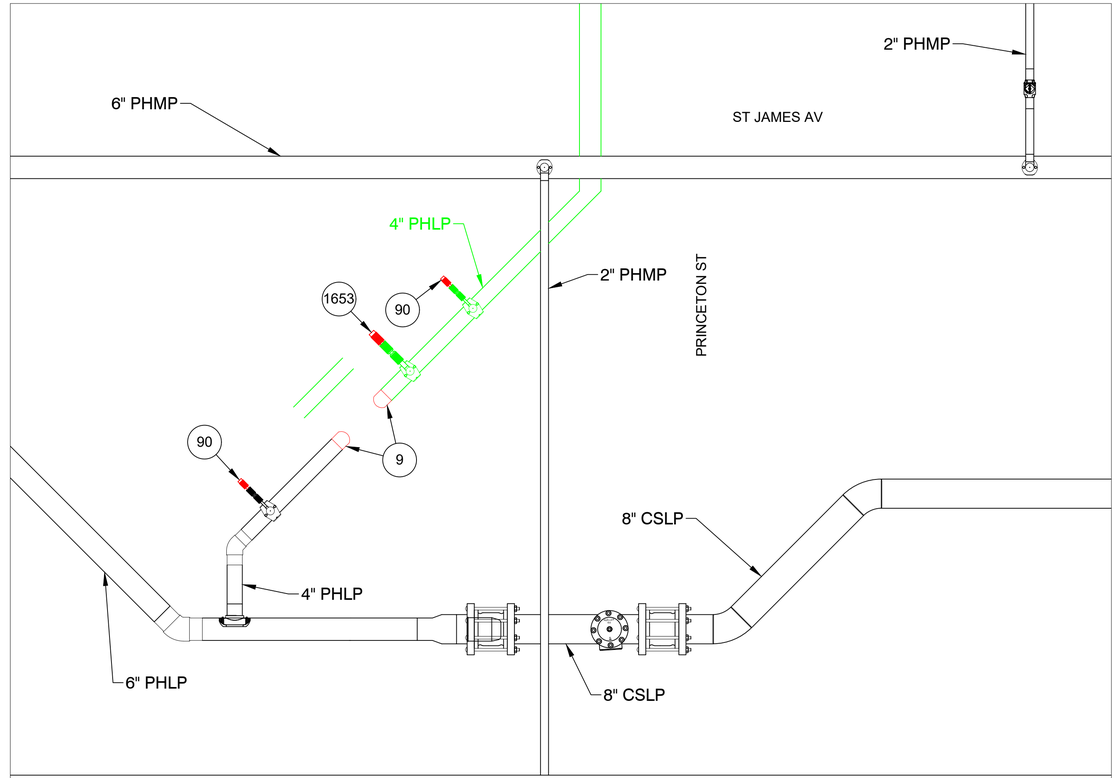
WELLESLEY ST , EAST LONGMEADOW, MA				DETAIL "Q" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1656	MCJUREMA-000	620089	FITTING,COUPLING, PIPE, LYCOFIT, 1 IN IPS SDR11, PLASTIC	1	EA
1661	MCJUREMA-000	602894	FITTING,TEE, 4 IN IPS X 1 IN IPS, ELECTROFUSION, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	1	EA
33	14281726	562087	VALVE,BALL, 2 IN IPS, POLYETHYLENE, SDR 11, BUTT WELD, W/ FULL PORT OPENING	1	EA
51	63051253	500867	TEE, PIPE, NON-BLOWING, ELECTROFUSION TAPPING TEE 4 IN IPS MAIN X 1/2 IN CTS 0.090 IN THK WALL STAB OUTLET, HDPE, BLACK	2	EA
62	63051389	500870	FITTING,TEE, 6 IN IPS X 2 IN IPS, ELECTROFUSION HIGH VOLUME TAPPING WITH BUTT FUSION OUTLET, HDPE, ASTM F1055, BLACK, GFCP	2	EA
98	63424035	610764	FITTING,COUPLING, PIPE, LYCOFIT, 1/2 IN CTS X 0.090 IN WALL THK, PLASTIC, CMA 21658100	2	EA



PREPARATORY TIE-IN DETAIL Q
NOT TO SCALE

WELLESLEY ST , EAST LONGMEADOW, MA				DETAIL "Q" FINAL	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1653	MCJUREMA-000	620808	FITTING,CAP, LYCOFIT, 1 IN IPS SDR 11, PLASTIC, ASTM F1924	1	EA
9	63078039	542538	CAP,PIPE, 4 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	2	EA
90	63424221	610757	FITTING,CAP, END, LYCOFIT, 1/2 IN CTS X 0.090 IN THK WALL, PLASTIC, CMA 750823	2	EA



FINAL TIE-IN DETAIL Q
NOT TO SCALE

REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS

Revision/Status

EVERSOURCE

WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS
PROJECT # 25EG005 / WORK ORDER # 16835296
MA PREPARATORY AND FINAL TIE-IN DETAILS

SCALE: N.T.S. SHEET 29 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-29	B

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THE DDS COMPANIES
153 CORDAVILLE RD
SUITE 210
SOUTHBOROUGH, MA 01772
(781) 385-4644

PROJECT # 71240161

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

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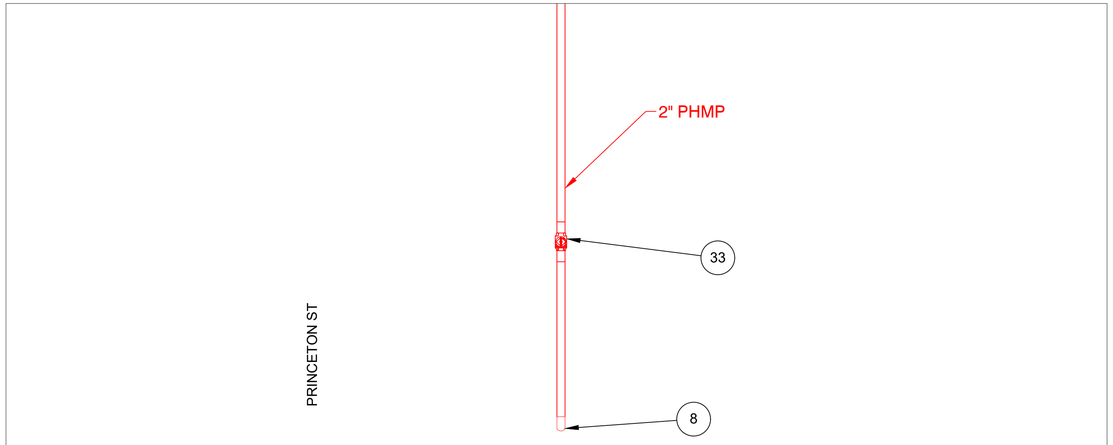
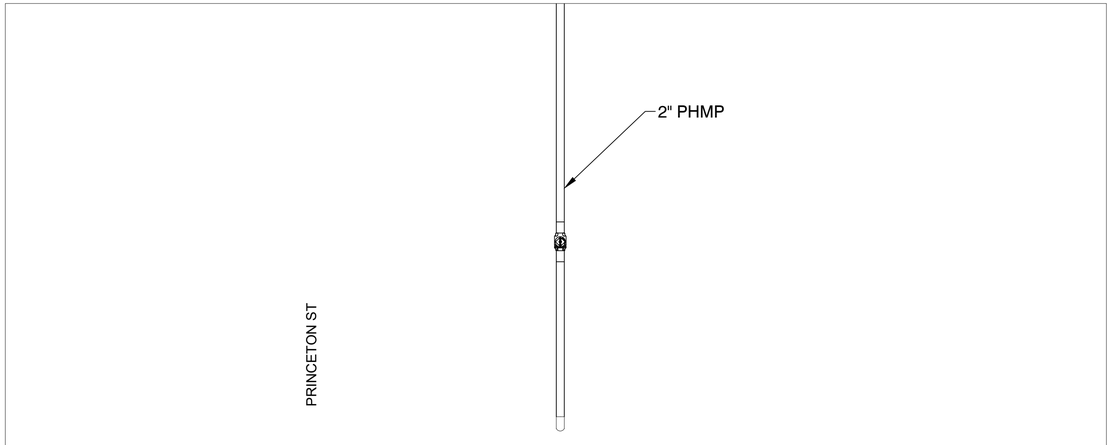
WELLESLEY ST , EAST LONGMEADOW, MA				DETAIL "R" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
33	14281726	562087	VALVE,BALL, 2 IN IPS, POLYETHYLENE, SDR 11, BUTT WELD, W/ FULL PORT OPENING	1	EA
8	63078024	542572	CAP,PIPE, 2 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	1	EA



PREPARATORY TIE-IN DETAIL R
NOT TO SCALE



FINAL TIE-IN DETAIL R
NOT TO SCALE

REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS

Revision/Status

EVERSOURCE

WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS
PROJECT # 25EG005 / WORK ORDER # 16835296
MA PREPARATORY AND FINAL TIE-IN DETAILS

SCALE: N.T.S. SHEET 30 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-30	B

FOR PERMIT ONLY

PE STAMP AND SIGNATURE

THE DDS COMPANIES
153 CORDAVILLE RD
SUITE 210
SOUTHBOROUGH, MA 01772
(781) 385-4644

PROJECT # 71240161

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

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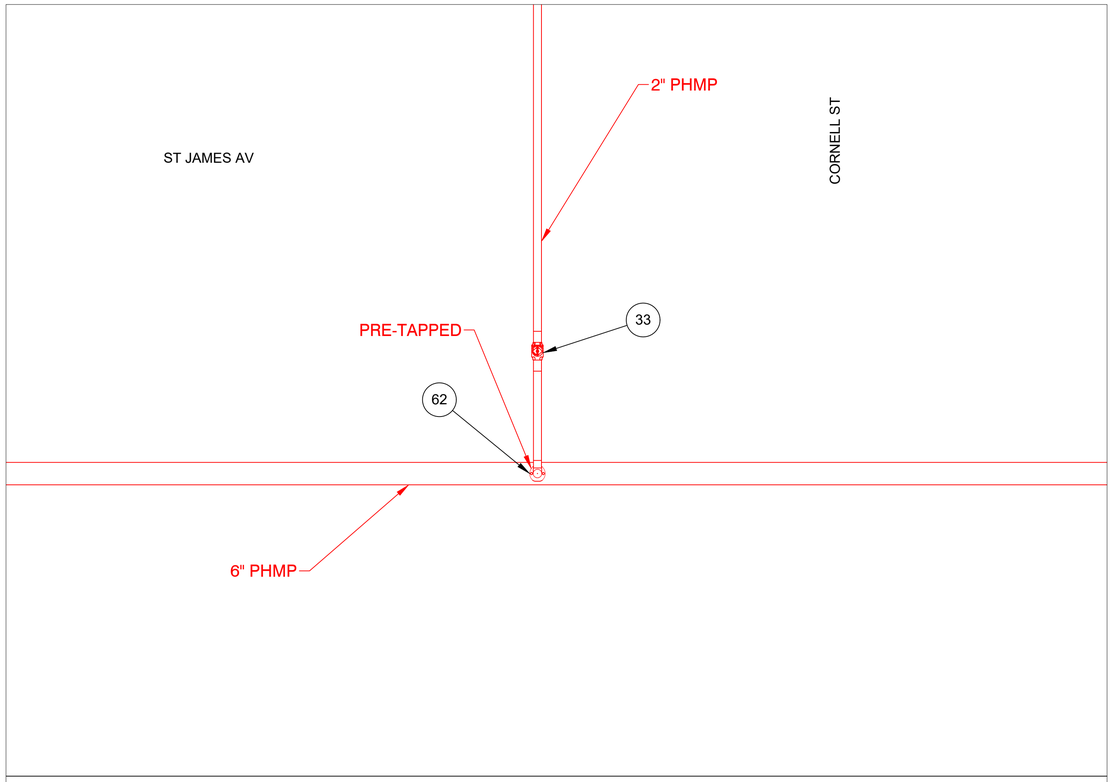
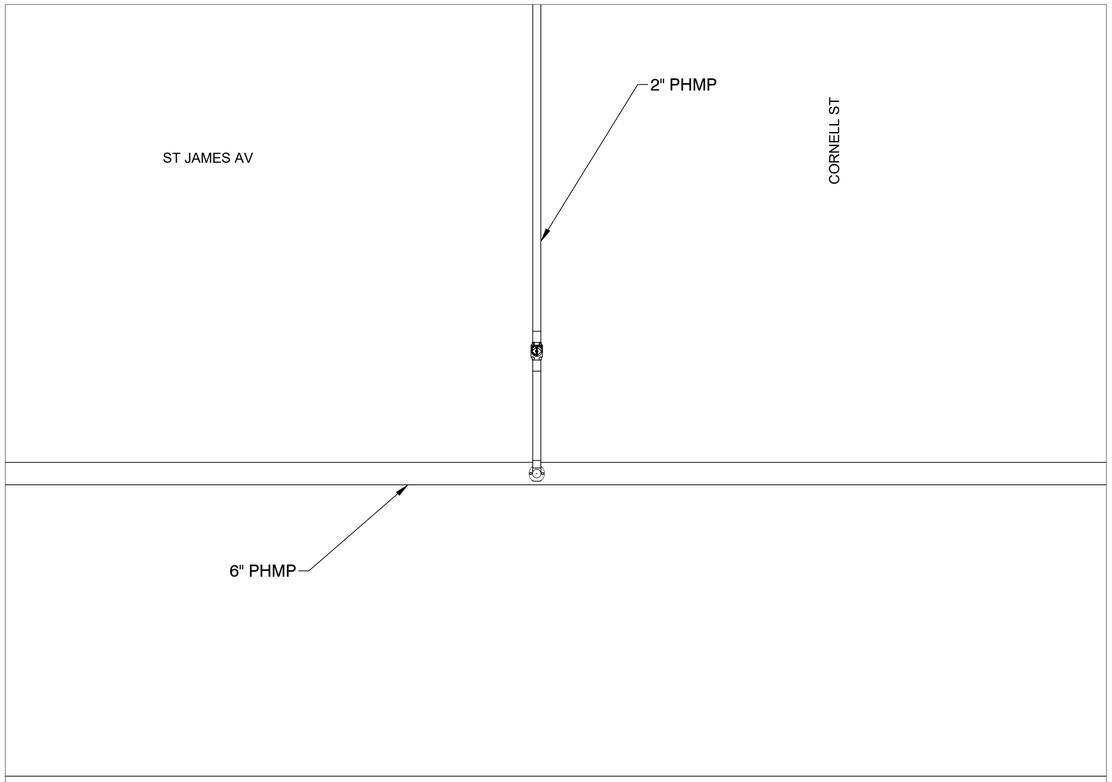
Sep 19, 2024 - 2:03pm

WELLESLEY ST , EAST LONGMEADOW, MA				DETAIL "S" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
33	14281726	562087	VALVE,BALL, 2 IN IPS, POLYETHYLENE, SDR 11, BUTT WELD, W/ FULL PORT OPENING	1	EA
62	63051389	500870	FITTING,TEE, 6 IN IPS X 2 IN IPS, ELECTROFUSION HIGH VOLUME TAPPING WITH BUTT FUSION OUTLET, HDPE, ASTM F1055, BLACK, GFCP	1	EA



PREPARATORY TIE-IN DETAIL S
NOT TO SCALE



FINAL TIE-IN DETAIL S
NOT TO SCALE

REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS

Revision/Status

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153 CORDAVILLE RD
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SOUTHBOROUGH, MA 01772
(781) 385-4644

PROJECT # 71240161

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

EVERSOURCE

WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS
PROJECT # 25EG005 / WORK ORDER # 16835296
MA PREPARATORY AND FINAL TIE-IN DETAILS
SCALE: N.T.S. SHEET 31 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-31	B

Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

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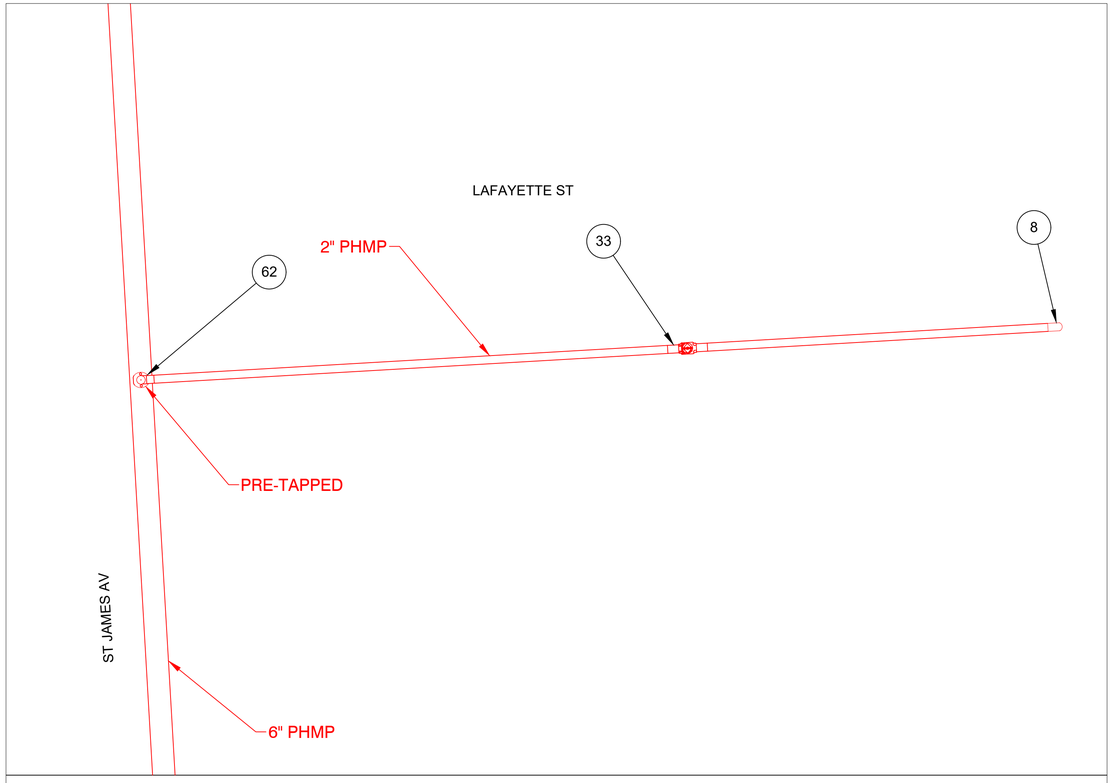
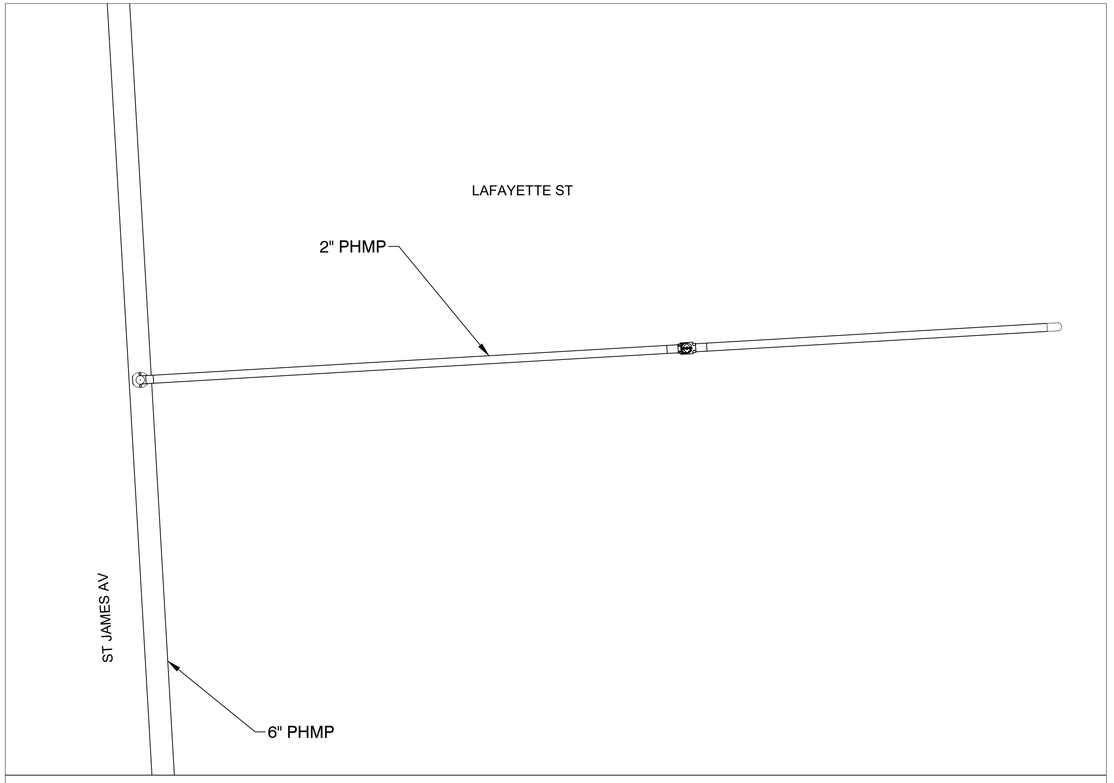
Sep 19, 2024 - 2:03pm

WELLESLEY ST , EAST LONGMEADOW, MA				DETAIL "T" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
33	14281726	562087	VALVE,BALL, 2 IN IPS, POLYETHYLENE, SDR 11, BUTT WELD, W/ FULL PORT OPENING	1	EA
62	63051389	500870	FITTING,TEE, 6 IN IPS X 2 IN IPS, ELECTROFUSION HIGH VOLUME TAPPING WITH BUTT FUSION OUTLET, HDPE, ASTM F1055, BLACK, GFCP	1	EA
8	63078024	542572	CAP,PIPE, 2 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	1	EA



PREPARATORY TIE-IN DETAIL T
NOT TO SCALE



FINAL TIE-IN DETAIL T
NOT TO SCALE

REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS

Revision/Status

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PE STAMP AND SIGNATURE

THE DDS COMPANIES
153 CORDAVILLE RD
SUITE 210
SOUTHBOROUGH, MA 01772
(781) 385-4644

PROJECT # 71240161

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

EVERSOURCE

WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS
PROJECT # 25EG005 / WORK ORDER # 16835296
MA PREPARATORY AND FINAL TIE-IN DETAILS

SCALE: N.T.S. SHEET 32 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-32	B

Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

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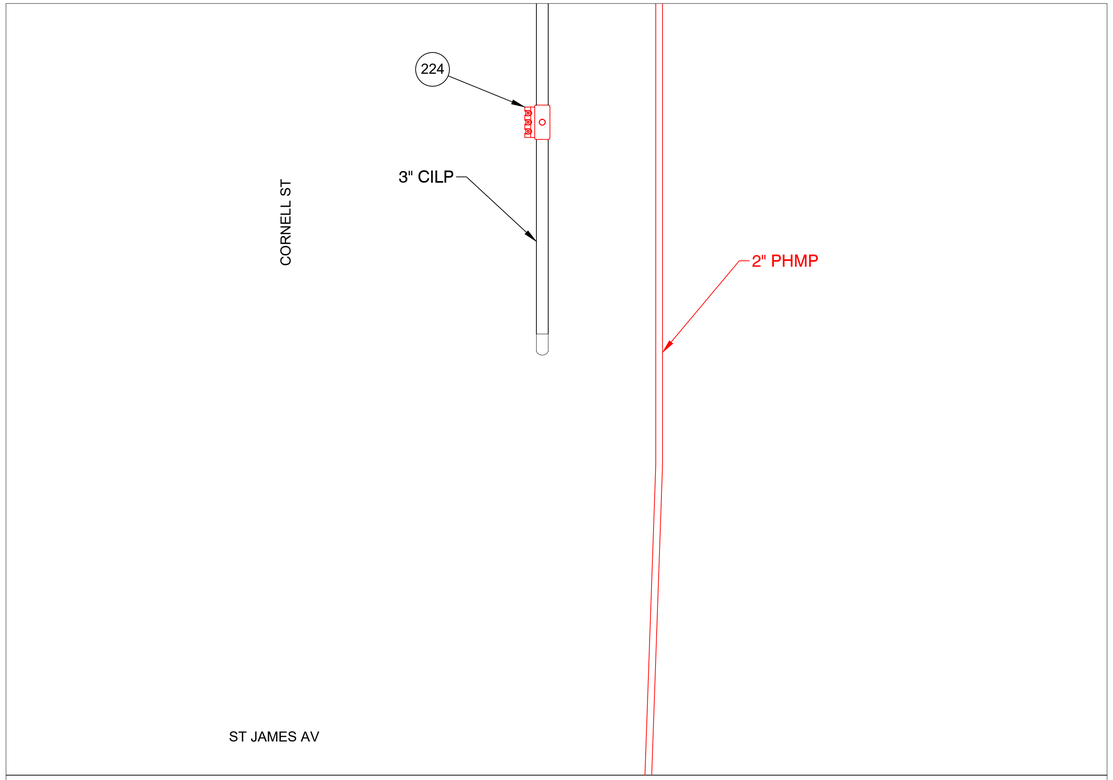
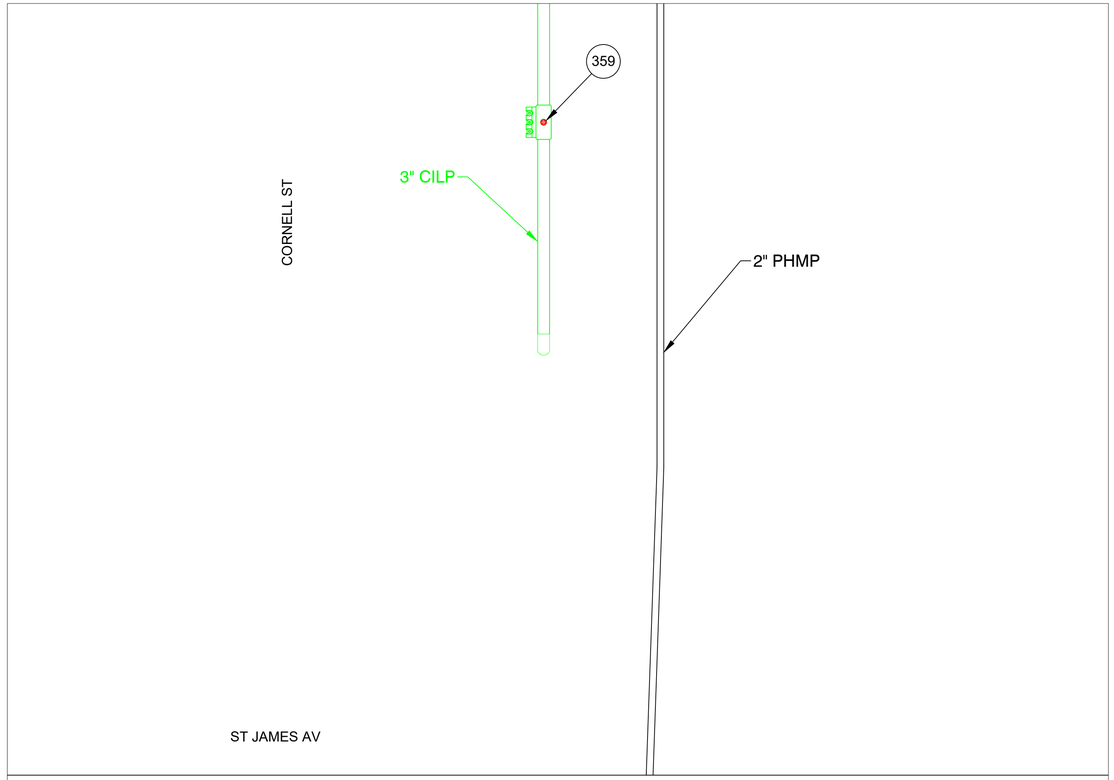
Sep 19, 2024 - 2:03pm

WELLESLEY ST , EAST LONGMEADOW, MA				DETAIL "U" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
224	63462221	578018	CLAMP,PIPE, 3 IN DIA, 6 IN LG, W/ 1-1/4 IN OUTLET, FULL CIRCLE REPAIR, FOR STEEL PIPE, SMITH BLAIR STYLE 234	1	EA



PREPARATORY TIE-IN DETAIL U
NOT TO SCALE

WELLESLEY ST , EAST LONGMEADOW, MA				DETAIL "U" FINAL	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
359	19080285	554877	PLUG,PIPE, SQUARE HEAD, SOLID, 1-1/4 IN, THREADED END, BLACK IRON, ANSI B1.20.1	1	EA



FINAL TIE-IN DETAIL U
NOT TO SCALE

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THE DDS COMPANIES
153 CORDAVILLE RD
SUITE 210
SOUTHBOROUGH, MA 01772
(781) 385-4644

PROJECT # 71240161

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS

Revision/Status

EVERSOURCE

WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS
PROJECT # 25EG005 / WORK ORDER # 16835296
MA PREPARATORY AND FINAL TIE-IN DETAILS

SCALE: N.T.S. SHEET 33 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-33	B

Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

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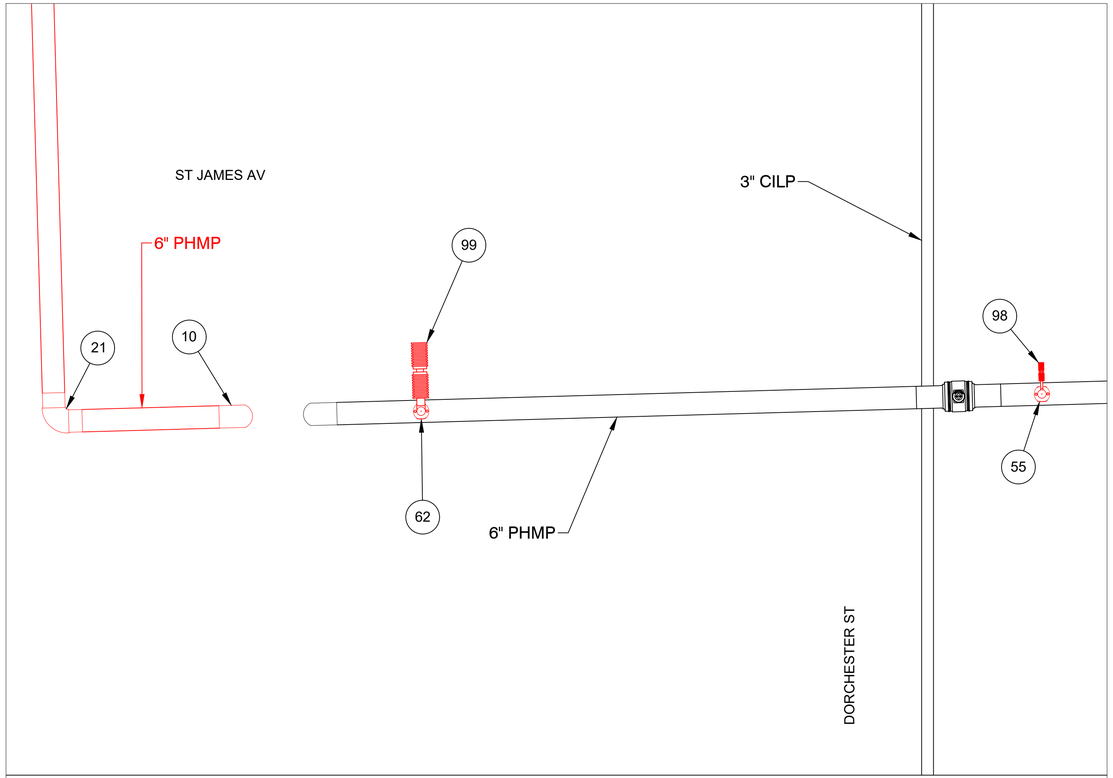
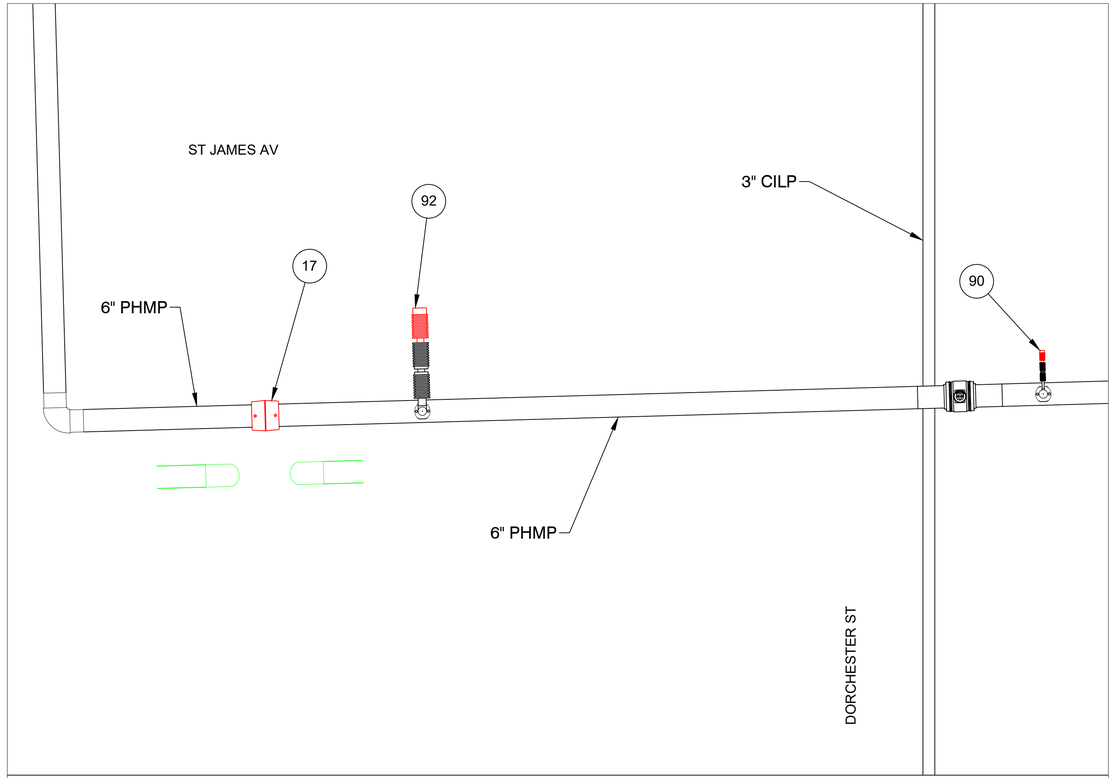
Sep 19, 2024 - 2:03pm

WELLESLEY ST , EAST LONGMEADOW, MA				DETAIL "V" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
10	63078054	542539	CAP,PIPE, 6 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	1	EA
21	63078150	545342	ELBOW,PIPE, 90 DEG, 6 IN SDR 11, BUTT WELD ENDS, POLYETHYLENE, P100	1	EA
55	63051277	500869	TEE,PIPE, NON-BLOWING, 6 X 1/2 IN CTS X 0.090 IN THK WALL SDR 7, ELECTROFUSION X COMPRESSION ENDS, POLYETHYLENE, PE3408	1	EA
62	63051389	500870	FITTING,TEE, 6 IN IPS X 2 IN IPS, ELECTROFUSION HIGH VOLUME TAPPING WITH BUTT FUSION OUTLET, HDPE, ASTM F1055, BLACK, GFCP	1	EA
98	63424035	610764	FITTING,COUPLING, PIPE, LYCOFIT, 1/2 IN CTS X 0.090 IN WALL THK, PLASTIC, CMA 21658100	1	EA
99	63424109	610772	FITTING,COUPLING, REPAIR, LYCOFIT, 2 IN IPS, PLASTIC, SDR 11, CMA 21658101	1	EA



PREPARATORY TIE-IN DETAIL V
NOT TO SCALE

WELLESLEY ST , EAST LONGMEADOW, MA					DETAIL "V" FINAL
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
17	63051039	500856	COUPLING, 6 IN IPS, ELECTROFUSION, HDPE, BLACK, ASTM F1055, GFCP	1	EA
90	63424221	610757	FITTING,CAP, END, LYCOFIT, 1/2 IN CTS X 0.090 IN THK WALL, PLASTIC, CMA 750823	1	EA
92	63424023	610763	FITTING,CAP, END, LYCOFIT, 2 IN IPS, PLASTIC, SDR 11, CMA 750830	1	EA



FINAL TIE-IN DETAIL V
NOT TO SCALE

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THE DDS COMPANIES
153 CORDAVILLE RD
SUITE 210
SOUTHBOROUGH, MA 01772
(781) 385-4644

PROJECT # 71240161

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS

Revision/Status

EVERSOURCE

WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS
PROJECT # 25EG005 / WORK ORDER # 16835296
MA PREPARATORY AND FINAL TIE-IN DETAILS

SCALE: N.T.S. SHEET 34 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-34	B

Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

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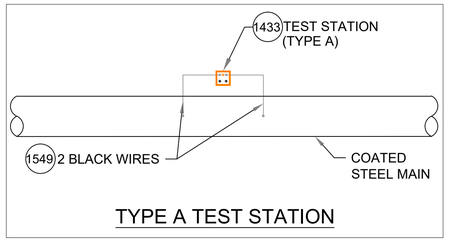
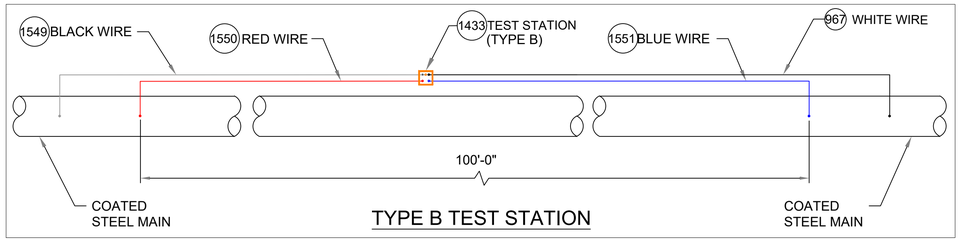


TYPE A TEST STATION

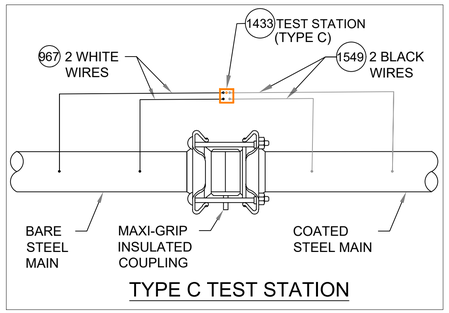
DETAIL CP1
SCALE: 1/2" = 1'-0"



TYPE B TEST STATION

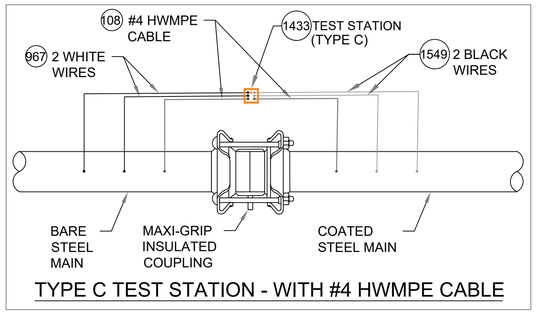
DETAIL CP2
SCALE: 1/2" = 1'-0"

CATHODIC PROTECTION BILL OF MATERIALS MASTER BOM			
Item	**Maximo No.**	**Description**	**Units**
25	500804	WELDER,THERMITE, THERMITE, FOR GAS PIPE, #12 CABLE,HORIZONTAL STEEL PIPE 4 IN AND LARGER DIAMETER	EA
26	500805	WELDER,THERMITE, THERMITE, FOR GAS PIPE, #12 CABLE, HORIZONTAL STEEL PIPE 3/4 - 3-1/2 IN DIAMETER	EA
69	503673	TAPE,WAX, 9 FT LG X 4 IN W, 24 ROLLS/CS, ABOVE AND BELOW GROUND APPLICATIONS, TR-#2A WAX, ALUMINUM	ROLL
95	505818	ANODE,BAG, 2.5 X 2.5 X 4.5 IN, 10 FT LG, 3 LB, MAGNESIUM	EA
101	508567	POWDER, CARTRIDGE, TYPE IS F-33, ALLOY , CAP COLOR CLEAR, 15 GM CHARGE, 20/PAC, FOR STEEL PIPE	BOX
102	508572	PRIMER, 4 GAL/CASE, BROWN, FOR WAX TAPE, APPLICATION TEMP 0 TO 230 F, TEMCOAT 3000	EA
108	513850	CABLE, INSULATED, CATHODIC PROTECTION, 1/C, #4 AWG, 7 STR, 600 V, BLACK, HMWPE, CU, 1000 FT ROLLS	FT
116	517626	CONNECTOR, SPLIT BOLT, 12 SOLID - 10 STRANDED, CU TO CU, HOUSING (COVER) MATE IN 590389,	EA
657	559168	SLEEVE,ELECTRICAL, #14 TO 10 AWG, W/ THERMITE WELDER, FOR CATHODIC PROTECTION	EA
874	577776	ANODE,BAG, 17 LB NET, HIGH POTENTIAL MAGNESIUM, W/ 10 FT #10 AWG TW ORANGE LEAD WIRE, PACKED IN CARDBOARD BOX 42 LB TOTAL WEIGHT	EA
967	578415	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, WHITE, INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
1219	584045	EDI CONCENTRIC COUPON ASSEMBLY INCLUDING UCB-ZIN-LW010, 10 FT OF CABLE	ES
1418	590389	HOUSING, 50 V MAX, 10 AWG MAX, FOR PROTECTING TRACER WIRE SPLICES, USED WITH CONNECTOR IN 517626. 10/BAG	EA
1433	590871	BOX VALVE, TEST STATION, CP TEST #178, 10-1/4 IN DIA. LID, 8-3/8 IN I.D. 16 IN H., ASTM A48 CL 25 CAST IRON, FOR OFF-ROAD USE ONLY	EA
1548	603126	EDI CONCENTRIC COUPON ASSEMBLY INCLUDING UCB-ZIN-LW025, 25 FT OF CABLE	ES
1549	603139	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, BLACK, INSULATED, CU, 500 FT SPOOL,WIRE	ROLL
1550	603140	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, RED, INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
1551	603141	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, BLUE INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
1565	603423	TAPE,WAX, 9 FT LG X 6 IN W X 70-90 MIL THK, 16 ROLLS/CS, ABOVE AND BELOW GROUND APPLICATIONS, TR-#2A WAX, ALUMINUM	ROLL
1573	603769	TRENTON-FILL POR PM-GP,140 FA, FOR FILLING VOIDS & IRREGULAR SPACES PRIOR TO WRAPPING W/WAX TAPE, 0F TO 110F APPLICATION TEMPERATURE, 6 BLOCKS/CASE,	CASE
1576	603894	BOX,CORROSION, 18 IN LG, 5 IN DP, CI, W/ 5 TERMINAL, HOOKS, NON-LOCKING LID, YELLOW, LID MARKED 'CP TEST' - CATHODIC PROTECTION, CP TEST BOX	EA
1845	513849	CABLE, INSULATED, CATHODIC PROTECTION, 1/C, #8 AWG, 600 V	EA
1846	584942	WIRE,ELECTRICAL, CATHODIC PROTECTION CABLE, #6, HMWPE INSULATED	EA
1847	583055	ENCAPSULATION KIT, 2 PART, RESIN EPOXY, MOLD BODY, THRU 1 KV, INSULATES AND MOISTURE SEALS WYE CONNECTIONS	EA



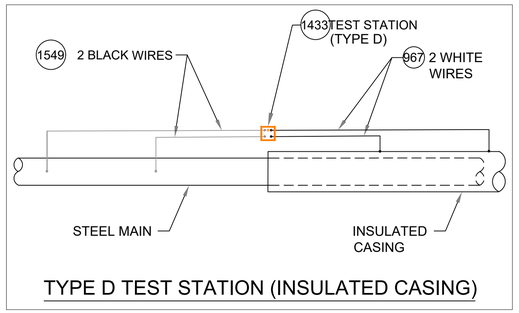
TYPE C TEST STATION

DETAIL CP3
SCALE: 1/2" = 1'-0"



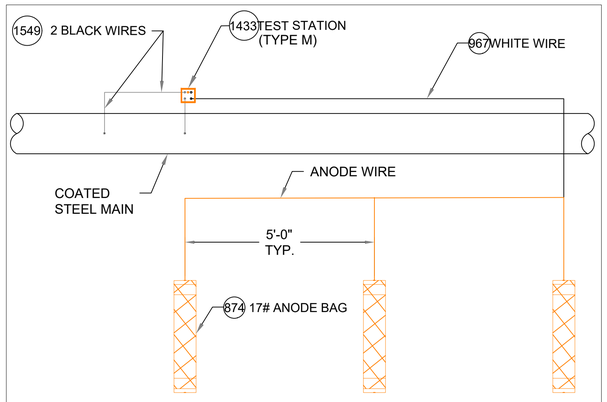
TYPE C TEST STATION - WITH #4 HWMPE CABLE

DETAIL CP4
SCALE: 1/2" = 1'-0"



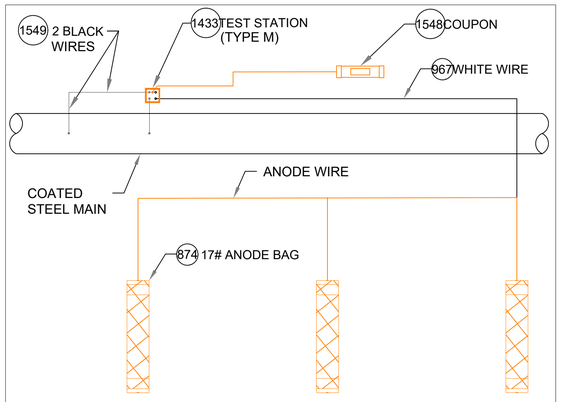
TYPE D TEST STATION (INSULATED CASING)

DETAIL CP5
SCALE: 1/2" = 1'-0"



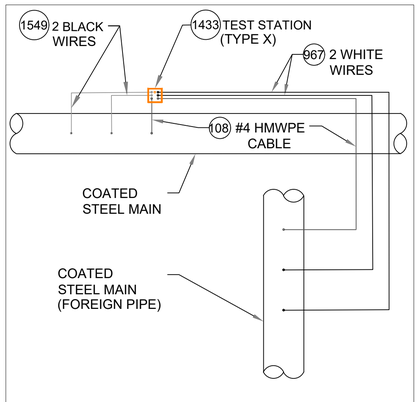
TYPE M TEST STATION (WITH ANODES)

DETAIL CP6
SCALE: 1/2" = 1'-0"



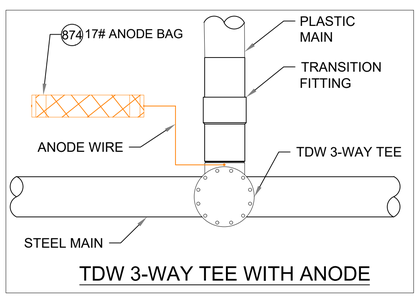
TYPE M TEST STATION (WITH COUPON AND ANODES)

DETAIL CP7
SCALE: 1/2" = 1'-0"



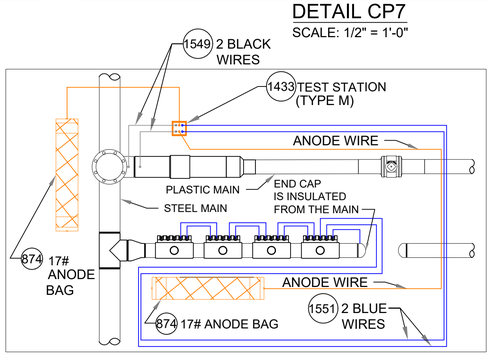
TYPE X TEST STATION

DETAIL CP8
SCALE: 1/2" = 1'-0"

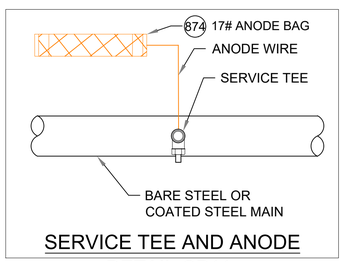


TDW 3-WAY TEE WITH ANODE

DETAIL CP9
SCALE: 1/2" = 1'-0"



DETAIL CP10
SCALE: 1/2" = 1'-0"



SERVICE TEE AND ANODE

DETAIL CP11
SCALE: 1/2" = 1'-0"

NOTES:

1. ALL TEST STATION BOXES SHOULD BE INSTALLED IN A SAFE LOCATION WHERE ONE INDIVIDUAL CAN SAFELY OPEN AND ACCESS THE TEST WIRES. ALL TEST WIRES INSIDE THE BOX SHOULD HAVE ENOUGH SLACK ON THE WIRES SO THEY CAN EXTEND A MINIMUM OF 12" ABOVE GRADE.
2. FOR TYPE A TEST STATIONS, THE TWO WIRES SHOULD BE THERMITE WELDED TO THE COATED STEEL MAIN AND BE THE SAME COLOR. (COUPONS COULD BE ADDED TO THE TEST STATION TYPE).
3. FOR TYPE B TEST STATIONS, EACH OF THE FOUR WIRES SHOULD BE A DIFFERENT COLOR AND DOCUMENTED
4. FOR TYPE C TEST STATIONS, THE WIRES SHOULD BE THE SAME COLOR ON EACH SIDE OF THE INSULATED COUPLING. (ANODES AND/OR COUPONS COULD BE ADDED TO THIS TEST STATION TYPE).
5. FOR TYPE D TEST STATIONS WHICH ARE AT A CASING, WHITE WIRES ARE NORMALLY INSTALLED ON THE STEEL CASING AND BLACK WIRES ARE INSTALLED ON THE CARRIER PIPE. (ANODES AND/OR COUPONS COULD BE ADDED TO THIS TEST STATION TYPE).
6. FOR TYPE M TEST STATIONS, THE TWO WIRES THERMITE WELDED TO THE CARRIER PIPE SHOULD BE THE SAME COLOR WIRE. THERE IS ALSO MAGNESIUM ANODE(S) WIRE(S) LOCATED INSIDE THE TEST STATION BOX.THE WIRE COLOR (TYPICALLY ORANGE) FOR THE ANODES. IF THE ANODE WIRES ARE SPLICED TO A COMMON ANODE HEADER CABLE, THE ANODE HEADER CABLE SHOULD BE A (WHITE OR RED) DIFFERENT COLOR WIRE THAN THE WIRE THAT WAS THERMITE WELDED TO THE CARRIER PIPE. AT A TYPE M TEST STATION, NO MAGNESIUM ANODES SHOULD BE DIRECTLY THERMITE WELDED TO THE CARRIER PIPE OR IN CONTACT WITH THE CARRIER PIPE. THE ANODE HEADER WIRE OR INDIVIDUAL ANODE WIRES SHOULD TERMINATE INSIDE THE TEST STATION BOX. ANODES SHOULD BE SPACED A MINIMUM OF 5' ON CENTER FROM EACH OTHER AND A MINIMUM OF 12" AWAY AND BELOW THE BOTTOM OF THE STEEL MAIN.
7. IF COUPONS ARE TO BE INSTALLED , FIRST REMOVE THE PROTECTIVE LABEL COVERING THE STEEL COUPON AND THE RED STICKERS COVERING EACH SENSING PORT. CLEAN THE ENTIRE STEEL COUPON SURFACE WITH ALCOHOL TO REMOVE THE CORROSION INHIBITOR .PLACE THE COUPON ASSEMBLY APPROXIMATELY 12" FROM THE GAS MAIN BEING MONITORED WITH THE SENSING PORTS FACING THE GAS MAIN. THE COUPON ASSEMBLY SHOULD BE LOCATED ADJACENT TO THE BOTTOM PORTION OF THE GAS MAIN, ANYWHERE BETWEEN 3 O'CLOCK AND 9 O'CLOCK. THE SOIL BETWEEN THE COUPON AND THE MAIN SHOULD BE WELL COMPACTED AND CONTAIN NO ROCKS LARGER THAN A CENTIMETER IN DIAMETER OR FOREIGN MATERIAL.
8. ONE (1) 3# ANODE (MINIMUM) SHALL BE INSTALLED TO PROTECT THE CLAMPS ON EACH 10-FOOT SPAN OF PIPE. EACH 10-FOOT SPAN OF PIPE MUST BE A CONTINUOUS SECTION OF STEEL. CLAMPS ON NON-CONTINUOUS SECTIONS OF STEEL EVEN IF THEY ARE WITHIN 10 FEET OF EACH CANNOT BE PROTECTED BY THE SAME ANODE.
9. REFER TO CONSTRUCTION STANDARD CS-500 SECTION IV.G WHICH PROVIDES GENERAL GUIDANCE REGARDING "WRAPPING" FOR CORROSION PROTECTION. CS-500 SECTION IV.G.5. DESCRIBES THE BASIC STEPS REQUIRED TO WRAP LEAK REPAIR CLAMPS.

NOTE: DETAILS CP-9 AND CP-11 ARE FOR NEW STEEL FITTINGS THAT ARE NOT ELECTRICALLY ISOLATED FROM EXISTING UNPROTECTED STEEL. THESE ANODES ARE DIRECTLY CONNECTED TO THE NEW STEEL FITTING AND THE ANODE MUST BE A MINIMUM OF 2 FEET FROM ANY NEW ISOLATED FITTINGS OR ASSOCIATED ANODES.

REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS

Revision/Status

EVERSOURCE

WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS
PROJECT # 25EG005 / WORK ORDER # 16835296
MA CORROSION DETAILS

SCALE: NTS SHEET 35 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-35	B

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

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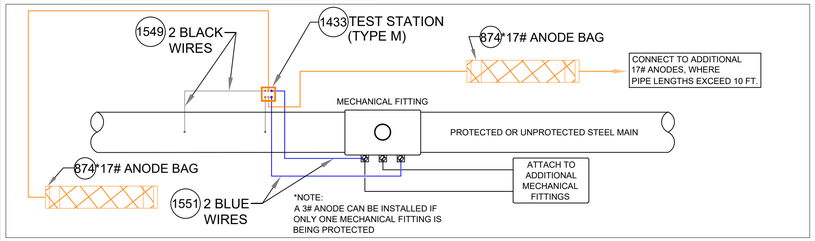
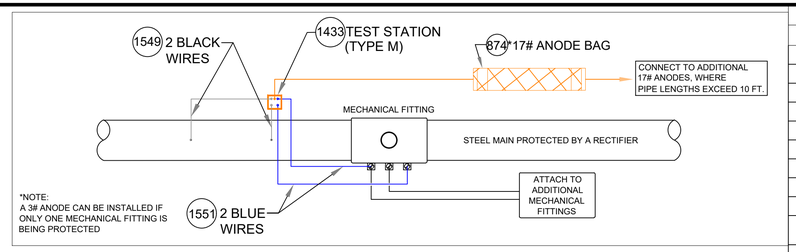


TEST STATION CONNECTION DETAILS FOR MECHANICAL FITTINGS INSTALLED ON A STEEL MAIN

DETAIL CP12

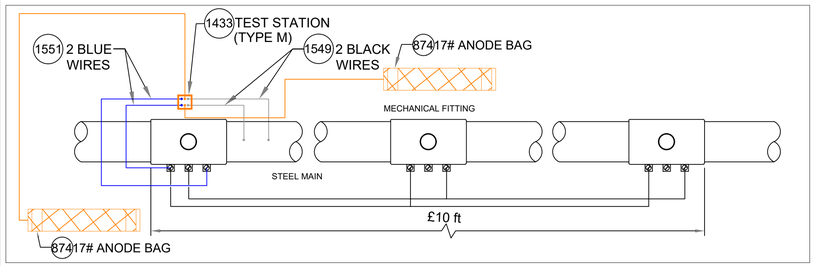
SCALE: 1/2" = 1'-0"



TEST STATION CONNECTION DETAILS FOR MECHANICAL FITTINGS INSTALLED ON STEEL MAIN PROTECTED BY A RECTIFIER

DETAIL CP13

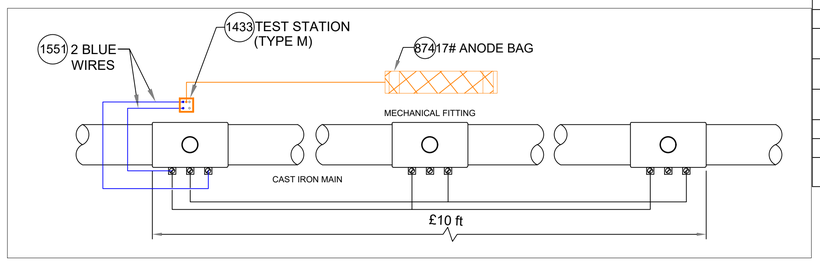
SCALE: 1/2" = 1'-0"



ANODE INSTALLATION FOR MULTIPLE MECHANICAL FITTINGS INSTALLED ON A ELECTRICALLY CONTINUOUS SECTION OF STEEL MAIN

DETAIL CP14

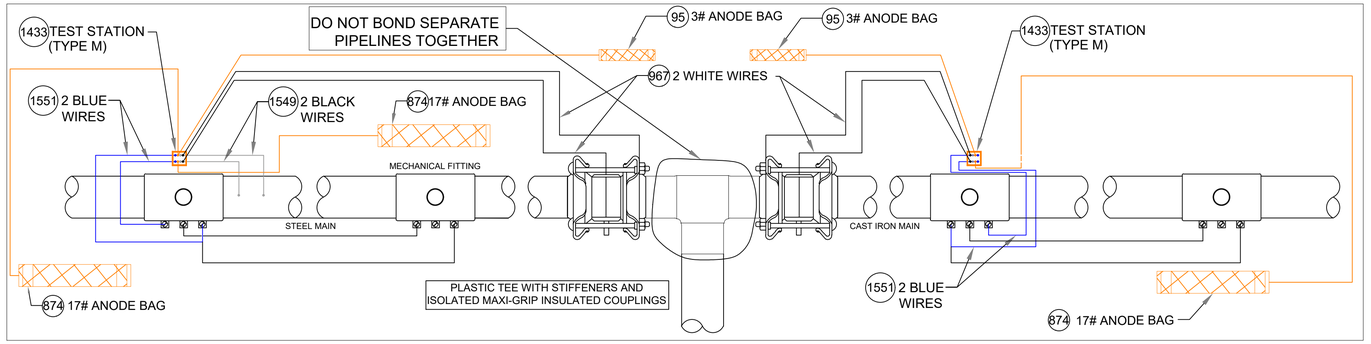
SCALE: 1/2" = 1'-0"



ANODE INSTALLATION FOR MULTIPLE MECHANICAL FITTINGS INSTALLED ON A CAST IRON MAIN

DETAIL CP15

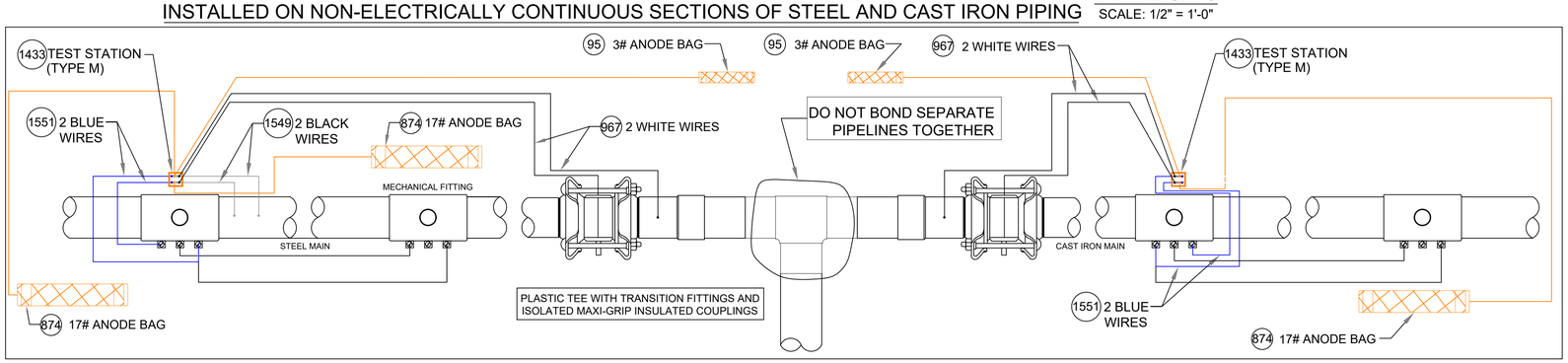
SCALE: 1/2" = 1'-0"



ANODE INSTALLATION FOR MULTIPLE MECHANICAL FITTINGS INSTALLED ON NON-ELECTRICALLY CONTINUOUS SECTIONS OF STEEL AND CAST IRON PIPING

DETAIL CP16

SCALE: 1/2" = 1'-0"



ANODE INSTALLATION FOR MULTIPLE MECHANICAL FITTINGS INSTALLED ON NON-ELECTRICALLY CONTINUOUS SECTIONS OF STEEL AND CAST IRON PIPING

DETAIL CP16A

SCALE: 1/2" = 1'-0"

CATHODIC PROTECTION BILL OF MATERIALS MASTER BOM

Item	Maximo No.	Description	Units
25	500804	WELDER,THERMITE, THERMITE, FOR GAS PIPE, #12 CABLE,HORIZONTAL STEEL PIPE 4 IN AND LARGER DIAMETER	EA
26	500805	WELDER,THERMITE, THERMITE, FOR GAS PIPE, #12 CABLE, HORIZONTAL STEEL PIPE 3/4 - 3-1/2 IN DIAMETER	EA
69	503673	TAPE,WAX, 9 FT LG X 4 IN W, 24 ROLLS/CS, ABOVE AND BELOW GROUND APPLICATIONS, TR-#2A WAX, ALUMINUM	ROLL
95	505818	ANODE,BAG, 2.5 X 2.5 X 4.5 IN, 10 FT LG, 3 LB, MAGNESIUM	EA
101	508567	POWDER, CARTRIDGE, TYPE IS F-33, ALLOY , CAP COLOR CLEAR, 15 GM CHARGE, 20/PAC, FOR STEEL PIPE	BOX
102	508572	PRIMER, 4 GAL/CASE, BROWN, FOR WAX TAPE, APPLICATION TEMP 0 TO 230 F, TEMCOAT 3000	EA
108	513850	CABLE, INSULATED, CATHODIC PROTECTION, 1/C, #4 AWG, 7 STR, 600 V, BLACK, HMWPE, CU, 1000 FT ROLLS	FT
116	517626	CONNECTOR, SPLIT BOLT, 12 SOLID - 10 STRANDED, CU TO CU, HOUSING (COVER) MATE IN 590389,	EA
657	559168	SLEEVE,ELECTRICAL, #14 TO 10 AWG, W/ THERMITE WELDER, FOR CATHODIC PROTECTION	EA
874	577776	ANODE,BAG, 17 LB NET, HIGH POTENTIAL MAGNESIUM, W/ 10 FT #10 AWG TW ORANGE LEAD WIRE, PACKED IN CARDBOARD BOX 42 LB TOTAL WEIGHT	EA
967	578415	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, WHITE, INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
1219	584045	EDI CONCENTRIC COUPON ASSEMBLY INCLUDING UCB-ZIN-LW010, 10 FT OF CABLE	ES
1418	590389	HOUSING, 50 V MAX, 10 AWG MAX, FOR PROTECTING TRACER WIRE SPLICES, USED WITH CONNECTOR IN 517626. 10/BAG	EA
1433	590871	BOX VALVE, TEST STATION, CP TEST #178, 10-1/4 IN DIA. LID, 8-3/8 IN I.D. 16 IN H., ASTM A48 CL 25 CAST IRON, FOR OFF-ROAD USE ONLY	EA
1548	603126	EDI CONCENTRIC COUPON ASSEMBLY INCLUDING UCB-ZIN-LW025, 25 FT OF CABLE	ES
1549	603139	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, BLACK, INSULATED, CU, 500 FT SPOOL,WIRE	ROLL
1550	603140	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, RED, INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
1551	603141	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, BLUE INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
1565	603423	TAPE,WAX, 9 FT LG X 6 IN W X 70-90 MIL THK, 16 ROLLS/CS, ABOVE AND BELOW GROUND APPLICATIONS, TR-#2A WAX, ALUMINUM	ROLL
1573	603769	TRENTON-FILL POR PM-GP,140 FA, FOR FILLING VOIDS & IRREGULAR SPACES PRIOR TO WRAPPING W/WAX TAPE, 0F TO 110F APPLICATION TEMPERATURE, 6 BLOCKS/CASE,	CASE
1576	603894	BOX,CORROSION, 18 IN LG, 5 IN DP, CI, W/ 5 TERMINAL, HOOKS, NON-LOCKING LID, YELLOW, LID MARKED 'CP TEST' - CATHODIC PROTECTION, CP TEST BOX	EA
1845	513849	CABLE, INSULATED, CATHODIC PROTECTION, 1/C, #8 AWG, 600 V	EA
1846	584942	WIRE,ELECTRICAL, CATHODIC PROTECTION CABLE, #6, HMWPE INSULATED	EA
1847	583055	ENCAPSULATION KIT, 2 PART, RESIN EPOXY, MOLD BODY, THRU 1 KV, INSULATES AND MOISTURE SEALS WYE CONNECTIONS	EA

NOTES:

1. ALL TEST STATION BOXES SHOULD BE INSTALLED IN A SAFE LOCATION WHERE ONE INDIVIDUAL CAN SAFELY OPEN AND ACCESS THE TEST WIRES. ALL TEST WIRES INSIDE THE BOX SHOULD HAVE ENOUGH SLACK ON THE WIRES SO THEY CAN EXTEND A MINIMUM OF 12" ABOVE GRADE.
2. FOR TYPE A TEST STATIONS, THE TWO WIRES SHOULD BE THERMITE WELDED TO THE COATED STEEL MAIN AND BE THE SAME COLOR. (COUPONS COULD BE ADDED TO THE TEST STATION TYPE).
3. FOR TYPE B TEST STATIONS, EACH OF THE FOUR WIRES SHOULD BE A DIFFERENT COLOR AND DOCUMENTED
4. FOR TYPE C TEST STATIONS, THE WIRES SHOULD BE THE SAME COLOR ON EACH SIDE OF THE INSULATED COUPLING. (ANODES AND/OR COUPONS COULD BE ADDED TO THIS TEST STATION TYPE).
5. FOR TYPE D TEST STATIONS WHICH ARE AT A CASING, WHITE WIRES ARE NORMALLY INSTALLED ON THE STEEL CASING AND BLACK WIRES ARE INSTALLED ON THE CARRIER PIPE. (ANODES AND/OR COUPONS COULD BE ADDED TO THIS TEST STATION TYPE).
6. FOR TYPE M TEST STATIONS, THE TWO WIRES THERMITE WELDED TO THE CARRIER PIPE SHOULD BE THE SAME COLOR WIRE. THERE IS ALSO MAGNESIUM ANODE(S) WIRE(S) LOCATED INSIDE THE TEST STATION BOX.THE WIRE COLOR (TYPICALLY ORANGE) FOR THE ANODES. IF THE ANODE WIRES ARE SPLICED TO A COMMON ANODE HEADER CABLE, THE ANODE HEADER CABLE SHOULD BE A (WHITE OR RED) DIFFERENT COLOR WIRE THAN THE WIRE THAT WAS THERMITE WELDED TO THE CARRIER PIPE. AT A TYPE M TEST STATION, NO MAGNESIUM ANODES SHOULD BE DIRECTLY THERMITE WELDED TO THE CARRIER PIPE OR IN CONTACT WITH THE CARRIER PIPE. THE ANODE HEADER WIRE OR INDIVIDUAL ANODE WIRES SHOULD TERMINATE INSIDE THE TEST STATION BOX. ANODES SHOULD BE SPACED A MINIMUM OF 5' ON CENTER FROM EACH OTHER AND A MINIMUM OF 12" AWAY AND BELOW THE BOTTOM OF THE STEEL MAIN.
7. IF COUPONS ARE TO BE INSTALLED , FIRST REMOVE THE PROTECTIVE LABEL COVERING THE STEEL COUPON AND THE RED STICKERS COVERING EACH SENSING PORT. CLEAN THE ENTIRE STEEL COUPON SURFACE WITH ALCOHOL TO REMOVE THE CORROSION INHIBITOR .PLACE THE COUPON ASSEMBLY APPROXIMATELY 12" FROM THE GAS MAIN BEING MONITORED WITH THE SENSING PORTS FACING THE GAS MAIN. THE COUPON ASSEMBLY SHOULD BE LOCATED ADJACENT TO THE BOTTOM PORTION OF THE GAS MAIN, ANYWHERE BETWEEN 3 O'CLOCK AND 9 O'CLOCK. THE SOIL BETWEEN THE COUPON AND THE MAIN SHOULD BE WELL COMPACTED AND CONTAIN NO ROCKS LARGER THAN A CENTIMETER IN DIAMETER OR FOREIGN MATERIAL.
8. ONE (1) 3# ANODE (MINIMUM) SHALL BE INSTALLED TO PROTECT THE CLAMPS ON EACH 10-FOOT SPAN OF PIPE. EACH 10-FOOT SPAN OF PIPE MUST BE A CONTINUOUS SECTION OF STEEL. CLAMPS ON NON-CONTINUOUS SECTIONS OF STEEL EVEN IF THEY ARE WITHIN 10 FEET OF EACH CANNOT BE PROTECTED BY THE SAME ANODE.
9. REFER TO CONSTRUCTION STANDARD CS-500 SECTION IV.G WHICH PROVIDES GENERAL GUIDANCE REGARDING "WRAPPING" FOR CORROSION PROTECTION. CS-500 SECTION IV.G.5. DESCRIBES THE BASIC STEPS REQUIRED TO WRAP LEAK REPAIR CLAMPS.

NOTE: WHEN MULTIPLE WIRES FROM DIFFERENT PIPE SECTIONS ARE IN THE SAME TEST STATION, THE WIRES FROM THE SAME PIPE SECTION AND ASSOCIATED ANODE WILL BE TAPED TOGETHER INSIDE THE TEST STATION.

REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS

Revision/Status

EVERSOURCE

WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS

PROJECT # 25EG005 / WORK ORDER # 16835296

MA CORROSION DETAILS

SCALE: NTS SHEET 36 OF 38

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-36	B

Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

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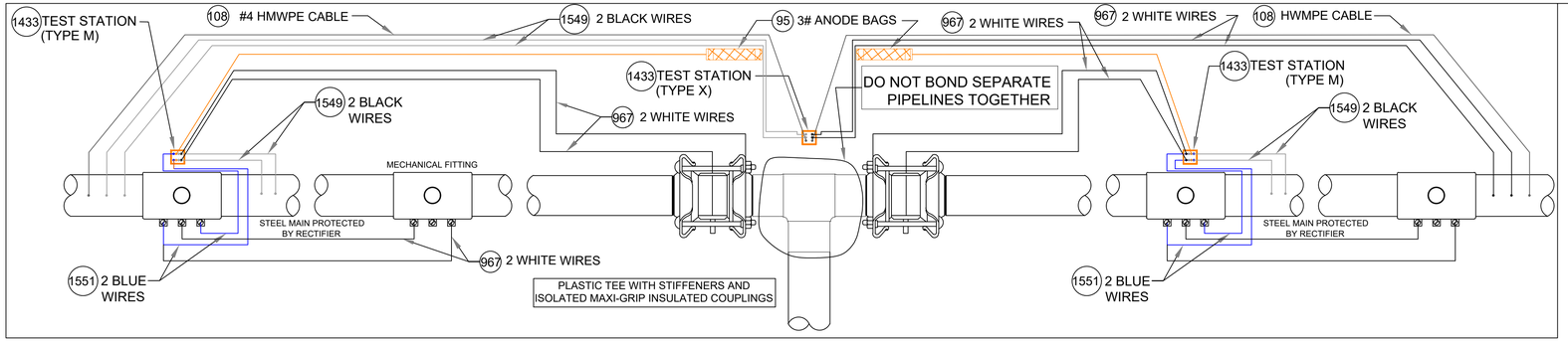
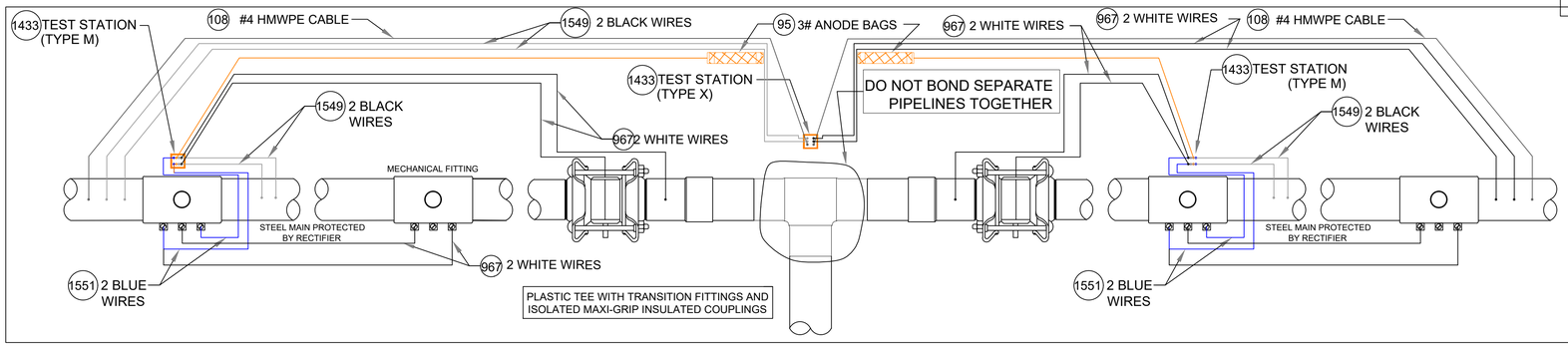


ANODE INSTALLATION FOR MULTIPLE MECHANICAL FITTINGS
INSTALLED ON NON-ELECTRICALLY CONTINUOUS SECTIONS OF COATED STEEL PIPING

DETAIL CP17
SCALE: 1/2" = 1'-0"

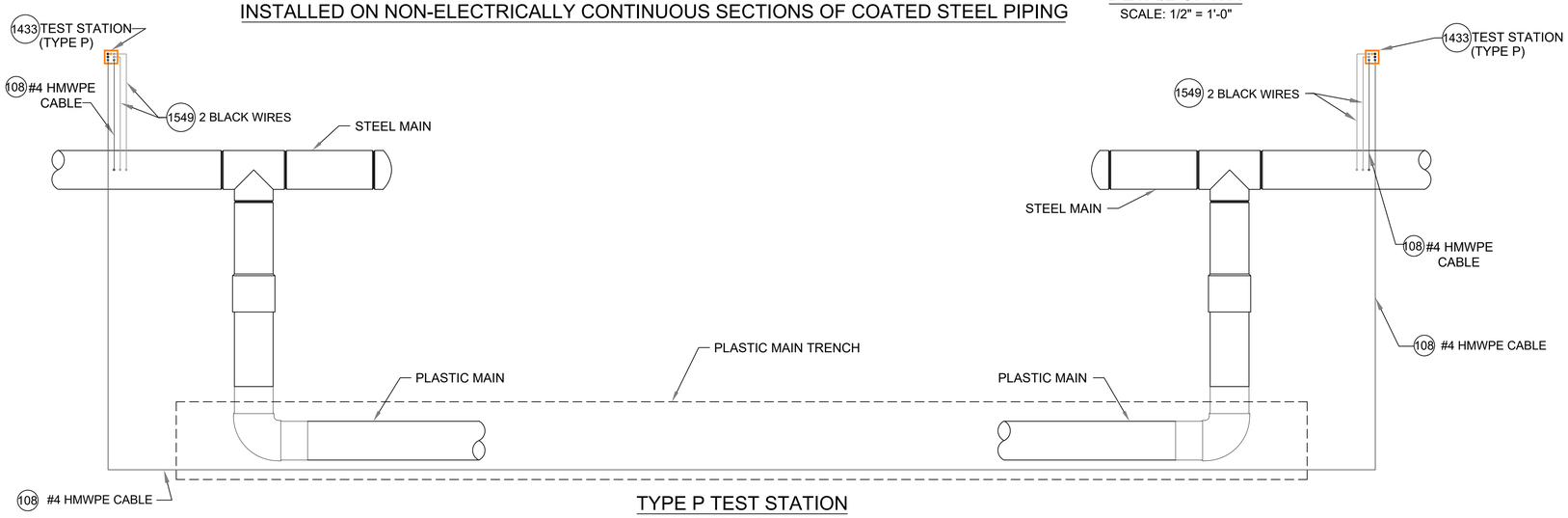
CATHODIC PROTECTION BILL OF MATERIALS MASTER BOM

Item	Maximo No.	Description	Units
25	500804	WELDER,THERMITE, THERMITE, FOR GAS PIPE, #12 CABLE,HORIZONTAL STEEL PIPE 4 IN AND LARGER DIAMETER	EA
26	500805	WELDER,THERMITE, THERMITE, FOR GAS PIPE, #12 CABLE, HORIZONTAL STEEL PIPE 3/4 - 3-1/2 IN DIAMETER	EA
69	503673	TAPE,WAX, 9 FT LG X 4 IN W, 24 ROLLS/CS, ABOVE AND BELOW GROUND APPLICATIONS, TR-#2A WAX, ALUMINUM	ROLL
95	505818	ANODE,BAG, 2.5 X 2.5 X 4.5 IN, 10 FT LG, 3 LB, MAGNESIUM	EA
101	508567	POWDER, CARTRIDGE, TYPE IS F-33, ALLOY , CAP COLOR CLEAR, 15 GM CHARGE, 20/PAC, FOR STEEL PIPE	BOX
102	508572	PRIMER, 4 GAL/CASE, BROWN, FOR WAX TAPE, APPLICATION TEMP 0 TO 230 F, TEMCOAT 3000	EA
108	513850	CABLE, INSULATED, CATHODIC PROTECTION, 1/C, #4 AWG, 7 STR, 600 V, BLACK, HMWPE, CU, 1000 FT ROLLS	FT
116	517626	CONNECTOR, SPLIT BOLT, 12 SOLID - 10 STRANDED, CU TO CU, HOUSING (COVER) MATE IN 590389,	EA
657	559168	SLEEVE,ELECTRICAL, #14 TO 10 AWG, W/ THERMITE WELDER, FOR CATHODIC PROTECTION	EA
874	577776	ANODE,BAG, 17 LB NET, HIGH POTENTIAL MAGNESIUM, W/ 10 FT #10 AWG TW ORANGE LEAD WIRE, PACKED IN CARDBOARD BOX 42 LB TOTAL WEIGHT	EA
967	578415	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, WHITE, INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
1219	584045	EDI CONCENTRIC COUPON ASSEMBLY INCLUDING UCB-ZIN-LW010, 10 FT OF CABLE	ES
1418	590389	HOUSING, 50 V MAX, 10 AWG MAX, FOR PROTECTING TRACER WIRE SPLICES, USED WITH CONNECTOR IN 517626. 10/BAG	EA
1433	590871	BOX VALVE, TEST STATION, CP TEST #178, 10-1/4 IN DIA. LID, 8-3/8 IN I.D. 16 IN H., ASTM A48 CL 25 CAST IRON, FOR OFF-ROAD USE ONLY	EA
1548	603126	EDI CONCENTRIC COUPON ASSEMBLY INCLUDING UCB-ZIN-LW025, 25 FT OF CABLE	ES
1549	603139	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, BLACK, INSULATED, CU, 500 FT SPOOL,WIRE	ROLL
1550	603140	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, RED, INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
1551	603141	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, BLUE INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
1565	603423	TAPE,WAX, 9 FT LG X 6 IN W X 70-90 MIL THK, 16 ROLLS/CS, ABOVE AND BELOW GROUND APPLICATIONS, TR-#2A WAX, ALUMINUM	ROLL
1573	603769	TRENTON-FILL POR PM-GP,140 FA, FOR FILLING VOIDS & IRREGULAR SPACES PRIOR TO WRAPPING W/WAX TAPE, 0F TO 110F APPLICATION TEMPERATURE, 6 BLOCKS/CASE,	CASE
1576	603894	BOX,CORROSION, 18 IN LG, 5 IN DP, CI, W/ 5 TERMINAL, HOOKS, NON-LOCKING LID, YELLOW, LID MARKED 'CP TEST' - CATHODIC PROTECTION, CP TEST BOX	EA
1845	513849	CABLE, INSULATED, CATHODIC PROTECTION, 1/C, #8 AWG, 600 V	EA
1846	584942	WIRE,ELECTRICAL, CATHODIC PROTECTION CABLE, #6, HMWPE INSULATED	EA
1847	583055	ENCAPSULATION KIT, 2 PART, RESIN EPOXY, MOLD BODY, THRU 1 KV, INSULATES AND MOISTURE SEALS WYE CONNECTIONS	EA



ANODE INSTALLATION FOR MULTIPLE MECHANICAL FITTINGS
INSTALLED ON NON-ELECTRICALLY CONTINUOUS SECTIONS OF COATED STEEL PIPING

DETAIL CP17A
SCALE: 1/2" = 1'-0"



TYPE P TEST STATION
DETAIL CP18
SCALE: 1/2" = 1'-0"

NOTES:

1. ALL TEST STATION BOXES SHOULD BE INSTALLED IN A SAFE LOCATION WHERE ONE INDIVIDUAL CAN SAFELY OPEN AND ACCESS THE TEST WIRES. ALL TEST WIRES INSIDE THE BOX SHOULD HAVE ENOUGH SLACK ON THE WIRES SO THEY CAN EXTEND A MINIMUM OF 12" ABOVE GRADE.
2. FOR TYPE A TEST STATIONS, THE TWO WIRES SHOULD BE THERMITE WELDED TO THE COATED STEEL MAIN AND BE THE SAME COLOR. (COUPONS COULD BE ADDED TO THE TEST STATION TYPE).
3. FOR TYPE B TEST STATIONS, EACH OF THE FOUR WIRES SHOULD BE A DIFFERENT COLOR AND DOCUMENTED
4. FOR TYPE C TEST STATIONS, THE WIRES SHOULD BE THE SAME COLOR ON EACH SIDE OF THE INSULATED COUPLING. (ANODES AND/OR COUPONS COULD BE ADDED TO THIS TEST STATION TYPE).
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7. IF COUPONS ARE TO BE INSTALLED , FIRST REMOVE THE PROTECTIVE LABEL COVERING THE STEEL COUPON AND THE RED STICKERS COVERING EACH SENSING PORT. CLEAN THE ENTIRE STEEL COUPON SURFACE WITH ALCOHOL TO REMOVE THE CORROSION INHIBITOR .PLACE THE COUPON ASSEMBLY APPROXIMATELY 12" FROM THE GAS MAIN BEING MONITORED WITH THE SENSING PORTS FACING THE GAS MAIN. THE COUPON ASSEMBLY SHOULD BE LOCATED ADJACENT TO THE BOTTOM PORTION OF THE GAS MAIN, ANYWHERE BETWEEN 3 O'CLOCK AND 9 O'CLOCK. THE SOIL BETWEEN THE COUPON AND THE MAIN SHOULD BE WELL COMPACTED AND CONTAIN NO ROCKS LARGER THAN A CENTIMETER IN DIAMETER OR FOREIGN MATERIAL.
8. ONE (1) 3# ANODE (MINIMUM) SHALL BE INSTALLED TO PROTECT THE CLAMPS ON EACH 10-FOOT SPAN OF PIPE. EACH 10-FOOT SPAN OF PIPE MUST BE A CONTINUOUS SECTION OF STEEL. CLAMPS ON NON-CONTINUOUS SECTIONS OF STEEL EVEN IF THEY ARE WITHIN 10 FEET OF EACH CANNOT BE PROTECTED BY THE SAME ANODE.
9. REFER TO CONSTRUCTION STANDARD CS-500 SECTION IV.G WHICH PROVIDES GENERAL GUIDANCE REGARDING "WRAPPING" FOR CORROSION PROTECTION. CS-500 SECTION IV.G.5. DESCRIBES THE BASIC STEPS REQUIRED TO WRAP LEAK REPAIR CLAMPS.

NOTE: WHEN MULTIPLE WIRES FROM DIFFERENT PIPE SECTIONS ARE IN THE SAME TEST STATION, THE WIRES FROM THE SAME PIPE SECTION AND ASSOCIATED ANODE WILL BE TAPED TOGETHER INSIDE THE TEST STATION.

REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS

Revision/Status

EVERSOURCE

WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS

PROJECT # 25EG005 / WORK ORDER # 16835296

MA CORROSION DETAILS

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

SCALE: NTS SHEET 37 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-37	B

Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

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THE DDS COMPANIES
153 CORDAVILLE RD
SUITE 210
SOUTHBOROUGH, MA 01772
(781) 385-4644

PROJECT # 71240161

FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

REV	Description	Date	Dw/Ck
B	REVISIONS PER EVERSOURCE COMMENTS	09/19/24	ECP/ADS
A	DRAWING CREATED	08/08/24	ECP/ADS

Revision/Status

EVERSOURCE

WELLESLEY ST, SPRINGFIELD, MASSACHUSETTS
PROJECT # 25EG005 / WORK ORDER # 16835296
BLANK GRIDDED SHEET

SCALE: NTS SHEET 38 OF 38

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
JP 08/08/2024	ECP 08/08/2024	MA-SPR-PIP-25-003-38	B

Attachment: MA-SPR-PIP-24-003 - Wellesley St - IFR Drawing - Rev B (8322 : Eversource Gas - Wellesley St.)

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EVERSOURCE ENERGY

9/5/2024

Honorable Mayor and City Council
City of Springfield
City Hall
Court Street
Springfield, MA 01103

ATTN: Gladys Oyola-Lopez, City Clerk

PROJECT NAME: Wellesley St - GSEP

Ladies & Gentlemen:

Eversource of Massachusetts (EGMA) hereby requests that it be granted a location for and permission to install and replace underground gas facilities within a section of the McKnight Neighborhood (as seen in the attached plan). Work will extend to the following streets in varying degrees/durations:

Street Name	From	To
St James Ave	Dorchester St	108 St James Ave
Worthington St	St James Ave	1176 Worthington St
Dartmouth Terr	St James Ave	Cornell St
Glen Rd	Dartmouth Terr	End Limit
Harvard St	St James Ave	Cornell St
Wellesley St	St James Ave	Cornell St
Princeton St	St James Ave	Cornell St
Campus Pl	Cornell St	End Limit
Cornell St	St James Ave	Dartmouth Terr
Lafayette St	St James Ave	387 St James Ave

This project will introduce modernized natural gas facilities to the area and retire the aged cast iron low pressure natural gas infrastructure. All proposed work by EGMA will include such laterals and service connections as it may now or subsequently find necessary. This project is being done in order to eliminate aging infrastructure and to replace the existing cast iron main.

Ryan Maheu
Engineer
Eversource Energy
2025 Roosevelt Ave.
Springfield, MA 01104
Cell: 413-569-8349
Email: ryan.maheu@eversource.com

Attachment: Springfield City Council Letter - Wellesley St (8322 : Eversource Gas - Wellesley St.)

City Council
36 Court Street
Springfield, MA 01103

SCHEDULED

PETITION (ID # 8323)

Meeting: 11/18/24 07:00 PM
Department: Department of Public Works
Category: General
Prepared By: Hector Velez
Initiator: Hector Velez
Sponsors:
DOC ID: 8323

Eversource Gas - Fisher St.

ORDER FOR LOCATION OF UNDERGROUND CONDUIT

WHEREAS, The Board of Public Works, to which was referred the petition of Eversource-Gas to install and replace underground gas facilities within a section of Pine Point Neighborhood at Fisher Street, Nathaniel Street, Samuel Street, Silas Street, Benham Street, and Humbert Street to retire low-pressure cast iron gas infrastructure.

WHEREAS, said petition Fisher Street was referred to the Board of Public Works on August 20, 2024; and

WHEREAS, On September 23, 2024, a Notice of a Public Hearing on Fisher Street to be held on October 9, 2024, was sent by mail, to all property owners abutting an affected road, various Departments, Utility Companies, etc before the day of the hearing and posted on two public bulletin board a copy of which is attached a hearing of the Board of Public Works was held as scheduled on-site with the petitioner and interested parties.

WHEREAS, on October 9, 2024, the Board of Public Works reported thereon that, after careful consideration of the petition of Fisher Street to install underground gas facilities within a section of the Pine Point Neighborhood at Fisher Street, Nathaniel Street, Samuel Street, Silas Street, Benham Street, and Humbert Street to retire low-pressure cast iron gas infrastructure and update the system to medium-pressure., all as substantially shown on a plan attached with project name:

Fisher Street

consisting of twenty-three (23) sheets, which plan is incorporated herein by reference and is on file in the office of the Engineering Division of the Department of Public Works, Springfield, Massachusetts.

WHEREAS, the petition Fisher Street came before the City Council for a Public Hearing on this date,

NOW, THEREFORE, BE IT ORDERED:

1. That due care for public safety is exercised during construction including but not limited to the use of a police officer(s) for traffic control if necessary.

2. That said construction would not unnecessarily interfere with the movement of vehicular or pedestrian traffic in the area.

3. That care be taken during said construction not to damage any underground services.

4. That the construction site be returned to the same condition as found or better.

5. Said company shall indemnify and save harmless against all damages, costs, and expenses whatsoever to which the City may be subjected in consequence of the acts or neglect of said Company, its agents or servants, or in any manner arising from the rights and privileges granted it by the City.

6. In addition, said company shall, before a public way is disturbed for the laying of its wire or conduit, execute its bond in the penal sum of Ten Thousand Dollars ($10,000) conditioned for the faithful performance of its duties under this permit.

7. Said company shall comply with the requirements of existing Ordinances and orders and comply with any changes in Ordinances and orders as may hereafter be adopted by the Mayor and Council governing the construction and maintenance of buried cable, conduits, and wires.

8. That any sidewalks that are damaged or removed will be replaced in kind and accordance with the City of Springfield's Standard Specifications.

9. Ramps for the handicapped will be provided if and where required by law and in conformance with the Rules and Regulations of the Massachusetts Architectural Barrier Board.

10. That any curbing that is disturbed during construction will be reset to the established street grade using proper construction procedures.

11. That all proposed silo, manhole, and hex-hole covers will conform to and be compatible with an established street, tree belt, or sidewalk grades with suitable non-skid covers when in the sidewalk area.

12. That the Springfield Water and Sewer Commission be notified before construction begins. All installations of adjacent utilities must be a minimum of 4 feet from the existing water and/or sewer main, edge to edge of the pipe.

13. That asphalt trench restoration be done in accordance with the City of Springfield DPW requirements.

14. That all conditions outlined in the respective order are complied with.

TABLE OF CONTENTS

SHEET #	TITLE
01 OF 23	COVER SHEET
02 OF 23	NOTES
03 OF 23	LEGEND
04 OF 23	PROJECT LOCATION PLAN
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06 OF 23	PROJECT LOCATION PLAN
07 OF 23	PROJECT LOCATION PLAN
08 OF 23	PROJECT LOCATION PLAN
09 OF 23	MA PREPARATORY AND FINAL TIE-IN DETAILS
10 OF 23	MA PREPARATORY AND FINAL TIE-IN DETAILS
11 OF 23	MA PREPARATORY AND FINAL TIE-IN DETAILS
12 OF 23	MA PREPARATORY AND FINAL TIE-IN DETAILS
13 OF 23	MA PREPARATORY AND FINAL TIE-IN DETAILS
14 OF 23	MA PREPARATORY AND FINAL TIE-IN DETAILS
15 OF 23	MA PREPARATORY AND FINAL TIE-IN DETAILS
16 OF 23	MA PREPARATORY AND FINAL TIE-IN DETAILS
17 OF 23	MA PREPARATORY AND FINAL TIE-IN DETAILS
18 OF 23	MA PREPARATORY AND FINAL TIE-IN DETAILS
19 OF 23	MA PREPARATORY AND FINAL TIE-IN DETAILS
20 OF 23	MA CORROSION DETAILS (1 OF 3)
21 OF 23	MA CORROSION DETAILS (2 OF 3)
22 OF 23	MA CORROSION DETAILS (3 OF 3)
23 OF 23	BLANK GRIDDED SHEET

EVERSOURCE ENERGY

WORK SCOPE

PROJECT SUMMARY TABLE
INSTALLATION INFORMATION

Work Type	LENGTH (FT)	SIZE (IN)	MAOP	MATERIAL
INSTALL	5,037'	2"	60 PSIG	HDPE
			INSTALLATION TOTAL	5,037'
			UPRATE/RETEST TOTAL	0'

PROJECT SUMMARY TABLE
ABANDONMENT INFORMATION

LENGTH (FT)	SIZE (IN)	MAOP	ABANDONMENT CLASS
2'	2"	14" WC	Plastic (Non-GSEP)
7'	6"	14" WC	Plastic (Non-GSEP)
1,230'	4"	14" WC	Plastic (Non-GSEP)
4,013'	6"	14" WC	CI-(GSEP)
GSEP ABANDONMENT SUBTOTAL			4,013'
NON-GSEP ABANDONMENT SUBTOTAL			1,239'
ABANDONMENT TOTAL			5,252'

ISSUED FOR REVIEW

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FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
B	REVISED PER EGMA COMMENTS	09/18/24	KMQ/AS
A	ISSUED FOR REVIEW	08/29/24	TJ/AS

Revision/Status

EVERSOURCE ENERGY

FISHER ST-OPTIMAIN, SPRINGFIELD, MA
PROJECT # 23EG054 / WORK ORDER # 14870774
COVER SHEET

SCALE: 1"=30' ON 22"X34" SHEET 01 OF 23

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
TLJ / 08/15/2024	AS / 08/22/2024	MA-SPR-PIP-24-019-01	B

FISHER ST-OPTIMAIN, SPRINGFIELD, MA
PROJECT #23EG054
WORK ORDER #14870774

Attachment: MA-SPR-PIP-25-019 - Fisher St - IFR Drawing - REVA (8323 : Eversource Gas - Fisher St.)

Fisher St - Optimain Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
C:\users\kquinton\projectwise\fsl\d03964261\
Sep 19, 2024 - 8:13am

GENERAL NOTES:

A. 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.

1. IF THE TIE IN POINT MOVES TO A DIFFERENT SEGMENT OF PIPE THAN SHOWN.
2. IF A CHANGE IN THE LOCATION OF VALVES IS REQUIRED.
3. 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.
4. IF A CHANGE IN PIPE SIZE, MATERIAL, OR WALL THICKNESS IS REQUIRED.
5. ALTERNATE FITTINGS THAT ARE ACCEPTABLE FOR ANY TIE-IN DETAIL WILL BE CALLED OUT IN THE DRAWING. FITTING CHANGES NOT SHOWN AS ALTERNATIVES ON THE DRAWING WILL NEED TO FOLLOW THE DRAWING CHANGE PROCESS CONTAINED IN SECTION V.D.

B. CONSTRUCTION DRAWINGS, LOCATIONS OF EXISTING UTILITIES, UNDERGROUND STRUCTURES AND WORK LOCATIONS ARE BASED ON BEST AVAILABLE INFORMATION BUT HAVE NOT BEEN FIELD VERIFIED.

C. ALL WORK, MATERIAL AND CONSTRUCTION SHALL BE PERFORMED AND COMPLETED IN COMPLIANCE WITH ALL PERMITS AND APPROVALS PER EVERSOURCE, LOCAL, STATE, OSHA AND FEDERAL REGULATIONS AND STANDARDS.

D. ALL LIVE GAS WORK EXCEPT SERVICE SIZE TAPS, 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.

E. EXCAVATOR IS REQUIRED TO PROTECT EXISTING UTILITIES, STRUCTURES, LANDSCAPES FEATURES, SIGNAGE, CURBS, ETC. CARE SHOULD BE TAKEN NOT TO DISTURB OR DAMAGE SUCH ITEMS. 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.

F. 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.

WARNING:
FOR LP SYSTEMS (≤2 PSIG), **DO NOT USE** VENT STACKS LARGER THAN THOSE LISTED IN TABLE 3. DOING SO MAY CAUSE THE EXIT VELOCITY OF THE PURGE GASSES OUT OF THE STACK TO DROP BELOW THE RATE OF FLAME TRAVEL. IF VENT GASSES BECOME IGNITED, THE FLAME COULD TRAVEL BACK THROUGH THE VENT STACK, INTO THE MAIN.

TABLE 3 - REQUIRED VENT STACK SIZES FOR MAINS

PIPELINE TO BE PURGED - NOMINAL SIZE (INCHES)	PURGE GAS INJECTION FLOW RATE (CFM), MINIMUM	REQUIRED VENT STACK SIZE
1 ¼	5	1-INCH
1 ½	5	1-INCH
2	10	1-INCH
3	10	1-INCH
4	15	1-INCH
6	30	2-INCH(1)
8	60	2-INCH(1)
10	100	2-INCH(1)
12	150	2-INCH(1)
16	275	2-INCH
18	370	2-INCH

NOTE:

1. WHEN PURGING A PRESSURIZED SYSTEM (MAOP>2 PSIG) **INTO** SERVICE, A 1-INCH NOMINAL VENT STACK CAN BE UTILIZED, IF DESIRED.
2. WITHIN THE VENT STACK ASSEMBLIES, TWO TYPES OF "LOCALIZED REDUCTIONS" ARE PERMITTED AND SPECIFICALLY INCLUDE: THE TAP HOLE IN THE MAIN AND THE REDUCED SIZE OF THE PORT IN THE VENT STACK/ISOLATION VALVE.
   - FOR 1-INCH NOMINAL VENT STACKS THE TAP/PORT CAN BE AS SMALL AS ¾"; AND
   - FORE THE 2-INCH NOMINAL VENT STACKS THE TAP/PORT CAN BE AS SMALL AS 1 ¼".
3. THE BALANCE OF THE VENT STACK ASSEMBLY SHALL BE CONSTRUCTED USING PIPE AND FITTINGS OF THE NOMINAL SIZE OF THE SPECIFIED VENT STACK.

FISHER ST-OPTIMAIN, SPRINGFIELD — COMPLETE BOM

REQUIRED BILL OF MATERIALS

Item Number	Maximo Part Number	Description	Quantity	Units
15	500854	COUPLING, 2 IN IPS, ELECTROFUSION, PLASTIC,P100	1	EA
48	500866	TEE,PIPE, NON-BLOWING, 2 X 1/2 IN CTS X 0.090 IN THK WALL SDR 7, ELECTROFUSION X COMPRESSION ENDS, LIGHT WALL, POLYETHYLENE, PE3408/PE100	1	EA
377	505818	ANODE,BAG, 2.5 X 2.5 X 4.5 IN, 10 FT LG, 3 LB, MAGNESIUM, Alternate IN 577776	10	EA
370	513679	CABLE, INSULATED, MDP, #12 AWG, 7 STR, YELLOW, POLYETHYLENE-30, SOFT DRAWN CU, 500 FT/RL, FOR USED AS PIPE LOCATOR	5037	FT
8	542572	CAP,PIPE, 2 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	6	EA
230	542982	CLAMP,PIPE, REPAIR, 6 IN CIP, SS, W/1-1/4 NPT TAP, FOR 6.84 - 7.24 IN PIPE	4	EA
19	545367	ELBOW,PIPE, 90 DEG, 2 IN SDR 11, BUTT WELD ENDS, POLYETHYLENE, P100	1	EA
359	554877	PLUG,PIPE, SQUARE HEAD, SOLID, 1-1/4 IN, THREADED END, BLACK IRON, ANSI B1.20.1	4	EA
361	554878	PLUG,PIPE, SQUARE HEAD, SOLID, 2 IN, THREADED END, BLACK IRON, ANSI B1.20.1	13	EA
29	560705	TEE,PIPE, 2 IN IPS SDR 11, BUTT ENDS, POLYETHYLENE, P100	8	EA
33	562087	VALVE,BALL, 2 IN IPS, POLYETHYLENE, SDR 11, BUTT WELD, W/ FULL PORT OPENING	10	EA
368	565814	TAPE,WARNING, MARKED BURIED GAS LINE, 4 MIL, 1000 FT ROLL, 6 IN W, YELLOW, ISSUE EACH ROLL AS 1, T-01-A00,	5	RL
379	577776	ANODE,BAG, 17 LB NET, HIGH POTENTIAL MAGNESIUM, W/ 10 FT #10 AWG TW ORANGE LEAD WIRE, PACKED IN CARDBOARD BOX 42 LB TOTAL WEIGHT	2	EA
232	578022	FITTING,CLAMP, SERVI-SEAL REPAIR, 6 IN DIA, 9 IN LG, W/ 2 IN OUTLET, FOR CAST IRON PIPE	14	EA
3	592668	PIPE, 2 IN IPS X 0.216 IN THK WALL SDR 11, 2.375 IN OD, 350 FT LG COIL, POLYETHYLENE, PE3408/PE100	5037	FT
1660	602892	FITTING,TEE, 2 IN IPS X 1 IN IPS, ELECTROFUSION, HDPE, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	7	EA
1661	602894	FITTING,TEE, 4 IN IPS X 1 IN IPS, ELECTROFUSION, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	1	EA
43	610062	BOX VALVE, EXTENTION, 18 X 24 IN LONG, CMA 4232860	9	EA
238	610399	FITTING,CAP, LINE, INSULATED, 6 IN, 6.90 IN OD, CI, W/ ANODE, FOR CI PIPE, CMA 21128001	8	EA
90	610757	FITTING,CAP, END, LYCOFIT, 1/2 IN CTS X 0.090 IN THK WALL, PLASTIC, CMA 750823	1	EA
98	610764	FITTING,COUPLING, PIPE, LYCOFIT, 1/2 IN CTS X 0.090 IN WALL THK, PLASTIC, CMA 21658100	1	EA
47	611123	PIPE, 12 IN IPS SDR 11, 40 FT LG, HDPE, BLACK, Replaced by 55 4031	5	FT
1656	620089	FITTING,COUPLING, PIPE, LYCOFIT, 1 IN IPS SDR11, PLASTIC	8	EA
1653	620808	FITTING,CAP, LYCOFIT, 1 IN IPS SDR 11, PLASTIC, ASTM F1924	7	EA

OVERVIEW KEY MAP
NOT TO SCALE

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FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
B	REVISED PER EGMA COMMENTS	09/18/24	KMQ/AS
A	ISSUED FOR REVIEW	08/29/24	TJ/AS

Revision/Status

EVERSOURCE ENERGY

FISHER ST-OPTIMAIN, SPRINGFIELD, MA
PROJECT # 23EG054 / WORK ORDER # 14870774
NOTES
SCALE:1"=30' ON 22"X34" SHEET 02 OF 23

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
TLJ 08/15/2024	AS 08/22/2024	MA-SPR-PIP-24-019-02	B

Fisher St - Optimain Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
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Sep 19, 2024 - 8:13am
Attachment: MA-SPR-PIP-25-019 - Fisher St - IFR Drawing - REVA (8323 : Eversource Gas - Fisher St.)

DRAWING LEGEND

Gas Main Symbology

REGULATING STATION 50' BOUNDARY

EXISTING GAS MAIN — G — G —

PROPOSED GAS MAIN — G — G —

GAS MAIN TO BE ABANDONED — G — G —

GAS MAIN WITH SERVICE TRANSFERS — G — G —

GAS MAIN WITH PRESSURE INCREASE — G — G —

RIGHT-OF-WAY

ELECTRIC — E — E —

WATER LINE — W — W —

SEWER LINE — S — S —

TELEPHONE — T — T —

DRAIN LINE — D — D —

FENCE LINE — x — x — x — x — x —

Gas Main Material/Pressure Label References

MATERIAL CODES

CS*	Coated Steel Gas Main
CI*	Cast Iron Gas Main
BS*	Bare Steel Gas Main
WI*	Wrought Iron Gas Main
PH*	High Density Polyethylene Gas Main
PM*	Medium Density Polyethylene Gas Main

PRESSURE CODES

*LP	Low Pressure (<0.5 PSIG or 14" W.C.)
*IP	Intermediate Pressure (>2 PSIG ≤ 10 PSIG)
*MP	Medium Pressure (>10 PSIG ≤ 60 PSIG)
*HP	High Pressure (>60 PSIG)

MISCELLANEOUS CODES

*-SER	Service
*-R	Riser
(TC)	Transmission Class

Gas Main Installation Method Label References

AT	Attached
BH	Bridge Hanger
BLGH	Building Hanger
DB	Directional Bore
IS	Inserted
OC	Open Cut
PB	Pneumatic Bore
PL	Plowed
RT	Roof Top
(E)	Existing
(P)	Proposed

Gas Facility Symbology

x"GV	Gas Valve
x"PV	Critical Gas Valve (Gate - GV, Plug - PV, PE Ball - BP, ST Ball - BV)
x"HVTT	High Volume Tapping Tee
x"SST	Pressure Control Fitting - ShortStopp Tee
x"SPH	Pressure Control Fitting - Spherical Tee
x"MF-BO	Pressure Control Fitting - Mueller Bottom-out
x"MF-SO	Pressure Control Fitting - Mueller Side-out
x"MF-FT	Pressure Control Fitting - Mueller Flange Tee
x"SS	Pressure Control Fitting - ShortStopp
x"MF	Pressure Control Fitting - Mueller Stopper
x"x x" POLYTAP	Polytapp Side Saddle Fitting
	Transition
	End Cap
	Riser
	Reducer
EM	Electronic Marker
TWS	Flush-mounted Tracer Wire Station
	Post Pipeline Marker with Tracer Wire
MM	Gas Main Marker without Tracer Wire
W	Test Well
R	Regulator Station
R	Single Customer Regulator
M	Meter
MR	Meter with Regulator
	Test Point (Station)
T	Gas Service Tie-over
R	Gas Service Replacement
MMO	Meter Move Out

Swing Tie Symbology

T	Telephone Manhole
D	Drain Manhole
E	Electric Manhole
	Catch Basis
S	Sewer Manhole
	Fire Hydrant
	Utility Pole
	Property Marker
T	Telephone Pedestal
C	Television Pedestal
U	Unknown Manhole
	Water Box
	Water Gate
E	Electric Pedestal
	Iron Pin
	Light Pole
	INSIDE METER
	OUTSIDE METER

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No.	Description	Date	Dw/Ck
B	REVISED PER EGMA COMMENTS	09/18/24	KMQ/AS
A	ISSUED FOR REVIEW	08/29/24	TJ/AS

Revision/Status

EVERSOURCE ENERGY

FISHER ST-OPTIMAIN, SPRINGFIELD, MA

PROJECT # 23EG054 / WORK ORDER # 14870774

LEGEND

SCALE: 1"=30' ON 22"X34" SHEET 03 OF 23

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
TLJ 08/15/2024	AS 08/22/2024	MA-SPR-PIP-24-019-03	B

Fisher St - Optimain Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
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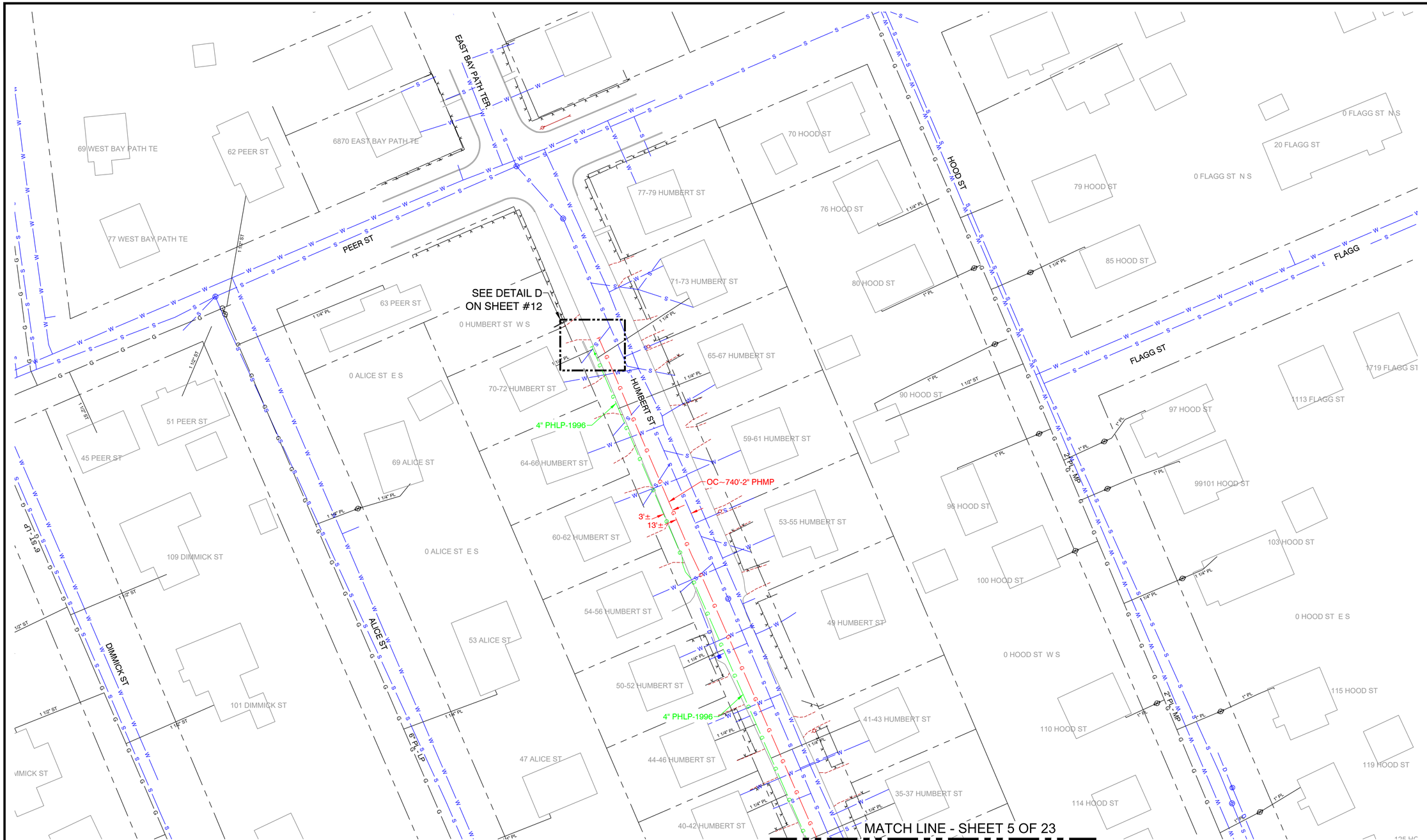
Sep 19, 2024 - 8:13am
Attachment: MA-SPR-PIP-25-019 - Fisher St - IFR Drawing - REVA (8323 : Eversource Gas - Fisher St.)



KEY MAP
SCALE: N.T.S.

N

No.	Description	Date	Dw/Ck
B	REVISED PER EGMA COMMENTS	09/18/24	KMQ/AS
A	ISSUED FOR REVIEW	08/29/24	TJ/AS

Revision/Status

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FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

EVERSOURCE ENERGY

FISHER ST-OPTIMAIN, SPRINGFIELD, MA

PROJECT # 23EG054 / WORK ORDER # 14870774

PROJECT LOCATION PLANS

SCALE: 1"=30' ON 22"X34" SHEET 04 OF 23

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
TLJ 08/15/2024	AS 08/22/2024	MA-SPR-PIP-24-019-04	B

Fisher St - Optimain Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
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Attachment: MA-SPR-PIP-25-019 - Fisher St - IFR Drawing - REVA (8323 : Eversource Gas - Fisher St.)

MATCH LINE - SHEET 4 OF 23

KEY MAP
SCALE: N.T.S.

0 ALICE ST E S
37 ALICE ST
31 ALICE ST
27 ALICE ST
17 ALICE ST
15 ALICE ST
31-33 HUMBERT ST
34-36 HUMBERT ST
25-27 HUMBERT ST
0 HUMBERT ST W S
28 HUMBERT ST
19 HUMBERT ST
11 HUMBERT ST
74 FISHER ST
66 FISHER ST
55 DIMMICK ST
45 DIMMICK ST
0 FISHER ST NS
145 SAMUEL ST
6163 FISHER ST
88 FISHER ST
96 FISHER ST
99 FISHER ST
83 FISHER ST
77 FISHER ST
135 ELIJAH ST
70 NATHANIEL ST
73 NATHANIEL ST
20 LYDIA ST
120 HOOD ST
124 HOOD ST
130 HOOD ST
0 HOOD ST W S
129 HOOD ST
133 HOOD ST
141 HOOD ST
110 HASKIN ST
116 HASKIN ST
118 FISHER ST
HOOD ST
HUMBERT ST
ALICE ST
FISHER ST
ELIJAH ST
NATHANIEL ST

OC~740'-2" PHMP
4" PHLP-1996
3'±
10'±
2" PHMP-2023
OC~30'-2" PHMP
6" CILP
4" PHLP-1986
6" CILP
3'±
6" CILP-1996
OC~701'-2" PHMP
6" CILP-1996
6" CILP-1926
3'±
OC~881'-2" PHMP
6" CILP
3'±
OC~882'-2" PHMP
6" CILP
OC~882'-2" PHMP

SEE DETAIL B ON SHEET #10
SEE DETAIL A ON SHEET #9
SEE DETAIL I ON SHEET #17
SEE DETAIL J ON SHEET #18
SEE DETAIL K ON SHEET #19
SEE DETAIL F ON SHEET #14

MATCH LINE - SHEET 6 OF 23

N

No.	Description	Date	Dw/Ck
B	REVISED PER EGMA COMMENTS	09/18/24	KMQ/AS
A	ISSUED FOR REVIEW	08/29/24	TJ/AS

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FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

EVERSOURCE ENERGY

FISHER ST-OPTIMAIN, SPRINGFIELD, MA
PROJECT # 23EG054 / WORK ORDER # 14870774
PROJECT LOCATION PLANS
SCALE: 1"=30' ON 22"X34" SHEET 05 OF 23

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
TLJ 08/15/2024	AS 08/22/2024	MA-SPR-PIP-24-019-05	B

Fisher St - Optimain Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
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Sep 19, 2024 - 8:13am

Attachment: MA-SPR-PIP-25-019 - Fisher St - IFR Drawing - REVA (8323 : Eversource Gas - Fisher St.)

MATCH LINE - SHEET 5 OF 23

KEY MAP
SCALE: N.T.S.

SAMUEL ST
LORENZO ST
ELIJAH ST
NATHANIEL ST
LYDIA ST
BENHAM ST

6" CILP-1948
4" PHLP-1988
6" CILP
6" CILP-1926
OC~882'-2" PHMP
OC~881'-2" PHMP
OC~280'-2" PHMP
3'±

SEE DETAIL C
ON SHEET #11

MATCH LINE - SHEET 7 OF 23

MATCH LINE - SHEET 8 OF 23

No.	Description	Date	Dw/Ck
B	REVISED PER EGMA COMMENTS	09/18/24	KMQ/AS
A	ISSUED FOR REVIEW	08/29/24	TJ/AS

Revision/Status

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EVERSOURCE ENERGY

FISHER ST-OPTIMAIN, SPRINGFIELD, MA
PROJECT # 23EG054 / WORK ORDER # 14870774
PROJECT LOCATION PLANS
SCALE: 1"=30' ON 22"X34" SHEET 06 OF 23

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
TLJ 08/15/2024	AS 08/22/2024	MA-SPR-PIP-24-019-06	B

Fisher St - Optimain Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
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Attachment: MA-SPR-PIP-25-019 - Fisher St - IFR Drawing - REVA (8323 : Eversource Gas - Fisher St.)

Fisher St - Optimain Pro Drawing Rev0.dwg

EGMA DRAWING TEMPLATE - 02-09-2023

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Attachment: MA-SPR-PIP-25-019 - Fisher St - IFR Drawing - REVA (8323 : Eversource Gas - Fisher St.)

KEY MAP
SCALE: N.T.S.

MATCH LINE - SHEET 6 OF 23

MATCH LINE - SHEET 8 OF 23

76 MARSDEN ST
71 MARSDEN ST
72 MARSDEN ST
66 MARSDEN ST
55 MARSDEN ST
56 MARSDEN ST
5052 MARSDEN ST
46 MARSDEN ST
42 MARSDEN ST
32 MARSDEN ST
28 MARSDEN ST
25 MARSDEN ST
0 MARSDEN ST E S
0 LYDIA ST S S
BENHAM ST E S
23 BENHAM ST
0 BENHAM ST E S
0 BENHAM ST E S
11 BENHAM ST
3 BENHAM ST
18 SILAS ST
42 NEWHALL ST
41 NEWHALL ST
37 NEWHALL ST
31 NEWHALL ST
27 NEWHALL ST
21 NEWHALL ST
17 NEWHALL ST
11 NEWHALL ST
5 NEWHALL ST
3 NEWHALL ST
0 BERKSHIRE AV N W S
180 BERKSHIRE AV
174-176 BERKSHIRE AV
168 BERKSHIRE AV
164 BERKSHIRE AV
160 BERKSHIRE AV
154 BERKSHIRE AV
148 BERKSHIRE AV
144 BERKSHIRE AV
191 BERKSHIRE AV
167 BERKSHIRE AV
82 JASPER ST
74 JASPER ST
68 JASPER ST
63 PRESTON ST
57 PRESTON ST
58 JASF
NEWHALL ST
MARSDEN ST
BENHAM ST
BERKSHIRE AVE
6" CILP
OC~280'-2" PHMP
3'±
10" CI - LP
1 1/4" PL
2" ST
1" ST
1 1/2" ST
.1" OTP

No.	Description	Date	Dw/Ck
B	REVISED PER EGMA COMMENTS	09/18/24	KMQ/AS
A	ISSUED FOR REVIEW	08/29/24	TJ/AS

Revision/Status

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FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

EVERSOURCE ENERGY

FISHER ST-OPTIMAIN, SPRINGFIELD, MA
PROJECT # 23EG054 / WORK ORDER # 14870774
PROJECT LOCATION PLANS
SCALE: 1"=30' ON 22"X34" SHEET 07 OF 23

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
TLJ 08/15/2024	AS 08/22/2024	MA-SPR-PIP-24-019-07	B

Sep 19, 2024 - 8:14am

MATCH LINE - SHEET 6 OF 23

MATCH LINE - SHEET 7 OF 23

SEE DETAIL E ON SHEET #13

SEE DETAIL G ON SHEET #15

SEE DETAIL H ON SHEET #16

OC~882'-2" PHMP

OC~881'-2" PHMP

OC~641'-2" PHMP

6" CILP

6" CILP-1926

3'±

SAMUEL ST

ELIJAH ST

NATHANIEL ST

SILAS ST

EASTLAND ST

LEAVITT

0 SAMUEL ST W S

0 SAMUEL ST E S

80 ELIJAH ST

0 ELIJAH ST E S

12 NATHANIEL ST

108 SILAS ST

86 SILAS ST

66 SILAS ST

72 ELIJAH ST

107 SILAS ST

95 SILAS ST

89 SILAS ST

85 SILAS ST

76 SAMUEL ST

EAVITT ST

0 LEAVITT ST E S

56 SILAS ST

4648 SILAS ST

0 SILAS ST S S

69 SILAS ST

67 SILAS ST

36 EASTLAND ST

33 EASTLAND S

45 SILAS ST

56 SAMUEL ST

57 LEAVITT ST

0 EASTLAND ST W S

KEY MAP
SCALE: N.T.S.

04-23
05-23
06-23 - 07-23
08-23

N

No.	Description	Date	Dw/Ck
B	REVISED PER EGMA COMMENTS	09/18/24	KMQ/AS
A	ISSUED FOR REVIEW	08/29/24	TJ/AS

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EVERSOURCE ENERGY

FISHER ST-OPTIMAIN, SPRINGFIELD, MA

PROJECT # 23EG054 / WORK ORDER # 14870774

PROJECT LOCATION PLANS

SCALE: 1"=30' ON 22"X34" SHEET 08 OF 23

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
TLJ 08/15/2024	AS 08/22/2024	MA-SPR-PIP-24-019-08	B

Fisher St - Optimain Pro Drawing Rev0.dwg

EGMA DRAWING TEMPLATE - 02-09-2023

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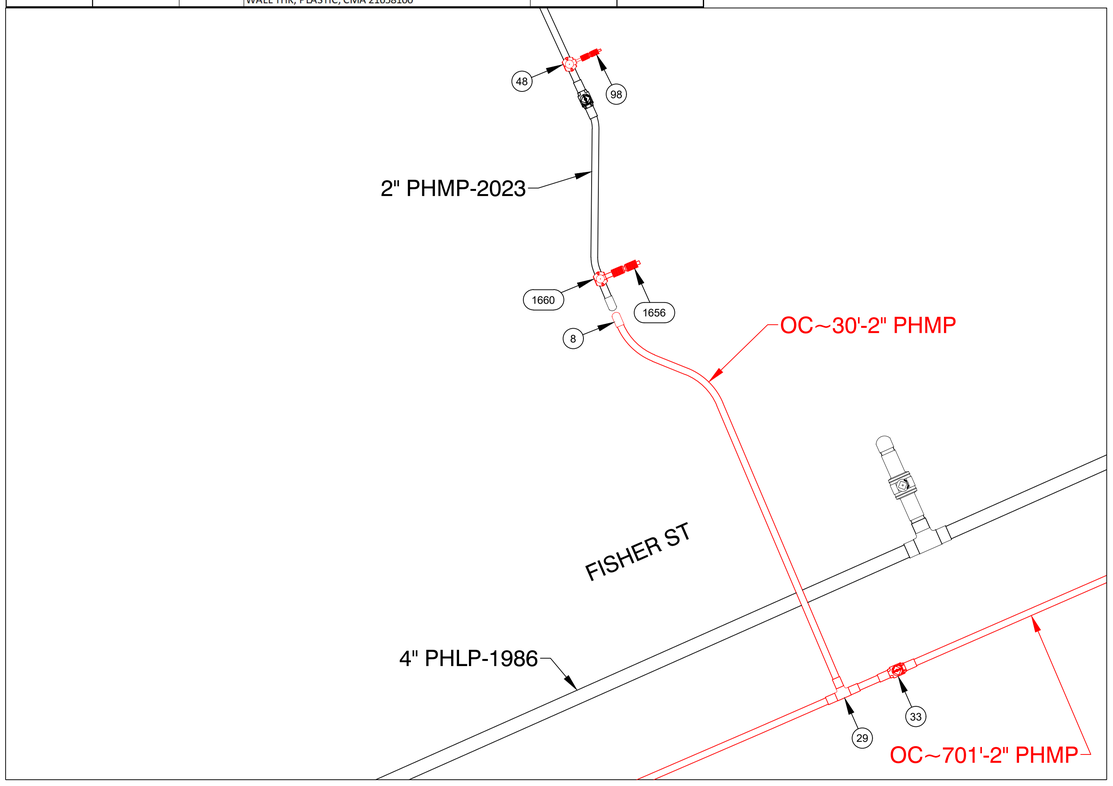
Sep 19, 2024 - 8:14am

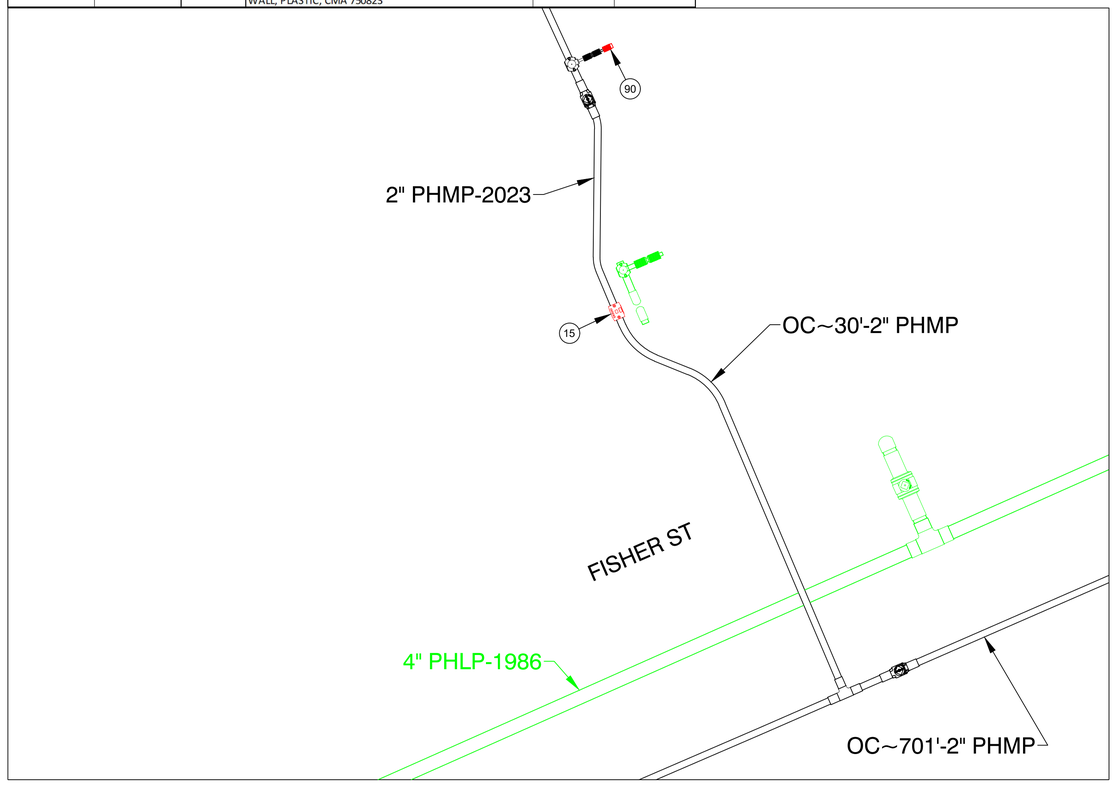
Attachment: MA-SPR-PIP-25-019 - Fisher St - IFR Drawing - REVA (8323 : Eversource Gas - Fisher St.)

FISHER ST-OPTIMAIN, SPRINGFIELD				DETAIL "A" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1656	MCJUREMA-000	620089	FITTING,COUPLING, PIPE, LYCOFIT, 1 IN IPS SDR11, PLASTIC	1	EA
1660	MCJUREMA-000	602892	FITTING,TEE, 2 IN IPS X 1 IN IPS, ELECTROFUSION, HDPE, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	1	EA
29	63078441	560705	TEE,PIPE, 2 IN IPS SDR 11, BUTT ENDS, POLYETHYLENE, P100	1	EA
33	14281726	562087	VALVE,BALL, 2 IN IPS, POLYETHYLENE, SDR 11, BUTT WELD, W/ FULL PORT OPENING	1	EA
48	63051215	500866	TEE,PIPE, NON-BLOWING, 2 X 1/2 IN CTS X 0.090 IN THK WALL SDR 7, ELECTROFUSION X COMPRESSION ENDS, LIGHT WALL, POLYETHYLENE, PE3408/PE100	1	EA
8	63078024	542572	CAP,PIPE, 2 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	1	EA
98	63424035	610764	FITTING,COUPLING, PIPE, LYCOFIT, 1/2 IN CTS X 0.090 IN WALL THK, PLASTIC, CMA 21658100	1	EA



PREPARATORY TIE-IN DETAIL A
NOT TO SCALE

FISHER ST-OPTIMAIN, SPRINGFIELD				DETAIL "A" FINAL	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
15	63054025	500854	COUPLING, 2 IN IPS, ELECTROFUSION, PLASTIC,P100	1	EA
90	63424221	610757	FITTING,CAP, END, LYCOFIT, 1/2 IN CTS X 0.090 IN THK WALL, PLASTIC, CMA 750823	1	EA



FINAL TIE-IN DETAIL A
NOT TO SCALE

ISSUED FOR REVIEW

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No.	Description	Date	Dw/Ck
B	REVISED PER EGMA COMMENTS	09/18/24	KMQ/AS
A	ISSUED FOR REVIEW	08/29/24	TJ/AS

Revision/Status

EVERSOURCE ENERGY

FISHER ST-OPTIMAIN, SPRINGFIELD, MA
PROJECT # 23EG054 / WORK ORDER # 14870774
PREPARATORY AND FINAL TIE-IN DETAILS
SCALE: 1"=30' ON 22"X34" SHEET 09 OF 23

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
TLJ 08/15/2024	AS 08/22/2024	MA-SPR-PIP-24-019-09	B

Fisher St - Optimain Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
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Sep 19, 2024 - 8:14am
Attachment: MA-SPR-PIP-25-019 - Fisher St - IFR Drawing - REVA (8323 : Eversource Gas - Fisher St.)

Fisher St - Optimain Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
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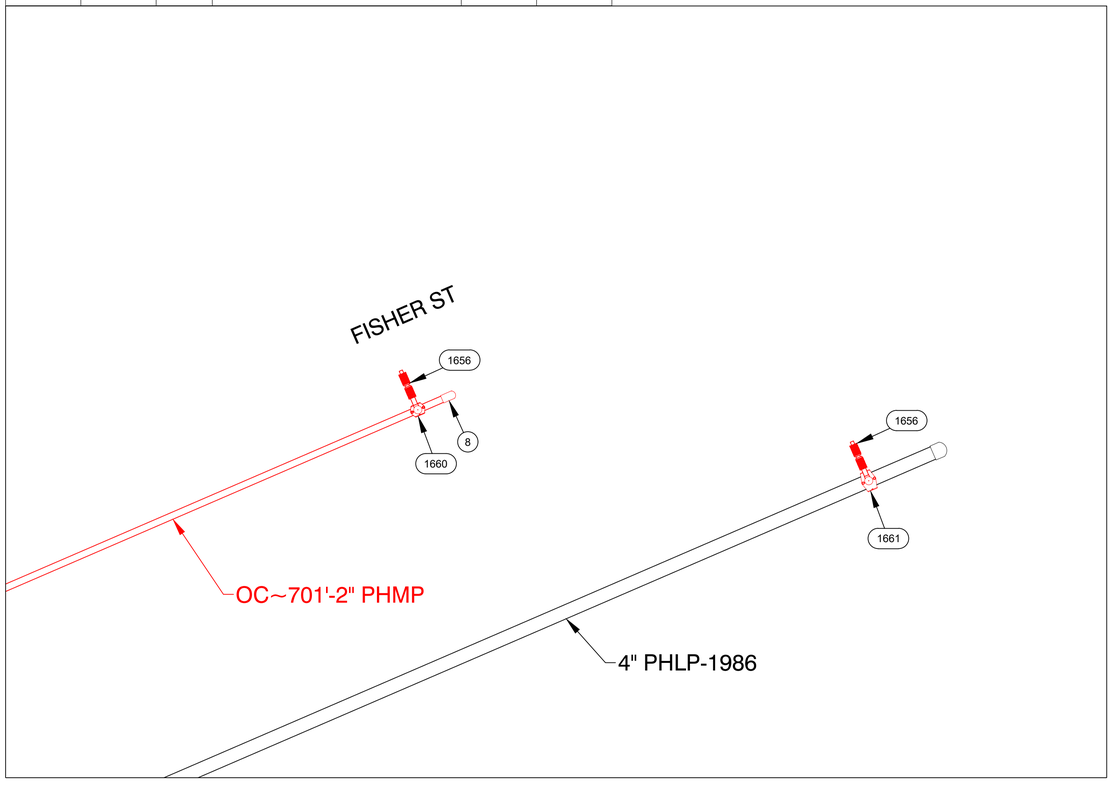
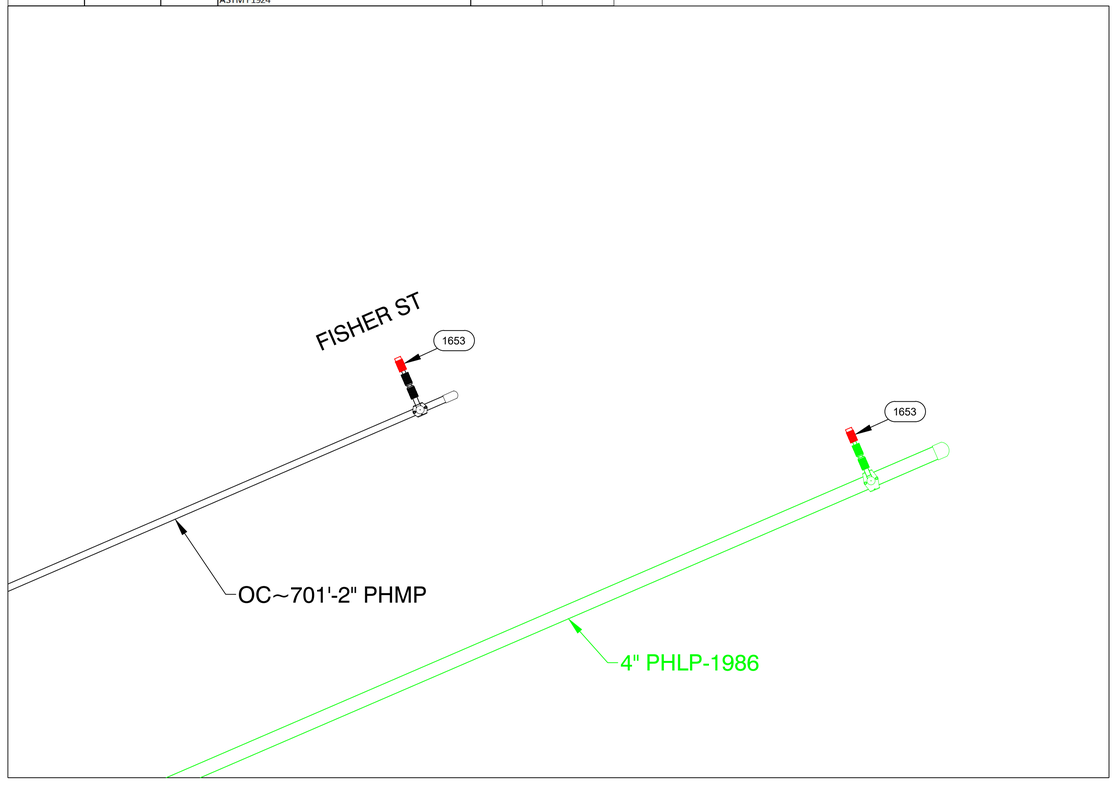
FISHER ST-OPTIMAIN, SPRINGFIELD, MA				DETAIL "B" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1656	MCJUREMA-000	620089	FITTING,COUPLING, PIPE, LYCOFIT, 1 IN IPS SDR11, PLASTIC	2	EA
1660	MCJUREMA-000	602892	FITTING,TEE, 2 IN IPS X 1 IN IPS, ELECTROFUSION, HDPE, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	1	EA
1661	MCJUREMA-000	602894	FITTING,TEE, 4 IN IPS X 1 IN IPS, ELECTROFUSION, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	1	EA
8	63078024	542572	CAP,PIPE, 2 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	1	EA



PREPARATORY TIE-IN DETAIL B
NOT TO SCALE

FISHER ST-OPTIMAIN, SPRINGFIELD, MA				DETAIL "B" FINAL	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1653	MCJUREMA-000	620808	FITTING,CAP, LYCOFIT, 1 IN IPS SDR 11, PLASTIC, ASTM F1924	2	EA



FINAL TIE-IN DETAIL B
NOT TO SCALE

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No.	Description	Date	Dw/Ck
B	REVISED PER EGMA COMMENTS	09/18/24	KMQ/AS
A	ISSUED FOR REVIEW	08/29/24	TJ/AS

Revision/Status

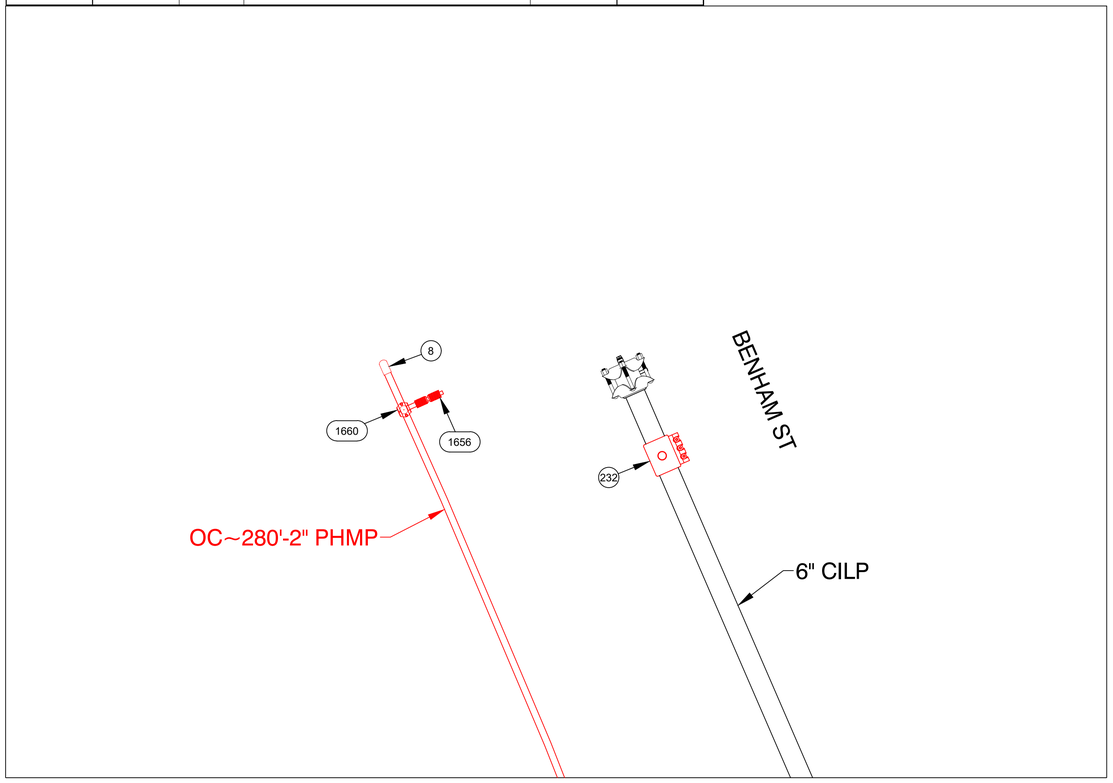
EVERSOURCE ENERGY

FISHER ST-OPTIMAIN, SPRINGFIELD, MA
PROJECT # 23EG054 / WORK ORDER # 14870774
PREPARATORY AND FINAL TIE-IN DETAILS
SCALE: 1"=30' ON 22"X34" SHEET 10 OF 23

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
TLJ 08/15/2024	AS 08/22/2024	MA-SPR-PIP-24-019-10	B

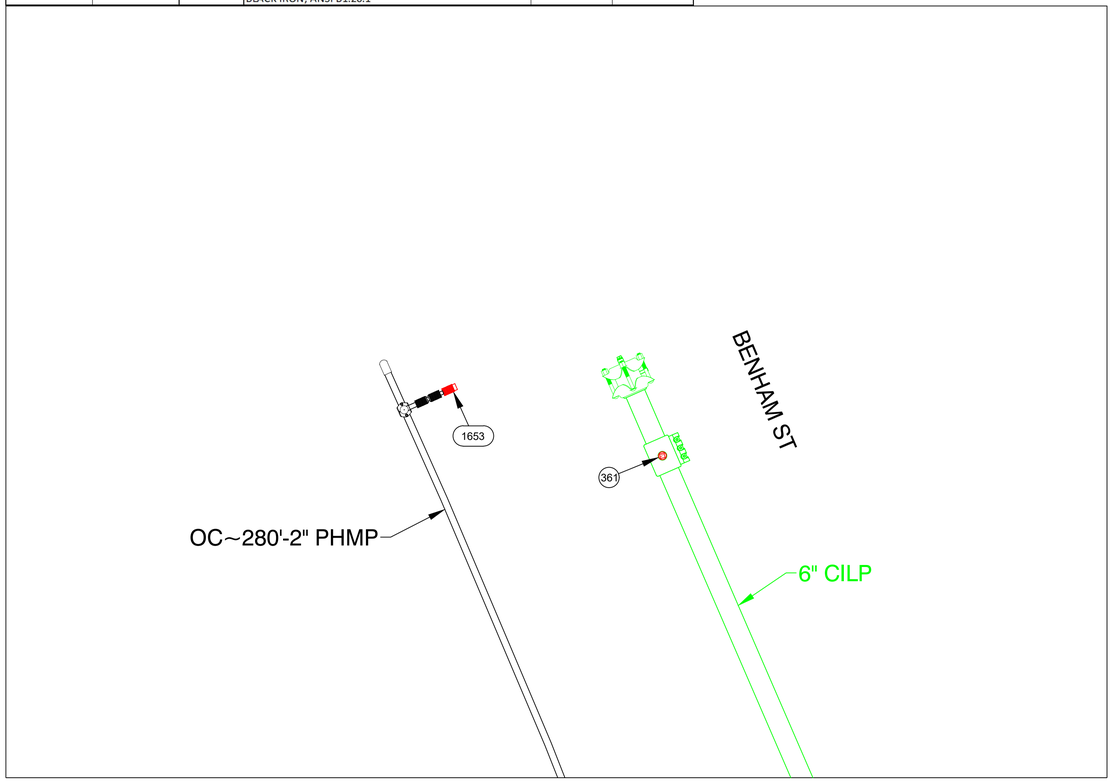
Attachment: MA-SPR-PIP-25-019 - Fisher St - IFR Drawing - REVA (8323 : Eversource Gas - Fisher St.)

FISHER ST-OPTIMAIN, SPRINGFIELD				DETAIL "C" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1656	MCJUREMA-000	620089	FITTING,COUPLING, PIPE, LYCOFIT, 1 IN IPS SDR11, PLASTIC	1	EA
1660	MCJUREMA-000	602892	FITTING,TEE, 2 IN IPS X 1 IN IPS, ELECTROFUSION, HDPE, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	1	EA
232	63462159	578022	FITTING,CLAMP, SERVI-SEAL REPAIR, 6 IN DIA, 9 IN LG, W/ 2 IN OUTLET, FOR CAST IRON PIPE	1	EA
8	63078024	542572	CAP,PIPE, 2 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	1	EA



PREPARATORY TIE-IN DETAIL C
NOT TO SCALE

FISHER ST-OPTIMAIN, SPRINGFIELD				DETAIL "C" FINAL	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1653	MCJUREMA-000	620808	FITTING,CAP, LYCOFIT, 1 IN IPS SDR 11, PLASTIC, ASTM F1924	1	EA
361	19080340	554878	PLUG,PIPE, SQUARE HEAD, SOLID, 2 IN, THREADED END, BLACK IRON, ANSI B1.20.1	1	EA



FINAL TIE-IN DETAIL C
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No.	Description	Date	Dw/Ck
B	REVISED PER EGMA COMMENTS	09/18/24	KMQ/AS
A	ISSUED FOR REVIEW	08/29/24	TJ/AS

Revision/Status

EVERSOURCE ENERGY

FISHER ST-OPTIMAIN, SPRINGFIELD, MA
PROJECT # 23EG054 / WORK ORDER # 14870774
PREPARATORY AND FINAL TIE-IN DETAILS
SCALE:1"=30' ON 22"X34" SHEET 11 OF 23

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
TLJ 08/15/2024	AS 08/22/2024	MA-SPR-PIP-24-019-11	B

Fisher St - Optimain Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
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Fisher St - Optimain Pro Drawing Rev0.dwg

EGMA DRAWING TEMPLATE - 02-09-2023

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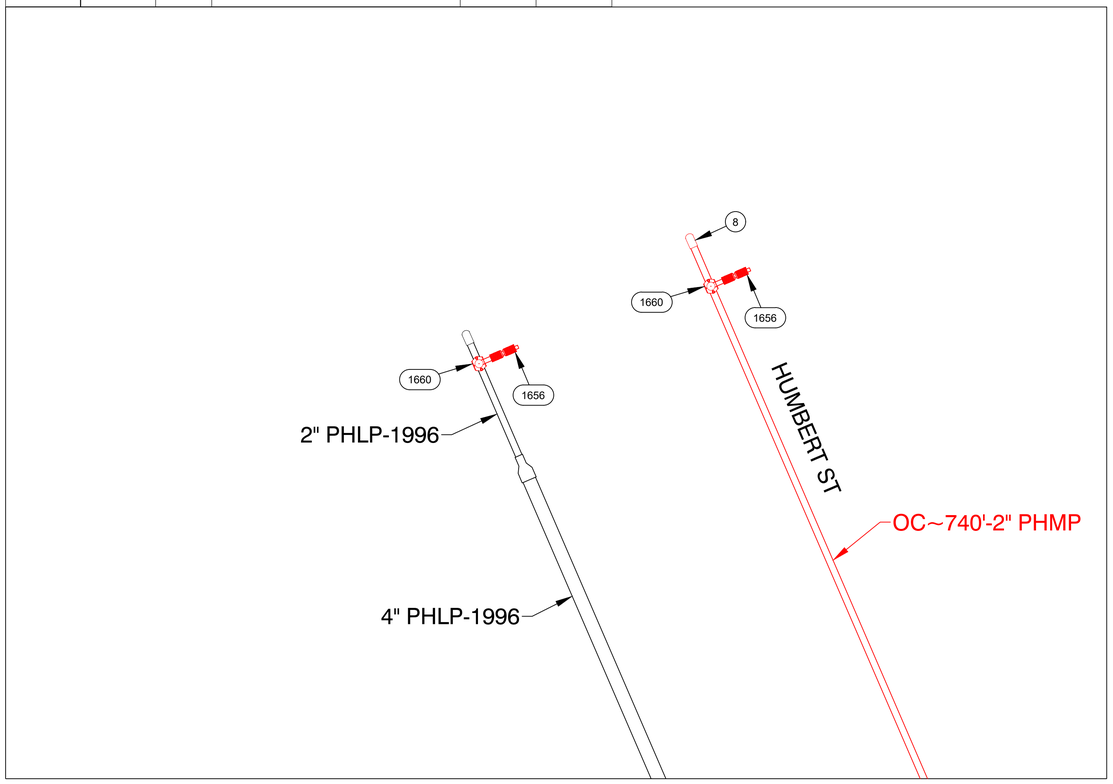
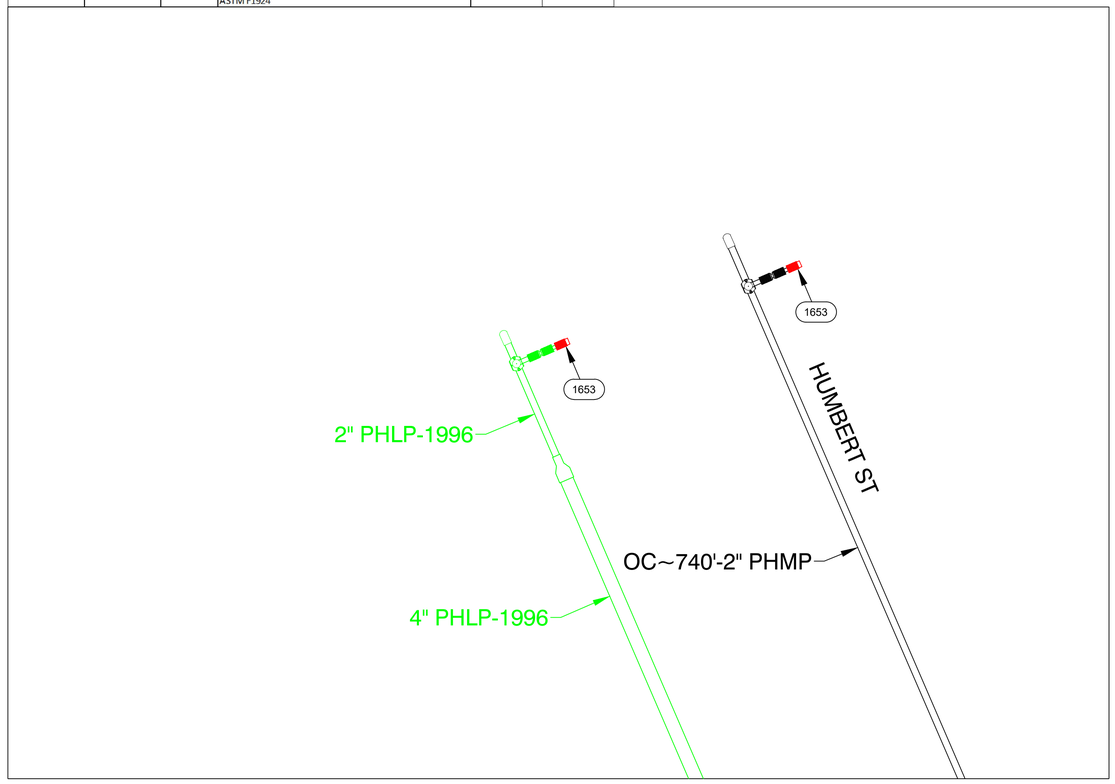
FISHER ST-OPTIMAIN, SPRINGFIELD, MA					DETAIL "D" PREPARATORY
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1656	MCJUREMA-000	620089	FITTING,COUPLING, PIPE, LYCOFIT, 1 IN IPS SDR11, PLASTIC	2	EA
1660	MCJUREMA-000	602892	FITTING,TEE, 2 IN IPS X 1 IN IPS, ELECTROFUSION, HDPE, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	2	EA
8	63078024	542572	CAP,PIPE, 2 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	1	EA



PREPARATORY TIE-IN DETAIL D
NOT TO SCALE

FISHER ST-OPTIMAIN, SPRINGFIELD, MA					DETAIL "D" FINAL
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1653	MCJUREMA-000	620808	FITTING,CAP, LYCOFIT, 1 IN IPS SDR 11, PLASTIC, ASTM F1924	2	EA



FINAL TIE-IN DETAIL D
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No.	Description	Date	Dw/Ck
B	REVISED PER EGMA COMMENTS	09/18/24	KMQ/AS
A	ISSUED FOR REVIEW	08/29/24	TJ/AS

Revision/Status

EVERSOURCE ENERGY

FISHER ST-OPTIMAIN, SPRINGFIELD, MA

PROJECT # 23EG054 / WORK ORDER # 14870774

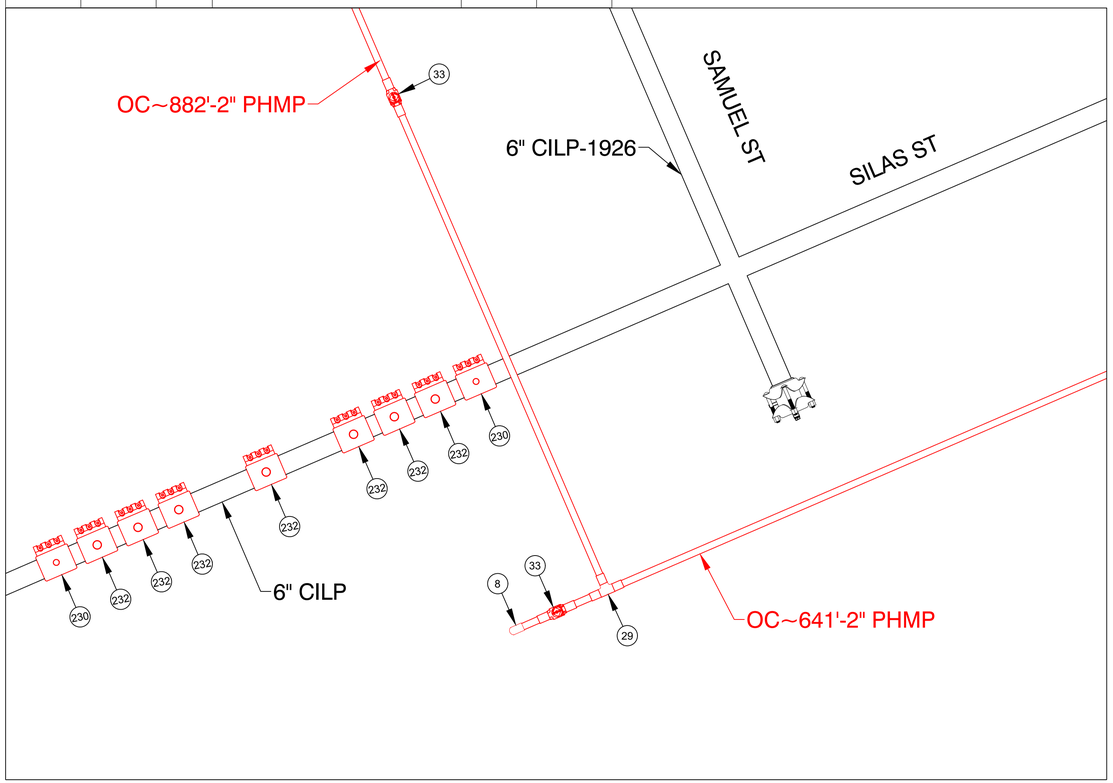
PREPARATORY AND FINAL TIE-IN DETAILS

SCALE: 1"=30' ON 22"X34" SHEET 12 OF 23

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
TLJ 08/15/2024	AS 08/22/2024	MA-SPR-PIP-24-019-12	B

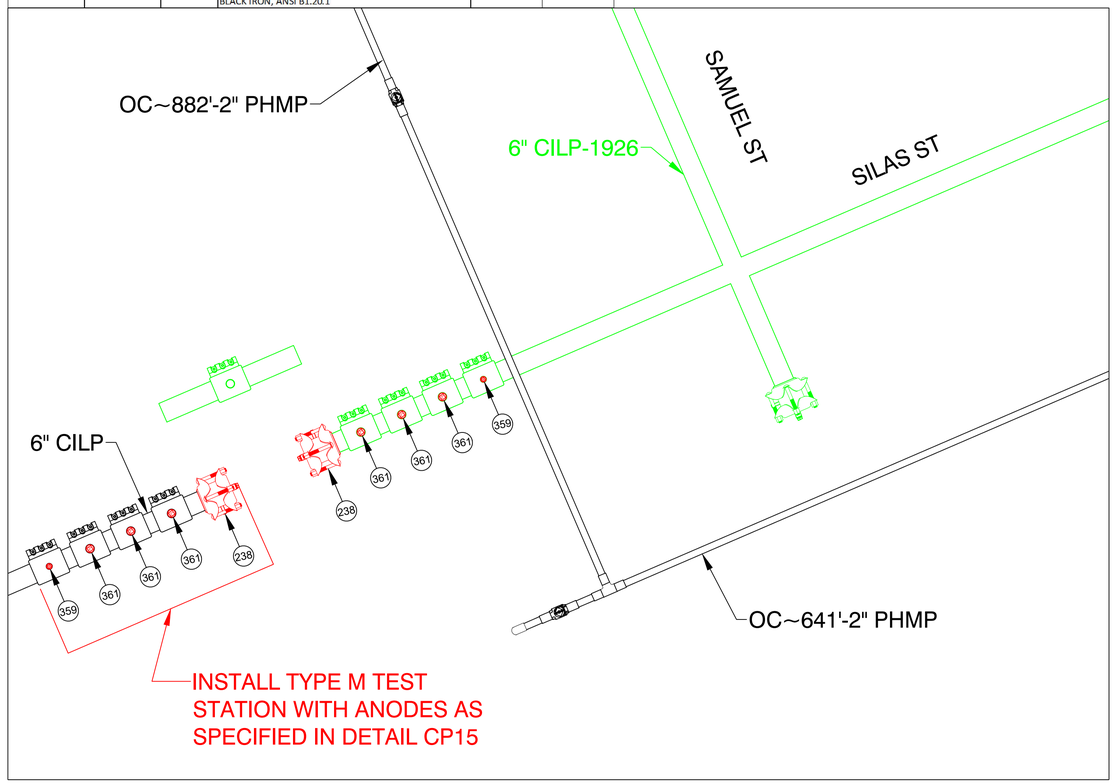
Attachment: MA-SPR-PIP-25-019 - Fisher St - IFR Drawing - REVA (8323 : Eversource Gas - Fisher St.)

FISHER ST-OPTIMAIN, SPRINGFIELD, MA				DETAIL "E" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
230	63462155	542982	CLAMP,PIPE, REPAIR, 6 IN CIP, SS, W/1-1/4 NPT TAP, FOR 6.84 - 7.24 IN PIPE	2	EA
232	63462159	578022	FITTING,CLAMP, SERVI-SEAL REPAIR, 6 IN DIA, 9 IN LG, W/ 2 IN OUTLET, FOR CAST IRON PIPE	7	EA
29	63078441	560705	TEE,PIPE, 2 IN IPS SDR 11, BUTT ENDS, POLYETHYLENE, P100	1	EA
33	14281726	562087	VALVE,BALL, 2 IN IPS, POLYETHYLENE, SDR 11, BUTT WELD, W/ FULL PORT OPENING	2	EA
8	63078024	542572	CAP,PIPE, 2 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	1	EA



PREPARATORY TIE-IN DETAIL E
NOT TO SCALE

FISHER ST-OPTIMAIN, SPRINGFIELD, MA				DETAIL "E" FINAL	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
238	63481013	610399	FITTING,CAP, LINE, INSULATED, 6 IN, 6.90 IN OD, CI, W/ ANODE, FOR CI PIPE, CMA 21128001	2	EA
359	19080285	554877	PLUG,PIPE, SQUARE HEAD, SOLID, 1-1/4 IN, THREADED END, BLACK IRON, ANSI B1.20.1	2	EA
361	19080340	554878	PLUG,PIPE, SQUARE HEAD, SOLID, 2 IN, THREADED END, BLACK IRON, ANSI B1.20.1	6	EA



FINAL TIE-IN DETAIL E
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No.	Description	Date	Dw/Ck
B	REVISED PER EGMA COMMENTS	09/18/24	KMQ/AS
A	ISSUED FOR REVIEW	08/29/24	TJ/AS

Revision/Status

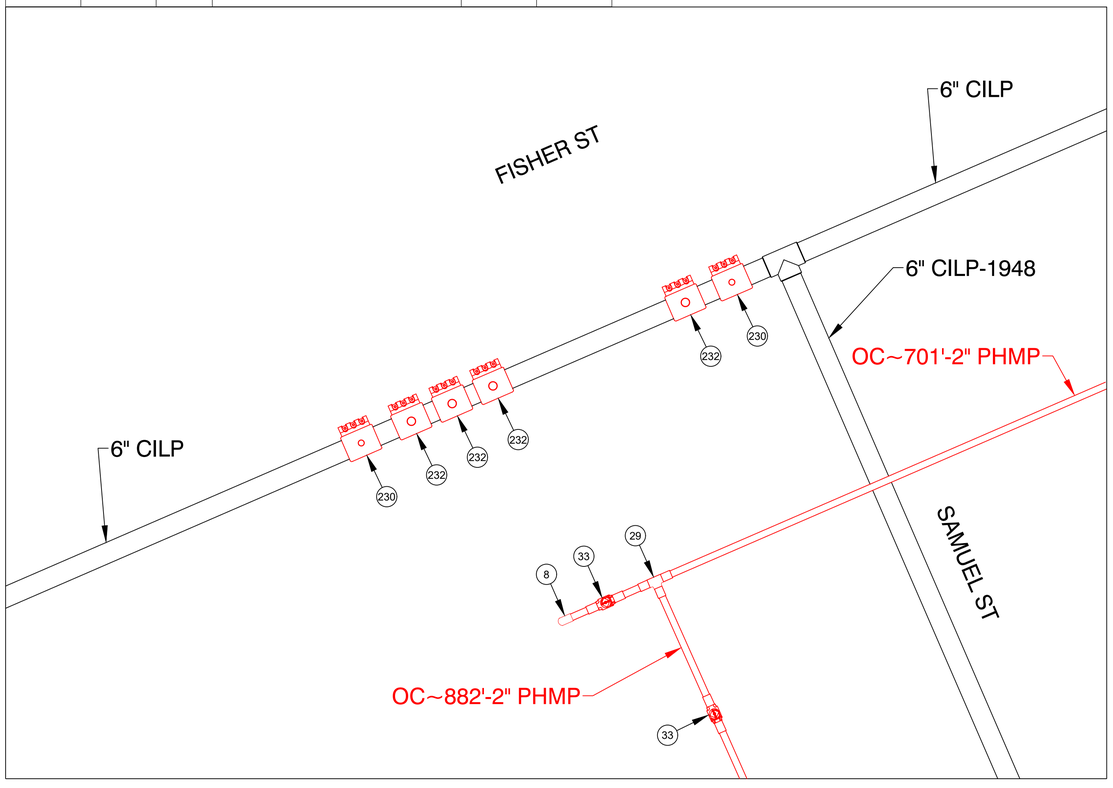
EVERSOURCE ENERGY

FISHER ST-OPTIMAIN, SPRINGFIELD, MA
PROJECT # 23EG054 / WORK ORDER # 14870774
PREPARATORY AND FINAL TIE-IN DETAILS
SCALE: 1"=30' ON 22"X34" SHEET 13 OF 23

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
TLJ 08/15/2024	AS 08/22/2024	MA-SPR-PIP-24-019-13	B

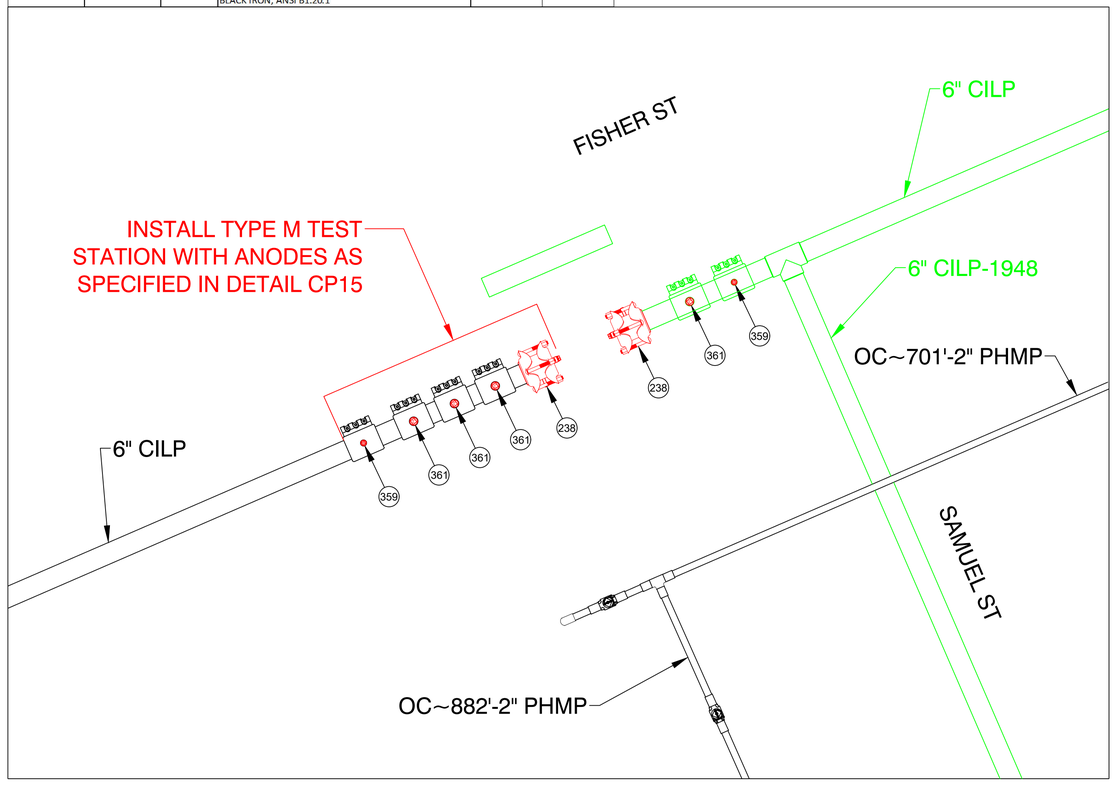
Fisher St - Optimain Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
C:\users\kquinton\projectwise\fsl\d0396426\
Sep 19, 2024 - 8:14am
Attachment: MA-SPR-PIP-25-019 - Fisher St - IFR Drawing - REVA (8323 : Eversource Gas - Fisher St.)

FISHER ST-OPTIMAIN, SPRINGFIELD, MA					DETAIL "F" PREPARATORY
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
230	63462155	542982	CLAMP,PIPE, REPAIR, 6 IN CIP, SS, W/1-1/4 NPT TAP, FOR 6.84 - 7.24 IN PIPE	2	EA
232	63462159	578022	FITTING,CLAMP, SERVI-SEAL REPAIR, 6 IN DIA, 9 IN LG, W/ 2 IN OUTLET, FOR CAST IRON PIPE	4	EA
29	63078441	560705	TEE,PIPE, 2 IN IPS SDR 11, BUTT ENDS, POLYETHYLENE, P100	1	EA
33	14281726	562087	VALVE,BALL, 2 IN IPS, POLYETHYLENE, SDR 11, BUTT WELD, W/ FULL PORT OPENING	2	EA
8	63078024	542572	CAP,PIPE, 2 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	1	EA



PREPARATORY TIE-IN DETAIL F
NOT TO SCALE

FISHER ST-OPTIMAIN, SPRINGFIELD, MA					DETAIL "F" FINAL
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
238	63481013	610399	FITTING,CAP, LINE, INSULATED, 6 IN, 6.90 IN OD, CI, W/ ANODE, FOR CI PIPE, CMA 21128001	2	EA
359	19080285	554877	PLUG,PIPE, SQUARE HEAD, SOLID, 1-1/4 IN, THREADED END, BLACK IRON, ANSI B1.20.1	2	EA
361	19080340	554878	PLUG,PIPE, SQUARE HEAD, SOLID, 2 IN, THREADED END, BLACK IRON, ANSI B1.20.1	4	EA



FINAL TIE-IN DETAIL F
NOT TO SCALE

ISSUED FOR REVIEW

TRC
215 GREENFIELD PKY | Suite 102 | LIVERPOOL, NY 13088

811 Know what's below. Call before you dig.

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
B	REVISED PER EGMA COMMENTS	09/18/24	KMQ/AS
A	ISSUED FOR REVIEW	08/29/24	TJ/AS

Revision/Status

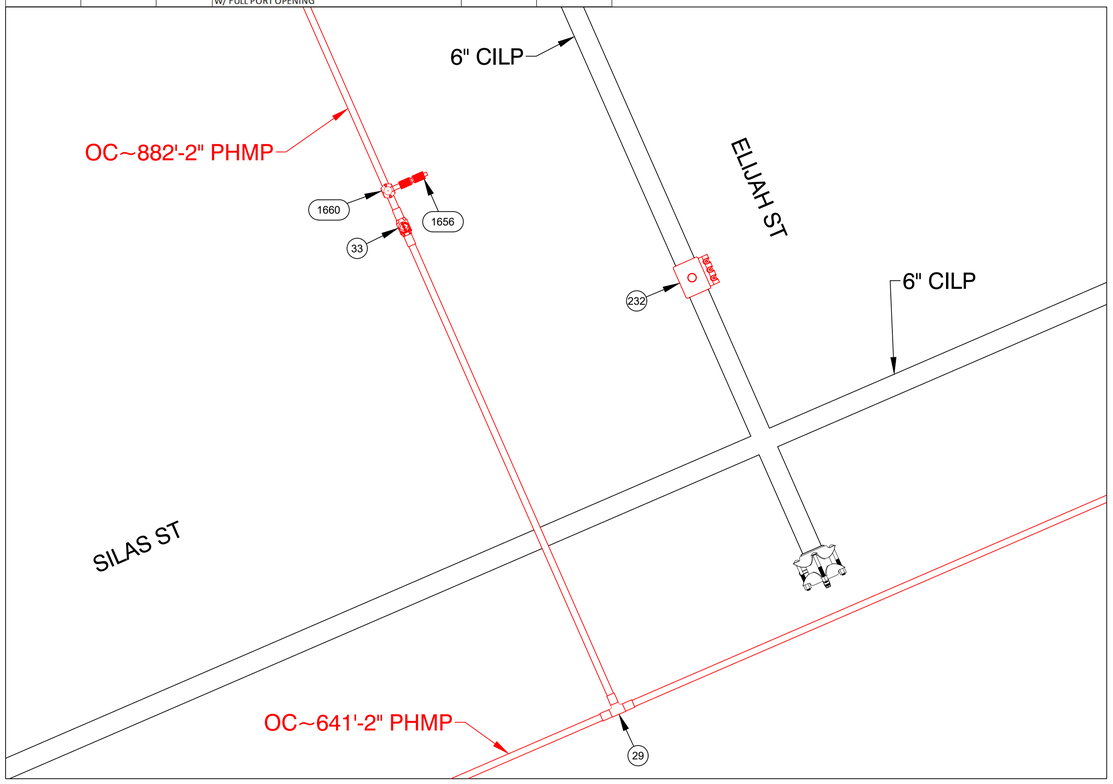
EVERSOURCE ENERGY

FISHER ST-OPTIMAIN, SPRINGFIELD, MA
PROJECT # 23EG054 / WORK ORDER # 14870774
PREPARATORY AND FINAL TIE-IN DETAILS
SCALE: 1"=30' ON 22"X34" SHEET 14 OF 23

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
TLJ 08/15/2024	AS 08/22/2024	MA-SPR-PIP-24-019-14	B

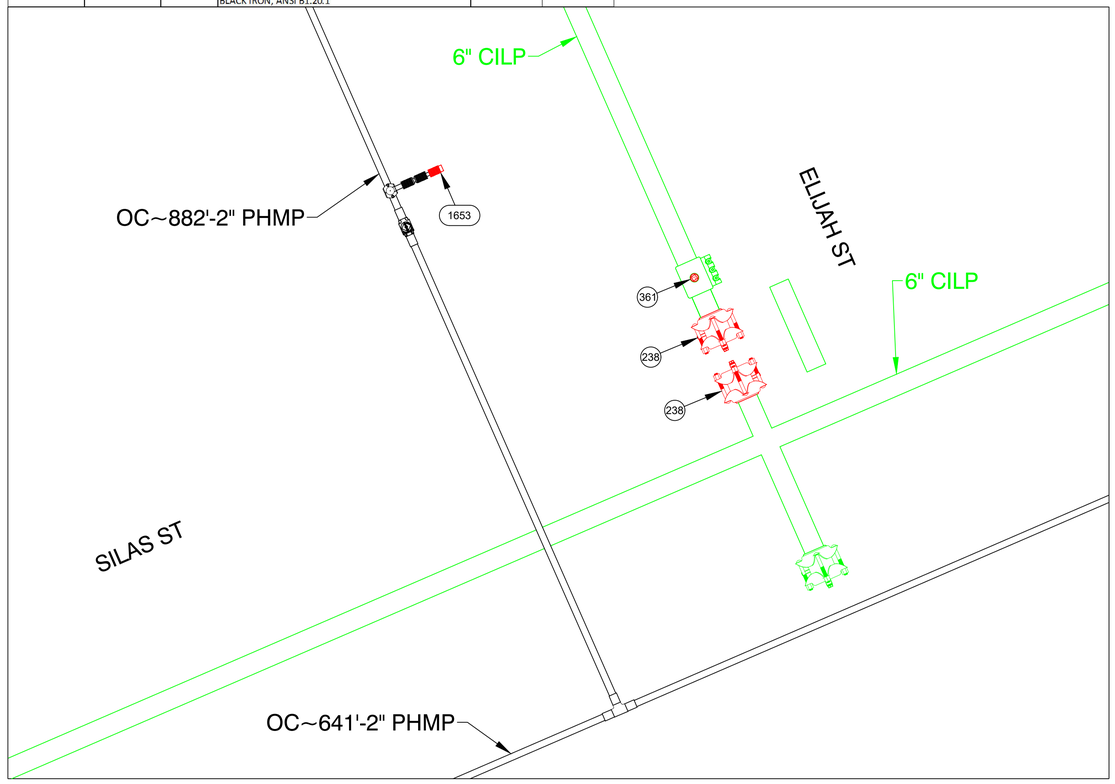
Fisher St - Optimain Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
C:\users\kquinton\projectwise\ws\d0396426\
Sep 19, 2024 - 8:14am
Attachment: MA-SPR-PIP-25-019 - Fisher St - IFR Drawing - REVA (8323 : Eversource Gas - Fisher St.)

FISHER ST-OPTIMAIN, SPRINGFIELD, MA				DETAIL "G" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1656	MCJUREMA-000	620089	FITTING,COUPLING, PIPE, LYCOFIT, 1 IN IPS SDR11, PLASTIC	1	EA
1660	MCJUREMA-000	602892	FITTING,TEE, 2 IN IPS X 1 IN IPS, ELECTROFUSION, HDPE, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	1	EA
232	63462159	578022	FITTING,CLAMP, SERVI-SEAL REPAIR, 6 IN DIA, 9 IN LG, W/ 2 IN OUTLET, FOR CAST IRON PIPE	1	EA
29	63078441	560705	TEE,PIPE, 2 IN IPS SDR 11, BUTT ENDS, POLYETHYLENE, P100	1	EA
33	14281726	562087	VALVE,BALL, 2 IN IPS, POLYETHYLENE, SDR 11, BUTT WELD, W/ FULL PORT OPENING	1	EA



PREPARATORY TIE-IN DETAIL G
NOT TO SCALE

FISHER ST-OPTIMAIN, SPRINGFIELD, MA				DETAIL "G" FINAL	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1653	MCJUREMA-000	620808	FITTING,CAP, LYCOFIT, 1 IN IPS SDR 11, PLASTIC, ASTM F1924	1	EA
238	63481013	610399	FITTING,CAP, LINE, INSULATED, 6 IN, 6.90 IN OD, CI, W/ ANODE, FOR CI PIPE, CMA 21128001	2	EA
361	19080340	554878	PLUG,PIPE, SQUARE HEAD, SOLID, 2 IN, THREADED END, BLACK IRON, ANSI B1.20.1	1	EA



FINAL TIE-IN DETAIL G
NOT TO SCALE

ISSUED FOR REVIEW

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811 Know what's below. Call before you dig.

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
B	REVISED PER EGMA COMMENTS	09/18/24	KMQ/AS
A	ISSUED FOR REVIEW	08/29/24	TJ/AS

Revision/Status

EVERSOURCE ENERGY

FISHER ST-OPTIMAIN, SPRINGFIELD, MA

PROJECT # 23EG054 / WORK ORDER # 14870774

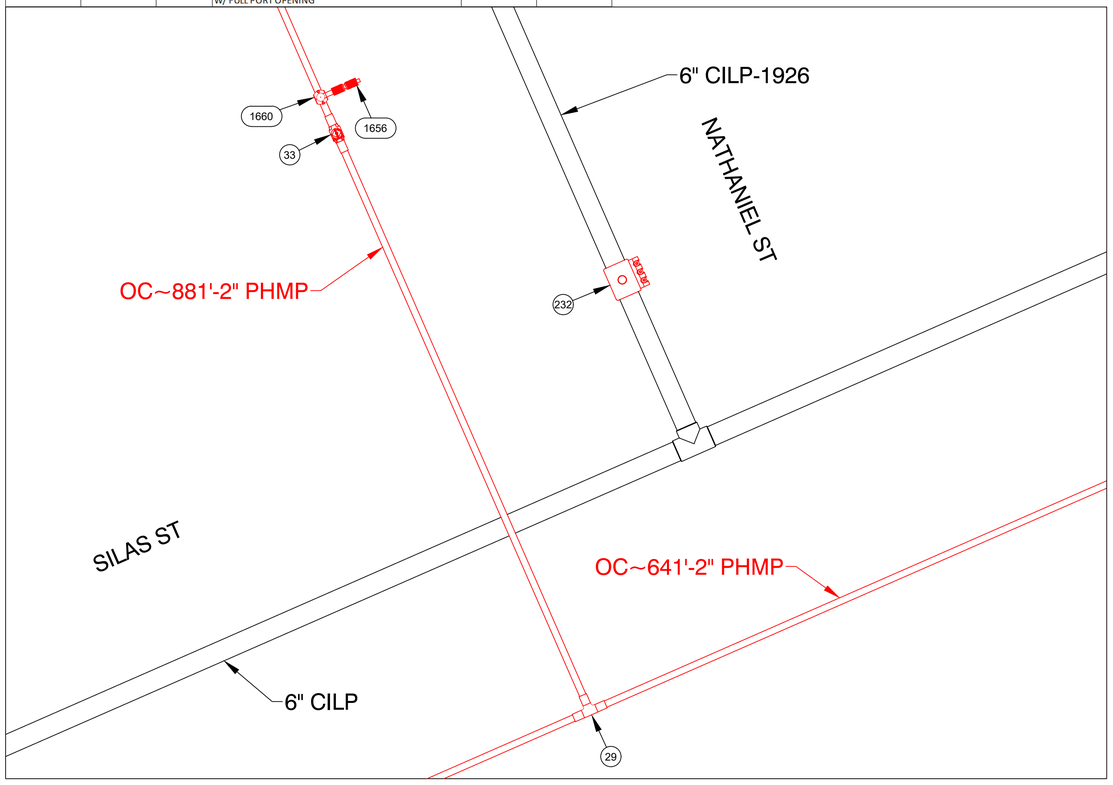
PREPARATORY AND FINAL TIE-IN DETAILS

SCALE: 1"=30' ON 22"X34" SHEET 15 OF 23

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
TLJ 08/15/2024	AS 08/22/2024	MA-SPR-PIP-24-019-15	B

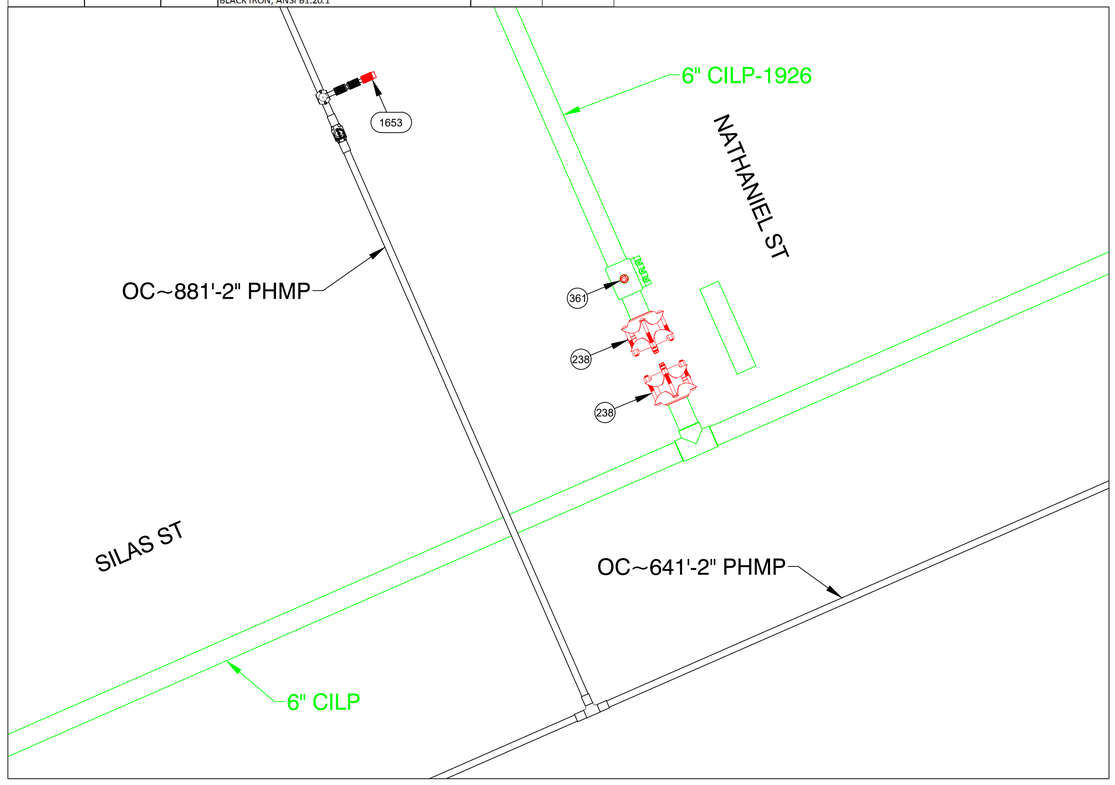
Fisher St - Optimain Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
C:\users\kquinton\projectwise\sfs\d03964261
Sep 19, 2024 - 8:14am
Attachment: MA-SPR-PIP-25-019 - Fisher St - IFR Drawing - REVA (8323 : Eversource Gas - Fisher St.)

FISHER ST-OPTIMAIN, SPRINGFIELD, MA				DETAIL "H" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1656	MCJUREMA-000	620089	FITTING,COUPLING, PIPE, LYCOFIT, 1 IN IPS SDR11, PLASTIC	1	EA
1660	MCJUREMA-000	602892	FITTING,TEE, 2 IN IPS X 1 IN IPS, ELECTROFUSION, HDPE, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	1	EA
232	63462159	578022	FITTING,CLAMP, SERVI-SEAL REPAIR, 6 IN DIA, 9 IN LG, W/ 2 IN OUTLET, FOR CAST IRON PIPE	1	EA
29	63078441	560705	TEE,PIPE, 2 IN IPS SDR 11, BUTT ENDS, POLYETHYLENE, P100	1	EA
33	14281726	562087	VALVE,BALL, 2 IN IPS, POLYETHYLENE, SDR 11, BUTT WELD, W/ FULL PORT OPENING	1	EA



PREPARATORY TIE-IN DETAIL H
NOT TO SCALE

FISHER ST-OPTIMAIN, SPRINGFIELD, MA				DETAIL "H" FINAL	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1653	MCJUREMA-000	620808	FITTING,CAP, LYCOFIT, 1 IN IPS SDR 11, PLASTIC, ASTM F1924	1	EA
238	63481013	610399	FITTING,CAP, LINE, INSULATED, 6 IN, 6.90 IN OD, CI, W/ ANODE, FOR CI PIPE, CMA 21128001	2	EA
361	19080340	554878	PLUG,PIPE, SQUARE HEAD, SOLID, 2 IN, THREADED END, BLACK IRON, ANSI B1.20.1	1	EA



FINAL TIE-IN DETAIL H
NOT TO SCALE

ISSUED FOR REVIEW

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811
Know what's below.
Call before you dig.

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
B	REVISED PER EGMA COMMENTS	09/18/24	KMQ/AS
A	ISSUED FOR REVIEW	08/29/24	TJ/AS

Revision/Status

EVERSOURCE ENERGY

FISHER ST-OPTIMAIN, SPRINGFIELD, MA
PROJECT # 23EG054 / WORK ORDER # 14870774
PREPARATORY AND FINAL TIE-IN DETAILS
SCALE: 1"=30' ON 22"X34" SHEET 16 OF 23

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
TLJ 08/15/2024	AS 08/22/2024	MA-SPR-PIP-24-019-16	B

Fisher St - Optimain Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
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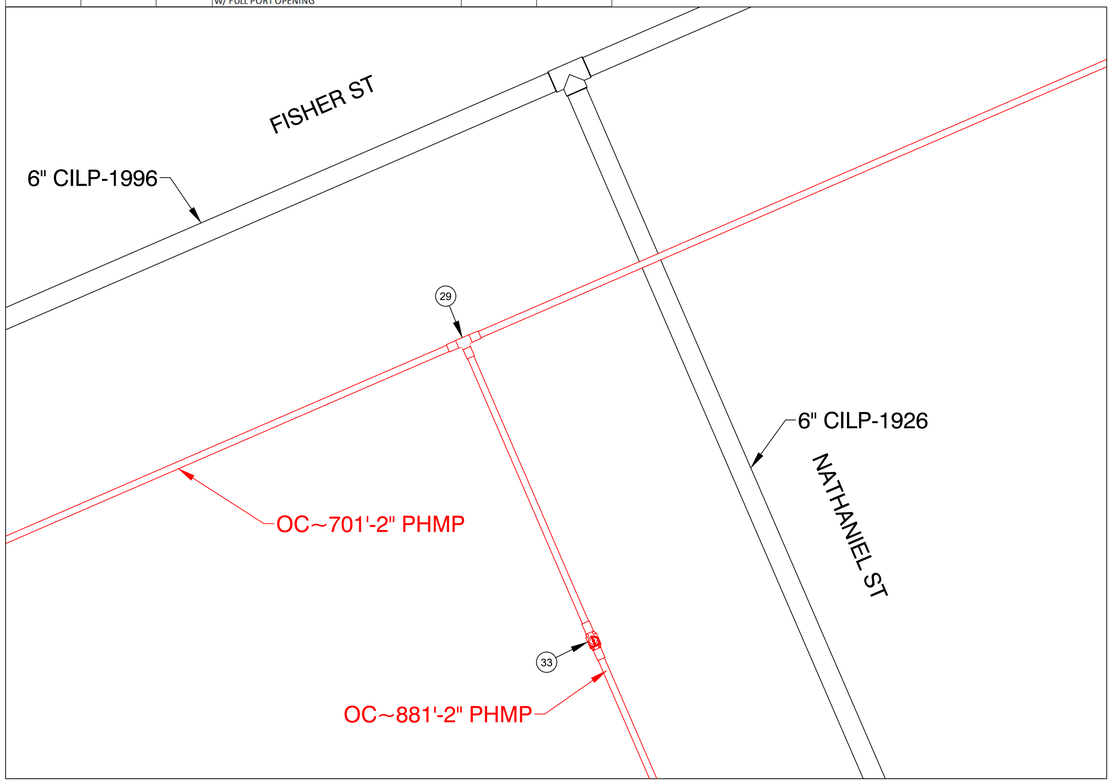
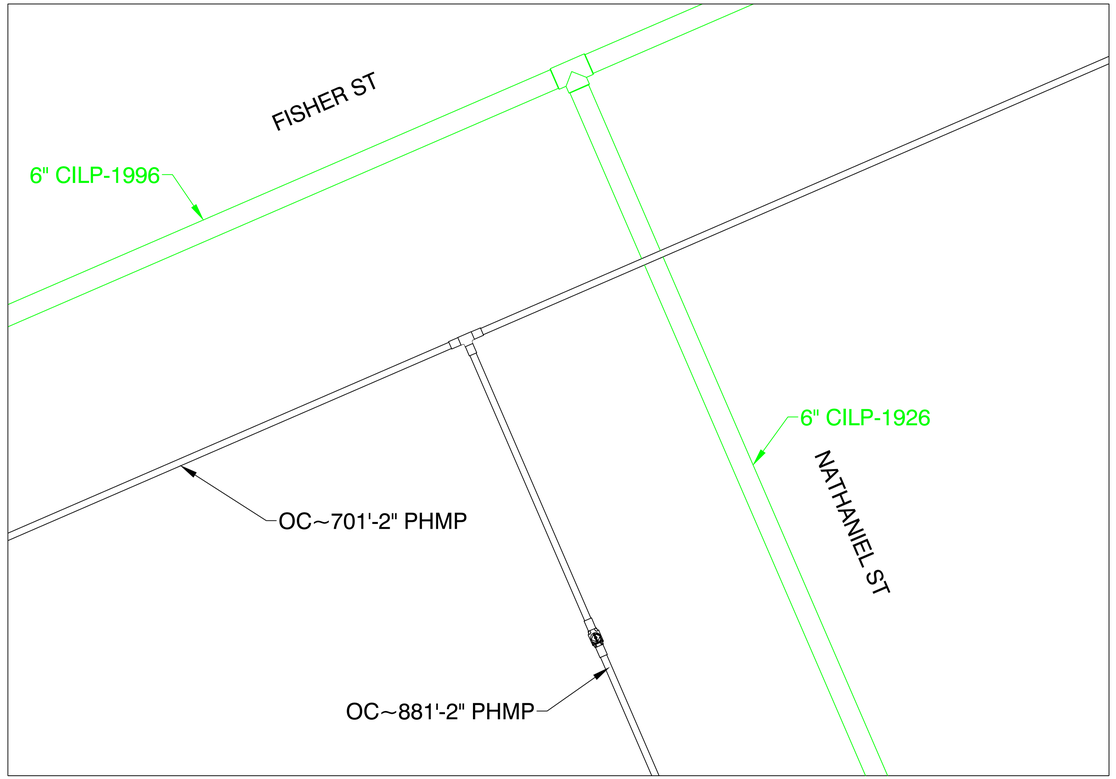
Sep 19, 2024 - 8:14am
Attachment: MA-SPR-PIP-25-019 - Fisher St - IFR Drawing - REVA (8323 : Eversource Gas - Fisher St.)

FISHER ST-OPTIMAIN, SPRINGFIELD, MA					DETAIL "I" PREPARATORY
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
29	63078441	560705	TEE,PIPE, 2 IN IPS SDR 11, BUTT ENDS, POLYETHYLENE, P100	1	EA
33	14281726	562087	VALVE,BALL, 2 IN IPS, POLYETHYLENE, SDR 11, BUTT WELD, W/ FULL PORT OPENING	1	EA



PREPARATORY TIE-IN DETAIL I
NOT TO SCALE



FINAL TIE-IN DETAIL I
NOT TO SCALE

ISSUED FOR REVIEW

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811 Know what's below. Call before you dig.

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
B	REVISED PER EGMA COMMENTS	09/18/24	KMQ/AS
A	ISSUED FOR REVIEW	08/29/24	TJ/AS

Revision/Status

EVERSOURCE ENERGY

FISHER ST-OPTIMAIN, SPRINGFIELD, MA
PROJECT # 23EG054 / WORK ORDER # 14870774
PREPARATORY AND FINAL TIE-IN DETAILS
SCALE: 1"=30' ON 22"X34" SHEET 17 OF 23

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
TLJ 08/15/2024	AS 08/22/2024	MA-SPR-PIP-24-019-17	B

Fisher St - Optimain Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
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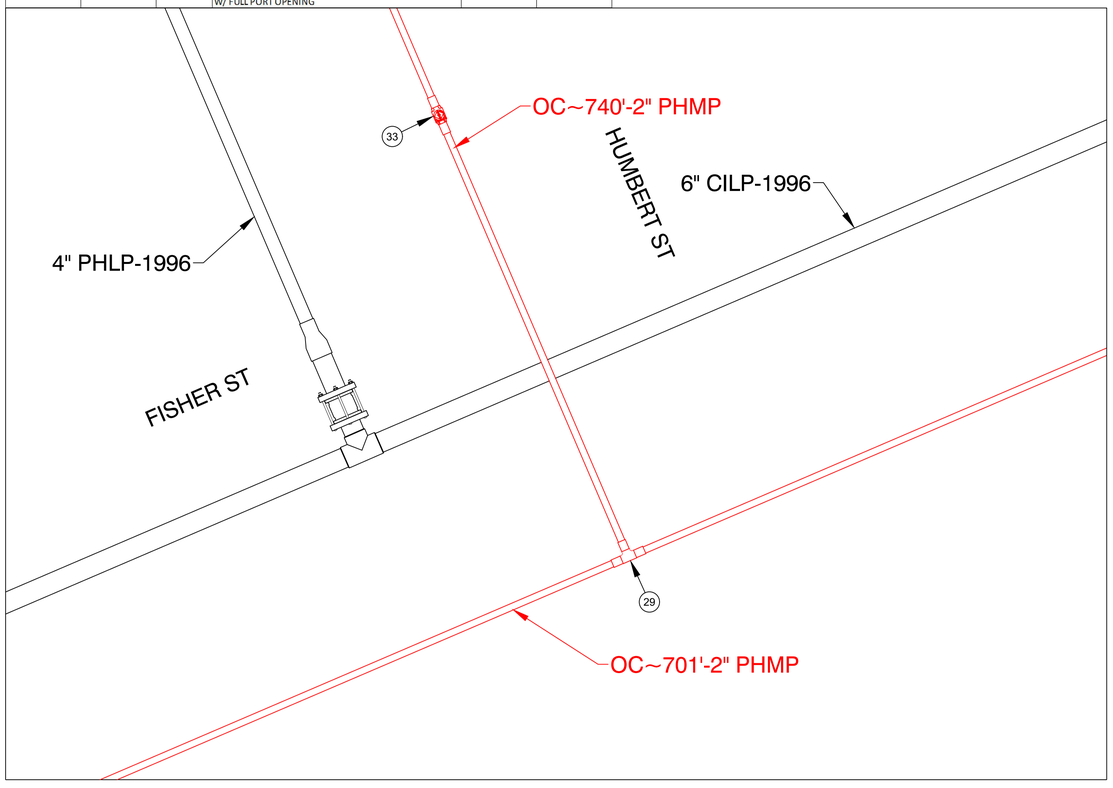
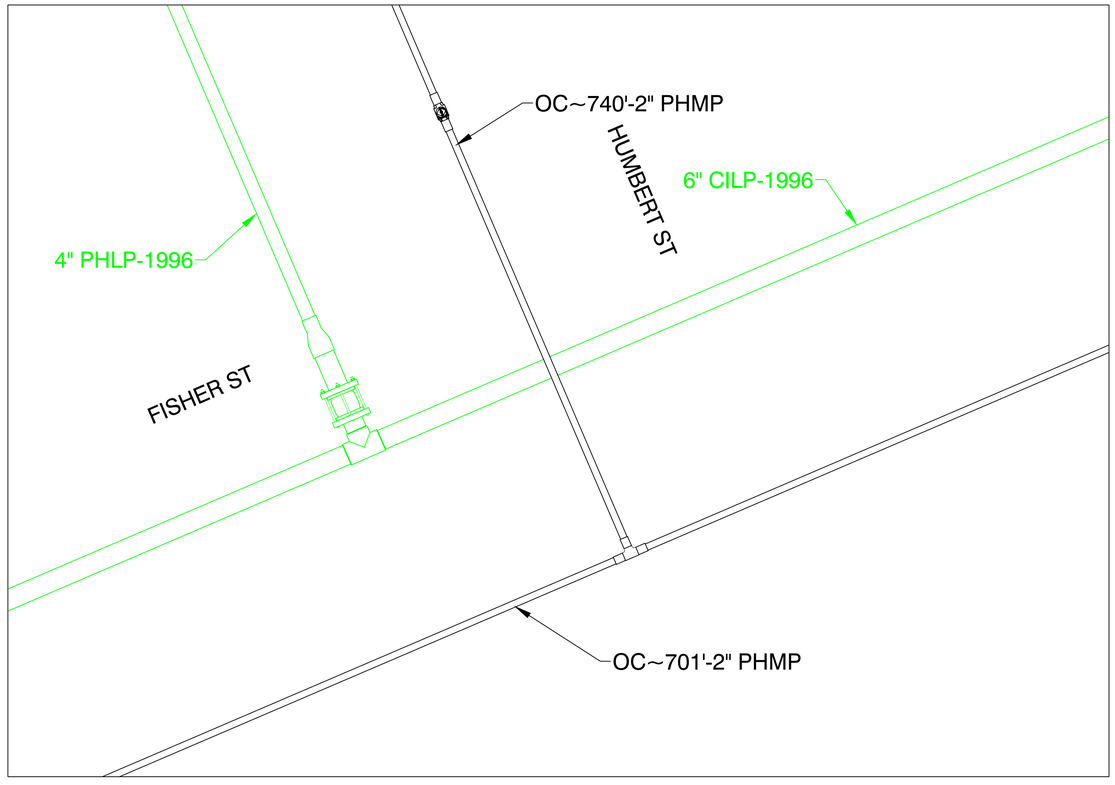
Sep 19, 2024 - 8:14am
Attachment: MA-SPR-PIP-25-019 - Fisher St - IFR Drawing - REVA (8323 : Eversource Gas - Fisher St.)

FISHER ST-OPTIMAIN, SPRINGFIELD, MA					DETAIL "J" PREPARATORY
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
29	63078441	560705	TEE,PIPE, 2 IN IPS SDR 11, BUTT ENDS, POLYETHYLENE, P100	1	EA
33	14281726	562087	VALVE,BALL, 2 IN IPS, POLYETHYLENE, SDR 11, BUTT WELD, W/ FULL PORT OPENING	1	EA



PREPARATORY TIE-IN DETAIL J
NOT TO SCALE



FINAL TIE-IN DETAIL J
NOT TO SCALE

ISSUED FOR REVIEW

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811 Know what's below. Call before you dig.

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
B	REVISED PER EGMA COMMENTS	09/18/24	KMQ/AS
A	ISSUED FOR REVIEW	08/29/24	TJ/AS

Revision/Status

EVERSOURCE ENERGY

FISHER ST-OPTIMAIN, SPRINGFIELD, MA
PROJECT # 23EG054 / WORK ORDER # 14870774
PREPARATORY AND FINAL TIE-IN DETAILS
SCALE: 1"=30' ON 22"X34" SHEET 18 OF 23

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
TLJ 08/15/2024	AS 08/22/2024	MA-SPR-PIP-24-019-18	B

Fisher St - Optimain Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
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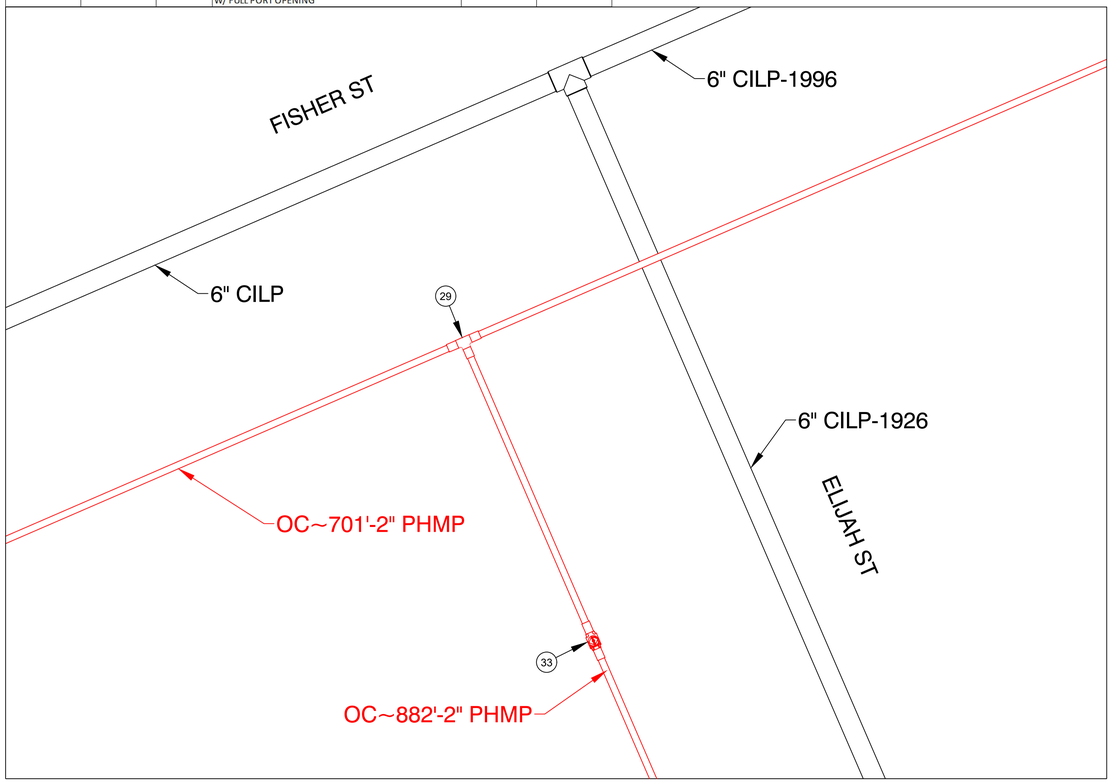
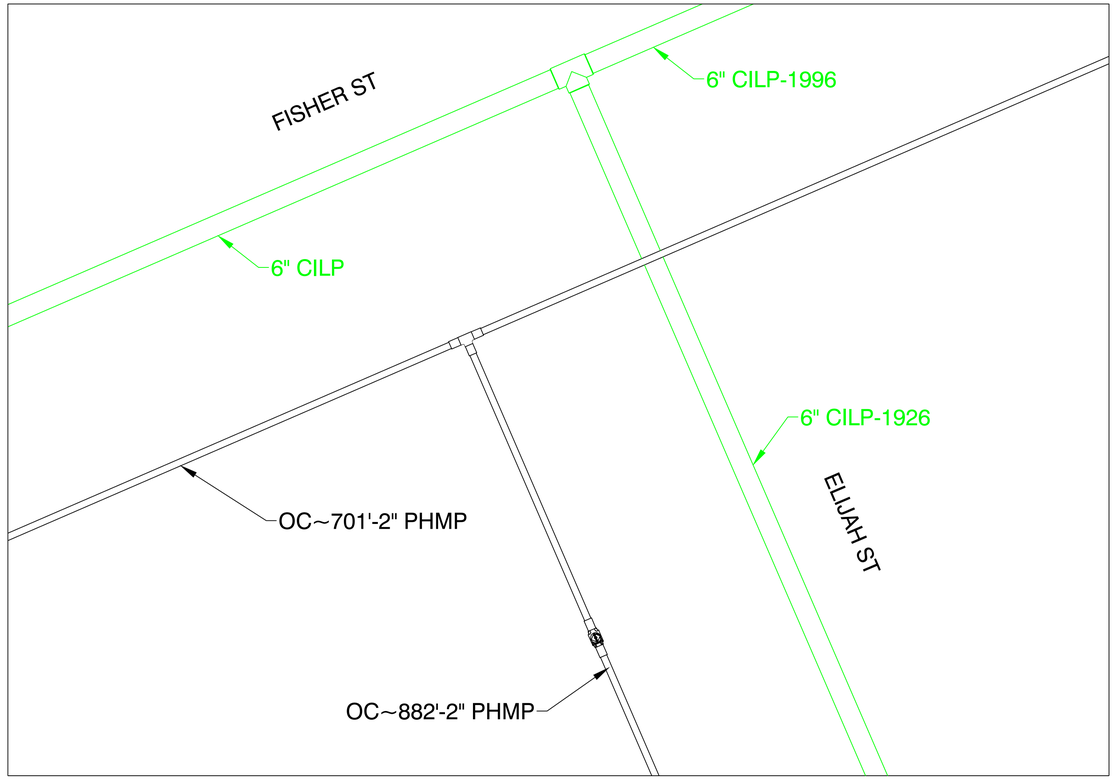
Sep 19, 2024 - 8:14am
Attachment: MA-SPR-PIP-25-019 - Fisher St - IFR Drawing - REVA (8323 : Eversource Gas - Fisher St.)

FISHER ST-OPTIMAIN, SPRINGFIELD, MA					DETAIL "K" PREPARATORY
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
29	63078441	560705	TEE,PIPE, 2 IN IPS SDR 11, BUTT ENDS, POLYETHYLENE, P100	1	EA
33	14281726	562087	VALVE,BALL, 2 IN IPS, POLYETHYLENE, SDR 11, BUTT WELD, W/ FULL PORT OPENING	1	EA



PREPARATORY TIE-IN DETAIL K
NOT TO SCALE



FINAL TIE-IN DETAIL K
NOT TO SCALE

ISSUED FOR REVIEW

TRC
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811 Know what's below. Call before you dig.

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
B	REVISED PER EGMA COMMENTS	09/18/24	KMQ/AS
A	ISSUED FOR REVIEW	08/29/24	TJ/AS

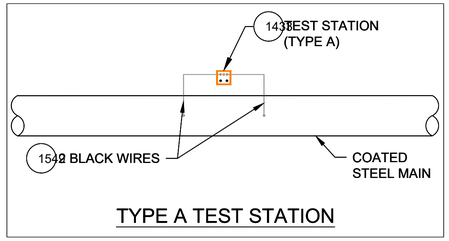
Revision/Status

EVERSOURCE ENERGY

FISHER ST-OPTIMAIN, SPRINGFIELD, MA
PROJECT # 23EG054 / WORK ORDER # 14870774
PREPARATORY AND FINAL TIE-IN DETAILS
SCALE: 1"=30' ON 22"X34" SHEET 19 OF 23

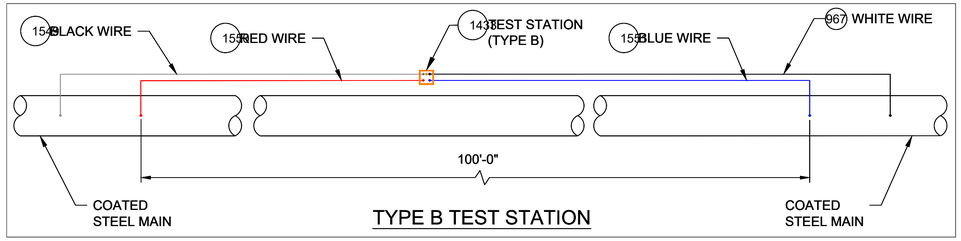
Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
TLJ 08/15/2024	AS 08/22/2024	MA-SPR-PIP-24-019-19	B

Fisher St - Optimain Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
C:\users\kquinton\projectwise\fsl\d0396426\
Sep 19, 2024 - 8:14am
Attachment: MA-SPR-PIP-25-019 - Fisher St - IFR Drawing - REVA (8323 : Eversource Gas - Fisher St.)



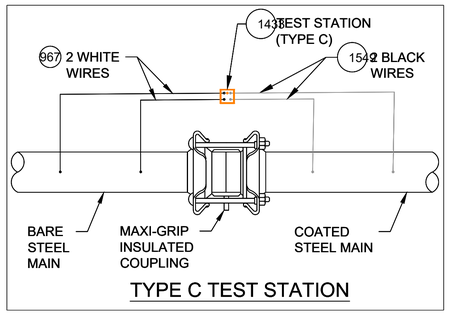
TYPE A TEST STATION

DETAIL CP1
SCALE: 1/2" = 1'-0"



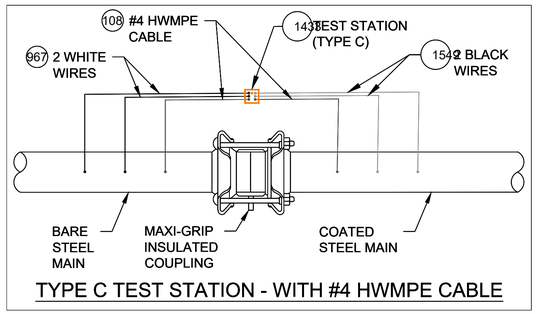
TYPE B TEST STATION

DETAIL CP2
SCALE: 1/2" = 1'-0"



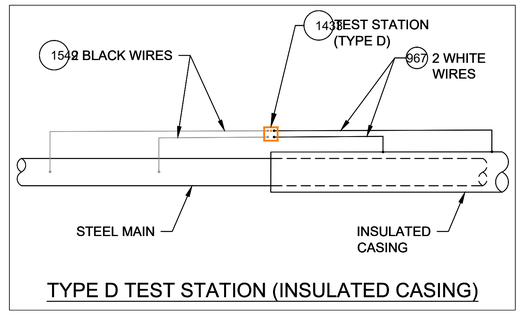
TYPE C TEST STATION

DETAIL CP3
SCALE: 1/2" = 1'-0"



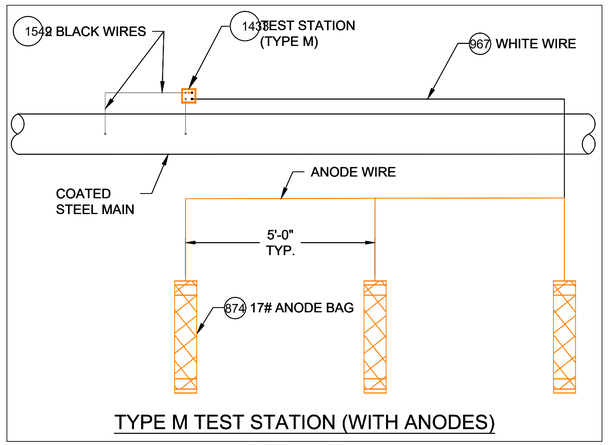
TYPE C TEST STATION - WITH #4 HWMPE CABLE

DETAIL CP4
SCALE: 1/2" = 1'-0"



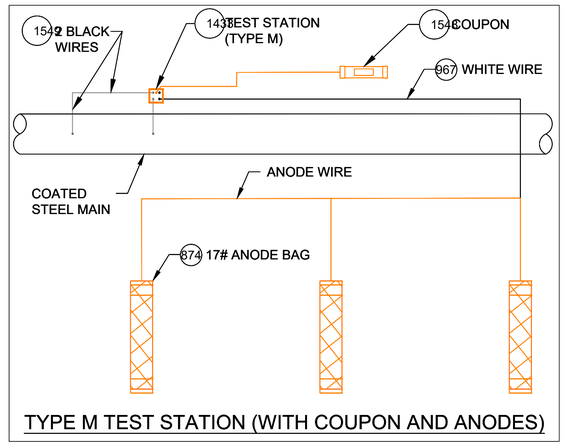
TYPE D TEST STATION (INSULATED CASING)

DETAIL CP5
SCALE: 1/2" = 1'-0"



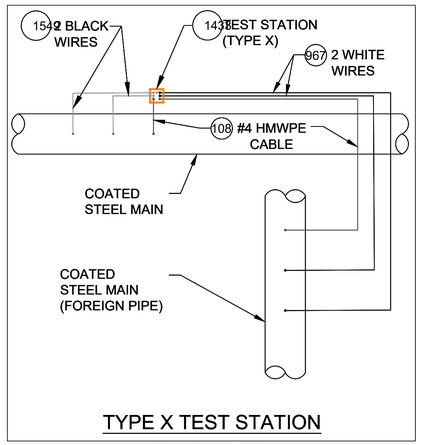
TYPE M TEST STATION (WITH ANODES)

DETAIL CP6
SCALE: 1/2" = 1'-0"



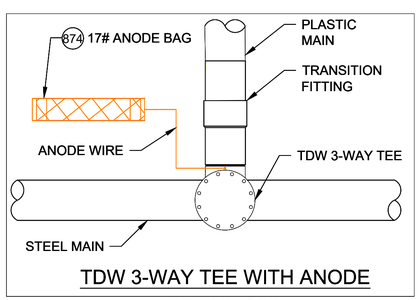
TYPE M TEST STATION (WITH COUPON AND ANODES)

DETAIL CP7
SCALE: 1/2" = 1'-0"



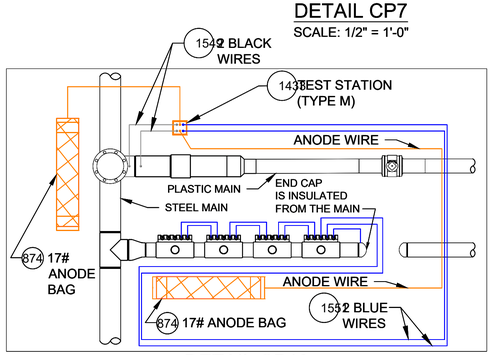
TYPE X TEST STATION

DETAIL CP8
SCALE: 1/2" = 1'-0"

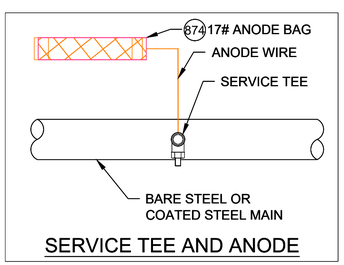


TDW 3-WAY TEE WITH ANODE

DETAIL CP9
SCALE: 1/2" = 1'-0"



DETAIL CP10
SCALE: 1/2" = 1'-0"



SERVICE TEE AND ANODE

DETAIL CP11
SCALE: 1/2" = 1'-0"

CATHODIC PROTECTION BILL OF MATERIALS MASTER BOM

Item	Maximo No.	Description	Units
25	500804	WELDER,THERMITE, THERMITE, FOR GAS PIPE, #12 CABLE,HORIZONTAL STEEL PIPE 4 IN AND LARGER DIAMETER	EA
26	500805	WELDER,THERMITE, THERMITE, FOR GAS PIPE, #12 CABLE, HORIZONTAL STEEL PIPE 3/4 - 3-1/2 IN DIAMETER	EA
69	503673	TAPE,WAX, 9 FT LG X 4 IN W, 24 ROLLS/CS, ABOVE AND BELOW GROUND APPLICATIONS, TR-#2A WAX, ALUMINUM	ROLL
95	505818	ANODE,BAG, 2.5 X 2.5 X 4.5 IN, 10 FT LG, 3 LB, MAGNESIUM	EA
101	508567	POWDER, CARTRIDGE, TYPE IS F-33, ALLOY , CAP COLOR CLEAR, 15 GM CHARGE, 20/PAC, FOR STEEL PIPE	BOX
102	508572	PRIMER, 4 GAL/CASE, BROWN, FOR WAX TAPE, APPLICATION TEMP 0 TO 230 F, TEMCOAT 3000	EA
108	513850	CABLE, INSULATED, CATHODIC PROTECTION, 1/C, #4 AWG, 7 STR, 600 V, BLACK, HMWPE, CU, 1000 FT ROLLS	FT
116	517626	CONNECTOR, SPLIT BOLT, 12 SOLID - 10 STRANDED, CU TO CU, HOUSING (COVER) MATE IN 590389,	EA
657	559168	SLEEVE,ELECTRICAL, #14 TO 10 AWG, W/ THERMITE WELDER, FOR CATHODIC PROTECTION	EA
874	577776	ANODE,BAG, 17 LB NET, HIGH POTENTIAL MAGNESIUM, W/ 10 FT #10 AWG TW ORANGE LEAD WIRE, PACKED IN CARDBOARD BOX 42 LB TOTAL WEIGHT	EA
967	578415	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, WHITE, INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
1219	584045	EDI CONCENTRIC COUPON ASSEMBLY INCLUDING UCB-ZIN-LW010, 10 FT OF CABLE	ES
1418	590389	HOUSING, 50 V MAX, 10 AWG MAX, FOR PROTECTING TRACER WIRE SPLICES, USED WITH CONNECTOR IN 517626. 10/BAG	EA
1433	590871	BOX VALVE, TEST STATION, CP TEST #178, 10-1/4 IN DIA. LID, 8-3/8 IN I.D. 16 IN H., ASTM A48 CL 25 CAST IRON, FOR OFF-ROAD USE ONLY	EA
1548	603126	EDI CONCENTRIC COUPON ASSEMBLY INCLUDING UCB-ZIN-LW025, 25 FT OF CABLE	ES
1549	603139	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, BLACK, INSULATED, CU, 500 FT SPOOL,WIRE	ROLL
1550	603140	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, RED, INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
1551	603141	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, BLUE INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
1565	603423	TAPE,WAX, 9 FT LG X 6 IN W X 70-90 MIL THK, 16 ROLLS/CS, ABOVE AND BELOW GROUND APPLICATIONS, TR-#2A WAX, ALUMINUM	ROLL
1573	603769	TRENTON-FILL POR PM-GP,140 FA, FOR FILLING VOIDS & IRREGULAR SPACES PRIOR TO WRAPPING W/WAX TAPE, 0F TO 110F APPLICATION TEMPERATURE, 6 BLOCKS/CASE,	CASE
1576	603894	BOX,CORROSION, 18 IN LG, 5 IN DP, CI, W/ 5 TERMINAL, HOOKS, NON-LOCKING LID, YELLOW, LID MARKED 'CP TEST' - CATHODIC PROTECTION, CP TEST BOX	EA
1845	513849	CABLE, INSULATED, CATHODIC PROTECTION, 1/C, #8 AWG, 600 V	EA
1846	584942	WIRE,ELECTRICAL, CATHODIC PROTECTION CABLE, #6, HMWPE INSULATED	EA
1847	583055	ENCAPSULATION KIT, 2 PART, RESIN EPOXY, MOLD BODY, THRU 1 KV, INSULATES AND MOISTURE SEALS WYE CONNECTIONS	EA

NOTES:

1. ALL TEST STATION BOXES SHOULD BE INSTALLED IN A SAFE LOCATION WHERE ONE INDIVIDUAL CAN SAFELY OPEN AND ACCESS THE TEST WIRES. ALL TEST WIRES INSIDE THE BOX SHOULD HAVE ENOUGH SLACK ON THE WIRES SO THEY CAN EXTEND A MINIMUM OF 12" ABOVE GRADE.
2. FOR TYPE A TEST STATIONS, THE TWO WIRES SHOULD BE THERMITE WELDED TO THE COATED STEEL MAIN AND BE THE SAME COLOR. (COUPONS COULD BE ADDED TO THE TEST STATION TYPE).
3. FOR TYPE B TEST STATIONS, EACH OF THE FOUR WIRES SHOULD BE A DIFFERENT COLOR AND DOCUMENTED
4. FOR TYPE C TEST STATIONS, THE WIRES SHOULD BE THE SAME COLOR ON EACH SIDE OF THE INSULATED COUPLING. (ANODES AND/OR COUPONS COULD BE ADDED TO THIS TEST STATION TYPE).
5. FOR TYPE D TEST STATIONS WHICH ARE AT A CASING, WHITE WIRES ARE NORMALLY INSTALLED ON THE STEEL CASING AND BLACK WIRES ARE INSTALLED ON THE CARRIER PIPE. (ANODES AND/OR COUPONS COULD BE ADDED TO THIS TEST STATION TYPE).
6. FOR TYPE M TEST STATIONS, THE TWO WIRES THERMITE WELDED TO THE CARRIER PIPE SHOULD BE THE SAME COLOR WIRE. THERE IS ALSO MAGNESIUM ANODE(S) WIRE(S) LOCATED INSIDE THE TEST STATION BOX.THE WIRE COLOR (TYPICALLY ORANGE) FOR THE ANODES. IF THE ANODE WIRES ARE SPLICED TO A COMMON ANODE HEADER CABLE, THE ANODE HEADER CABLE SHOULD BE A (WHITE OR RED) DIFFERENT COLOR WIRE THAN THE WIRE THAT WAS THERMITE WELDED TO THE CARRIER PIPE. AT A TYPE M TEST STATION, NO MAGNESIUM ANODES SHOULD BE DIRECTLY THERMITE WELDED TO THE CARRIER PIPE OR IN CONTACT WITH THE CARRIER PIPE. THE ANODE HEADER WIRE OR INDIVIDUAL ANODE WIRES SHOULD TERMINATE INSIDE THE TEST STATION BOX. ANODES SHOULD BE SPACED A MINIMUM OF 5' ON CENTER FROM EACH OTHER AND A MINIMUM OF 12" AWAY AND BELOW THE BOTTOM OF THE STEEL MAIN.
7. IF COUPONS ARE TO BE INSTALLED , FIRST REMOVE THE PROTECTIVE LABEL COVERING THE STEEL COUPON AND THE RED STICKERS COVERING EACH SENSING PORT. CLEAN THE ENTIRE STEEL COUPON SURFACE WITH ALCOHOL TO REMOVE THE CORROSION INHIBITOR .PLACE THE COUPON ASSEMBLY APPROXIMATELY 12" FROM THE GAS MAIN BEING MONITORED WITH THE SENSING PORTS FACING THE GAS MAIN. THE COUPON ASSEMBLY SHOULD BE LOCATED ADJACENT TO THE BOTTOM PORTION OF THE GAS MAIN, ANYWHERE BETWEEN 3 O'CLOCK AND 9 O'CLOCK. THE SOIL BETWEEN THE COUPON AND THE MAIN SHOULD BE WELL COMPACTED AND CONTAIN NO ROCKS LARGER THAN A CENTIMETER IN DIAMETER OR FOREIGN MATERIAL.
8. ONE (1) 3# ANODE (MINIMUM) SHALL BE INSTALLED TO PROTECT THE CLAMPS ON EACH 10-FOOT SPAN OF PIPE. EACH 10-FOOT SPAN OF PIPE MUST BE A CONTINUOUS SECTION OF STEEL. CLAMPS ON NON-CONTINUOUS SECTIONS OF STEEL EVEN IF THEY ARE WITHIN 10 FEET OF EACH CANNOT BE PROTECTED BY THE SAME ANODE.
9. REFER TO CONSTRUCTION STANDARD CS-500 SECTION IV.G WHICH PROVIDES GENERAL GUIDANCE REGARDING "WRAPPING" FOR CORROSION PROTECTION. CS-500 SECTION IV.G.5. DESCRIBES THE BASIC STEPS REQUIRED TO WRAP LEAK REPAIR CLAMPS.

NOTE: DETAILS CP-9 AND CP-11 ARE FOR NEW STEEL FITTINGS THAT ARE NOT ELECTRICALLY ISOLATED FROM EXISTING UNPROTECTED STEEL. THESE ANODES ARE DIRECTLY CONNECTED TO THE NEW STEEL FITTING AND THE ANODE MUST BE A MINIMUM OF 2 FEET FROM ANY NEW ISOLATED FITTINGS OR ASSOCIATED ANODES.

SCALE: 1/2" = 1'-0"

No.	Description	Date	Dw/Ck

Revision/Status

FISHER ST-OPTIMAIN, SPRINGFIELD, MA
PROJECT # 23EG054 / WORK ORDER # 14870774
DETAILS, NOTES AND BILL OF MATERIALS

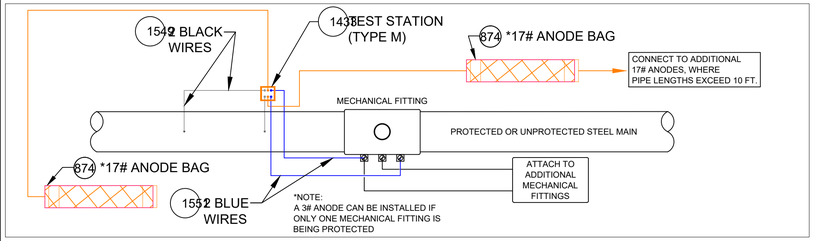
FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

SCALE: NTS SHEET 20 OF 23

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
TLJ 08/15/2024	AS 08/22/2024	MA-SPR-PIP-24-019-20	B

Attachment: MA-SPR-PIP-25-019 - Fisher St - IFR Drawing - REVA (8323 : Eversource Gas - Fisher St.)

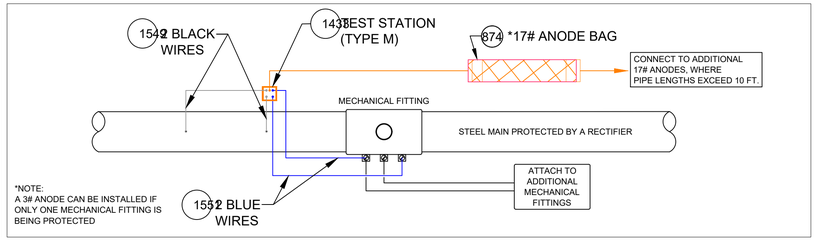
Fisher St - Optimain Pro Drawing Rev0.dwg
C:\users\kquinton\projectwise\fsl\d0396426\



TEST STATION CONNECTION DETAILS FOR MECHANICAL FITTINGS INSTALLED ON A STEEL MAIN

DETAIL CP12

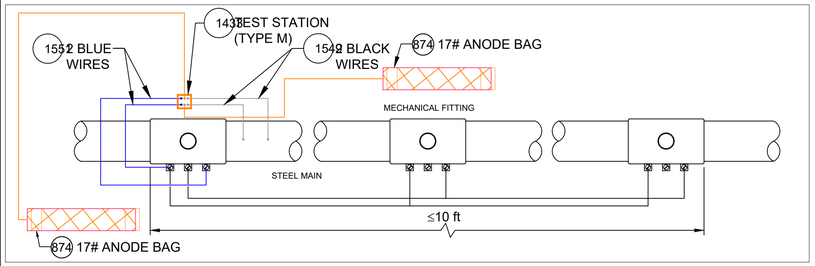
SCALE: 1/2" = 1'-0"



TEST STATION CONNECTION DETAILS FOR MECHANICAL FITTINGS INSTALLED ON STEEL MAIN PROTECTED BY A RECTIFIER

DETAIL CP13

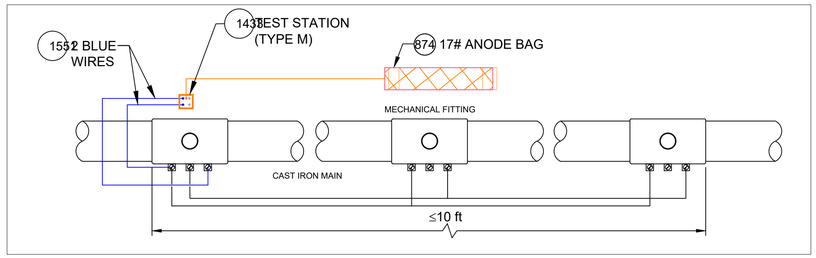
SCALE: 1/2" = 1'-0"



ANODE INSTALLATION FOR MULTIPLE MECHANICAL FITTINGS INSTALLED ON A ELECTRICALLY CONTINUOUS SECTION OF STEEL MAIN

DETAIL CP14

SCALE: 1/2" = 1'-0"



ANODE INSTALLATION FOR MULTIPLE MECHANICAL FITTINGS INSTALLED ON A CAST IRON MAIN

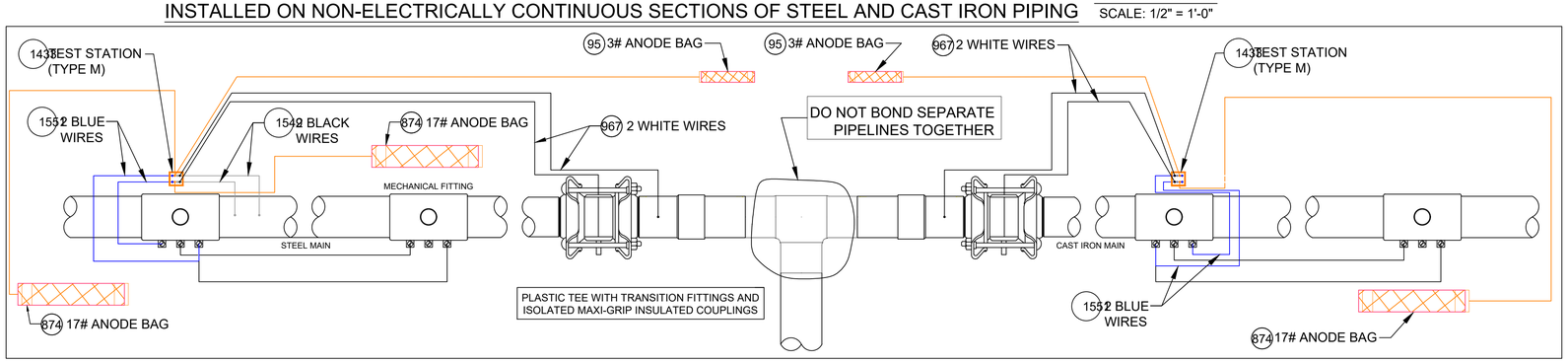
DETAIL CP15

SCALE: 1/2" = 1'-0"

ANODE INSTALLATION FOR MULTIPLE MECHANICAL FITTINGS INSTALLED ON NON-ELECTRICALLY CONTINUOUS SECTIONS OF STEEL AND CAST IRON PIPING

DETAIL CP16

SCALE: 1/2" = 1'-0"



ANODE INSTALLATION FOR MULTIPLE MECHANICAL FITTINGS INSTALLED ON NON-ELECTRICALLY CONTINUOUS SECTIONS OF STEEL AND CAST IRON PIPING

DETAIL CP16A

SCALE: 1/2" = 1'-0"

CATHODIC PROTECTION BILL OF MATERIALS MASTER BOM

Item	Maximo No.	Description	Units
25	500804	WELDER,THERMITE, THERMITE, FOR GAS PIPE, #12 CABLE,HORIZONTAL STEEL PIPE 4 IN AND LARGER DIAMETER	EA
26	500805	WELDER,THERMITE, THERMITE, FOR GAS PIPE, #12 CABLE, HORIZONTAL STEEL PIPE 3/4 - 3-1/2 IN DIAMETER	EA
69	503673	TAPE,WAX, 9 FT LG X 4 IN W, 24 ROLLS/CS, ABOVE AND BELOW GROUND APPLICATIONS, TR-#2A WAX, ALUMINUM	ROLL
95	505818	ANODE,BAG, 2.5 X 2.5 X 4.5 IN, 10 FT LG, 3 LB, MAGNESIUM	EA
101	508567	POWDER, CARTRIDGE, TYPE IS F-33, ALLOY , CAP COLOR CLEAR, 15 GM CHARGE, 20/PAC, FOR STEEL PIPE	BOX
102	508572	PRIMER, 4 GAL/CASE, BROWN, FOR WAX TAPE, APPLICATION TEMP 0 TO 230 F, TEMCOAT 3000	EA
108	513850	CABLE, INSULATED, CATHODIC PROTECTION, 1/C, #4 AWG, 7 STR, 600 V, BLACK, HMWPE, CU, 1000 FT ROLLS	FT
116	517626	CONNECTOR, SPLIT BOLT, 12 SOLID - 10 STRANDED, CU TO CU, HOUSING (COVER) MATE IN 590389,	EA
657	559168	SLEEVE,ELECTRICAL, #14 TO 10 AWG, W/ THERMITE WELDER, FOR CATHODIC PROTECTION	EA
874	577776	ANODE,BAG, 17 LB NET, HIGH POTENTIAL MAGNESIUM, W/ 10 FT #10 AWG TW ORANGE LEAD WIRE, PACKED IN CARDBOARD BOX 42 LB TOTAL WEIGHT	EA
967	578415	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, WHITE, INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
1219	584045	EDI CONCENTRIC COUPON ASSEMBLY INCLUDING UCB-ZIN-LW010, 10 FT OF CABLE	ES
1418	590389	HOUSING, 50 V MAX, 10 AWG MAX, FOR PROTECTING TRACER WIRE SPLICES, USED WITH CONNECTOR IN 517626. 10/BAG	EA
1433	590871	BOX VALVE, TEST STATION, CP TEST #178, 10-1/4 IN DIA. LID, 8-3/8 IN I.D. 16 IN H., ASTM A48 CL 25 CAST IRON, FOR OFF-ROAD USE ONLY	EA
1548	603126	EDI CONCENTRIC COUPON ASSEMBLY INCLUDING UCB-ZIN-LW025, 25 FT OF CABLE	ES
1549	603139	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, BLACK, INSULATED, CU, 500 FT SPOOL,WIRE	ROLL
1550	603140	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, RED, INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
1551	603141	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, BLUE INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
1565	603423	TAPE,WAX, 9 FT LG X 6 IN W X 70-90 MIL THK, 16 ROLLS/CS, ABOVE AND BELOW GROUND APPLICATIONS, TR-#2A WAX, ALUMINUM	ROLL
1573	603769	TRENTON-FILL POR PM-GP,140 FA. FOR FILLING VOIDS & IRREGULAR SPACES PRIOR TO WRAPPING W/WAX TAPE, 0F TO 110F APPLICATION TEMPERATURE, 6 BLOCKS/CASE,	CASE
1576	603894	BOX,CORROSION, 18 IN LG, 5 IN DP, CI, W/ 5 TERMINAL, HOOKS, NON-LOCKING LID, YELLOW, LID MARKED 'CP TEST' - CATHODIC PROTECTION, CP TEST BOX	EA
1845	513849	CABLE, INSULATED, CATHODIC PROTECTION, 1/C, #8 AWG, 600 V	EA
1846	584942	WIRE,ELECTRICAL, CATHODIC PROTECTION CABLE, #6, HMWPE INSULATED	EA
1847	583055	ENCAPSULATION KIT, 2 PART, RESIN EPOXY, MOLD BODY, THRU 1 KV, INSULATES AND MOISTURE SEALS WYE CONNECTIONS	EA

NOTES:

1. ALL TEST STATION BOXES SHOULD BE INSTALLED IN A SAFE LOCATION WHERE ONE INDIVIDUAL CAN SAFELY OPEN AND ACCESS THE TEST WIRES. ALL TEST WIRES INSIDE THE BOX SHOULD HAVE ENOUGH SLACK ON THE WIRES SO THEY CAN EXTEND A MINIMUM OF 12" ABOVE GRADE.
2. FOR TYPE A TEST STATIONS, THE TWO WIRES SHOULD BE THERMITE WELDED TO THE COATED STEEL MAIN AND BE THE SAME COLOR. (COUPONS COULD BE ADDED TO THE TEST STATION TYPE).
3. FOR TYPE B TEST STATIONS, EACH OF THE FOUR WIRES SHOULD BE A DIFFERENT COLOR AND DOCUMENTED
4. FOR TYPE C TEST STATIONS, THE WIRES SHOULD BE THE SAME COLOR ON EACH SIDE OF THE INSULATED COUPLING. (ANODES AND/OR COUPONS COULD BE ADDED TO THIS TEST STATION TYPE).
5. FOR TYPE D TEST STATIONS WHICH ARE AT A CASING, WHITE WIRES ARE NORMALLY INSTALLED ON THE STEEL CASING AND BLACK WIRES ARE INSTALLED ON THE CARRIER PIPE. (ANODES AND/OR COUPONS COULD BE ADDED TO THIS TEST STATION TYPE).
6. FOR TYPE M TEST STATIONS, THE TWO WIRES THERMITE WELDED TO THE CARRIER PIPE SHOULD BE THE SAME COLOR WIRE. THERE IS ALSO MAGNESIUM ANODE(S) WIRE(S) LOCATED INSIDE THE TEST STATION BOX.THE WIRE COLOR (TYPICALLY ORANGE) FOR THE ANODES. IF THE ANODE WIRES ARE SPLICED TO A COMMON ANODE HEADER CABLE, THE ANODE HEADER CABLE SHOULD BE A (WHITE OR RED) DIFFERENT COLOR WIRE THAN THE WIRE THAT WAS THERMITE WELDED TO THE CARRIER PIPE. AT A TYPE M TEST STATION, NO MAGNESIUM ANODES SHOULD BE DIRECTLY THERMITE WELDED TO THE CARRIER PIPE OR IN CONTACT WITH THE CARRIER PIPE. THE ANODE HEADER WIRE OR INDIVIDUAL ANODE WIRES SHOULD TERMINATE INSIDE THE TEST STATION BOX. ANODES SHOULD BE SPACED A MINIMUM OF 5' ON CENTER FROM EACH OTHER AND A MINIMUM OF 12" AWAY AND BELOW THE BOTTOM OF THE STEEL MAIN.
7. IF COUPONS ARE TO BE INSTALLED , FIRST REMOVE THE PROTECTIVE LABEL COVERING THE STEEL COUPON AND THE RED STICKERS COVERING EACH SENSING PORT. CLEAN THE ENTIRE STEEL COUPON SURFACE WITH ALCOHOL TO REMOVE THE CORROSION INHIBITOR .PLACE THE COUPON ASSEMBLY APPROXIMATELY 12" FROM THE GAS MAIN BEING MONITORED WITH THE SENSING PORTS FACING THE GAS MAIN. THE COUPON ASSEMBLY SHOULD BE LOCATED ADJACENT TO THE BOTTOM PORTION OF THE GAS MAIN, ANYWHERE BETWEEN 3 O'CLOCK AND 9 O'CLOCK. THE SOIL BETWEEN THE COUPON AND THE MAIN SHOULD BE WELL COMPACTED AND CONTAIN NO ROCKS LARGER THAN A CENTIMETER IN DIAMETER OR FOREIGN MATERIAL.
8. ONE (1) 3# ANODE (MINIMUM) SHALL BE INSTALLED TO PROTECT THE CLAMPS ON EACH 10-FOOT SPAN OF PIPE. EACH 10-FOOT SPAN OF PIPE MUST BE A CONTINUOUS SECTION OF STEEL. CLAMPS ON NON-CONTINUOUS SECTIONS OF STEEL EVEN IF THEY ARE WITHIN 10 FEET OF EACH CANNOT BE PROTECTED BY THE SAME ANODE.
9. REFER TO CONSTRUCTION STANDARD CS-500 SECTION IV.G WHICH PROVIDES GENERAL GUIDANCE REGARDING "WRAPPING" FOR CORROSION PROTECTION. CS-500 SECTION IV.G.5. DESCRIBES THE BASIC STEPS REQUIRED TO WRAP LEAK REPAIR CLAMPS.

NOTE: WHEN MULTIPLE WIRES FROM DIFFERENT PIPE SECTIONS ARE IN THE SAME TEST STATION, THE WIRES FROM THE SAME PIPE SECTION AND ASSOCIATED ANODE WILL BE TAPED TOGETHER INSIDE THE TEST STATION.

SCALE: 1/2" = 1'-0"

No.	Description	Date	Dw/Ck

Revision/Status

FISHER ST-OPTIMAIN, SPRINGFIELD, MA

PROJECT # 23EG054 / WORK ORDER # 14870774

DETAILS, NOTES AND BILL OF MATERIALS

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

SCALE: NTS SHEET 21 OF 23

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
TLJ 08/15/2024	AS 08/22/2024	MA-SPR-PIP-24-019-21	B

Attachment: MA-SPR-PIP-25-019 - Fisher St - IFR Drawing - REVA (8323 : Eversource Gas - Fisher St)

Fisher St - Optimain Pro Drawing Rev0.dwg
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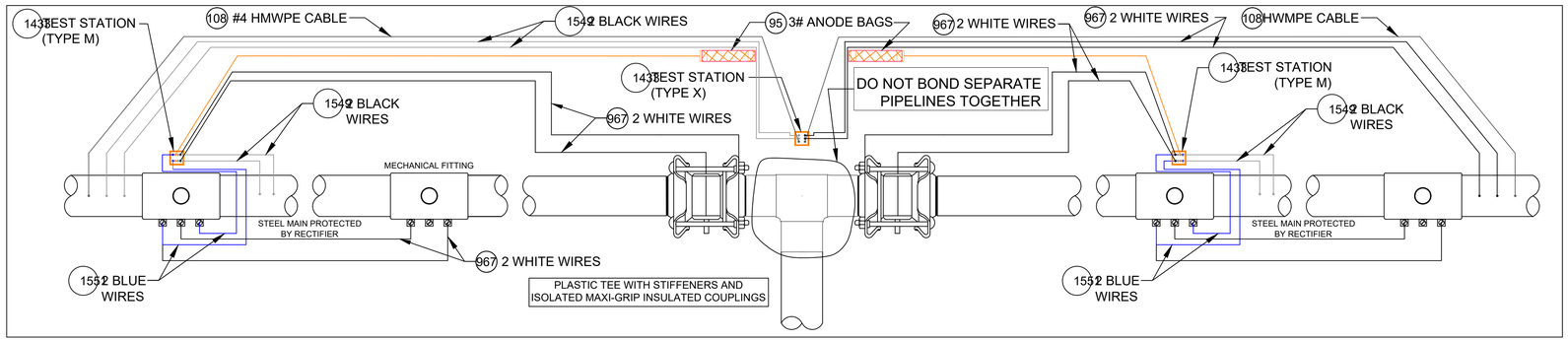
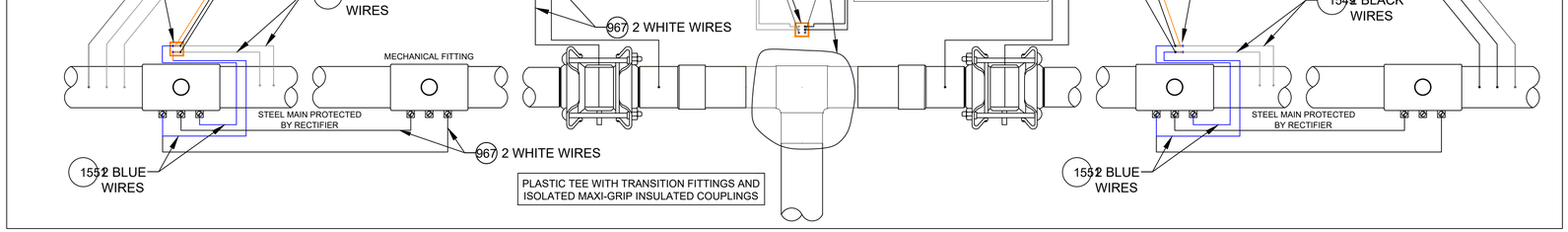


ANODE INSTALLATION FOR MULTIPLE MECHANICAL FITTINGS INSTALLED ON NON-ELECTRICALLY CONTINUOUS SECTIONS OF COATED STEEL PIPING

DETAIL CP17

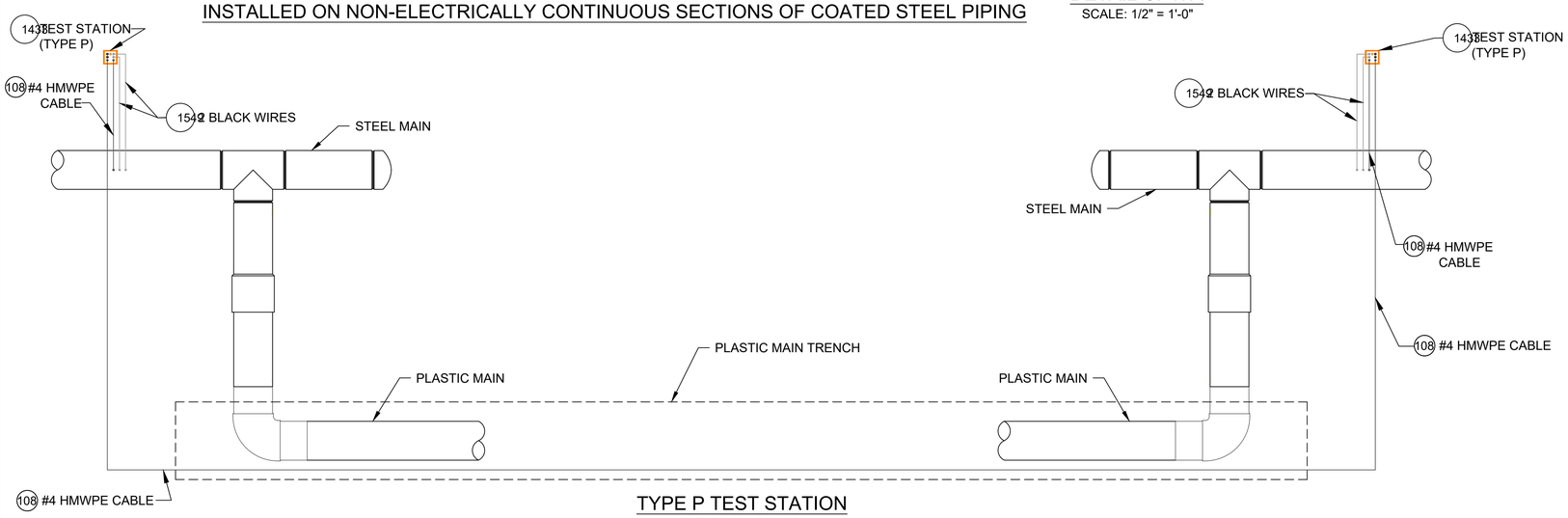
SCALE: 1/2" = 1'-0"



ANODE INSTALLATION FOR MULTIPLE MECHANICAL FITTINGS INSTALLED ON NON-ELECTRICALLY CONTINUOUS SECTIONS OF COATED STEEL PIPING

DETAIL CP17A

SCALE: 1/2" = 1'-0"



TYPE P TEST STATION DETAIL CP18

SCALE: 1/2" = 1'-0"

CATHODIC PROTECTION BILL OF MATERIALS MASTER BOM

Item	Maximo No.	Description	Units
25	500804	WELDER,THERMITE, THERMITE, FOR GAS PIPE, #12 CABLE,HORIZONTAL STEEL PIPE 4 IN AND LARGER DIAMETER	EA
26	500805	WELDER,THERMITE, THERMITE, FOR GAS PIPE, #12 CABLE, HORIZONTAL STEEL PIPE 3/4 - 3-1/2 IN DIAMETER	EA
69	503673	TAPE,WAX, 9 FT LG X 4 IN W, 24 ROLLS/CS, ABOVE AND BELOW GROUND APPLICATIONS, TR-#2A WAX, ALUMINUM	ROLL
95	505818	ANODE,BAG, 2.5 X 2.5 X 4.5 IN, 10 FT LG, 3 LB, MAGNESIUM	EA
101	508567	POWDER, CARTRIDGE, TYPE IS F-33, ALLOY , CAP COLOR CLEAR, 15 GM CHARGE, 20/PAC, FOR STEEL PIPE	BOX
102	508572	PRIMER, 4 GAL/CASE, BROWN, FOR WAX TAPE, APPLICATION TEMP 0 TO 230 F, TEMCOAT 3000	EA
108	513850	CABLE, INSULATED, CATHODIC PROTECTION, 1/C, #4 AWG, 7 STR, 600 V, BLACK, HMWPE, CU, 1000 FT ROLLS	FT
116	517626	CONNECTOR, SPLIT BOLT, 12 SOLID - 10 STRANDED, CU TO CU, HOUSING (COVER) MATE IN 590389,	EA
657	559168	SLEEVE,ELECTRICAL, #14 TO 10 AWG, W/ THERMITE WELDER, FOR CATHODIC PROTECTION	EA
874	577776	ANODE,BAG, 17 LB NET, HIGH POTENTIAL MAGNESIUM, W/ 10 FT #10 AWG TW ORANGE LEAD WIRE, PACKED IN CARDBOARD BOX 42 LB TOTAL WEIGHT	EA
967	578415	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, WHITE, INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
1219	584045	EDI CONCENTRIC COUPON ASSEMBLY INCLUDING UCB-ZIN-LW010, 10 FT OF CABLE	ES
1418	590389	HOUSING, 50 V MAX, 10 AWG MAX, FOR PROTECTING TRACER WIRE SPLICES, USED WITH CONNECTOR IN 517626. 10/BAG	EA
1433	590871	BOX VALVE, TEST STATION, CP TEST #178, 10-1/4 IN DIA. LID, 8-3/8 IN I.D. 16 IN H., ASTM A48 CL 25 CAST IRON, FOR OFF-ROAD USE ONLY	EA
1548	603126	EDI CONCENTRIC COUPON ASSEMBLY INCLUDING UCB-ZIN-LW025, 25 FT OF CABLE	ES
1549	603139	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, BLACK, INSULATED, CU, 500 FT SPOOL,WIRE	ROLL
1550	603140	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, RED, INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
1551	603141	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, BLUE INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
1565	603423	TAPE,WAX, 9 FT LG X 6 IN W X 70-90 MIL THK, 16 ROLLS/CS, ABOVE AND BELOW GROUND APPLICATIONS, TR-#2A WAX, ALUMINUM	ROLL
1573	603769	TRENTON-FILL POR PM-GP,140 FA. FOR FILLING VOIDS & IRREGULAR SPACES PRIOR TO WRAPPING W/WAX TAPE, 0F TO 110F APPLICATION TEMPERATURE, 6 BLOCKS/CASE,	CASE
1576	603894	BOX,CORROSION, 18 IN LG, 5 IN DP, CI, W/ 5 TERMINAL, HOOKS, NON-LOCKING LID, YELLOW, LID MARKED 'CP TEST' - CATHODIC PROTECTION, CP TEST BOX	EA
1845	513849	CABLE, INSULATED, CATHODIC PROTECTION, 1/C, #8 AWG, 600 V	EA
1846	584942	WIRE,ELECTRICAL, CATHODIC PROTECTION CABLE, #6, HMWPE INSULATED	EA
1847	583055	ENCAPSULATION KIT, 2 PART, RESIN EPOXY, MOLD BODY, THRU 1 KV, INSULATES AND MOISTURE SEALS WYE CONNECTIONS	EA

NOTES:

1. ALL TEST STATION BOXES SHOULD BE INSTALLED IN A SAFE LOCATION WHERE ONE INDIVIDUAL CAN SAFELY OPEN AND ACCESS THE TEST WIRES. ALL TEST WIRES INSIDE THE BOX SHOULD HAVE ENOUGH SLACK ON THE WIRES SO THEY CAN EXTEND A MINIMUM OF 12" ABOVE GRADE.
2. FOR TYPE A TEST STATIONS, THE TWO WIRES SHOULD BE THERMITE WELDED TO THE COATED STEEL MAIN AND BE THE SAME COLOR. (COUPONS COULD BE ADDED TO THE TEST STATION TYPE).
3. FOR TYPE B TEST STATIONS, EACH OF THE FOUR WIRES SHOULD BE A DIFFERENT COLOR AND DOCUMENTED
4. FOR TYPE C TEST STATIONS, THE WIRES SHOULD BE THE SAME COLOR ON EACH SIDE OF THE INSULATED COUPLING. (ANODES AND/OR COUPONS COULD BE ADDED TO THIS TEST STATION TYPE).
5. FOR TYPE D TEST STATIONS WHICH ARE AT A CASING, WHITE WIRES ARE NORMALLY INSTALLED ON THE STEEL CASING AND BLACK WIRES ARE INSTALLED ON THE CARRIER PIPE. (ANODES AND/OR COUPONS COULD BE ADDED TO THIS TEST STATION TYPE).
6. FOR TYPE M TEST STATIONS, THE TWO WIRES THERMITE WELDED TO THE CARRIER PIPE SHOULD BE THE SAME COLOR WIRE. THERE IS ALSO MAGNESIUM ANODE(S) WIRE(S) LOCATED INSIDE THE TEST STATION BOX.THE WIRE COLOR (TYPICALLY ORANGE) FOR THE ANODES. IF THE ANODE WIRES ARE SPLICED TO A COMMON ANODE HEADER CABLE, THE ANODE HEADER CABLE SHOULD BE A (WHITE OR RED) DIFFERENT COLOR WIRE THAN THE WIRE THAT WAS THERMITE WELDED TO THE CARRIER PIPE. AT A TYPE M TEST STATION, NO MAGNESIUM ANODES SHOULD BE DIRECTLY THERMITE WELDED TO THE CARRIER PIPE OR IN CONTACT WITH THE CARRIER PIPE. THE ANODE HEADER WIRE OR INDIVIDUAL ANODE WIRES SHOULD TERMINATE INSIDE THE TEST STATION BOX. ANODES SHOULD BE SPACED A MINIMUM OF 5' ON CENTER FROM EACH OTHER AND A MINIMUM OF 12" AWAY AND BELOW THE BOTTOM OF THE STEEL MAIN.
7. IF COUPONS ARE TO BE INSTALLED , FIRST REMOVE THE PROTECTIVE LABEL COVERING THE STEEL COUPON AND THE RED STICKERS COVERING EACH SENSING PORT. CLEAN THE ENTIRE STEEL COUPON SURFACE WITH ALCOHOL TO REMOVE THE CORROSION INHIBITOR .PLACE THE COUPON ASSEMBLY APPROXIMATELY 12" FROM THE GAS MAIN BEING MONITORED WITH THE SENSING PORTS FACING THE GAS MAIN. THE COUPON ASSEMBLY SHOULD BE LOCATED ADJACENT TO THE BOTTOM PORTION OF THE GAS MAIN, ANYWHERE BETWEEN 3 O'CLOCK AND 9 O'CLOCK. THE SOIL BETWEEN THE COUPON AND THE MAIN SHOULD BE WELL COMPACTED AND CONTAIN NO ROCKS LARGER THAN A CENTIMETER IN DIAMETER OR FOREIGN MATERIAL.
8. ONE (1) 3# ANODE (MINIMUM) SHALL BE INSTALLED TO PROTECT THE CLAMPS ON EACH 10-FOOT SPAN OF PIPE. EACH 10-FOOT SPAN OF PIPE MUST BE A CONTINUOUS SECTION OF STEEL. CLAMPS ON NON-CONTINUOUS SECTIONS OF STEEL EVEN IF THEY ARE WITHIN 10 FEET OF EACH CANNOT BE PROTECTED BY THE SAME ANODE.
9. REFER TO CONSTRUCTION STANDARD CS-500 SECTION IV.G WHICH PROVIDES GENERAL GUIDANCE REGARDING “WRAPPING” FOR CORROSION PROTECTION. CS-500 SECTION IV.G.5. DESCRIBES THE BASIC STEPS REQUIRED TO WRAP LEAK REPAIR CLAMPS.

NOTE: WHEN MULTIPLE WIRES FROM DIFFERENT PIPE SECTIONS ARE IN THE SAME TEST STATION, THE WIRES FROM THE SAME PIPE SECTION AND ASSOCIATED ANODE WILL BE TAPED TOGETHER INSIDE THE TEST STATION.

SCALE: 1/2" = 1'-0"

No.	Description	Date	Dw/Ck

Revision/Status

FISHER ST-OPTIMAIN, SPRINGFIELD, MA
PROJECT # 23EG054 / WORK ORDER # 14870774
DETAILS, NOTES AND BILL OF MATERIALS

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

SCALE: NTS SHEET 22 OF 23

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
TLJ 08/15/2024	AS 08/22/2024	MA-SPR-PIP-24-019-22	B

Fisher St - Optimain Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
C:\users\kquinton\projectwise\fsal\d03964261
Sep 19, 2024 - 8:14am
Attachment: MA-SPR-PIP-25-019 - Fisher St - IFR Drawing - REVA (8323 : Eversource Gas - Fisher St.)

Fisher St - Optimain Pro Drawing Rev0.dwg

EGMA DRAWING TEMPLATE - 02-09-2023

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No.	Description	Date	Dw/Ck

Revision/Status

FISHER ST-OPTIMAIN, SPRINGFIELD, MA

PROJECT # 23EG054 / WORK ORDER # 14870774

PLAN

FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

SCALE: NTS

SHEET 23 OF 23

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
TLJ 08/15/2024	AS 08/22/2024	MA-SPR-PIP-24-019-23	B

Attachment: MA-SPR-PIP-25-019 - Fisher St - IFR Drawing - REVA (8323 : Eversource Gas - Fisher St.)

Sep 19, 2024 - 8:14am

EVERSOURCE ENERGY

9/20/2024

Honorable Mayor and City Council
City of Springfield
City Hall
Court Street
Springfield, MA 01103

ATTN: Gladys Oyola-Lopez, City Clerk

PROJECT NAME: Fisher St – Optimain

Ladies & Gentlemen:

Eversource of Massachusetts (EGMA) hereby requests that it be granted a location for and permission to install and replace underground gas facilities within a section of the Pine Point Neighborhood (as seen in the attached plan). Work will extend to the following streets in varying degrees/durations:

Street Name	From	To
Fisher St	118 Fisher St	Samuel St
Nathaniel St	Fisher St	Silas St
Elijah St	Fisher St	Silas St
Samuel St	Fisher St	Silas St
Silas St	Samuel St	Benham St
Benham St	Silas St	24 Benham St
Humbert St	Fisher St	70-72 Humbert St

This project will introduce modernized natural gas facilities to the area and retire the aged cast iron low pressure natural gas infrastructure. All proposed work by EGMA will include such laterals and service connections as it may now or subsequently find necessary. This project is being done in order to eliminate aging infrastructure and to replace the existing cast iron main.

Ryan Maheu
Engineer
Eversource Energy
2025 Roosevelt Ave.
Springfield, MA 01104
Cell: 413-569-8349
Email: ryan.maheu@eversource.com

Attachment: Springfield City Council Letter - Fisher St (8323 : Eversource Gas - Fisher St.)

CITY OF SPRINGFIELD, MASSACHUSETTS

October 9, 2024

TO THE MAYOR AND CITY COUNCIL OF THE CITY OF SPRINGFIELD:

The Board of Public Works, to which was referred the petition of the Eversource-Gas of Massachusetts, dated August 20, 2024, to install and replace underground gas facilities within a section of Pine Point Neighborhood at Fisher Street, Nathaniel Street, Samuel Street, Silas Street, Benham Street, and Humbert Street to retire low-pressure cast iron gas infrastructure and update the system to medium-pressure., all shown on a plan attached with a project name, Fisher Street which is incorporated herein by reference and to lay and maintain underground gas main pipes for improvements of the system reports thereon as follows:

By virtue of Chapter 708 of the Acts of 1977, the Board of Public Works held the hearing on the above matter provided for in Section 22 of Chapter 166 of the General Laws. The hearing was held on October 9, 2024, at 3:30 P.M. at the corner of Fisher Street and Humbert Street in Springfield, , MA, after due notice from the office of the City Clerk. two (2) members of the Board and one (1) person interested in the matter were present. Of the latter, one (1) voted in favor and no one (0) voted against.

The Board finds the request necessary so that the utility company can upgrade existing underground facilities to improve the quality of service in this area.

After careful consideration, the Board recommends the petition be granted provided:

That due care for public safety is exercised during construction including but not limited to the use of a police officer(s) for traffic control if necessary.

That said construction would not unnecessarily interfere with the movement of vehicular or pedestrian traffic in the area.

That care be taken during said construction not to damage any underground services.

That the construction site be returned to the same condition as found or better.

Said company shall indemnify and save harmless against all damages, costs and expenses whatsoever to which the City may be subjected in consequence of the acts or neglect of said Company, its agents or servants, or in any manner arising from the rights and privileges granted it by the City.

Attachment: Report Fisher St (8323 : Eversource Gas - Fisher St.)

In addition said company shall, before a public way is disturbed for the laying of its wire or conduit, execute its bond in the penal sum of Ten Thousand Dollars ($10,000) conditioned for the faithful performance of its duties under this permit.

Said company shall comply with the requirements of existing Ordinances and orders and comply with any changes in Ordinances and orders as may hereafter be adopted by the Mayor and Council governing the construction and maintenance of buried cable, conduits, and wires.

That any sidewalks that are damaged or removed will be replaced in kind and accordance with the City of Springfield's Standard Specifications.

Ramps for the handicapped will be provided if and where required by law and in conformance with the Rules and Regulations of the Massachusetts Architectural Barrier Board.

That any curbing that is disturbed during construction will be reset to the established street grade using proper construction procedures.

That due care be exercised not to unnecessarily damage any public shade trees located within the construction area.

That the Springfield Water and Sewer Commission be notified before construction begins. All installations of adjacent utilities must be a minimum of 4 feet from the existing water and/or sewer main, edge to edge of the pipe.

That all conditions outlined in the respective order are complied with.

_____)

_____) BOARD OF PUBLIC WORKS

_____)

Attachment: Report Fisher St (8323 : Eversource Gas - Fisher St.)

City Council
36 Court Street
Springfield, MA 01103

SCHEDULED

PETITION (ID # 8324)

Meeting: 11/18/24 07:00 PM
Department: Department of Public Works
Category: General
Prepared By: Hector Velez
Initiator: Hector Velez
Sponsors:
DOC ID: 8324

Eversource Gas - James St.

ORDER FOR LOCATION OF UNDERGROUND CONDUIT

WHEREAS, The Board of Public Works, to which was referred the petition of Eversource-Gas to install and replace underground gas facilities within a section of James Street, Cedar Street, Ashley Street, Lebanon Street and Hancock Street to retire low-pressure cast iron gas infrastructure.

WHEREAS, said petition James Street was referred to the Board of Public Works on October 1, 2024; and

WHEREAS, On October 8, 2024, a Notice of a Public Hearing on James Street to be held on October 24, 2024, was sent by mail, to all property owners abutting an affected road, various Departments, Utility Companies, etc before the day of the hearing and posted on two public bulletin board a copy of which is attached a hearing of the Board of Public Works was held as scheduled on-site with the petitioner and interested parties.

WHEREAS, on October 24, 2024, the Board of Public Works reported thereon that, after careful consideration of the petition of James Street to install and replace underground gas facilities within a section of James Street, Cedar Street, Ashley Street, Lebanon Street, and Hancock Street to retire low-pressure cast iron gas infrastructure., all as substantially shown on a plan attached with project name:

James Street

Consisting of thirty-one (31) sheets, which plan is incorporated herein by reference and is on file in the office of the Engineering Division of the Department of Public Works, Springfield, Massachusetts.

WHEREAS, the petition James Street came before the City Council for a Public Hearing on this date,

NOW, THEREFORE, BE IT ORDERED:

1. That due care for public safety is exercised during construction including but not limited to the use of a police officer(s) for traffic control if necessary.

2. That said construction would not unnecessarily interfere with the movement of vehicular or pedestrian traffic in the area.

3. That care be taken during said construction not to damage any underground services.

4. That the construction site be returned to the same condition as found or better.

5. Said company shall indemnify and save harmless against all damages, costs, and expenses whatsoever to which the City may be subjected in consequence of the acts or neglect of said Company, its agents or servants, or in any manner arising from the rights and privileges granted it by the City.

6. In addition, said company shall, before a public way is disturbed for the laying of its wire or conduit, execute its bond in the penal sum of Ten Thousand Dollars ($10,000) conditioned for the faithful performance of its duties under this permit.

7. Said company shall comply with the requirements of existing Ordinances and orders and comply with any changes in Ordinances and orders as may hereafter be adopted by the Mayor and Council governing the construction and maintenance of buried cable, conduits, and wires.

8. Any sidewalks that are damaged or removed will be replaced in kind and accordance with the City of Springfield's Standard Specifications.

9. Ramps for the handicapped will be provided if and where required by law and in conformance with the Rules and Regulations of the Massachusetts Architectural Barrier Board.

10. Any curbing that is disturbed during construction will be reset to the established street grade using proper construction procedures.

11. That all proposed silo, manhole, and hex-hole covers will conform to and be compatible with an established street, tree belt, or sidewalk grades with suitable non-skid covers when in the sidewalk area.

12. The Springfield Water and Sewer Commission be notified before construction begins. All installations of adjacent utilities must be a minimum of 4 feet from the existing water and/or sewer main, edge to edge of the pipe.

13. That asphalt trench restoration be done in accordance with the City of Springfield DPW requirements.

14. That all conditions outlined in the respective order are complied with.

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SHEET #	TITLE
01 OF 31	COVER SHEET
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07 OF 31	PROJECT LOCATION PLAN
08 OF 31	PROJECT LOCATION PLAN
09 OF 31	PROJECT LOCATION PLAN
10 OF 31	MA PREPARATORY AND FINAL TIE-IN DETAILS
11 OF 31	MA PREPARATORY AND FINAL TIE-IN DETAILS
12 OF 31	MA PREPARATORY AND FINAL TIE-IN DETAILS
13 OF 31	MA PREPARATORY AND FINAL TIE-IN DETAILS
14 OF 31	MA PREPARATORY AND FINAL TIE-IN DETAILS
15 OF 31	MA PREPARATORY AND FINAL TIE-IN DETAILS
16 OF 31	MA PREPARATORY AND FINAL TIE-IN DETAILS
17 OF 31	MA PREPARATORY AND FINAL TIE-IN DETAILS
18 OF 31	MA PREPARATORY AND FINAL TIE-IN DETAILS
19 OF 31	MA PREPARATORY AND FINAL TIE-IN DETAILS
20 OF 31	MA PREPARATORY AND FINAL TIE-IN DETAILS
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22 OF 31	MA PREPARATORY AND FINAL TIE-IN DETAILS
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24 OF 31	MA PREPARATORY AND FINAL TIE-IN DETAILS
25 OF 31	MA PREPARATORY AND FINAL TIE-IN DETAILS
26 OF 31	MA PREPARATORY AND FINAL TIE-IN DETAILS
27 OF 31	MA PREPARATORY AND FINAL TIE-IN DETAILS
28 OF 31	MA CORROSION DETAILS (1 OF 3)
29 OF 31	MA CORROSION DETAILS (2 OF 3)
30 OF 31	MA CORROSION DETAILS (3 OF 3)
31 OF 31	BLANK GRIDDED SHEET

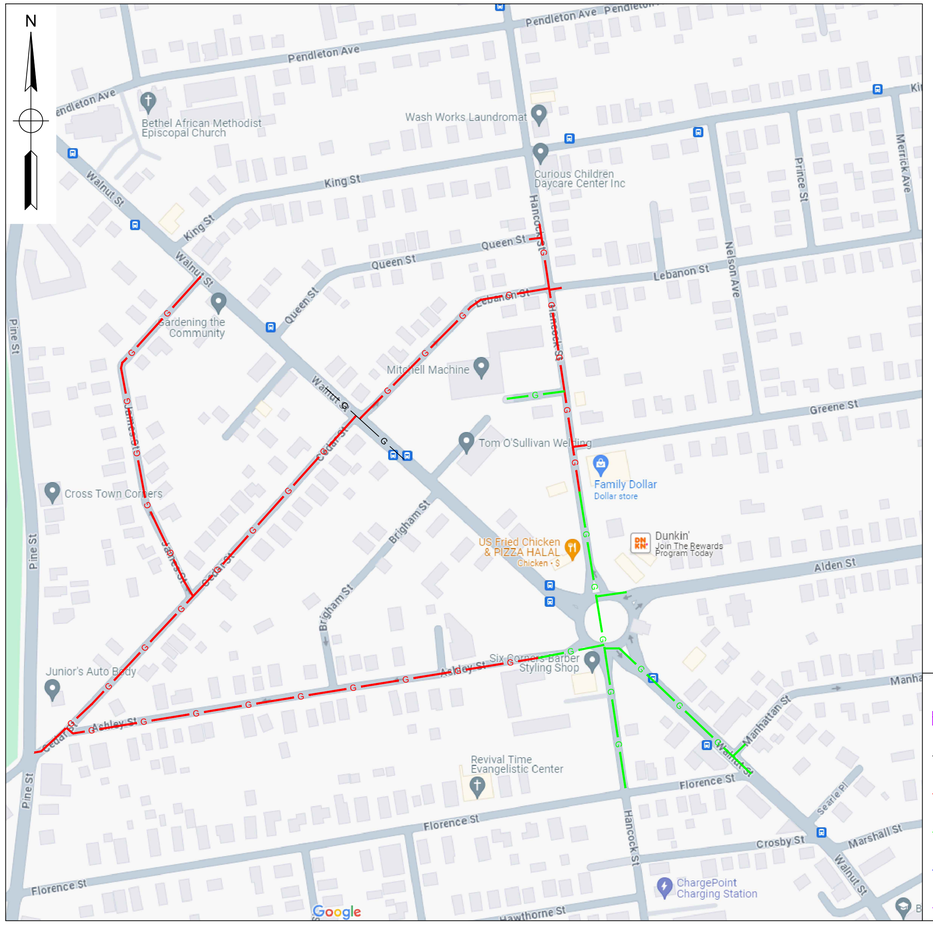
PROJECT SUMMARY TABLE
INSTALLATION INFORMATION

Work Type	LENGTH (FT)	SIZE (IN)	MAOP	MATERIAL
INSTALL	4,004'	2"	60 PSIG	HDPE
INSTALL	792'	6"	60 PSIG	HDPE
			INSTALLATION TOTAL	4,796'
			UPRATE/RETEST TOTAL	0'

PROJECT SUMMARY TABLE
ABANDONMENT INFORMATION

LENGTH (FT)	SIZE (IN)	MAOP	ABANDONMENT CLASS
107'	2"	14" WC	Plastic Pre-1985 (GSEP)
389'	3"	14" WC	CI-(GSEP)
80'	3"	14" WC	Plastic (Non-GSEP)
20'	3"	14" WC	Unprotected CS (GSEP)
6'	4"	14" WC	Bare ST (GSEP)
1,085'	4"	14" WC	CI-(GSEP)
2,255'	4"	14" WC	Plastic (Non-GSEP)
961'	4"	14" WC	Unprotected CS (GSEP)
917'	6"	14" WC	CI-(GSEP)
135'	6"	14" WC	Plastic (Non-GSEP)
60'	6"	14" WC	Unprotected CS (GSEP)
811'	8"	14" WC	Unprotected CS (GSEP)
GSEP ABANDONMENT SUBTOTAL			4,356'
NON-GSEP ABANDONMENT SUBTOTAL			2,470'
ABANDONMENT TOTAL			6,826'

EVERSOURCE ENERGY



WORK SCOPE

LEGEND

- REGULATING STATION 50' BOUNDARY
- EXISTING GAS MAIN
- PROPOSED GAS MAIN
- GAS MAIN TO BE ABANDONED
- GAS MAIN WITH SERVICE TRANSFERS
- GAS MAIN WITH PRESSURE INCREASE

ISSUED FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS — DANIEL D'ELETTO CIVIL No. 55061 — PROFESSIONAL ENGINEER
DANIEL D'ELETTO, P.E. 2024.08.14 10:00:54-04'00'

TRC
215 GREENFIELD PKY | Suite 102 | LIVERPOOL, NY 13088

811 Know what's below. Call before you dig.

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
0	ISSUED FOR CONSTRUCTION	8/13/24	KMQ/TH

Revision/Status

EVERSOURCE ENERGY

JAMES ST - GSEP, SPRINGFIELD, MA
PROJECT # 24EG158 / WORK ORDER # 16828139
COVER SHEET

SCALE: 1"=40' ON 22"X34" SHEET 01 OF 31

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ / 7/8/2024	TH / 7/12/2024	MA-SPR-PIP-24-056-01	B

JAMES ST - GSEP, SPRINGFIELD, MA
PROJECT # 24EG158
WORK ORDER #16828139

James St - Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
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Attachment: James St - Pro Drawing Rev0 - PE Stamped (8324 : Eversource Gas - James St.)

James St - Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
C:\Users\kquinton\AppData\Local\Temp\AcPublish_4468\

GENERAL NOTES:

A. 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.

1. IF THE TIE IN POINT MOVES TO A DIFFERENT SEGMENT OF PIPE THAN SHOWN.
2. IF A CHANGE IN THE LOCATION OF VALVES IS REQUIRED.
3. 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.
4. IF A CHANGE IN PIPE SIZE, MATERIAL, OR WALL THICKNESS IS REQUIRED.
5. ALTERNATE FITTINGS THAT ARE ACCEPTABLE FOR ANY TIE-IN DETAIL WILL BE CALLED OUT IN THE DRAWING. FITTING CHANGES NOT SHOWN AS ALTERNATIVES ON THE DRAWING WILL NEED TO FOLLOW THE DRAWING CHANGE PROCESS CONTAINED IN SECTION V.D.

B. CONSTRUCTION DRAWINGS, LOCATIONS OF EXISTING UTILITIES, UNDERGROUND STRUCTURES AND WORK LOCATIONS ARE BASED ON BEST AVAILABLE INFORMATION BUT HAVE NOT BEEN FIELD VERIFIED.

C. ALL WORK, MATERIAL AND CONSTRUCTION SHALL BE PERFORMED AND COMPLETED IN COMPLIANCE WITH ALL PERMITS AND APPROVALS PER EVERSOURCE, LOCAL, STATE, OSHA AND FEDERAL REGULATIONS AND STANDARDS.

D. ALL LIVE GAS WORK EXCEPT SERVICE SIZE TAPS, 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.

E. EXCAVATOR IS REQUIRED TO PROTECT EXISTING UTILITIES, STRUCTURES, LANDSCAPES FEATURES, SIGNAGE, CURBS, ETC. CARE SHOULD BE TAKEN NOT TO DISTURB OR DAMAGE SUCH ITEMS. 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.

F. 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.

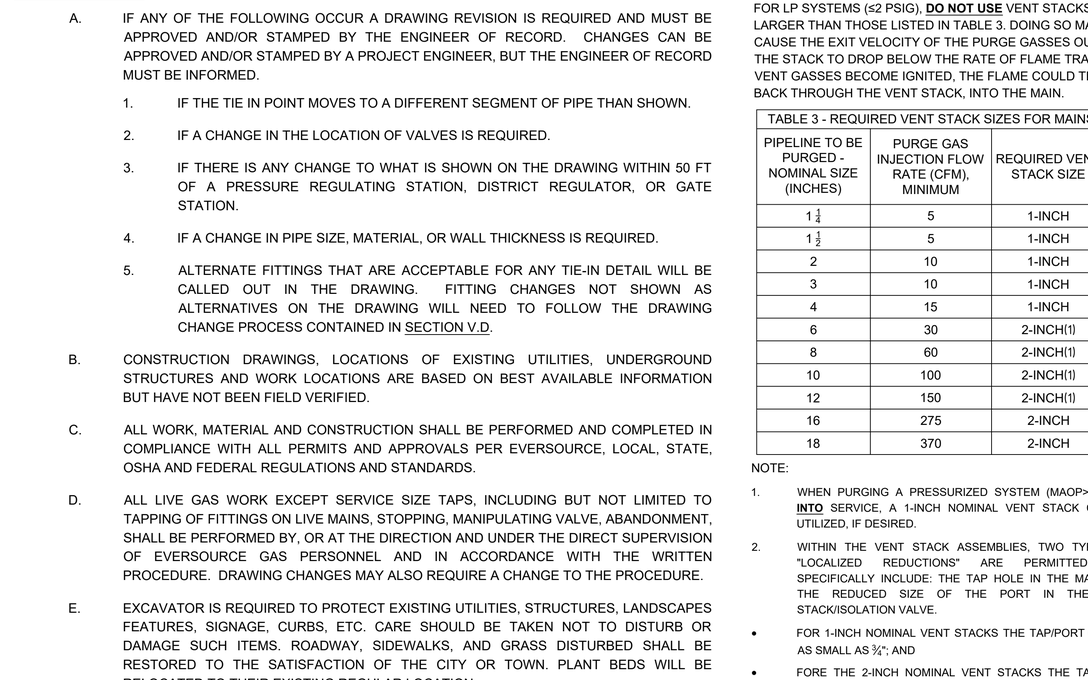
WARNING:
FOR LP SYSTEMS (≤2 PSIG), **DO NOT USE** VENT STACKS LARGER THAN THOSE LISTED IN TABLE 3. DOING SO MAY CAUSE THE EXIT VELOCITY OF THE PURGE GASSES OUT OF THE STACK TO DROP BELOW THE RATE OF FLAME TRAVEL. IF VENT GASSES BECOME IGNITED, THE FLAME COULD TRAVEL BACK THROUGH THE VENT STACK, INTO THE MAIN.

TABLE 3 - REQUIRED VENT STACK SIZES FOR MAINS

PIPELINE TO BE PURGED - NOMINAL SIZE (INCHES)	PURGE GAS INJECTION FLOW RATE (CFM), MINIMUM	REQUIRED VENT STACK SIZE
1 ¼	5	1-INCH
1 ½	5	1-INCH
2	10	1-INCH
3	10	1-INCH
4	15	1-INCH
6	30	2-INCH(1)
8	60	2-INCH(1)
10	100	2-INCH(1)
12	150	2-INCH(1)
16	275	2-INCH
18	370	2-INCH

NOTE:

1. WHEN PURGING A PRESSURIZED SYSTEM (MAOP>2 PSIG) **INTO** SERVICE, A 1-INCH NOMINAL VENT STACK CAN BE UTILIZED, IF DESIRED.
2. WITHIN THE VENT STACK ASSEMBLIES, TWO TYPES OF "LOCALIZED REDUCTIONS" ARE PERMITTED AND SPECIFICALLY INCLUDE: THE TAP HOLE IN THE MAIN AND THE REDUCED SIZE OF THE PORT IN THE VENT STACK/ISOLATION VALVE.
   - FOR 1-INCH NOMINAL VENT STACKS THE TAP/PORT CAN BE AS SMALL AS ¾"; AND
   - FORE THE 2-INCH NOMINAL VENT STACKS THE TAP/PORT CAN BE AS SMALL AS 1 ¼".
3. THE BALANCE OF THE VENT STACK ASSEMBLY SHALL BE CONSTRUCTED USING PIPE AND FITTINGS OF THE NOMINAL SIZE OF THE SPECIFIED VENT STACK.



OVERVIEW KEY MAP
NOT TO SCALE

JAMES STREET, SPRINGFIELD — **COMPLETE BOM**

REQUIRED BILL OF MATERIALS

Item Number	Maximo Part Number	Description	Quantity	Units
1661	602894	FITTING,TEE, 4 IN IPS X 1 IN IPS, ELECTROFUSION, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	4	EA
43	610062	BOX VALVE, EXTENTION, 18 X 24 IN LONG, CMA 4232860	6	EA
90	610757	FITTING,CAP, END, LYCOFIT, 1/2 IN CTS X 0.090 IN THK WALL, PLASTIC, CMA 750823	16	EA
92	610763	FITTING,CAP, END, LYCOFIT, 2 IN IPS X 0.121 IN THK WALL instead of 2 IN CTS X 0.121 IN THK WALL, PLASTIC, SDR 11, CMA 750830	2	EA
98	610764	FITTING,COUPLING, PIPE, LYCOFIT, 1/2 IN CTS X 0.090 IN WALL THK, PLASTIC, CMA 21658100	16	EA
99	610772	FITTING,COUPLING, REPAIR, LYCOFIT, 2 IN IPS, PLASTIC, SDR 11, CMA 21658101	2	EA
47	611123	BOX, CP TEST, 5 IN, 18 IN SHAFT LENGTH, TERMINAL PLATE WALL THK 0.150 + - 0.015, ABS PLASTIC, W/ NON-LOCKING MAGNETIZED COVER, CMA 4232849	6	EA
1656	620089	FITTING,COUPLING, PIPE, LYCOFIT, 1 IN IPS SDR11, PLASTIC	17	EA
1653	620808	FITTING,CAP, LYCOFIT, 1 IN IPS SDR 11, PLASTIC, ASTM F1924	8	EA

JAMES STREET, SPRINGFIELD — **COMPLETE BOM**

REQUIRED BILL OF MATERIALS

Item Number	Maximo Part Number	Description	Quantity	Units
15	500854	COUPLING, 2 IN IPS, ELECTROFUSION, PLASTIC,P100	10	EA
17	500856	COUPLING,PIPE, 6 IN IPS, ELECTROFUSION, PLASTIC, P100	3	EA
48	500866	TEE,PIPE, NON-BLOWING, 2 X 1/2 IN CTS X 0.090 IN THK WALL SDR 7, ELECTROFUSION X COMPRESSION ENDS, LIGHT WALL, POLYETHYLENE, PE3408/PE100	10	EA
51	500867	TEE,PIPE, NON-BLOWING, 4 X 1/2 IN CTS X 0.090 IN THK WALL SDR 7, ELECTROFUSION X COMPRESSION ENDS, LIGHT WALL, POLYETHYLENE, PE3408/PE100, 1	2	EA
55	500869	TEE,PIPE, NON-BLOWING, 6 X 1/2 IN CTS X 0.090 IN THK WALL SDR 7, ELECTROFUSION X COMPRESSION ENDS, LIGHT WALL, POLYETHYLENE, PE3408/PE100	4	EA
62	500870	TEE,PIPE, 6 X 2 IN IPS , ELECTROFUSION, PLASTIC, P100, W/ 1.8 IN PERF, S/BOX	5	EA
377	505818	ANODE,BAG, 2.5 X 2.5 X 4.5 IN, 10 FT LG, 3 LB, MAGNESIUM, Alternate IN 577776	10	EA
370	513679	CABLE, INSULATED, MDP, #12 AWG, 7 STR, YELLOW, POLYETHYLENE-30, SOFT DRAWN CU, 500 FT/RL, FOR USED AS PIPE LOCATOR	4796	FT
9	542538	CAP,PIPE, 4 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	4	EA
10	542539	CAP,PIPE, 6 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	2	EA
8	542572	CAP,PIPE, 2 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	6	EA
225	543028	CLAMP,PIPE, REPAIR, 4 IN IPS, SS, W/1-1/4 IN TAP	1	EA
229	543029	CLAMP,PIPE, REPAIR, 6 IN IPS, SS, W/1-1/4 IN TAP	2	EA
21	545342	ELBOW,PIPE, 90 DEG, 6 IN SDR 11, BUTT WELD ENDS, POLYETHYLENE, P100	2	EA
6	554009	PIPE, 6 IN IPS X 0.602 IN THK WALL SDR 11, 6.625 IN OD, 40 FT LG, POLYETHYLENE, PE3408/PE100	792	FT
4	554032	PIPE, 2 IN IPS X 0.216 IN THK WALL SDR 11, 2.375 IN OD, 40 FT LG, POLYETHYLENE, PE3408/PE100, 3000 FT /BUNDLE, FOR WINTER USE	400	FT
359	554877	PLUG,PIPE, SQUARE HEAD, SOLID, 1-1/4 IN, THREADED END, BLACK IRON, ANSI B1.20.1	3	EA
361	554878	PLUG,PIPE, SQUARE HEAD, SOLID, 2 IN, THREADED END, BLACK IRON, ANSI B1.20.1	14	EA
26	555593	REDUCER,PIPE, 4 X 2 IPS, BUTT ENDS, POLYETHYLENE, P100, SDR11	3	EA
27	555594	REDUCER,PIPE, 6 X 4 IPS, BUTT ENDS, P100, POLYETYLENE, SDR 11	3	EA
31	560680	TEE,PIPE, 6 IN SDR 11, BUTT ENDS, POLYETHYLENE, P100	3	EA
29	560705	TEE,PIPE, 2 IN IPS SDR 11, BUTT ENDS, POLYETHYLENE, P100	2	EA
33	562087	VALVE,BALL, 2 IN IPS, POLYETHYLENE, SDR 11, BUTT WELD, W/ FULL PORT OPENING	6	EA
368	565814	TAPE,WARNING, MARKED BURIED GAS LINE, 4 MIL, 1000 FT ROLL, 6 IN W, YELLOW, ISSUE EACH ROLL AS 1, T-01-A00,	5	RL
379	577776	ANODE,BAG, 17 LB NET, HIGH POTENTIAL MAGNESIUM, W/ 10 FT #10 AWG TW ORANGE LEAD WIRE, PACKED IN CARDBOARD BOX 42 LB TOTAL WEIGHT	6	EA
233	578014	FITTING,CLAMP, SERVI-SEAL REPAIR, 8 IN DIA, 9 IN LG, W/ 2 IN OUTLET, FOR STEEL PIPE	6	EA
232	578022	FITTING,CLAMP, SERVI-SEAL REPAIR, 6 IN DIA, 9 IN LG, W/ 2 IN OUTLET, FOR CAST IRON PIPE	1	EA
246	578185	FITTING,COUPLING, VENTED, INSULATED, 6 IN, W/ END CAP, FOR STEEL PIPE, EZB6VIUMG	2	EA
240	578186	FITTING,COUPLING, VENTED, INSULATED, W/ END CAP, FOR 8 IN STEEL PIPE, EZB8VIUMG	2	EA
3	592668	PIPE, 2 IN IPS X 0.216 IN THK WALL SDR 11, 2.375 IN OD, 350 FT LG COIL, POLYETHYLENE, PE3408/PE100	3604	FT
1660	602892	FITTING,TEE, 2 IN IPS X 1 IN IPS, ELECTROFUSION, HDPE, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	13	EA

ISSUED FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
DANIEL D'ELETTO
CIVIL
No. 55061
PROFESSIONAL ENGINEER
DANIEL D'ELETTO, P.E. 2024.08.14 10:00:55-04'00'

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FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
0	ISSUED FOR CONSTRUCTION	8/13/24	KMQ/TH

Revision/Status

EVERSOURCE ENERGY

JAMES ST - GSEP, SPRINGFIELD, MA
PROJECT # 24EG158 / WORK ORDER # 16828139
NOTES

SCALE: 1"=40' ON 22"X34" — SHEET 02 OF 31

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 7/8/2024	TH 7/12/2024	MA-SPR-PIP-24-056-02	B

Attachment: James St - Pro Drawing Rev0 - PE Stamped (8324 : Eversource Gas - James St.)

DRAWING LEGEND

Gas Main Symbology

REGULATING STATION 50' BOUNDARY

EXISTING GAS MAIN — G — G —

PROPOSED GAS MAIN — G — G —

GAS MAIN TO BE ABANDONED — G — G —

GAS MAIN WITH SERVICE TRANSFERS — G — G —

GAS MAIN WITH PRESSURE INCREASE — G — G —

RIGHT-OF-WAY

ELECTRIC — E — E —

WATER LINE — W — W —

SEWER LINE — S — S —

TELEPHONE — T — T —

DRAIN LINE — D — D —

FENCE LINE — x — x — x — x — x — x —

Gas Main Material/Pressure Label References

MATERIAL CODES

CS*	Coated Steel Gas Main
CI*	Cast Iron Gas Main
BS*	Bare Steel Gas Main
WI*	Wrought Iron Gas Main
PH*	High Density Polyethylene Gas Main
PM*	Medium Density Polyethylene Gas Main

PRESSURE CODES

*LP	Low Pressure (<0.5 PSIG or 14" W.C.)
*IP	Intermediate Pressure (>2 PSIG ≤ 10 PSIG)
*MP	Medium Pressure (>10 PSIG ≤ 60 PSIG)
*HP	High Pressure (>60 PSIG)

MISCELLANEOUS CODES

*-SER	Service
*-R	Riser
(TC)	Transmission Class

Gas Main Installation Method Label References

AT	Attached
BH	Bridge Hanger
BLGH	Building Hanger
DB	Directional Bore
IS	Inserted
OC	Open Cut
PB	Pneumatic Bore
PL	Plowed
RT	Roof Top
(E)	Existing
(P)	Proposed

Gas Facility Symbology

x"GV	Gas Valve
x"PV	Critical Gas Valve (Gate - GV, Plug - PV, PE Ball - BP, ST Ball - BV)
x"HVTT	High Volume Tapping Tee
x"SST	Pressure Control Fitting - ShortStopp Tee
x"SPH	Pressure Control Fitting - Spherical Tee
x"MF-BO	Pressure Control Fitting - Mueller Bottom-out
x"MF-SO	Pressure Control Fitting - Mueller Side-out
x"MF-FT	Pressure Control Fitting - Mueller Flange Tee
x"SS	Pressure Control Fitting - ShortStopp
x"MF	Pressure Control Fitting - Mueller Stopper
x"x x" POLYTAP	Polytapp Side Saddle Fitting
	Transition
	End Cap
	Riser
	Reducer
EM	Electronic Marker
TWS	Flush-mounted Tracer Wire Station
	Post Pipeline Marker with Tracer Wire
MM	Gas Main Marker without Tracer Wire
W	Test Well
R	Regulator Station
R	Single Customer Regulator
M	Meter
MR	Meter with Regulator
	Test Point (Station)
T	Gas Service Tie-over
R	Gas Service Replacement
MMO	Meter Move Out

Swing Tie Symbology

T	Telephone Manhole
D	Drain Manhole
E	Electric Manhole
	Catch Basis
S	Sewer Manhole
	Fire Hydrant
	Utility Pole
	Property Marker
T	Telephone Pedestal
C	Television Pedestal
U	Unknown Manhole
	Water Box
	Water Gate
E	Electric Pedestal
	Iron Pin
	Light Pole
	INSIDE METER
	OUTSIDE METER

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COMMONWEALTH OF MASSACHUSETTS — DANIEL D'ELETTO CIVIL No. 55061 — PROFESSIONAL ENGINEER

DANIEL D'ELETTO, P.E. 2024.08.14 10:00:55-04'00'

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FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
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EVERSOURCE ENERGY

JAMES ST - GSEP, SPRINGFIELD, MA

PROJECT # 24EG158 / WORK ORDER # 16828139

LEGEND

SCALE: 1"=40' ON 22"X34" SHEET 03 OF 31

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 7/8/2024	TH 7/12/2024	MA-SPR-PIP-24-056-03	B

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MATCH LINE - SHEET 5 OF 31

MATCH LINE - SHEET 9 OF 31

CEDAR STREET

PINE STREET

ASHLEY STREET

BRIGHAM STREET

OC~1,224'-2" PHMP

OC~1,116'-2" PHMP

4" CILP

4" PHLP-2012

4" PHLP-1994

4" PHLP-1999

6" CSLP-1982

6" CSLP

13'±

8'±

3'±

2'±

4'±

SEE DETAIL B ON SHEET #11

SEE DETAIL C ON SHEET #12

1 1/4" PL

92 FLORENCE ST

KEY MAP

SCALE: N.T.S.

06-31 07-31 05-31 08-31 04-31 09-31

No.	Description	Date	Dw/Ck
0	ISSUED FOR CONSTRUCTION	8/13/24	KMQ/TH

Revision/Status

ISSUED FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
DANIEL D'ELETTO
CIVIL
No. 55061
PROFESSIONAL ENGINEER

DANIEL D'ELETTO, P.E. 2024.08.14 10:00:56-04'00'

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FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

EVERSOURCE ENERGY

JAMES ST - GSEP, SPRINGFIELD, MA

PROJECT # 24EG158 / WORK ORDER # 16828139

PROJECT LOCATION PLANS

SCALE: 1"=40' ON 22"X34" SHEET 04 OF 31

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 7/8/2024	TH 7/12/2024	MA-SPR-PIP-24-056-04	B

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MATCH LINE - SHEET 6 OF 31

MATCH LINE - SHEET 8 OF 31

MATCH LINE - SHEET 4 OF 31

3'±
4" CSLP-1964
OC~948'-2" PHMP
6'±
JAMES STREET
WALNUT STREET
6" PHMP-2006
OC~605'-2" PHMP
3" CILP
SEE DETAIL A
ON SHEET #10
LEBANON STREET
8'±
4" PHLP-2006
4" CILP
CEDAR STREET
OC~1,224'-2" PHMP
4" CSLP-1964
OC~948'-2" PHMP
3'±
4" CILP
13'±
SEE DETAIL D
ON SHEET #13
4" PHMP-1990

KEY MAP
SCALE: N.T.S.

No.	Description	Date	Dw/Ck
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COMMONWEALTH OF MASSACHUSETTS
DANIEL D'ELETTO
CIVIL
No. 55061
PROFESSIONAL ENGINEER
DANIEL D'ELETTO, P.E.
2024.08.14 10:00:56-04'00'

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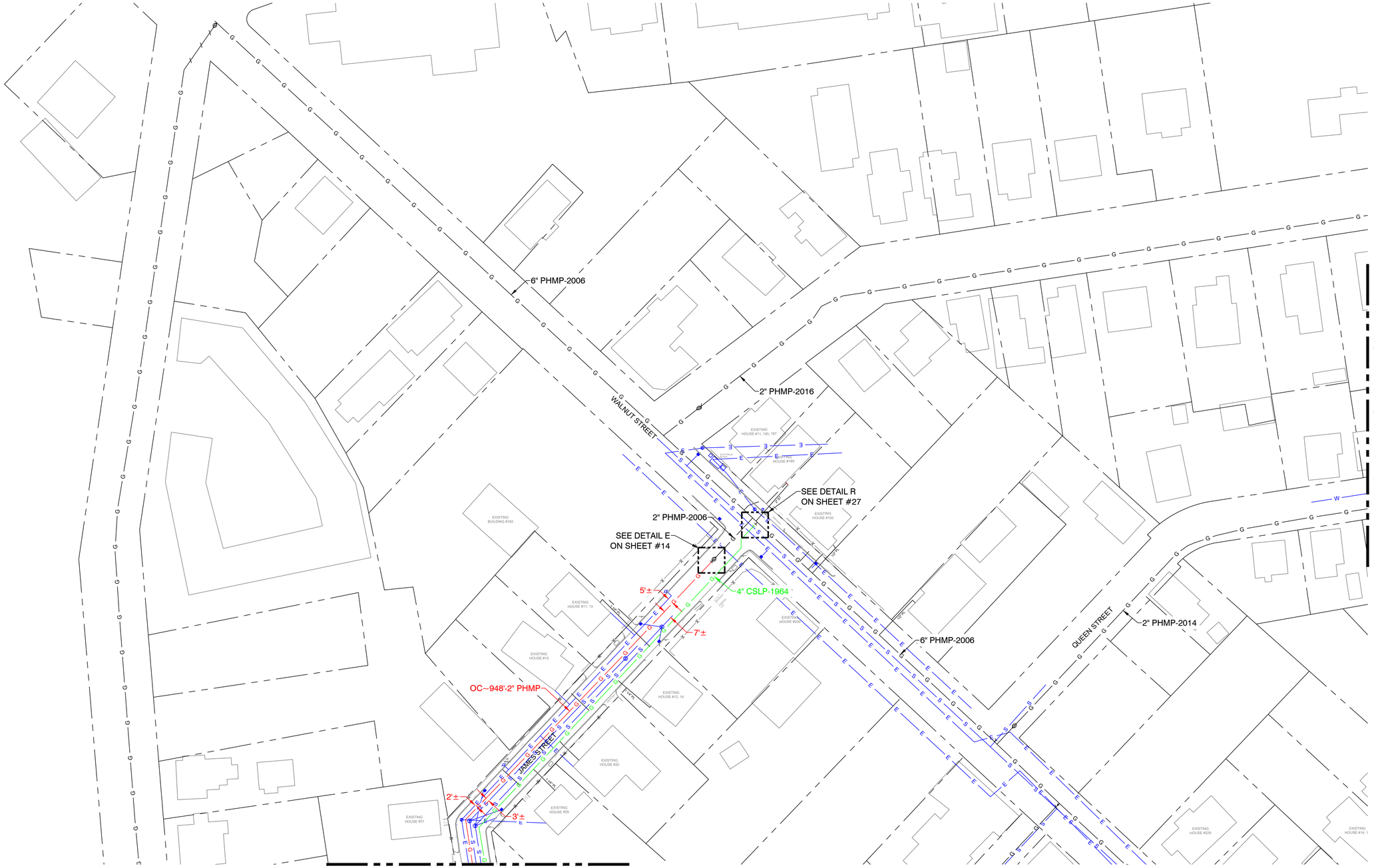
EVERSOURCE ENERGY

JAMES ST - GSEP, SPRINGFIELD, MA
PROJECT # 24EG158 / WORK ORDER # 16828139
PROJECT LOCATION PLANS
SCALE: 1"=40' ON 22"X34" SHEET 05 OF 31

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 7/8/2024	TH 7/12/2024	MA-SPR-PIP-24-056-05	B



MATCH LINE - SHEET 7 OF 31

MATCH LINE - SHEET 5 OF 31

KEY MAP
SCALE: N.T.S.

No.	Description	Date	Dw/Ck
0	ISSUED FOR CONSTRUCTION	8/13/24	KMQ/TH

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COMMONWEALTH OF MASSACHUSETTS
DANIEL D'ELETTO
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No. 55061
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PROJECT # 24EG158 / WORK ORDER # 16828139

PROJECT LOCATION PLANS

SCALE: 1"=40' ON 22"X34" SHEET 06 OF 31

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 7/8/2024	TH 7/12/2024	MA-SPR-PIP-24-056-06	B

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KEY MAP
SCALE: N.T.S.

No.	Description	Date	Dw/Ck
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COMMONWEALTH OF MASSACHUSETTS
DANIEL D'ELETTO
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DANIEL D'ELETTO, P.E.
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EVERSOURCE ENERGY

JAMES ST - GSEP, SPRINGFIELD, MA
PROJECT # 24EG158 / WORK ORDER # 16828139
PROJECT LOCATION PLANS
SCALE: 1"=40' ON 22"X34" SHEET 07 OF 31

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 7/8/2024	TH 7/12/2024	MA-SPR-PIP-24-056-07	B

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MATCH LINE - SHEET 7 OF 31

MATCH LINE - SHEET 5 OF 31

MATCH LINE - SHEET 9 OF 31

6" CSLP-1961

3'±

6" CILP-1900

OC~792'-6" PHMP

OC~605'-2" PHMP

LEBANON STREET

3" CILP

3'±

SEE DETAIL Q
ON SHEET #26

WARREN PLACE

2" PHLP

6" CILP-1900

6" CILP-1901

SEE DETAIL I
ON SHEET #18

GREENE STREET

2" PHMP-2022

OC~31'-2" PHMP

SEE DETAIL G
ON SHEET #16

3'±

HANCOCK STREET

6" CILP-1901

6" PHLP-2020

8" CSLP-1962

6" PHMP-2019

6" PHMP-2006

6" PHMP-2006

2" PHMP-2014

4" PHMP-1990

6" PHMP-2006

WALNUT STREET

EXISTING HOUSE #05, 28
EXISTING HOUSE #2
EXISTING HOUSE #18
EXISTING BUILDING #227
EXISTING HOUSE #221
EXISTING HOUSE #223
EXISTING BUILDING #229
EXISTING HOUSE #226, 248
EXISTING BUILDING #247, 239
EXISTING BUILDING #247
EXISTING BUILDING #250
EXISTING BUILDING #273
EXISTING BUILDING #305

KEY MAP
SCALE: N.T.S.

N

No.	Description	Date	Dw/Ck
0	ISSUED FOR CONSTRUCTION	8/13/24	KMQ/TH

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COMMONWEALTH OF MASSACHUSETTS
DANIEL D'ELETTO
CIVIL
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PROFESSIONAL ENGINEER

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FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

EVERSOURCE ENERGY

JAMES ST - GSEP, SPRINGFIELD, MA

PROJECT # 24EG158 / WORK ORDER # 16828139

PROJECT LOCATION PLANS

SCALE: 1"=40' ON 22"X34" SHEET 08 OF 31

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 7/8/2024	TH 7/12/2024	MA-SPR-PIP-24-056-08	B

MATCH LINE - SHEET 8 OF 31

MATCH LINE - SHEET 4 OF 31

6" PHMP-2006
6" CSLP-1962
SEE DETAIL P ON SHEET #25
ALDEN STREET
4" PHMP-1994
6" PHMP-2006
4" PHMP
6" PHMP-2015
8" CSLP-1962
SEE DETAIL O ON SHEET #24
4" PHLP-2006
8" CSLP-1962
4" PHLP-1999
6" PHMP-2019
OC~1,116'-2" PHMP
ASHLEY STREET
4" PHMP-2019
8" CSLP-1959
337 WALNUT ST
343 WALNUT ST
WALNUT STREET
4" PHLP-2005
349 WALNUT ST
1214 MANHATTAN ST
4'±
3'±
SEE DETAIL F ON SHEET #15
4" PHLP-1999
HANCOCK STREET
17 MANHATTAN ST
355 WALNUT ST
311 HANCOCK ST
354356 WALNUT ST
6" PHMP-2019
MANHATTAN STREET
15 MANHATTAN ST
2" PHMP-2017
6" PHMP-2015
361363 WALNUT ST
8" CSLP-1959
SEE DETAIL N ON SHEET #23
364 WALNUT ST
4" PHLP-2006
SEE DETAIL M ON SHEET #22
160 FLORENCE ST
156 FLORENCE ST
134 FLORENCE ST
124 FLORENCE ST
120 FLORENCE ST
116 FLORENCE ST
SEE DETAIL L ON SHEET #21
4" PHLP-2005
FLORENCE STREET
102 FLORENCE ST
110 FLORENCE ST
LORENCE ST
6" CSLP-1969
6" CSLP-1969
374382 WALNUT ST
145 FLORENCE ST
163 FLORENCE ST
137 FLORENCE ST
135 FLORENCE ST
FLORENCE STREET

KEY MAP
SCALE: N.T.S.

06-31
07-31
05-31
08-31
04-31
09-31

N

No.	Description	Date	Dw/Ck
0	ISSUED FOR CONSTRUCTION	8/13/24	KMQ/TH
	Revision/Status		

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COMMONWEALTH OF MASSACHUSETTS
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PROFESSIONAL ENGINEER
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EVERSOURCE ENERGY

JAMES ST - GSEP, SPRINGFIELD, MA
PROJECT # 24EG158 / WORK ORDER # 16828139
PROJECT LOCATION PLANS
SCALE: 1"=40' ON 22"X34" SHEET 09 OF 31

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 7/8/2024	TH 7/12/2024	MA-SPR-PIP-24-056-09	B

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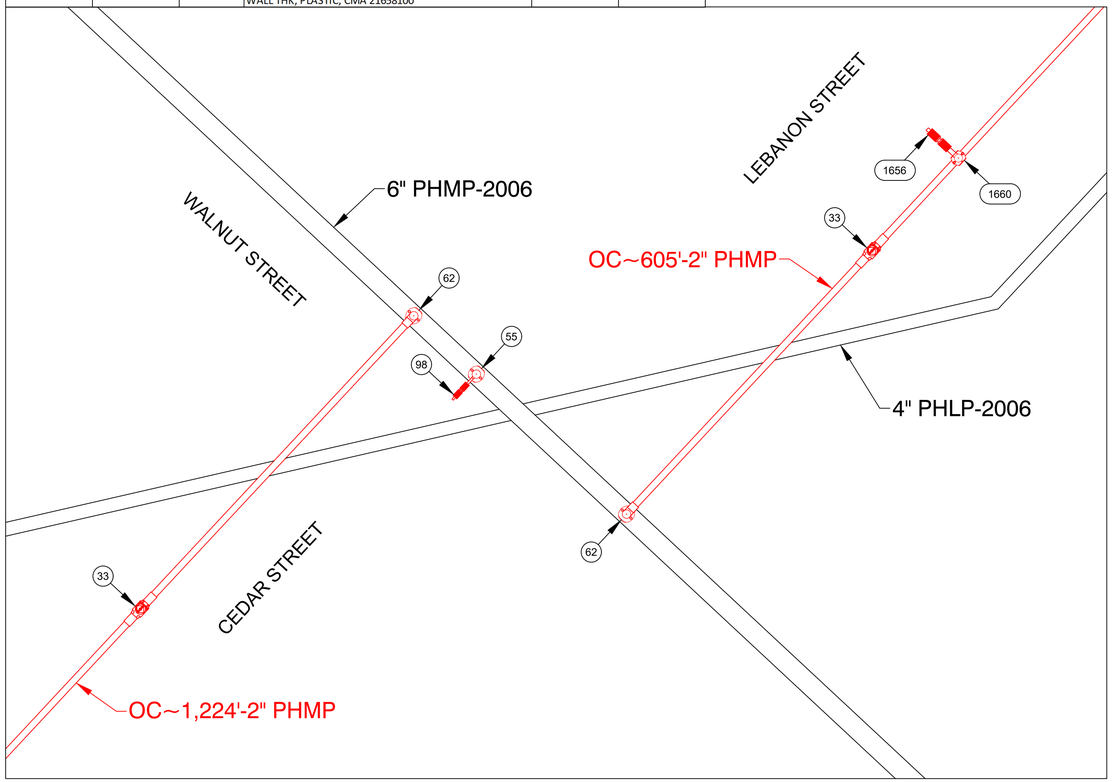
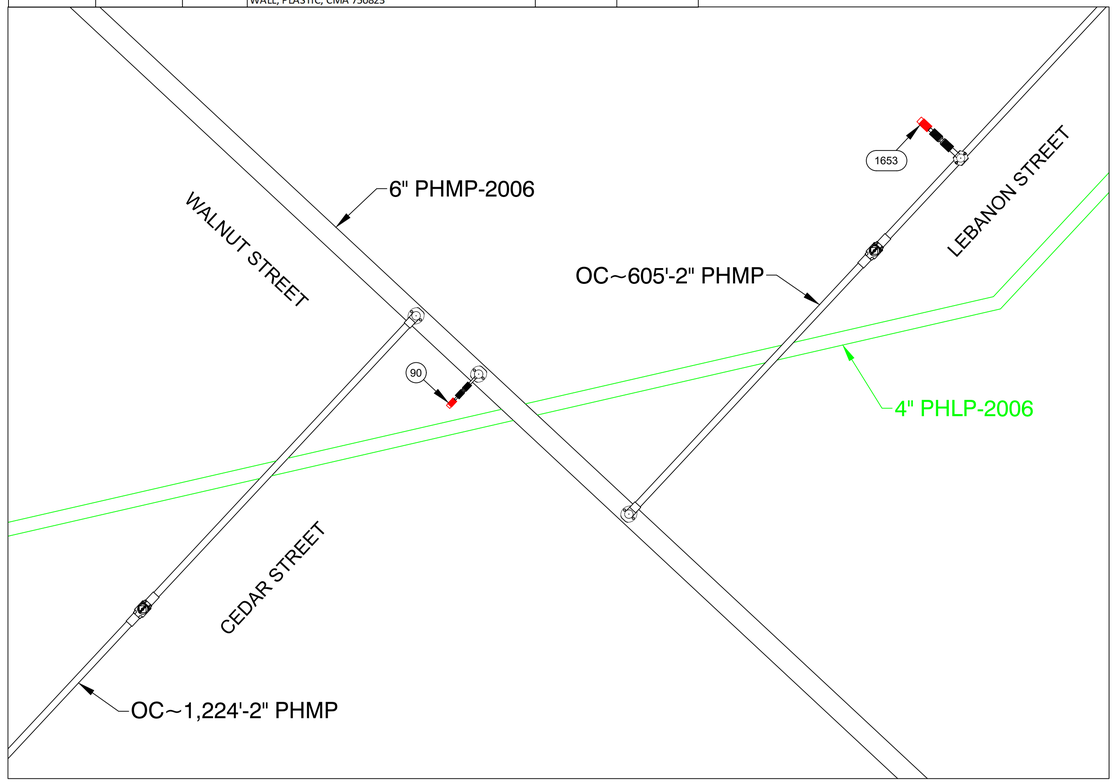
JAMES STREET, SPRINGFIELD				DETAIL "A" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1656	MCJUREMA-000	620089	FITTING,COUPLING, PIPE, LYCOFIT, 1 IN IPS SDR11, PLASTIC	1	EA
1660	MCJUREMA-000	602892	FITTING,TEE, 2 IN IPS X 1 IN IPS, ELECTROFUSION, HDPE, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	1	EA
33	14281726	562087	VALVE,BALL, 2 IN IPS, POLYETHYLENE, SDR 11, BUTT WELD, W/ FULL PORT OPENING	2	EA
55	63051277	500869	TEE,PIPE, NON-BLOWING, 6 X 1/2 IN CTS X 0.090 IN THK WALL SDR 7, ELECTROFUSION X COMPRESSION ENDS, LIGHT WALL, POLYETHYLENE, PE3408/PE100	1	EA
62	63051389	500870	TEE,PIPE, 6 X 2 IN IPS , ELECTROFUSION, PLASTIC, P100, W/ 1.8 IN PERF, 5/BOX	2	EA
98	63424035	610764	FITTING,COUPLING, PIPE, LYCOFIT, 1/2 IN CTS X 0.090 IN WALL THK, PLASTIC, CMA 21658100	1	EA



PREPARATORY TIE-IN DETAIL A
NOT TO SCALE

JAMES STREET, SPRINGFIELD				DETAIL "A" FINAL	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1653	MCJUREMA-000	620808	FITTING,CAP, LYCOFIT, 1 IN IPS SDR 11, PLASTIC, ASTM F1924	1	EA
90	63424221	610757	FITTING,CAP, END, LYCOFIT, 1/2 IN CTS X 0.090 IN THK WALL, PLASTIC, CMA 750823	1	EA



FINAL TIE-IN DETAIL A
NOT TO SCALE

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COMMONWEALTH OF MASSACHUSETTS
DANIEL D'ELETTO
CIVIL
No. 55061
PROFESSIONAL ENGINEER
DANIEL D'ELETTO, P.E. 2024.08.14 10:00:58-04'00'

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No.	Description	Date	Dw/Ck
0	ISSUED FOR CONSTRUCTION	8/13/24	KMQ/TH

Revision/Status

EVERSOURCE ENERGY

JAMES ST - GSEP, SPRINGFIELD, MA
PROJECT # 24EG158 / WORK ORDER # 16828139
PREPARATORY AND FINAL TIE-IN DETAILS
SCALE: 1"=40' ON 22"X34" SHEET 10 OF 31

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 7/8/2024	TH 7/12/2024	MA-SPR-PIP-24-056-10	B

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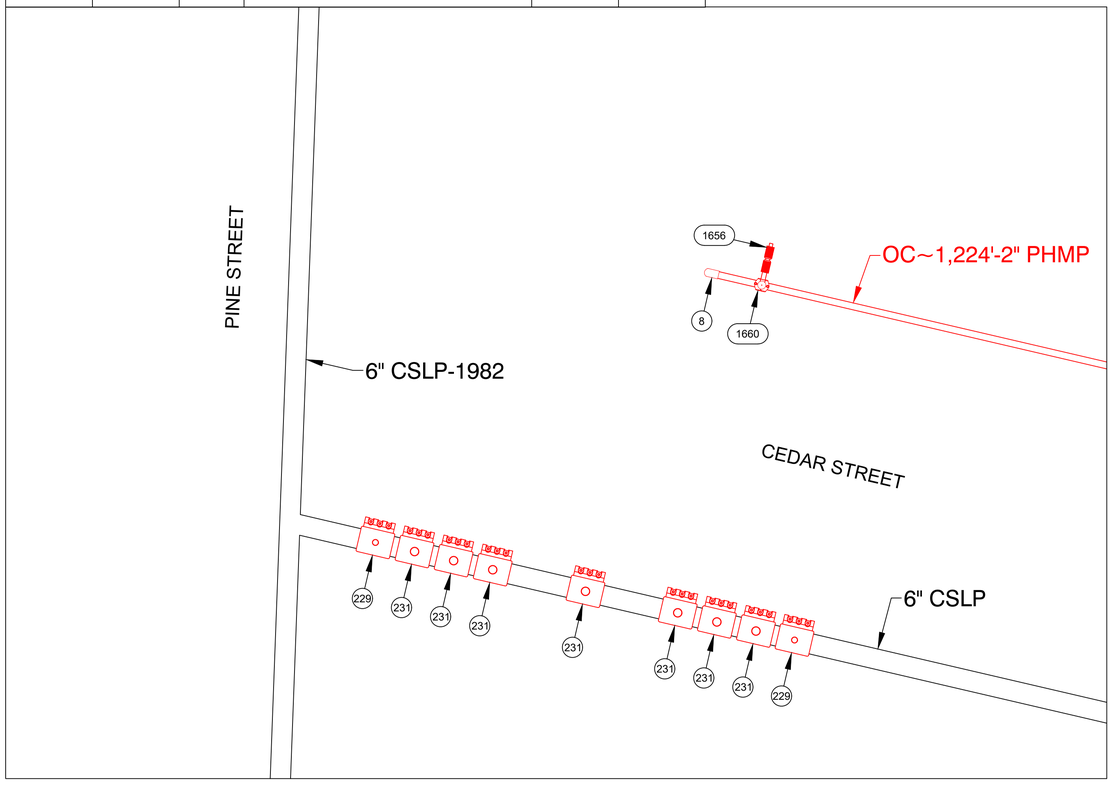
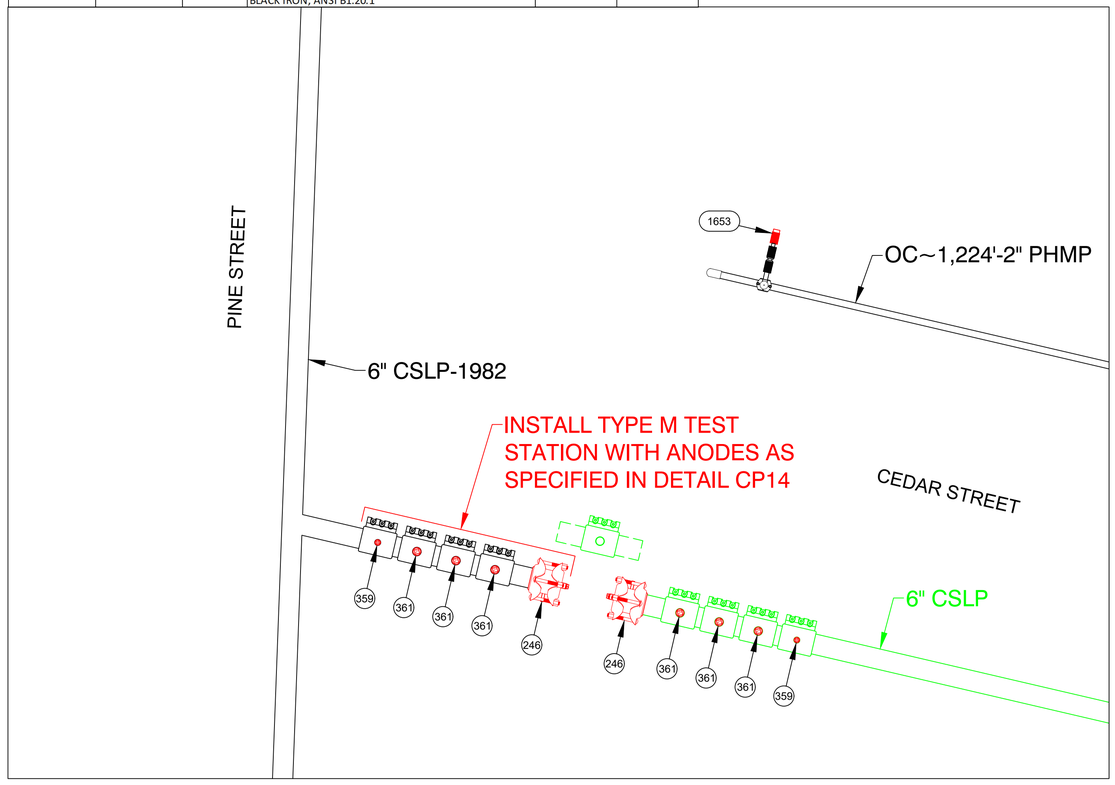
JAMES STREET, SPRINGFIELD				DETAIL "B" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1656	MCJUREMA-000	620089	FITTING,COUPLING, PIPE, LYCOFIT, 1 IN IPS SDR11, PLASTIC	1	EA
1660	MCJUREMA-000	602892	FITTING,TEE, 2 IN IPS X 1 IN IPS, ELECTROFUSION, HDPE, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	1	EA
229	63462245	543029	CLAMP,PIPE, REPAIR, 6 IN IPS, SS, W/1-1/4 IN TAP	2	EA
231	63462157	578003 / 543029	6 X 9 X 2 OUT MUELLER 509-09-0655 100# 1 SECT REPAIR CLAMP GRID TAPR'D END GSK	7	EA
8	63078024	542572	CAP,PIPE, 2 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	1	EA



PREPARATORY TIE-IN DETAIL B
NOT TO SCALE

JAMES STREET, SPRINGFIELD				DETAIL "B" FINAL	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1653	MCJUREMA-000	620808	FITTING,CAP, LYCOFIT, 1 IN IPS SDR 11, PLASTIC, ASTM F1924	1	EA
246	63483200	578185	FITTING,COUPLING, VENTED, INSULATED, 6 IN, W/ END CAP, FOR STEEL PIPE, EZB6VIUMG	2	EA
359	19080285	554877	PLUG,PIPE, SQUARE HEAD, SOLID, 1-1/4 IN, THREADED END, BLACK IRON, ANSI B1.20.1	2	EA
361	19080340	554878	PLUG,PIPE, SQUARE HEAD, SOLID, 2 IN, THREADED END, BLACK IRON, ANSI B1.20.1	6	EA



FINAL TIE-IN DETAIL B
NOT TO SCALE

ISSUED FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
DANIEL D'ELETTO
CIVIL
No. 55061
PROFESSIONAL ENGINEER
DANIEL D'ELETTO, P.E.
2024.08.14 10:00:59-04'00'

TRC
215 GREENFIELD PKY | Suite 102 | LIVERPOOL, NY 13088

811 Know what's below. Call before you dig.

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
0	ISSUED FOR CONSTRUCTION	8/13/24	KMQ/TH

Revision/Status

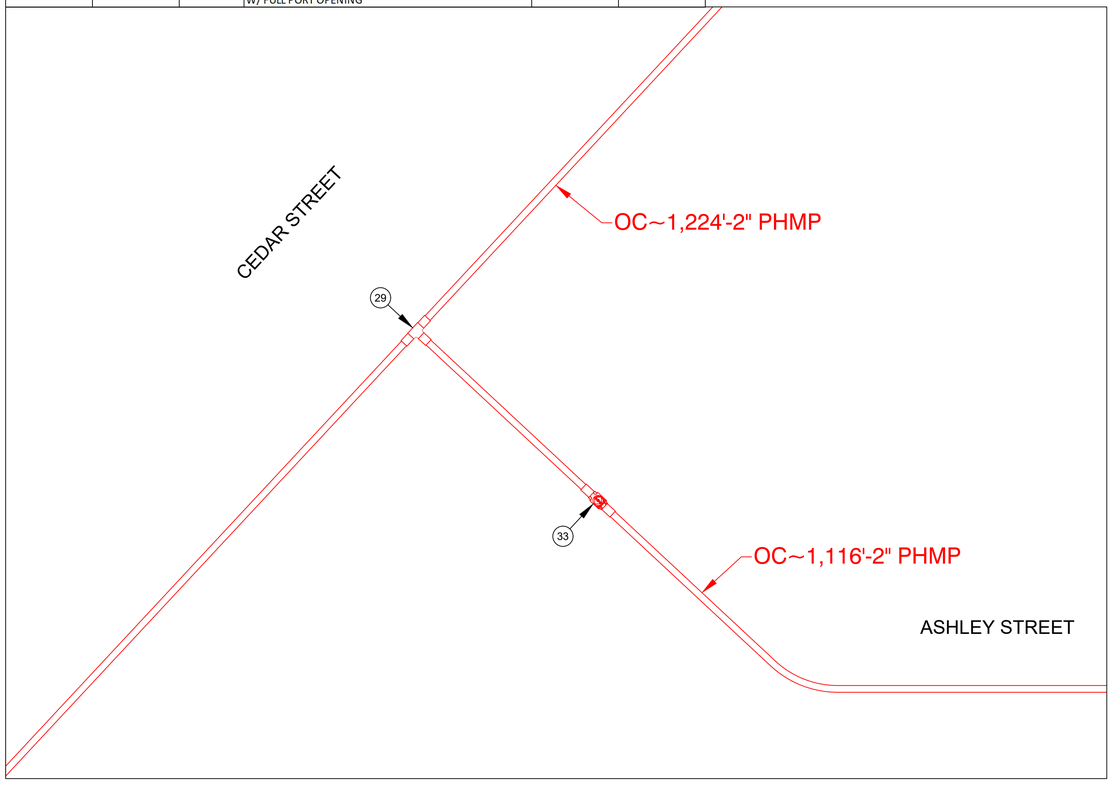
EVERSOURCE ENERGY

JAMES ST - GSEP, SPRINGFIELD, MA
PROJECT # 24EG158 / WORK ORDER # 16828139
PREPARATORY AND FINAL TIE-IN DETAILS
SCALE:1"=40' ON 22"X34" SHEET 11 OF 31

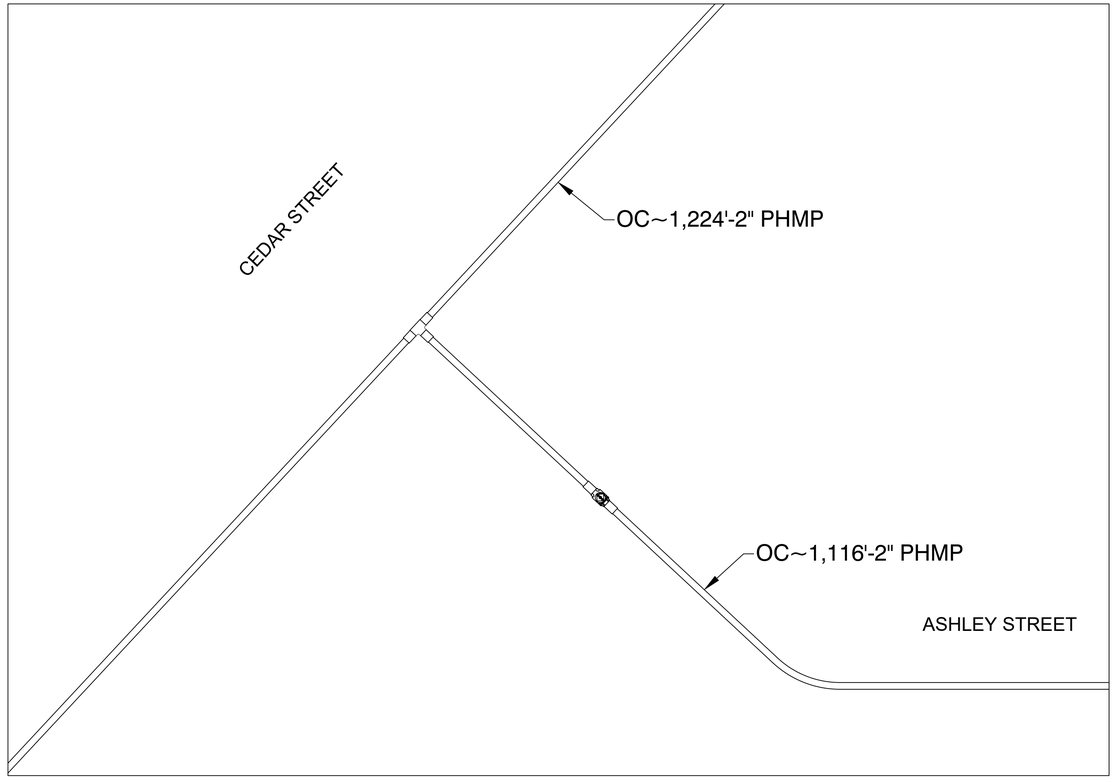
Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 7/8/2024	TH 7/12/2024	MA-SPR-PIP-24-056-11	B

James St - Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
C:\Users\kquinton\AppData\Local\Temp\AcPublish_4468\
Aug 13, 2024 - 2:42pm
Attachment: James St - Pro Drawing Rev0 - PE Stamped (8324 : Eversource Gas - James St.)

JAMES STREET, SPRINGFIELD				DETAIL "C" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
29	63078441	560705	TEE,PIPE, 2 IN IPS SDR 11, BUTT ENDS, POLYETHYLENE, P100	1	EA
33	14281726	562087	VALVE,BALL, 2 IN IPS, POLYETHYLENE, SDR 11, BUTT WELD, W/ FULL PORT OPENING	1	EA



PREPARATORY TIE-IN DETAIL C
NOT TO SCALE



FINAL TIE-IN DETAIL C
NOT TO SCALE

ISSUED FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
DANIEL D'ELETTO CIVIL No. 55061
PROFESSIONAL ENGINEER
DANIEL D'ELETTO, P.E.
2024.08.14 10:00:59-04'00'

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FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
0	ISSUED FOR CONSTRUCTION	8/13/24	KMQ/TH

Revision/Status

EVERSOURCE ENERGY

JAMES ST - GSEP, SPRINGFIELD, MA
PROJECT # 24EG158 / WORK ORDER # 16828139
PREPARATORY AND FINAL TIE-IN DETAILS
SCALE:1"=40' ON 22"X34" SHEET 12 OF 31

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 7/8/2024	TH 7/12/2024	MA-SPR-PIP-24-056-12	B

James St - Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
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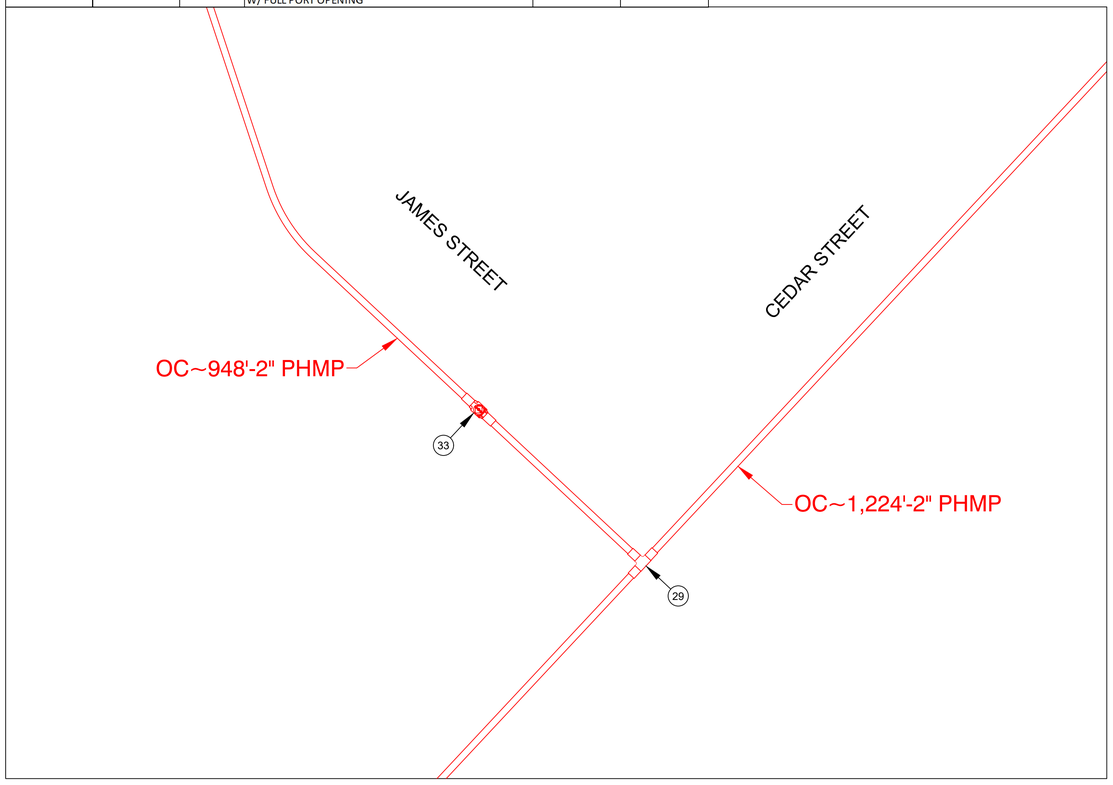
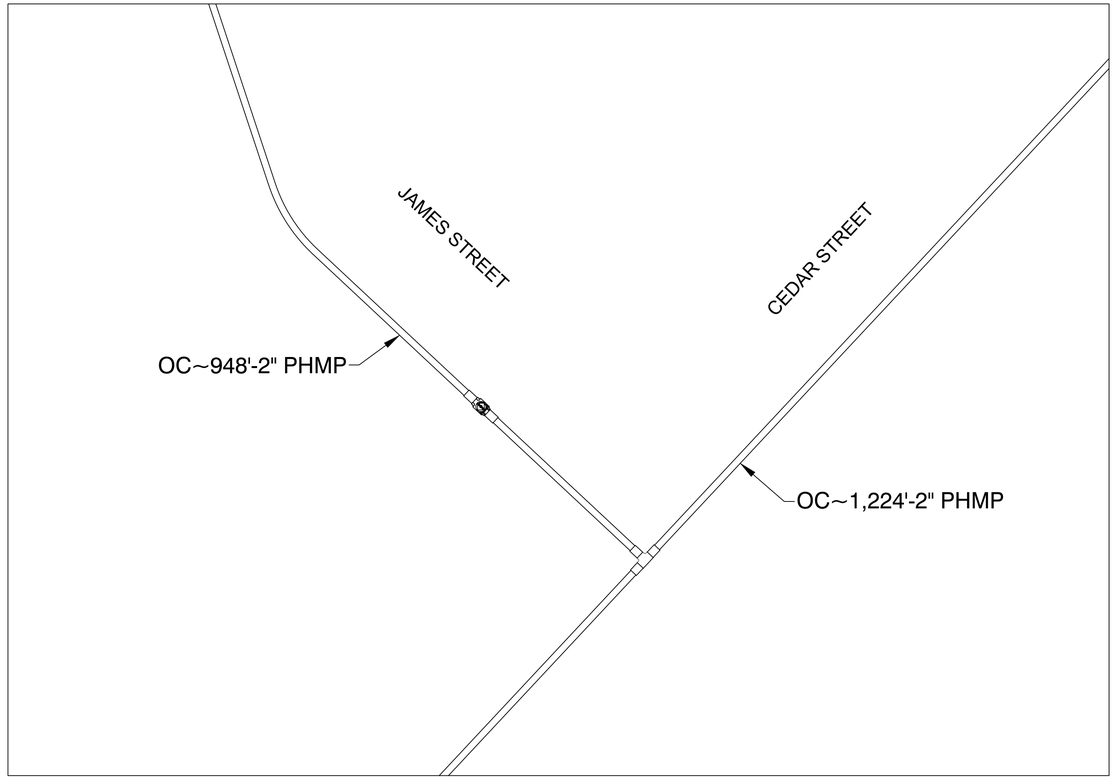
Aug 13, 2024 - 2:42pm
Attachment: James St - Pro Drawing Rev0 - PE Stamped (8324 : Eversource Gas - James St.)

JAMES STREET, SPRINGFIELD				DETAIL "D" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
29	63078441	560705	TEE,PIPE, 2 IN IPS SDR 11, BUTT ENDS, POLYETHYLENE, P100	1	EA
33	14281726	562087	VALVE,BALL, 2 IN IPS, POLYETHYLENE, SDR 11, BUTT WELD, W/ FULL PORT OPENING	1	EA



PREPARATORY TIE-IN DETAIL D
NOT TO SCALE



FINAL TIE-IN DETAIL D
NOT TO SCALE

ISSUED FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
DANIEL D'ELETTO CIVIL No. 55061
PROFESSIONAL ENGINEER
DANIEL D'ELETTO, P.E.
2024.08.14 10:01:00-04'00'

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FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
0	ISSUED FOR CONSTRUCTION	8/13/24	KMQ/TH

Revision/Status

EVERSOURCE ENERGY

JAMES ST - GSEP, SPRINGFIELD, MA
PROJECT # 24EG158 / WORK ORDER # 16828139
PREPARATORY AND FINAL TIE-IN DETAILS
SCALE:1"=40' ON 22"X34" SHEET 13 OF 31

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 7/8/2024	TH 7/12/2024	MA-SPR-PIP-24-056-13	B

James St - Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
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Aug 13, 2024 - 2:42pm
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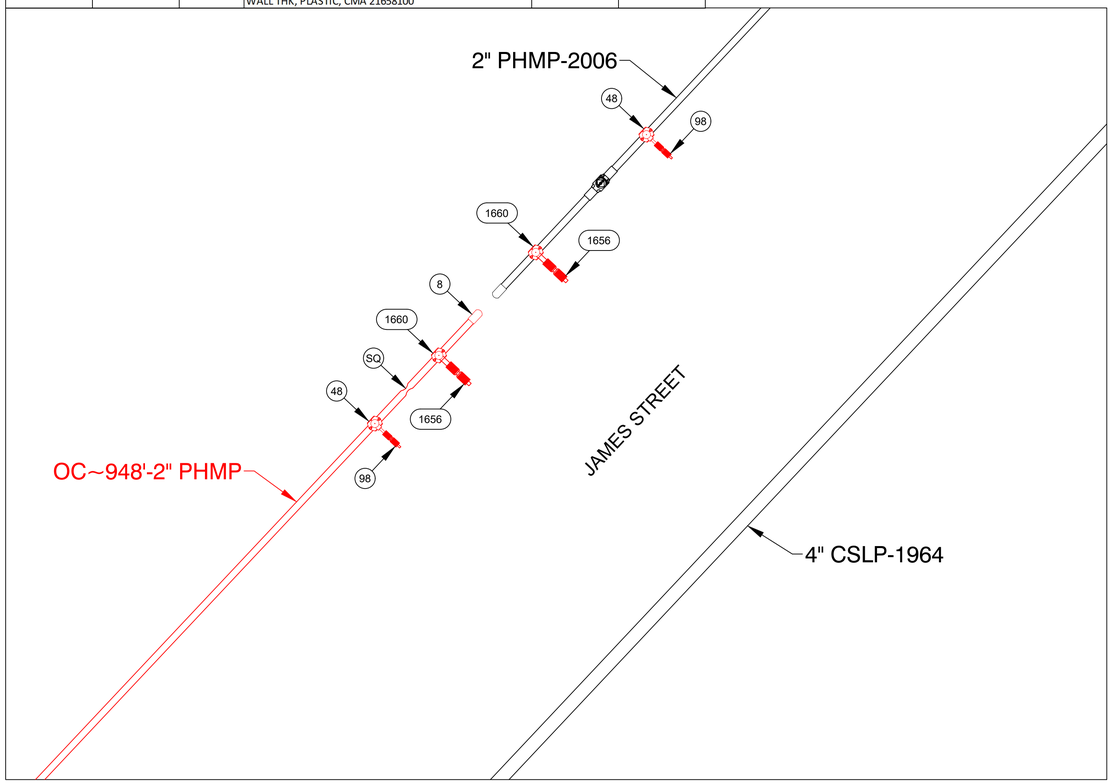
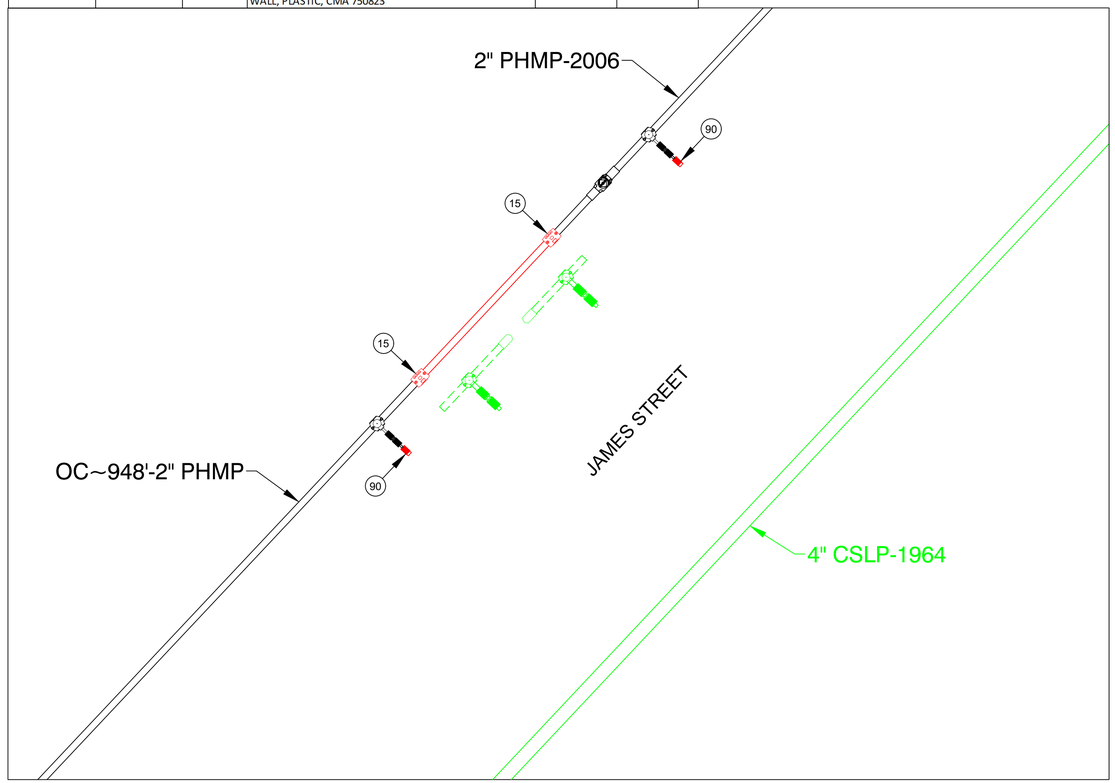
JAMES STREET, SPRINGFIELD				DETAIL "E" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1656	MCJUREMA-000	620089	FITTING,COUPLING, PIPE, LYCOFIT, 1 IN IPS SDR11, PLASTIC	2	EA
1660	MCJUREMA-000	602892	FITTING,TEE, 2 IN IPS X 1 IN IPS, ELECTROFUSION, HDPE, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	2	EA
48	63051215	500866	TEE,PIPE, NON-BLOWING, 2 X 1/2 IN CTS X 0.090 IN THK WALL SDR 7, ELECTROFUSION X COMPRESSION ENDS, LIGHT WALL, POLYETHYLENE, PE3408/PE100	2	EA
8	63078024	542572	CAP,PIPE, 2 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	1	EA
98	63424035	610764	FITTING,COUPLING, PIPE, LYCOFIT, 1/2 IN CTS X 0.090 IN WALL THK, PLASTIC, CMA 21658100	2	EA



PREPARATORY TIE-IN DETAIL E
NOT TO SCALE

JAMES STREET, SPRINGFIELD				DETAIL "E" FINAL	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
15	63054025	500854	COUPLING, 2 IN IPS, ELECTROFUSION, PLASTIC,P100	2	EA
90	63424221	610757	FITTING,CAP, END, LYCOFIT, 1/2 IN CTS X 0.090 IN THK WALL, PLASTIC, CMA 750823	2	EA



FINAL TIE-IN DETAIL E
NOT TO SCALE

ISSUED FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
DANIEL D'ELETTO CIVIL No. 55061
PROFESSIONAL ENGINEER
DANIEL D'ELETTO, P.E. 2024.08.14 10:01:00-04'00'

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FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
0	ISSUED FOR CONSTRUCTION	8/13/24	KMQ/TH

Revision/Status

EVERSOURCE ENERGY

JAMES ST - GSEP, SPRINGFIELD, MA
PROJECT # 24EG158 / WORK ORDER # 16828139
PREPARATORY AND FINAL TIE-IN DETAILS
SCALE: 1"=40' ON 22"X34" SHEET 14 OF 31

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 7/8/2024	TH 7/12/2024	MA-SPR-PIP-24-056-14	B

James St - Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
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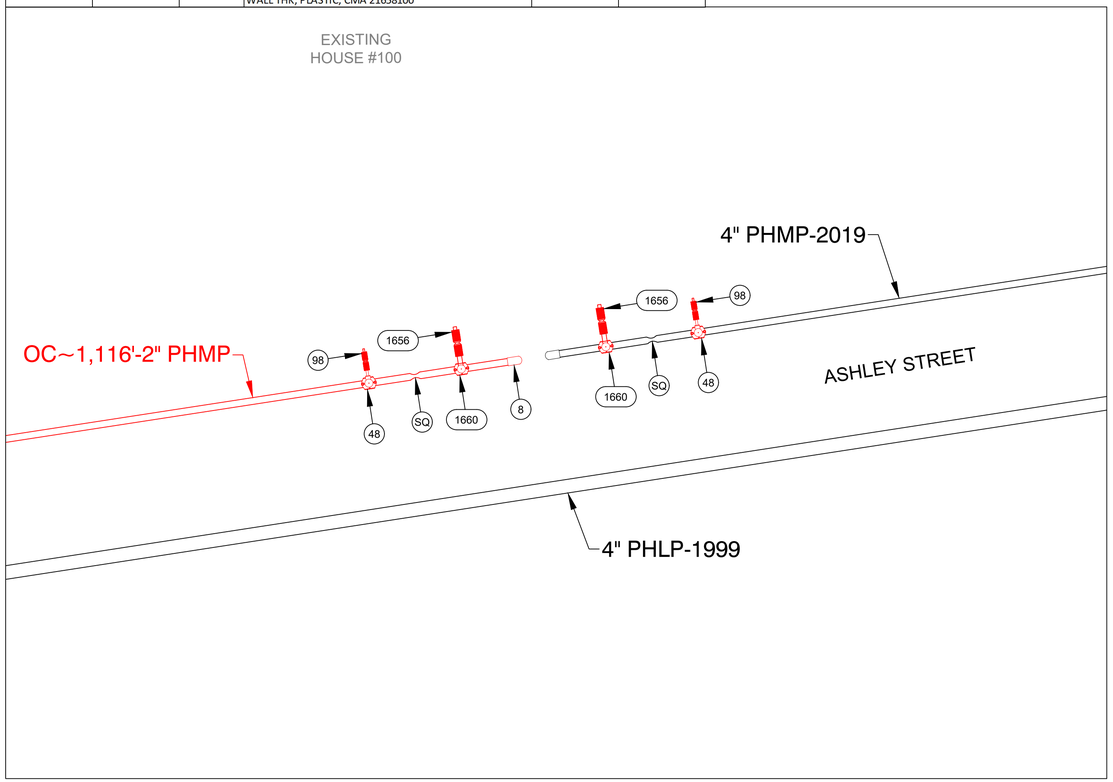
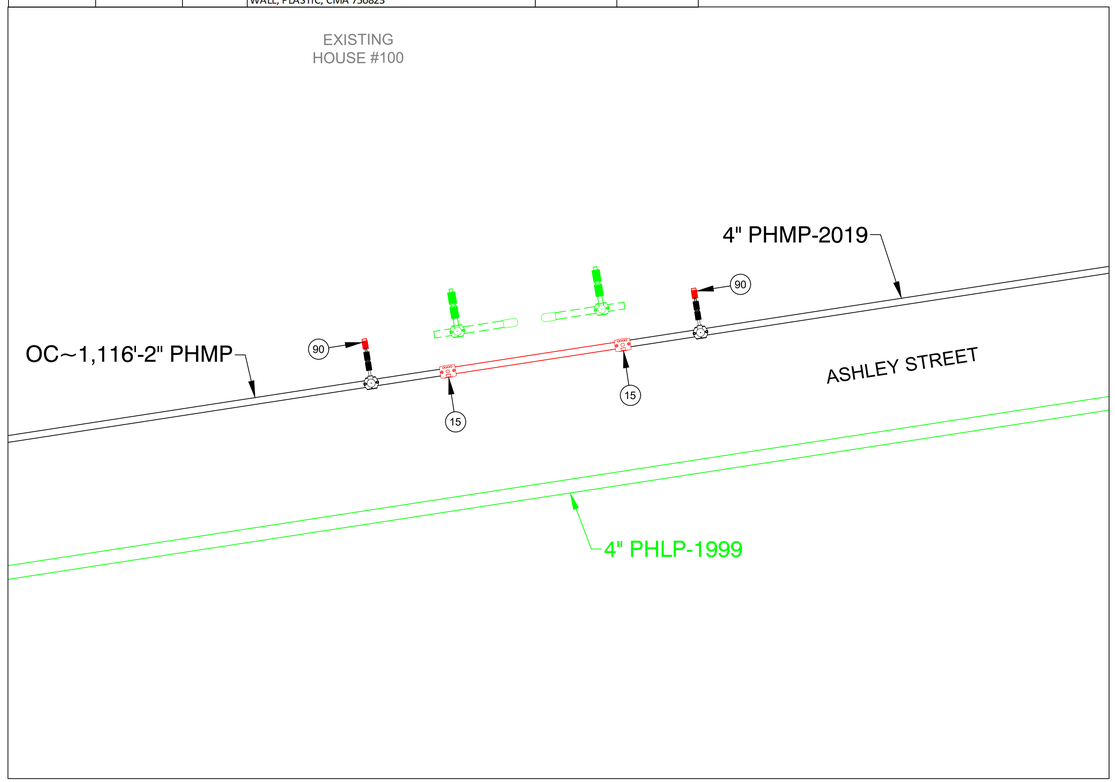
Aug 13, 2024 - 2:42pm
Attachment: James St - Pro Drawing Rev0 - PE Stamped (8324 : Eversource Gas - James St.)

JAMES STREET, SPRINGFIELD				DETAIL "F" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1656	MCJUREMA-000	620089	FITTING,COUPLING, PIPE, LYCOFIT, 1 IN IPS SDR11, PLASTIC	2	EA
1660	MCJUREMA-000	602892	FITTING,TEE, 2 IN IPS X 1 IN IPS, ELECTROFUSION, HDPE, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	2	EA
48	63051215	500866	TEE,PIPE, NON-BLOWING, 2 X 1/2 IN CTS X 0.090 IN THK WALL SDR 7, ELECTROFUSION X COMPRESSION ENDS, LIGHT WALL, POLYETHYLENE, PE3408/PE100	2	EA
8	63078024	542572	CAP,PIPE, 2 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	1	EA
98	63424035	610764	FITTING,COUPLING, PIPE, LYCOFIT, 1/2 IN CTS X 0.090 IN WALL THK, PLASTIC, CMA 21658100	2	EA



PREPARATORY TIE-IN DETAIL F
NOT TO SCALE

JAMES STREET, SPRINGFIELD				DETAIL "F" FINAL	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
15	63054025	500854	COUPLING, 2 IN IPS, ELECTROFUSION, PLASTIC,P100	2	EA
90	63424221	610757	FITTING,CAP, END, LYCOFIT, 1/2 IN CTS X 0.090 IN THK WALL, PLASTIC, CMA 750823	2	EA



FINAL TIE-IN DETAIL F
NOT TO SCALE

ISSUED FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
DANIEL D'ELETTO
CIVIL
No. 55061
PROFESSIONAL ENGINEER
DANIEL D'ELETTO, P.E. 2024.08.14 10:01:01-04'00'

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FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
0	ISSUED FOR CONSTRUCTION	8/13/24	KMQ/TH

Revision/Status

EVERSOURCE ENERGY

JAMES ST - GSEP, SPRINGFIELD, MA

PROJECT # 24EG158 / WORK ORDER # 16828139

PREPARATORY AND FINAL TIE-IN DETAILS

SCALE:1"=40' ON 22"X34" SHEET 15 OF 31

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 7/8/2024	TH 7/12/2024	MA-SPR-PIP-24-056-15	B

James St - Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
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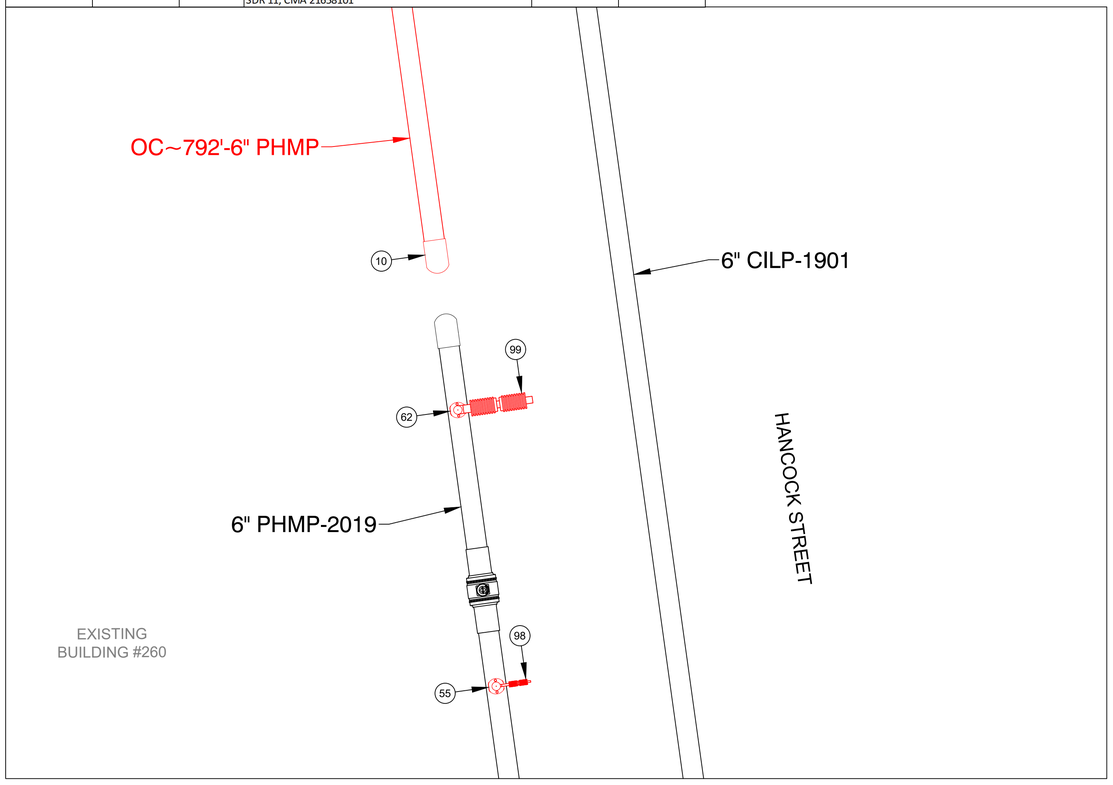
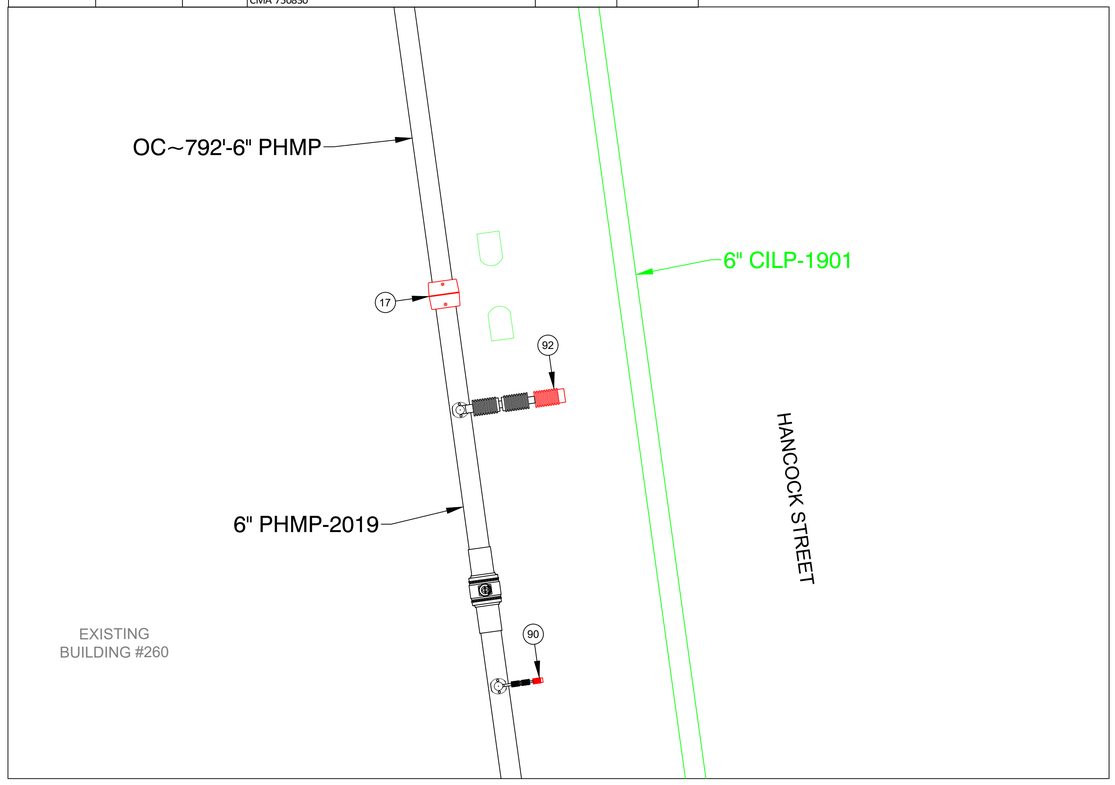
Aug 13, 2024 - 2:42pm
Attachment: James St - Pro Drawing Rev0 - PE Stamped (8324 : Eversource Gas - James St.)

JAMES STREET, SPRINGFIELD				DETAIL "G" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
10	63078054	542539	CAP,PIPE, 6 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	1	EA
55	63051277	500869	TEE,PIPE, NON-BLOWING, 6 X 1/2 IN CTS X 0.090 IN THK WALL SDR 7, ELECTROFUSION X COMPRESSION ENDS, LIGHT WALL, POLYETHYLENE, PE3408/PE100	1	EA
62	63051389	500870	TEE,PIPE, 6 X 2 IN IPS , ELECTROFUSION, PLASTIC, P100, W/ 1.8 IN PERF, 5/BOX	1	EA
98	63424035	610764	FITTING,COUPLING, PIPE, LYCOFIT, 1/2 IN CTS X 0.090 IN WALL THK, PLASTIC, CMA 21658100	1	EA
99	63424109	610772	FITTING,COUPLING, REPAIR, LYCOFIT, 2 IN IPS, PLASTIC, SDR 11, CMA 21658101	1	EA



PREPARATORY TIE-IN DETAIL G
NOT TO SCALE

JAMES STREET, SPRINGFIELD				DETAIL "G" FINAL	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
17	63051039	500856	COUPLING,PIPE, 6 IN IPS, ELECTROFUSION, PLASTIC, P100	1	EA
90	63424221	610757	FITTING,CAP, END, LYCOFIT, 1/2 IN CTS X 0.090 IN THK WALL, PLASTIC, CMA 750823	1	EA
92	63424023	610763	FITTING,CAP, END, LYCOFIT, 2 IN IPS X 0.121 IN THK WALL instead of 2 IN CTS X 0.121 IN THK WALL, PLASTIC, SDR 11, CMA 750830	1	EA



FINAL TIE-IN DETAIL G
NOT TO SCALE

ISSUED FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
DANIEL D'ELETTO
CIVIL
No. 55061
PROFESSIONAL ENGINEER
DANIEL D'ELETTO, P.E. 2024.08.14 10:01:01-04'00'

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215 GREENFIELD PKY | Suite 102 | LIVERPOOL, NY 13088

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Know what's below.
Call before you dig.

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
0	ISSUED FOR CONSTRUCTION	8/13/24	KMQ/TH

Revision/Status

EVERSOURCE ENERGY

JAMES ST - GSEP, SPRINGFIELD, MA

PROJECT # 24EG158 / WORK ORDER # 16828139

PREPARATORY AND FINAL TIE-IN DETAILS

SCALE: 1"=40' ON 22"X34" SHEET 16 OF 31

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 7/8/2024	TH 7/12/2024	MA-SPR-PIP-24-056-16	B

James St - Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
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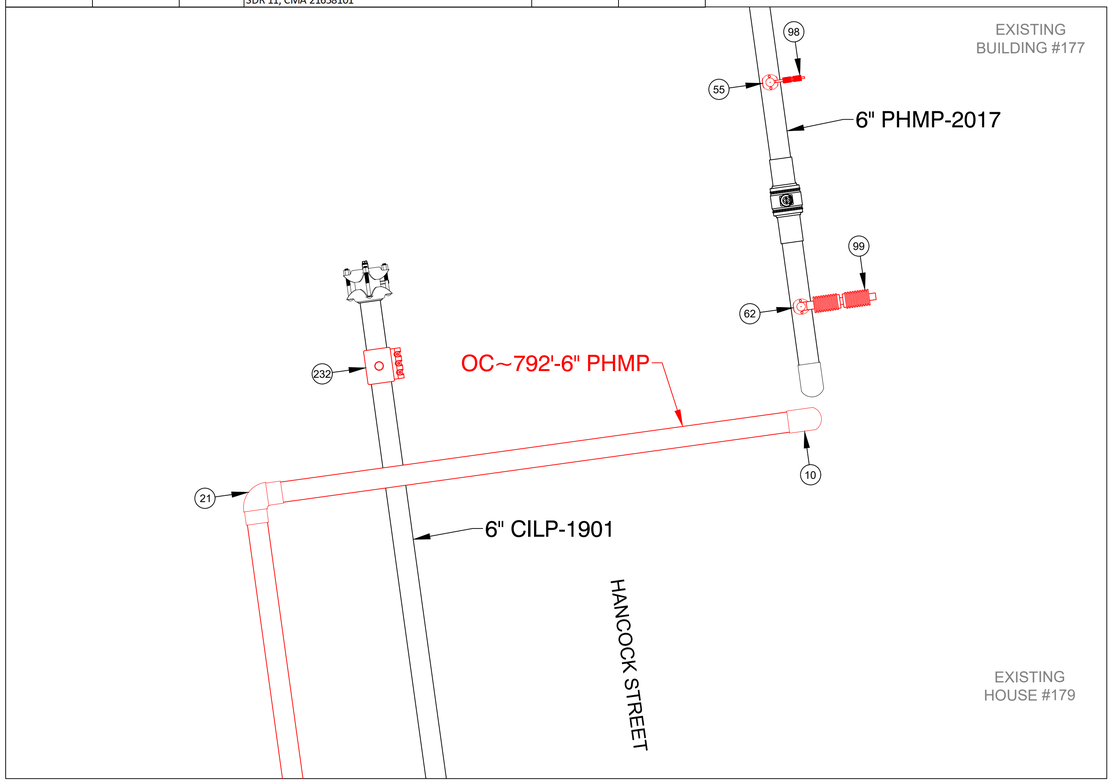
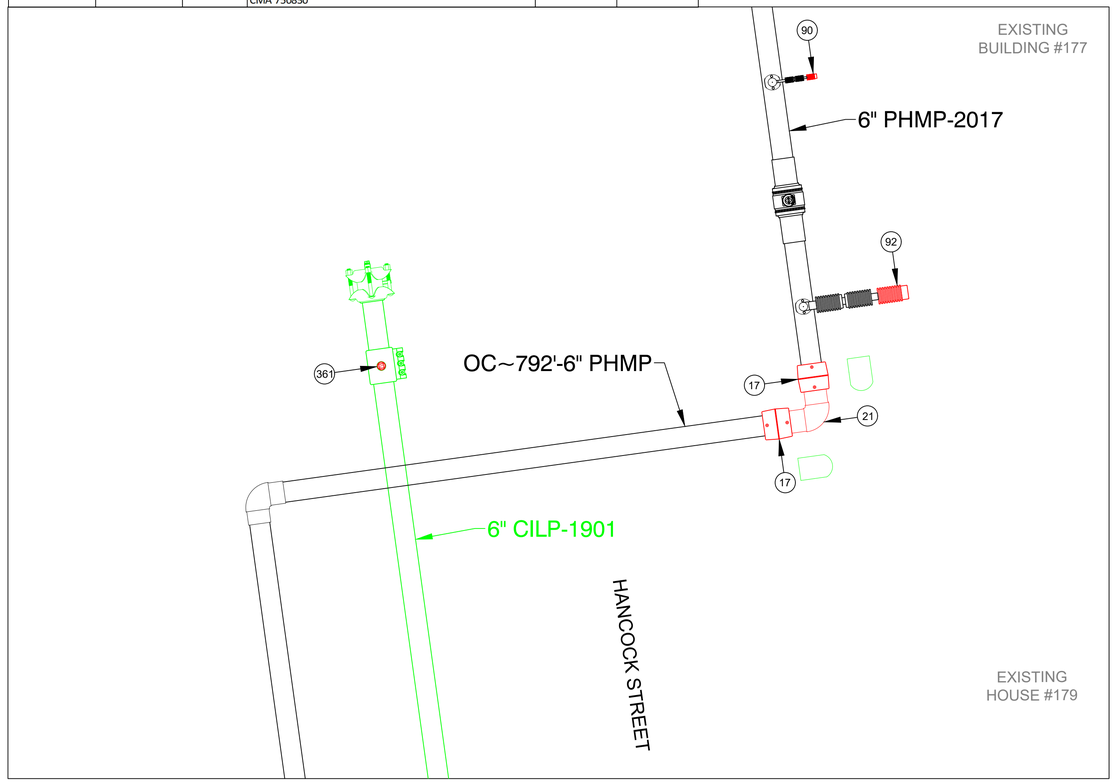
Aug 13, 2024 - 2:42pm
Attachment: James St - Pro Drawing Rev0 - PE Stamped (8324 : Eversource Gas - James St.)

JAMES STREET, SPRINGFIELD					DETAIL "H" PREPARATORY
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
10	63078054	542539	CAP,PIPE, 6 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	1	EA
21	63078150	545342	ELBOW,PIPE, 90 DEG, 6 IN SDR 11, BUTT WELD ENDS, POLYETHYLENE, P100	1	EA
232	63462159	578022	FITTING,CLAMP, SERVI-SEAL REPAIR, 6 IN DIA, 9 IN LG, W/ 2 IN OUTLET, FOR CAST IRON PIPE	1	EA
55	63051277	500869	TEE,PIPE, NON-BLOWING, 6 X 1/2 IN CTS X 0.090 IN THK WALL SDR 7, ELECTROFUSION X COMPRESSION ENDS, LIGHT WALL, POLYETHYLENE, PE3408/PE100	1	EA
62	63051389	500870	TEE,PIPE, 6 X 2 IN IPS , ELECTROFUSION, PLASTIC, P100, W/ 1.8 IN PERF, 5/BOX	1	EA
98	63424035	610764	FITTING,COUPLING, PIPE, LYCOFIT, 1/2 IN CTS X 0.090 IN WALL THK, PLASTIC, CMA 21658100	1	EA
99	63424109	610772	FITTING,COUPLING, REPAIR, LYCOFIT, 2 IN IPS, PLASTIC, SDR 11, CMA 21658101	1	EA



PREPARATORY TIE-IN DETAIL H
NOT TO SCALE

JAMES STREET, SPRINGFIELD					DETAIL "H" FINAL
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
17	63051039	500856	COUPLING,PIPE, 6 IN IPS, ELECTROFUSION, PLASTIC, P100	2	EA
21	63078150	545342	ELBOW,PIPE, 90 DEG, 6 IN SDR 11, BUTT WELD ENDS, POLYETHYLENE, P100	1	EA
361	19080340	554878	PLUG,PIPE, SQUARE HEAD, SOLID, 2 IN, THREADED END, BLACK IRON, ANSI B1.20.1	1	EA
90	63424221	610757	FITTING,CAP, END, LYCOFIT, 1/2 IN CTS X 0.090 IN THK WALL, PLASTIC, CMA 750823	1	EA
92	63424023	610763	FITTING,CAP, END, LYCOFIT, 2 IN IPS X 0.121 IN THK WALL instead of 2 IN CTS X 0.121 IN THK WALL, PLASTIC, SDR 11, CMA 750830	1	EA



FINAL TIE-IN DETAIL H
NOT TO SCALE

ISSUED FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
DANIEL D'ELETTO
CIVIL
No. 55061
PROFESSIONAL ENGINEER
DANIEL D'ELETTO, P.E.
2024.08.14 10:01:02-04'00'

TRC
215 GREENFIELD PKY | Suite 102 | LIVERPOOL, NY 13088

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FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
0	ISSUED FOR CONSTRUCTION	8/13/24	KMQ/TH

Revision/Status

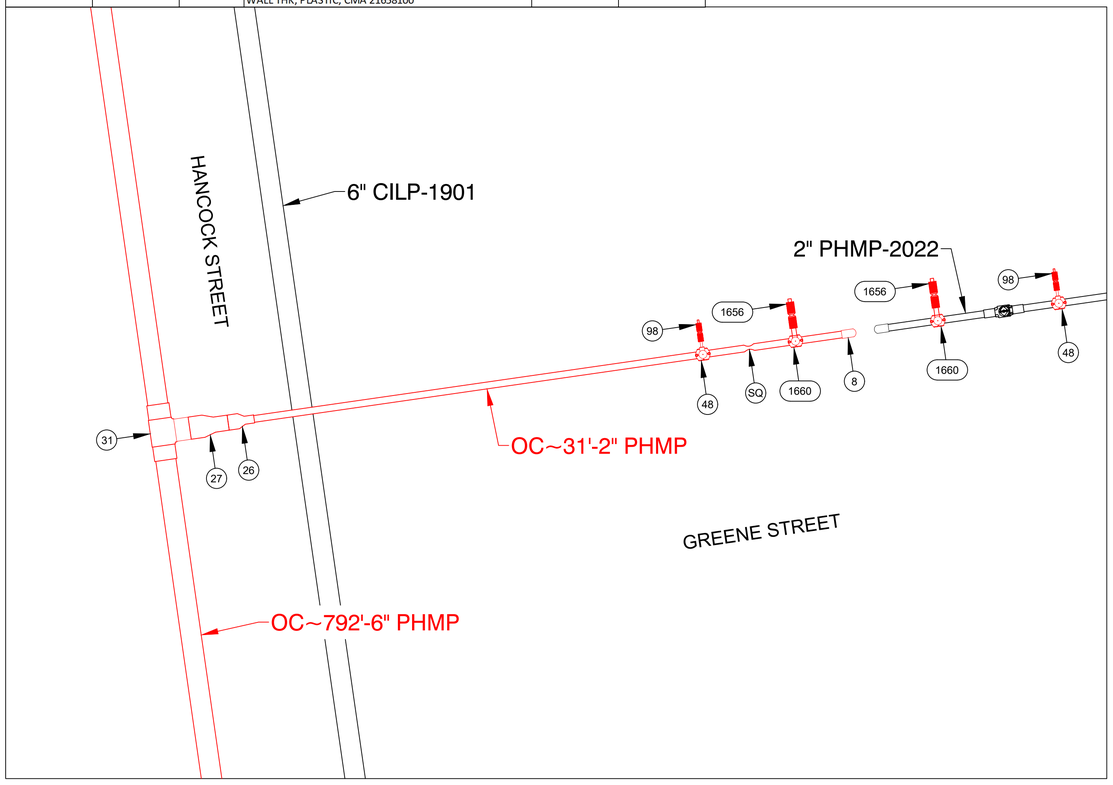
EVERSOURCE ENERGY

JAMES ST - GSEP, SPRINGFIELD, MA
PROJECT # 24EG158 / WORK ORDER # 16828139
PREPARATORY AND FINAL TIE-IN DETAILS
SCALE:1"=40' ON 22"X34" SHEET 17 OF 31

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 7/8/2024	TH 7/12/2024	MA-SPR-PIP-24-056-17	B

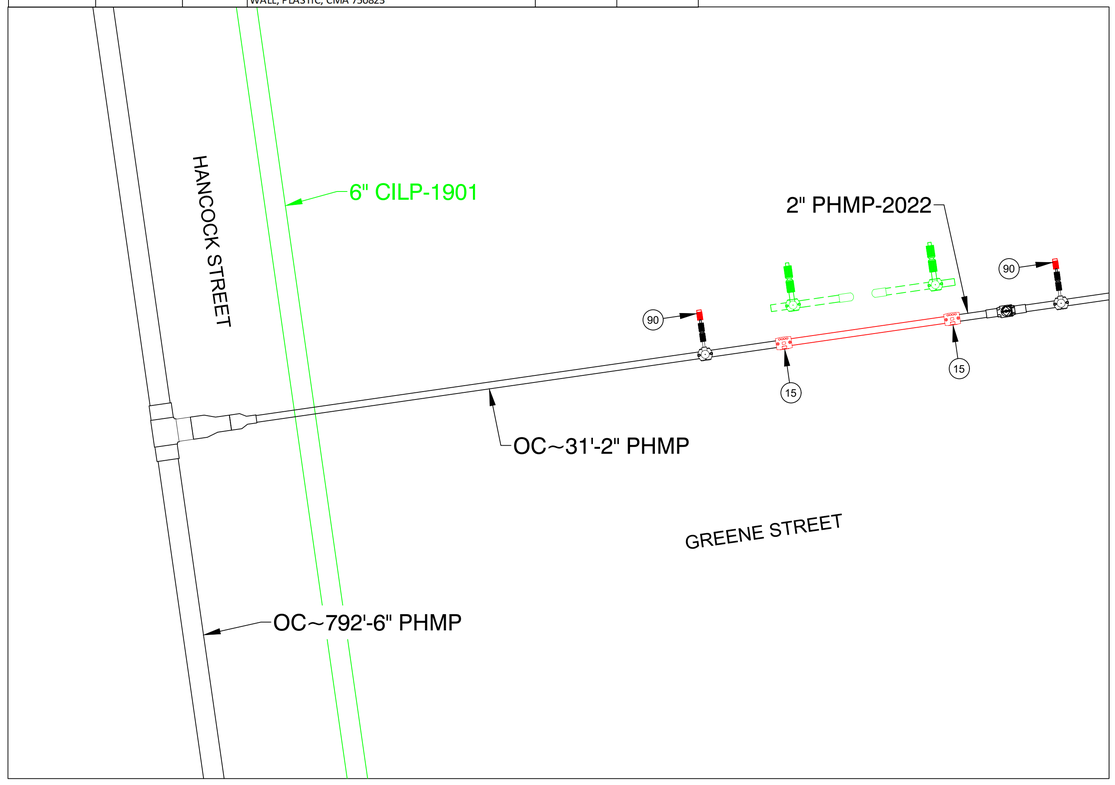
James St - Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
C:\Users\kquinton\AppData\Local\Temp\AcPublish_4468\
Aug 13, 2024 - 2:42pm
Attachment: James St - Pro Drawing Rev0 - PE Stamped (8324 : Eversource Gas - James St.)

JAMES STREET, SPRINGFIELD				DETAIL "I" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1656	MCJUREMA-000	620089	FITTING,COUPLING, PIPE, LYCOFIT, 1 IN IPS SDR11, PLASTIC	2	EA
1660	MCJUREMA-000	602892	FITTING,TEE, 2 IN IPS X 1 IN IPS, ELECTROFUSION, HDPE, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	2	EA
26	63078377	555593	REDUCER,PIPE, 4 X 2 IPS, BUTT ENDS, POLYETHYLENE, P100, SDR11	1	EA
27	63078395	555594	REDUCER,PIPE, 6 X 4 IPS, BUTT ENDS, P100, POLYETYLENE, SDR 11	1	EA
31	63078458	560680	TEE,PIPE, 6 IN SDR 11, BUTT ENDS, POLYETHYLENE, P100	1	EA
48	63051215	500866	TEE,PIPE, NON-BLOWING, 2 X 1/2 IN CTS X 0.090 IN THK WALL SDR 7, ELECTROFUSION X COMPRESSION ENDS, LIGHT WALL, POLYETHYLENE, PE3408/PE100	2	EA
8	63078024	542572	CAP,PIPE, 2 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	1	EA
98	63424035	610764	FITTING,COUPLING, PIPE, LYCOFIT, 1/2 IN CTS X 0.090 IN WALL THK, PLASTIC, CMA 21658100	2	EA



PREPARATORY TIE-IN DETAIL I
NOT TO SCALE

JAMES STREET, SPRINGFIELD				DETAIL "I" FINAL	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
15	63054025	500854	COUPLING, 2 IN IPS, ELECTROFUSION, PLASTIC,P100	2	EA
90	63424221	610757	FITTING,CAP, END, LYCOFIT, 1/2 IN CTS X 0.090 IN THK WALL, PLASTIC, CMA 750823	2	EA



FINAL TIE-IN DETAIL I
NOT TO SCALE

ISSUED FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
DANIEL D'ELETTO
CIVIL
No. 55061
PROFESSIONAL ENGINEER
DANIEL D'ELETTO, P.E.
2024.08.14 10:01:02-04'00'

TRC
215 GREENFIELD PKY | Suite 102 | LIVERPOOL, NY 13088

811 Know what's below. Call before you dig.

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
0	ISSUED FOR CONSTRUCTION	8/13/24	KMQ/TH

Revision/Status

EVERSOURCE ENERGY

JAMES ST - GSEP, SPRINGFIELD, MA
PROJECT # 24EG158 / WORK ORDER # 16828139
PREPARATORY AND FINAL TIE-IN DETAILS
SCALE:1"=40' ON 22"X34" SHEET 18 OF 31

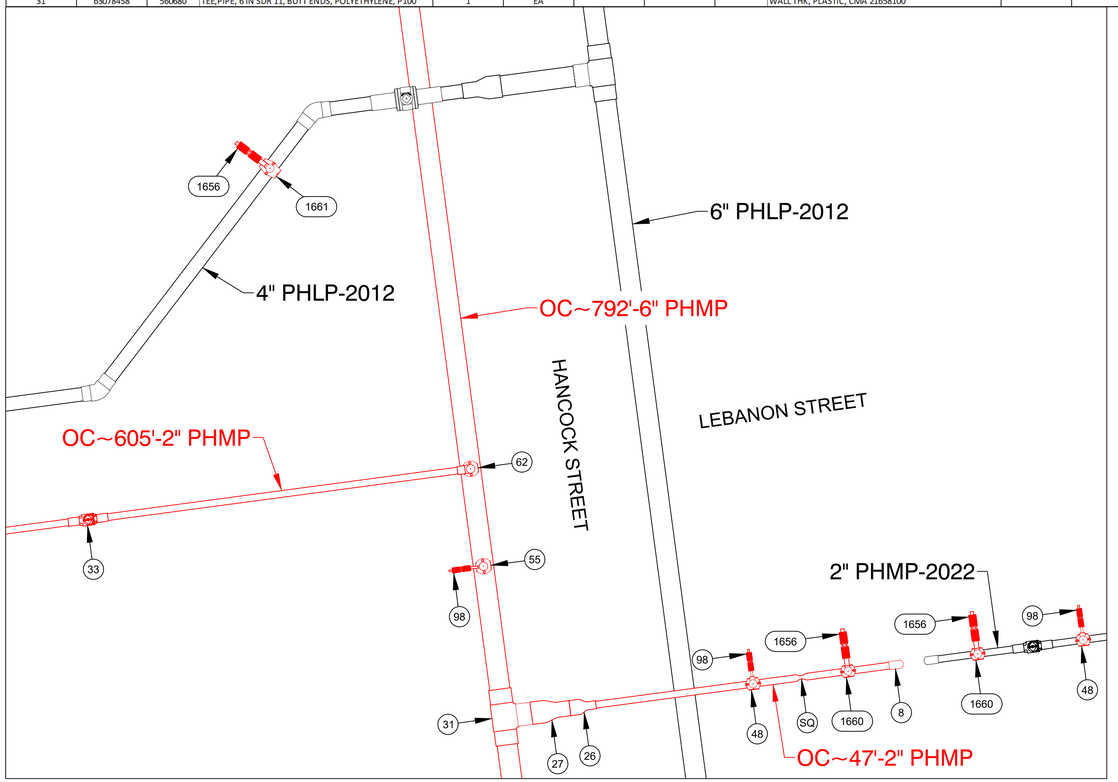
Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 7/8/2024	TH 7/12/2024	MA-SPR-PIP-24-056-18	B

James St - Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
C:\Users\kquinton\AppData\Local\Temp\AcPublish_4468\
Aug 13, 2024 - 2:42pm
Attachment: James St - Pro Drawing Rev0 - PE Stamped (8324 : Eversource Gas - James St.)

JAMES STREET, SPRINGFIELD — **DETAIL "J" PREPARATORY**

REQUIRED BILL OF MATERIALS

Item Number	MRC Stock Number	Maximo Part Number	Description	Quantity	Units
1656	MCJUREMA-000	620089	FITTING,COUPLING, PIPE, LYCOFIT, 1 IN IPS SDR11, PLASTIC	3	EA
1660	MCJUREMA-000	602892	FITTING,TEE, 2 IN IPS X 1 IN IPS, ELECTROFUSION, HDPE, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	2	EA
1661	MCJUREMA-000	602894	FITTING,TEE, 4 IN IPS X 1 IN IPS, ELECTROFUSION, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	1	EA
26	63078377	555593	REDUCER,PIPE, 4 X 2 IPS, BUTT ENDS, POLYETHYLENE, P100, SDR11	1	EA
27	63078395	555594	REDUCER,PIPE, 6 X 4 IPS, BUTT ENDS, P100, POLYETYLENE, SDR 11	1	EA
31	63078458	560680	TEE,PIPE, 6 IN SDR 11, BUTT ENDS, POLYETHYLENE, P100	1	EA
33	14281726	562087	VALVE,BALL, 2 IN IPS, POLYETHYLENE, SDR 11, BUTT WELD, W/ FULL PORT OPENING	1	EA
48	63051215	500866	TEE,PIPE, NON-BLOWING, 2 X 1/2 IN CTS X 0.090 IN THK WALL SDR 7, ELECTROFUSION X COMPRESSION ENDS, LIGHT WALL, POLYETHYLENE, PE3408/PE100	2	EA
55	63051277	500869	TEE,PIPE, NON-BLOWING, 6 X 1/2 IN CTS X 0.090 IN THK WALL SDR 7, ELECTROFUSION X COMPRESSION ENDS, LIGHT WALL, POLYETHYLENE, PE3408/PE100	1	EA
62	63051389	500870	TEE,PIPE, 6 X 2 IN IPS , ELECTROFUSION, PLASTIC, P100, W/ 1.8 IN PERF, 5/BOX	1	EA
8	63078024	542572	CAP,PIPE, 2 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	1	EA
98	63424035	610764	FITTING,COUPLING, PIPE, LYCOFIT, 1/2 IN CTS X 0.090 IN WALL THK, PLASTIC, CMA 21658100	3	EA

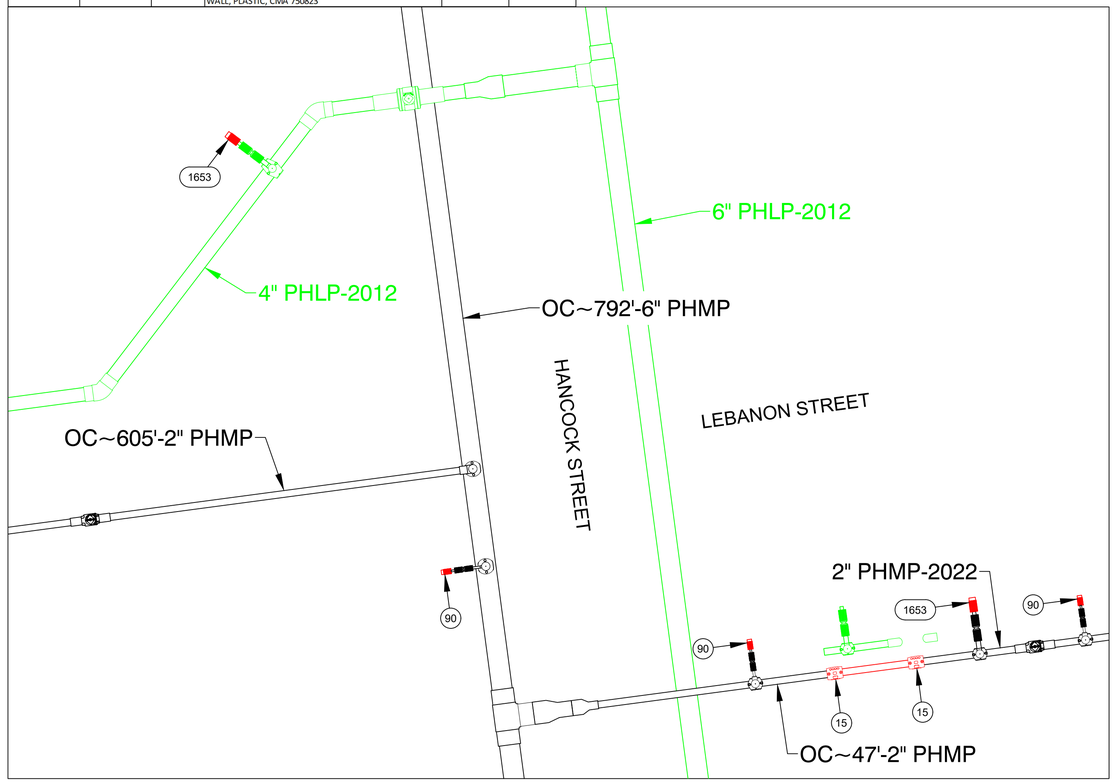


PREPARATORY TIE-IN DETAIL J
NOT TO SCALE

JAMES STREET, SPRINGFIELD — **DETAIL "J" FINAL**

REQUIRED BILL OF MATERIALS

Item Number	MRC Stock Number	Maximo Part Number	Description	Quantity	Units
15	63054025	500854	COUPLING, 2 IN IPS, ELECTROFUSION, PLASTIC,P100	2	EA
1653	MCJUREMA-000	620808	FITTING,CAP, LYCOFIT, 1 IN IPS SDR 11, PLASTIC, ASTM F1924	2	EA
90	63424221	610757	FITTING,CAP, END, LYCOFIT, 1/2 IN CTS X 0.090 IN THK WALL, PLASTIC, CMA 750823	3	EA



FINAL TIE-IN DETAIL J
NOT TO SCALE

ISSUED FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
DANIEL D'ELETTO CIVIL No. 55061
PROFESSIONAL ENGINEER
DANIEL D'ELETTO, P.E. 2024.08.14 10:01:03-04'00'

TRC
215 GREENFIELD PKY | Suite 102 | LIVERPOOL, NY 13088

811 Know what's below. Call before you dig.

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
0	ISSUED FOR CONSTRUCTION	8/13/24	KMQ/TH

Revision/Status

EVERSOURCE ENERGY

JAMES ST - GSEP, SPRINGFIELD, MA
PROJECT # 24EG158 / WORK ORDER # 16828139
PREPARATORY AND FINAL TIE-IN DETAILS
SCALE:1"=40' ON 22"X34" SHEET 19 OF 31

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 7/8/2024	TH 7/12/2024	MA-SPR-PIP-24-056-19	B

EGMA DRAWING TEMPLATE - 02-09-2023 James St - Pro Drawing Rev0.dwg
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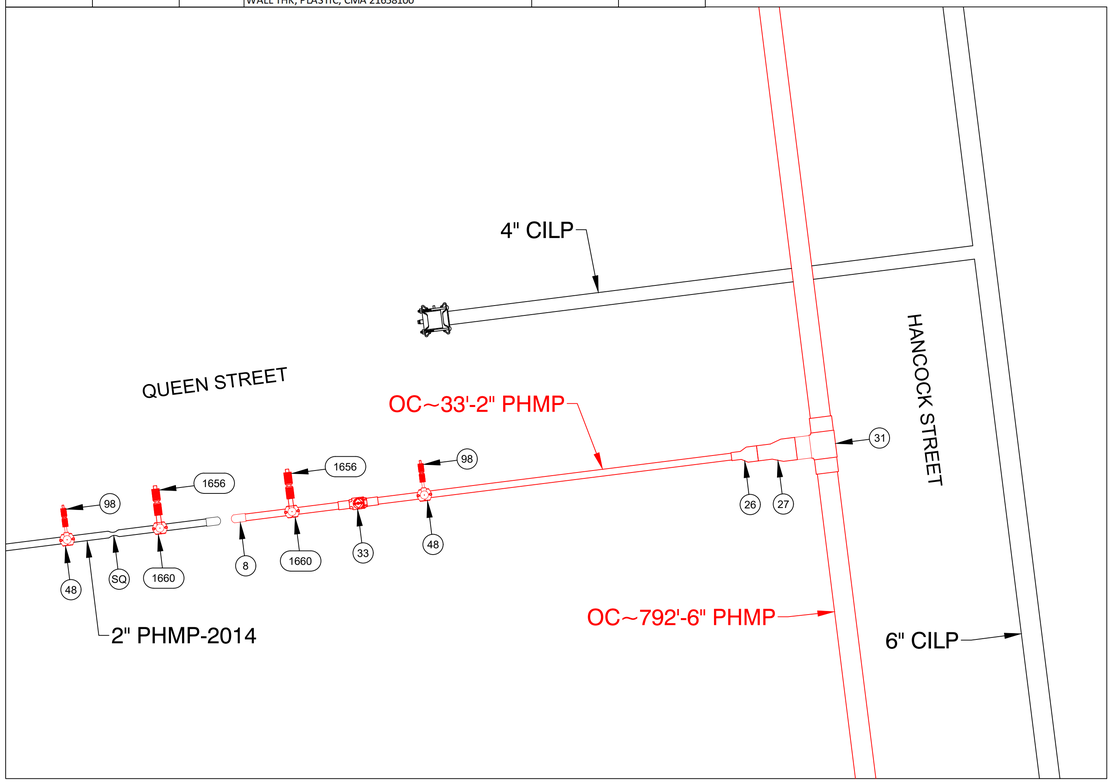
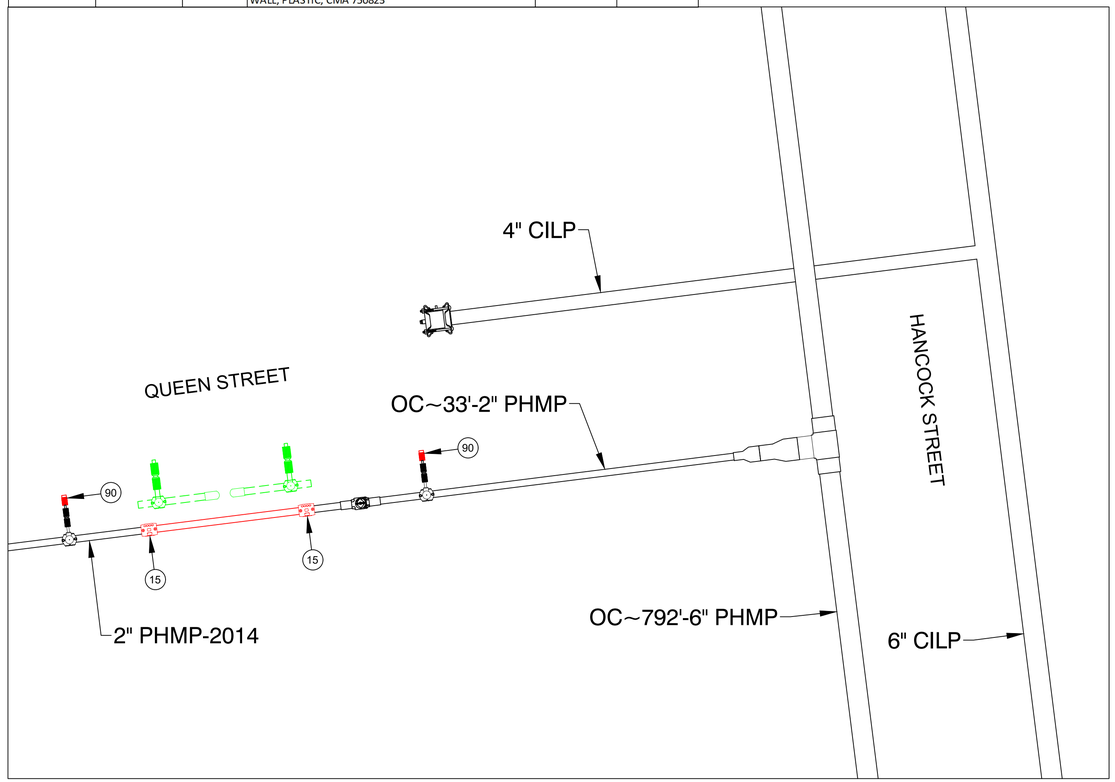
Aug 13, 2024 - 2:42pm
Attachment: James St - Pro Drawing Rev0 - PE Stamped (8324 : Eversource Gas - James St.)

JAMES STREET, SPRINGFIELD				DETAIL "K" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1656	MCJUREMA-000	620089	FITTING,COUPLING, PIPE, LYCOFIT, 1 IN IPS SDR11, PLASTIC	2	EA
1660	MCJUREMA-000	602892	FITTING,TEE, 2 IN IPS X 1 IN IPS, ELECTROFUSION, HDPE, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	2	EA
26	63078377	555593	REDUCER,PIPE, 4 X 2 IPS, BUTT ENDS, POLYETHYLENE, P100, SDR11	1	EA
27	63078395	555594	REDUCER,PIPE, 6 X 4 IPS, BUTT ENDS, P100, POLYETYLENE, SDR 11	1	EA
31	63078458	560680	TEE,PIPE, 6 IN SDR 11, BUTT ENDS, POLYETHYLENE, P100	1	EA
33	14281726	562087	VALVE,BALL, 2 IN IPS, POLYETHYLENE, SDR 11, BUTT WELD, W/ FULL PORT OPENING	1	EA
48	63051215	500866	TEE,PIPE, NON-BLOWING, 2 X 1/2 IN CTS X 0.090 IN THK WALL SDR 7, ELECTROFUSION X COMPRESSION ENDS, LIGHT WALL, POLYETHYLENE, PE3408/PE100	2	EA
8	63078024	542572	CAP,PIPE, 2 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	1	EA
98	63424035	610764	FITTING,COUPLING, PIPE, LYCOFIT, 1/2 IN CTS X 0.090 IN WALL THK, PLASTIC, CMA 21658100	2	EA



PREPARATORY TIE-IN DETAIL K
NOT TO SCALE

JAMES STREET, SPRINGFIELD				DETAIL "K" FINAL	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
15	63054025	500854	COUPLING, 2 IN IPS, ELECTROFUSION, PLASTIC,P100	2	EA
90	63424221	610757	FITTING,CAP, END, LYCOFIT, 1/2 IN CTS X 0.090 IN THK WALL, PLASTIC, CMA 750823	2	EA



FINAL TIE-IN DETAIL K
NOT TO SCALE

ISSUED FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
DANIEL D'ELETTO CIVIL No. 55061
PROFESSIONAL ENGINEER
DANIEL D'ELETTO, P.E. 2024.08.14 10:01:03-04'00'

TRC
215 GREENFIELD PKY | Suite 102 | LIVERPOOL, NY 13088

811 Know what's below. Call before you dig.

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
0	ISSUED FOR CONSTRUCTION	8/13/24	KMQ/TH

Revision/Status

EVERSOURCE ENERGY

JAMES ST - GSEP, SPRINGFIELD, MA
PROJECT # 24EG158 / WORK ORDER # 16828139
PREPARATORY AND FINAL TIE-IN DETAILS
SCALE:1"=40' ON 22"X34" SHEET 20 OF 31

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 7/8/2024	TH 7/12/2024	MA-SPR-PIP-24-056-20	B

James St - Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
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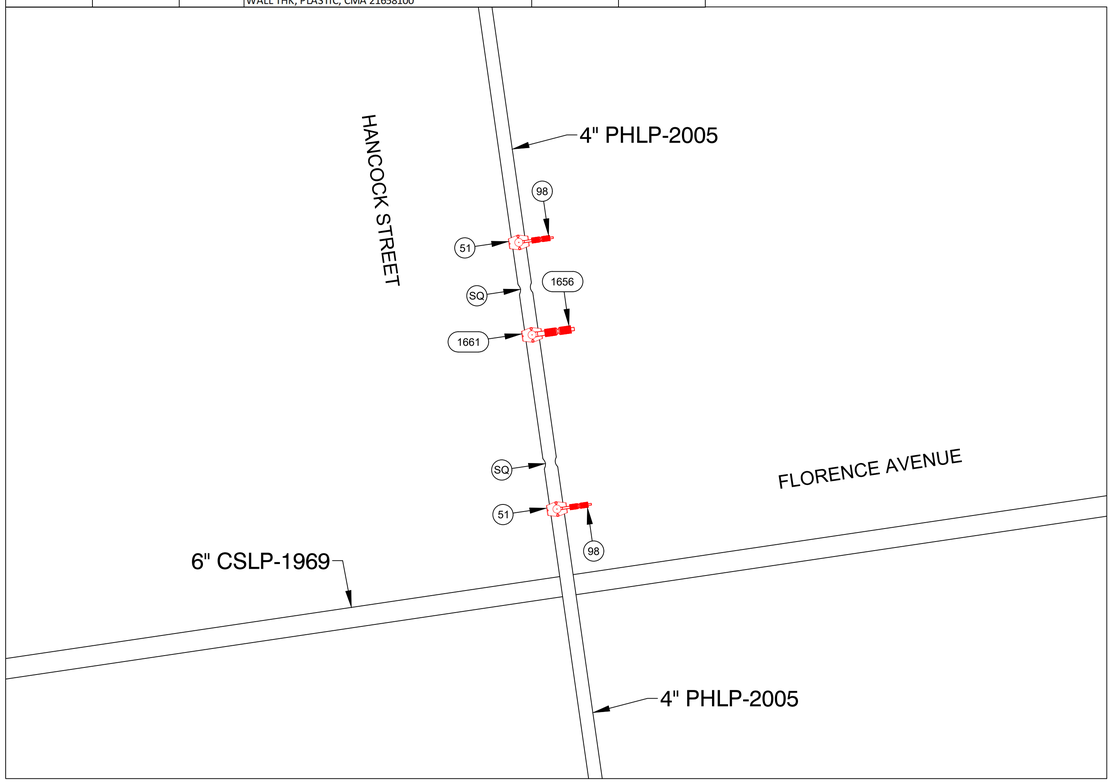
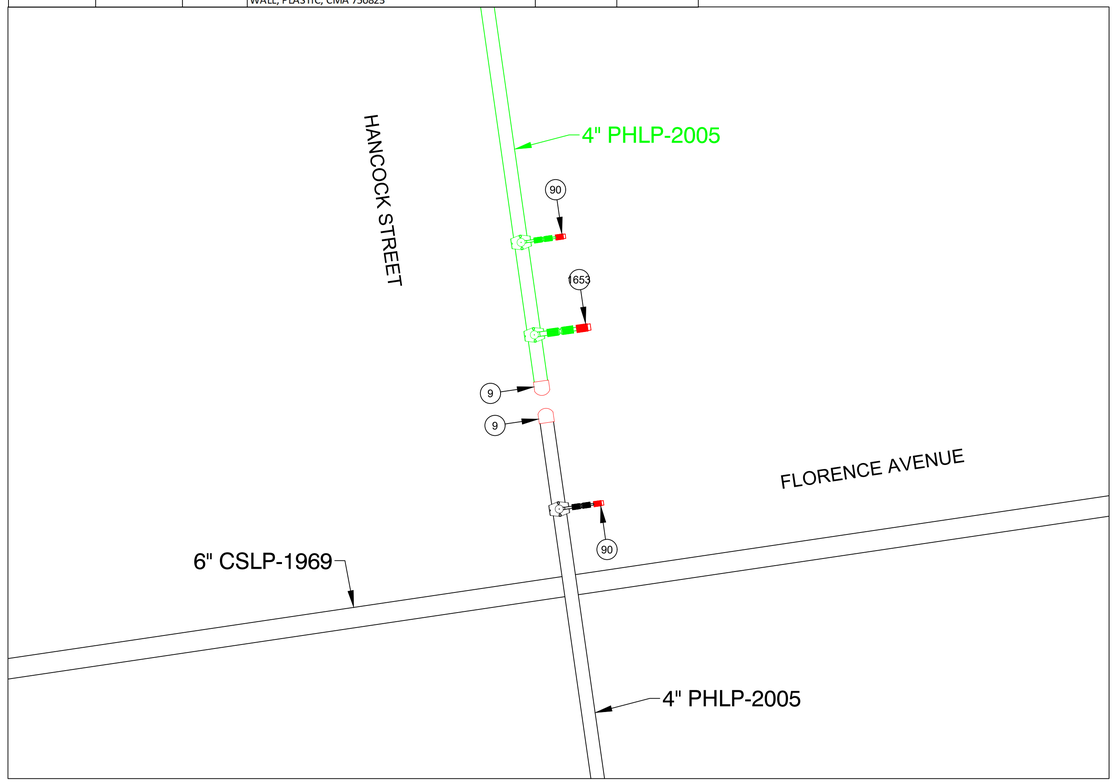
Aug 13, 2024 - 2:42pm
Attachment: James St - Pro Drawing Rev0 - PE Stamped (8324 : Eversource Gas - James St.)

JAMES STREET, SPRINGFIELD				DETAIL "L" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1656	MCJUREMA-000	620089	FITTING,COUPLING, PIPE, LYCOFIT, 1 IN IPS SDR11, PLASTIC	1	EA
1661	MCJUREMA-000	602894	FITTING,TEE, 4 IN IPS X 1 IN IPS, ELECTROFUSION, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	1	EA
51	63051253	500867	TEE,PIPE, NON-BLOWING, 4 X 1/2 IN CTS X 0.090 IN THK WALL SDR 7, ELECTROFUSION X COMPRESSION ENDS, LIGHT WALL, POLYETHYLENE, PE3408/PE100, 1	2	EA
98	63424035	610764	FITTING,COUPLING, PIPE, LYCOFIT, 1/2 IN CTS X 0.090 IN WALL THK, PLASTIC, CMA 21658100	2	EA



PREPARATORY TIE-IN DETAIL L
NOT TO SCALE

JAMES STREET, SPRINGFIELD				DETAIL "L" FINAL	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1653	MCJUREMA-000	620808	FITTING,CAP, LYCOFIT, 1 IN IPS SDR 11, PLASTIC, ASTM F1924	1	EA
9	63078039	542538	CAP,PIPE, 4 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	2	EA
90	63424221	610757	FITTING,CAP, END, LYCOFIT, 1/2 IN CTS X 0.090 IN THK WALL, PLASTIC, CMA 750823	2	EA



FINAL TIE-IN DETAIL L
NOT TO SCALE

ISSUED FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
DANIEL D'ELETTO
CIVIL
No. 55061
PROFESSIONAL ENGINEER
DANIEL D'ELETTO, P.E. 2024.08.14 10:01:04-04'00'

TRC
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FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
0	ISSUED FOR CONSTRUCTION	8/13/24	KMQ/TH

Revision/Status

EVERSOURCE ENERGY

JAMES ST - GSEP, SPRINGFIELD, MA
PROJECT # 24EG158 / WORK ORDER # 16828139
PREPARATORY AND FINAL TIE-IN DETAILS
SCALE: 1"=40' ON 22"X34" SHEET 21 OF 31

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 7/8/2024	TH 7/12/2024	MA-SPR-PIP-24-056-21	B

James St - Pro Drawing Rev0.dwg
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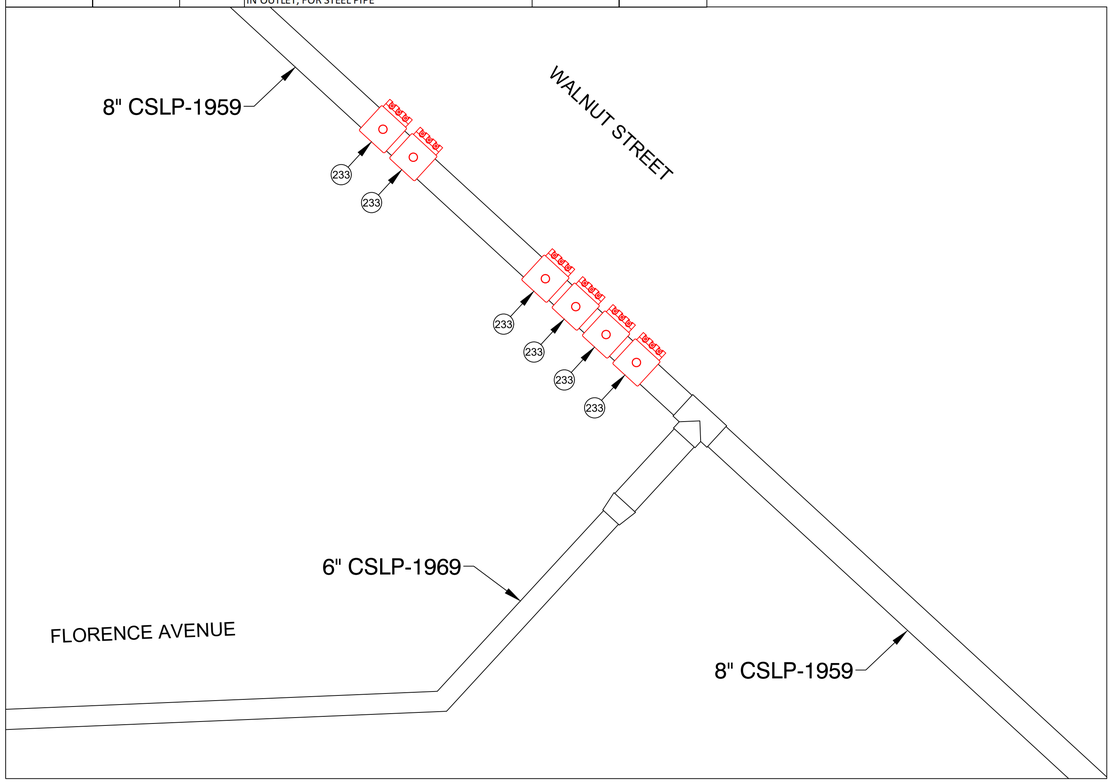
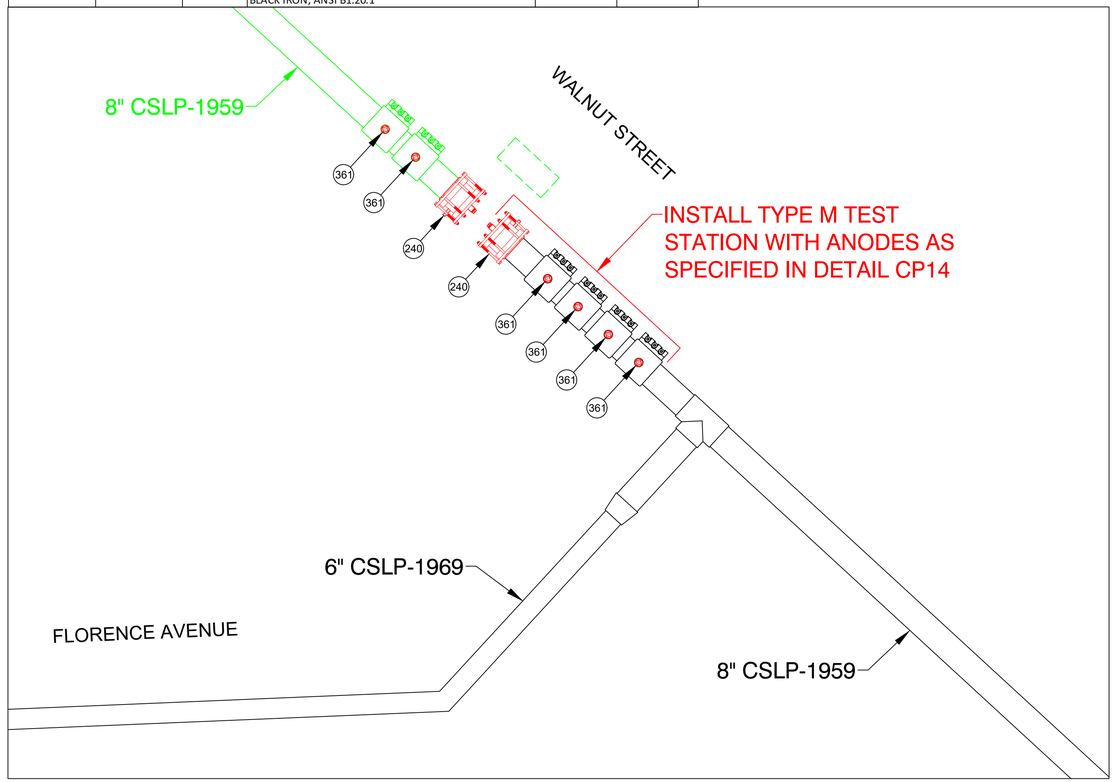
Aug 13, 2024 - 2:42pm
Attachment: James St - Pro Drawing Rev0 - PE Stamped (8324 : Eversource Gas - James St.)

JAMES STREET, SPRINGFIELD				DETAIL "M" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	MRC Stock Number	Maximo Part Number	Description	Quantity	Units
233	63462219	578014	FITTING,CLAMP, SERVI-SEAL REPAIR, 8 IN DIA, 9 IN LG, W/ 2 IN OUTLET, FOR STEEL PIPE	6	EA



PREPARATORY TIE-IN DETAIL M
NOT TO SCALE

JAMES STREET, SPRINGFIELD				DETAIL "M" FINAL	
REQUIRED BILL OF MATERIALS					
Item Number	MRC Stock Number	Maximo Part Number	Description	Quantity	Units
240	63481701	578186	FITTING,COUPLING, VENTED, INSULATED, W/ END CAP, FOR 8 IN STEEL PIPE, EZB8VIUMG	2	EA
361	19080340	554878	PLUG,PIPE, SQUARE HEAD, SOLID, 2 IN, THREADED END, BLACK IRON, ANSI B1.20.1	6	EA



FINAL TIE-IN DETAIL M
NOT TO SCALE

ISSUED FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
DANIEL D'ELETTO CIVIL No. 55061
PROFESSIONAL ENGINEER
DANIEL D'ELETTO, P.E. 2024.08.14 10:01:04-04'00'

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215 GREENFIELD PKY | Suite 102 | LIVERPOOL, NY 13088

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FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
0	ISSUED FOR CONSTRUCTION	8/13/24	KMQ/TH

Revision/Status

EVERSOURCE ENERGY

JAMES ST - GSEP, SPRINGFIELD, MA
PROJECT # 24EG158 / WORK ORDER # 16828139
PREPARATORY AND FINAL TIE-IN DETAILS
SCALE: 1"=40' ON 22"X34" SHEET 22 OF 31

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 7/8/2024	TH 7/12/2024	MA-SPR-PIP-24-056-22	B

James St - Pro Drawing Rev0.dwg
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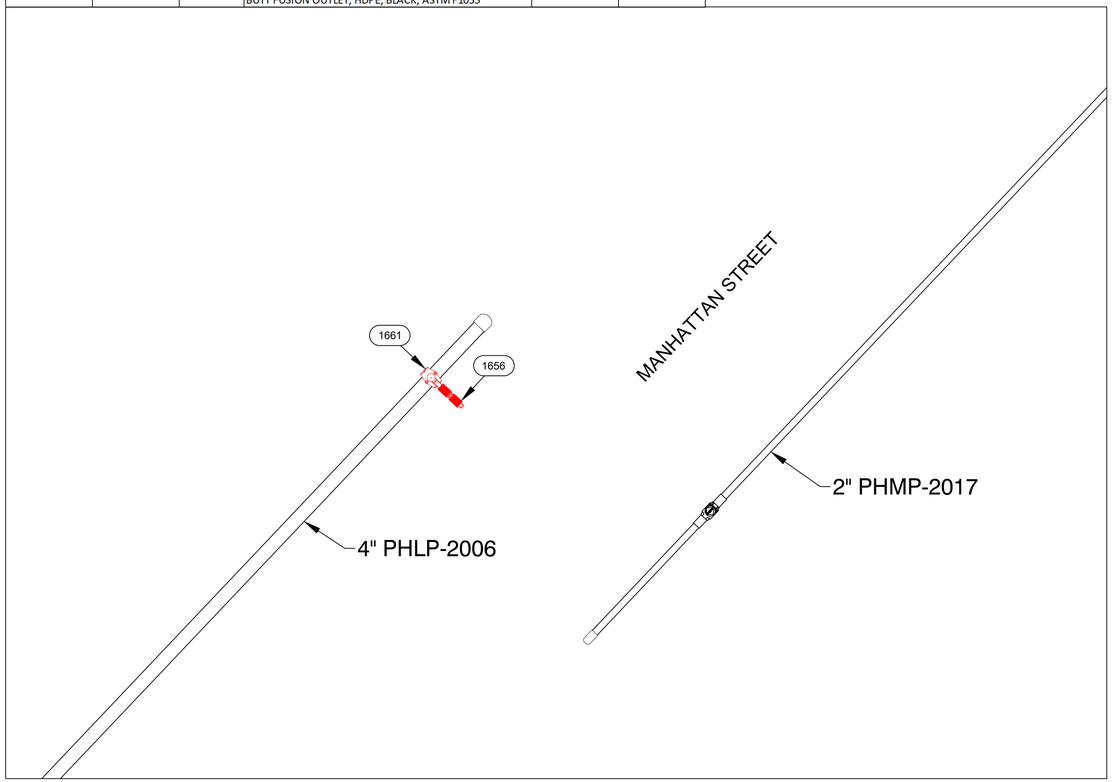
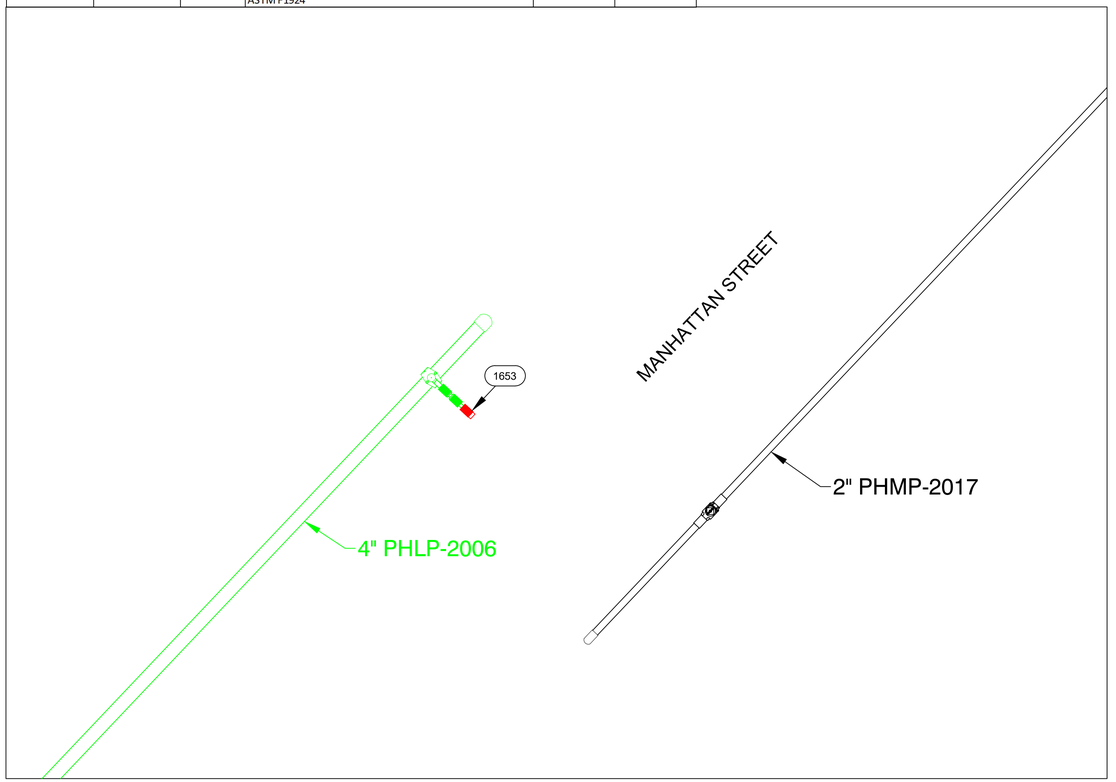
Aug 13, 2024 - 2:42pm
Attachment: James St - Pro Drawing Rev0 - PE Stamped (8324 : Eversource Gas - James St.)

JAMES STREET, SPRINGFIELD				DETAIL "N" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1656	MCJUREMA-000	620089	FITTING,COUPLING, PIPE, LYCOFIT, 1 IN IPS SDR11, PLASTIC	1	EA
1661	MCJUREMA-000	602894	FITTING,TEE, 4 IN IPS X 1 IN IPS, ELECTROFUSION, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	1	EA



PREPARATORY TIE-IN DETAIL N
NOT TO SCALE

JAMES STREET, SPRINGFIELD					DETAIL "N" FINAL
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1653	MCJUREMA-000	620808	FITTING,CAP, LYCOFIT, 1 IN IPS SDR 11, PLASTIC, ASTM F1924	1	EA



FINAL TIE-IN DETAIL N
NOT TO SCALE

ISSUED FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
DANIEL D'ELETTO
CIVIL
No. 55061
PROFESSIONAL ENGINEER
DANIEL D'ELETTO, P.E. 2024.08.14 10:01:05-04'00'

TRC
215 GREENFIELD PKY | Suite 102 | LIVERPOOL, NY 13088

811 Know what's below. Call before you dig.

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
0	ISSUED FOR CONSTRUCTION	8/13/24	KMQ/TH

Revision/Status

EVERSOURCE ENERGY

JAMES ST - GSEP, SPRINGFIELD, MA

PROJECT # 24EG158 / WORK ORDER # 16828139

PREPARATORY AND FINAL TIE-IN DETAILS

SCALE:1"=40' ON 22"X34" SHEET 23 OF 31

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 7/8/2024	TH 7/12/2024	MA-SPR-PIP-24-056-23	B

James St - Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
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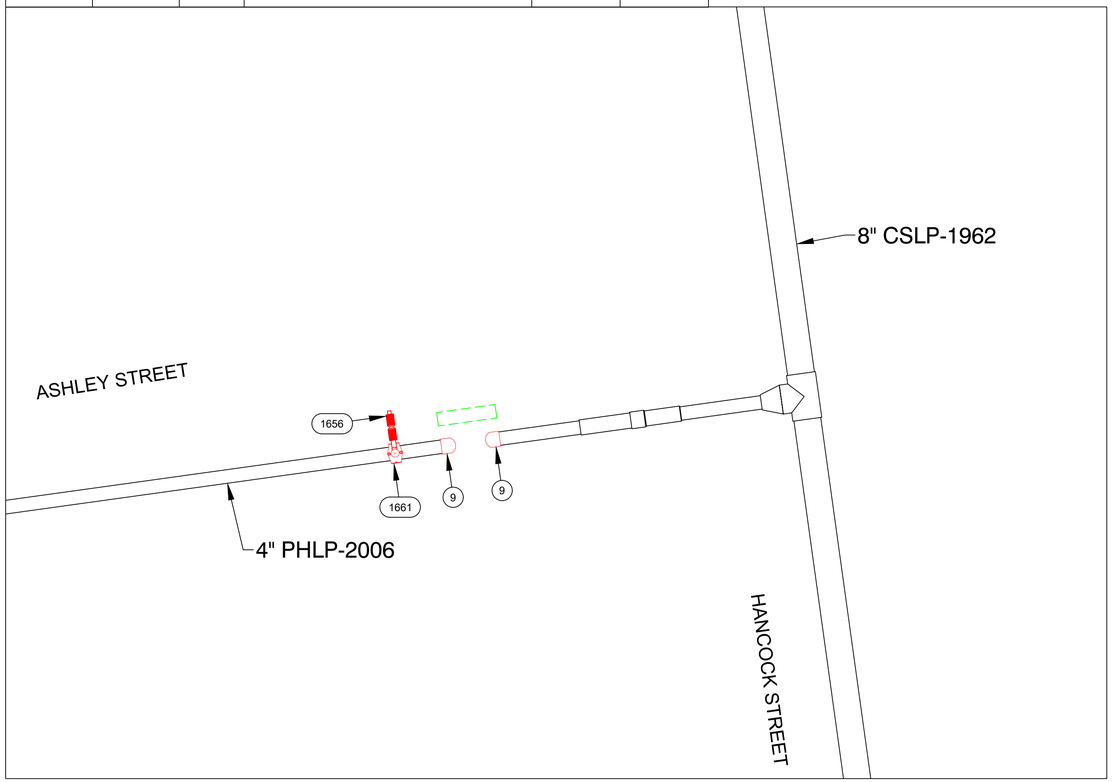
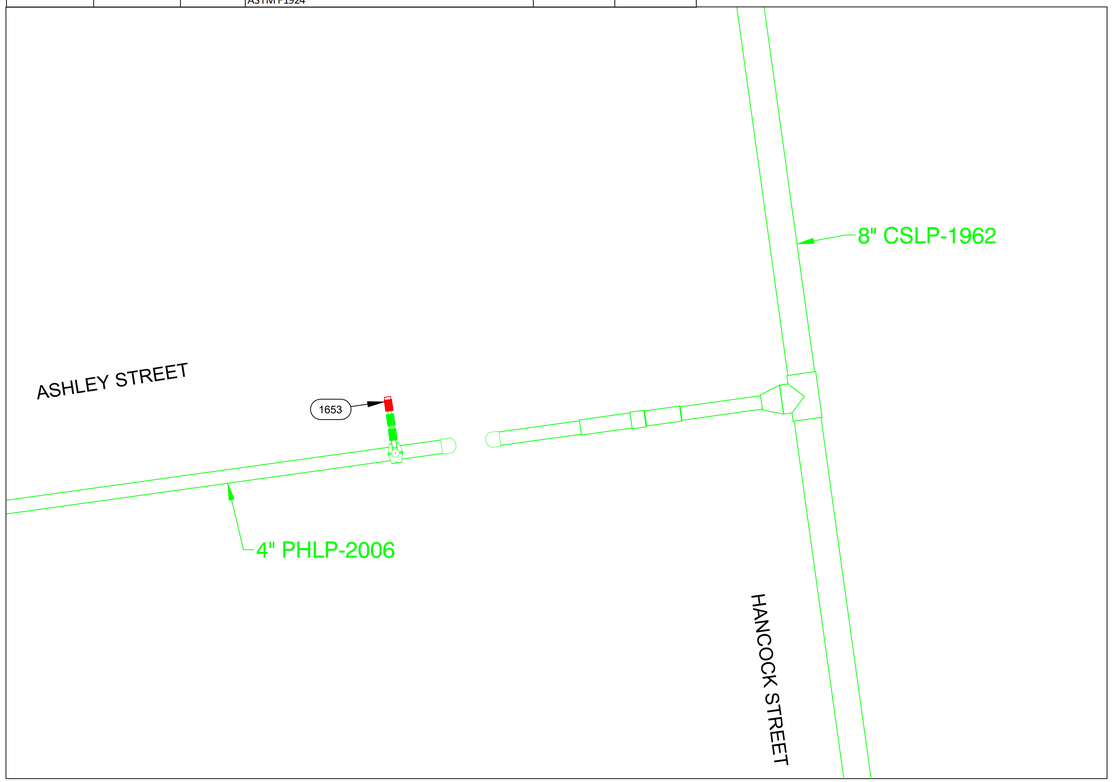
Aug 13, 2024 - 2:42pm
Attachment: James St - Pro Drawing Rev0 - PE Stamped (8324 : Eversource Gas - James St.)

JAMES STREET, SPRINGFIELD				DETAIL "O" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1656	MCJUREMA-000	620089	FITTING,COUPLING, PIPE, LYCOFIT, 1 IN IPS SDR11, PLASTIC	1	EA
1661	MCJUREMA-000	602894	FITTING,TEE, 4 IN IPS X 1 IN IPS, ELECTROFUSION, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	1	EA
9	63078039	542538	CAP,PIPE, 4 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	2	EA



PREPARATORY TIE-IN DETAIL O
NOT TO SCALE

JAMES STREET, SPRINGFIELD					DETAIL "O" FINAL
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1653	MCJUREMA-000	620808	FITTING,CAP, LYCOFIT, 1 IN IPS SDR 11, PLASTIC, ASTM F1924	1	EA



FINAL TIE-IN DETAIL O
NOT TO SCALE

ISSUED FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
DANIEL D'ELETTO
CIVIL
No. 55061
PROFESSIONAL ENGINEER
DANIEL D'ELETTO, P.E. 2024.08.14 10:01:05-04'00'

TRC
215 GREENFIELD PKY | Suite 102 | LIVERPOOL, NY 13088

811
Know what's below.
Call before you dig.

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
0	ISSUED FOR CONSTRUCTION	8/13/24	KMQ/TH

Revision/Status

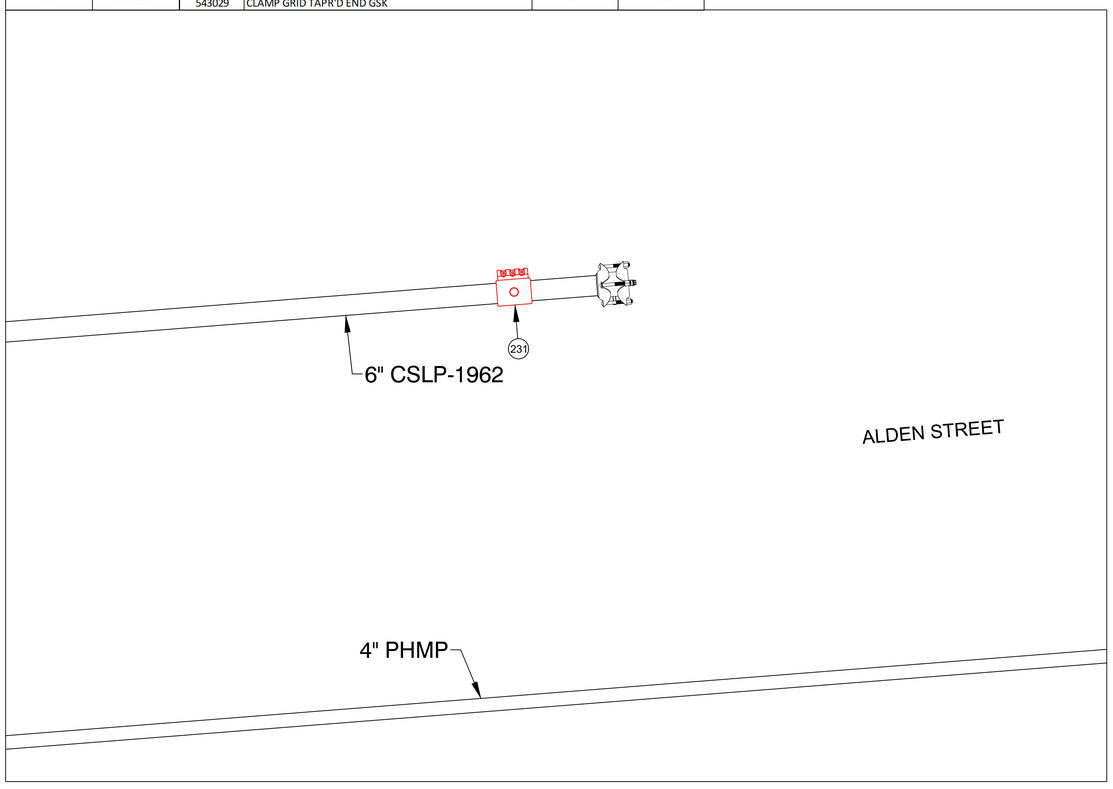
EVERSOURCE ENERGY

JAMES ST - GSEP, SPRINGFIELD, MA
PROJECT # 24EG158 / WORK ORDER # 16828139
PREPARATORY AND FINAL TIE-IN DETAILS
SCALE: 1"=40' ON 22"X34" SHEET 24 OF 31

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 7/8/2024	TH 7/12/2024	MA-SPR-PIP-24-056-24	B

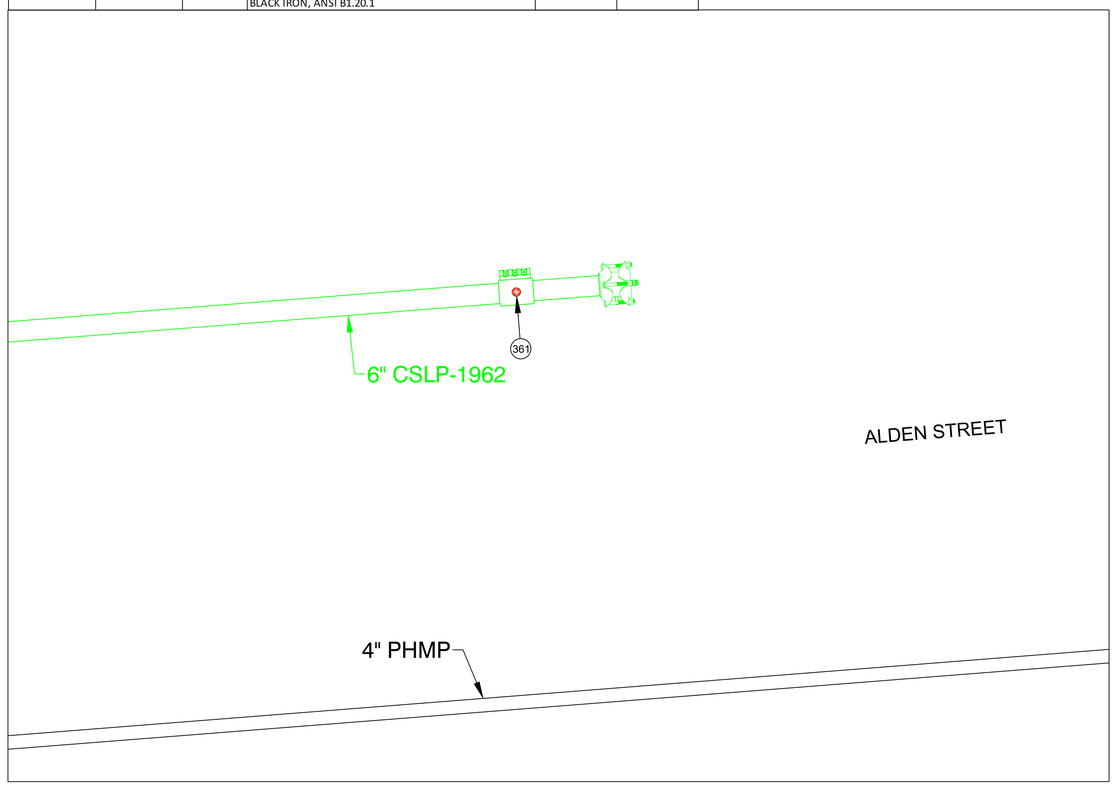
James St - Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
C:\Users\kquinton\AppData\Local\Temp\AcPublish_4468\
Aug 13, 2024 - 2:42pm
Attachment: James St - Pro Drawing Rev0 - PE Stamped (8324 : Eversource Gas - James St.)

JAMES STREET, SPRINGFIELD				DETAIL "P" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
231	63462157	578003 / 543029	6 X 9 X 2 OUT MUELLER 509-09-0655 100# 1 SECT REPAIR CLAMP GRID TAPR'D END GSK	1	EA



PREPARATORY TIE-IN DETAIL P
NOT TO SCALE

JAMES STREET, SPRINGFIELD				DETAIL "P" FINAL	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
361	19080340	554878	PLUG,PIPE, SQUARE HEAD, SOLID, 2 IN, THREADED END, BLACK IRON, ANSI B1.20.1	1	EA



FINAL TIE-IN DETAIL P
NOT TO SCALE

ISSUED FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
DANIEL D'ELETTO CIVIL No. 55061
PROFESSIONAL ENGINEER
DANIEL D'ELETTO, P.E.
2024.08.14 10:01:06-04'00'

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FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
0	ISSUED FOR CONSTRUCTION	8/13/24	KMQ/TH

Revision/Status

EVERSOURCE ENERGY

JAMES ST - GSEP, SPRINGFIELD, MA
PROJECT # 24EG158 / WORK ORDER # 16828139
PREPARATORY AND FINAL TIE-IN DETAILS
SCALE: 1"=40' ON 22"X34" SHEET 25 OF 31

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 7/8/2024	TH 7/12/2024	MA-SPR-PIP-24-056-25	B

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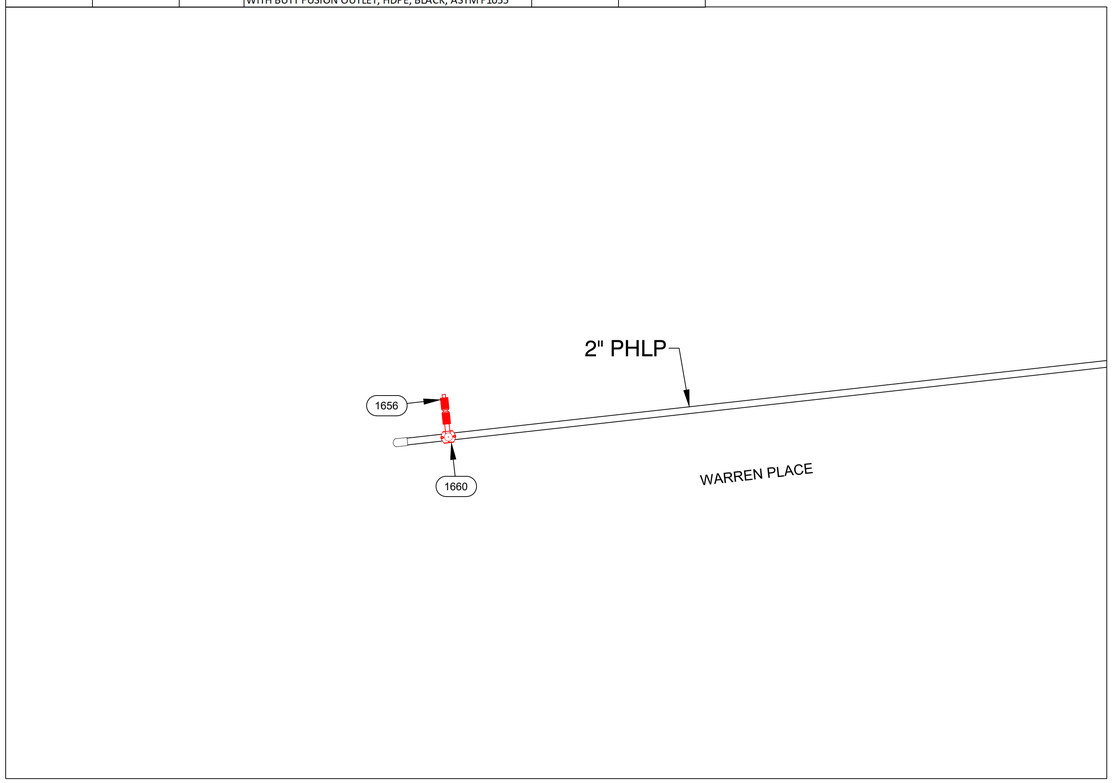
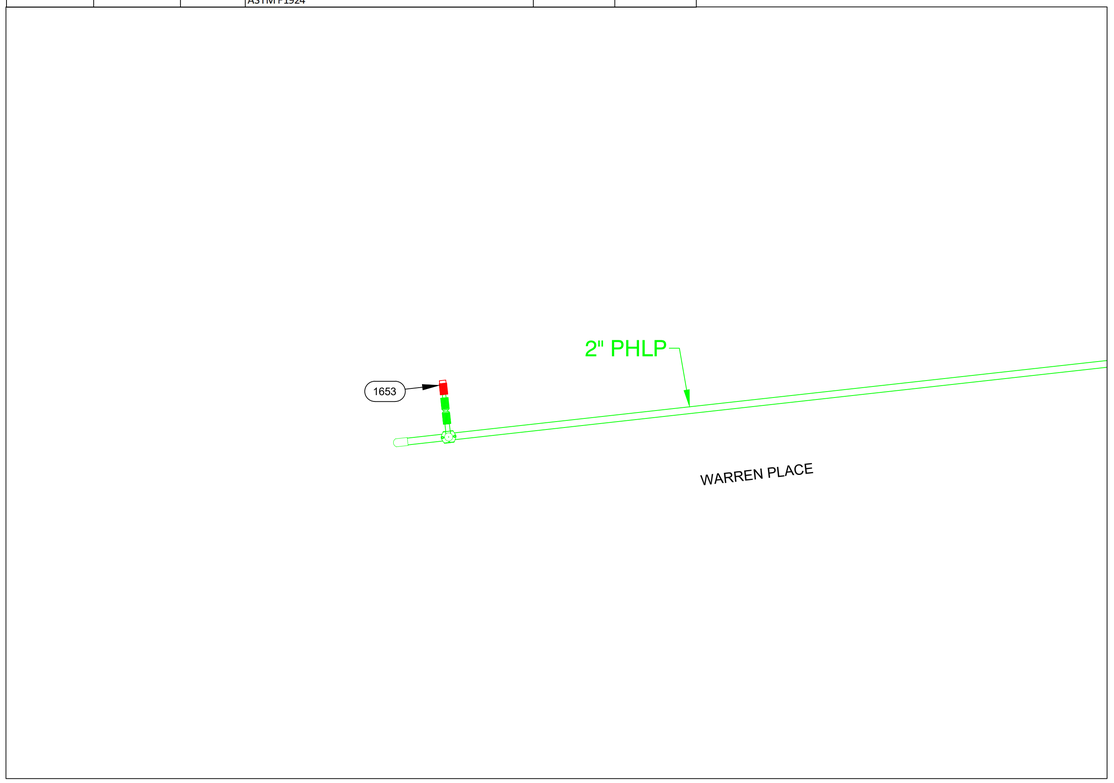
Aug 13, 2024 - 2:42pm
Attachment: James St - Pro Drawing Rev0 - PE Stamped (8324 : Eversource Gas - James St.)

JAMES STREET, SPRINGFIELD				DETAIL "Q" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1656	MCJUREMA-000	620089	FITTING,COUPLING, PIPE, LYCOFIT, 1 IN IPS SDR11, PLASTIC	1	EA
1660	MCJUREMA-000	602892	FITTING,TEE, 2 IN IPS X 1 IN IPS, ELECTROFUSION, HDPE, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	1	EA



PREPARATORY TIE-IN DETAIL Q
NOT TO SCALE

JAMES STREET, SPRINGFIELD				DETAIL "Q" FINAL	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1653	MCJUREMA-000	620808	FITTING,CAP, LYCOFIT, 1 IN IPS SDR 11, PLASTIC, ASTM F1924	1	EA



FINAL TIE-IN DETAIL Q
NOT TO SCALE

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COMMONWEALTH OF MASSACHUSETTS
DANIEL D'ELETTO CIVIL No. 55061
PROFESSIONAL ENGINEER
DANIEL D'ELETTO, P.E. 2024.08.14 10:01:06-04'00'

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FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
0	ISSUED FOR CONSTRUCTION	8/13/24	KMQ/TH

Revision/Status

EVERSOURCE ENERGY

JAMES ST - GSEP, SPRINGFIELD, MA
PROJECT # 24EG158 / WORK ORDER # 16828139
PREPARATORY AND FINAL TIE-IN DETAILS
SCALE: 1"=40' ON 22"X34" SHEET 26 OF 31

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 7/8/2024	TH 7/12/2024	MA-SPR-PIP-24-056-26	B

James St - Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
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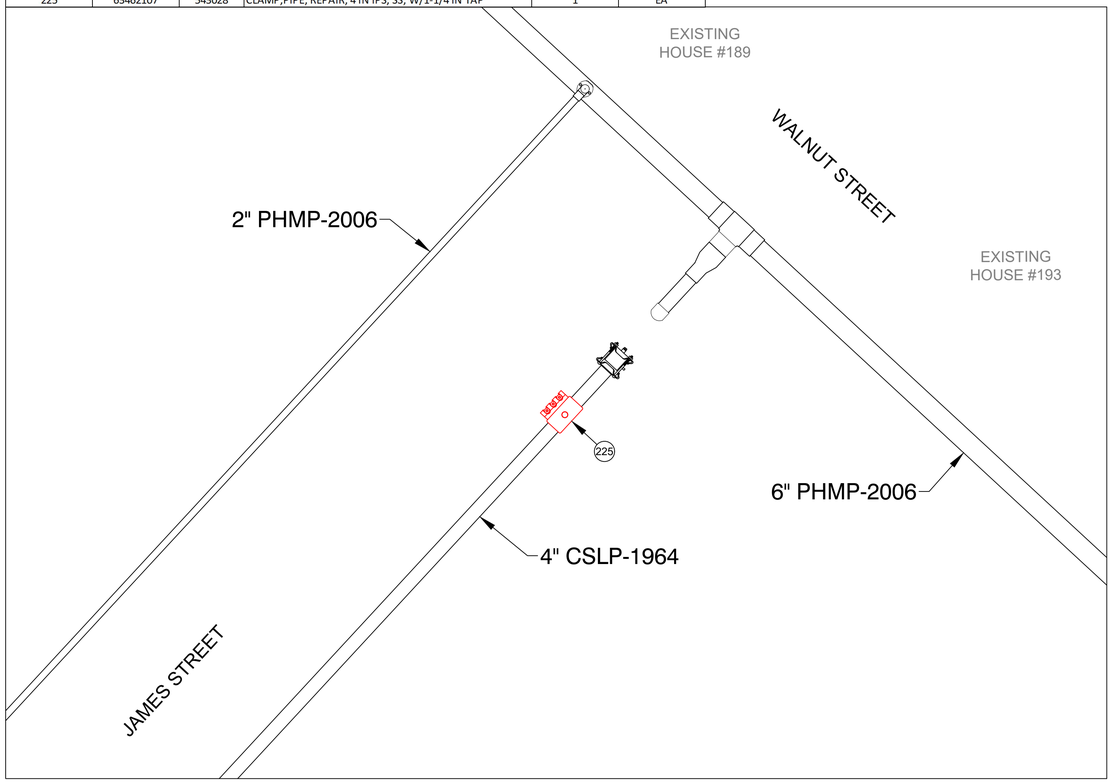
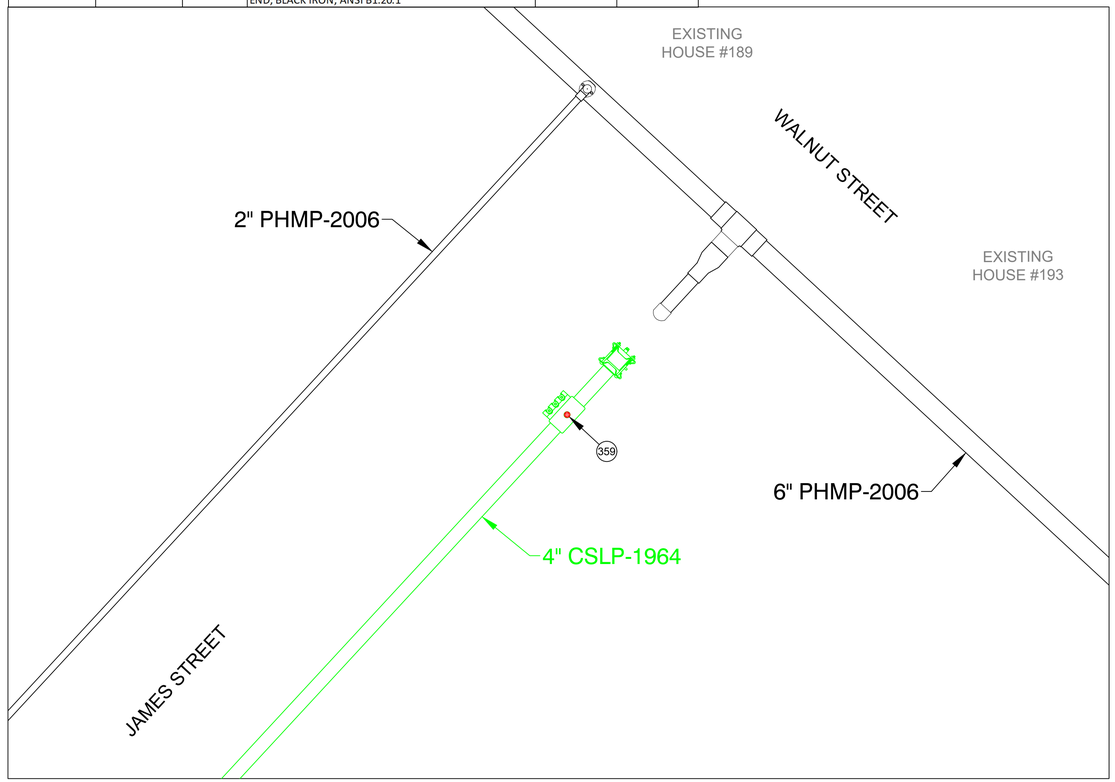
Aug 13, 2024 - 2:42pm
Attachment: James St - Pro Drawing Rev0 - PE Stamped (8324 : Eversource Gas - James St.)

JAMES STREET, SPRINGFIELD				DETAIL "R" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
225	63462107	543028	CLAMP,PIPE, REPAIR, 4 IN IPS, SS, W/1-1/4 IN TAP	1	EA



PREPARATORY TIE-IN DETAIL R
NOT TO SCALE

JAMES STREET, SPRINGFIELD				DETAIL "R" FINAL	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
359	19080285	554877	PLUG,PIPE, SQUARE HEAD, SOLID, 1-1/4 IN, THREADED END, BLACK IRON, ANSI B1.20.1	1	EA



FINAL TIE-IN DETAIL R
NOT TO SCALE

ISSUED FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
DANIEL D'ELETTO CIVIL No. 55061
PROFESSIONAL ENGINEER
DANIEL D'ELETTO, P.E. 2024.08.14 10:01:07-04'00'

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FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
0	ISSUED FOR CONSTRUCTION	8/13/24	KMQ/TH

Revision/Status

EVERSOURCE ENERGY

JAMES ST - GSEP, SPRINGFIELD, MA
PROJECT # 24EG158 / WORK ORDER # 16828139
PREPARATORY AND FINAL TIE-IN DETAILS
SCALE: 1"=40' ON 22"X34" SHEET 27 OF 31

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 7/8/2024	TH 7/12/2024	MA-SPR-PIP-24-056-27	B

James St. - Pro Drawing Rev0.dwg
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Aug 13, 2024 - 2:42pm
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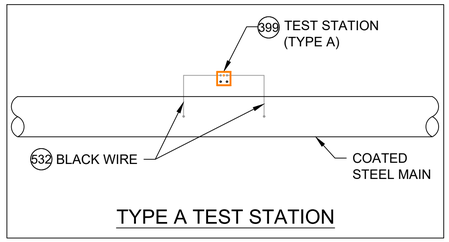
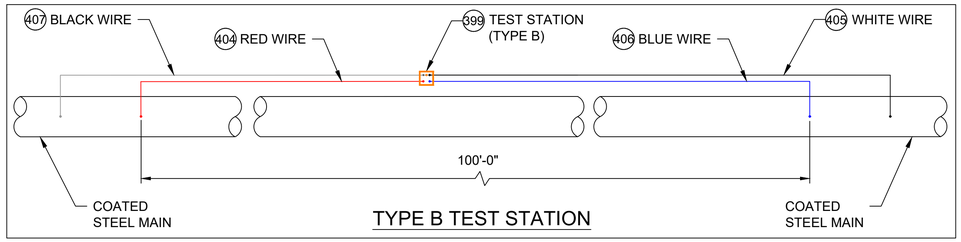


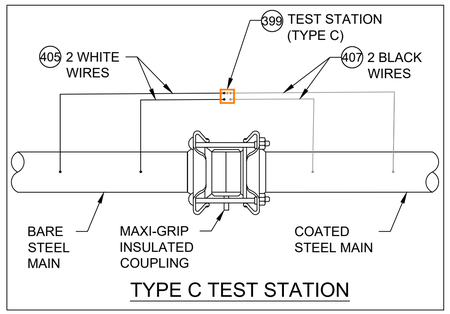
TYPE A TEST STATION

DETAIL CP1
SCALE: 1/2" = 1'-0"



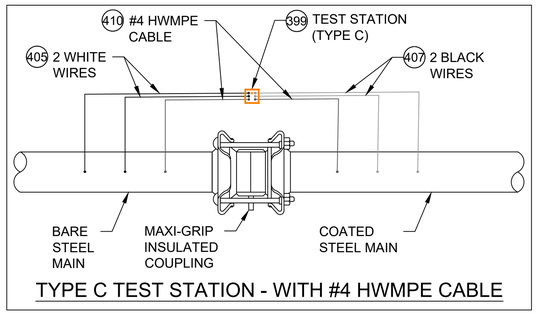
TYPE B TEST STATION

DETAIL CP2
SCALE: 1/2" = 1'-0"



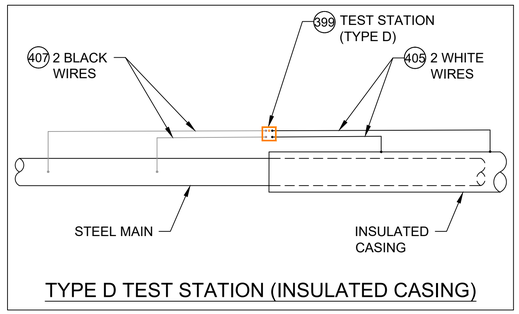
TYPE C TEST STATION

DETAIL CP3
SCALE: 1/2" = 1'-0"



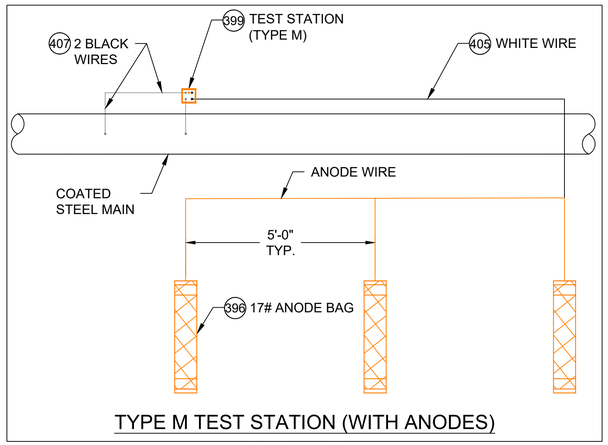
TYPE C TEST STATION - WITH #4 HWMPE CABLE

DETAIL CP4
SCALE: 1/2" = 1'-0"



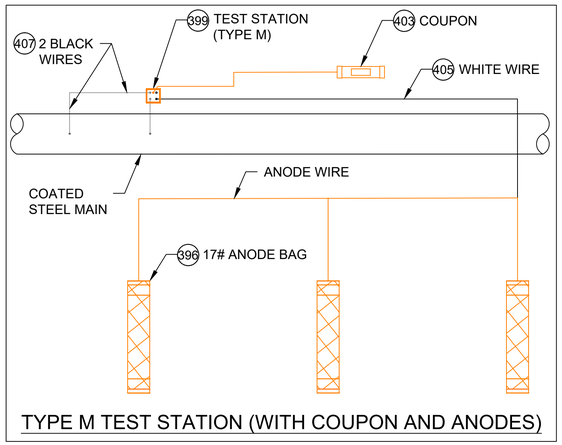
TYPE D TEST STATION (INSULATED CASING)

DETAIL CP5
SCALE: 1/2" = 1'-0"



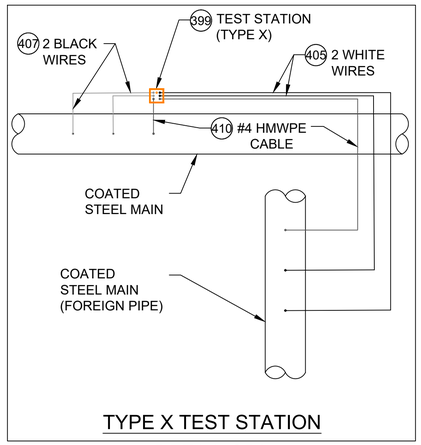
TYPE M TEST STATION (WITH ANODES)

DETAIL CP6
SCALE: 1/2" = 1'-0"



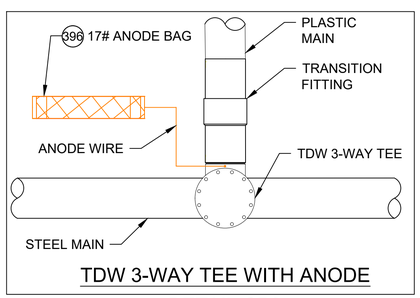
TYPE M TEST STATION (WITH COUPON AND ANODES)

DETAIL CP7
SCALE: 1/2" = 1'-0"



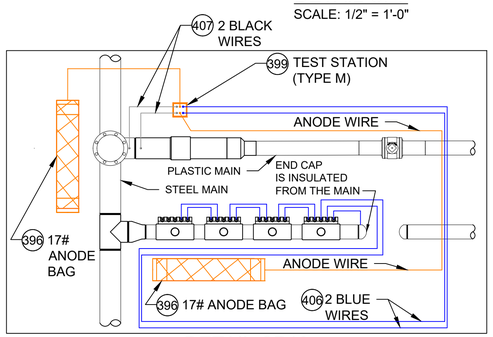
TYPE X TEST STATION

DETAIL CP8
SCALE: 1/2" = 1'-0"

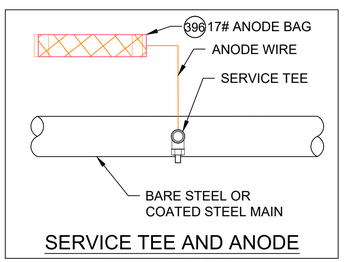


TDW 3-WAY TEE WITH ANODE

DETAIL CP9
SCALE: 1/2" = 1'-0"



DETAIL CP10
SCALE: 1/2" = 1'-0"



SERVICE TEE AND ANODE

DETAIL CP11
SCALE: 1/2" = 1'-0"

CATHODIC PROTECTION BILL OF MATERIALS

ITEM	MAXIMO NO.	DESCRIPTION	UNITS
396	577776	ANODE,BAG, 17 LB NET, HIGH POTENTIAL MAGNESIUM, W/ 10 FT #10 AWG TW ORANGE LEAD WIRE. PACKED IN CARDBOARD BOX 42 LB TOTAL WEIGHT	EA
397	409626	CONNECTOR, SPLIT BOLT, 12 SOLID - 10 STRANDED, CU TO CU, HOUSING (COVER) MATE IN 590389.	EA
398	590389	HOUSING, 50 V MAX, 10 AWG MAX, FOR PROTECTING TRACER WIRE SPLICES, USED WITH CONNECTOR IN 409626. 10/BAG	EA
399	590871	BOX VALVE, TEST STATION, CP TEST #178, 10-1/4 IN DIA. LID, 8-3/8 IN I.D. 16 IN H., ASTM A48 CL 25 CAST IRON, FOR OFF-ROAD USE ONLY	EA
400	400567	POWDER, CARTRIDGE, TYPE IS F-33, ALLOY , CAP COLOR CLEAR, 15 GM CHARGE, 20/PAC, FOR STEEL PIPE	BOX
401	559168	SLEEVE,ELECTRICAL, #14 TO 10 AWG, W/ THERMITE WELDER, FOR CATHODIC PROTECTION	EA
402	584045	EDI CONCENTRIC COUPON ASSEMBLY INCLUDING UCB-ZIN-LW010, 10 FT OF CABLE	ES
403	603126	EDI CONCENTRIC COUPON ASSEMBLY INCLUDING UCB-ZIN-LW025, 25 FT OF CABLE	ES
404	603140	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, RED, INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
405	578415	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, WHITE, INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
406	603141	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, BLUE INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
407	603139	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, BLACK, INSULATED, CU, 500 FT SPOOL,WIRE	ROLL
408	500804	WELDER,THERMITE, THERMITE, FOR GAS PIPE, #12 CABLE,HORIZONTAL STEEL PIPE 4 IN AND LARGER DIAMETER	EA
409	500805	WELDER,THERMITE, THERMITE, FOR GAS PIPE, #12 CABLE, HORIZONTAL STEEL PIPE 3/4 - 3-1/2 IN DIAMETER	EA
410	405850	CABLE, INSULATED, CATHODIC PROTECTION, 1/C, #4 AWG, 7 STR, 600 V, BLACK, HMWPE, CU, 1000 FT ROLLS	FT
411	397818	ANODE,BAG, 2.5 X 2.5 X 4.5 IN, 10 FT LG, 3 LB, MAGNESIUM, Alternate IN 577776	EA
577	603769	TRENTON-FILL POR PM-GP, 140 FA, FOR FILLING VOIDS & IRREGULAR SPACES PRIOR TO WRAPPING W/WAX TAPE, 0F TO 110F APPLICATION TEMPERATURE, 6 BLOCKS/CASE,	CASE
575	400572	PRIMER, 4 GAL/CASE, BROWN, FOR WAX TAPE, APPLICATION TEMP 0 TO 230 F, TEMCOAT 3000	EA
576	503673	TAPE,WAX, 9 FT LG X 4 IN W, 24 ROLLS/CS, ABOVE AND BELOW GROUND APPLICATIONS, TR-#2A WAX, ALUMINUM	ROLL
697	603423	TAPE,WAX, 9 FT LG X 6 IN W X 70-90 MIL THK, 16 ROLLS/CS, ABOVE AND BELOW GROUND APPLICATIONS, TR-#2A WAX, ALUMINUM	ROLL

NOTES:

1. ALL TEST STATION BOXES SHOULD BE INSTALLED IN A SAFE LOCATION WHERE ONE INDIVIDUAL CAN SAFELY OPEN AND ACCESS THE TEST WIRES. ALL TEST WIRES INSIDE THE BOX SHOULD HAVE ENOUGH SLACK ON THE WIRES SO THEY CAN EXTEND A MINIMUM OF 12" ABOVE GRADE.
2. FOR TYPE A TEST STATIONS, THE TWO WIRES SHOULD BE THERMITE WELDED TO THE COATED STEEL MAIN AND BE THE SAME COLOR. (COUPONS COULD BE ADDED TO THE TEST STATION TYPE).
3. FOR TYPE B TEST STATIONS, EACH OF THE FOUR WIRES SHOULD BE A DIFFERENT COLOR AND DOCUMENTED
4. FOR TYPE C TEST STATIONS, THE WIRES SHOULD BE THE SAME COLOR ON EACH SIDE OF THE INSULATED COUPLING. (ANODES AND/OR COUPONS COULD BE ADDED TO THIS TEST STATION TYPE).
5. FOR TYPE D TEST STATIONS WHICH ARE AT A CASING, WHITE WIRES ARE NORMALLY INSTALLED ON THE STEEL CASING AND BLACK WIRES ARE INSTALLED ON THE CARRIER PIPE. (ANODES AND/OR COUPONS COULD BE ADDED TO THIS TEST STATION TYPE).
6. FOR TYPE M TEST STATIONS, THE TWO WIRES THERMITE WELDED TO THE CARRIER PIPE SHOULD BE THE SAME COLOR WIRE. THERE IS ALSO MAGNESIUM ANODE(S) WIRE(S) LOCATED INSIDE THE TEST STATION BOX.THE WIRE COLOR (TYPICALLY ORANGE) FOR THE ANODES. IF THE ANODE WIRES ARE SPLICED TO A COMMON ANODE HEADER CABLE, THE ANODE HEADER CABLE SHOULD BE A (WHITE OR RED) DIFFERENT COLOR WIRE THAN THE WIRE THAT WAS THERMITE WELDED TO THE CARRIER PIPE. AT A TYPE M TEST STATION, NO MAGNESIUM ANODES SHOULD BE DIRECTLY THERMITE WELDED TO THE CARRIER PIPE OR IN CONTACT WITH THE CARRIER PIPE. THE ANODE HEADER WIRE OR INDIVIDUAL ANODE WIRES SHOULD TERMINATE INSIDE THE TEST STATION BOX. ANODES SHOULD BE SPACED A MINIMUM OF 5' ON CENTER FROM EACH OTHER AND A MINIMUM OF 12" AWAY AND BELOW THE BOTTOM OF THE STEEL MAIN.
7. IF COUPONS ARE TO BE INSTALLED , FIRST REMOVE THE PROTECTIVE LABEL COVERING THE STEEL COUPON AND THE RED STICKERS COVERING EACH SENSING PORT. CLEAN THE ENTIRE STEEL COUPON SURFACE WITH ALCOHOL TO REMOVE THE CORROSION INHIBITOR .PLACE THE COUPON ASSEMBLY APPROXIMATELY 12" FROM THE GAS MAIN BEING MONITORED WITH THE SENSING PORTS FACING THE GAS MAIN. THE COUPON ASSEMBLY SHOULD BE LOCATED ADJACENT TO THE BOTTOM PORTION OF THE GAS MAIN, ANYWHERE BETWEEN 3 O'CLOCK AND 9 O'CLOCK. THE SOIL BETWEEN THE COUPON AND THE MAIN SHOULD BE WELL COMPACTED AND CONTAIN NO ROCKS LARGER THAN A CENTIMETER IN DIAMETER OR FOREIGN MATERIAL.
8. ONE (1) 3# ANODE (MINIMUM) SHALL BE INSTALLED TO PROTECT THE CLAMPS ON EACH 10-FOOT SPAN OF PIPE. EACH 10-FOOT SPAN OF PIPE MUST BE A CONTINUOUS SECTION OF STEEL. CLAMPS ON NON-CONTINUOUS SECTIONS OF STEEL EVEN IF THEY ARE WITHIN 10 FEET OF EACH CANNOT BE PROTECTED BY THE SAME ANODE.
9. REFER TO CONSTRUCTION STANDARD CS-500 SECTION IV.G WHICH PROVIDES GENERAL GUIDANCE REGARDING “WRAPPING” FOR CORROSION PROTECTION. CS-500 SECTION IV.G.5. DESCRIBES THE BASIC STEPS REQUIRED TO WRAP LEAK REPAIR CLAMPS.

NOTE: DETAILS CP-9 AND CP-11 ARE FOR NEW STEEL FITTINGS THAT ARE NOT ELECTRICALLY ISOLATED FROM EXISTING UNPROTECTED STEEL. THESE ANODES ARE DIRECTLY CONNECTED TO THE NEW STEEL FITTING AND THE ANODE MUST BE A MINIMUM OF 2 FEET FROM ANY NEW ISOLATED FITTINGS OR ASSOCIATED ANODES.

SCALE: 1/2" = 1'-0"

No.	Description	Date	Dw/Ck

Revision/Status

JAMES ST - GSEP, SPRINGFIELD, MA
PROJECT # 24EG158 / WORK ORDER # 16828139
DETAILS, NOTES AND BILL OF MATERIALS

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

SCALE: NTS SHEET 28 OF 31

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 7/8/2024	TH 7/12/2024	MA-SPR-PIP-24-056-28	B

James St. - Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
C:\Users\kquinton\AppData\Local\Temp\AcPublish_4468\
Aug 13, 2024 - 2:42pm
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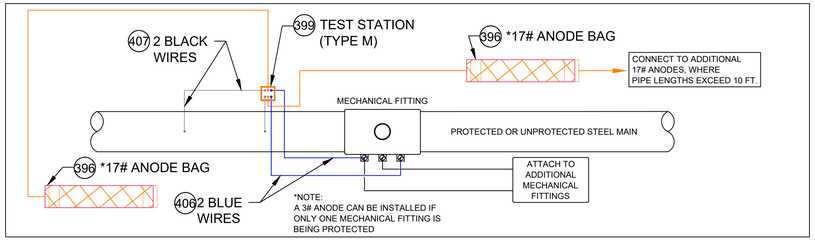
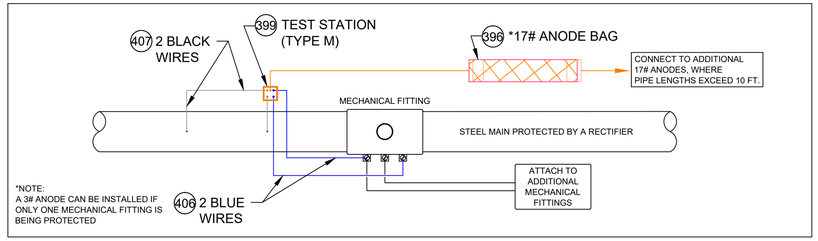


TEST STATION CONNECTION DETAILS FOR MECHANICAL FITTINGS INSTALLED ON A STEEL MAIN

DETAIL CP12

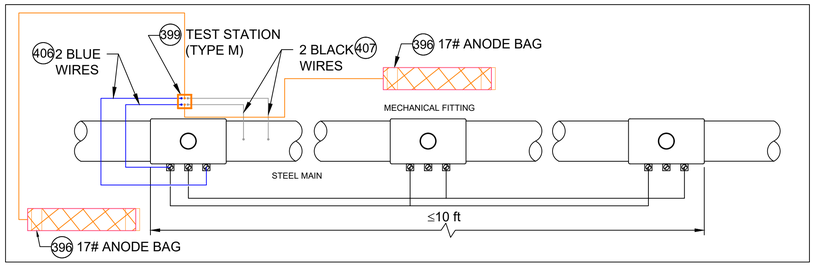
SCALE: 1/2" = 1'-0"



TEST STATION CONNECTION DETAILS FOR MECHANICAL FITTINGS INSTALLED ON STEEL MAIN PROTECTED BY A RECTIFIER

DETAIL CP13

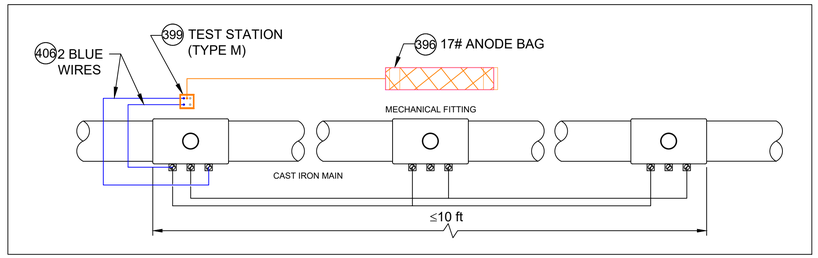
SCALE: 1/2" = 1'-0"



ANODE INSTALLATION FOR MULTIPLE MECHANICAL FITTINGS INSTALLED ON A ELECTRICALLY CONTINUOUS SECTION OF STEEL MAIN

DETAIL CP14

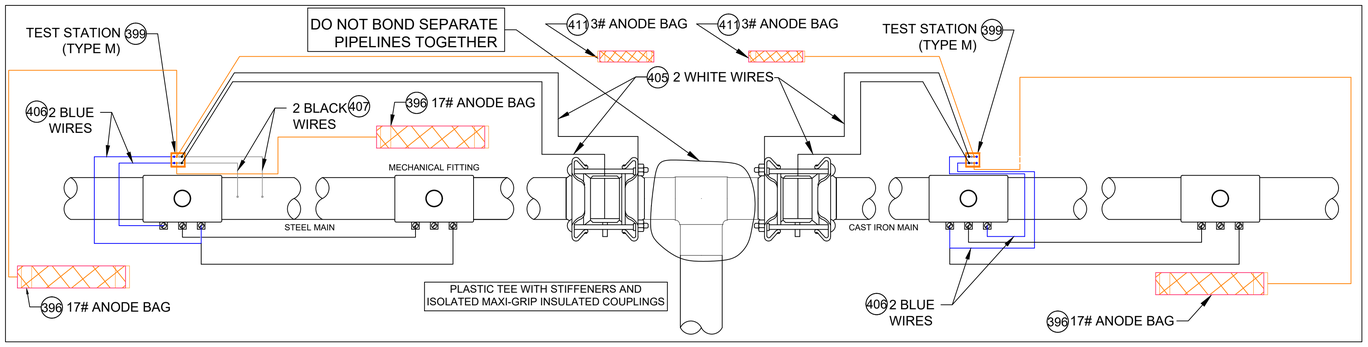
SCALE: 1/2" = 1'-0"



ANODE INSTALLATION FOR MULTIPLE MECHANICAL FITTINGS INSTALLED ON A CAST IRON MAIN

DETAIL CP15

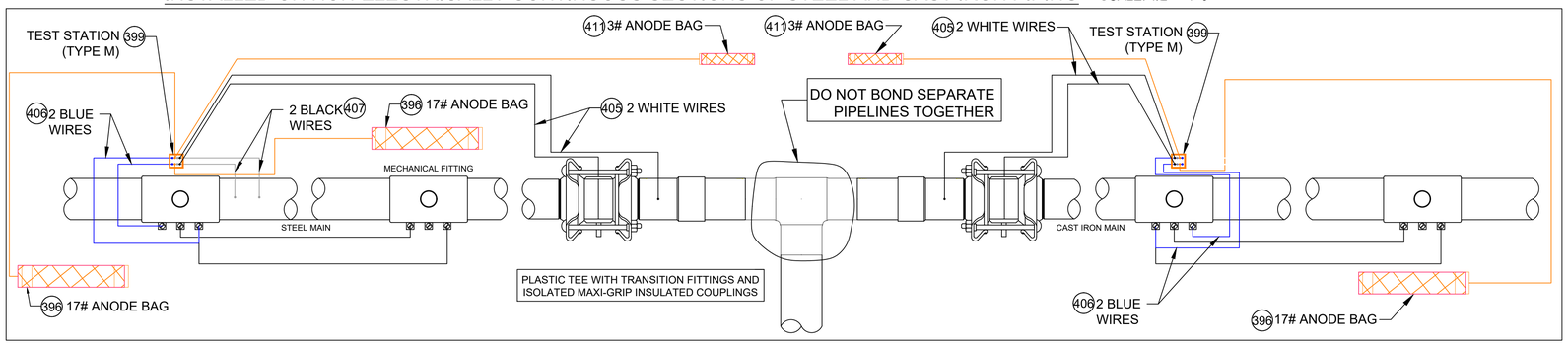
SCALE: 1/2" = 1'-0"



ANODE INSTALLATION FOR MULTIPLE MECHANICAL FITTINGS INSTALLED ON NON-ELECTRICALLY CONTINUOUS SECTIONS OF STEEL AND CAST IRON PIPING

DETAIL CP16

SCALE: 1/2" = 1'-0"



ANODE INSTALLATION FOR MULTIPLE MECHANICAL FITTINGS INSTALLED ON NON-ELECTRICALLY CONTINUOUS SECTIONS OF STEEL AND CAST IRON PIPING

DETAIL CP16A

SCALE: 1/2" = 1'-0"

CATHODIC PROTECTION BILL OF MATERIALS

ITEM	MAXIMO NO.	DESCRIPTION	UNITS
396	577776	ANODE,BAG, 17 LB NET, HIGH POTENTIAL MAGNESIUM, W/ 10 FT #10 AWG TW ORANGE LEAD WIRE, PACKED IN CARDBOARD BOX 42 LB TOTAL WEIGHT	EA
397	409626	CONNECTOR, SPLIT BOLT, 12 SOLID - 10 STRANDED, CU TO CU, HOUSING (COVER) MATE IN 590389.	EA
398	590389	HOUSING, 50 V MAX, 10 AWG MAX, FOR PROTECTING TRACER WIRE SPLICES, USED WITH CONNECTOR IN 409626. 10/BAG	EA
399	590871	BOX VALVE, TEST STATION, CP TEST #178, 10-1/4 IN DIA. LID, 8-3/8 IN I.D. 16 IN H., ASTM A48 CL 25 CAST IRON, FOR OFF-ROAD USE ONLY	EA
400	400567	POWDER, CARTRIDGE, TYPE IS F-33, ALLOY , CAP COLOR CLEAR, 15 GM CHARGE, 20/PAC, FOR STEEL PIPE	BOX
401	559168	SLEEVE,ELECTRICAL, #14 TO 10 AWG, W/ THERMITE WELDER, FOR CATHODIC PROTECTION	EA
402	584045	EDI CONCENTRIC COUPON ASSEMBLY INCLUDING UCB-ZIN-LW010, 10 FT OF CABLE	ES
403	603126	EDI CONCENTRIC COUPON ASSEMBLY INCLUDING UCB-ZIN-LW025, 25 FT OF CABLE	ES
404	603140	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, RED, INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
405	578415	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, WHITE, INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
406	603141	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, BLUE INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
407	603139	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, BLACK, INSULATED, CU, 500 FT SPOOL,WIRE	ROLL
408	500804	WELDER,THERMITE, THERMITE, FOR GAS PIPE, #12 CABLE,HORIZONTAL STEEL PIPE 4 IN AND LARGER DIAMETER	EA
409	500805	WELDER,THERMITE, THERMITE, FOR GAS PIPE, #12 CABLE, HORIZONTAL STEEL PIPE 3/4 - 3-1/2 IN DIAMETER	EA
410	405850	CABLE, INSULATED, CATHODIC PROTECTION, 1/C, #4 AWG, 7 STR, 600 V, BLACK, HMWPE, CU, 1000 FT ROLLS	FT
411	397818	ANODE,BAG, 2.5 X 2.5 X 4.5 IN, 10 FT LG, 3 LB, MAGNESIUM, Alternate IN 577776	EA
577	603769	TRENTON-FILL POR PM-GP, 140 FA, FOR FILLING VOIDS & IRREGULAR SPACES PRIOR TO WRAPPING W/WAX TAPE, 0F TO 110F APPLICATION TEMPERATURE, 6 BLOCKS/CASE,	CASE
575	400572	PRIMER, 4 GAL/CASE, BROWN, FOR WAX TAPE, APPLICATION TEMP 0 TO 230 F, TEMCOAT 3000	EA
576	503673	TAPE,WAX, 9 FT LG X 4 IN W, 24 ROLLS/CS, ABOVE AND BELOW GROUND APPLICATIONS, TR-#2A WAX, ALUMINUM	ROLL
697	603423	TAPE,WAX, 9 FT LG X 6 IN W X 70-90 MIL THK, 16 ROLLS/CS, ABOVE AND BELOW GROUND APPLICATIONS, TR-#2A WAX, ALUMINUM	ROLL

NOTES:

1. ALL TEST STATION BOXES SHOULD BE INSTALLED IN A SAFE LOCATION WHERE ONE INDIVIDUAL CAN SAFELY OPEN AND ACCESS THE TEST WIRES. ALL TEST WIRES INSIDE THE BOX SHOULD HAVE ENOUGH SLACK ON THE WIRES SO THEY CAN EXTEND A MINIMUM OF 12" ABOVE GRADE.
2. FOR TYPE A TEST STATIONS, THE TWO WIRES SHOULD BE THERMITE WELDED TO THE COATED STEEL MAIN AND BE THE SAME COLOR. (COUPONS COULD BE ADDED TO THE TEST STATION TYPE).
3. FOR TYPE B TEST STATIONS, EACH OF THE FOUR WIRES SHOULD BE A DIFFERENT COLOR AND DOCUMENTED
4. FOR TYPE C TEST STATIONS, THE WIRES SHOULD BE THE SAME COLOR ON EACH SIDE OF THE INSULATED COUPLING. (ANODES AND/OR COUPONS COULD BE ADDED TO THIS TEST STATION TYPE).
5. FOR TYPE D TEST STATIONS WHICH ARE AT A CASING, WHITE WIRES ARE NORMALLY INSTALLED ON THE STEEL CASING AND BLACK WIRES ARE INSTALLED ON THE CARRIER PIPE. (ANODES AND/OR COUPONS COULD BE ADDED TO THIS TEST STATION TYPE).
6. FOR TYPE M TEST STATIONS, THE TWO WIRES THERMITE WELDED TO THE CARRIER PIPE SHOULD BE THE SAME COLOR WIRE. THERE IS ALSO MAGNESIUM ANODE(S) WIRE(S) LOCATED INSIDE THE TEST STATION BOX.THE WIRE COLOR (TYPICALLY ORANGE) FOR THE ANODES. IF THE ANODE WIRES ARE SPLICED TO A COMMON ANODE HEADER CABLE, THE ANODE HEADER CABLE SHOULD BE A (WHITE OR RED) DIFFERENT COLOR WIRE THAN THE WIRE THAT WAS THERMITE WELDED TO THE CARRIER PIPE. AT A TYPE M TEST STATION, NO MAGNESIUM ANODES SHOULD BE DIRECTLY THERMITE WELDED TO THE CARRIER PIPE OR IN CONTACT WITH THE CARRIER PIPE. THE ANODE HEADER WIRE OR INDIVIDUAL ANODE WIRES SHOULD TERMINATE INSIDE THE TEST STATION BOX. ANODES SHOULD BE SPACED A MINIMUM OF 5' ON CENTER FROM EACH OTHER AND A MINIMUM OF 12" AWAY AND BELOW THE BOTTOM OF THE STEEL MAIN.
7. IF COUPONS ARE TO BE INSTALLED , FIRST REMOVE THE PROTECTIVE LABEL COVERING THE STEEL COUPON AND THE RED STICKERS COVERING EACH SENSING PORT. CLEAN THE ENTIRE STEEL COUPON SURFACE WITH ALCOHOL TO REMOVE THE CORROSION INHIBITOR .PLACE THE COUPON ASSEMBLY APPROXIMATELY 12" FROM THE GAS MAIN BEING MONITORED WITH THE SENSING PORTS FACING THE GAS MAIN. THE COUPON ASSEMBLY SHOULD BE LOCATED ADJACENT TO THE BOTTOM PORTION OF THE GAS MAIN, ANYWHERE BETWEEN 3 O'CLOCK AND 9 O'CLOCK. THE SOIL BETWEEN THE COUPON AND THE MAIN SHOULD BE WELL COMPACTED AND CONTAIN NO ROCKS LARGER THAN A CENTIMETER IN DIAMETER OR FOREIGN MATERIAL.
8. ONE (1) 3# ANODE (MINIMUM) SHALL BE INSTALLED TO PROTECT THE CLAMPS ON EACH 10-FOOT SPAN OF PIPE. EACH 10-FOOT SPAN OF PIPE MUST BE A CONTINUOUS SECTION OF STEEL. CLAMPS ON NON-CONTINUOUS SECTIONS OF STEEL EVEN IF THEY ARE WITHIN 10 FEET OF EACH CANNOT BE PROTECTED BY THE SAME ANODE.
9. REFER TO CONSTRUCTION STANDARD CS-500 SECTION IV.G WHICH PROVIDES GENERAL GUIDANCE REGARDING "WRAPPING" FOR CORROSION PROTECTION. CS-500 SECTION IV.G.5. DESCRIBES THE BASIC STEPS REQUIRED TO WRAP LEAK REPAIR CLAMPS.

NOTE: WHEN MULTIPLE WIRES FROM DIFFERENT PIPE SECTIONS ARE IN THE SAME TEST STATION, THE WIRES FROM THE SAME PIPE SECTION AND ASSOCIATED ANODE WILL BE TAPED TOGETHER INSIDE THE TEST STATION.

SCALE: 1/2" = 1'-0"

No.	Description	Date	Dw/Ck

Revision/Status

JAMES ST - GSEP, SPRINGFIELD, MA

PROJECT # 24EG158 / WORK ORDER # 16828139

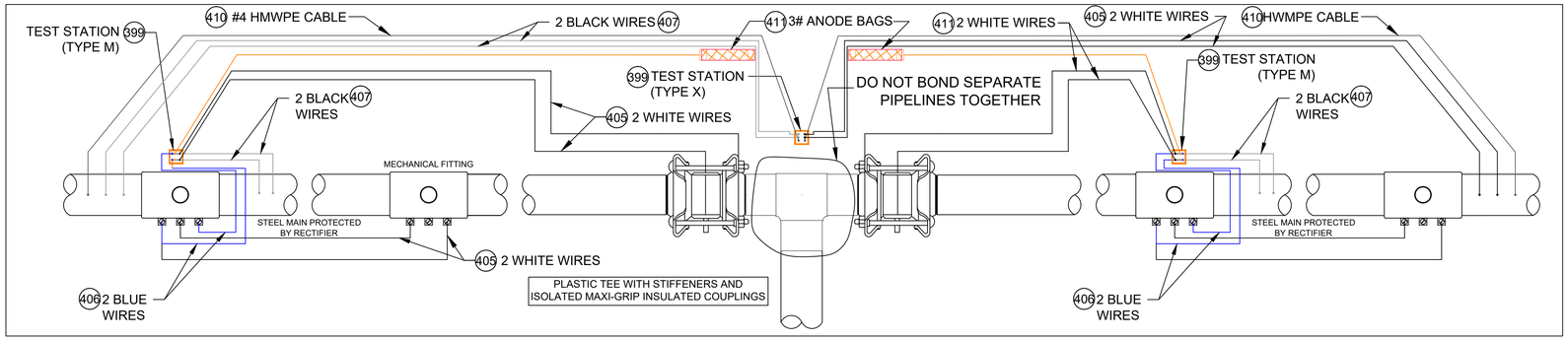
DETAILS, NOTES AND BILL OF MATERIALS

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

SCALE: NTS SHEET 29 OF 31

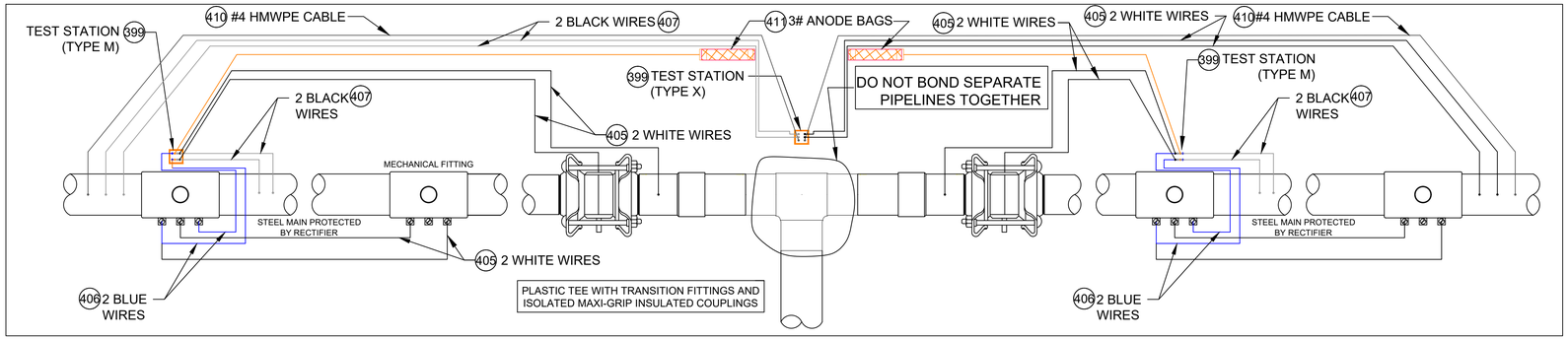
Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 7/8/2024	TH 7/12/2024	MA-SPR-PIP-24-056-29	B

James St - Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
C:\Users\kquinton\AppData\Local\Temp\AcPublish_4468\
Aug 13, 2024 - 2:42pm
Attachment: James St - Pro Drawing Rev0 - PE Stamped (8324 : Eversource Gas - James St.)



ANODE INSTALLATION FOR MULTIPLE MECHANICAL FITTINGS
INSTALLED ON NON-ELECTRICALLY CONTINUOUS SECTIONS OF COATED STEEL PIPING

DETAIL CP17
SCALE: 1/2" = 1'-0"



ANODE INSTALLATION FOR MULTIPLE MECHANICAL FITTINGS
INSTALLED ON NON-ELECTRICALLY CONTINUOUS SECTIONS OF COATED STEEL PIPING

DETAIL CP17A
SCALE: 1/2" = 1'-0"

CATHODIC PROTECTION BILL OF MATERIALS

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409	500805	WELDER,THERMITE, THERMITE, FOR GAS PIPE, #12 CABLE, HORIZONTAL STEEL PIPE 3/4 - 3-1/2 IN DIAMETER	EA
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SCALE: 1/2" = 1'-0"

No.	Description	Date	Dw/Ck

Revision/Status

JAMES ST - GSEP, SPRINGFIELD, MA
PROJECT # 24EG158 / WORK ORDER # 16828139
DETAILS, NOTES AND BILL OF MATERIALS

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

SCALE: NTS SHEET 30 OF 31

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 7/8/2024	TH 7/12/2024	MA-SPR-PIP-24-056-30	B

EGMA DRAWING TEMPLATE - 02-09-2023
James St. - Pro Drawing Rev0.dwg
C:\Users\kquinton\AppData\Local\Temp\AcPublish_4468\
Aug 13, 2024 - 2:42pm
Attachment: James St - Pro Drawing Rev0 - PE Stamped (8324 : Eversource Gas - James St.)

James St - Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
C:\Users\kquinton\AppData\Local\Temp\AcPublish_4468\

No.	Description	Date	Dw/Ck

Revision/Status

JAMES ST - GSEP, SPRINGFIELD, MA

PROJECT # 24EG158 / WORK ORDER # 16828139

PLAN

FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

SCALE: NTS SHEET 31 OF 31

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 7/8/2024	TH 7/12/2024	MA-SPR-PIP-24-056-31	P

Attachment: James St - Pro Drawing Rev0 - PE Stamped (8324 : Eversource Gas - James St.)

Aug 13, 2024 - 2:42pm

EVERSOURCE

Honorable Mayor and City Council
City of Springfield
City Hall
Court Street
Springfield, MA 01103

ATTN: Mr. Anthony Wilson, City Clerk

PROJECT NAME: James St – GSEP

Ladies & Gentlemen:

Eversource Gas of Massachusetts (EGMA) hereby requests that it be granted a location for and permission to install underground gas facilities within a section of the James St neighborhoods (as seen in the attached plan). Work will extend to the following streets in varying degrees/durations:

Street Name	From	To
Cedar St	Pine St	Walnut St
James St	Walnut St	Cedar St
Ashley St	Cedar St	Hancock St
Lebanon St	Walnut St	Hancock St
Hancock St	Queen St	Greene St

This Project will introduce modernized high-density polyethylene gas infrastructure to the area, and retire aged cast iron gas infrastructure. All proposed work by EGMA will include such laterals and service connections as it may now or subsequently find necessary.

Sincerely,

Matthew Nichols

Matthew Nichols
Engineer
Eversource Gas of Massachusetts
2025 Roosevelt Avenue
Springfield, MA 01104
Cell: 781-490-3039
Email: matthew.nichols@eversource.com

Attachment: James St - Springfield City Council Letter (8324 : Eversource Gas - James St.)

CITY OF SPRINGFIELD, MASSACHUSETTS

October 24, 2024

TO THE MAYOR AND CITY COUNCIL OF THE CITY OF SPRINGFIELD:

The Board of Public Works, to which was referred the petition of the Eversource-Gas of Massachusetts, dated October 1, 2024, to install and replace underground gas facilities within a section of James Street, Cedar Street, Ashley Street, Lebanon Street, and Hancock Street to retire low-pressure cast iron gas infrastructure and update the system to medium-pressure., all shown on a plan attached with a project name, James Street which is incorporated herein by reference and to lay and maintain underground gas main pipes for improvements of the system reports thereon as follows:

By virtue of Chapter 708 of the Acts of 1977, the Board of Public Works held the hearing on the above matter provided for in Section 22 of Chapter 166 of the General Laws. The hearing was held on October 24, 2024, at 3:30 P.M. at the corner of Walnut Street and James Street in Springfield, MA. After due notice from the office of the City Clerk. two (2) members of the Board and one (1) person interested in the matter were present. Of the latter, one (1) voted in favor and no one (0) voted against.

The Board finds the request necessary so that the utility company can upgrade existing underground facilities to improve the quality of service in this area.

After careful consideration, the Board recommends the petition be granted provided:

That due care for public safety is exercised during construction including but not limited to the use of a police officer(s) for traffic control if necessary.

That said construction would not unnecessarily interfere with the movement of vehicular or pedestrian traffic in the area.

That care be taken during said construction not to damage any underground services.

That the construction site be returned to the same condition as found or better.

Said company shall indemnify and save harmless against all damages, costs, and expenses whatsoever to which the City may be subjected in consequence of the acts or neglect of said Company, its agents or servants, or in any manner arising from the rights and privileges granted it by the City.

Attachment: Report James St (8324 : Eversource Gas - James St.)

In addition, said company shall, before a public way is disturbed for the laying of its wire or conduit, execute its bond in the penal sum of Ten Thousand Dollars ($10,000) conditioned for the faithful performance of its duties under this permit.

Said company shall comply with the requirements of existing Ordinances and orders and comply with any changes in Ordinances and orders as may hereafter be adopted by the Mayor and Council governing the construction and maintenance of buried cable, conduits, and wires.

Any sidewalks that are damaged or removed will be replaced in kind and accordance with the City of Springfield's Standard Specifications.

Ramps for the handicapped will be provided if and where required by law and in conformance with the Rules and Regulations of the Massachusetts Architectural Barrier Board.

Any curbing that is disturbed during construction will be reset to the established street grade using proper construction procedures.

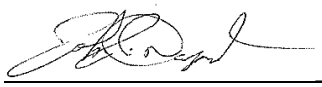
That due care be exercised not to unnecessarily damage any public shade trees located within the construction area.

That the Springfield Water and Sewer Commission be notified before construction begins. All installations of adjacent utilities must be a minimum of 4 feet from the existing water and/or sewer main, edge to edge of the pipe.

That all conditions outlined in the respective order are complied with.

_____)

_____) BOARD OF PUBLIC WORKS



_____)

Attachment: Report James St (8324 : Eversource Gas - James St.)

City Council
36 Court Street
Springfield, MA 01103

SCHEDULED

PETITION (ID # 8325)

Meeting: 11/18/24 07:00 PM
Department: Department of Public Works
Category: General
Prepared By: Hector Velez
Initiator: Hector Velez
Sponsors:
DOC ID: 8325

Eversource Gas - Armory St.

ORDER FOR LOCATION OF UNDERGROUND CONDUIT

WHEREAS, The Board of Public Works, to which was referred the petition of Eversource-Gas To install and replace underground gas facilities within a section of Armory Street and Liberty Street to retire low-pressure cast iron gas infrastructure.

WHEREAS, said petition Armory Street was referred to the Board of Public Works on October 1, 2024; and

WHEREAS, On October 8, 2024, a Notice of a Public Hearing on Armory Street to be held on October 23, 2024, was sent by mail, to all property owners abutting an affected road, various Departments, Utility Companies, etc before the day of the hearing and posted on two public bulletin board a copy of which is attached a hearing of the Board of Public Works was held as scheduled on-site with the petitioner and interested parties.

WHEREAS, on October 23, 2024, the Board of Public Works reported thereon that, after careful consideration of the petition of Armory Street to install and replace underground gas facilities within a section of Armory Street and Liberty Street to retire low-pressure cast iron gas infrastructure., all as substantially shown on a plan attached with project name:

Armory Street

Consisting of twenty (20) sheets, which plan is incorporated herein by reference and is on file in the office of the Engineering Division of the Department of Public Works, Springfield, Massachusetts.

WHEREAS, the petition Armory Street came before the City Council for a Public Hearing on this date,

NOW, THEREFORE, BE IT ORDERED:

1. That due care for public safety is exercised during construction including but not limited to the use of a police officer(s) for traffic control if necessary.

2. That said construction would not unnecessarily interfere with the movement of vehicular or pedestrian traffic in the area.

3. That care be taken during said construction not to damage any underground services.

4. That the construction site be returned to the same condition as found or better.

5. Said company shall indemnify and save harmless against all damages, costs, and expenses whatsoever to which the City may be subjected in consequence of the acts or neglect of said Company, its agents or servants, or in any manner arising from the rights and privileges granted it by the City.

6. In addition, said company shall, before a public way is disturbed for the laying of its wire or conduit, execute its bond in the penal sum of Ten Thousand Dollars ($10,000) conditioned for the faithful performance of its duties under this permit.

7. Said company shall comply with the requirements of existing Ordinances and orders and comply with any changes in Ordinances and orders as may hereafter be adopted by the Mayor and Council governing the construction and maintenance of buried cable, conduits, and wires.

8. Any sidewalks that are damaged or removed will be replaced in kind and accordance with the City of Springfield's Standard Specifications.

9. Ramps for the handicapped will be provided if and where required by law and in conformance with the Rules and Regulations of the Massachusetts Architectural Barrier Board.

10. Any curbing that is disturbed during construction will be reset to the established street grade using proper construction procedures.

11. That all proposed silo, manhole, and hex-hole covers will conform to and be compatible with an established street, tree belt, or sidewalk grades with suitable non-skid covers when in the sidewalk area.

12. The Springfield Water and Sewer Commission be notified before construction begins. All installations of adjacent utilities must be a minimum of 4 feet from the existing water and/or sewer main, edge to edge of the pipe.

13. That asphalt trench restoration be done in accordance with the City of Springfield DPW requirements.

14. That all conditions outlined in the respective order are complied with.

CITY OF SPRINGFIELD, MASSACHUSETTS

October 23, 2024

TO THE MAYOR AND CITY COUNCIL OF THE CITY OF SPRINGFIELD:

The Board of Public Works, to which was referred the petition of the Eversource-Gas of Massachusetts, dated October 1, 2024, to install and replace underground gas facilities within a section of Armory Street and Liberty Street to retire low-pressure cast iron gas infrastructure and update the system to medium-pressure., all shown on a plan attached with a project name, Armory Street which is incorporated herein by reference and to lay and maintain underground gas main pipes for improvements of the system reports thereon as follows:

By virtue of Chapter 708 of the Acts of 1977, the Board of Public Works held the hearing on the above matter provided for in Section 22 of Chapter 166 of the General Laws. The hearing was held on October 23, 2024, at 3:30 P.M. at the corner of Armory Street and Taylor Street in Springfield, MA. After due notice from the office of the City Clerk. two (2) members of the Board and one (1) person interested in the matter were present. Of the latter, one (1) voted in favor and no one (0) voted against.

The Board finds the request necessary so that the utility company can upgrade existing underground facilities to improve the quality of service in this area.

After careful consideration, the Board recommends the petition be granted provided:

That due care for public safety is exercised during construction including but not limited to the use of a police officer(s) for traffic control if necessary.

That said construction would not unnecessarily interfere with the movement of vehicular or pedestrian traffic in the area.

That care be taken during said construction not to damage any underground services.

That the construction site be returned to the same condition as found or better.

Said company shall indemnify and save harmless against all damages, costs, and expenses whatsoever to which the City may be subjected in consequence of the acts or neglect of said Company, its agents or servants, or in any manner arising from the rights and privileges granted it by the City.

Attachment: Report Armory St (8325 : Eversource Gas - Armory St.)

In addition, said company shall, before a public way is disturbed for the laying of its wire or conduit, execute its bond in the penal sum of Ten Thousand Dollars ($10,000) conditioned for the faithful performance of its duties under this permit.

Said company shall comply with the requirements of existing Ordinances and orders and comply with any changes in Ordinances and orders as may hereafter be adopted by the Mayor and Council governing the construction and maintenance of buried cable, conduits, and wires.

Any sidewalks that are damaged or removed will be replaced in kind and accordance with the City of Springfield's Standard Specifications.

Ramps for the handicapped will be provided if and where required by law and in conformance with the Rules and Regulations of the Massachusetts Architectural Barrier Board.

Any curbing that is disturbed during construction will be reset to the established street grade using proper construction procedures.

That due care be exercised not to unnecessarily damage any public shade trees located within the construction area.

That the Springfield Water and Sewer Commission be notified before construction begins. All installations of adjacent utilities must be a minimum of 4 feet from the existing water and/or sewer main, edge to edge of the pipe.

That all conditions outlined in the respective order are complied with.

John J. Fitzgerald)

_____)

_____)

BOARD OF PUBLIC WORKS

Attachment: Report Armory St (8325 : Eversource Gas - Armory St.)

EVERSOURCE

Honorable Mayor and City Council
City of Springfield
City Hall
Court Street
Springfield, MA 01103

ATTN: Mr. Anthony Wilson, City Clerk

PROJECT NAME: Armory St Bridge over CSX – MASSDOT

Ladies & Gentlemen:

Eversource Gas of Massachusetts (EGMA) hereby requests that it be granted a location for and permission to install underground gas facilities within a section of the Armory St and Liberty St neighborhoods (as seen in the attached plan). Work will extend to the following streets in varying degrees/durations:

Street Name	From	To
Armory St	Albany St	Taylor St
Liberty St	Webster St	Heywood St

This Project will introduce modernized high-density polyethylene gas infrastructure to the area, and retire aged steel gas infrastructure. All proposed work by EGMA will include such laterals and service connections as it may now or subsequently find necessary.

Sincerely,

Matthew Nichols

Matthew Nichols
Engineer
Eversource Gas of Massachusetts
2025 Roosevelt Avenue
Springfield, MA 01104
Cell: 781-490-3039
Email: matthew.nichols@eversource.com

Attachment: Armory St - Springfield City Council Letter (8325 : Eversource Gas - Armory St.)

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EVERSOURCE ENERGY

WORK SCOPE

PROJECT SUMMARY TABLE
INSTALLATION INFORMATION

Work Type	LENGTH (FT)	SIZE (IN)	MAOP	MATERIAL
INSTALL	521'	6"	60 PSIG - MP	HDPE
INSTALL	346'	10"	60 PSIG - MP	CSMP
			INSTALLATION TOTAL	867'
			UPRATE/RETEST TOTAL	0'

PROJECT SUMMARY TABLE
ABANDONMENT INFORMATION

LENGTH (FT)	SIZE (IN)	MAOP	ABANDONMENT CLASS
308'	10"	60-PSIG - MP	CSMP
		GSEP ABANDONMENT SUBTOTAL	308'
		NON-GSEP ABANDONMENT SUBTOTAL	0'
		ABANDONMENT TOTAL	308'

ISSUED FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
MARK E. PETROSKI
9/9/2024
CIVIL
NO. 54037
REGISTERED PROFESSIONAL ENGINEER

THE DDS COMPANIES

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
00	ISSUED FOR CONSTRUCTION	09/09/24	CJV/MEP

Revision/Status

EVERSOURCE ENERGY

ARMORY ST BRIDGE OVER CSX - MASSDOT, SPRINGFIELD, MA
PROJECT # 24EG096 - WO# 15022881
COVER SHEET

SCALE: 1"=200' ON 24"X36" SHEET 01 OF 20

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
CSB / 09/09/2024	CJV / 09/09/2024	MA-SPR-PIP-24-025-01	00

ARMORY ST BRIDGE OVER CSX - MASSDOT, SPRINGFIELD, MA
PROJECT #24EG096 - WO# 15022881

Attachment: Armory St Bridge_IFC Option A (8325 : Eversource Gas - Armory St.)

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Sep 11, 2024 - 8:28am

GENERAL NOTES:

A. 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.

1. IF THE TIE IN POINT MOVES TO A DIFFERENT SEGMENT OF PIPE THAN SHOWN.
2. IF A CHANGE IN THE LOCATION OF VALVES IS REQUIRED.
3. 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.
4. IF A CHANGE IN PIPE SIZE, MATERIAL, OR WALL THICKNESS IS REQUIRED.
5. ALTERNATE FITTINGS THAT ARE ACCEPTABLE FOR ANY TIE-IN DETAIL WILL BE CALLED OUT IN THE DRAWING. FITTING CHANGES NOT SHOWN AS ALTERNATIVES ON THE DRAWING WILL NEED TO FOLLOW THE DRAWING CHANGE PROCESS CONTAINED IN SECTION V.D.

B. CONSTRUCTION DRAWINGS, LOCATIONS OF EXISTING UTILITIES, UNDERGROUND STRUCTURES AND WORK LOCATIONS ARE BASED ON BEST AVAILABLE INFORMATION BUT HAVE NOT BEEN FIELD VERIFIED.

C. ALL WORK, MATERIAL AND CONSTRUCTION SHALL BE PERFORMED AND COMPLETED IN COMPLIANCE WITH ALL PERMITS AND APPROVALS PER EVERSOURCE, LOCAL, STATE, OSHA AND FEDERAL REGULATIONS AND STANDARDS.

D. ALL LIVE GAS WORK EXCEPT SERVICE SIZE TAPS, 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.

E. EXCAVATOR IS REQUIRED TO PROTECT EXISTING UTILITIES, STRUCTURES, LANDSCAPES FEATURES, SIGNAGE, CURBS, ETC. CARE SHOULD BE TAKEN NOT TO DISTURB OR DAMAGE SUCH ITEMS. 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.

F. 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.

OVERVIEW KEY MAP
NOT TO SCALE

ARMORY ST, SPRINGFIELD, MA — **COMPLETE BOM**

REQUIRED BILL OF MATERIALS

Item Number	Maximo Part Number	Description	Quantity	Units
17	500856	COUPLING, 6 IN IPS, ELECTROFUSION, HDPE, BLACK, ASTM F1055, GFCP	2	EA
48	500866	TEE, PIPE, NON-BLOWING, ELECTROFUSION TAPPING TEE 2 IN IPS MAIN X 1 /2 IN CTS 0.090 IN THK WALL STAB OUTLET, HDPE, BLACK	2	EA
55	500869	TEE,PIPE, NON-BLOWING, 6 X 1/2 IN CTS X 0.090 IN THK WALL SDR 7, ELECTROFUSION X COMPRESSION ENDS, POLYETHYLENE, PE3408	5	EA
62	500870	FITTING,TEE, 6 IN IPS X 2 IN IPS, ELECTROFUSION HIGH VOLUME TAPPING WITH BUTT FUSION OUTLET, HDPE, ASTM F1055, BLACK, GFCP	4	EA
370	513679	CABLE, INSULATED, MDP, #12 AWG, 7 STR, YELLOW, POLYETHYLENE-30, SOFT DRAWN CU, 500 FT/RL, FOR USED AS PIPE LOCATOR	560	FT
10	542539	CAP,PIPE, 6 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	5	EA
8	542572	CAP,PIPE, 2 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	3	EA
203	542628	CAP,PIPE, END, 10 IN, STD WALL, ASTM A234 GR B	2	EA
21	545342	ELBOW,PIPE, 90 DEG, 6 IN SDR 11, BUTT WELD ENDS, POLYETHYLENE, P100	4	EA
211	545359	ELBOW,PIPE, 90 DEG, 6 IN X 0.280 IN THK WALL, BUTT WELD ENDS, CS, ASTM A234 GR B, ANSI B16.9 , LONG RADIUS	1	EA
19	545367	ELBOW,PIPE, 90 DEG, 2 IN SDR 11, BUTT WELD ENDS, POLYETHYLENE, P100	1	EA
269	546242	FITTING,LINE STOPPER, BOTTOM OPENING, 6 IN , WELDED ENDS, W/ 150 LB FLANGE, FOR BEVELED 6.625 IN OD THIN WALL STEEL PIPE	1	EA
74	546254	FITTING,TRANSITION, 6 IN IPS CS X 6 IN IPS PE4710, SDR 11, STEEL WELD X PLASITC BUTT END	1	EA
487	551879	NIPPLE,PIPE, NON-BLOWING, 2 IN, 3 IN LG, SOCKET WELD X THREADED ENDS, CS	4	EA
6	554009	PIPE, 6 IN IPS X 0.602 IN THK WALL SDR 11, 6.625 IN OD, 40 FT LG, POLYETHYLENE, PE3408/PE100	560	FT
4	554032	PIPE, 2 IN IPS X 0.216 IN THK WALL SDR 11, 2.375 IN OD, 40 FT LG, POLYETHYLENE, PE3408/PE100, 3000 FT /BUNDLE, FOR WINTER USE	40	FT
26	555593	REDUCER,PIPE, 4 X 2 IPS, BUTT ENDS, POLYETHYLENE, P100, SDR11	1	EA
27	555594	REDUCER,PIPE, 6 X 4 IPS, BUTT ENDS, P100, POLYETYLENE, SDR 11	1	EA
31	560680	TEE,PIPE, 6 IN SDR 11, BUTT ENDS, POLYETHYLENE, P100	1	EA
36	562078	VALVE,BALL, 6 IN IPS, POLYETHYLENE, SDR 11, P100, BUTT WELD, W/ FULL PORT OPENING, BLACK FINISH	2	EA
368	565814	TAPE,WARNING, MARKED BURIED GAS LINE, 4 MIL, 1000 FT ROLL, 6 IN W, YELLOW, ISSUE EACH ROLL AS 1, T-01-A00,	1	RL
379	577776	ANODE,BAG, 17 LB NET, HIGH POTENTIAL MAGNESIUM, W/ 10 FT #10 AWG TW ORANGE LEAD WIRE, PACKED IN	6	EA
247	578180	FITTING,CAP, MAXI-GRIP EZ SERIES, CONDUCTIVE, NON-INSULATING, 10 IN IPS, 10.75 IN OD, GRAY FBE, W/ END CAP, 1 VENT, FOR STEEL PIPE	2	EA

ARMORY ST, SPRINGFIELD, MA — **COMPLETE BOM**

REQUIRED BILL OF MATERIALS

Item Number	Maximo Part Number	Description	Quantity	Units
213	583884	FITTING,ELBOW, 90 DEG, 10 IN X 0.365 IN THK WALL, WELDED ENDS, SCH 40, STEEL, LONG RADIUS, NSTAR M-137	3	EA
220	583885	FITTING,ELBOW, 45 DEG, 10 IN IPS X 0.365 IN THK WALL, WELDED ENDS, SCH 40, STEEL, NSTAR M-137	8	EA
60	584303	FITTING,TEE, 2 IN IPS X 2 IN IPS, HDPE, ELECTROFUSION HIGH VOLUME TAPPING TEE WITH BUTT FUSION OUTLET, HDPE, ASTM F1055, BLACK, GFCP	1	EA
1660	602892	FITTING,TEE, 2 IN IPS X 1 IN IPS, ELECTROFUSION, HDPE, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	2	EA
107	610008	PIPE, ERW, 10 IN X 0.250 IN THK WALL, DOUBLE RANDOM LG, BEVELED ENDS, CS, X42, PRITEC COATED, API 5L, CMA 726820	360	FT
488	610264	NIPPLE,PIPE, NON-BLOWING, DRILL, 1-1/4 IN X 3 IN, WELDED, 1440 PSIG, CMA 2485855	6	EA
90	610757	FITTING,CAP, END, LYCOFIT, 1/2 IN CTS X 0.090 IN THK WALL, PLASTIC, CMA 750823	7	EA
92	610763	FITTING,CAP, END, LYCOFIT, 2 IN IPS, PLASTIC, SDR 11, CMA 750830	4	EA
98	610764	FITTING,COUPLING, PIPE, LYCOFIT, 1/2 IN CTS X 0.090 IN WALL THK, PLASTIC, CMA 21658100	7	EA
99	610772	FITTING,COUPLING, REPAIR, LYCOFIT, 2 IN IPS, PLASTIC, SDR 11, CMA 21658101	4	EA
47	611123	BOX, CP TEST, 5 IN, 18 IN SHAFT LENGTH, TERMINAL PLATE WALL THK 0.150 + - 0.015, ABS PLASTIC, W/ NON-LOCKING MAGNETIZED COVER, CMA 4232849	2	EA
1656	620089	FITTING,COUPLING, PIPE, LYCOFIT, 1 IN IPS SDR11, PLASTIC	2	EA
1653	620808	FITTING,CAP, LYCOFIT, 1 IN IPS SDR 11, PLASTIC, ASTM F1924	2	EA
9992	SPECIAL ORDER	WELD, INSULATOR, 12 IN, STEEL	2	EA
9993	SPECIAL ORDER	1/4" THICK FRP SHIELD	4	EA
9994	SPECIAL ORDER	ANGLE BRACKET	4	EA
9995	SPECIAL ORDER	SINGLE PIPE ROLL	4	EA
9996	SPECIAL ORDER	STEEL SLEEVE WS-14-37-S-14	20	FT
9997	SPECIAL ORDER	LS-425-C LINK SEAL 14 IN STEEL PIPE	20	EA
9998	546254	FITTING, LINESTOPPER, BOTTOM OPENING, 10 IN	2	EA
9999	SPECIAL ORDER	VALVE, BALL, 10 IN, STEEL, WELD X WELD	2	EA
33	562087	VALVE,BALL, 2 IN IPS, POLYETHYLENE, SDR 11, BUTT WELD, W/ FULL PORT OPENING	1	EA

ISSUED FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
MARK E. PETROSKI
9/9/2024
CIVIL
NO. 54037
REGISTERED PROFESSIONAL ENGINEER

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
00	ISSUED FOR CONSTRUCTION	09/09/24	CJV/MEP

Revision/Status

EVERSOURCE ENERGY

ARMORY ST BRIDGE OVER CSX - MASSDOT, SPRINGFIELD, MA
PROJECT # 24EG096 - WO# 15022881
NOTES

SCALE: NTS — SHEET 02 OF 20

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
CSB 09/09/2024	CJV 09/09/2024	MA-SPR-PIP-24-025-02	00

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Attachment: Armory St Bridge_IFC Option A (8325 : Eversource Gas - Armory St.)

DRAWING LEGEND

GAS MAIN SYMBOLOGY

REGULATING STATION 50' BOUNDARY

EXISTING GAS MAIN — G — G —

PROPOSED GAS MAIN — G — G —

GAS MAIN TO BE ABANDONED — G — G —

GAS MAIN WITH SERVICE TRANSFERS — G — G —

GAS MAIN WITH PRESSURE INCREASE — G — G —

RIGHT-OF-WAY — — —

ELECTRIC — E — E —

WATER LINE — W — W —

SEWER LINE — S — S —

TELEPHONE — T — T —

DRAIN LINE — D — D —

FENCE LINE — x — x — x — x — x — x —

GAS MAIN MATERIAL/PRESSURE LABEL REFERENCES

MATERIAL CODES

CS*	Coated Steel Gas Main
CI*	Cast Iron Gas Main
BS*	Bare Steel Gas Main
WI*	Wrought Iron Gas Main
PH*	High Density Polyethylene Gas Main
PM*	Medium Density Polyethylene Gas Main

PRESSURE CODES

*LP	Low Pressure (<0.5 PSIG or 14" W.C.)
*IP	Intermediate Pressure (>2 PSIG ≤ 10 PSIG)
*MP	Medium Pressure (>10 PSIG ≤ 60 PSIG)
*HP	High Pressure (>60 PSIG)

MISCELLANEOUS CODES

*-SER	Service
*-R	Riser
(TC)	Transmission Class

GAS MAIN INSTALLATION METHOD LABEL REFERENCES

AT	Attached
BH	Bridge Hanger
BLGH	Building Hanger
DB	Directional Bore
IS	Inserted
OC	Open Cut
PB	Pneumatic Bore
PL	Plowed
RT	Roof Top
(E)	Existing
(P)	Proposed

GAS FACILITY SYMBOLOGY

x"GV	Gas Valve
x"PV	Critical Gas Valve (Gate - GV, Plug - PV, PE Ball - BP, ST Ball - BV)
x"HVTT	High Volume Tapping Tee
x"SST	Pressure Control Fitting - ShortStopp Tee
x"SPH	Pressure Control Fitting - Spherical Tee
x"MF-BO	Pressure Control Fitting - Mueller Bottom-out
x"MF-SO	Pressure Control Fitting - Mueller Side-out
x"MF-FT	Pressure Control Fitting - Mueller Flange Tee Pressure Control Fitting
x"SS	- ShortStopp
x"MF	Pressure Control Fitting - Mueller Stopper Polytapp Side Saddle
x"x x" POLYTAP	Fitting
	Transition
	End Cap
	Riser
	Reducer
EM	Electronic Marker
TWS	Flush-mounted Tracer Wire Station
	Post Pipeline Marker with Tracer Wire
MM	Gas Main Marker without Tracer Wire
W	Test Well
R	Regulator Station
R	Single Customer Regulator
M	Meter
MR	Meter with Regulator
P	Test Point (Station)
T	Gas Service Tie-over
R	Gas Service Replacement
MMO	Meter Move Out

SWING TIE SYMBOLOGY

T	Telephone Manhole
D	Drain Manhole
E	Electric Manhole
	Catch Basin
S	Sewer Manhole
	Fire Hydrant
	Utility Pole
	Property Marker
T	Telephone Pedestal
C	Television Pedestal
U	Unknown Manhole
WB	Water Box
WG	Water Gate
E	Electric Pedestal
	Iron Pin
	Light Pole
	Inside Meter
	Outside Meter

ISSUED FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
MARK E. PETROSKI
9/9/2024
CIVIL
NO. 54037
REGISTERED PROFESSIONAL ENGINEER

THE DDS COMPANIES

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
00	ISSUED FOR CONSTRUCTION	09/09/24	CJV/MEP

Revision/Status

EVERSOURCE ENERGY

ARMORY ST BRIDGE OVER CSX - MASSDOT, SPRINGFIELD, MA

PROJECT # 24EG096 - WO# 15022881

LEGEND

SCALE: NTS SHEET 03 OF 20

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
CSB 09/09/2024	CJV 09/09/2024	MA-SPR-PIP-24-025-03	00

Attachment: Armory St Bridge_IFC Option A (8325 : Eversource Gas - Armory St.)

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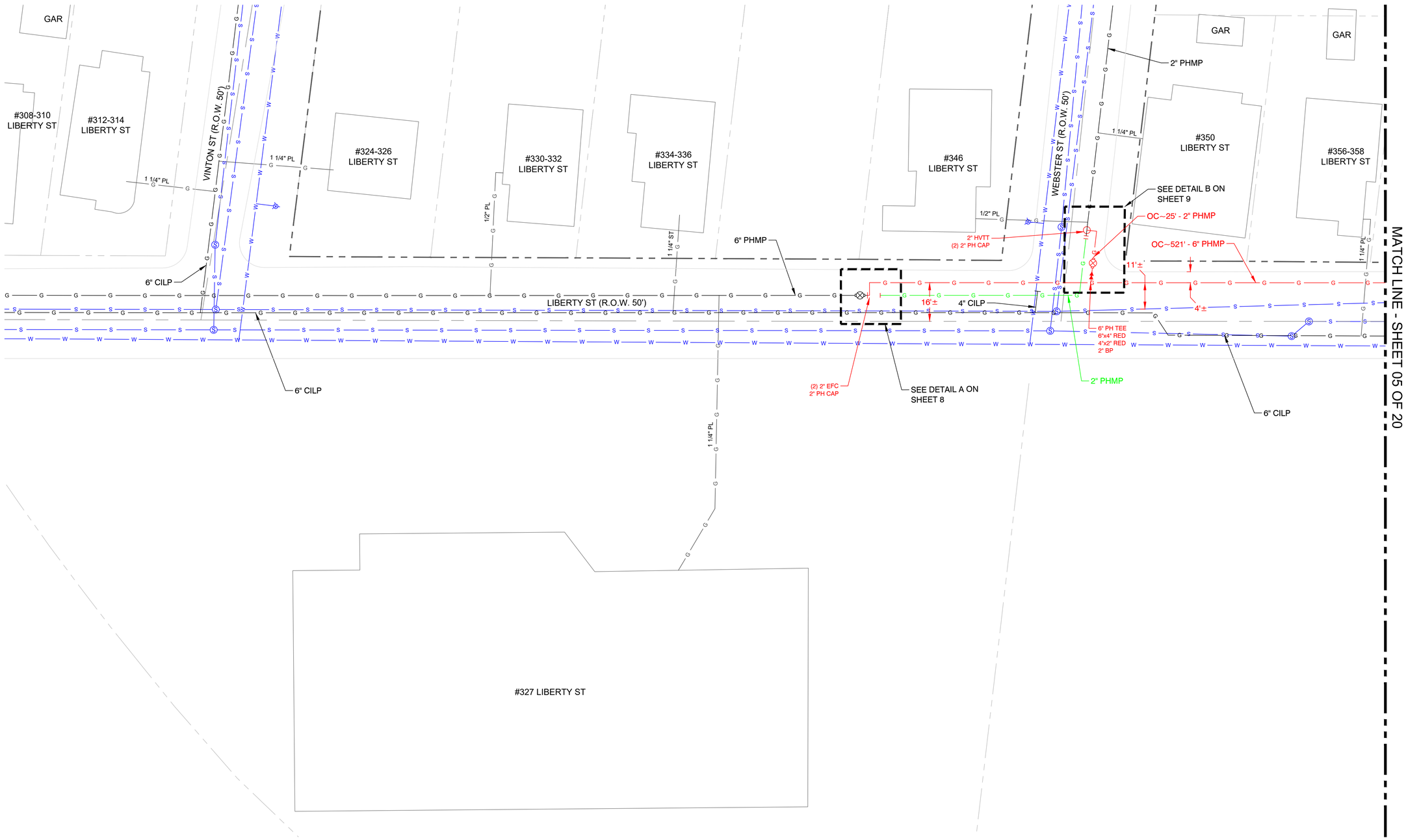

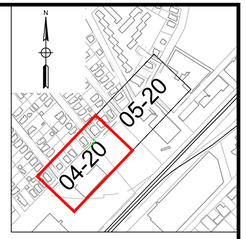

KEY MAP
SCALE: N.T.S.

No.	Description	Date	Dw/Ck
00	ISSUED FOR CONSTRUCTION	09/09/24	CJV/MEP

Revision/Status

ISSUED FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
MARK E. PETROSKI
9/9/2024
CIVIL
NO. 54037
REGISTERED PROFESSIONAL ENGINEER

THE DDS COMPANIES

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

EVERSOURCE ENERGY

ARMORY ST BRIDGE OVER CSX - MASSDOT, SPRINGFIELD, MA
PROJECT # 24EG096 - WO# 15022881
PROJECT LOCATION PLANS
SCALE: 1"=20' ON 24"X36" SHEET 04 OF 20

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
CSB 09/09/2024	CJV 09/09/2024	MA-SPR-PIP-24-025-04	00

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Attachment: Armory St Bridge_IFC Option A (8325 : Eversource Gas - Armory St.)

MATCH LINE - SHEET 04 OF 20

#362-364 LIBERTY ST

#366-368 LIBERTY ST

#9 MURRAY HILL AV

#3 MURRAY HILL AV E S

#396 LIBERTY ST

BASKETBALL COURT

#410 LIBERTY ST

#10 HEYWOOD ST

#417 LIBERTY ST

#417 LIBERTY ST

MURRAY HILL AVE (R.O.W. 50')

NURSERY ST (R.O.W. 45')

COLUMBIA TER (R.O.W. 40')

HEYWOOD ST (R.O.W. 45')

LIBERTY ST (R.O.W. 50')

1 1/4" ST

1 1/4" PL

2" PL

2" ST

4" PL

4" CILP

3" CILP

6" CILP

OC–521' - 6" PHMP

7'±

4'±

6" MF-BO
6" 90° EL
6" T-FIT
6" BP

SEE DETAIL C ON SHEET 10

6" CSMP

KEY MAP
SCALE: N.T.S.

04-20

05-20

No.	Description	Date	Dw/Ck
00	ISSUED FOR CONSTRUCTION	09/09/24	CJV/MEP

Revision/Status

ISSUED FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
MARK E. PETROSKI
9/9/2024
CIVIL
NO. 54037
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THE DDS COMPANIES

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

EVERSOURCE ENERGY

ARMORY ST BRIDGE OVER CSX - MASSDOT, SPRINGFIELD, MA
PROJECT # 24EG096 - WO# 15022881
PROJECT LOCATION PLANS
SCALE: 1"=20' ON 24"X36" SHEET 05 OF 20

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
CSB 09/09/2024	CJV 09/09/2024	MA-SPR-PIP-24-025-05	00

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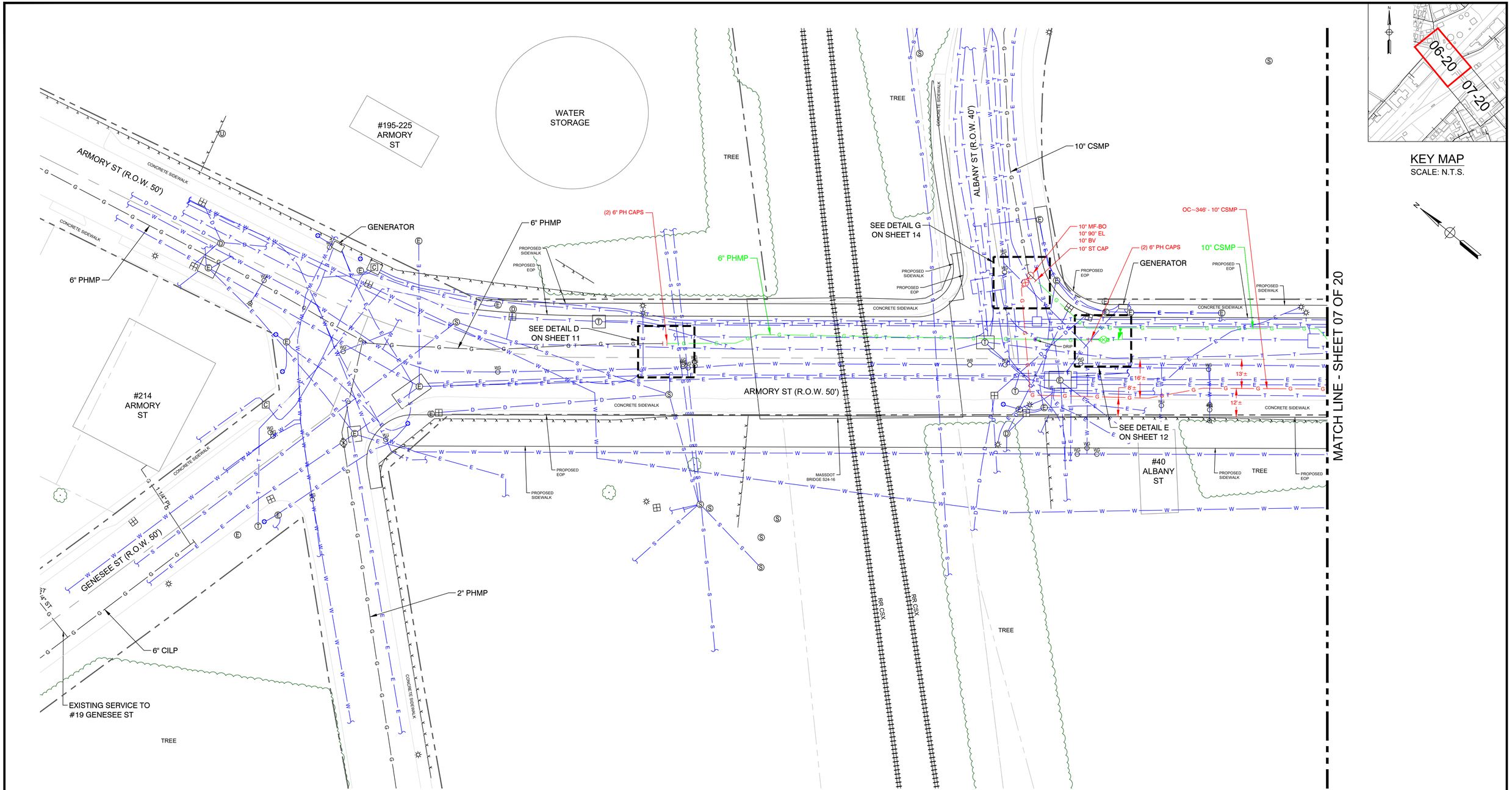
Sep 11, 2024 - 8:28am

Attachment: Armory St Bridge_IFC Option A (8325 : Eversource Gas - Armory St.)



KEY MAP
SCALE: N.T.S.

No.	Description	Date	Dw/Ck
00	ISSUED FOR CONSTRUCTION	09/09/24	CJV/MEP
	Revision/Status		

ISSUED FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
MARK E. PETROSKI
9/9/2024
CIVIL
NO. 54037
REGISTERED PROFESSIONAL ENGINEER

THE DDS COMPANIES

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

EVERSOURCE ENERGY

ARMORY ST BRIDGE OVER CSX - MASSDOT, SPRINGFIELD, MA
PROJECT # 24EG096 - WO# 15022881
PROJECT LOCATION PLANS
SCALE: 1"=20' ON 24"X36" SHEET 06 OF 20

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
CSB 09/09/2024	CJV 09/09/2024	MA-SPR-PIP-24-025-06	00

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Sep 11, 2024 - 8:28am

Attachment: Armory St Bridge_IFC Option A_08325 : Eversource Gas - Armory St.)

MATCH LINE - SHEET 06 OF 20

OC~346' - 10" CSMP

#145
ARMORY
ST

GENERATOR

AGNEW ST (R.O.W. VARIES)

4" PHMP

2" PHMP

#137
ARMORY
ST

#125
ARMORY
ST

HANNON ST (R.O.W. 50')

TREE

CONCRETE SIDEWALK

1 1/4" PL

ARMORY ST (R.O.W. 49.50')

-1" PHMP

13'±

12'±

6" PHMP

TREE

MASSDOT
BRIDGE S24-16

10" CSMP

SEE DETAIL F ON
SHEET 13

10" ST CAP
10" MF-BO
10" 90° EL
10" BV

6" BSMP

10" CSMP

RR CSX

TREE

10" CSMP

10" CSMP

10" CSMP

TAYLOR ST (R.O.W. 50')

CONCRETE SIDEWALK

GAS
STATION

#102 ARMORY ST

ARM
ST

#118
ARMORY
ST

#487
TAYLOR
ST

KEY MAP
SCALE: N.T.S.

06-20

07-20

No.	Description	Date	Dw/Ck
00	ISSUED FOR CONSTRUCTION	09/09/24	CJV/MEP

Revision/Status

ISSUED FOR
CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
MARK E. PETROSKI
9/9/2024
CIVIL
NO. 54037
REGISTERED PROFESSIONAL ENGINEER

THE DDS COMPANIES

FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

EVERSOURCE
ENERGY

ARMORY ST BRIDGE OVER CSX - MASSDOT, SPRINGFIELD, MA
PROJECT # 24EG096 - WO# 15022881
PROJECT LOCATION PLANS
SCALE: 1"=20' ON 24"X36" SHEET 07 OF 20

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
CSB 09/09/2024	CJV 09/09/2024	MA-SPR-PIP-24-025-07	00

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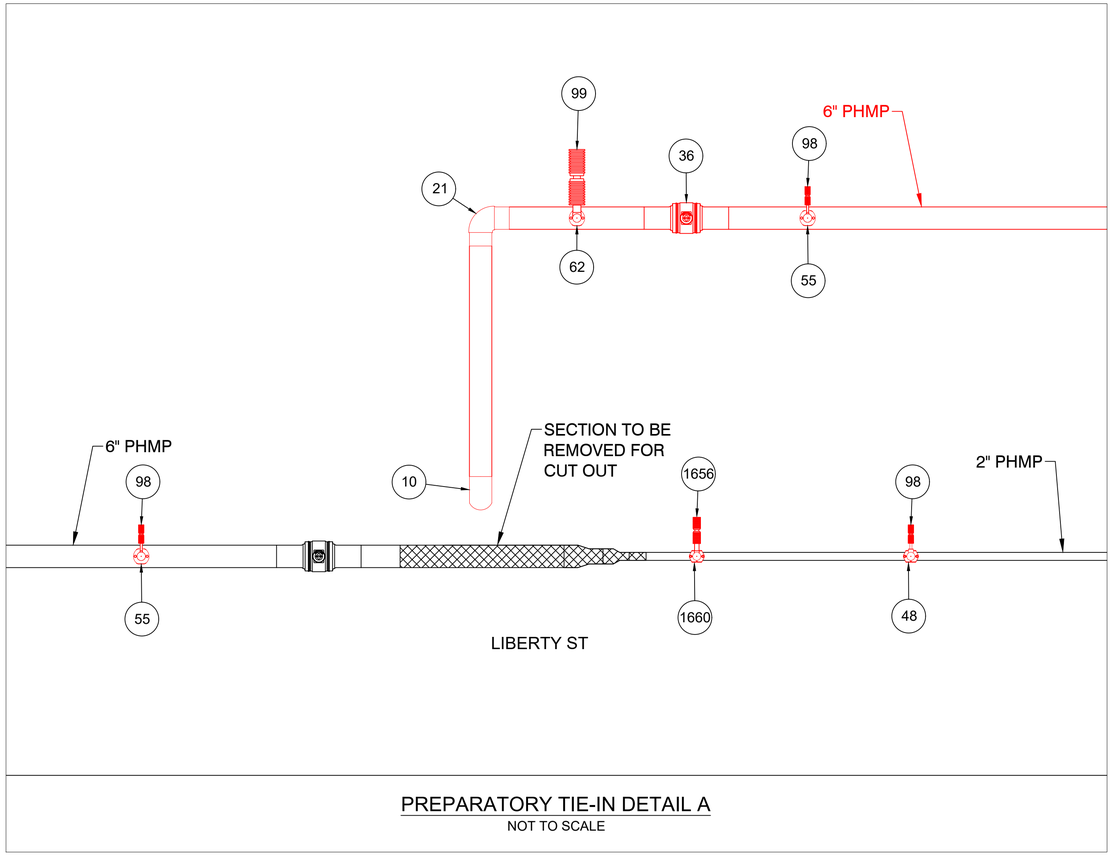
Sep 11, 2024 - 8:29am

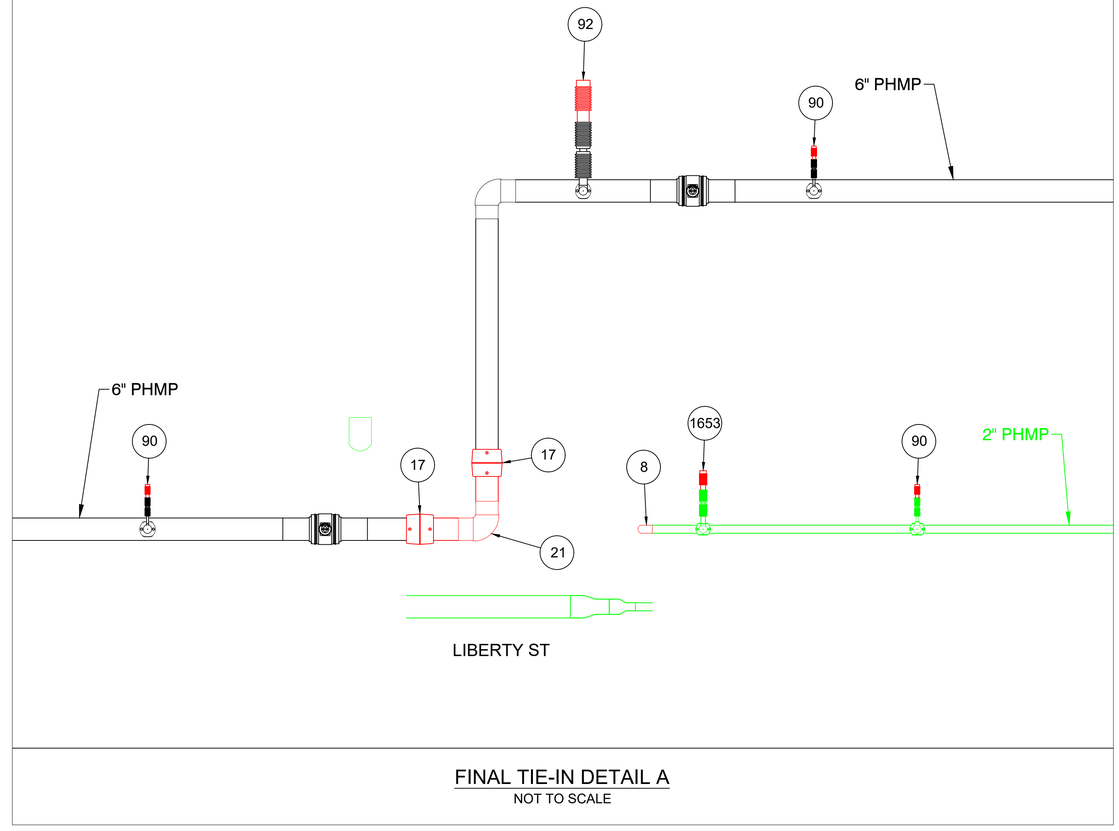
Attachment: Armory St Bridge_IFC Option A_08325 : Eversource Gas - Armory St.)

ARMORY ST, SPRINGFIELD, MA					DETAIL "A" PREPARATORY
REQUIRED BILL OF MATERIALS					
Item Number	MRC Stock Number	Maximo Part Number	Description	Quantity	Units
10	63078054	542539	CAP,PIPE, 6 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	1	EA
1656	MCJUREMA-000	620089	FITTING,COUPLING, PIPE, LYCOFIT, 1 IN IPS SDR11, PLASTIC	1	EA
1660	MCJUREMA-000	602892	FITTING,TEE, 2 IN IPS X 1 IN IPS, ELECTROFUSION, HDPE, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	1	EA
21	63078150	545342	ELBOW,PIPE, 90 DEG, 6 IN SDR 11, BUTT WELD ENDS, POLYETHYLENE, P100	1	EA
36	14281745	562078	VALVE,BALL, 6 IN IPS, POLYETHYLENE, SDR 11, P100, BUTT WELD, W/ FULL PORT OPENING, BLACK FINISH	1	EA
48	63051215	500866	TEE, PIPE, NON-BLOWING, ELECTROFUSION TAPPING TEE 2 IN IPS MAIN X 1 /2 IN CTS 0.090 IN THK WALL STAB OUTLET, HDPE, BLACK	1	EA
55	63051277	500869	TEE,PIPE, NON-BLOWING, 6 X 1/2 IN CTS X 0.090 IN THK WALL SDR 7, ELECTROFUSION X COMPRESSION ENDS, POLYETHYLENE, PE3408	2	EA
62	63051389	500870	FITTING,TEE, 6 IN IPS X 2 IN IPS, ELECTROFUSION HIGH VOLUME TAPPING WITH BUTT FUSION OUTLET, HDPE, ASTM F1055, BLACK, GFCP	1	EA
98	63424035	610764	FITTING,COUPLING, PIPE, LYCOFIT, 1/2 IN CTS X 0.090 IN WALL THK, PLASTIC, CMA 21658100	3	EA
99	63424109	610772	FITTING,COUPLING, REPAIR, LYCOFIT, 2 IN IPS, PLASTIC, SDR 11, CMA 21658101	1	EA



PREPARATORY TIE-IN DETAIL A
NOT TO SCALE

ARMORY ST, SPRINGFIELD, MA					DETAIL "A" FINAL
REQUIRED BILL OF MATERIALS					
Item Number	MRC Stock Number	Maximo Part Number	Description	Quantity	Units
1653	MCJUREMA-000	620808	FITTING,CAP, LYCOFIT, 1 IN IPS SDR 11, PLASTIC, ASTM F1924	1	EA
17	63051039	500856	COUPLING, 6 IN IPS, ELECTROFUSION, HDPE, BLACK, ASTM F1055, GFCP	2	EA
21	63078150	545342	ELBOW,PIPE, 90 DEG, 6 IN SDR 11, BUTT WELD ENDS, POLYETHYLENE, P100	1	EA
8	63078024	542572	CAP,PIPE, 2 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	1	EA
90	63424221	610757	FITTING,CAP, END, LYCOFIT, 1/2 IN CTS X 0.090 IN THK WALL, PLASTIC, CMA 750823	3	EA
92	63424023	610763	FITTING,CAP, END, LYCOFIT, 2 IN IPS, PLASTIC, SDR 11, CMA 750830	1	EA



FINAL TIE-IN DETAIL A
NOT TO SCALE

ISSUED FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
MARK E. PETROSKI
9/9/2024
CIVIL
NO. 54037
REGISTERED PROFESSIONAL ENGINEER

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
00	ISSUED FOR CONSTRUCTION	09/09/24	CJV/MEP

Revision/Status

EVERSOURCE ENERGY

ARMORY ST BRIDGE OVER CSX - MASSDOT, SPRINGFIELD, MA
PROJECT # 24EG096 - WO# 15022881
PREPARATORY AND FINAL TIE-IN DETAILS
SCALE: 1"=20' ON 24"X36" SHEET 08 OF 20

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
CSB 09/09/2024	CJV 09/09/2024	MA-SPR-PIP-24-025-08	00

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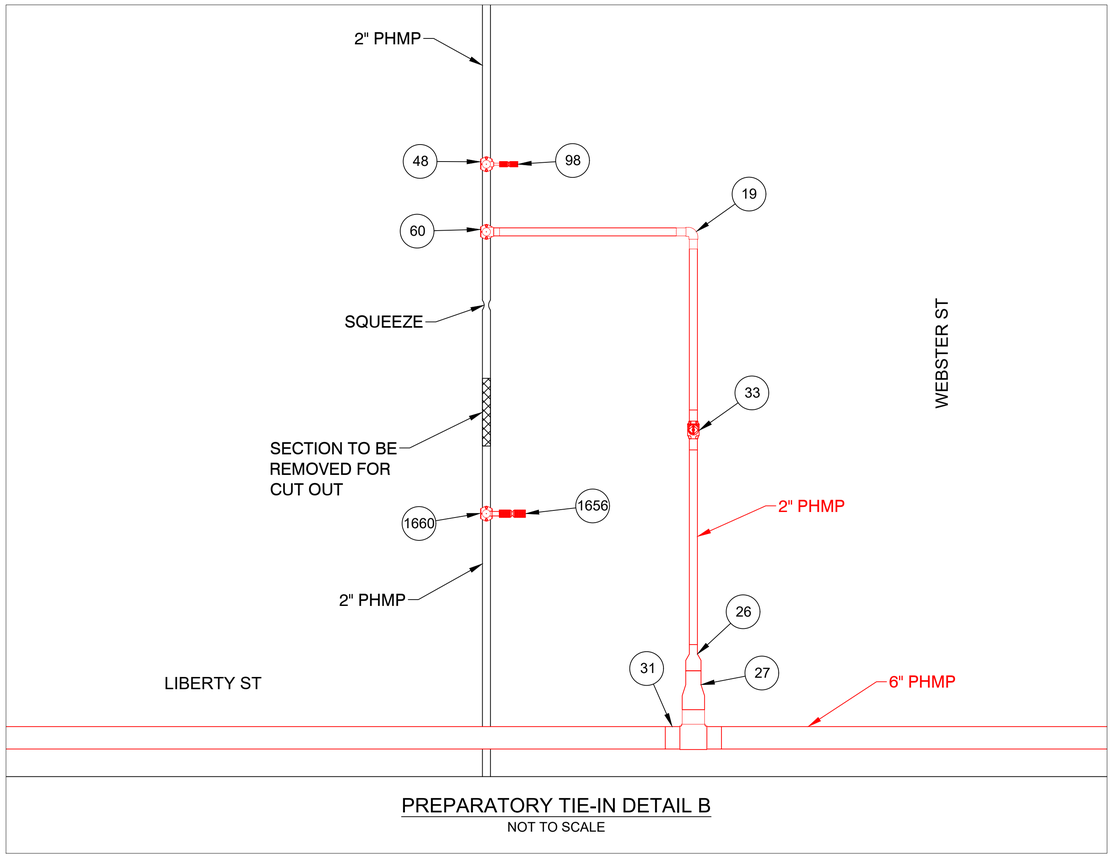
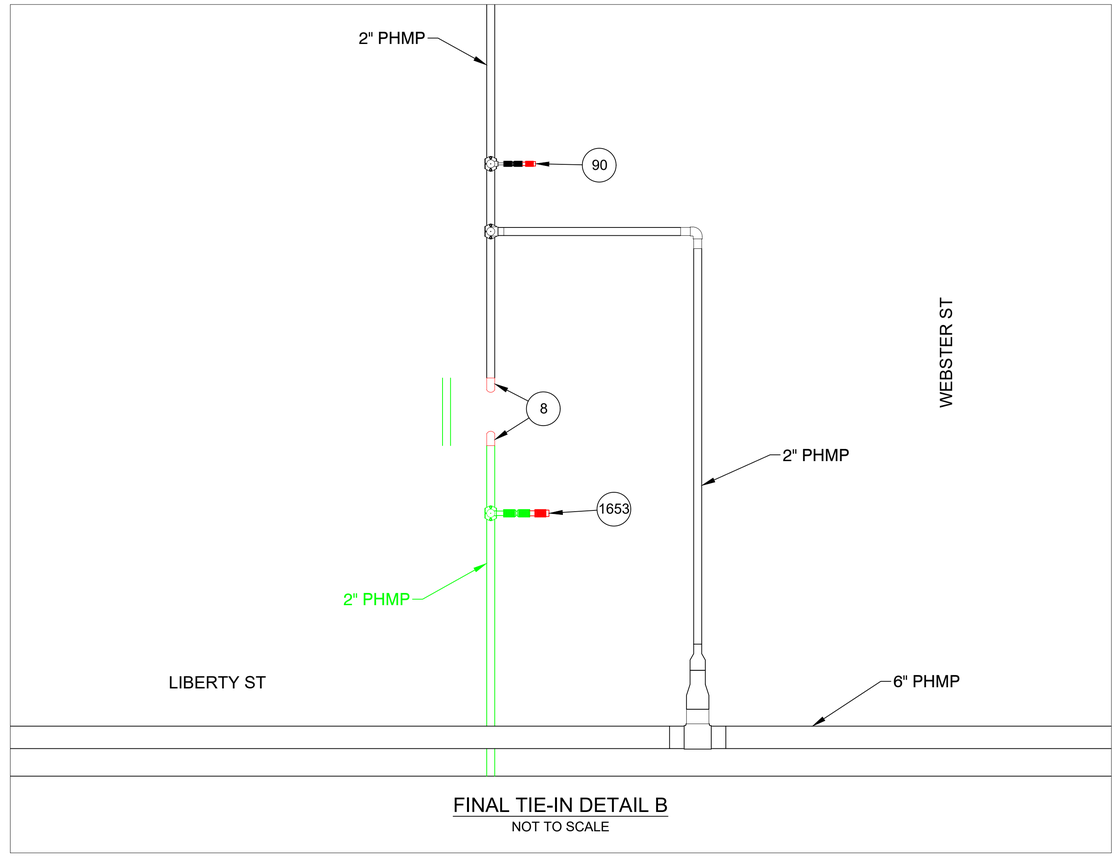
Sep 11, 2024 - 8:29am
Attachment: Armory St Bridge_IFC Option A (8325 : Eversource Gas - Armory St.)

ARMORY ST, SPRINGFIELD, MA					DETAIL "B" PREPARATORY
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1656	MCJUREMA-000	620089	FITTING,COUPLING, PIPE, LYCOFIT, 1 IN IPS SDR11, PLASTIC	1	EA
1660	MCJUREMA-000	602892	FITTING,TEE, 2 IN IPS X 1 IN IPS, ELECTROFUSION, HDPE, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	1	EA
19	63078117	545367	ELBOW,PIPE, 90 DEG, 2 IN SDR 11, BUTT WELD ENDS, POLYETHYLENE, P100	1	EA
26	63078377	555593	REDUCER,PIPE, 4 X 2 IPS, BUTT ENDS, POLYETHYLENE, P100, SDR11	1	EA
27	63078395	555594	REDUCER,PIPE, 6 X 4 IPS, BUTT ENDS, P100, POLYETYLENE, SDR 11	1	EA
31	63078458	560680	TEE,PIPE, 6 IN SDR 11, BUTT ENDS, POLYETHYLENE, P100	1	EA
48	63051215	500866	TEE, PIPE, NON-BLOWING, ELECTROFUSION TAPPING TEE 2 IN IPS MAIN X 1 /2 IN CTS 0.090 IN THK WALL STAB OUTLET, HDPE, BLACK	1	EA
60	63051341	584303	FITTING,TEE, 2 IN IPS X 2 IN IPS, HDPE, ELECTROFUSION HIGH VOLUME TAPPING TEE WITH BUTT FUSION OUTLET, HDPE, ASTM F1055, BLACK, GFCP	1	EA
98	63424035	610764	FITTING,COUPLING, PIPE, LYCOFIT, 1/2 IN CTS X 0.090 IN WALL THK, PLASTIC, CMA 21658100	1	EA
33	14281726	562087	VALVE,BALL, 2 IN IPS, POLYETHYLENE, SDR 11, BUTT WELD, W/ FULL PORT OPENING	1	EA



PREPARATORY TIE-IN DETAIL B
NOT TO SCALE

ARMORY ST, SPRINGFIELD, MA					DETAIL "B" FINAL
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
1653	MCJUREMA-000	620808	FITTING,CAP, LYCOFIT, 1 IN IPS SDR 11, PLASTIC, ASTM F1924	1	EA
244	63481691	578184	FITTING,COUPLING, VENTED, INSULATED, 4 IN, FOR STEEL PIPE	2	EA
90	63424221	610757	FITTING,CAP, END, LYCOFIT, 1/2 IN CTS X 0.090 IN THK WALL, PLASTIC, CMA 750823	1	EA



FINAL TIE-IN DETAIL B
NOT TO SCALE

ISSUED FOR CONSTRUCTION

MARK E. PETROSKI 9/9/2024 CIVIL NO. 54037 REGISTERED PROFESSIONAL ENGINEER COMMONWEALTH OF MASSACHUSETTS

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
00	ISSUED FOR CONSTRUCTION	09/09/24	CJV/MEP

Revision/Status

EVERSOURCE ENERGY

ARMORY ST BRIDGE OVER CSX - MASSDOT, SPRINGFIELD, MA
PROJECT # 24EG096 - WO# 15022881
PREPARATORY AND FINAL TIE-IN DETAILS
SCALE:1"=20' ON 24"X36" SHEET 09 OF 20

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
CSB 09/09/2024	CJV 09/09/2024	MA-SPR-PIP-24-025-09	00

Attachment: Armory St Bridge_IFC Option A (8325 : Eversource Gas - Armory St.)

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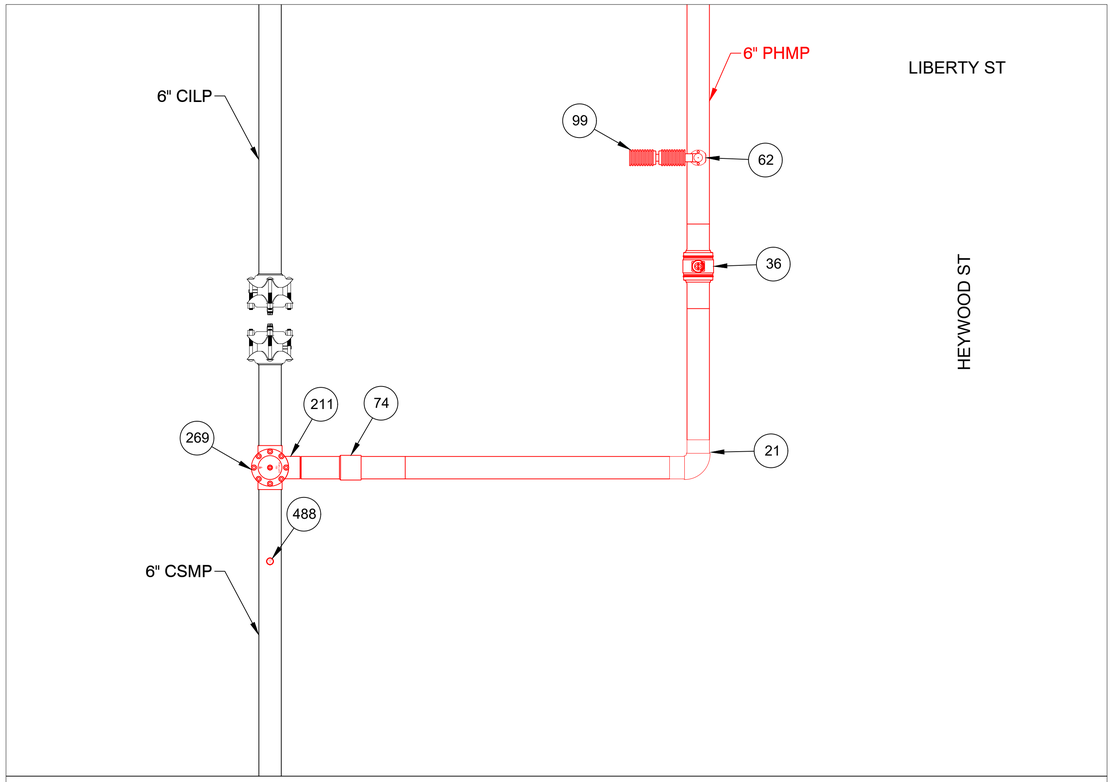
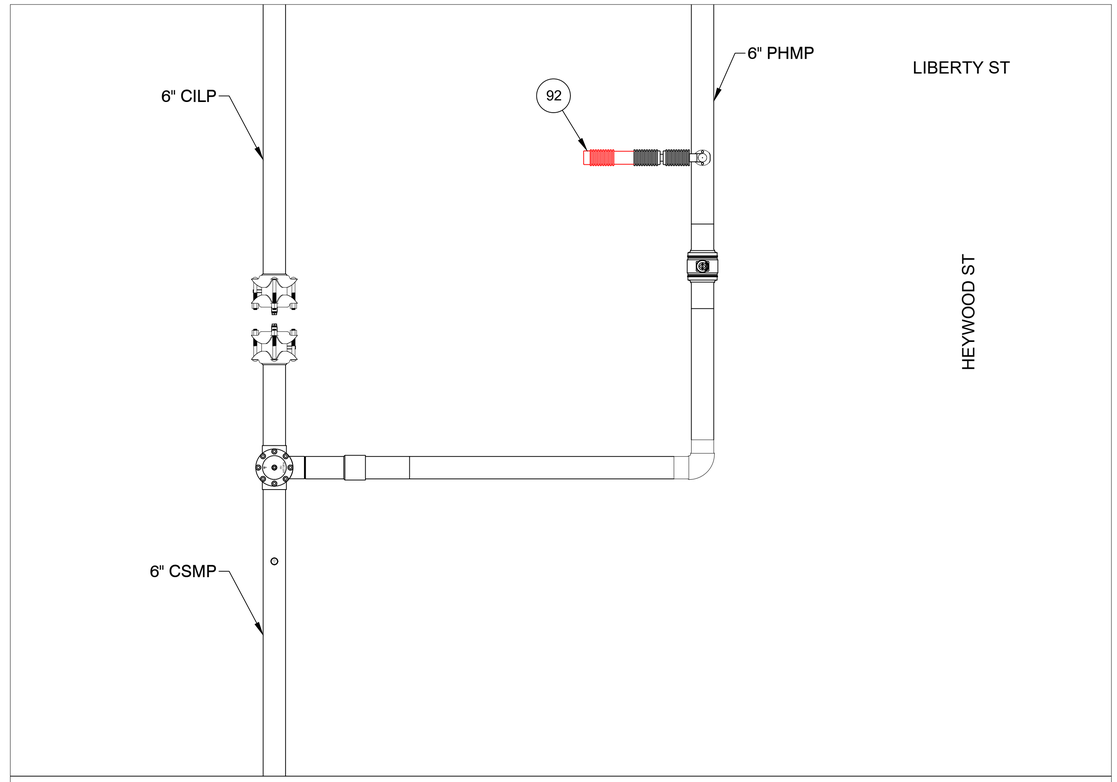
Sep 11, 2024 - 8:29am

ARMORY ST, SPRINGFIELD, MA				DETAIL "C" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
21	63078150	545342	ELBOW,PIPE, 90 DEG, 6 IN SDR 11, BUTT WELD ENDS, POLYETHYLENE, P100	1	EA
211	16000159	545359	ELBOW,PIPE, 90 DEG, 6 IN X 0.280 IN THK WALL, BUTT WELD ENDS, CS, ASTM A234 GR B, ANSI B16.9 , LONG RADIUS	1	EA
269	63550305	546242	FITTING,LINE STOPPER, BOTTOM OPENING, 6 IN , WELDED ENDS, W/ 150 LB FLANGE, FOR BEVELED 6.625 IN OD THIN WALL STEEL PIPE	1	EA
36	14281745	562078	VALVE,BALL, 6 IN IPS, POLYETHYLENE, SDR 11, P100, BUTT WELD, W/ FULL PORT OPENING, BLACK FINISH	1	EA
488	63420117	610264	NIPPLE,PIPE, NON-BLOWING, DRILL, 1-1/4 IN X 3 IN, WELDED, 1440 PSIG, CMA 2485855	1	EA
62	63051389	500870	FITTING,TEE, 6 IN IPS X 2 IN IPS, ELECTROFUSION HIGH VOLUME TAPPING WITH BUTT FUSION OUTLET, HDPE, ASTM F1055, BLACK, GFCP	1	EA
74	63151164	546254	FITTING,TRANSITION, 6 IN IPS CS X 6 IN IPS PE4710, SDR 11, STEEL WELD X PLASITC BUTT END	1	EA
99	63424109	610772	FITTING,COUPLING, REPAIR, LYCOFIT, 2 IN IPS, PLASTIC, SDR 11, CMA 21658101	1	EA



PREPARATORY TIE-IN DETAIL C
NOT TO SCALE

ARMORY ST, SPRINGFIELD, MA				DETAIL "C" FINAL	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
92	63424023	610763	FITTING,CAP, END, LYCOFIT, 2 IN IPS, PLASTIC, SDR 11, CMA 750830	1	EA



FINAL TIE-IN DETAIL C
NOT TO SCALE

ISSUED FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
MARK E. PETROSKI
9/9/2024
CIVIL
NO. 54037
REGISTERED PROFESSIONAL ENGINEER

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
00	ISSUED FOR CONSTRUCTION	09/09/24	CJV/MEP

Revision/Status

EVERSOURCE ENERGY

ARMORY ST BRIDGE OVER CSX - MASSDOT, SPRINGFIELD, MA
PROJECT # 24EG096 - WO# 15022881
PREPARATORY AND FINAL TIE-IN DETAILS
SCALE: 1"=20' ON 24"X36" SHEET 10 OF 20

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
CSB 09/09/2024	CJV 09/09/2024	MA-SPR-PIP-24-025-10	00

Attachment: Armory St Bridge_IFC Option A (8325 : Eversource Gas - Armory St.)

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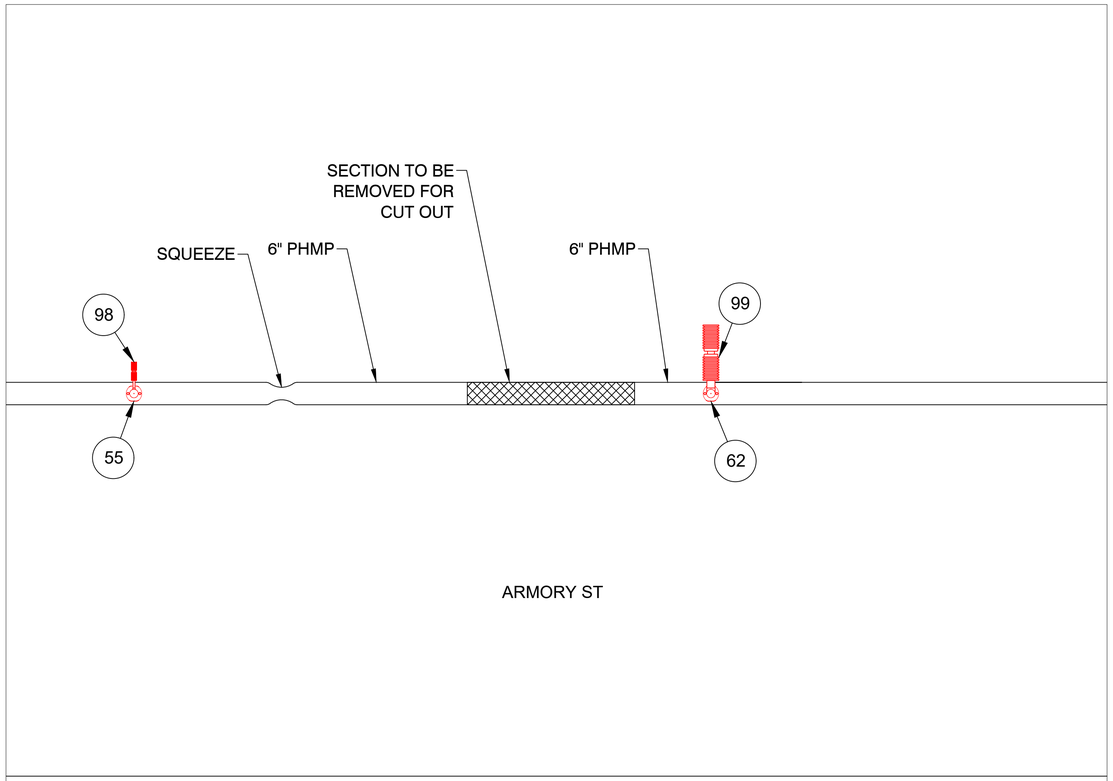
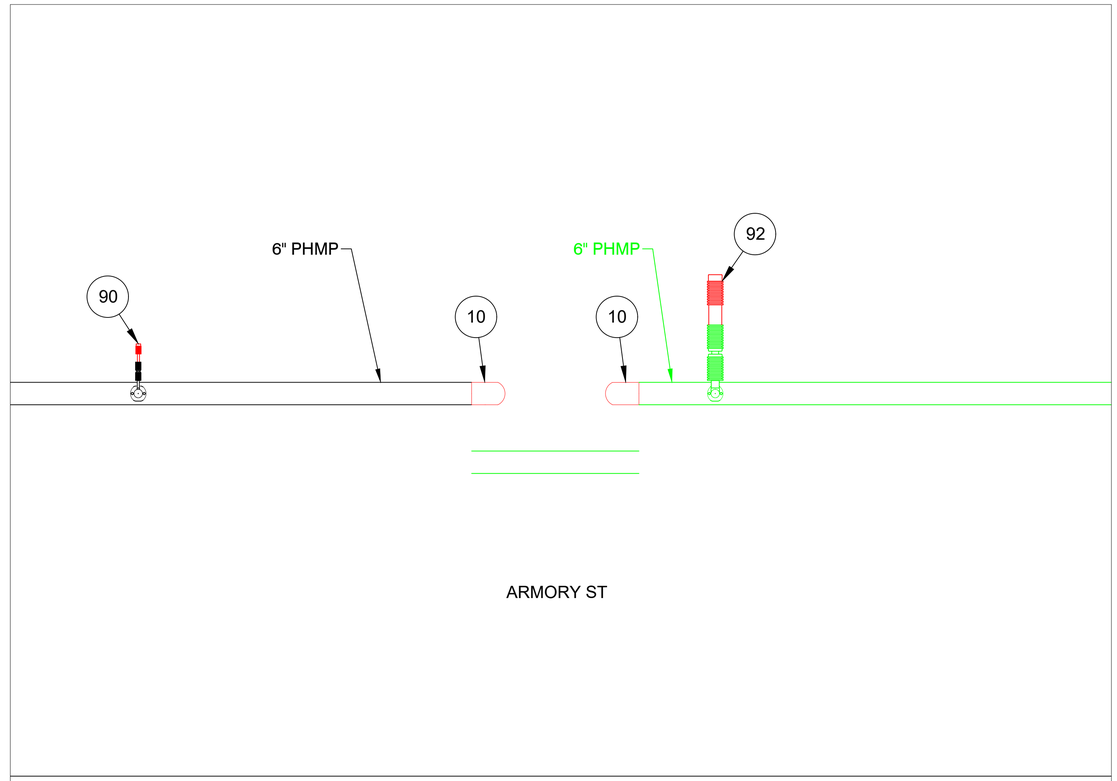
ARMORY ST, SPRINGFIELD, MA					DETAIL "D" PREPARATORY
REQUIRED BILL OF MATERIALS					
Item Number	MRC Stock Number	Maximo Part Number	Description	Quantity	Units
55	63051277	500869	TEE,PIPE, NON-BLOWING, 6 X 1/2 IN CTS X 0.090 IN THK WALL SDR 7, ELECTROFUSION X COMPRESSION ENDS, POLYETHYLENE, PE3408	1	EA
62	63051389	500870	FITTING,TEE, 6 IN IPS X 2 IN IPS, ELECTROFUSION HIGH VOLUME TAPPING WITH BUTT FUSION OUTLET, HDPE, ASTM F1055, BLACK, GFCP	1	EA
98	63424035	610764	FITTING,COUPLING, PIPE, LYCOFIT, 1/2 IN CTS X 0.090 IN WALL THK, PLASTIC, CMA 21658100	1	EA
99	63424109	610772	FITTING,COUPLING, REPAIR, LYCOFIT, 2 IN IPS, PLASTIC, SDR 11, CMA 21658101	1	EA



PREPARATORY TIE-IN DETAIL D
NOT TO SCALE

ARMORY ST, SPRINGFIELD, MA					DETAIL "D" FINAL
REQUIRED BILL OF MATERIALS					
Item Number	MRC Stock Number	Maximo Part Number	Description	Quantity	Units
10	63078054	542539	CAP,PIPE, 6 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	2	EA
90	63424221	610757	FITTING,CAP, END, LYCOFIT, 1/2 IN CTS X 0.090 IN THK WALL, PLASTIC, CMA 750823	1	EA
92	63424023	610763	FITTING,CAP, END, LYCOFIT, 2 IN IPS, PLASTIC, SDR 11, CMA 750830	1	EA



FINAL TIE-IN DETAIL D
NOT TO SCALE

ISSUED FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
MARK E. PETROSKI
9/9/2024
CIVIL
NO. 54037
REGISTERED PROFESSIONAL ENGINEER

THE DDS COMPANIES

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
00	ISSUED FOR CONSTRUCTION	09/09/24	CJV/MEP

Revision/Status

EVERSOURCE ENERGY

ARMORY ST BRIDGE OVER CSX - MASSDOT, SPRINGFIELD, MA
PROJECT # 24EG096 - WO# 15022881
PREPARATORY AND FINAL TIE-IN DETAILS
SCALE: 1"=20' ON 24"X36" SHEET 11 OF 20

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
CSB 09/09/2024	CJV 09/09/2024	MA-SPR-PIP-24-025-11	00

Attachment: Armory St Bridge_IFC Option A (8325 : Eversource Gas - Armory St.)

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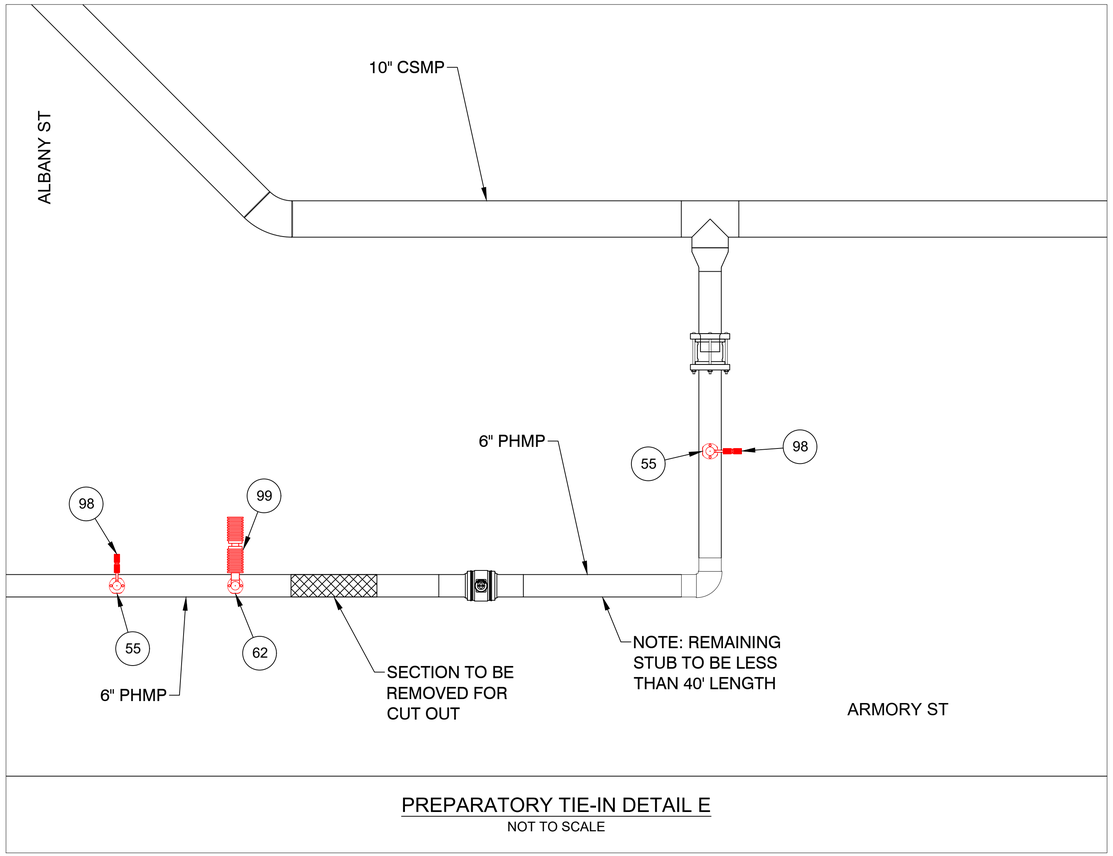
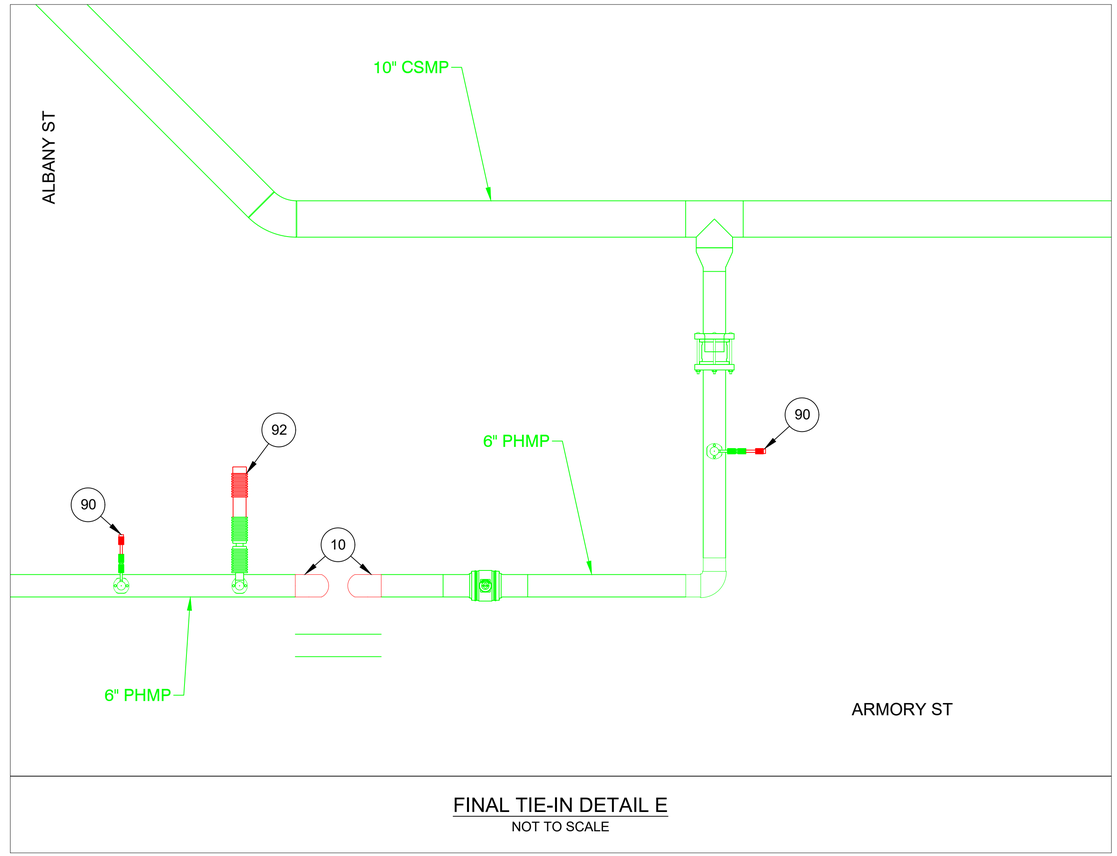
Sep 11, 2024 - 8:29am

ARMORY ST, SPRINGFIELD, MA				DETAIL "E" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
55	63051277	500869	TEE,PIPE, NON-BLOWING, 6 X 1/2 IN CTS X 0.090 IN THK WALL SDR 7, ELECTROFUSION X COMPRESSION ENDS, POLYETHYLENE, PE3408	2	EA
62	63051389	500870	FITTING,TEE, 6 IN IPS X 2 IN IPS, ELECTROFUSION HIGH VOLUME TAPPING WITH BUTT FUSION OUTLET, HDPE, ASTM F1055, BLACK, GFCP	1	EA
98	63424035	610764	FITTING,COUPLING, PIPE, LYCOFIT, 1/2 IN CTS X 0.090 IN WALL THK, PLASTIC, CMA 21658100	2	EA
99	63424109	610772	FITTING,COUPLING, REPAIR, LYCOFIT, 2 IN IPS, PLASTIC, SDR 11, CMA 21658101	1	EA



PREPARATORY TIE-IN DETAIL E
NOT TO SCALE

ARMORY ST, SPRINGFIELD, MA				DETAIL "E" FINAL	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
10	63078054	542539	CAP,PIPE, 6 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	2	EA
90	63424221	610757	FITTING,CAP, END, LYCOFIT, 1/2 IN CTS X 0.090 IN THK WALL, PLASTIC, CMA 750823	2	EA
92	63424023	610763	FITTING,CAP, END, LYCOFIT, 2 IN IPS, PLASTIC, SDR 11, CMA 750830	1	EA



FINAL TIE-IN DETAIL E
NOT TO SCALE

ISSUED FOR CONSTRUCTION

MARK E. PETROSKI 9/9/2024 CIVIL NO. 54037 REGISTERED PROFESSIONAL ENGINEER COMMONWEALTH OF MASSACHUSETTS

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
00	ISSUED FOR CONSTRUCTION	09/09/24	CJV/MEP

Revision/Status

EVERSOURCE ENERGY

ARMORY ST BRIDGE OVER CSX - MASSDOT, SPRINGFIELD, MA

PROJECT # 24EG096 - WO# 15022881

PREPARATORY AND FINAL TIE-IN DETAILS

SCALE: 1"=20' ON 24"X36" SHEET 12 OF 20

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
CSB 09/09/2024	CJV 09/09/2024	MA-SPR-PIP-24-025-12	00

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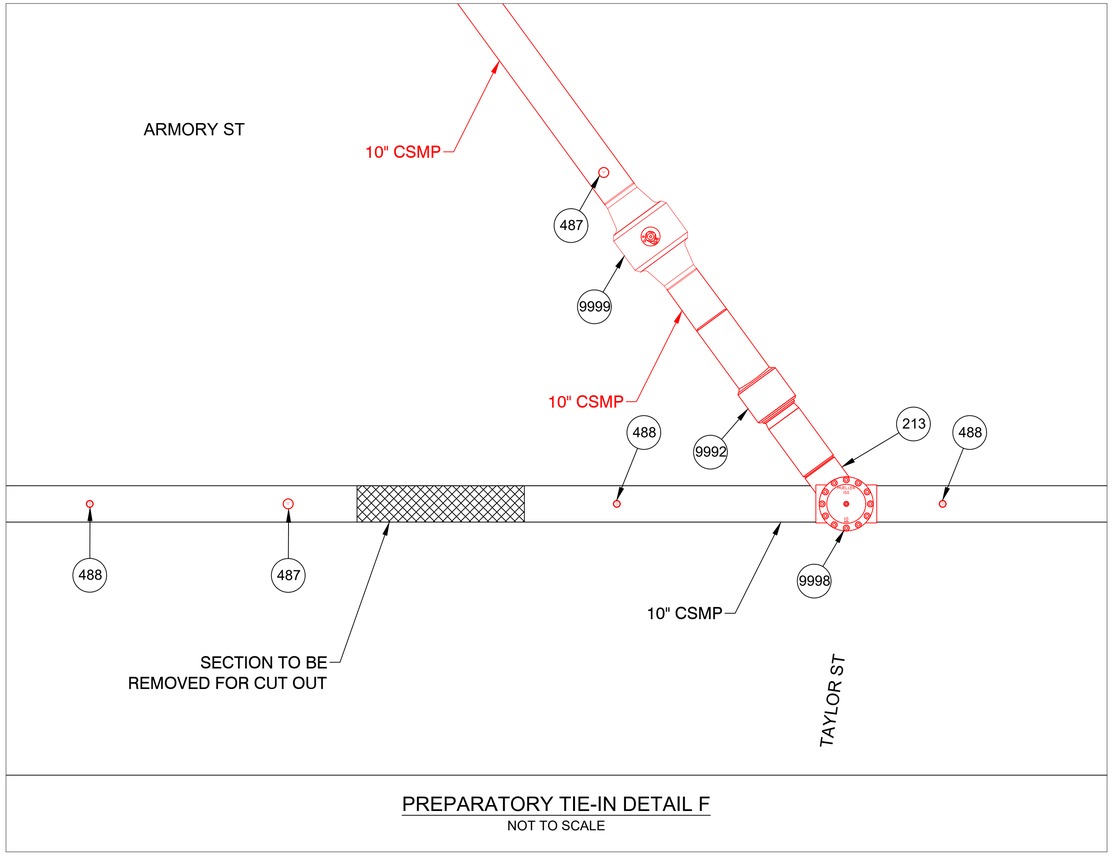
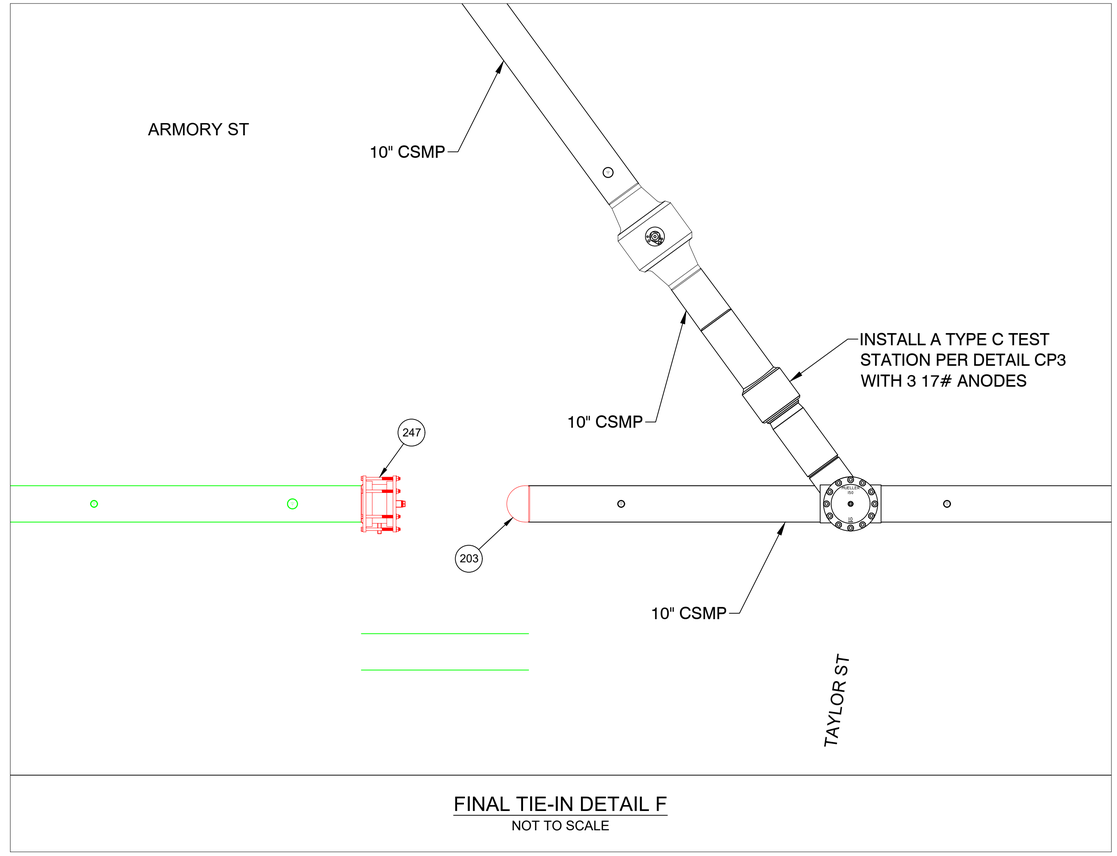
Sep 11, 2024 - 8:29am
Attachment: Armory St Bridge_IFC Option A (8325 : Eversource Gas - Armory St.)

ARMORY ST, SPRINGFIELD, MA					DETAIL "F" PREPARATORY
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
213	16000175	583884	FITTING,ELBOW, 90 DEG, 10 IN X 0.365 IN THK WALL, WELDED ENDS, SCH 40, STEEL, LONG RADIUS, NSTAR M-137	1	EA
487	63420107	551879	NIPPLE,PIPE, NON-BLOWING, 2 IN, 3 IN LG, SOCKET WELD X THREADED ENDS, CS	2	EA
488	63420117	610264	NIPPLE,PIPE, NON-BLOWING, DRILL, 1-1/4 IN X 3 IN, WELDED, 1440 PSIG, CMA 2485855	3	EA
9992	-	SPECIAL ORDER	WELD, INSULATOR, 12 IN, STEEL	1	EA
9998	-	SPECIAL ORDER	VALVE, BALL, 10 IN, STEEL, WELD X WELD	1	EA
9999	-	SPECIAL ORDER	VALVE, BALL, 10 IN, STEEL, WELD X WELD	1	EA



PREPARATORY TIE-IN DETAIL F
NOT TO SCALE

ARMORY ST, SPRINGFIELD, MA					DETAIL "F" FINAL
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
203	16080870	542628	CAP,PIPE, END, 10 IN, STD WALL, ASTM A234 GR B	1	EA
247	63481703	578180	FITTING,CAP, MAXI-GRIP EZ SERIES, CONDUCTIVE, NON-INSULATING, 10 IN IPS, 10.75 IN OD, GRAY FBE, W/ END CAP, 1 VENT, FOR STEEL PIPE	1	EA



FINAL TIE-IN DETAIL F
NOT TO SCALE

ISSUED FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
MARK E. PETROSKI
9/9/2024
CIVIL
NO. 54037
REGISTERED PROFESSIONAL ENGINEER

THE DDS COMPANIES

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
00	ISSUED FOR CONSTRUCTION	09/09/24	CJV/MEP

Revision/Status

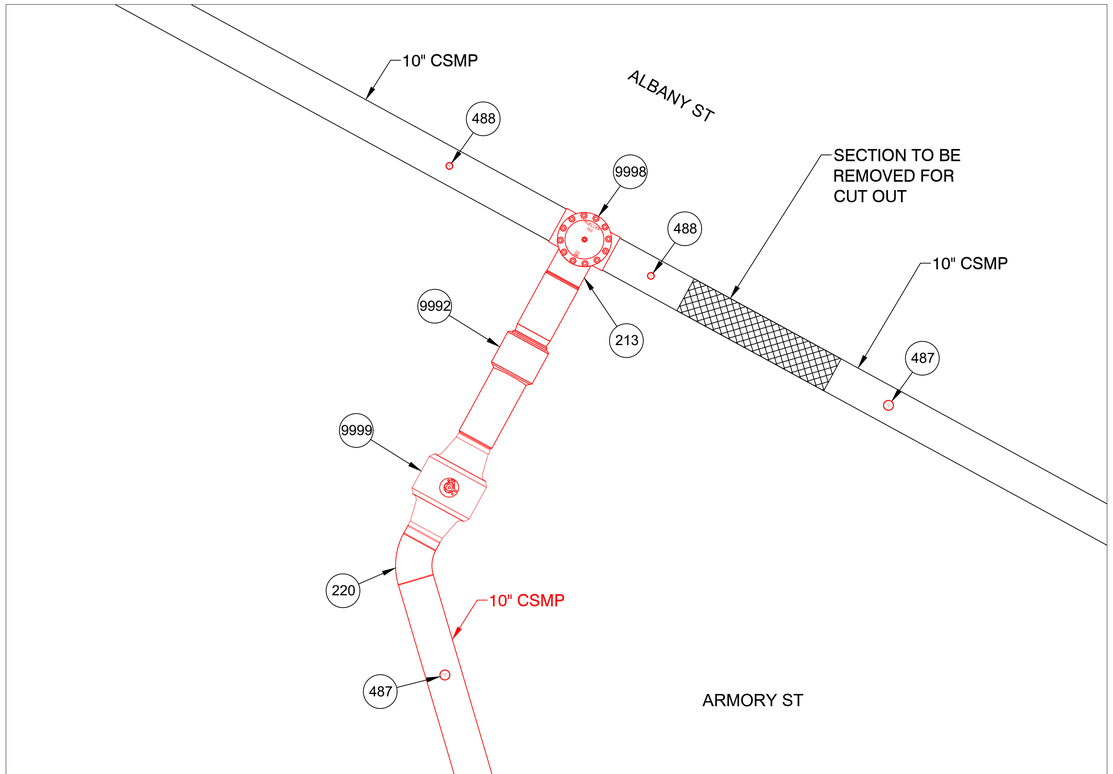
EVERSOURCE ENERGY

ARMORY ST BRIDGE OVER CSX - MASSDOT, SPRINGFIELD, MA
PROJECT # 24EG096 - WO# 15022881
PREPARATORY AND FINAL TIE-IN DETAILS
SCALE: 1"=20' ON 24"X36" SHEET 13 OF 20

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
CSB 09/09/2024	CJV 09/09/2024	MA-SPR-PIP-24-025-13	00

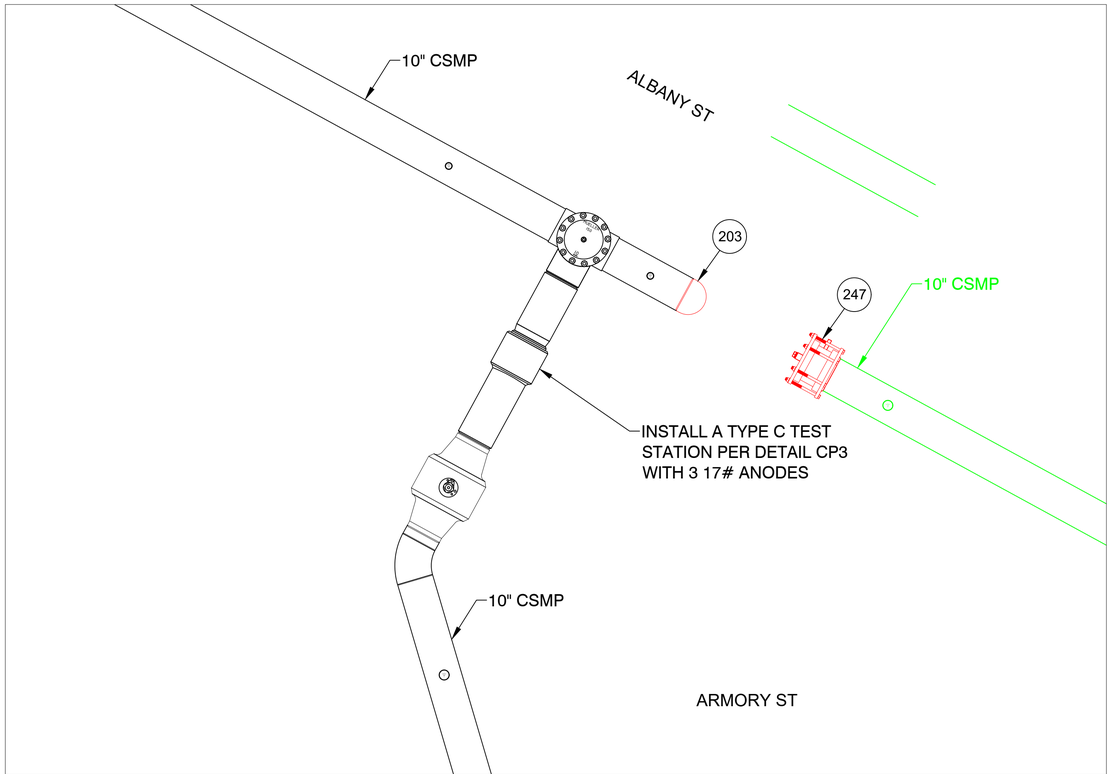
S:\Projects\71 Energy\2023\71230342 - Eversource - Armory St Bridge\DWG\BASE\MA-SPR-PIP-24-025-13 - Eversource - Armory St Bridge_09042024.dwg
Sep 11, 2024 - 8:29am
Attachment: Armory St Bridge_IFC Option A (8325 : Eversource Gas - Armory St.)

ARMORY ST, SPRINGFIELD, MA					DETAIL "G" PREPARATORY
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
213	16000175	583884	FITTING,ELBOW, 90 DEG, 10 IN X 0.365 IN THK WALL, WELDED ENDS, SCH 40, STEEL, LONG RADIUS, NSTAR M-137	1	EA
220	16010162	583885	FITTING,ELBOW, 45 DEG, 10 IN IPS X 0.365 IN THK WALL, WELDED ENDS, SCH 40, STEEL, NSTAR M-137	1	EA
487	63420107	551879	NIPPLE,PIPE, NON-BLOWING, 2 IN, 3 IN LG, SOCKET WELD X THREADED ENDS, CS	2	EA
488	63420117	610264	NIPPLE,PIPE, NON-BLOWING, DRILL, 1-1/4 IN X 3 IN, WELDED, 1440 PSIG, CMA 2485855	2	EA
9992	-	SPECIAL ORDER	WELD, INSULATOR, 12 IN, STEEL	1	EA
9998	-	SPECIAL ORDER	VALVE, BALL, 10 IN, STEEL, WELD X WELD	1	EA
9999	-	SPECIAL ORDER	VALVE, BALL, 10 IN, STEEL, WELD X WELD	1	EA



PREPARATORY TIE-IN DETAIL G
NOT TO SCALE

ARMORY ST, SPRINGFIELD, MA					DETAIL "G" FINAL
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
203	16080870	542628	CAP,PIPE, END, 10 IN, STD WALL, ASTM A234 GR B	1	EA
247	63481703	578180	FITTING,CAP, MAXI-GRIP EZ SERIES, CONDUCTIVE, NON-INSULATING, 10 IN IPS, 10.75 IN OD, GRAY FBE, W/ END CAP, 1 VENT, FOR STEEL PIPE	1	EA



FINAL TIE-IN DETAIL G
NOT TO SCALE

ISSUED FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
MARK E. PETROSKI
9/9/2024
CIVIL
NO. 54037
REGISTERED PROFESSIONAL ENGINEER

THE DDS COMPANIES

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
00	ISSUED FOR CONSTRUCTION	09/09/24	CJV/MEP

Revision/Status

EVERSOURCE ENERGY

ARMORY ST BRIDGE OVER CSX - MASSDOT, SPRINGFIELD, MA
PROJECT # 24EG096 - WO# 15022881
PREPARATORY AND FINAL TIE-IN DETAILS
SCALE: 1"=20' ON 24"X36" SHEET 14 OF 20

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
CSB 09/09/2024	CJV 09/09/2024	MA-SPR-PIP-24-025-14	00

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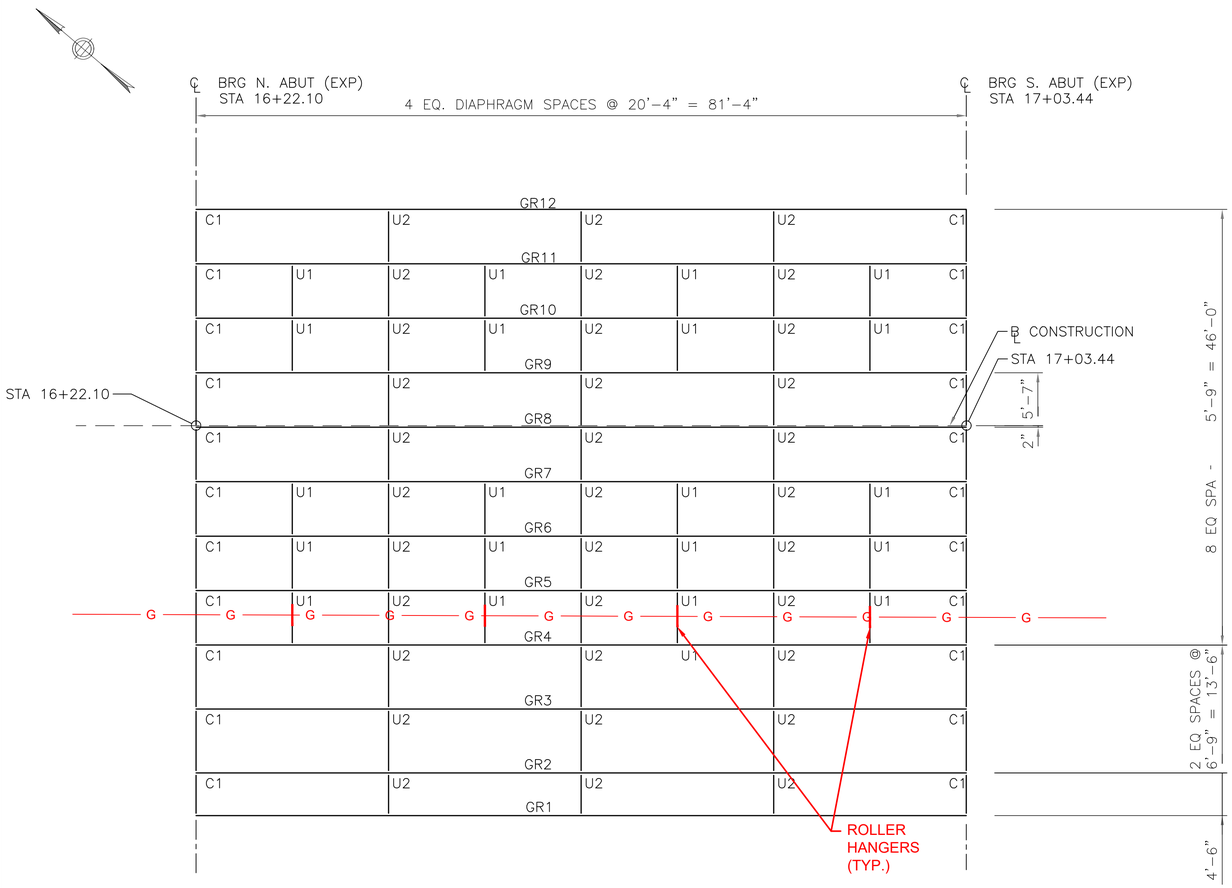
Sep 11, 2024 - 8:29am
Attachment: Armory St Bridge_IFC Option A (8325 : Eversource Gas - Armory St.)



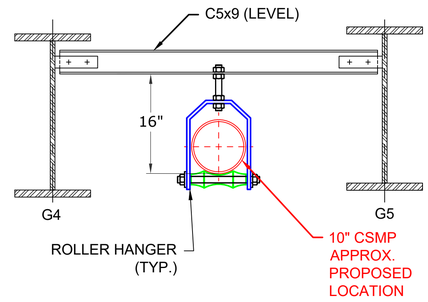
S-24-026 PROPOSED FRAMING PLAN (BY OTHERS)

SCALE: 1/8" = 1'-0"

NOTES:

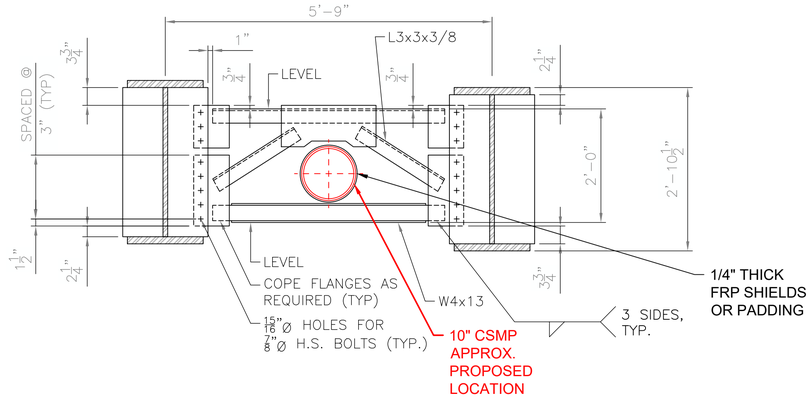
1. C1 = END DIAPHRAGM (TYP.)
   U1 = UTILITY SUPPORT BETWEEN DIAPHRAGMS (TYP.)
   U2 = INTERMEDIATE DIAPHRAGMS & UTILITY SUPPORTS (TYP.)

2. U1 AND U2 SUPPORT DESIGN BY TETRATECH INC.



S-24-026 UTILITY SUPPORT FRAME DETAIL U1 (BY OTHERS)

SCALE: N.T.S.



S-24-026 UTILITY SUPPORT FRAME DETAIL U2 (BY OTHERS)

SCALE: N.T.S.

No.	Description	Date	Dw/Ck
00	ISSUED FOR CONSTRUCTION	09/09/24	CJV/MEP

Revision/Status

ISSUED FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
MARK E. PETROSKI
9/9/2024
CIVIL
NO. 54037
REGISTERED PROFESSIONAL ENGINEER

THE DDS COMPANIES

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

EVERSOURCE ENERGY

ARMORY ST BRIDGE OVER CSX - MASSDOT, SPRINGFIELD, MA

PROJECT # 24EG096 - WO# 15022881

BRIDGE DETAILS

SCALE: N.T.S. SHEET 15 OF 20

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
CSB 09/09/2024	CJV 09/09/2024	MA-SPR-PIP-24-025-15	00

Attachment: Armory St Bridge_IFC Option A (8325 : Eversource Gas - Armory St.)

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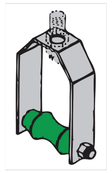
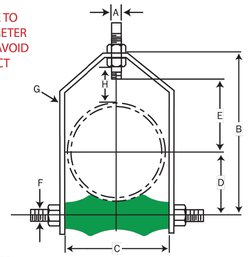
ADJUSTABLE ROLLER HANGER

4B



COMMON PRACTICE TO MOVE UP ONE DIAMETER YOKE & ROLLER TO AVOID SIZING AND CONTACT PROBLEMS



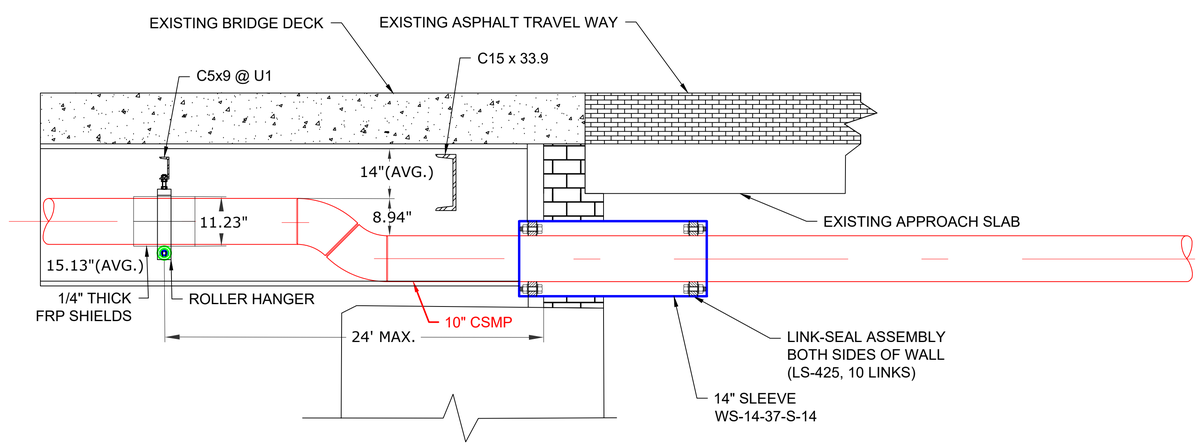
ADJUSTABLE ROLL HANGER INCLUDES:
1 STEEL CLEVIS (YOKE)
1 ROLL AXLE & NUTS
1 CAST IRON ROLL (OMIT WHEN ORDERING NON-CONDUCTIVE ROLLER)
SPECIFICATIONS MAY VARY - All Dimensions in inches

Pipe Size	Rod Size **A**	**B**	**C**	**D**	Rod Take Out **E**	Axle **F**	Steel Size **G**	Adjust. **H**	Max. Load lbs.	Wt. lbs/ea.
2	1/2	4 1/4	2 3/4	1 5/8	2 5/8	3/8	3/16 X 1 1/4	1 7/16	225	1.6
3	1/2	6 3/8	3 7/8	2 1/4	3 1/8	1/2	3/16 X 1 1/4	1 5/8	310	2.2
4	5/8	7 9/16	4 15/16	2 13/16	3 5/8	1/2	1/4 X 1 1/2	1 5/8	475	3.2
5	5/8	9 1/8	6	3 7/16	4 1/2	1/2 *5/8	3/8 X 1 3/4	1 15/16	685	6.3
6	3/4	10 5/16	7 1/8	4	5	3/4	3/8 X 2	1 7/8	780	9.3
8	7/8	12 11/16	9 1/4	5 1/8	6 1/8	7/8	3/8 X 2 1/2	2	780	14.5
10	7/8	15 1/16	11 1/4	6 3/8	7 1/4	7/8	3/8 X 2 1/2	2 1/16	965	18.8
12	7/8	17 7/16	13 1/4	7 7/16	8 3/8	7/8	1/2 X 2 1/2	2 1/4	1200	27.7
14	1	18 7/8	14 1/2	8 3/8	8 3/4	1 1/8	1/2 X 2 1/2	2	1200	39.1
16	1	20 13/16	16 1/2	9 3/8	9 11/16	1 1/4	1/2 X 2 1/2	1 15/16	1200	49.1
18	1	23 3/4	18 1/2	10 7/16	11 7/16	1 1/4	1/2 X 3	2 13/16	1400	57.8
20	1 1/4	26	20 1/2	11 5/8	12 1/4	1 1/4	5/8 X 3	2 1/2	1600	75.9

*Standard Stock ALWAYS CHECK COATED PIPE OD AGAINST YOKE ID.

LB&A, INC
LINN BROWN & ASSOCIATES
A UTILITY SERVICE COMPANY

HWARH4B • 10/18/17



ABUTMENT PENETRATION DETAIL

SCALE: NTS

ISSUED FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
MARK E. PETROSKI
9/9/2024
CIVIL
NO. 54037
REGISTERED PROFESSIONAL ENGINEER

THE DDS COMPANIES

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
00	ISSUED FOR CONSTRUCTION	09/09/24	CJV/MEP

Revision/Status

EVERSOURCE ENERGY

ARMORY ST BRIDGE OVER CSX - MASSDOT, SPRINGFIELD, MA
PROJECT # 24EG096 - WO# 15022881
BRIDGE DETAILS

SCALE: N.T.S. SHEET 16 OF 20

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
CSB 09/09/2024	CJV 09/09/2024	MA-SPR-PIP-24-025-16	00

Attachment: Armory St Bridge_IFC Option A (8325 : Eversource Gas - Armory St.)

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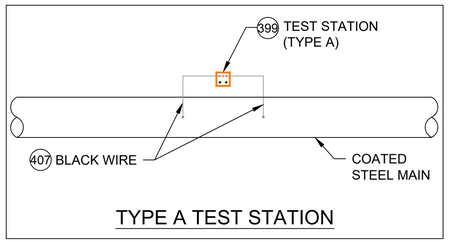
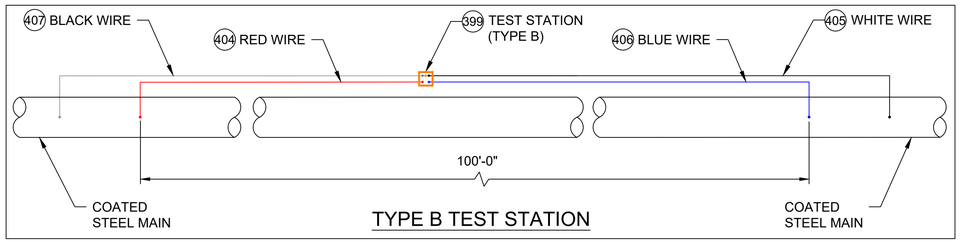
Sep 11, 2024 - 8:29am



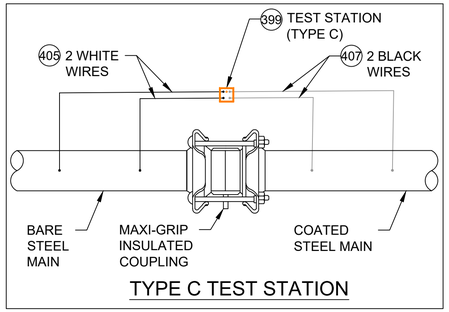
TYPE A TEST STATION

DETAIL CP1
SCALE: 1/2" = 1'-0"



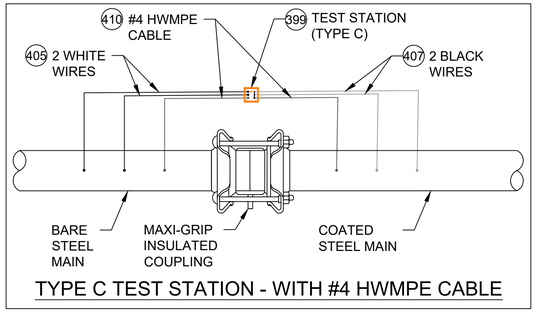
TYPE B TEST STATION

DETAIL CP2
SCALE: 1/2" = 1'-0"



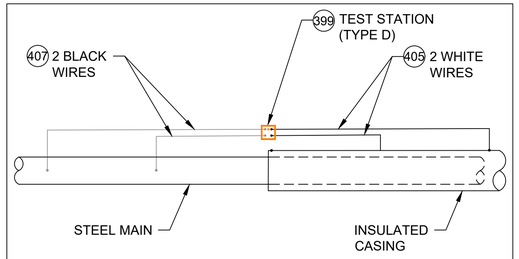
TYPE C TEST STATION

DETAIL CP3
SCALE: 1/2" = 1'-0"



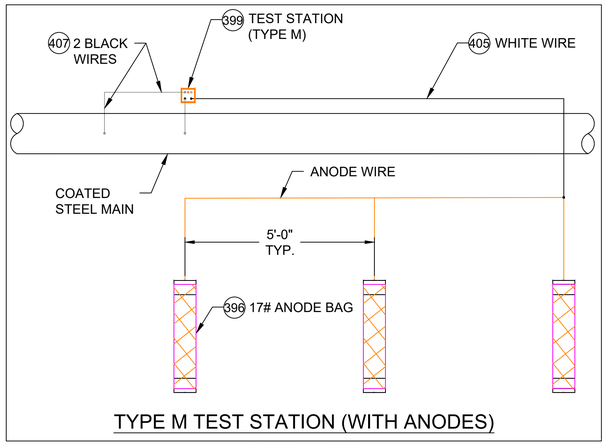
TYPE C TEST STATION - WITH #4 HWMPE CABLE

DETAIL CP4
SCALE: 1/2" = 1'-0"



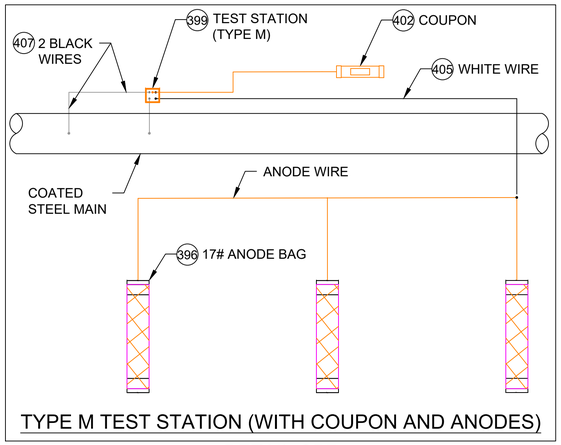
TYPE D TEST STATION (INSULATED CASING)

DETAIL CP5
SCALE: 1/2" = 1'-0"



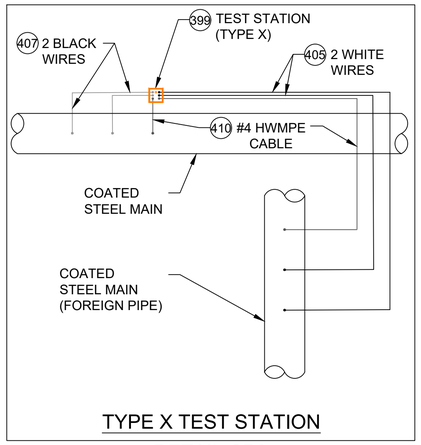
TYPE M TEST STATION (WITH ANODES)

DETAIL CP6
SCALE: 1/2" = 1'-0"



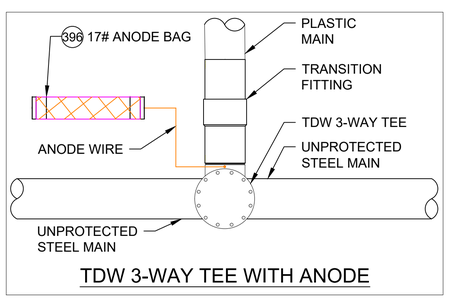
TYPE M TEST STATION (WITH COUPON AND ANODES)

DETAIL CP7
SCALE: 1/2" = 1'-0"



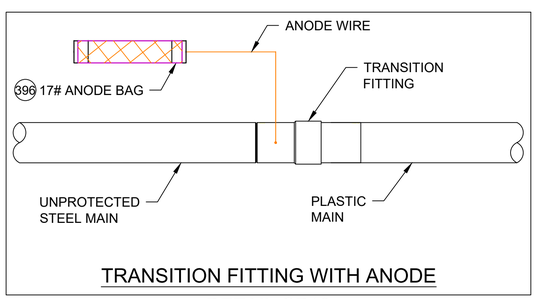
TYPE X TEST STATION

DETAIL CP8
SCALE: 1/2" = 1'-0"



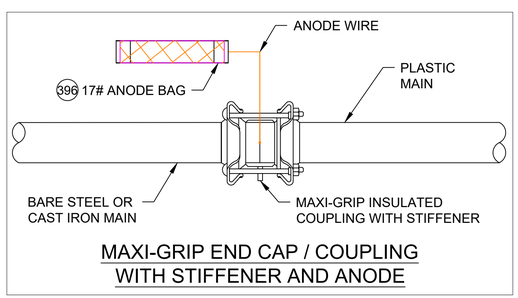
TDW 3-WAY TEE WITH ANODE

DETAIL CP9
SCALE: 1/2" = 1'-0"



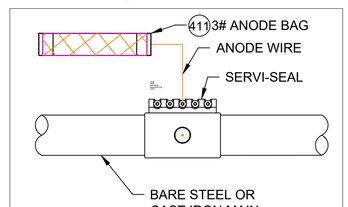
TRANSITION FITTING WITH ANODE

DETAIL CP10
SCALE: 1/2" = 1'-0"



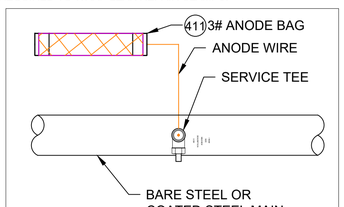
MAXI-GRIP END CAP / COUPLING WITH STIFFENER AND ANODE

DETAIL CP11
SCALE: 1/2" = 1'-0"



SERVI-SEAL / CLAMP AND ANODE

DETAIL CP12
SCALE: 1/2" = 1'-0"



SERVICE TEE AND ANODE

DETAIL CP13
SCALE: 1/2" = 1'-0"

CATHODIC PROTECTION BILL OF MATERIALS

ITEM	MAXIMO NO.	DESCRIPTION	UNITS
396	577776	ANODE,BAG, 17 LB NET, HIGH POTENTIAL MAGNESIUM, W/ 10 FT #10 AWG TW ORANGE LEAD WIRE, PACKED IN CARDBOARD BOX 42 LB TOTAL WEIGHT	EA
397	517626	CONNECTOR, SPLIT BOLT, 12 SOLID - 10 STRANDED, CU TO CU, HOUSING (COVER) MATE IN 590389,	EA
398	590389	HOUSING, 50 V MAX, 10 AWG MAX, FOR PROTECTING TRACER WIRE SPLICES, USED WITH CONNECTOR IN 517626. 10/BAG	EA
399	590871	BOX VALVE, TEST STATION, CP TEST #178, 10-1/4 IN DIA. LID, 8-3/8 IN I.D. 16 IN H., ASTM A48 CL 25 CAST IRON, FOR OFF-ROAD USE ONLY	EA
400	508567	POWDER, CARTRIDGE, TYPE IS F-33, ALLOY , CAP COLOR CLEAR, 15 GM CHARGE, 20/PAC, FOR STEEL PIPE	BOX
401	559168	SLEEVE,ELECTRICAL, #14 TO 10 AWG, W/ THERMITE WELDER, FOR CATHODIC PROTECTION	EA
402	584045	EDI CONCENTRIC COUPON ASSEMBLY INCLUDING UCB-ZIN-LW010, 10 FT OF CABLE	ES
403	603126	EDI CONCENTRIC COUPON ASSEMBLY INCLUDING UCB-ZIN-LW025, 25 FT OF CABLE	ES
404	603140	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, RED, INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
405	578415	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, WHITE, INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
406	603141	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, BLUE INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
407	603139	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, BLACK, INSULATED, CU, 500 FT SPOOL,WIRE	ROLL
408	500804	WELDER,THERMITE, THERMITE, FOR GAS PIPE, #12 CABLE,HORIZONTAL STEEL PIPE 4 IN AND LARGER DIAMETER	EA
409	500805	WELDER,THERMITE, THERMITE, FOR GAS PIPE, #12 CABLE, HORIZONTAL STEEL PIPE 3/4 - 3-1/2 IN DIAMETER	EA
410	513850	CABLE, INSULATED, CATHODIC PROTECTION, 1/C, #4 AWG, 7 STR, 600 V, BLACK, HMWPE, CU, 1000 FT ROLLS	FT
411	505818	ANODE,BAG, 2.5 X 2.5 X 4.5 IN, 10 FT LG, 3 LB, MAGNESIUM, Alternate IN 577776	EA
575	508572	PRIMER, 4 GAL/CASE, BROWN, FOR WAX TAPE, APPLICATION TEMP 0 TO 230 F, TEMCOAT 3000	EA
576	503673	TAPE,WAX, 9 FT LG X 4 IN W, 24 ROLLS/CS, ABOVE AND BELOW GROUND APPLICATIONS, TR-#2A WAX, ALUMINUM	ROLL
577	603769	TRENTON-FILL POR PM-GP, 140 FA, FOR FILLING VOIDS & IRREGULAR SPACES PRIOR TO WRAPPING W/WAX TAPE, 0F TO 110F APPLICATION TEMPERATURE, 6 BLOCKS/CASE,	CASE
	603423	TAPE,WAX, 9 FT LG X 6 IN W X 70-90 MIL THK, 16 ROLLS/CS, ABOVE AND BELOW GROUND APPLICATIONS, TR-#2A WAX, ALUMINUM	ROLL

NOTES:

1. ALL TEST STATION BOXES SHOULD BE INSTALLED IN A SAFE LOCATION WHERE ONE INDIVIDUAL CAN SAFELY OPEN AND ACCESS THE TEST WIRES. ALL TEST WIRES INSIDE THE BOX SHOULD HAVE ENOUGH SLACK ON THE WIRES SO THEY CAN EXTEND A MINIMUM OF 12" ABOVE GRADE.
2. FOR TYPE A TEST STATIONS, THE TWO WIRES SHOULD BE THERMITE WELDED TO THE COATED STEEL MAIN AND BE THE SAME COLOR. (COUPONS COULD BE ADDED TO THE TEST STATION TYPE).
3. FOR TYPE B TEST STATIONS, EACH OF THE FOUR WIRES SHOULD BE A DIFFERENT COLOR AND DOCUMENTED
4. FOR TYPE C TEST STATIONS, THE WIRES SHOULD BE THE SAME COLOR ON EACH SIDE OF THE INSULATED COUPLING. (ANODES AND/OR COUPONS COULD BE ADDED TO THIS TEST STATION TYPE).
5. FOR TYPE D TEST STATIONS WHICH ARE AT A CASING, WHITE WIRES ARE NORMALLY INSTALLED ON THE STEEL CASING AND BLACK WIRES ARE INSTALLED ON THE CARRIER PIPE. (ANODES AND/OR COUPONS COULD BE ADDED TO THIS TEST STATION TYPE).
6. FOR TYPE M TEST STATIONS, THE TWO WIRES THERMITE WELDED TO THE CARRIER PIPE SHOULD BE THE SAME COLOR WIRE. THERE IS ALSO MAGNESIUM ANODE(S) WIRE(S) LOCATED INSIDE THE TEST STATION BOX.THE WIRE COLOR (TYPICALLY ORANGE) FOR THE ANODES. IF THE ANODE WIRES ARE SPLICED TO A COMMON ANODE HEADER CABLE, THE ANODE HEADER CABLE SHOULD BE A (WHITE OR RED) DIFFERENT COLOR WIRE THAN THE WIRE THAT WAS THERMITE WELDED TO THE CARRIER PIPE. AT A TYPE M TEST STATION, NO MAGNESIUM ANODES SHOULD BE DIRECTLY THERMITE WELDED TO THE CARRIER PIPE OR IN CONTACT WITH THE CARRIER PIPE. THE ANODE HEADER WIRE OR INDIVIDUAL ANODE WIRES SHOULD TERMINATE INSIDE THE TEST STATION BOX. ANODES SHOULD BE SPACED A MINIMUM OF 5' ON CENTER FROM EACH OTHER AND A MINIMUM OF 12" AWAY AND BELOW THE BOTTOM OF THE STEEL MAIN.
7. IF COUPONS ARE TO BE INSTALLED , FIRST REMOVE THE PROTECTIVE LABEL COVERING THE STEEL COUPON AND THE RED STICKERS COVERING EACH SENSING PORT. CLEAN THE ENTIRE STEEL COUPON SURFACE WITH ALCOHOL TO REMOVE THE CORROSION INHIBITOR .PLACE THE COUPON ASSEMBLY APPROXIMATELY 12" FROM THE GAS MAIN BEING MONITORED WITH THE SENSING PORTS FACING THE GAS MAIN. THE COUPON ASSEMBLY SHOULD BE LOCATED ADJACENT TO THE BOTTOM PORTION OF THE GAS MAIN, ANYWHERE BETWEEN 3 O'CLOCK AND 9 O'CLOCK. THE SOIL BETWEEN THE COUPON AND THE MAIN SHOULD BE WELL COMPACTED AND CONTAIN NO ROCKS LARGER THAN A CENTIMETER IN DIAMETER OR FOREIGN MATERIAL.
8. ONE (1) 3# ANODE (MINIMUM) SHALL BE INSTALLED TO PROTECT THE CLAMPS ON EACH 10-FOOT SPAN OF PIPE. EACH 10-FOOT SPAN OF PIPE MUST BE A CONTINUOUS SECTION OF STEEL. CLAMPS ON NON-CONTINUOUS SECTIONS OF STEEL EVEN IF THEY ARE WITHIN 10 FEET OF EACH CANNOT BE PROTECTED BY THE SAME ANODE.
9. REFER TO CONSTRUCTION STANDARD CS-500 SECTION IV.G WHICH PROVIDES GENERAL GUIDANCE REGARDING "WRAPPING" FOR CORROSION PROTECTION. CS-500 SECTION IV.G.5. DESCRIBES THE BASIC STEPS REQUIRED TO WRAP LEAK REPAIR CLAMPS.

REV	Description	Date	Dw/Ck
E	####	####	####
D	####	####	####
C	####	####	####
B	####	####	####
A	####	####	####

Revision/Status

EVERSOURCE ENERGY

ARMORY ST BRIDGE OVER CSX - MASSDOT, SPRINGFIELD, MA

PROJECT # 24EG096 - WO# 15022881

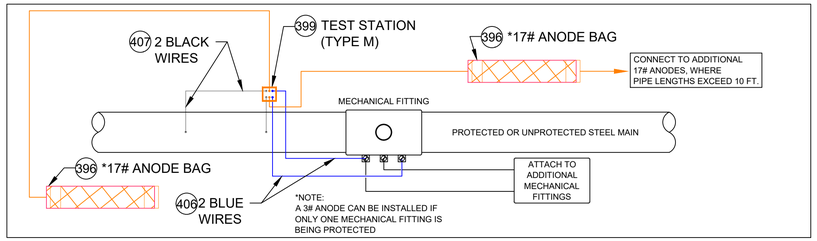
MA CORROSION DETAILS (1 OF 3)

SCALE: NTS SHEET 17 OF 20

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
CSB 09/09/2024	CJV 09/09/2024	MA-SPR-PIP-24-025-17	00

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

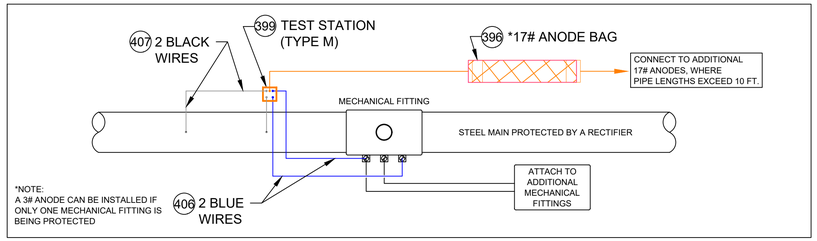
S:\Projects\71 Energy\2023\71230342 - Eversource - Armory St Bridge\DWG\BASE\ARCHIVE\ Eversource - Armory St Bridge_09042024.dwg
Sep 11, 2024 - 8:29am
Attachment: Armory St Bridge_IFC Option A (8325 : Eversource Gas - Armory St.)



TEST STATION CONNECTION DETAILS FOR MECHANICAL FITTINGS INSTALLED ON A STEEL MAIN

DETAIL CP12

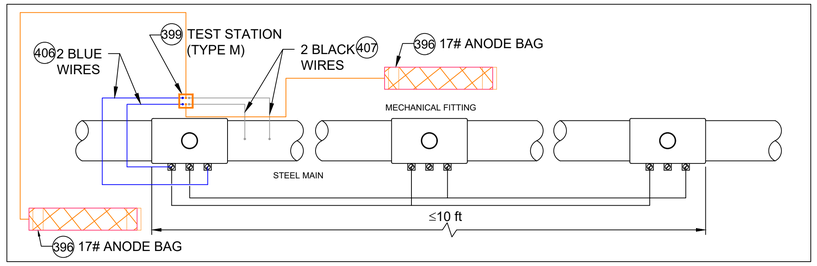
SCALE: 1/2" = 1'-0"



TEST STATION CONNECTION DETAILS FOR MECHANICAL FITTINGS INSTALLED ON STEEL MAIN PROTECTED BY A RECTIFIER

DETAIL CP13

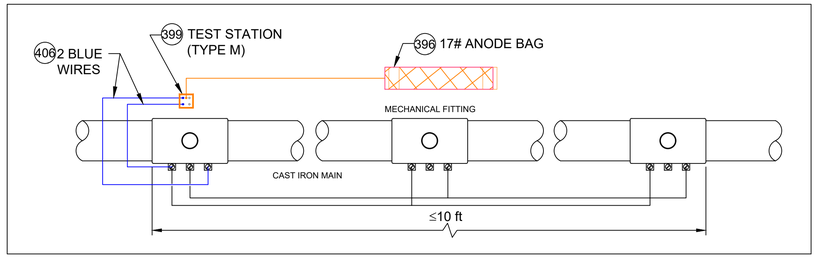
SCALE: 1/2" = 1'-0"



ANODE INSTALLATION FOR MULTIPLE MECHANICAL FITTINGS INSTALLED ON A ELECTRICALLY CONTINUOUS SECTION OF STEEL MAIN

DETAIL CP14

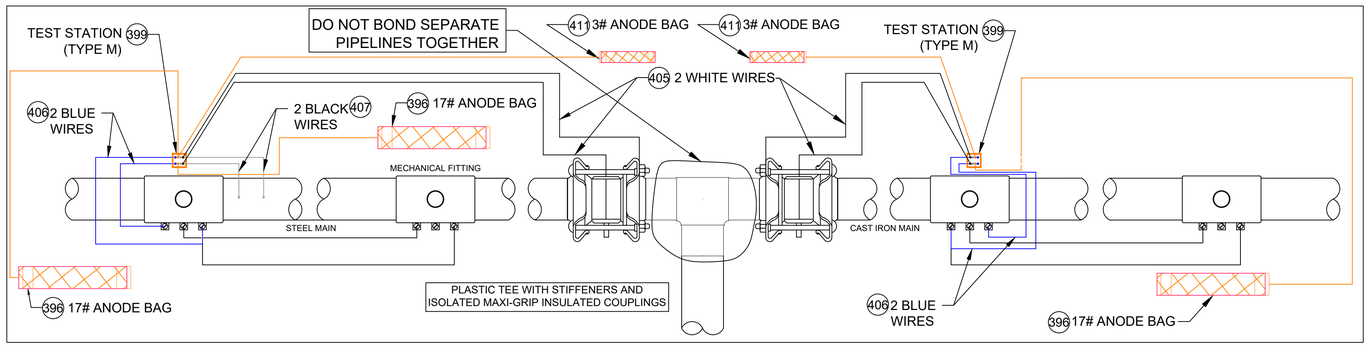
SCALE: 1/2" = 1'-0"



ANODE INSTALLATION FOR MULTIPLE MECHANICAL FITTINGS INSTALLED ON A CAST IRON MAIN

DETAIL CP15

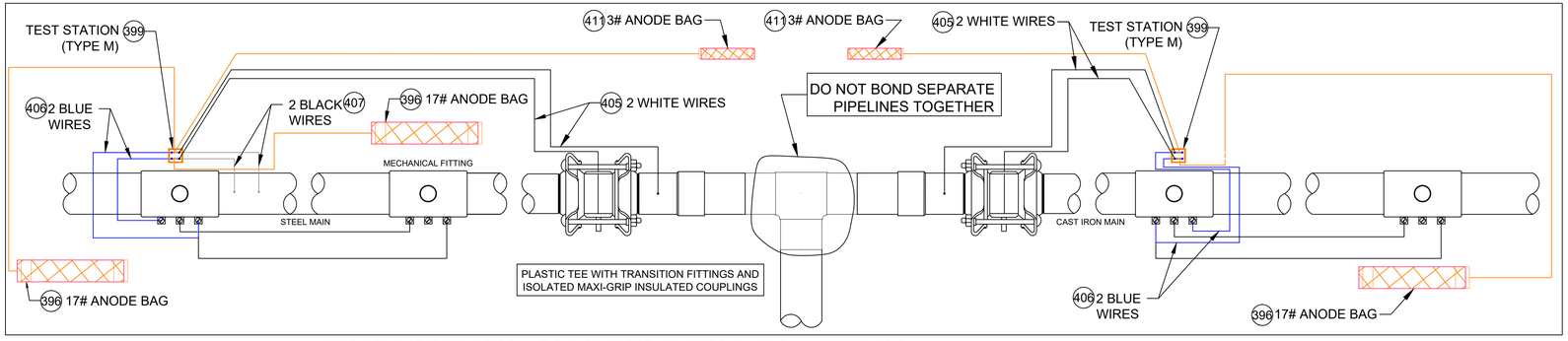
SCALE: 1/2" = 1'-0"



ANODE INSTALLATION FOR MULTIPLE MECHANICAL FITTINGS INSTALLED ON NON-ELECTRICALLY CONTINUOUS SECTIONS OF STEEL AND CAST IRON PIPING

DETAIL CP16

SCALE: 1/2" = 1'-0"



ANODE INSTALLATION FOR MULTIPLE MECHANICAL FITTINGS INSTALLED ON NON-ELECTRICALLY CONTINUOUS SECTIONS OF STEEL AND CAST IRON PIPING

DETAIL CP16A

SCALE: 1/2" = 1'-0"

CATHODIC PROTECTION BILL OF MATERIALS

ITEM	MAXIMO NO.	DESCRIPTION	UNITS
396	577776	ANODE,BAG, 17 LB NET, HIGH POTENTIAL MAGNESIUM, W/ 10 FT #10 AWG TW ORANGE LEAD WIRE, PACKED IN CARDBOARD BOX 42 LB TOTAL WEIGHT	EA
397	409626	CONNECTOR, SPLIT BOLT, 12 SOLID - 10 STRANDED, CU TO CU, HOUSING (COVER) MATE IN 590389,	EA
398	590389	HOUSING, 50 V MAX, 10 AWG MAX, FOR PROTECTING TRACER WIRE SPLICES, USED WITH CONNECTOR IN 409626. 10/BAG	EA
399	590871	BOX VALVE, TEST STATION, CP TEST #178, 10-1/4 IN DIA. LID, 8-3/8 IN I.D. 16 IN H., ASTM A48 CL 25 CAST IRON, FOR OFF-ROAD USE ONLY	EA
400	400567	POWDER, CARTRIDGE, TYPE IS F-33, ALLOY , CAP COLOR CLEAR, 15 GM CHARGE, 20/PAC, FOR STEEL PIPE	BOX
401	559168	SLEEVE,ELECTRICAL, #14 TO 10 AWG, W/ THERMITE WELDER, FOR CATHODIC PROTECTION	EA
402	584045	EDI CONCENTRIC COUPON ASSEMBLY INCLUDING UCB-ZIN-LW010, 10 FT OF CABLE	ES
403	603126	EDI CONCENTRIC COUPON ASSEMBLY INCLUDING UCB-ZIN-LW025, 25 FT OF CABLE	ES
404	603140	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, RED, INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
405	578415	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, WHITE, INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
406	603141	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, BLUE INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
407	603139	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, BLACK, INSULATED, CU, 500 FT SPOOL,WIRE	ROLL
408	500804	WELDER,THERMITE, THERMITE, FOR GAS PIPE, #12 CABLE,HORIZONTAL STEEL PIPE 4 IN AND LARGER DIAMETER	EA
409	500805	WELDER,THERMITE, THERMITE, FOR GAS PIPE, #12 CABLE, HORIZONTAL STEEL PIPE 3/4 - 3-1/2 IN DIAMETER	EA
410	405850	CABLE, INSULATED, CATHODIC PROTECTION, 1/C, #4 AWG, 7 STR, 600 V, BLACK, HMWPE, CU, 1000 FT ROLLS	FT
411	397818	ANODE,BAG, 2.5 X 2.5 X 4.5 IN, 10 FT LG, 3 LB, MAGNESIUM, Alternate IN 577776	EA
577	603769	TRENTON-FILL POR PM-GP, 140 FA, FOR FILLING VOIDS & IRREGULAR SPACES PRIOR TO WRAPPING W/WAX TAPE, 0F TO 110F APPLICATION TEMPERATURE, 6 BLOCKS/CASE,	CASE
575	400572	PRIMER, 4 GAL/CASE, BROWN, FOR WAX TAPE, APPLICATION TEMP 0 TO 230 F, TEMCOAT 3000	EA
576	503673	TAPE,WAX, 9 FT LG X 4 IN W, 24 ROLLS/CS, ABOVE AND BELOW GROUND APPLICATIONS, TR-#2A WAX, ALUMINUM	ROLL
697	603423	TAPE,WAX, 9 FT LG X 6 IN W X 70-90 MIL THK, 16 ROLLS/CS, ABOVE AND BELOW GROUND APPLICATIONS, TR-#2A WAX, ALUMINUM	ROLL

NOTES:

1. ALL TEST STATION BOXES SHOULD BE INSTALLED IN A SAFE LOCATION WHERE ONE INDIVIDUAL CAN SAFELY OPEN AND ACCESS THE TEST WIRES. ALL TEST WIRES INSIDE THE BOX SHOULD HAVE ENOUGH SLACK ON THE WIRES SO THEY CAN EXTEND A MINIMUM OF 12" ABOVE GRADE.
2. FOR TYPE A TEST STATIONS, THE TWO WIRES SHOULD BE THERMITE WELDED TO THE COATED STEEL MAIN AND BE THE SAME COLOR. (COUPONS COULD BE ADDED TO THE TEST STATION TYPE).
3. FOR TYPE B TEST STATIONS, EACH OF THE FOUR WIRES SHOULD BE A DIFFERENT COLOR AND DOCUMENTED
4. FOR TYPE C TEST STATIONS, THE WIRES SHOULD BE THE SAME COLOR ON EACH SIDE OF THE INSULATED COUPLING. (ANODES AND/OR COUPONS COULD BE ADDED TO THIS TEST STATION TYPE).
5. FOR TYPE D TEST STATIONS WHICH ARE AT A CASING, WHITE WIRES ARE NORMALLY INSTALLED ON THE STEEL CASING AND BLACK WIRES ARE INSTALLED ON THE CARRIER PIPE. (ANODES AND/OR COUPONS COULD BE ADDED TO THIS TEST STATION TYPE).
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7. IF COUPONS ARE TO BE INSTALLED , FIRST REMOVE THE PROTECTIVE LABEL COVERING THE STEEL COUPON AND THE RED STICKERS COVERING EACH SENSING PORT. CLEAN THE ENTIRE STEEL COUPON SURFACE WITH ALCOHOL TO REMOVE THE CORROSION INHIBITOR .PLACE THE COUPON ASSEMBLY APPROXIMATELY 12" FROM THE GAS MAIN BEING MONITORED WITH THE SENSING PORTS FACING THE GAS MAIN. THE COUPON ASSEMBLY SHOULD BE LOCATED ADJACENT TO THE BOTTOM PORTION OF THE GAS MAIN, ANYWHERE BETWEEN 3 O'CLOCK AND 9 O'CLOCK. THE SOIL BETWEEN THE COUPON AND THE MAIN SHOULD BE WELL COMPACTED AND CONTAIN NO ROCKS LARGER THAN A CENTIMETER IN DIAMETER OR FOREIGN MATERIAL.
8. ONE (1) 3# ANODE (MINIMUM) SHALL BE INSTALLED TO PROTECT THE CLAMPS ON EACH 10-FOOT SPAN OF PIPE. EACH 10-FOOT SPAN OF PIPE MUST BE A CONTINUOUS SECTION OF STEEL. CLAMPS ON NON-CONTINUOUS SECTIONS OF STEEL EVEN IF THEY ARE WITHIN 10 FEET OF EACH CANNOT BE PROTECTED BY THE SAME ANODE.
9. REFER TO CONSTRUCTION STANDARD CS-500 SECTION IV.G WHICH PROVIDES GENERAL GUIDANCE REGARDING "WRAPPING" FOR CORROSION PROTECTION. CS-500 SECTION IV.G.5. DESCRIBES THE BASIC STEPS REQUIRED TO WRAP LEAK REPAIR CLAMPS.

NOTE: WHEN MULTIPLE WIRES FROM DIFFERENT PIPE SECTIONS ARE IN THE SAME TEST STATION, THE WIRES FROM THE SAME PIPE SECTION AND ASSOCIATED ANODE WILL BE TAPED TOGETHER INSIDE THE TEST STATION.

SCALE: 1/2" = 1'-0"

REV	Description	Date	Dw/Ck
E	####	####	####
D	####	####	####
C	####	####	####
B	####	####	####
A	####	####	####

Revision/Status

EVERSOURCE ENERGY

ARMORY ST BRIDGE OVER CSX - MASSDOT, SPRINGFIELD, MA

PROJECT # 24EG096 - WO# 15022881

MA CORROSION DETAILS (2 OF 3)

SCALE: NTS SHEET 18 OF 20

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
CSB 09/09/2024	CJV 09/09/2024	MA-SPR-PIP-24-025-18	00

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

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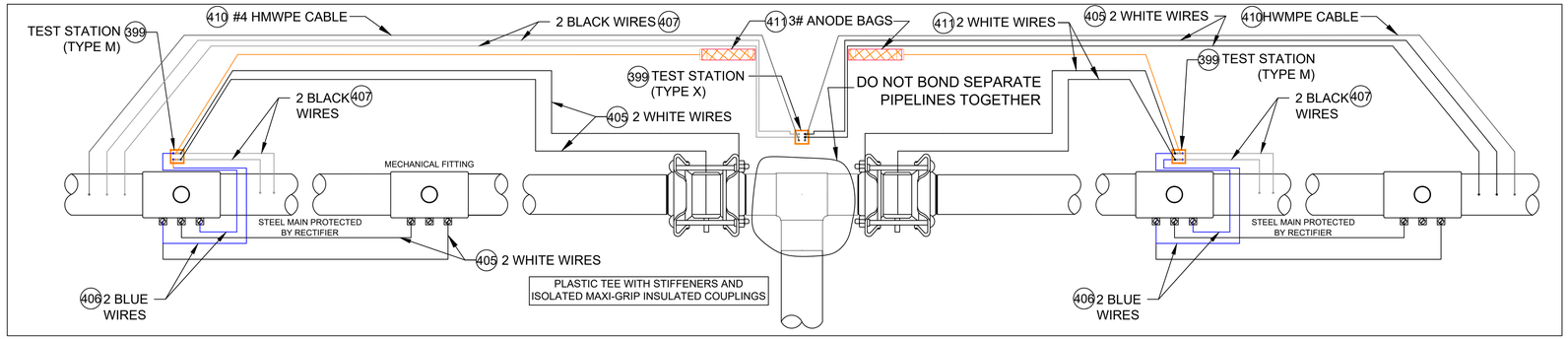
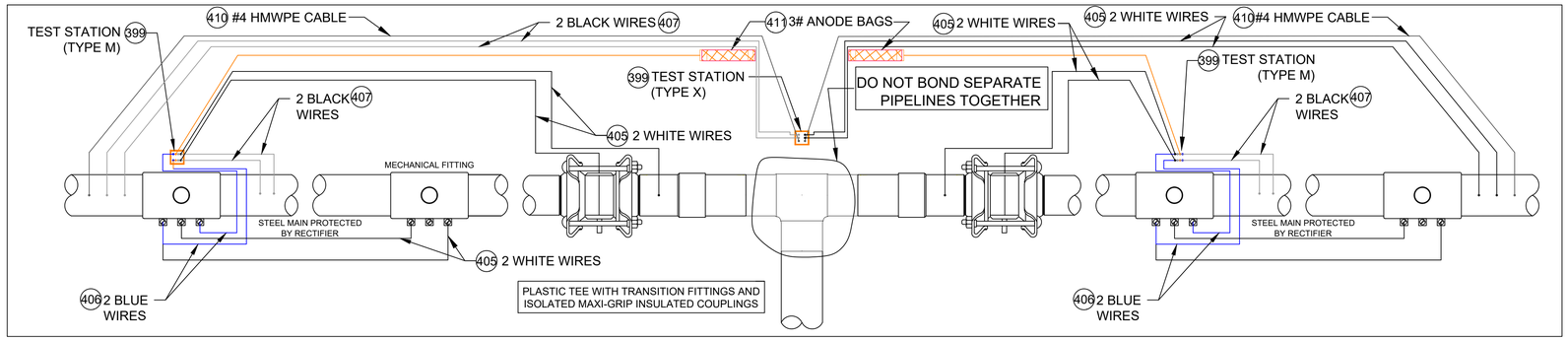
Sep 11, 2024 - 8:29am
Attachment: Armory St Bridge_IFC Option A (8325 : Eversource Gas - Armory St.)



ANODE INSTALLATION FOR MULTIPLE MECHANICAL FITTINGS
INSTALLED ON NON-ELECTRICALLY CONTINUOUS SECTIONS OF COATED STEEL PIPING

DETAIL CP17
SCALE: 1/2" = 1'-0"



ANODE INSTALLATION FOR MULTIPLE MECHANICAL FITTINGS
INSTALLED ON NON-ELECTRICALLY CONTINUOUS SECTIONS OF COATED STEEL PIPING

DETAIL CP17A
SCALE: 1/2" = 1'-0"

CATHODIC PROTECTION BILL OF MATERIALS

ITEM	MAXIMO NO.	DESCRIPTION	UNITS
396	577776	ANODE,BAG, 17 LB NET, HIGH POTENTIAL MAGNESIUM, W/ 10 FT #10 AWG TW ORANGE LEAD WIRE, PACKED IN CARDBOARD BOX 42 LB TOTAL WEIGHT	EA
397	409626	CONNECTOR, SPLIT BOLT, 12 SOLID - 10 STRANDED, CU TO CU, HOUSING (COVER) MATE IN 590389,	EA
398	590389	HOUSING, 50 V MAX, 10 AWG MAX, FOR PROTECTING TRACER WIRE SPLICES, USED WITH CONNECTOR IN 409626. 10/BAG	EA
399	590871	BOX VALVE, TEST STATION, CP TEST #178, 10-1/4 IN DIA. LID, 8-3/8 IN I.D. 16 IN H., ASTM A48 CL 25 CAST IRON, FOR OFF-ROAD USE ONLY	EA
400	400567	POWDER, CARTRIDGE, TYPE IS F-33, ALLOY , CAP COLOR CLEAR, 15 GM CHARGE, 20/PAC, FOR STEEL PIPE	BOX
401	559168	SLEEVE,ELECTRICAL, #14 TO 10 AWG, W/ THERMITE WELDER, FOR CATHODIC PROTECTION	EA
402	584045	EDI CONCENTRIC COUPON ASSEMBLY INCLUDING UCB-ZIN-LW010, 10 FT OF CABLE	ES
403	603126	EDI CONCENTRIC COUPON ASSEMBLY INCLUDING UCB-ZIN-LW025, 25 FT OF CABLE	ES
404	603140	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, RED, INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
405	578415	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, WHITE, INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
406	603141	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, BLUE INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
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408	500804	WELDER,THERMITE, THERMITE, FOR GAS PIPE, #12 CABLE,HORIZONTAL STEEL PIPE 4 IN AND LARGER DIAMETER	EA
409	500805	WELDER,THERMITE, THERMITE, FOR GAS PIPE, #12 CABLE, HORIZONTAL STEEL PIPE 3/4 - 3-1/2 IN DIAMETER	EA
410	405850	CABLE, INSULATED, CATHODIC PROTECTION, 1/C, #4 AWG, 7 STR, 600 V, BLACK, HMWPE, CU, 1000 FT ROLLS	FT
411	397818	ANODE,BAG, 2.5 X 2.5 X 4.5 IN, 10 FT LG, 3 LB, MAGNESIUM, Alternate IN 577776	EA
577	603769	TRENTON-FILL POR PM-GP, 140 FA, FOR FILLING VOIDS & IRREGULAR SPACES PRIOR TO WRAPPING W/WAX TAPE, 0F TO 110F APPLICATION TEMPERATURE, 6 BLOCKS/CASE,	CASE
575	400572	PRIMER, 4 GAL/CASE, BROWN, FOR WAX TAPE, APPLICATION TEMP 0 TO 230 F, TEMCOAT 3000	EA
576	503673	TAPE,WAX, 9 FT LG X 4 IN W, 24 ROLLS/CS, ABOVE AND BELOW GROUND APPLICATIONS, TR-#2A WAX, ALUMINUM	ROLL
697	603423	TAPE,WAX, 9 FT LG X 6 IN W X 70-90 MIL THK, 16 ROLLS/CS, ABOVE AND BELOW GROUND APPLICATIONS, TR-#2A WAX, ALUMINUM	ROLL

NOTES:

1. ALL TEST STATION BOXES SHOULD BE INSTALLED IN A SAFE LOCATION WHERE ONE INDIVIDUAL CAN SAFELY OPEN AND ACCESS THE TEST WIRES. ALL TEST WIRES INSIDE THE BOX SHOULD HAVE ENOUGH SLACK ON THE WIRES SO THEY CAN EXTEND A MINIMUM OF 12" ABOVE GRADE.
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SCALE: 1/2" = 1'-0"

REV	Description	Date	Dw/Ck
E	####	####	####
D	####	####	####
C	####	####	####
B	####	####	####
A	####	####	####

Revision/Status

EVERSOURCE ENERGY

ARMORY ST BRIDGE OVER CSX - MASSDOT, SPRINGFIELD, MA
PROJECT # 24EG096 - WO# 15022881
MA CORROSION DETAILS (3 OF 3)

SCALE: NTS SHEET 19 OF 20

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
CSB 09/09/2024	CJV 09/09/2024	MA-SPR-PIP-24-025-19	00

S:\Projects\71 Energy\2023\71230342 - Eversource - Armory St Bridge\DWG\BASE\ARCHIVE\ Eversource - Armory St Bridge_09042024.dwg
Sep 11, 2024 - 8:29am
Attachment: Armory St Bridge_IFC Option A (8325 : Eversource Gas - Armory St.)

No.	Description	Date	Dw/Ck
00	ISSUED FOR CONSTRUCTION	09/09/24	CJV/MEP

Revision/Status

EVERSOURCE ENERGY

ARMORY ST BRIDGE OVER CSX - MASSDOT, SPRINGFIELD, MA

PROJECT # 24EG096 - WO# 15022881

PLAN

SCALE: NTS SHEET 20 OF 20

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
CSB 09/09/2024	CJV 09/09/2024	MA-SPR-PIP-24-025-20	00

ISSUED FOR CONSTRUCTION

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

THE DDS COMPANIES

S:\Projects\71 Energy\2023\71230342 - Eversource - Armory St Bridge\DWG\BASE\PROBASE1 Eversource - Armory St Bridge_09042024.dwg

Sep 11, 2024 - 8:29am

Attachment: Armory St Bridge_IFC Option A (8325 : Eversource Gas - Armory St.)

City Council
36 Court Street
Springfield, MA 01103

SCHEDULED

PETITION (ID # 8320)

Meeting: 11/18/24 07:00 PM
Department: Department of Public Works
Category: General
Prepared By: Hector Velez
Initiator: Hector Velez
Sponsors:
DOC ID: 8320

Eversource Gas - Worthington Street

ORDER FOR LOCATION OF UNDERGROUND CONDUIT

WHEREAS, The Board of Public Works, to which was referred the petition of Eversource-Gas to install and replace underground gas facilities within a section of the McKnight Neighborhood at Worthington Street, Bowdoin Street, Ingersoll Grover, and Florida Street to retire low-pressure cast iron gas infrastructure.

WHEREAS, said petition Worthington Street was referred to the Board of Public Works on August 26, 2024; and

WHEREAS, On September 30, 2024, a Notice of a Public Hearing on Worthington Street to be held on October 17, 2024, was sent by mail, to all property owners abutting an affected road, various Departments, Utility Companies, etc before the day of the hearing and posted on two public bulletin board a copy of which is attached a hearing of the Board of Public Works was held as scheduled on-site with the petitioner and interested parties.

WHEREAS, on October 17, 2024, the Board of Public Works reported thereon that, after careful consideration of the petition of Worthington Street to install and replace underground gas facilities within a section of the McKnight Neighborhood at Worthington Street, Bowdoin Street, Ingersoll Grover, and Florida Street to retire low-pressure cast iron gas infrastructure., all as substantially shown on a plan attached with project name:

Worthington Street

Consisting of fifteen (15) sheets, which plan is incorporated herein by reference and is on file in the office of the Engineering Division of the Department of Public Works, Springfield, Massachusetts.

WHEREAS, the petition Worthington Street came before the City Council for a Public Hearing on this date,

NOW, THEREFORE, BE IT ORDERED:

1. That due care for public safety is exercised during construction including but not limited to the use of a police officer(s) for traffic control if necessary.

2. That said construction would not unnecessarily interfere with the movement of vehicular or pedestrian traffic in the area.

3. That care be taken during said construction not to damage any underground services.

4. That the construction site be returned to the same condition as found or better.

5. Said company shall indemnify and save harmless against all damages, costs, and expenses whatsoever to which the City may be subjected in consequence of the acts or neglect of said Company, its agents or servants, or in any manner arising from the rights and privileges granted it by the City.

6. In addition, said company shall, before a public way is disturbed for the laying of its wire or conduit, execute its bond in the penal sum of Ten Thousand Dollars ($10,000) conditioned for the faithful performance of its duties under this permit.

7. Said company shall comply with the requirements of existing Ordinances and orders and comply with any changes in Ordinances and orders as may hereafter be adopted by the Mayor and Council governing the construction and maintenance of buried cable, conduits, and wires.

8. That any sidewalks that are damaged or removed will be replaced in kind and accordance with the City of Springfield's Standard Specifications.

9. Ramps for the handicapped will be provided if and where required by law and in conformance with the Rules and Regulations of the Massachusetts Architectural Barrier Board.

10. That any curbing that is disturbed during construction will be reset to the established street grade using proper construction procedures.

11. That all proposed silo, manhole, and hex-hole covers will conform to and be compatible with an established street, tree belt, or sidewalk grades with suitable non-skid covers when in the sidewalk area.

12. That the Springfield Water and Sewer Commission be notified before construction begins. All installations of adjacent utilities must be a minimum of 4 feet from the existing water and/or sewer main, edge to edge of the pipe.

13. That asphalt trench restoration be done in accordance with the City of Springfield DPW requirements.

14. That all conditions outlined in the respective order are complied with.

CITY OF SPRINGFIELD, MASSACHUSETTS

October 9, 2024

TO THE MAYOR AND CITY COUNCIL OF THE CITY OF SPRINGFIELD:

The Board of Public Works, to which was referred the petition of the Eversource-Gas of Massachusetts, dated August 20, 2024, to install and replace underground gas facilities within a section of the McKnight Neighborhood at Worthington Street, Bowdoin Street, Ingersoll Grover, and Florida Street to retire low-pressure cast iron gas infrastructure and update the system to medium-pressure., all shown on a plan attached with a project name, Worthington Street which is incorporated herein by reference and to lay and maintain underground gas main pipes for improvements of the system reports thereon as follows:

By virtue of Chapter 708 of the Acts of 1977, the Board of Public Works held the hearing on the above matter provided for in Section 22 of Chapter 166 of the General Laws. The hearing was held on October 17, 2024, at 3:30 P.M. at the corner of Bowdoin Street and Worthington Street in Springfield MA. After due notice from the office of the City Clerk. two (2) members of the Board and one (1) person interested in the matter were present. Of the latter, one (1) voted in favor and no one (0) voted against.

The Board finds the request necessary so that the utility company can upgrade existing underground facilities to improve the quality of service in this area.

After careful consideration, the Board recommends the petition be granted provided:

That due care for public safety is exercised during construction including but not limited to the use of a police officer(s) for traffic control if necessary.

That said construction would not unnecessarily interfere with the movement of vehicular or pedestrian traffic in the area.

That care be taken during said construction not to damage any underground services.

That the construction site be returned to the same condition as found or better.

Said company shall indemnify and save harmless against all damages, costs, and expenses whatsoever to which the City may be subjected in consequence of the acts or neglect of said Company, its agents or servants, or in any manner arising from the rights and privileges granted it by the City.

Attachment: Report Worthington St (8320 : Eversource Gas - Worthington Street)

In addition, said company shall, before a public way is disturbed for the laying of its wire or conduit, execute its bond in the penal sum of Ten Thousand Dollars ($10,000) conditioned for the faithful performance of its duties under this permit.

Said company shall comply with the requirements of existing Ordinances and orders and comply with any changes in Ordinances and orders as may hereafter be adopted by the Mayor and Council governing the construction and maintenance of buried cable, conduits, and wires.

Any sidewalks that are damaged or removed will be replaced in kind and accordance with the City of Springfield's Standard Specifications.

Ramps for the handicapped will be provided if and where required by law and in conformance with the Rules and Regulations of the Massachusetts Architectural Barrier Board.

Any curbing that is disturbed during construction will be reset to the established street grade using proper construction procedures.

That due care be exercised not to unnecessarily damage any public shade trees located within the construction area.

That the Springfield Water and Sewer Commission be notified before construction begins. All installations of adjacent utilities must be a minimum of 4 feet from the existing water and/or sewer main, edge to edge of the pipe.

That all conditions outlined in the respective order are complied with.

John J. Fitzgerald)

_____)

_____)

BOARD OF PUBLIC WORKS

Attachment: Report Worthington St (8320 : Eversource Gas - Worthington Street)

Worthington St - Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
C:\users\kquinton\projectwise\fsl\d0394072\

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07 OF 15	MA PREPARATORY AND FINAL TIE-IN DETAILS
08 OF 15	MA PREPARATORY AND FINAL TIE-IN DETAILS
09 OF 15	MA PREPARATORY AND FINAL TIE-IN DETAILS
10 OF 15	MA PREPARATORY AND FINAL TIE-IN DETAILS
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12 OF 15	MA CORROSION DETAILS (1 OF 3)
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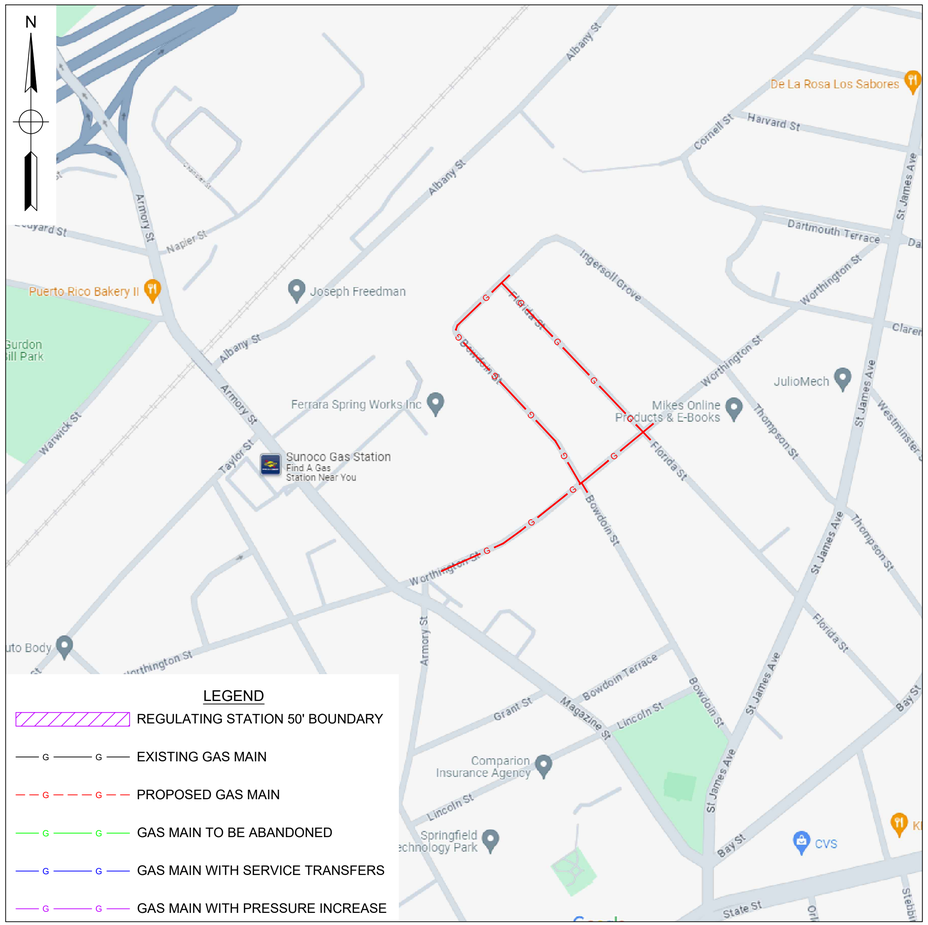
14 OF 15	MA CORROSION DETAILS (3 OF 3)
15 OF 15	BLANK GRIDDED SHEET

EVERSOURCE ENERGY



WORK SCOPE

PROJECT SUMMARY TABLE
INSTALLATION INFORMATION

Work Type	LENGTH (FT)	SIZE (IN)	MAOP	MATERIAL
INSTALL	1,041'	6"	60 PSIG	HDPE
INSTALL	2,049'	2"	60 PSIG	HDPE
			INSTALLATION TOTAL	3,090'
			UPRATE/RETEST TOTAL	0'

PROJECT SUMMARY TABLE
ABANDONMENT INFORMATION

LENGTH (FT)	SIZE (IN)	MAOP	ABANDONMENT CLASS
1,061'	3"	14" WC	CI-(GSEP)
2'	3"	14" WC	Plastic (Non-GSEP)
888'	4"	14" WC	CI-(GSEP)
7'	4"	14" WC	Plastic (Non-GSEP)
776'	6"	14" WC	CI-(GSEP)
140'	6"	14" WC	Plastic (Non-GSEP)
		GSEP ABANDONMENT SUBTOTAL	2,725'
		NON-GSEP ABANDONMENT SUBTOTAL	149'
		ABANDONMENT TOTAL	2,874'

ISSUED FOR REVIEW

TRC
215 GREENFIELD PKY | Suite 102 | LIVERPOOL, NY 13088

Know what's below. Call before you dig.

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
C	REVISE NEW MAIN ALIGNMENT	9/24/24	KMQ/AS
B	REVISED PER EGMA COMMENT	9/19/24	KMQ/AS
A	ISSUED FOR REVIEW	8/23/24	KMQ/AS

Revision/Status

EVERSOURCE ENERGY

WORTHINGTON ST, SPRINGFIELD, MA
PROJECT # 25EG041 / WORK ORDER # 17063912
COVER SHEET

SCALE: 1"=30' ON 22"X34" SHEET 01 OF 15

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ / 8/22/24	AS / 8/23/24	MA-SPR-PIP-25-016-01	C

Attachment: MA-SPR-PIP-25-016 - Worthington St - FPO Drawing - RevC (8320 : Eversource Gas - Worthington Street)

Sep 24, 2024 - 1:43pm

EGMA DRAWING TEMPLATE - 02-09-2023
Worthington St - Pro Drawing Rev0.dwg
C:\users\kquinton\projectwise\ls\d0394072\

GENERAL NOTES:

A. 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.

1. IF THE TIE IN POINT MOVES TO A DIFFERENT SEGMENT OF PIPE THAN SHOWN.
2. IF A CHANGE IN THE LOCATION OF VALVES IS REQUIRED.
3. 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.
4. IF A CHANGE IN PIPE SIZE, MATERIAL, OR WALL THICKNESS IS REQUIRED.
5. ALTERNATE FITTINGS THAT ARE ACCEPTABLE FOR ANY TIE-IN DETAIL WILL BE CALLED OUT IN THE DRAWING. FITTING CHANGES NOT SHOWN AS ALTERNATIVES ON THE DRAWING WILL NEED TO FOLLOW THE DRAWING CHANGE PROCESS CONTAINED IN SECTION V.D.

B. CONSTRUCTION DRAWINGS, LOCATIONS OF EXISTING UTILITIES, UNDERGROUND STRUCTURES AND WORK LOCATIONS ARE BASED ON BEST AVAILABLE INFORMATION BUT HAVE NOT BEEN FIELD VERIFIED.

C. ALL WORK, MATERIAL AND CONSTRUCTION SHALL BE PERFORMED AND COMPLETED IN COMPLIANCE WITH ALL PERMITS AND APPROVALS PER EVERSOURCE, LOCAL, STATE, OSHA AND FEDERAL REGULATIONS AND STANDARDS.

D. ALL LIVE GAS WORK EXCEPT SERVICE SIZE TAPS, 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.

E. EXCAVATOR IS REQUIRED TO PROTECT EXISTING UTILITIES, STRUCTURES, LANDSCAPES FEATURES, SIGNAGE, CURBS, ETC. CARE SHOULD BE TAKEN NOT TO DISTURB OR DAMAGE SUCH ITEMS. 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.

F. 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.

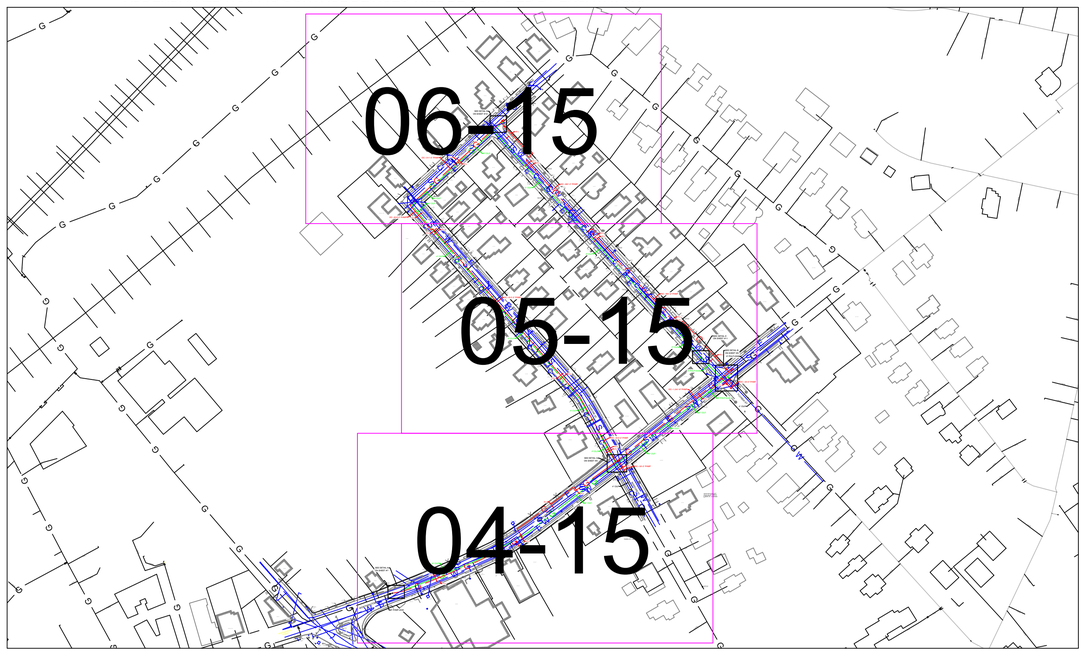
WARNING:
FOR LP SYSTEMS (≤2 PSIG), **DO NOT USE** VENT STACKS LARGER THAN THOSE LISTED IN TABLE 3. DOING SO MAY CAUSE THE EXIT VELOCITY OF THE PURGE GASSES OUT OF THE STACK TO DROP BELOW THE RATE OF FLAME TRAVEL. IF VENT GASSES BECOME IGNITED, THE FLAME COULD TRAVEL BACK THROUGH THE VENT STACK, INTO THE MAIN.

TABLE 3 - REQUIRED VENT STACK SIZES FOR MAINS

PIPELINE TO BE PURGED - NOMINAL SIZE (INCHES)	PURGE GAS INJECTION FLOW RATE (CFM), MINIMUM	REQUIRED VENT STACK SIZE
1 ¼	5	1-INCH
1 ½	5	1-INCH
2	10	1-INCH
3	10	1-INCH
4	15	1-INCH
6	30	2-INCH(1)
8	60	2-INCH(1)
10	100	2-INCH(1)
12	150	2-INCH(1)
16	275	2-INCH
18	370	2-INCH

NOTE:

1. WHEN PURGING A PRESSURIZED SYSTEM (MAOP>2 PSIG) **INTO** SERVICE, A 1-INCH NOMINAL VENT STACK CAN BE UTILIZED, IF DESIRED.
2. WITHIN THE VENT STACK ASSEMBLIES, TWO TYPES OF "LOCALIZED REDUCTIONS" ARE PERMITTED AND SPECIFICALLY INCLUDE: THE TAP HOLE IN THE MAIN AND THE REDUCED SIZE OF THE PORT IN THE VENT STACK/ISOLATION VALVE.
   - FOR 1-INCH NOMINAL VENT STACKS THE TAP/PORT CAN BE AS SMALL AS ¾"; AND
   - FORE THE 2-INCH NOMINAL VENT STACKS THE TAP/PORT CAN BE AS SMALL AS 1 ¼".
3. THE BALANCE OF THE VENT STACK ASSEMBLY SHALL BE CONSTRUCTED USING PIPE AND FITTINGS OF THE NOMINAL SIZE OF THE SPECIFIED VENT STACK.



OVERVIEW KEY MAP
NOT TO SCALE

WORTHINGTON ST, SPRINGFIELD — **COMPLETE BOM**

REQUIRED BILL OF MATERIALS

Item Number	Maximo Part Number	Description	Quantity	Units
1660	602892	FITTING,TEE, 2 IN IPS X 1 IN IPS, ELECTROFUSION, HDPE, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	1	EA
44	604132	BOX VALVE, W/ 5-1/4 IN SQ NON-LOCKING LID, FOR 8 IN FULL PORT VALVES, PAVEMENT RISER IN 583488. 6/BOX	1	EA
43	610062	BOX VALVE, EXTENTION, 18 X 24 IN LONG, CMA 4232860	6	EA
90	610757	FITTING,CAP, END, LYCOFIT, 1/2 IN CTS X 0.090 IN THK WALL, PLASTIC, CMA 750823	4	EA
92	610763	FITTING,CAP, END, LYCOFIT, 2 IN IPS X 0.121 IN THK WALL instead of 2 IN CTS X 0.121 IN THK WALL, PLASTIC, SDR 11, CMA 750830	4	EA
98	610764	FITTING,COUPLING, PIPE, LYCOFIT, 1/2 IN CTS X 0.090 IN WALL THK, PLASTIC, CMA 21658100	4	EA
99	610772	FITTING,COUPLING, REPAIR, LYCOFIT, 2 IN IPS, PLASTIC, SDR 11, CMA 21658101	5	EA
47	611123	BOX, CP TEST, 5 IN, 18 IN SHAFT LENGTH, TERMINAL PLATE WALL THK 0.150 +- 0.015, ABS PLASTIC, W/ NON-LOCKING MAGNETIZED COVER, CMA 4232849	6	EA
1656	620089	FITTING,COUPLING, PIPE, LYCOFIT, 1 IN IPS SDR11, PLASTIC	1	EA
1653	620808	FITTING,CAP, LYCOFIT, 1 IN IPS SDR 11, PLASTIC, ASTM F1924	1	EA

WORTHINGTON ST, SPRINGFIELD — **COMPLETE BOM**

REQUIRED BILL OF MATERIALS

Item Number	Maximo Part Number	Description	Quantity	Units
17	500856	COUPLING,PIPE, 6 IN IPS, ELECTROFUSION, PLASTIC, P100	1	EA
51	500867	TEE,PIPE, NON-BLOWING, 4 X 1/2 IN CTS X 0.090 IN THK WALL SDR 7, ELECTROFUSION X COMPRESSION ENDS, LIGHT WALL, POLYETHYLENE, PE3408/PE100, 1	1	EA
55	500869	TEE,PIPE, NON-BLOWING, 6 X 1/2 IN CTS X 0.090 IN THK WALL SDR 7, ELECTROFUSION X COMPRESSION ENDS, LIGHT WALL, POLYETHYLENE, PE3408/PE100	3	EA
62	500870	TEE,PIPE, 6 X 2 IN IPS , ELECTROFUSION, PLASTIC, P100, W/ 1.8 IN PERF, 5/BOX	5	EA
377	505818	ANODE,BAG, 2.5 X 2.5 X 4.5 IN, 10 FT LG, 3 LB, MAGNESIUM, Alternate IN 577776	7	EA
370	513679	CABLE, INSULATED, MDP, #12 AWG, 7 STR, YELLOW, POLYETHYLENE-30, SOFT DRAWN CU, 500 FT/RL, FOR USED AS PIPE LOCATOR	3090	FT
10	542539	CAP,PIPE, 6 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	6	EA
8	542572	CAP,PIPE, 2 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	3	EA
226	542984	CLAMP,PIPE, REPAIR, 4 IN CIP , SS, W/1-1/4 NPT TAP, FOR 4.74 - 5.14 IN PIPE	5	EA
24	545339	ELBOW,PIPE, 45 DEG, 6 IN SDR 11, BUTT WELD ENDS, POLYETHYLENE, P100	4	EA
21	545342	ELBOW,PIPE, 90 DEG, 6 IN SDR 11, BUTT WELD ENDS, POLYETHYLENE, P100	4	EA
19	545367	ELBOW,PIPE, 90 DEG, 2 IN SDR 11, BUTT WELD ENDS, POLYETHYLENE, P100	1	EA
6	554009	PIPE, 6 IN IPS X 0.602 IN THK WALL SDR 11, 6.625 IN OD, 40 FT LG, POLYETHYLENE, PE3408/PE100	1041	FT
359	554877	PLUG,PIPE, SQUARE HEAD, SOLID, 1-1/4 IN, THREADED END, BLACK IRON, ANSI B1.20.1	13	EA
361	554878	PLUG,PIPE, SQUARE HEAD, SOLID, 2 IN, THREADED END, BLACK IRON, ANSI B1.20.1	5	EA
26	555593	REDUCER,PIPE, 4 X 2 IPS, BUTT ENDS, POLYETHYLENE, P100, SDR11	4	EA
27	555594	REDUCER,PIPE, 6 X 4 IPS, BUTT ENDS, P100, POLYETYLENE, SDR 11	4	EA
31	560680	TEE,PIPE, 6 IN SDR 11, BUTT ENDS, POLYETHYLENE, P100	4	EA
29	560705	TEE,PIPE, 2 IN IPS SDR 11, BUTT ENDS, POLYETHYLENE, P100	1	EA
33	562087	VALVE,BALL, 2 IN IPS, POLYETHYLENE, SDR 11, BUTT WELD, W/ FULL PORT OPENING	6	EA
368	565814	TAPE,WARNING, MARKED BURIED GAS LINE, 4 MIL, 1000 FT ROLL, 6 IN W, YELLOW, ISSUE EACH ROLL AS 1, T-01-A00,	4	RL
379	577776	ANODE,BAG, 17 LB NET, HIGH POTENTIAL MAGNESIUM, W/ 10 FT #10 AWG TW ORANGE LEAD WIRE, PACKED IN CARDBOARD BOX 42 LB TOTAL WEIGHT	2	EA
223	578017	CLAMP,PIPE, SERVI-SEAL REPAIR, 3 IN DIA, 9 IN LG, W/ 1-1/4 IN ID OUTLET, FOR CAST IRON PIPE, FITTING, ID 11633	10	EA
228	578020	FITTING,CLAMP, SERVI-SEAL REPAIR, 4 IN DIA, 9 IN LG, W/ 2 IN OUTLET, FOR CAST IRON PIPE	4	EA
232	578022	FITTING,CLAMP, SERVI-SEAL REPAIR, 6 IN DIA, 9 IN LG, W/ 2 IN OUTLET, FOR CAST IRON PIPE	1	EA
243	578126	FITTING,CAP, VENTED, INSULATED, SEAL AND RESTRAINT, 3.80 IN OD, FOR 3 IN CI PIPE, REPLACED IN 542551	2	EA
245	578128	FITTING,COUPLING, VENTED, SEAL & RESTRAINT, 4 IN, W/ END CAP , FOR CAST IRON PIPE	2	EA
3	592668	PIPE, 2 IN IPS X 0.216 IN THK WALL SDR 11, 2.375 IN OD, 350 FT LG COIL, POLYETHYLENE, PE3408/PE100	2049	FT

ISSUED FOR REVIEW

TRC
215 GREENFIELD PKY | Suite 102 | LIVERPOOL, NY 13088

Know what's **below.**
Call before you dig.

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
C	REVISE NEW MAIN ALIGNMENT	9/24/24	KMQ/AS
B	REVISED PER EGMA COMMENT	9/19/24	KMQ/AS
A	ISSUED FOR REVIEW	8/23/24	KMQ/AS

Revision/Status

EVERSOURCE ENERGY

WORTHINGTON ST, SPRINGFIELD, MA
PROJECT # 25EG041 / WORK ORDER # 17063912
NOTES
SCALE:1"=30' ON 22"X34" SHEET 02 OF 15

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 8/22/24	AS 8/23/24	MA-SPR-PIP-25-016-02	C

Attachment: MA-SPR-PIP-25-016 - Worthington St - FPO Drawing - RevC (8320 : Eversource Gas - Worthington Street)

DRAWING LEGEND

Gas Main Symbology

REGULATING STATION 50' BOUNDARY

EXISTING GAS MAIN

PROPOSED GAS MAIN

GAS MAIN TO BE ABANDONED

GAS MAIN WITH SERVICE TRANSFERS

GAS MAIN WITH PRESSURE INCREASE

RIGHT-OF-WAY

ELECTRIC

WATER LINE

SEWER LINE

TELEPHONE

DRAIN LINE

FENCE LINE

Gas Main Material/Pressure Label References

MATERIAL CODES

CS*	Coated Steel Gas Main
CI*	Cast Iron Gas Main
BS*	Bare Steel Gas Main
WI*	Wrought Iron Gas Main
PH*	High Density Polyethylene Gas Main
PM*	Medium Density Polyethylene Gas Main

PRESSURE CODES

*LP	Low Pressure (<0.5 PSIG or 14" W.C.)
*IP	Intermediate Pressure (>2 PSIG ≤ 10 PSIG)
*MP	Medium Pressure (>10 PSIG ≤ 60 PSIG)
*HP	High Pressure (>60 PSIG)

MISCELLANEOUS CODES

*-SER	Service
*-R	Riser
(TC)	Transmission Class

Gas Main Installation Method Label References

AT	Attached
BH	Bridge Hanger
BLGH	Building Hanger
DB	Directional Bore
IS	Inserted
OC	Open Cut
PB	Pneumatic Bore
PL	Plowed
RT	Roof Top
(E)	Existing
(P)	Proposed

Gas Facility Symbology

x"GV	Gas Valve
x"PV	Critical Gas Valve (Gate - GV, Plug - PV, PE Ball - BP, ST Ball - BV)
x"HVTT	High Volume Tapping Tee
x"SST	Pressure Control Fitting - ShortStopp Tee
x"SPH	Pressure Control Fitting - Spherical Tee
x"MF-BO	Pressure Control Fitting - Mueller Bottom-out
x"MF-SO	Pressure Control Fitting - Mueller Side-out
x"MF-FT	Pressure Control Fitting - Mueller Flange Tee
x"SS	Pressure Control Fitting - ShortStopp
x"MF	Pressure Control Fitting - Mueller Stopper
x"x x" POLYTAP	Polytapp Side Saddle Fitting
	Transition
	End Cap
	Riser
	Reducer
EM	Electronic Marker
TWS	Flush-mounted Tracer Wire Station
	Post Pipeline Marker with Tracer Wire
MM	Gas Main Marker without Tracer Wire
W	Test Well
R	Regulator Station
R	Single Customer Regulator
M	Meter
MR	Meter with Regulator
	Test Point (Station)
T	Gas Service Tie-over
R	Gas Service Replacement
MMO	Meter Move Out

Swing Tie Symbology

T	Telephone Manhole
D	Drain Manhole
E	Electric Manhole
	Catch Basis
S	Sewer Manhole
	Fire Hydrant
	Utility Pole
	Property Marker
T	Telephone Pedestal
C	Television Pedestal
U	Unknown Manhole
	Water Box
	Water Gate
E	Electric Pedestal
	Iron Pin
	Light Pole
	INSIDE METER
	OUTSIDE METER

ISSUED FOR REVIEW

TRC
215 GREENFIELD PKY | Suite 102 | LIVERPOOL, NY 13088

811 Know what's below. Call before you dig.

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EVERSOURCE ENERGY

WORTHINGTON ST, SPRINGFIELD, MA

PROJECT # 25EG041 / WORK ORDER # 17063912

LEGEND

SCALE: 1"=30' ON 22"X34" SHEET 03 OF 15

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 8/22/24	AS 8/23/24	MA-SPR-PIP-25-016-03	C

Worthington St - Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
C:\users\kquinton\projectwise\stu\d0394072\
Sep 24, 2024 - 1:43pm
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MATCH LINE - SHEET 5 OF 15

± OC~812'-2" PHMP

4'±

2'±

4" CILP

6" CILP

SEE DETAIL C
ON SHEET #9

4'±

OC~30'-2" PHMP

4" CILP

BOWDOIN ST

3'±

4'±

6" CILP

WORTHINGTON ST

4'±

OC~1,041'-6" PHMP

6" CILP

SEE DETAIL A
ON SHEET #7

3'±

7'±

WORTHINGTON ST

6" PHMP-2009

NOW OR FORMERLY
MHA TITLE HOLDING COMPANY
INC
PARCEL ID.: 016800015

NOW OR FORM
CRUZ-VELEZ LL
PARCEL ID.: 016

1 1/4" PL

2" ST

STONE BOUND
w/ DRILL HOLE

GRANITE
BOUND w/
DRILL HOLE

#1030 #1063 #104 #103 #1007 #1001 #968 #999 #167

KEY MAP
SCALE: N.T.S.

N

No.	Description	Date	Dw/Ck
C	REVISE NEW MAIN ALIGNMENT	9/24/24	KMQ/AS
B	REVISED PER EGMA COMMENT	9/19/24	KMQ/AS
A	ISSUED FOR REVIEW	8/23/24	KMQ/AS

Revision/Status

ISSUED FOR REVIEW

TRC
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811
Know what's below.
Call before you dig.

FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

EVERSOURCE ENERGY

WORTHINGTON ST, SPRINGFIELD, MA
PROJECT # 25EG041 / WORK ORDER # 17063912
PROJECT LOCATION PLANS
SCALE: 1"=30' ON 22"X34" SHEET 04 OF 15

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 8/22/24	AS 8/23/24	MA-SPR-PIP-25-016-04	C

Worthington St - Pro Drawing Rev0.dwg

EGMA DRAWING TEMPLATE - 02-09-2023

C:\users\kquinton\projectwise\fsld\d03940721

Sep 24, 2024 - 1:43pm

Attachment: MA-SPR-PIP-25-016 - Worthington St - FPO Drawing - RevC (8320 : Eversource Gas - Worthington Street)

MATCH LINE - SHEET 6 OF 15

KEY MAP
SCALE: N.T.S.

BOWDOIN ST
FLORIDA ST
WORTHINGTON ST

OC~812'-2" PHMP
OC~861'-2" PHMP
OC~1,041'-6" PHMP
OC~35'-2" PHMP

SEE DETAIL E ON SHEET #11
SEE DETAIL B ON SHEET #8

4" CILP
3" CILP
6" PHLP-2008
6" CILP

MATCH LINE - SHEET 4 OF 15

No.	Description	Date	Dw/Ck
C	REVISE NEW MAIN ALIGNMENT	9/24/24	KMQ/AS
B	REVISED PER EGMA COMMENT	9/19/24	KMQ/AS
A	ISSUED FOR REVIEW	8/23/24	KMQ/AS

Revision/Status

ISSUED FOR REVIEW

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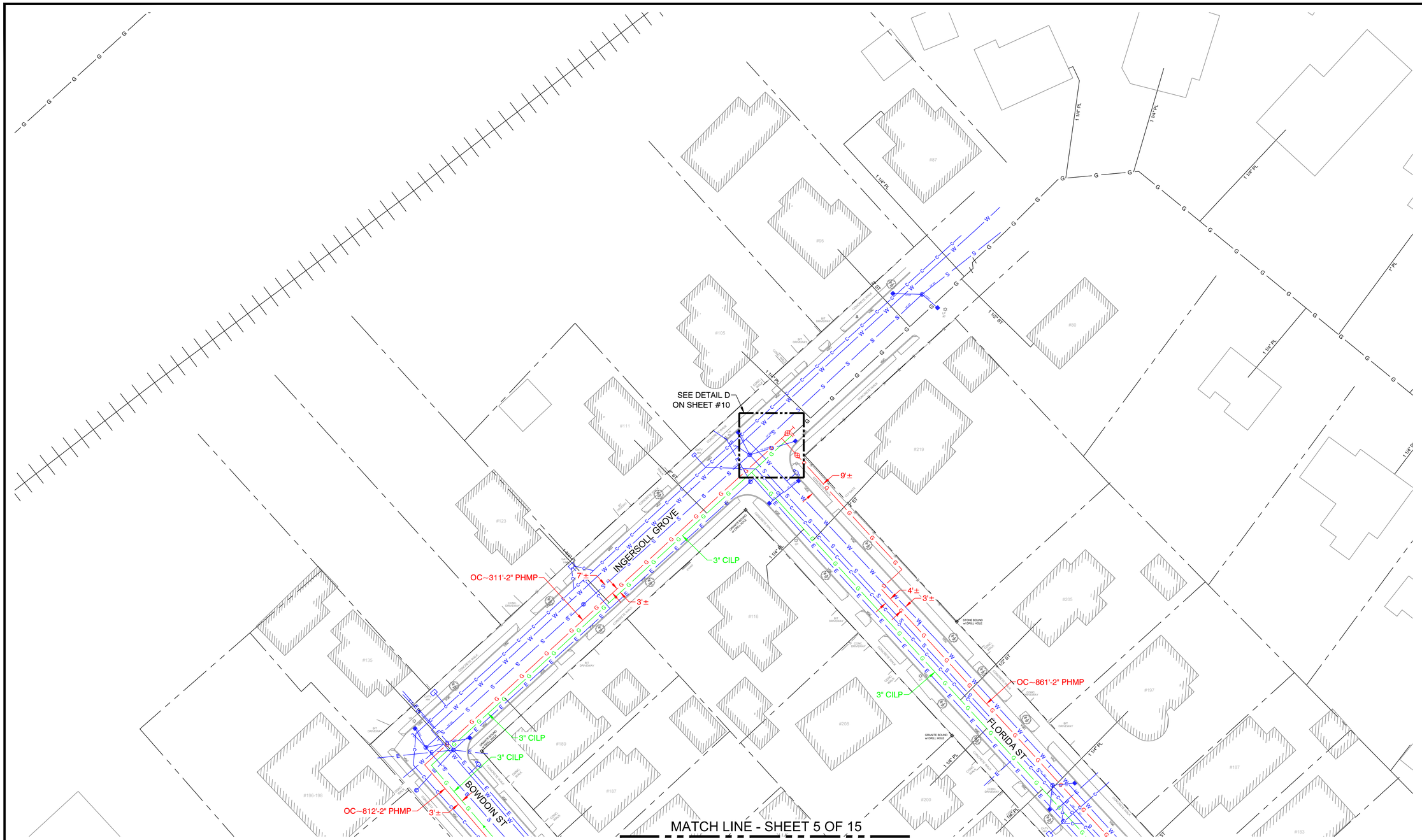
FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

EVERSOURCE ENERGY

WORTHINGTON ST, SPRINGFIELD, MA
PROJECT # 25EG041 / WORK ORDER # 17063912
PROJECT LOCATION PLANS
SCALE: 1"=30' ON 22"X34" SHEET 05 OF 15

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 8/22/24	AS 8/23/24	MA-SPR-PIP-25-016-05	C

Worthington St - Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
C:\users\kquinton\projectwise\fsld\d0394072\
Sep 24, 2024 - 1:43pm
Attachment: MA-SPR-PIP-25-016 - Worthington St - FPO Drawing - RevC (8320 : Eversource Gas - Worthington Street)



KEY MAP
SCALE: N.T.S.

No.	Description	Date	Dw/Ck
C	REVISE NEW MAIN ALIGNMENT	9/24/24	KMQ/AS
B	REVISED PER EGMA COMMENT	9/19/24	KMQ/AS
A	ISSUED FOR REVIEW	8/23/24	KMQ/AS

Revision/Status

ISSUED FOR REVIEW

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FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

EVERSOURCE ENERGY
WORTHINGTON ST, SPRINGFIELD, MA
PROJECT # 25EG041 / WORK ORDER # 17063912
PROJECT LOCATION PLANS
SCALE: 1"=30' ON 22"X34" SHEET 06 OF 15

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 8/22/24	AS 8/23/24	MA-SPR-PIP-25-016-06	C

Worthington St - Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
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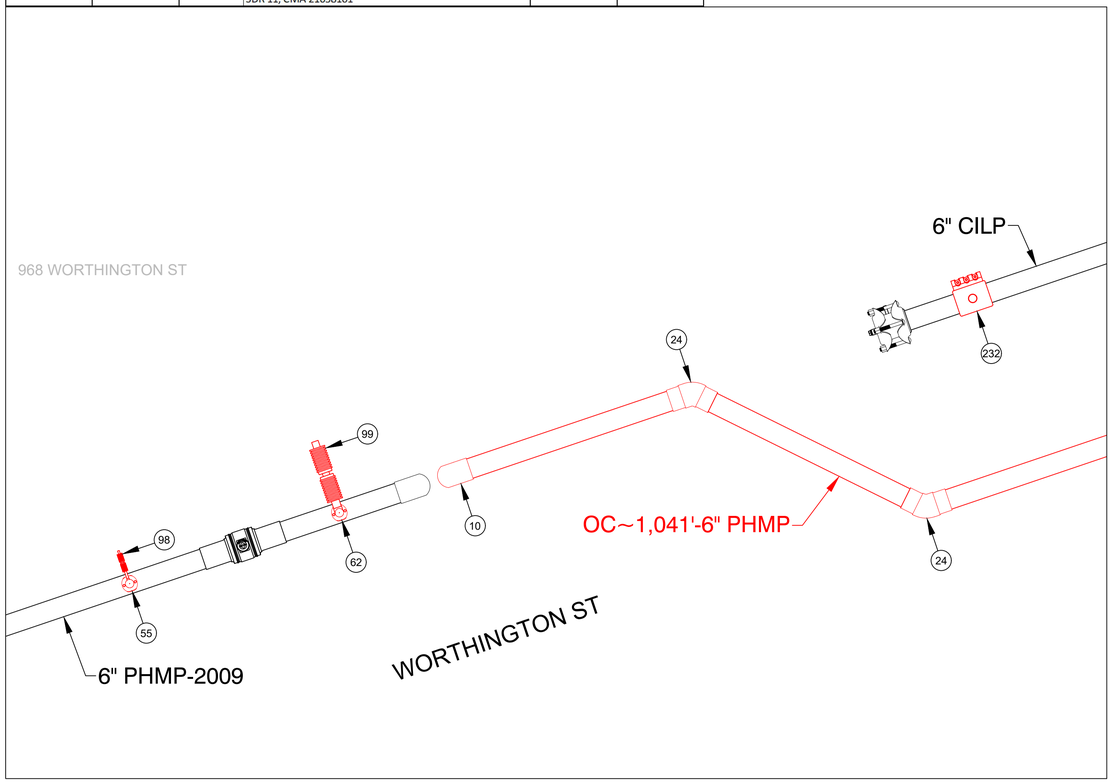
Sep 24, 2024 - 1:43pm

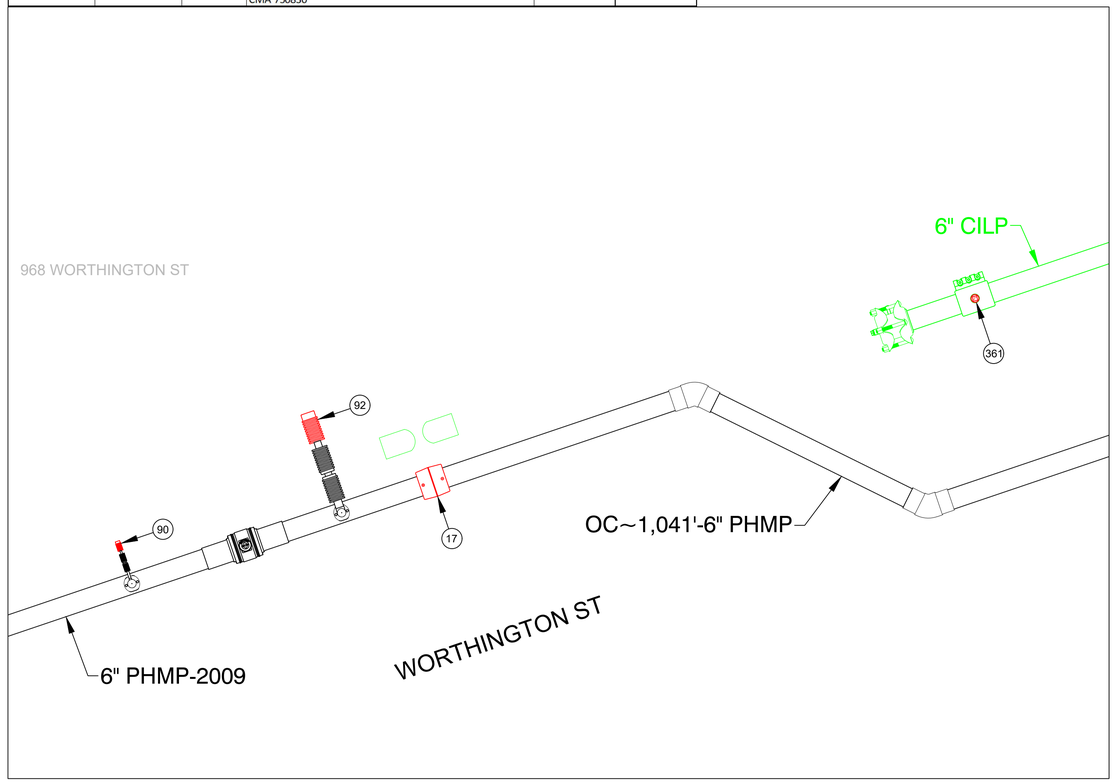
Attachment: MA-SPR-PIP-25-016 - Worthington St - FPO Drawing - RevC (8320 : Eversource Gas - Worthington Street)

WORTHINGTON ST, SPRINGFIELD				DETAIL "A" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
10	63078054	542539	CAP,PIPE, 6 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	1	EA
232	63462159	578022	FITTING,CLAMP, SERVI-SEAL REPAIR, 6 IN DIA, 9 IN LG, W/ 2 IN OUTLET, FOR CAST IRON PIPE	1	EA
24	63078246	545339	ELBOW,PIPE, 45 DEG, 6 IN SDR 11, BUTT WELD ENDS, POLYETHYLENE, P100	2	EA
55	63051277	500869	TEE,PIPE, NON-BLOWING, 6 X 1/2 IN CTS X 0.090 IN THK WALL SDR 7, ELECTROFUSION X COMPRESSION ENDS, LIGHT WALL, POLYETHYLENE, PE3408/PE100	1	EA
62	63051389	500870	TEE,PIPE, 6 X 2 IN IPS , ELECTROFUSION, PLASTIC, P100, W/ 1.8 IN PERF, 5/BOX	1	EA
98	63424035	610764	FITTING,COUPLING, PIPE, LYCOFIT, 1/2 IN CTS X 0.090 IN WALL THK, PLASTIC, CMA 21658100	1	EA
99	63424109	610772	FITTING,COUPLING, REPAIR, LYCOFIT, 2 IN IPS, PLASTIC, SDR 11, CMA 21658101	1	EA



PREPARATORY TIE-IN DETAIL A
NOT TO SCALE

WORTHINGTON ST, SPRINGFIELD				DETAIL "A" FINAL	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
17	63051039	500856	COUPLING,PIPE, 6 IN IPS, ELECTROFUSION, PLASTIC, P100	1	EA
361	19080340	554878	PLUG,PIPE, SQUARE HEAD, SOLID, 2 IN, THREADED END, BLACK IRON, ANSI B1.20.1	1	EA
90	63424221	610757	FITTING,CAP, END, LYCOFIT, 1/2 IN CTS X 0.090 IN THK WALL, PLASTIC, CMA 750823	1	EA
92	63424023	610763	FITTING,CAP, END, LYCOFIT, 2 IN IPS X 0.121 IN THK WALL instead of 2 IN CTS X 0.121 IN THK WALL, PLASTIC, SDR 11, CMA 750830	1	EA



FINAL TIE-IN DETAIL A
NOT TO SCALE

No.	Description	Date	Dw/Ck
C	REVISE NEW MAIN ALIGNMENT	9/24/24	KMQ/AS
B	REVISED PER EGMA COMMENT	9/19/24	KMQ/AS
A	ISSUED FOR REVIEW	8/23/24	KMQ/AS

Revision/Status

ISSUED FOR REVIEW

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FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

EVERSOURCE ENERGY

WORTHINGTON ST, SPRINGFIELD, MA

PROJECT # 25EG041 / WORK ORDER # 17063912

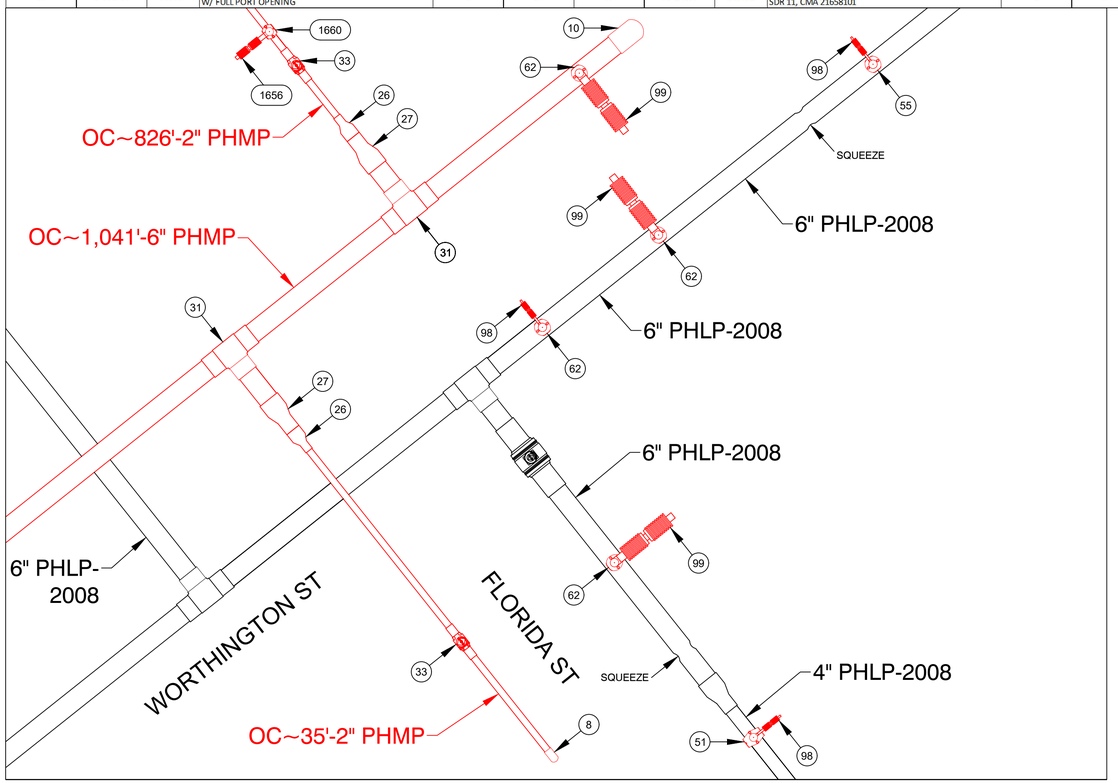
PREPARATORY AND FINAL TIE-IN DETAILS

SCALE:1"=30' ON 22"X34" SHEET 07 OF 15

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 8/22/24	AS 8/23/24	MA-SPR-PIP-25-016-07	C

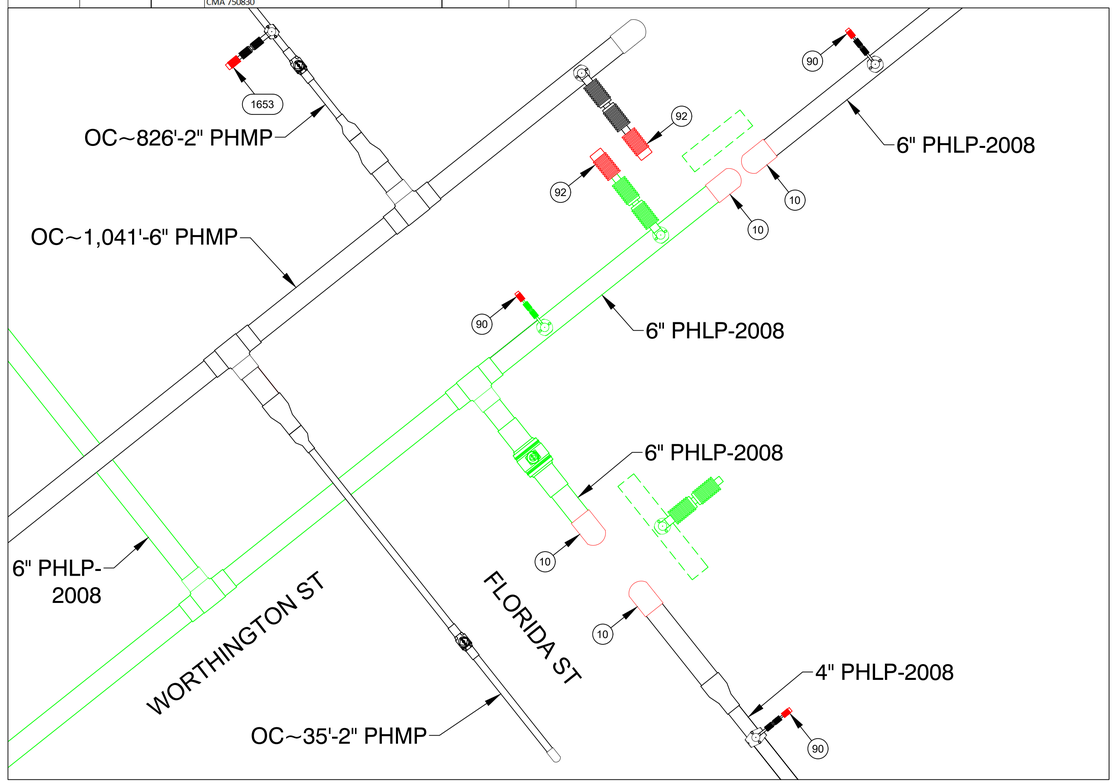
Worthington St - Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
C:\users\kquinton\projectwise\wa\d0394072\
Sep 24, 2024 - 1:43pm
Attachment: MA-SPR-PIP-25-016 - Worthington St - FPO Drawing - RevC (8320 : Eversource Gas - Worthington Street)

WORTHINGTON ST, SPRINGFIELD					DETAIL "B" PREPARATORY
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
10	63078054	542539	CAP,PIPE, 6 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	1	EA
1656	MCJUREMA-000	620089	FITTING,COUPLING, PIPE, LYCOFIT, 1 IN IPS SDR11, PLASTIC	1	EA
1660	MCJUREMA-000	602892	FITTING,TEE, 2 IN IPS X 1 IN IPS, ELECTROFUSION, HDPE, WITH BUTT FUSION OUTLET, HDPE, BLACK, ASTM F1055	1	EA
26	63078377	555593	REDUCER,PIPE, 4 X 2 IPS, BUTT ENDS, POLYETHYLENE, P100, SDR11	2	EA
27	63078395	555594	REDUCER,PIPE, 6 X 4 IPS, BUTT ENDS, P100, POLYETYLENE, SDR 11	2	EA
31	63078458	560680	TEE,PIPE, 6 IN SDR 11, BUTT ENDS, POLYETHYLENE, P100	2	EA
33	14281726	562087	VALVE,BALL, 2 IN IPS, POLYETHYLENE, SDR 11, BUTT WELD, W/ FULL PORT OPENING	2	EA
51	63051253	500867	TEE,PIPE, NON-BLOWING, 4 X 1/2 IN CTS X 0.090 IN THK WALL SDR 7, ELECTROFUSION X COMPRESSION ENDS, LIGHT WALL, POLYETHYLENE, PE3408/PE100, 1	1	EA
55	63051277	500869	TEE,PIPE, NON-BLOWING, 6 X 1/2 IN CTS X 0.090 IN THK WALL SDR 7, ELECTROFUSION X COMPRESSION ENDS, LIGHT WALL, POLYETHYLENE, PE3408/PE100	2	EA
62	63051389	500870	TEE,PIPE, 6 X 2 IN IPS , ELECTROFUSION, PLASTIC, P100, W/ 1.8 IN PERF, 5/BOX	3	EA
8	63078024	542572	CAP,PIPE, 2 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	1	EA
98	63424035	610764	FITTING,COUPLING, PIPE, LYCOFIT, 1/2 IN CTS X 0.090 IN WALL THK, PLASTIC, CMA 21658100	3	EA
99	63424109	610772	FITTING,COUPLING, REPAIR, LYCOFIT, 2 IN IPS, PLASTIC, SDR 11, CMA 21658101	3	EA



PREPARATORY TIE-IN DETAIL B
NOT TO SCALE

WORTHINGTON ST, SPRINGFIELD					DETAIL "B" FINAL
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
10	63078054	542539	CAP,PIPE, 6 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	4	EA
1653	MCJUREMA-000	620808	FITTING,CAP, LYCOFIT, 1 IN IPS SDR 11, PLASTIC, ASTM F1924	1	EA
90	63424221	610757	FITTING,CAP, END, LYCOFIT, 1/2 IN CTS X 0.090 IN THK WALL, PLASTIC, CMA 750823	3	EA
92	63424023	610763	FITTING,CAP, END, LYCOFIT, 2 IN IPS X 0.121 IN THK WALL instead of 2 IN CTS X 0.121 IN THK WALL, PLASTIC, SDR 11, CMA 750830	2	EA



FINAL TIE-IN DETAIL B
NOT TO SCALE

ISSUED FOR REVIEW

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FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
C	REVISE NEW MAIN ALIGNMENT	9/24/24	KMQ/AS
B	REVISED PER EGMA COMMENT	9/19/24	KMQ/AS
A	ISSUED FOR REVIEW	8/23/24	KMQ/AS

Revision/Status

EVERSOURCE ENERGY

WORTHINGTON ST, SPRINGFIELD, MA
PROJECT # 25EG041 / WORK ORDER # 17063912
PREPARATORY AND FINAL TIE-IN DETAILS
SCALE:1"=30' ON 22"X34" SHEET 08 OF 15

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 8/22/24	AS 8/23/24	MA-SPR-PIP-25-016-08	C

EGMA DRAWING TEMPLATE - 02-09-2023
Worthington St - Pro Drawing Rev0.dwg
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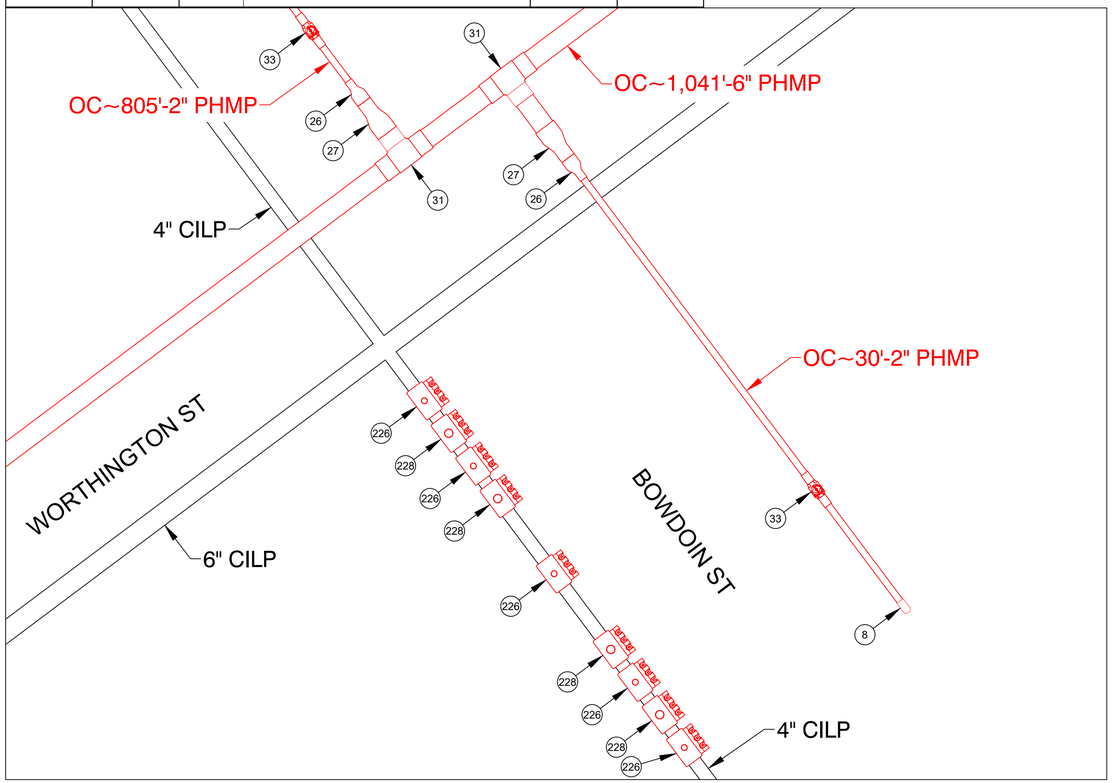
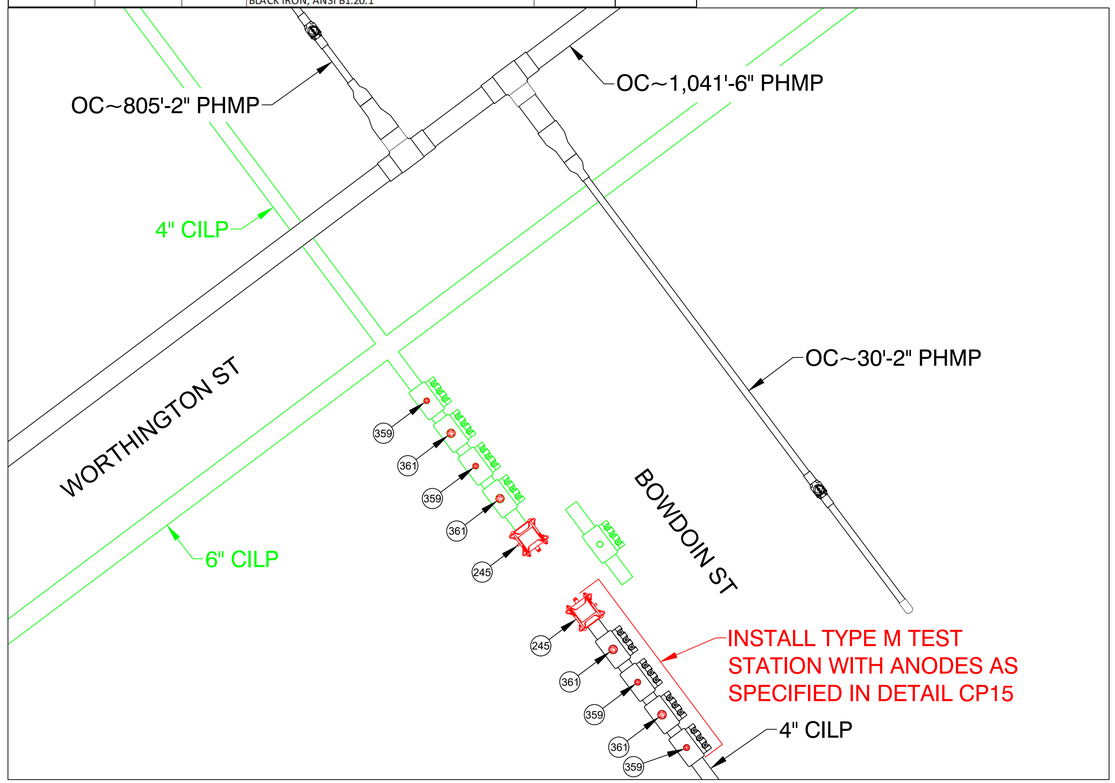
Sep 24, 2024 - 1:43pm
Attachment: MA-SPR-PIP-25-016 - Worthington St - FPO Drawing - RevC (8320 : Eversource Gas - Worthington Street)

WORTHINGTON ST, SPRINGFIELD				DETAIL "C" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
226	63462109	542984	CLAMP,PIPE, REPAIR, 4 IN CIP , SS, W/1-1/4 NPT TAP, FOR 4.74 - 5.14 IN PIPE	5	EA
228	63462113	578020	FITTING,CLAMP, SERVI-SEAL REPAIR, 4 IN DIA, 9 IN LG, W/ 2 IN OUTLET, FOR CAST IRON PIPE	4	EA
26	63078377	555593	REDUCER,PIPE, 4 X 2 IPS, BUTT ENDS, POLYETHYLENE, P100, SDR11	2	EA
27	63078395	555594	REDUCER,PIPE, 6 X 4 IPS, BUTT ENDS, P100, POLYETYLENE, SDR 11	2	EA
31	63078458	560680	TEE,PIPE, 6 IN SDR 11, BUTT ENDS, POLYETHYLENE, P100	2	EA
33	14281726	562087	VALVE,BALL, 2 IN IPS, POLYETHYLENE, SDR 11, BUTT WELD, W/ FULL PORT OPENING	2	EA
8	63078024	542572	CAP,PIPE, 2 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	1	EA



PREPARATORY TIE-IN DETAIL C
NOT TO SCALE

WORTHINGTON ST, SPRINGFIELD				DETAIL "C" FINAL	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
245	63481719	578128	FITTING,COUPLING, VENTED, SEAL & RESTRAINT, 4 IN, W/ END CAP , FOR CAST IRON PIPE	2	EA
359	19080285	554877	PLUG,PIPE, SQUARE HEAD, SOLID, 1-1/4 IN, THREADED END, BLACK IRON, ANSI B1.20.1	4	EA
361	19080340	554878	PLUG,PIPE, SQUARE HEAD, SOLID, 2 IN, THREADED END, BLACK IRON, ANSI B1.20.1	4	EA



FINAL TIE-IN DETAIL C
NOT TO SCALE

No.	Description	Date	Dw/Ck
C	REVISE NEW MAIN ALIGNMENT	9/24/24	KMQ/AS
B	REVISED PER EGMA COMMENT	9/19/24	KMQ/AS
A	ISSUED FOR REVIEW	8/23/24	KMQ/AS

Revision/Status

EVERSOURCE ENERGY

WORTHINGTON ST, SPRINGFIELD, MA

PROJECT # 25EG041 / WORK ORDER # 17063912

PREPARATORY AND FINAL TIE-IN DETAILS

SCALE: 1"=30' ON 22"X34" SHEET 09 OF 15

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 8/22/24	AS 8/23/24	MA-SPR-PIP-25-016-09	C

ISSUED FOR REVIEW

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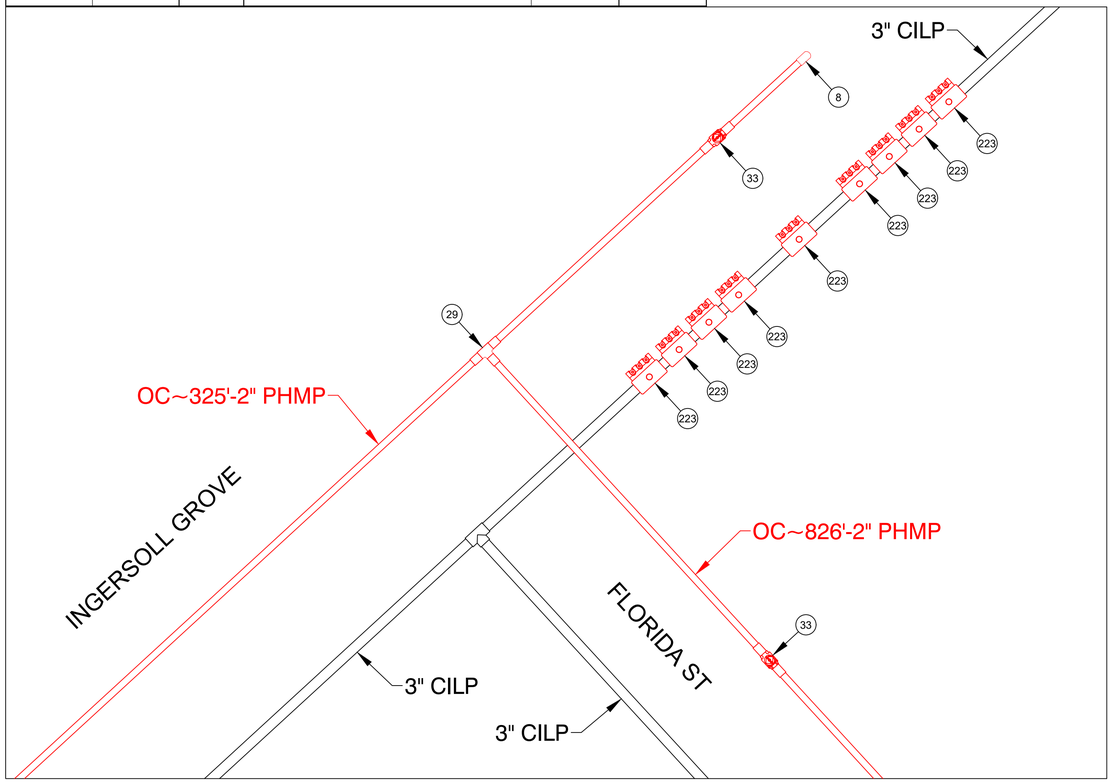
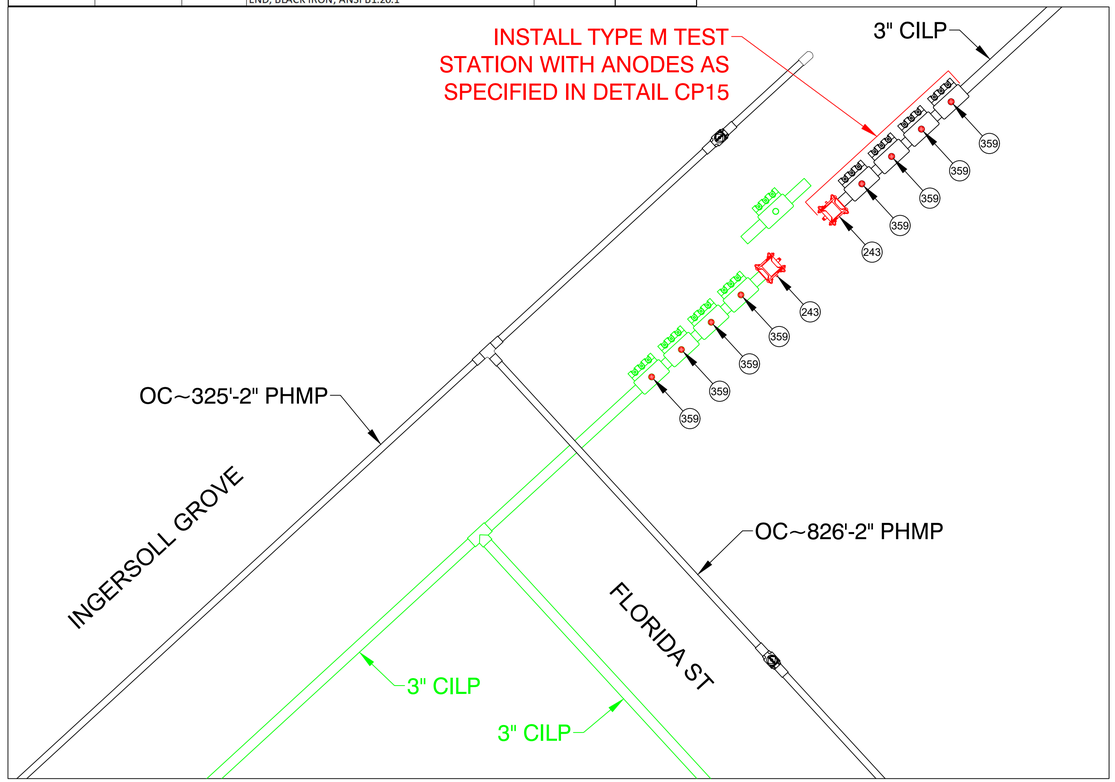
Worthington St - Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
C:\users\kquinton\projectwise\fsfs\d0394072\
Sep 24, 2024 - 1:43pm
Attachment: MA-SPR-PIP-25-016 - Worthington St - FPO Drawing - RevC (8320 : Eversource Gas - Worthington Street)

WORTHINGTON ST, SPRINGFIELD					DETAIL "D" PREPARATORY
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
223	63462217	578017	CLAMP,PIPE, SERVI-SEAL REPAIR, 3 IN DIA, 9 IN LG, W/ 1-1/4 IN ID OUTLET, FOR CAST IRON PIPE, FITTING, ID 11633	9	EA
29	63078441	560705	TEE,PIPE, 2 IN IPS SDR 11, BUTT ENDS, POLYETHYLENE, P100	1	EA
33	14281726	562087	VALVE,BALL, 2 IN IPS, POLYETHYLENE, SDR 11, BUTT WELD, W/ FULL PORT OPENING	2	EA
8	63078024	542572	CAP,PIPE, 2 IN IPS SDR 11, BUTT END, POLYETHYLENE, P100	1	EA



PREPARATORY TIE-IN DETAIL D
NOT TO SCALE

WORTHINGTON ST, SPRINGFIELD					DETAIL "D" FINAL
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
243	63481717	578126	FITTING,CAP, VENTED, INSULATED, SEAL AND RESTRAINT, 3.80 IN OD, FOR 3 IN CI PIPE, REPLACED IN 542551	2	EA
359	19080285	554877	PLUG,PIPE, SQUARE HEAD, SOLID, 1-1/4 IN, THREADED END, BLACK IRON, ANSI B1.20.1	8	EA



FINAL TIE-IN DETAIL D
NOT TO SCALE

ISSUED FOR REVIEW

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FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
C	REVISE NEW MAIN ALIGNMENT	9/24/24	KMQ/AS
B	REVISED PER EGMA COMMENT	9/19/24	KMQ/AS
A	ISSUED FOR REVIEW	8/23/24	KMQ/AS

Revision/Status

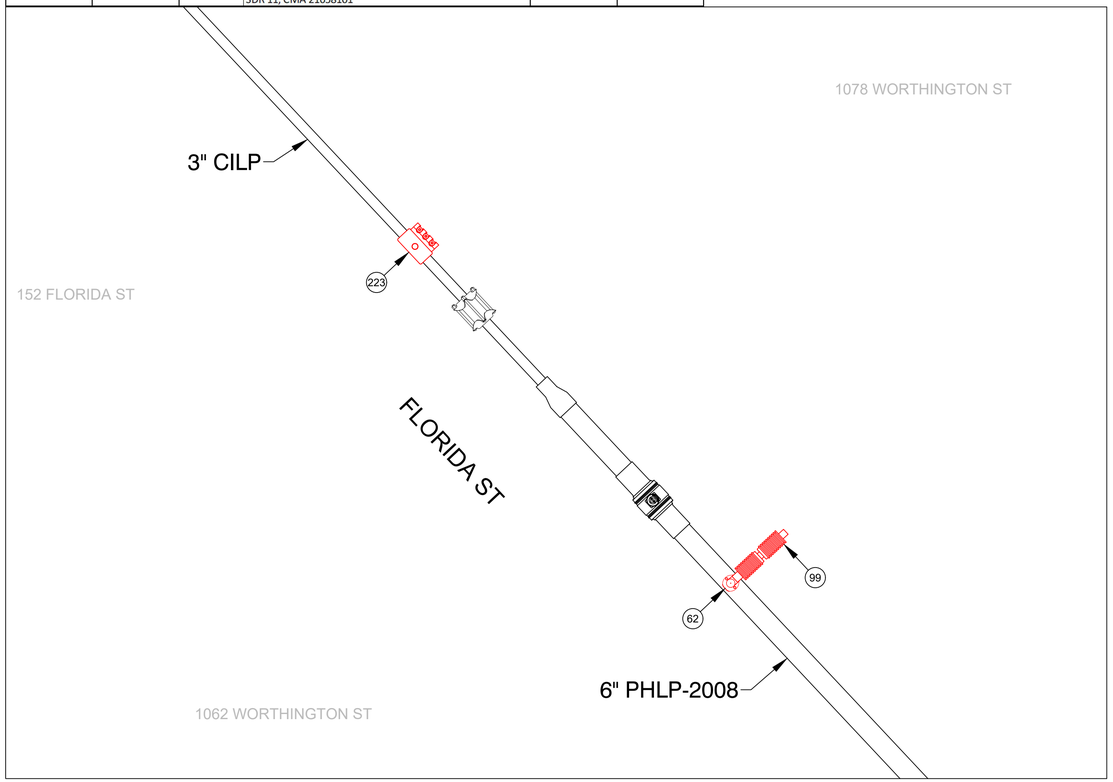
EVERSOURCE ENERGY

WORTHINGTON ST, SPRINGFIELD, MA
PROJECT # 25EG041 / WORK ORDER # 17063912
PREPARATORY AND FINAL TIE-IN DETAILS
SCALE: 1"=30' ON 22"X34" SHEET 10 OF 15

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 8/22/24	AS 8/23/24	MA-SPR-PIP-25-016-10	C

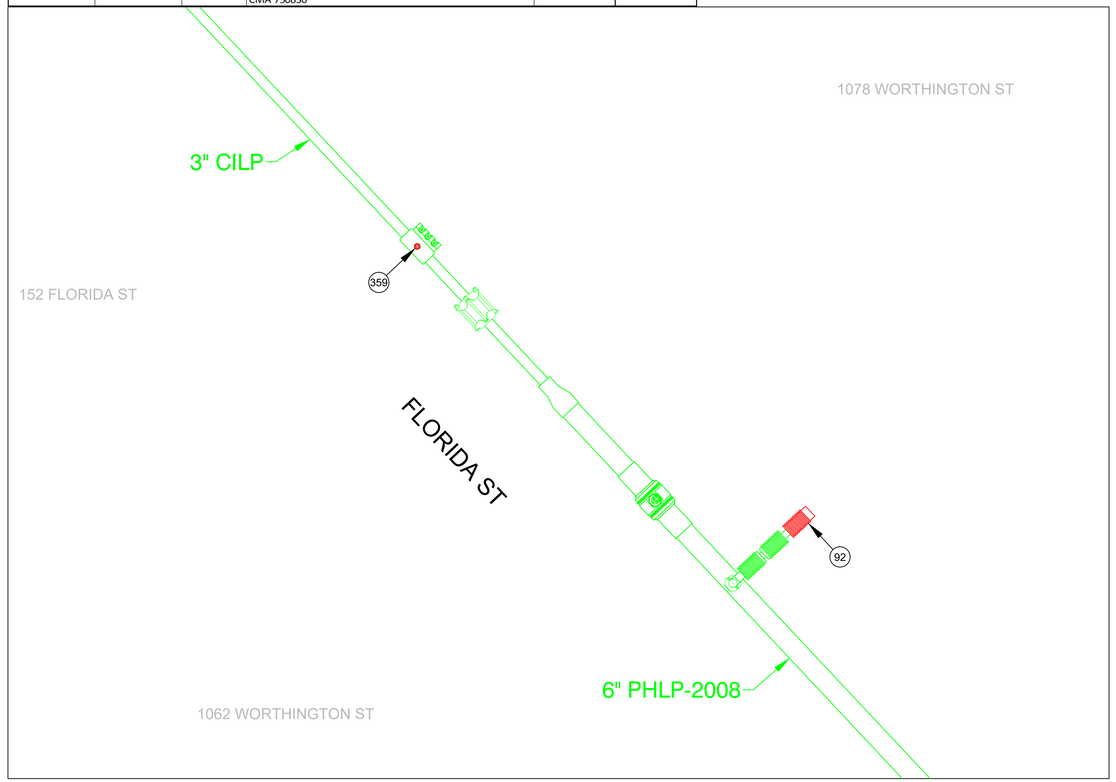
Worthington St - Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
C:\users\kquinton\projectwise\fsl\d0394072\
Sep 24, 2024 - 1:43pm
Attachment: MA-SPR-PIP-25-016 - Worthington St - FPO Drawing - RevC (8320 : Eversource Gas - Worthington Street)

WORTHINGTON ST, SPRINGFIELD				DETAIL "E" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
223	63462217	578017	CLAMP,PIPE, SERVI-SEAL REPAIR, 3 IN DIA, 9 IN LG, W/ 1-1/4 IN ID OUTLET, FOR CAST IRON PIPE, FITTING, ID 11633	1	EA
62	63051389	500870	TEE,PIPE, 6 X 2 IN IPS , ELECTROFUSION, PLASTIC, P100, W/ 1.8 IN PERF, 5/BOX	1	EA
99	63424109	610772	FITTING,COUPLING, REPAIR, LYCOFIT, 2 IN IPS, PLASTIC, SDR 11, CMA 21658101	1	EA



PREPARATORY TIE-IN DETAIL E
NOT TO SCALE

WORTHINGTON ST, SPRINGFIELD				DETAIL "E" FINAL	
REQUIRED BILL OF MATERIALS					
Item Number	**MRC Stock Number**	**Maximo Part Number**	**Description**	**Quantity**	**Units**
359	19080285	554877	PLUG,PIPE, SQUARE HEAD, SOLID, 1-1/4 IN, THREADED END, BLACK IRON, ANSI B1.20.1	1	EA
92	63424023	610763	FITTING,CAP, END, LYCOFIT, 2 IN IPS X 0.121 IN THK WALL instead of 2 IN CTS X 0.121 IN THK WALL, PLASTIC, SDR 11, CMA 750830	1	EA



FINAL TIE-IN DETAIL E
NOT TO SCALE

No.	Description	Date	Dw/Ck
C	REVISE NEW MAIN ALIGNMENT	9/24/24	KMQ/AS
B	REVISED PER EGMA COMMENT	9/19/24	KMQ/AS
A	ISSUED FOR REVIEW	8/23/24	KMQ/AS

Revision/Status

ISSUED FOR REVIEW

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Know what's below.
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FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

EVERSOURCE ENERGY

WORTHINGTON ST, SPRINGFIELD, MA

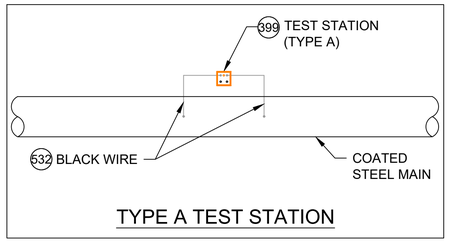
PROJECT # 25EG041 / WORK ORDER # 17063912

PREPARATORY AND FINAL TIE-IN DETAILS

SCALE:1"=30' ON 22"X34" SHEET 11 OF 15

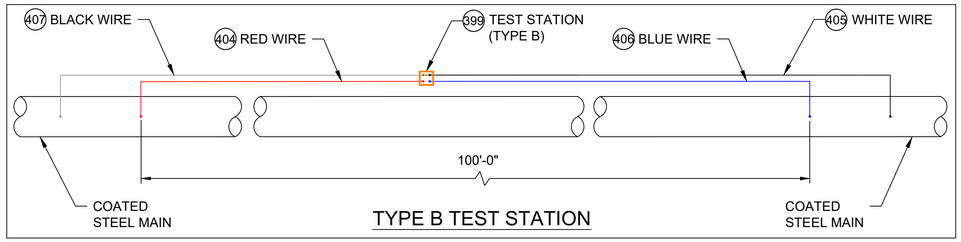
Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 8/22/24	AS 8/23/24	MA-SPR-PIP-25-016-11	C

Worthington St - Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
C:\users\kquinton\projectwise\fs\d\03940720\
Sep 24, 2024 - 1:43pm
Attachment: MA-SPR-PIP-25-016 - Worthington St - FPO Drawing - RevC (8320 : Eversource Gas - Worthington Street)



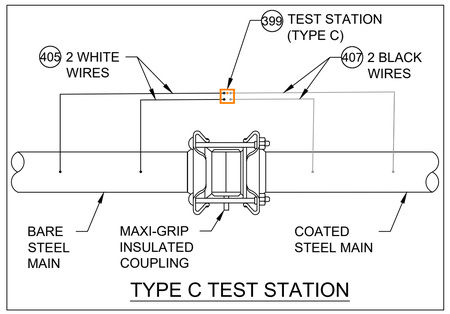
TYPE A TEST STATION

DETAIL CP1
SCALE: 1/2" = 1'-0"



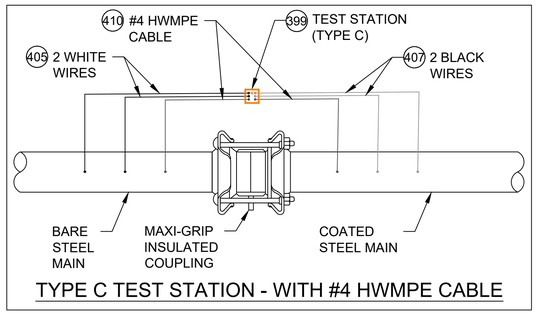
TYPE B TEST STATION

DETAIL CP2
SCALE: 1/2" = 1'-0"



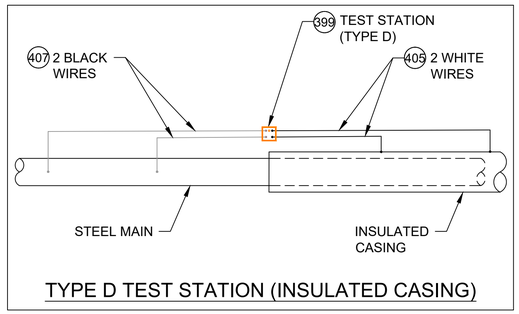
TYPE C TEST STATION

DETAIL CP3
SCALE: 1/2" = 1'-0"



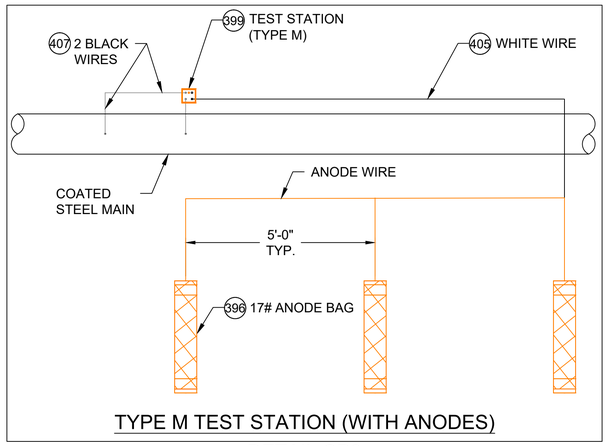
TYPE C TEST STATION - WITH #4 HWMPE CABLE

DETAIL CP4
SCALE: 1/2" = 1'-0"



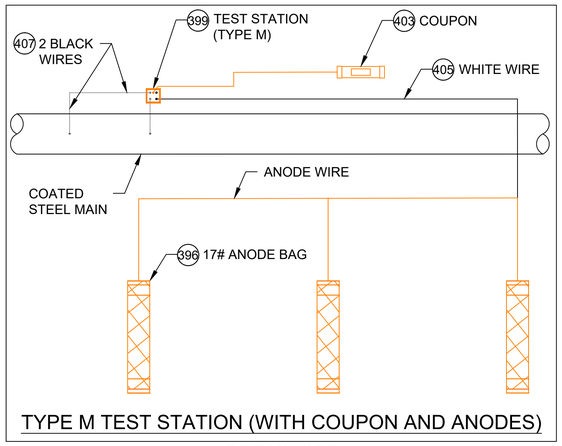
TYPE D TEST STATION (INSULATED CASING)

DETAIL CP5
SCALE: 1/2" = 1'-0"



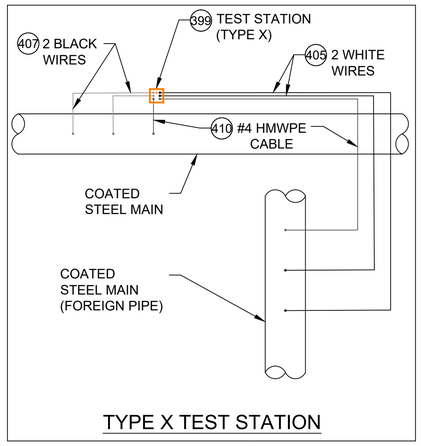
TYPE M TEST STATION (WITH ANODES)

DETAIL CP6
SCALE: 1/2" = 1'-0"



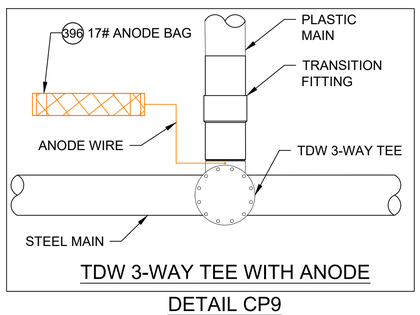
TYPE M TEST STATION (WITH COUPON AND ANODES)

DETAIL CP7
SCALE: 1/2" = 1'-0"



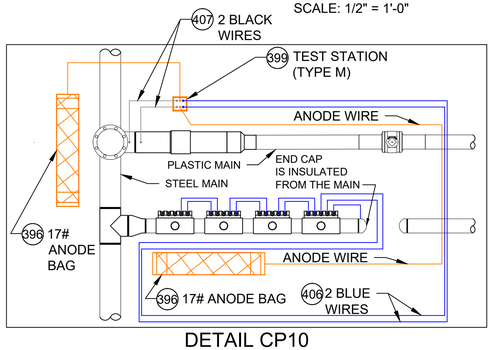
TYPE X TEST STATION

DETAIL CP8
SCALE: 1/2" = 1'-0"

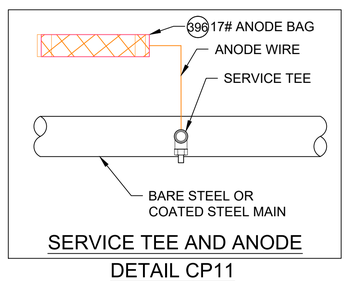


TDW 3-WAY TEE WITH ANODE

DETAIL CP9
SCALE: 1/2" = 1'-0"



DETAIL CP10
SCALE: 1/2" = 1'-0"



SERVICE TEE AND ANODE

DETAIL CP11
SCALE: 1/2" = 1'-0"

CATHODIC PROTECTION BILL OF MATERIALS

ITEM	MAXIMO NO.	DESCRIPTION	UNITS
396	577776	ANODE,BAG, 17 LB NET, HIGH POTENTIAL MAGNESIUM, W/ 10 FT #10 AWG TW ORANGE LEAD WIRE. PACKED IN CARDBOARD BOX 42 LB TOTAL WEIGHT	EA
397	409626	CONNECTOR, SPLIT BOLT, 12 SOLID - 10 STRANDED, CU TO CU, HOUSING (COVER) MATE IN 590389.	EA
398	590389	HOUSING, 50 V MAX, 10 AWG MAX, FOR PROTECTING TRACER WIRE SPLICES, USED WITH CONNECTOR IN 409626. 10/BAG	EA
399	590871	BOX VALVE, TEST STATION, CP TEST #178, 10-1/4 IN DIA. LID, 8-3/8 IN I.D. 16 IN H., ASTM A48 CL 25 CAST IRON, FOR OFF-ROAD USE ONLY	EA
400	400567	POWDER, CARTRIDGE, TYPE IS F-33, ALLOY , CAP COLOR CLEAR, 15 GM CHARGE, 20/PAC, FOR STEEL PIPE	BOX
401	559168	SLEEVE,ELECTRICAL, #14 TO 10 AWG, W/ THERMITE WELDER, FOR CATHODIC PROTECTION	EA
402	584045	EDI CONCENTRIC COUPON ASSEMBLY INCLUDING UCB-ZIN-LW010, 10 FT OF CABLE	ES
403	603126	EDI CONCENTRIC COUPON ASSEMBLY INCLUDING UCB-ZIN-LW025, 25 FT OF CABLE	ES
404	603140	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, RED, INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
405	578415	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, WHITE, INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
406	603141	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, BLUE INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
407	603139	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, BLACK, INSULATED, CU, 500 FT SPOOL,WIRE	ROLL
408	500804	WELDER,THERMITE, THERMITE, FOR GAS PIPE, #12 CABLE,HORIZONTAL STEEL PIPE 4 IN AND LARGER DIAMETER	EA
409	500805	WELDER,THERMITE, THERMITE, FOR GAS PIPE, #12 CABLE, HORIZONTAL STEEL PIPE 3/4 - 3-1/2 IN DIAMETER	EA
410	405850	CABLE, INSULATED, CATHODIC PROTECTION, 1/C, #4 AWG, 7 STR, 600 V, BLACK, HMWPE, CU, 1000 FT ROLLS	FT
411	397818	ANODE,BAG, 2.5 X 2.5 X 4.5 IN, 10 FT LG, 3 LB, MAGNESIUM, Alternate IN 577776	EA
577	603769	TRENTON-FILL POR PM-GP, 140 FA, FOR FILLING VOIDS & IRREGULAR SPACES PRIOR TO WRAPPING W/WAX TAPE, 0F TO 110F APPLICATION TEMPERATURE, 6 BLOCKS/CASE,	CASE
575	400572	PRIMER, 4 GAL/CASE, BROWN, FOR WAX TAPE, APPLICATION TEMP 0 TO 230 F, TEMCOAT 3000	EA
576	503673	TAPE,WAX, 9 FT LG X 4 IN W, 24 ROLLS/CS, ABOVE AND BELOW GROUND APPLICATIONS, TR-#2A WAX, ALUMINUM	ROLL
697	603423	TAPE,WAX, 9 FT LG X 6 IN W X 70-90 MIL THK, 16 ROLLS/CS, ABOVE AND BELOW GROUND APPLICATIONS, TR-#2A WAX, ALUMINUM	ROLL

NOTES:

1. ALL TEST STATION BOXES SHOULD BE INSTALLED IN A SAFE LOCATION WHERE ONE INDIVIDUAL CAN SAFELY OPEN AND ACCESS THE TEST WIRES. ALL TEST WIRES INSIDE THE BOX SHOULD HAVE ENOUGH SLACK ON THE WIRES SO THEY CAN EXTEND A MINIMUM OF 12" ABOVE GRADE.
2. FOR TYPE A TEST STATIONS, THE TWO WIRES SHOULD BE THERMITE WELDED TO THE COATED STEEL MAIN AND BE THE SAME COLOR. (COUPONS COULD BE ADDED TO THE TEST STATION TYPE).
3. FOR TYPE B TEST STATIONS, EACH OF THE FOUR WIRES SHOULD BE A DIFFERENT COLOR AND DOCUMENTED
4. FOR TYPE C TEST STATIONS, THE WIRES SHOULD BE THE SAME COLOR ON EACH SIDE OF THE INSULATED COUPLING. (ANODES AND/OR COUPONS COULD BE ADDED TO THIS TEST STATION TYPE).
5. FOR TYPE D TEST STATIONS WHICH ARE AT A CASING, WHITE WIRES ARE NORMALLY INSTALLED ON THE STEEL CASING AND BLACK WIRES ARE INSTALLED ON THE CARRIER PIPE. (ANODES AND/OR COUPONS COULD BE ADDED TO THIS TEST STATION TYPE).
6. FOR TYPE M TEST STATIONS, THE TWO WIRES THERMITE WELDED TO THE CARRIER PIPE SHOULD BE THE SAME COLOR WIRE. THERE IS ALSO MAGNESIUM ANODE(S) WIRE(S) LOCATED INSIDE THE TEST STATION BOX.THE WIRE COLOR (TYPICALLY ORANGE) FOR THE ANODES. IF THE ANODE WIRES ARE SPLICED TO A COMMON ANODE HEADER CABLE, THE ANODE HEADER CABLE SHOULD BE A (WHITE OR RED) DIFFERENT COLOR WIRE THAN THE WIRE THAT WAS THERMITE WELDED TO THE CARRIER PIPE. AT A TYPE M TEST STATION, NO MAGNESIUM ANODES SHOULD BE DIRECTLY THERMITE WELDED TO THE CARRIER PIPE OR IN CONTACT WITH THE CARRIER PIPE. THE ANODE HEADER WIRE OR INDIVIDUAL ANODE WIRES SHOULD TERMINATE INSIDE THE TEST STATION BOX. ANODES SHOULD BE SPACED A MINIMUM OF 5' ON CENTER FROM EACH OTHER AND A MINIMUM OF 12" AWAY AND BELOW THE BOTTOM OF THE STEEL MAIN.
7. IF COUPONS ARE TO BE INSTALLED , FIRST REMOVE THE PROTECTIVE LABEL COVERING THE STEEL COUPON AND THE RED STICKERS COVERING EACH SENSING PORT. CLEAN THE ENTIRE STEEL COUPON SURFACE WITH ALCOHOL TO REMOVE THE CORROSION INHIBITOR .PLACE THE COUPON ASSEMBLY APPROXIMATELY 12" FROM THE GAS MAIN BEING MONITORED WITH THE SENSING PORTS FACING THE GAS MAIN. THE COUPON ASSEMBLY SHOULD BE LOCATED ADJACENT TO THE BOTTOM PORTION OF THE GAS MAIN, ANYWHERE BETWEEN 3 O'CLOCK AND 9 O'CLOCK. THE SOIL BETWEEN THE COUPON AND THE MAIN SHOULD BE WELL COMPACTED AND CONTAIN NO ROCKS LARGER THAN A CENTIMETER IN DIAMETER OR FOREIGN MATERIAL.
8. ONE (1) 3# ANODE (MINIMUM) SHALL BE INSTALLED TO PROTECT THE CLAMPS ON EACH 10-FOOT SPAN OF PIPE. EACH 10-FOOT SPAN OF PIPE MUST BE A CONTINUOUS SECTION OF STEEL. CLAMPS ON NON-CONTINUOUS SECTIONS OF STEEL EVEN IF THEY ARE WITHIN 10 FEET OF EACH CANNOT BE PROTECTED BY THE SAME ANODE.
9. REFER TO CONSTRUCTION STANDARD CS-500 SECTION IV.G WHICH PROVIDES GENERAL GUIDANCE REGARDING “WRAPPING” FOR CORROSION PROTECTION. CS-500 SECTION IV.G.5. DESCRIBES THE BASIC STEPS REQUIRED TO WRAP LEAK REPAIR CLAMPS.

NOTE: DETAILS CP-9 AND CP-11 ARE FOR NEW STEEL FITTINGS THAT ARE NOT ELECTRICALLY ISOLATED FROM EXISTING UNPROTECTED STEEL. THESE ANODES ARE DIRECTLY CONNECTED TO THE NEW STEEL FITTING AND THE ANODE MUST BE A MINIMUM OF 2 FEET FROM ANY NEW ISOLATED FITTINGS OR ASSOCIATED ANODES.

SCALE: 1/2" = 1'-0"

No.	Description	Date	Dw/Ck

Revision/Status

WORTHINGTON ST, SPRINGFIELD, MA
PROJECT # 25EG041 / WORK ORDER # 17063912
DETAILS, NOTES AND BILL OF MATERIALS

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

SCALE: NTS — SHEET 12 OF 15

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 8/22/24	AS 8/23/24	MA-SPR-PIP-25-016-12	C

EGMA DRAWING TEMPLATE - 02-09-2023
Worthington St - Pro Drawing Rev0.dwg
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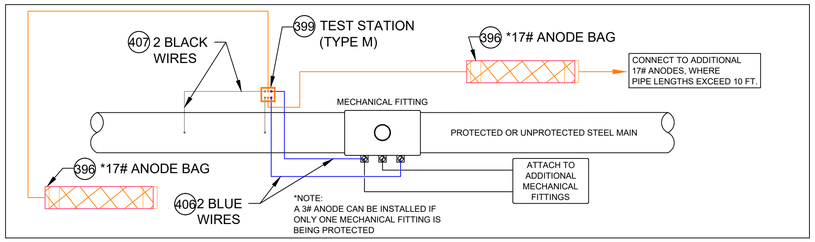
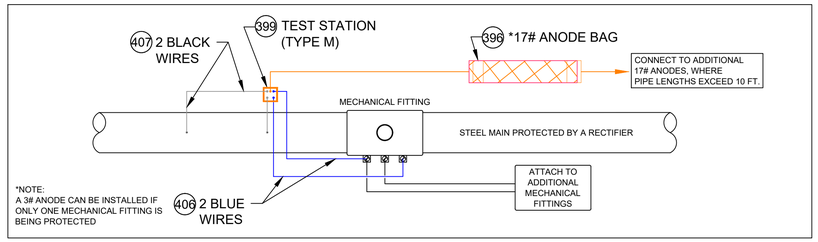
Sep 24, 2024 - 1:43pm
Attachment: MA-SPR-PIP-25-016 - Worthington St - FPO Drawing - RevC (8320 : Eversource Gas - Worthington Street)



TEST STATION CONNECTION DETAILS FOR MECHANICAL FITTINGS INSTALLED ON A STEEL MAIN

DETAIL CP12

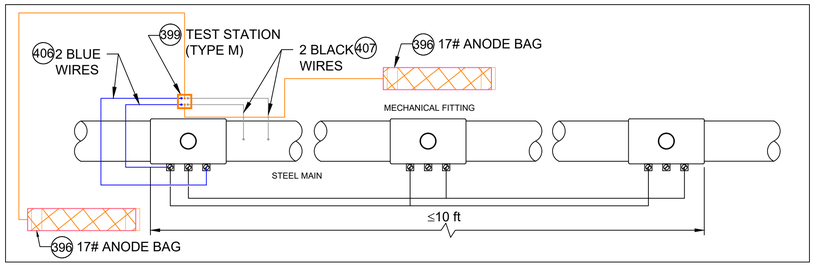
SCALE: 1/2" = 1'-0"



TEST STATION CONNECTION DETAILS FOR MECHANICAL FITTINGS INSTALLED ON STEEL MAIN PROTECTED BY A RECTIFIER

DETAIL CP13

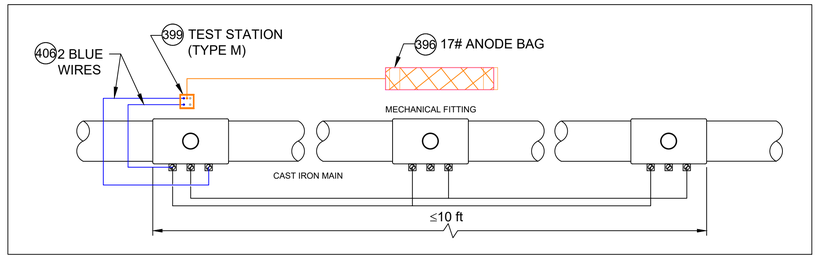
SCALE: 1/2" = 1'-0"



ANODE INSTALLATION FOR MULTIPLE MECHANICAL FITTINGS INSTALLED ON A ELECTRICALLY CONTINUOUS SECTION OF STEEL MAIN

DETAIL CP14

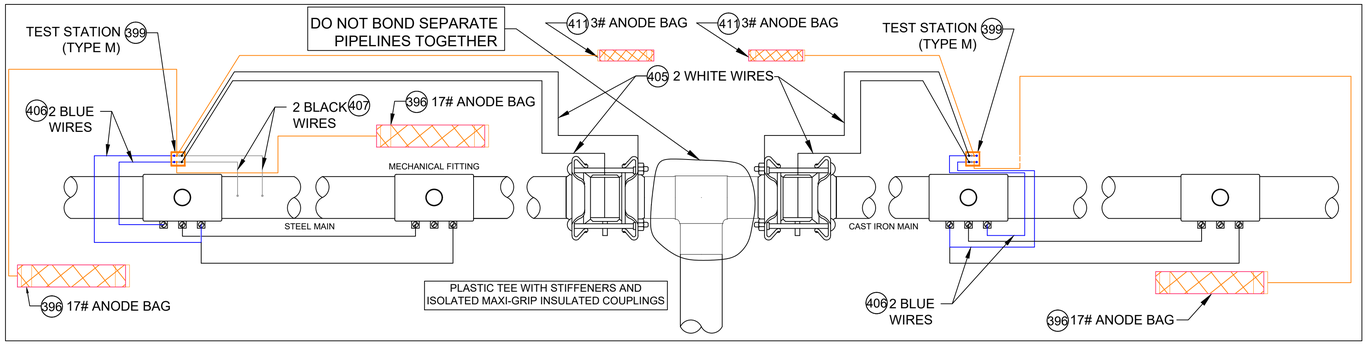
SCALE: 1/2" = 1'-0"



ANODE INSTALLATION FOR MULTIPLE MECHANICAL FITTINGS INSTALLED ON A CAST IRON MAIN

DETAIL CP15

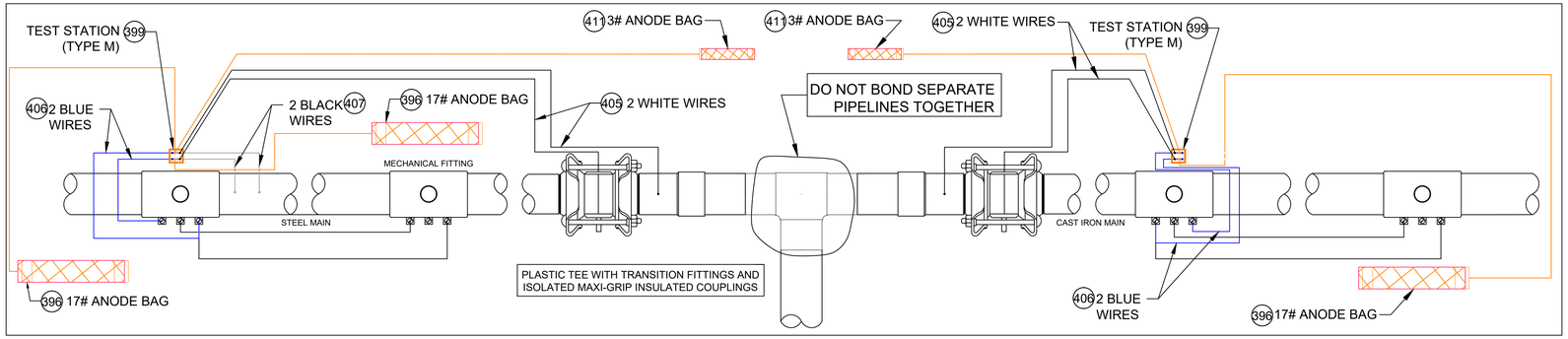
SCALE: 1/2" = 1'-0"



ANODE INSTALLATION FOR MULTIPLE MECHANICAL FITTINGS INSTALLED ON NON-ELECTRICALLY CONTINUOUS SECTIONS OF STEEL AND CAST IRON PIPING

DETAIL CP16

SCALE: 1/2" = 1'-0"



ANODE INSTALLATION FOR MULTIPLE MECHANICAL FITTINGS INSTALLED ON NON-ELECTRICALLY CONTINUOUS SECTIONS OF STEEL AND CAST IRON PIPING

DETAIL CP16A

SCALE: 1/2" = 1'-0"

CATHODIC PROTECTION BILL OF MATERIALS

ITEM	MAXIMO NO.	DESCRIPTION	UNITS
396	577776	ANODE,BAG, 17 LB NET, HIGH POTENTIAL MAGNESIUM, W/ 10 FT #10 AWG TW ORANGE LEAD WIRE, PACKED IN CARDBOARD BOX 42 LB TOTAL WEIGHT	EA
397	409626	CONNECTOR, SPLIT BOLT, 12 SOLID - 10 STRANDED, CU TO CU, HOUSING (COVER) MATE IN 590389.	EA
398	590389	HOUSING, 50 V MAX, 10 AWG MAX, FOR PROTECTING TRACER WIRE SPLICES, USED WITH CONNECTOR IN 409626. 10/BAG	EA
399	590871	BOX VALVE, TEST STATION, CP TEST #178, 10-1/4 IN DIA. LID, 8-3/8 IN I.D. 16 IN H., ASTM A48 CL 25 CAST IRON, FOR OFF-ROAD USE ONLY	EA
400	400567	POWDER, CARTRIDGE, TYPE IS F-33, ALLOY , CAP COLOR CLEAR, 15 GM CHARGE, 20/PAC, FOR STEEL PIPE	BOX
401	559168	SLEEVE,ELECTRICAL, #14 TO 10 AWG, W/ THERMITE WELDER, FOR CATHODIC PROTECTION	EA
402	584045	EDI CONCENTRIC COUPON ASSEMBLY INCLUDING UCB-ZIN-LW010, 10 FT OF CABLE	ES
403	603126	EDI CONCENTRIC COUPON ASSEMBLY INCLUDING UCB-ZIN-LW025, 25 FT OF CABLE	ES
404	603140	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, RED, INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
405	578415	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, WHITE, INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
406	603141	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, BLUE INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
407	603139	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, BLACK, INSULATED, CU, 500 FT SPOOL,WIRE	ROLL
408	500804	WELDER,THERMITE, THERMITE, FOR GAS PIPE, #12 CABLE,HORIZONTAL STEEL PIPE 4 IN AND LARGER DIAMETER	EA
409	500805	WELDER,THERMITE, THERMITE, FOR GAS PIPE, #12 CABLE, HORIZONTAL STEEL PIPE 3/4 - 3-1/2 IN DIAMETER	EA
410	405850	CABLE, INSULATED, CATHODIC PROTECTION, 1/C, #4 AWG, 7 STR, 600 V, BLACK, HMWPE, CU, 1000 FT ROLLS	FT
411	397818	ANODE,BAG, 2.5 X 2.5 X 4.5 IN, 10 FT LG, 3 LB, MAGNESIUM, Alternate IN 577776	EA
577	603769	TRENTON-FILL POR PM-GP, 140 FA, FOR FILLING VOIDS & IRREGULAR SPACES PRIOR TO WRAPPING W/WAX TAPE, 0F TO 110F APPLICATION TEMPERATURE, 6 BLOCKS/CASE,	CASE
575	400572	PRIMER, 4 GAL/CASE, BROWN, FOR WAX TAPE, APPLICATION TEMP 0 TO 230 F, TEMCOAT 3000	EA
576	503673	TAPE,WAX, 9 FT LG X 4 IN W, 24 ROLLS/CS, ABOVE AND BELOW GROUND APPLICATIONS, TR-#2A WAX, ALUMINUM	ROLL
697	603423	TAPE,WAX, 9 FT LG X 6 IN W X 70-90 MIL THK, 16 ROLLS/CS, ABOVE AND BELOW GROUND APPLICATIONS, TR-#2A WAX, ALUMINUM	ROLL

NOTES:

1. ALL TEST STATION BOXES SHOULD BE INSTALLED IN A SAFE LOCATION WHERE ONE INDIVIDUAL CAN SAFELY OPEN AND ACCESS THE TEST WIRES. ALL TEST WIRES INSIDE THE BOX SHOULD HAVE ENOUGH SLACK ON THE WIRES SO THEY CAN EXTEND A MINIMUM OF 12" ABOVE GRADE.
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7. IF COUPONS ARE TO BE INSTALLED , FIRST REMOVE THE PROTECTIVE LABEL COVERING THE STEEL COUPON AND THE RED STICKERS COVERING EACH SENSING PORT. CLEAN THE ENTIRE STEEL COUPON SURFACE WITH ALCOHOL TO REMOVE THE CORROSION INHIBITOR .PLACE THE COUPON ASSEMBLY APPROXIMATELY 12" FROM THE GAS MAIN BEING MONITORED WITH THE SENSING PORTS FACING THE GAS MAIN. THE COUPON ASSEMBLY SHOULD BE LOCATED ADJACENT TO THE BOTTOM PORTION OF THE GAS MAIN, ANYWHERE BETWEEN 3 O'CLOCK AND 9 O'CLOCK. THE SOIL BETWEEN THE COUPON AND THE MAIN SHOULD BE WELL COMPACTED AND CONTAIN NO ROCKS LARGER THAN A CENTIMETER IN DIAMETER OR FOREIGN MATERIAL.
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9. REFER TO CONSTRUCTION STANDARD CS-500 SECTION IV.G WHICH PROVIDES GENERAL GUIDANCE REGARDING "WRAPPING" FOR CORROSION PROTECTION. CS-500 SECTION IV.G.5. DESCRIBES THE BASIC STEPS REQUIRED TO WRAP LEAK REPAIR CLAMPS.

NOTE: WHEN MULTIPLE WIRES FROM DIFFERENT PIPE SECTIONS ARE IN THE SAME TEST STATION, THE WIRES FROM THE SAME PIPE SECTION AND ASSOCIATED ANODE WILL BE TAPED TOGETHER INSIDE THE TEST STATION.

SCALE: 1/2" = 1'-0"

No.	Description	Date	Dw/Ck

Revision/Status

WORTHINGTON ST, SPRINGFIELD, MA

PROJECT # 25EG041 / WORK ORDER # 17063912

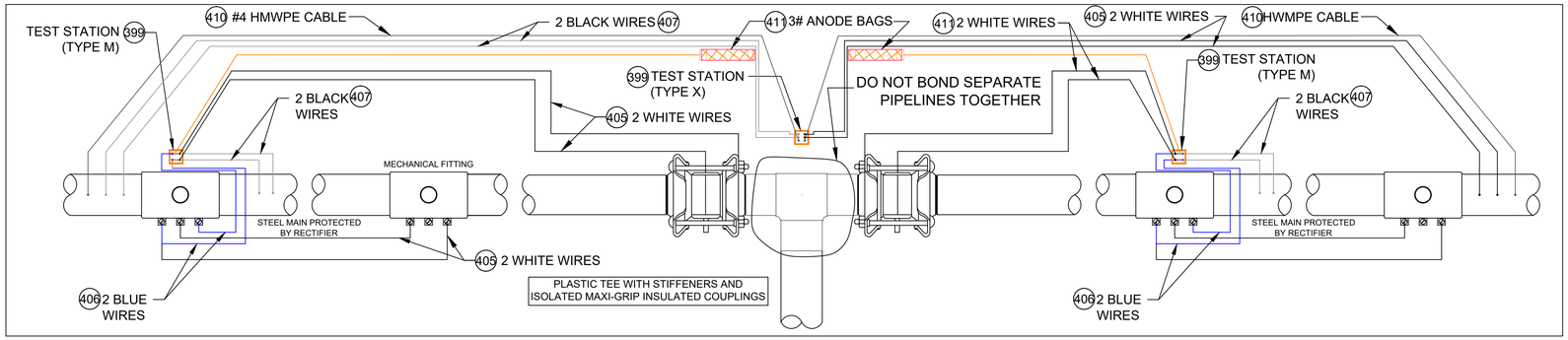
DETAILS, NOTES AND BILL OF MATERIALS

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

SCALE: NTS SHEET 13 OF 15

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 8/22/24	AS 8/23/24	MA-SPR-PIP-25-016-13	C

Worthington St - Pro Drawing Rev0.dwg
EGMA DRAWING TEMPLATE - 02-09-2023
C:\users\kquinton\projectwise\fsl\d0394072\
Sep 24, 2024 - 1:43pm
Attachment: MA-SPR-PIP-25-016 - Worthington St - FPO Drawing - RevC (8320 : Eversource Gas - Worthington Street)



ANODE INSTALLATION FOR MULTIPLE MECHANICAL FITTINGS INSTALLED ON NON-ELECTRICALLY CONTINUOUS SECTIONS OF COATED STEEL PIPING

DETAIL CP17

SCALE: 1/2" = 1'-0"

ANODE INSTALLATION FOR MULTIPLE MECHANICAL FITTINGS INSTALLED ON NON-ELECTRICALLY CONTINUOUS SECTIONS OF COATED STEEL PIPING

DETAIL CP17A

SCALE: 1/2" = 1'-0"

CATHODIC PROTECTION BILL OF MATERIALS

ITEM	MAXIMO NO.	DESCRIPTION	UNITS
396	577776	ANODE,BAG, 17 LB NET, HIGH POTENTIAL MAGNESIUM, W/ 10 FT #10 AWG TW ORANGE LEAD WIRE, PACKED IN CARDBOARD BOX 42 LB TOTAL WEIGHT	EA
397	409626	CONNECTOR, SPLIT BOLT, 12 SOLID - 10 STRANDED, CU TO CU, HOUSING (COVER) MATE IN 590389,	EA
398	590389	HOUSING, 50 V MAX, 10 AWG MAX, FOR PROTECTING TRACER WIRE SPLICES, USED WITH CONNECTOR IN 409626. 10/BAG	EA
399	590871	BOX VALVE, TEST STATION, CP TEST #178, 10-1/4 IN DIA. LID, 8-3/8 IN I.D. 16 IN H., ASTM A48 CL 25 CAST IRON, FOR OFF-ROAD USE ONLY	EA
400	400567	POWDER, CARTRIDGE, TYPE IS F-33, ALLOY , CAP COLOR CLEAR, 15 GM CHARGE, 20/PAC, FOR STEEL PIPE	BOX
401	559168	SLEEVE,ELECTRICAL, #14 TO 10 AWG, W/ THERMITE WELDER, FOR CATHODIC PROTECTION	EA
402	584045	EDI CONCENTRIC COUPON ASSEMBLY INCLUDING UCB-ZIN-LW010, 10 FT OF CABLE	ES
403	603126	EDI CONCENTRIC COUPON ASSEMBLY INCLUDING UCB-ZIN-LW025, 25 FT OF CABLE	ES
404	603140	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, RED, INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
405	578415	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, WHITE, INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
406	603141	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, BLUE INSULATED, CU, 500 FT SPOOL, WIRE	ROLL
407	603139	WIRE,ELECTRICAL, THHN, 1/C, #10 AWG, STRANDED, BLACK, INSULATED, CU, 500 FT SPOOL,WIRE	ROLL
408	500804	WELDER,THERMITE, THERMITE, FOR GAS PIPE, #12 CABLE,HORIZONTAL STEEL PIPE 4 IN AND LARGER DIAMETER	EA
409	500805	WELDER,THERMITE, THERMITE, FOR GAS PIPE, #12 CABLE, HORIZONTAL STEEL PIPE 3/4 - 3-1/2 IN DIAMETER	EA
410	405850	CABLE, INSULATED, CATHODIC PROTECTION, 1/C, #4 AWG, 7 STR, 600 V, BLACK, HMWPE, CU, 1000 FT ROLLS	FT
411	397818	ANODE,BAG, 2.5 X 2.5 X 4.5 IN, 10 FT LG, 3 LB, MAGNESIUM, Alternate IN 577776	EA
577	603769	TRENTON-FILL POR PM-GP, 140 FA, FOR FILLING VOIDS & IRREGULAR SPACES PRIOR TO WRAPPING W/WAX TAPE, 0F TO 110F APPLICATION TEMPERATURE, 6 BLOCKS/CASE,	CASE
575	400572	PRIMER, 4 GAL/CASE, BROWN, FOR WAX TAPE, APPLICATION TEMP 0 TO 230 F, TEMCOAT 3000	EA
576	503673	TAPE,WAX, 9 FT LG X 4 IN W, 24 ROLLS/CS, ABOVE AND BELOW GROUND APPLICATIONS, TR-#2A WAX, ALUMINUM	ROLL
697	603423	TAPE,WAX, 9 FT LG X 6 IN W X 70-90 MIL THK, 16 ROLLS/CS, ABOVE AND BELOW GROUND APPLICATIONS, TR-#2A WAX, ALUMINUM	ROLL

NOTES:

1. ALL TEST STATION BOXES SHOULD BE INSTALLED IN A SAFE LOCATION WHERE ONE INDIVIDUAL CAN SAFELY OPEN AND ACCESS THE TEST WIRES. ALL TEST WIRES INSIDE THE BOX SHOULD HAVE ENOUGH SLACK ON THE WIRES SO THEY CAN EXTEND A MINIMUM OF 12" ABOVE GRADE.
2. FOR TYPE A TEST STATIONS, THE TWO WIRES SHOULD BE THERMITE WELDED TO THE COATED STEEL MAIN AND BE THE SAME COLOR. (COUPONS COULD BE ADDED TO THE TEST STATION TYPE).
3. FOR TYPE B TEST STATIONS, EACH OF THE FOUR WIRES SHOULD BE A DIFFERENT COLOR AND DOCUMENTED
4. FOR TYPE C TEST STATIONS, THE WIRES SHOULD BE THE SAME COLOR ON EACH SIDE OF THE INSULATED COUPLING. (ANODES AND/OR COUPONS COULD BE ADDED TO THIS TEST STATION TYPE).
5. FOR TYPE D TEST STATIONS WHICH ARE AT A CASING, WHITE WIRES ARE NORMALLY INSTALLED ON THE STEEL CASING AND BLACK WIRES ARE INSTALLED ON THE CARRIER PIPE. (ANODES AND/OR COUPONS COULD BE ADDED TO THIS TEST STATION TYPE).
6. FOR TYPE M TEST STATIONS, THE TWO WIRES THERMITE WELDED TO THE CARRIER PIPE SHOULD BE THE SAME COLOR WIRE. THERE IS ALSO MAGNESIUM ANODE(S) WIRE(S) LOCATED INSIDE THE TEST STATION BOX.THE WIRE COLOR (TYPICALLY ORANGE) FOR THE ANODES. IF THE ANODE WIRES ARE SPLICED TO A COMMON ANODE HEADER CABLE, THE ANODE HEADER CABLE SHOULD BE A (WHITE OR RED) DIFFERENT COLOR WIRE THAN THE WIRE THAT WAS THERMITE WELDED TO THE CARRIER PIPE. AT A TYPE M TEST STATION, NO MAGNESIUM ANODES SHOULD BE DIRECTLY THERMITE WELDED TO THE CARRIER PIPE OR IN CONTACT WITH THE CARRIER PIPE. THE ANODE HEADER WIRE OR INDIVIDUAL ANODE WIRES SHOULD TERMINATE INSIDE THE TEST STATION BOX. ANODES SHOULD BE SPACED A MINIMUM OF 5' ON CENTER FROM EACH OTHER AND A MINIMUM OF 12" AWAY AND BELOW THE BOTTOM OF THE STEEL MAIN.
7. IF COUPONS ARE TO BE INSTALLED , FIRST REMOVE THE PROTECTIVE LABEL COVERING THE STEEL COUPON AND THE RED STICKERS COVERING EACH SENSING PORT. CLEAN THE ENTIRE STEEL COUPON SURFACE WITH ALCOHOL TO REMOVE THE CORROSION INHIBITOR .PLACE THE COUPON ASSEMBLY APPROXIMATELY 12" FROM THE GAS MAIN BEING MONITORED WITH THE SENSING PORTS FACING THE GAS MAIN. THE COUPON ASSEMBLY SHOULD BE LOCATED ADJACENT TO THE BOTTOM PORTION OF THE GAS MAIN, ANYWHERE BETWEEN 3 O'CLOCK AND 9 O'CLOCK. THE SOIL BETWEEN THE COUPON AND THE MAIN SHOULD BE WELL COMPACTED AND CONTAIN NO ROCKS LARGER THAN A CENTIMETER IN DIAMETER OR FOREIGN MATERIAL.
8. ONE (1) 3# ANODE (MINIMUM) SHALL BE INSTALLED TO PROTECT THE CLAMPS ON EACH 10-FOOT SPAN OF PIPE. EACH 10-FOOT SPAN OF PIPE MUST BE A CONTINUOUS SECTION OF STEEL. CLAMPS ON NON-CONTINUOUS SECTIONS OF STEEL EVEN IF THEY ARE WITHIN 10 FEET OF EACH CANNOT BE PROTECTED BY THE SAME ANODE.
9. REFER TO CONSTRUCTION STANDARD CS-500 SECTION IV.G WHICH PROVIDES GENERAL GUIDANCE REGARDING “WRAPPING” FOR CORROSION PROTECTION. CS-500 SECTION IV.G.5. DESCRIBES THE BASIC STEPS REQUIRED TO WRAP LEAK REPAIR CLAMPS.

NOTE: WHEN MULTIPLE WIRES FROM DIFFERENT PIPE SECTIONS ARE IN THE SAME TEST STATION, THE WIRES FROM THE SAME PIPE SECTION AND ASSOCIATED ANODE WILL BE TAPED TOGETHER INSIDE THE TEST STATION.

SCALE: 1/2" = 1'-0"

No.	Description	Date	Dw/Ck

Revision/Status

WORTHINGTON ST, SPRINGFIELD, MA

PROJECT # 25EG041 / WORK ORDER # 17063912

DETAILS, NOTES AND BILL OF MATERIALS

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

SCALE: NTS SHEET 14 OF 15

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 8/22/24	AS 8/23/24	MA-SPR-PIP-25-016-14	C

EGMA DRAWING TEMPLATE - 02-09-2023
Worthington St - Pro Drawing Rev0.dwg
C:\users\kquinton\projectwise\stld0394072\
Sep 24, 2024 - 1:43pm
Attachment: MA-SPR-PIP-25-016 - Worthington St - FPO Drawing - RevC (8320 : Eversource Gas - Worthington Street)

Worthington St - Pro Drawing Rev0.dwg

EGMA DRAWING TEMPLATE - 02-09-2023

C:\users\kquinton\projectwise\fsld\d0394072\

FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck

Revision/Status

WORTHINGTON ST, SPRINGFIELD, MA
PROJECT # 25EG041 / WORK ORDER # 17063912
PLAN

SCALE: NTS SHEET 15 OF 15

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
KMQ 8/22/24	AS 8/23/24	MA-SPR-PIP-25-016-15	C

Attachment: MA-SPR-PIP-25-016 - Worthington St - FPO Drawing - RevC (8320 : Eversource Gas - Worthington Street)

EVERSOURCE ENERGY

9/26/2024

Honorable Mayor and City Council
City of Springfield
City Hall
Court Street
Springfield, MA 01103

ATTN: Gladys Oyola-Lopez, City Clerk

PROJECT NAME: Worthington St - GSEP

Ladies & Gentlemen:

Eversource of Massachusetts (EGMA) hereby requests that it be granted a location for and permission to install and replace underground gas facilities within a section of the McKnight Neighborhood (as seen in the attached plan). Work will extend to the following streets in varying degrees/durations:

Street Name	From	To
Worthington St	Magazine St	Florida St
Bowdoin St	Worthington St	Ingersoll Gr
Ingersoll Gr	Bowdoin St	Florida St
Florida St	Ingersoll Gr	Worthington St

This project will introduce modernized natural gas facilities to the area and retire the aged cast iron low pressure natural gas infrastructure. All proposed work by EGMA will include such laterals and service connections as it may now or subsequently find necessary. This project is being done in order to eliminate aging infrastructure and to replace the existing cast iron main.

Ryan Maheu
Engineer
Eversource Energy
2025 Roosevelt Ave.
Springfield, MA 01104
Cell: 413-569-8349
Email: ryan.maheu@eversource.com

Attachment: Springfield City Council Letter - Worthington St (8320 : Eversource Gas - Worthington Street)

City Council
36 Court Street
Springfield, MA 01103

SCHEDULED

PETITION (ID # 8321)

Meeting: 11/18/24 07:00 PM
Department: Department of Public Works
Category: General
Prepared By: Hector Velez
Initiator: Hector Velez
Sponsors:
DOC ID: 8321

Eversource -97 Carol Ann St.

ORDER FOR LOCATION OF UNDERGROUND CONDUIT

WHEREAS The Board of Public Works, to which was referred the petition 97 Carol Ann Street of Everesource Electric Company dated September 27, 2024, to Install one electric handhole between property line #97 and #107 to provide upgraded electrical service to #97 Carol Ann St.

WHEREAS, said petition Mill & Locust Street was referred to the Board of Public Works on May 17, 2023; and

WHEREAS, On September 30, 2024, a Notice of a Public Hearing on 97 Carol Ann Street, to be held on October 16, 2024, was sent by mail, to all property owners abutting an affected road, various Departments, Utility Companies, etc before the day of the hearing and posted on two public bulletin board a copy of which is attached a hearing of the Board of Public Works was held as scheduled on-site with the petitioner and interested parties.

WHEREAS, on October 16, 2024, the Board of Public Works reported thereon that, after careful consideration of the petition 97 Carol Ann Street to Install one electric handhole to provide upgraded electrical service to #97 Carol Ann St. shown on a plan attached entitled:

EVERSOURCE, 97 Carol Ann St.

Consisting of one (1) sheet, which plan is incorporated herein by reference and is on file in the office of the Engineering Division of the Department of Public Works, Springfield, Massachusetts.

WHEREAS, the petition 97 Carol Ann Street came before the City Council for a Public Hearing on this date,

NOW THEREFORE, BE IT ORDERED:

1. That due care for public safety is exercised during construction including but not limited to the use of a police officer(s) for traffic control if necessary.

2. That said construction would not unnecessarily interfere with the movement of vehicular or pedestrian traffic in the area.

3. That care be taken during said construction not to damage any underground services.

4. That the construction site be returned to the same condition as found or better.

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5. Said company shall indemnify and save harmless against all damages, costs, and expenses whatsoever to which the City may be subjected in consequence of the acts or neglect of said Company, its agents or servants, or in any manner arising from the rights and privileges granted it by the City.

6. In addition, said company shall, before a public way is disturbed for the laying of its wire or conduit, execute its bond in the penal sum of Ten Thousand Dollars ($10,000) conditioned for the faithful performance of its duties under this permit.

7. Said company shall comply with the requirements of existing Ordinances and orders and comply with any changes in Ordinances and orders as may hereafter be adopted by the Mayor and Council governing the construction and maintenance of buried cable, conduits, and wires.

8. That any sidewalks that are damaged or removed will be replaced in kind and in accordance with the City of Springfield's Standard Specifications.

9. Ramps for the handicapped will be provided if and where required by law and in conformance with the Rules and Regulations of the Massachusetts Architectural Barrier Board.

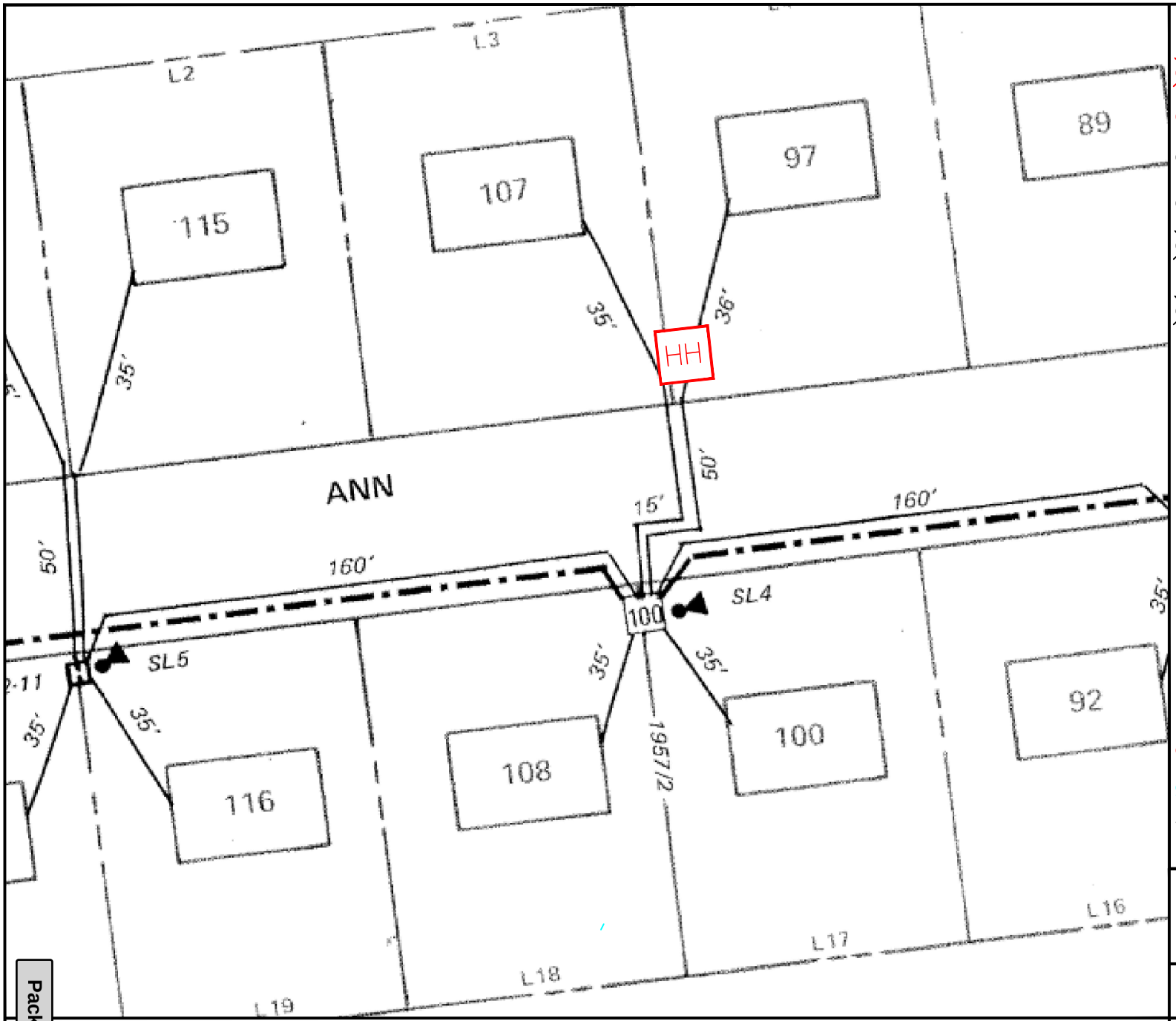
10. That any curbing that is disturbed during construction will be reset to the established street grade using proper construction procedures.

11. That all proposed silo, manhole, and hexhole covers will conform to and be compatible with the established street, tree belt, or sidewalk grades with suitable non-skid covers when in the sidewalk area.

12. That the Springfield Water and Sewer Commission be notified before construction begins. All installations of adjacent utilities must be a minimum of 4 feet from the existing water and/or sewer main, edge to edge of the pipe.

13. That asphalt trench restoration be done in accordance with the City of Springfield DPW requirements.

That all conditions set forth in the respective order are complied with.



LEGEND

- PROPOSED JOINT POLE
- PROPOSED EVERSOURCE POLE
- EXISTING JOINT POLE
- EXISTING EVERSOURCE POLE
- EXISTING EVERSOURCE POLE TO BE JOINT
- EXISTING FOREIGN POLE TO BE JOINT
- PROPOSED PAD MOUNT TRANSFORMER
- EXISTING PAD MOUNT TRANSFORMER
- M EXISTING MANHOLE
- UG EXISTING CONDUIT
- UG PROPOSED CONDUIT
- HH PROPOSED HANDHOLE
- HH EXISTING HANDHOLE
- ANCHOR
- S PROPOSED SILO
- EXISTING SILO
- HEXHOLE

PROPRIETARY INFORMATION:
THE INFORMATION ON THIS MAP SHALL BE CONSIDERED PROPRIETARY TO EVERSOURCE AND THE USER (WHICH SHALL BE DEFINED AS ANY PERSON OR ENTITY WHO HAS RECEIVED THE MAP THROUGH SALE, PURCHASE, EXCHANGE, GIFT OR OTHERWISE) SHALL KEEP IT IN CONFIDENCE AND SHALL NOT FURNISH OR DISCLOSE IT TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN PERMISSION OF EVERSOURCE UTILITIES.

EVERSOURCE ENERGY

PURPOSE AND DESRIPTION:
EVERSOURCE IS REQUESTING PERMISSION TO INSTALL (1) CUSTOMER OWNED HANDHOLE TO BE LABELED 1957/2-ID AND PLACED ON THE PROPERTY LINE OF 97 & 107 5 FEET OF THE CURB LINE AS SHOWN ABOVE. THIS IS PLACED WITH THE PURPOSE OF PROVIDING UPGRADED ELECTRICITY TO 97 CAROL ANN ST WITHOUT HAVING TO CUT THE STREET.

PETITION MAP
CAROL ANN ST
SPRINGFIELD MA

SCALE NTS | DRAWN BY M.FULLER

Attachment: 18756907 Carol Ann St SPFLD Map (8321 : Eversource -97 Carol Ann St.)

PETITION TO INSTALL AND MAINTAIN UNDERGROUND LINES FOR THE TRANSMISSION OF ELECTRICITY

To the Select Board of the City of Springfield, Massachusetts.

EVERSOURCE ENERGY prays that after due notice and a hearing as provided by the law it may be granted permission to install and maintain below the surface of the ground in the public way hereinafter named, a line or lines for the transmission of electricity consisting of conduits located as shown upon the plan filed herewith and made a part hereof together with the necessary wires, cables, transformers, switches, protective devices and other appurtenances, and likewise the manhole and vault construction connected with said lines as indicated by said plan marked:

The following is the public way above referred to:

Location: 97 Carol Ann St, Springfield, MA.

Reason: EVERSOURCE is requesting permission to install (1) customer owned handhold to be labeled 1957/2-ID and placed on the property line of 97 & 107, 5 feet from the curb line as shown in the drawing. This will be placed with the purpose of providing upgraded electricity service to 97 Carol Ann St without having to cut the street.

Drawing # 83019739

Also for permission to lay and maintain underground laterals, cables and wires in the above or intersecting public ways for the purpose of making connections with such poles and buildings as it may desire for distributing purposes.

EVERSOURCE ENERGY

By Zachery Berry

Zachery Berry, Technician
Phone #413-787-1036
Dated this 27th day of September, 2024.

Attachment: 18756907 Carol Ann St SPFLD UG Petition (8321 : Eversource -97 Carol Ann St.)

CITY OF SPRINGFIELD, MASSACHUSETTS

Date: October 16, 2024

TO THE MAYOR AND CITY COUNCIL OF THE CITY OF SPRINGFIELD:

The Board of Public Works, to which was referred the petition 97 Carol Ann Street of Everesource Electric Company dated September 27, 2024, to Install one electric handhole between property line #97 and #107 to provide upgrade electrical service to #97 Carol Ann St., all as substantially shown on a plan attached referred to 97 Carol Ann Street, which is incorporated herein by reference and to lay and maintain underground laterals, cables, and wires in the above or intersecting public ways for distributing purposes, reports thereon as follows:

By virtue of Chapter 708 of the Acts of 1977, the Board of Public Works held the hearing on the above matter provided for in Section 22 of Chapter 166 of the General Laws. The hearing was held on October 16, 2024, at 3:30 P.M. in front of #97 Carol Ann Street in Springfield, MA. Two (2) members of the Board and two (2) persons interested in the matter were present. Of the latter, two (2) voted in favor and no one (0) voted against.

The Board considers the request necessary to upgrade electrical service to #97 Carol Ann St. After careful consideration, the Board recommends the petition be granted provided:

That due care for public safety is exercised during construction including but not limited to the use of a police officer(s) for traffic control if necessary.

That said construction would not unnecessarily interfere with the movement of vehicular or pedestrian traffic in the area.

That care be taken during said construction not to damage any underground services.

That the construction site be returned to the same condition as found or better.

Said company shall indemnify and save harmless against all damages, costs, and expenses whatsoever to which the City may be subjected in consequence of the acts or neglect of said Company, its agents or servants, or in any manner arising from the rights and privileges granted it by the City.

In addition, said company shall, before a public way is disturbed for the laying of its wire or conduit, execute its bond in the penal sum of Ten Thousand Dollars ($10,000) conditioned for faithful performance of its duties under this permit.

Said company shall comply with the requirements of existing Ordinances and orders and comply with any changes in Ordinances and orders as may hereafter be adopted by the Mayor

Attachment: Carol Ann St. Report (8321 : Eversource -97 Carol Ann St.)

and Council governing the construction and maintenance of buried cable, conduits, and wires.

Any sidewalks that are damaged or removed will be replaced in kind and accordance with the City of Springfield's Standard Specifications.

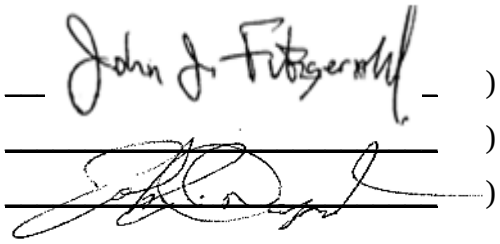
Ramps for the handicapped will be provided if and where required by law and in conformance with the Rules and Regulations of the Massachusetts Architectural Barrier Board.

Any curbing that is disturbed during construction will be reset to the established street grade using proper construction procedures.

That due care be exercised not to unnecessarily damage any public shade trees located within the construction area.

The Springfield Water and Sewer Commission be notified before construction begins. All installations of adjacent utilities must be a minimum of 4 feet from the existing water and/or sewer main, edge to edge of pipe.

That all conditions set forth in the respective order are complied with.



) BOARD OF PUBLIC WORKS

)

)

Attachment: Carol Ann St. Report (8321 : Eversource -97 Carol Ann St.)

City Council

SCHEDULED

Meeting: 11/18/24 07:00 PM
Initiator: Gianna Berardi
Sponsors: Mayor Domenic J. Sarno
DOC ID: 8314

Donation of Goods to the Springfield Library Department - Video Magnifier (Mayor Sarno)

WHEREAS, the Springfield Library Department has received a donation of a video magnifier with an estimated value of $2,500 from Jerry Felix; and

WHEREAS, the gift provided by the donor was designated for the Sixteen Acres Library; and

WHEREAS, the Department intends to use the gift to help low vision persons read printed documents, books, as well as a teaching tool to allow learners improved visibility of subject matter; and

WHEREAS, the Department seeks authorization from the City Council to accept the gift of tangible value on behalf of the City of Springfield with the Mayor's approval; and

WHEREAS, the Chief Administrative and Financial Officer, after an evaluation of all pertinent financial information reasonably available, has certified that the City's financial resources and revenues are and will continue to be adequate to support the proposed expenditures and obligations involved in the City Council Order authorizing the expenditure of the gift funds listed herein, subject to the approval of the Mayor, without a detrimental impact on the continuous provision of the existing level of municipal services, in accordance with Section 2(f) of Chapter 656 of the Acts of 1989, as added by Section 1 of Chapter 468 of the Acts of 2008.

NOW THEREFORE BE IT ORDERED, acting pursuant to Mass. Gen. Laws ch. 4410, sec. 53A 1/2, that the City Council hereby accepts the donation of the video magnifier, and authorizes the Library Department to use the video magnifier for the purpose stated in this order.

Donation of Goods to the Springfield Library Department - Video Magnifier

Cc: Canosa, Jean <JCanosa@SpringfieldLibrary.org>
Subject: Re: Donating Video magnifier

I think that donations also go to city council. You could ask Gianna if equipment needs a different order? Or if we need to ask the donor to estimate the value of the donation for the order we! Thanks!!
Sent from my iPhone

From: Jeremias Feliz [mailto:jfeliz@mabcommunity.org]
Sent: Monday, September 30, 2024 3:40 PM
To: Jackson, Aieshya <AJackson@SpringfieldLibrary.org>
Cc: Friedman, Holly <HFriedman@SpringfieldLibrary.org>
Subject: Donating Video magnifier

Good afternoon Aieshya,

I am looking to donate a Video Magnifier to Sixteen Acres Library.

Purpose: Helping low vision persons read print documents, books, as well as a teaching tool to allow learners improved visibility of subject matter.
Model: Merlin Video Magnifier
Link to product: https://www.enhancedvision.com/low-vision-product-line/merlin-lcd-desktop-video-magnifier.html

Best regards,

Jerry Feliz
Access Technology Director
Mass Association for the Blind &
Visually Impaired
Mobile: 857-443-6636
jfeliz@mabcommunity.org
Website: MABVI.ORG
Twitter @JerryFelizMABVI

https://www.mabvi.org/services/assistive-technology/

YouTube:

https://www.youtube.com/@jerryfeliz1405/videos

Attachment: Donation of Goods to Springfield Library Dept- Video Magnifier (8314 : Donation of Goods to the Springfield Library Department -

From: Jackson, Aieshya
To: Berardi, Gianna
Subject: [External] Fwd: [External] Donating Video magnifier
Date: Friday, November 8, 2024 4:12:13 PM

Hi Gianna, see below.

Aieshya Jackson, Business Manager
Springfield City Library – All Yours, Just Ask
220 State Street
Springfield, MA 01103
413-263-6828, ext. 290
ajackson@springfieldlibrary.org

Connect with us!
www.facebook.com/springfieldcitylibrary
www.twitter.com/SpfldMassLib
www.instagram.com/spfldmasslib/

Begin forwarded message:

> **From:** Jeremias Feliz <jfeliz@mabcommunity.org>
> **Date:** November 8, 2024 at 3:49:15 PM EST
> **To:** "Jackson, Aieshya" <AJackson@springfieldlibrary.org>
> **Subject: Re: [External] Donating Video magnifier**
>
> Depending on the specifications, it's 3000 to $4000. However, this is used. When looking at third-party then there's that so these types of products. The price range tends to be 2500 to 1500. I would go with the used price at this point.

CAUTION: This email originated outside our organization; please use caution.

Attachment: Donation of Goods to Springfield Library Dept- Video Magnifier (8314 : Donation of Goods to the Springfield Library Department -

City Council

SCHEDULED

Meeting: 11/18/24 07:00 PM
Initiator: Erin Hand
Sponsors: Mayor Domenic J. Sarno
DOC ID: 8317

Parks Department - Donation - $2,381.70 - No Match Required (Mayor Sarno)

WHEREAS, the Parks Department has been awarded a donation in the amount of $2,381.70 from donor John M. Zebb; and

WHEREAS, the funding provided by the donor has been designated to purchase a Forest Park Memorial Bench; and

WHEREAS, the Department has accepted the donation and requests authorization from the City Council and the Mayor to expend the donation; and

WHEREAS, the Chief Administrative and Financial Officer, after an evaluation of all pertinent financial information reasonably available, has certified that the City's financial resources and revenues are and will continue to be adequate to support the proposed expenditures and obligations involved in the City Council Order authorizing the expenditure of the donation funds listed herein, subject to the approval of the Mayor, without a detrimental impact on the continuous provision of the existing level of municipal services, in accordance with Section 2(f) of Chapter 656 of the Acts of 1989, as added by Section 1 of Chapter 468 of the Acts of 2008.

NOW THEREFORE BE IT ORDERED, acting pursuant to Mass. Gen. Laws Ch. 44, sec 53A, that the City Council approves the expenditure by the Department of the donation funds listed below for the purposes of such donations, subject to the approval of the Mayor, and the donation funds received shall be deposited with the City Treasurer and held as a separate account and may be expended for the purposes of the donations without further appropriation:

Parks Department - Donation - $2,381.70 - No Match Required

REQUEST FOR GRANT SETUP

This form and the required attachments are required by the Office of the City Comptrollers before a Grant Fund and related accounts will be created in MUNIS. Please do not use this form for requesting a non-grant related account to be created – use the Request for New Account form instead. Please return this form and the required attachments to the Office of the City Comptrollers.

All fields are mandatory.

Date of Request	10/21/2024
Department Requesting Grant Setup	PBRM
Department Phone # (Please include extension)	413-787-7772
Name and Title of Person to Contact in Case of Questions	CAROL LANGEVIN

Was this Grant previously setup for a prior fiscal year? NO
If yes, please indicate your previous project number:

If this is a new Grant, have you filled out the "Approval to apply for a grant" Form? (Y/N) If yes, please attach a copy of the Approved Form.

Grant Type:
State – Highway
Federal Pass-Through DOE– School
Federal Direct– School
Federal – City
State DOE– School
State Other – School
State – City
XXXXX Private/Other

Grant Name: BENCH DONATION
Total Grant Amount Awarded: $ 2381.70

Attachment: Parks - Bench Donation - John Zebb - redacted (8317 : Parks Department - Donation - $2,381.70 - No Match Required)

Is this a Reimbursable Grant? (Y/N) N
A Reimbursable Grant is defined as one that requires that you pay for expenses first and then you apply to the grantor for a reimbursement of the exact amount actually expended.

If it is a Reimbursable Grant, please enter Grantor contact information or the CID # if Grantor is already in the customer file:

Entity Name JOHN ZEBB
Contact Person
Street Address
City, State, Zip Code
Telephone
Fax
E-Mail

Actual Award Date
Board Approval Date
Start Date
Expiration Date
Renewal Action Date (optional)
If there are any Matching Funds:NO

Type
Percent
Amount

Comments re: Description/Purpose of Grant:
DONATION FOR BENCH – FOR JOHN ZEBB

Comments re: Conditions/Restrictions of Grant
DONATION FOR BENCH – in memory of Gail Jennings

If this is a Federal Grant, enter CFDA#: CHECKS HAS BEEN RECEIVED.
PLEASE SEE ATTACHED

If applicable enter the State ID # :

What is the required drawdown frequency?
(Ex: Monthly, Quarterly)

If payment is to be sent by Grantor as a Wire,
Please enter any wire reference/identification # that may be used (if known)

Attachment: Parks - Bench Donation - John Zebb - redacted (8317 : Parks Department - Donation - $2,381.70 - No Match Required)

Please list all object codes needed for the grant.
(Attach additional sheets if additional orgs and roll-ups are needed):

Org Code: 29156300

Object Codes: 483000
Project Code: BENCH

Budget Roll-Up Codes:

I hereby attest that under the penalties of Chapter 656, I will adhere to all regulations in this grant agreement. I am responsible for timely and accurate reimbursements in the amounts listed above.

Signature

10/21/24
Date

Please attach the following documents:

- Signed Approval to Apply for a Grant Form
- Grant Award Letter
- City Council/Mayor Approval
- Any other relevant documentation

This Form and all relevant attachments will be scanned and attached in the Grant Maintenance module in MUNIS and can be viewed or printed at your convenience.

Attachment: Parks - Bench Donation - John Zebb - redacted (8317 : Parks Department - Donation - $2,381.70 - No Match Required)

Attachment: Parks - Bench Donation - John Zebb - redacted (8317 : Parks Department - Donation - $2,381.70 - No Match Required)

JOHN M ZEBB

Fidelity Account®

1002

80-568/1012

OCT 20 2024
Date

CHECK ARMOR FRAUD PROTECTION

Pay to the Order of CITY OF SPRINGFIELD (MA) $ 2381.70

TWENTY-THREE HUNDRED EIGHTY-ONE + 70/100 Dollars

Fidelity INVESTMENTS

UMB Bank, N.A.
Kansas City, MO

For FOREST PARK AMERICAN BENCH

[redacted]

Hartland Checks

Attachment: Parks - Bench Donation - John Zebb - redacted (8317 : Parks Department - Donation - $2,381.70 - No Match Required)

Attachment: Parks - Bench Donation - John Zebb - redacted (8317 : Parks Department - Donation - $2,381.70 - No Match Required)

City Council

SCHEDULED

Meeting: 11/18/24 07:00 PM
Initiator: Trevor Crawford
Sponsors: Mayor Domenic J. Sarno
DOC ID: 8318

COPS Anti-Methamphetamine Program Grant - No Match Required - $10,000 (Mayor Sarno)

WHEREAS, the Springfield Police Department has been awarded a COPS Anti-Methamphetamine Program Grant in the amount of $10,000 from the U.S. Department of Justice through the Massachusetts State Police; and

WHEREAS, the grant program is for purposes related to work with the Anti-Methamphetamine Task Force; and

WHEREAS, the Department intends to use the grant funds in collaboration with the Massachusetts State Police for overtime costs incurred by the assignment of police officers working the Anti-Methamphetamine Program in the Commonwealth; and

WHEREAS, the Department has accepted the grant and requests authorization from the City Council and the Mayor to expend the grant funds listed below for the purposes of such grants; and

WHEREAS, the Chief Administrative and Financial Officer, after an evaluation of all pertinent financial information reasonably available, has certified that the City's financial resources and revenues are and will continue to be adequate to support the proposed expenditures and obligations involved in the City Council Order authorizing the expenditure of the grant funds listed herein, subject to the approval of the Mayor, without a detrimental impact on the continuous provision of the existing level of municipal services, in accordance with Section 2(f) of Chapter 656 of the Acts of 1989, as added by Section 1 of Chapter 468 of the Acts of 2008.

NOW THEREFORE BE IT ORDERED, acting pursuant to Mass. Gen. Laws Ch. 44, sec. 53A, that the City Council approves the expenditure by the Department of the grant funds listed below for the purposes of such grants, subject to the approval of the Mayor, and the grant funds received shall be deposited with the City Treasurer and held as a separate account and may be expended for the purposes of the grant without further appropriation:

COPS Anti-Methamphetamine Program Grant - $10,000

REQUEST FOR GRANT SETUP

This form and the required attachments are required by the Office of the City Comptrollers before a Grant Fund and related accounts will be created in MUNIS. Please do not use this form for requesting a non-grant related account to be created – use the Request for New Account form instead. Please return this form and the required attachments to the Office of the City Comptrollers.

All fields are mandatory.

Date of Request
11/6/2024
Department Requesting Grant Setup
Office of Finance
Department Phone # (Please include extension)
413-787-6831
Name and Title of Person to Contact in Case of Questions
Kyla Raimer – Grants Administrator

Was this Grant previously setup for a prior fiscal year?
If yes, please indicate your previous project number:
Yes please use AMP25
If this is a new Grant, have you filled out the "Approval to apply for a grant" Form?
(Y/N) N If yes, please attach a copy of the Approved Form.

	Grant Type:
	State – Highway
	Federal Pass-Through DOE– School
	Federal Direct– School
	Federal – City
	State DOE– School
	State Other – School
X	State – City
	Private/Other

Attachment: AMP25 Grant Set Up (8318 : COPS Anti-Methamphetamine Program Grant - No Match Required - $10,000)

Grant Name:
U.S. Department of Justice COPS Anti-Methamphetamine Program MOU with State Police
Total Grant Amount Awarded: **$10,000**
Is this a Reimbursable Grant? (Y/N)
A Reimbursable Grant is defined as one that requires that you pay for expenses first and then you apply to the grantor for a reimbursement of the exact amount actually expended.
Yes
If it is a Reimbursable Grant, please enter Grantor contact information or the CID # if Grantor is already in the customer file:

Entity Name	**Department of State Police**
Contact Person	**Melissa Comeau**
Street Address	**470 Worcester Road**
City, State, Zip Code	**Framingham, MA 01702**
Telephone	**508-820-2137**
Fax	**508-820-2165**
E-Mail	**melissa.comeau@pol.state.ma.us**

Actual Award Date **10/26/2022**
Board Approval Date
Start Date **10/26/2022**
Expiration Date **09/30/2025**
Renewal Action Date (optional)
If there are any Matching Funds: NO
Type
Percent
Amount

Comments re: Description/Purpose of Grant
Reimbursement of overtime costs associated with local police participation in the Anti-Methamphetamine Program.

Comments re: Conditions/Restrictions of Grant

If this is a Federal Grant, enter CFDA#:

If applicable enter the State ID # :

What is the required drawdown frequency?
(Ex: Monthly, Quarterly) **Monthly**

If payment is to be sent by Grantor as a Wire,
Please enter any wire reference/identification # that may be used (if known)

Attachment: AMP25 Grant Set Up (8318 : COPS Anti-Methamphetamine Program Grant - No Match Required - $10,000)

Please list all object codes needed for the grant.
(Attach additional sheets if additional orgs and roll-ups are needed):

Org Code: **28952100**

Object Codes: **506000 - $10,000**

Budget Roll-Up Codes:

I hereby attest that under the penalties of Chapter 656, I will adhere to all regulations in this grant agreement. I am responsible for timely and accurate reimbursements in the amounts listed above.

Signature

11/12/2024
Date

Please attach the following documents:

- Signed Approval to Apply for a Grant Form
- Grant Award Letter
- City Council/Mayor Approval
- Any other relevant documentation

This Form and all relevant attachments will be scanned and attached in the Grant Maintenance module in MUNIS and can be viewed or printed at your convenience.

Attachment: AMP25 Grant Set Up (8318 : COPS Anti-Methamphetamine Program Grant - No Match Required - $10,000)

COMMONWEALTH OF MASSACHUSETTS ~ STANDARD CONTRACT FORM

This form is jointly issued and published by the Office of the Comptroller (CTR), the Executive Office for Administration and Finance (ANF), and the Operational Services Division (OSD) as the default contract for all Commonwealth Departments when another form is not prescribed by regulation or policy. The Commonwealth deems void any changes made on or by attachment (in the form of addendum, engagement letters, contract forms or invoice terms) to the terms in this published form or to the Standard Contract Form Instructions and Contractor Certifications, the Commonwealth Terms and Conditions for Human and Social Services or the Commonwealth IT Terms and Conditions which are incorporated by reference herein. Additional non-conflicting terms may be added by Attachment. Contractors are required to access published forms at CTR Forms: https://www.macomptroller.org/forms. Forms are also posted at OSD Forms: https://www.mass.gov/lists/osd-forms.

CONTRACTOR LEGAL NAME: City of Springfield **(and d/b/a):** Springfield Police Department		**COMMONWEALTH DEPARTMENT NAME:** Department of State Police **MMARS Department Code:** POL	
Legal Address: (W-9, W-4): 130 Pearl Street		**Business Mailing Address:** 470 Worcester Road, Framingham, MA 01702	
Contract Manager: Kyla Raimer	**Phone:** 413-787-6831	**Billing Address (if different):** same	
E-Mail: kraimer@springfieldpolice.net	**Fax:** 413-787-6805	**Contract Manager:** Melissa Comeau	**Phone:** 508-820-2137
Contractor Vendor Code: VC (leave blank)		**E-Mail:** Melissa.comeau@pol.state.ma.us	**Fax:** 508-820-2165
Vendor Code Address ID (e.g. "AD001"): AD (leave blank). **(Note: The Address ID must be set up for EFT payments.)**		**MMARS Doc ID(s):** GAEPOL700025SPRINGFD **RFR/Procurement or Other ID Number:** 15JCOPS-21GG-02407-SMET	

X NEW CONTRACT

PROCUREMENT OR EXCEPTION TYPE: (Check one option only)

__ **Statewide Contract** (OSD or an OSD-designated Department)
__ **Collective Purchase** (Attach OSD approval, scope, budget)
X **Department Procurement** (includes all Grants - 815 CMR 2.00) (Solicitation Notice or RFR, and Response or other procurement supporting documentation)
__ **Emergency Contract** (Attach justification for emergency, scope, budget)
__ **Contract Employee** (Attach Employment Status Form, scope, budget)
__ **Other Procurement Exception** (Attach authorizing language, legislation with specific exemption or earmark, and exception justification, scope, and budget)

___ CONTRACT AMENDMENT

Enter **Current Contract End Date *Prior*** to Amendment: ____, 20___.
Enter **Amendment Amount:** $ _____. (or "no change")

AMENDMENT TYPE: (Check one option only. Attach details of amendment changes.)

__ **Amendment to Date, Scope or Budget** (Attach updated scope and budget)
__ **Interim Contract** (Attach justification for Interim Contract and updated scope/budget)
__ **Contract Employee** (Attach any updates to scope or budget)
__ **Other Procurement Exception** (Attach authorizing language/justification and updated scope and budget)

The Standard Contract Form Instructions and Contractor Certifications and the following Commonwealth Terms and Conditions document are incorporated by reference into this Contract and are legally binding: (Check ONE option): X Commonwealth Terms and Conditions __ Commonwealth Terms and Conditions For Human and Social Services __ Commonwealth IT Terms and Conditions

COMPENSATION: (Check ONE option): The Department certifies that payments for authorized performance accepted in accordance with the terms of this Contract will be supported in the state accounting system by sufficient appropriations or other non-appropriated funds, subject to intercept for Commonwealth owed debts under 815 CMR 9.00.
__ **Rate Contract.** (No Maximum Obligation) Attach details of all rates, units, calculations, conditions or terms and any changes if rates or terms are being amended.)
X **Maximum Obligation Contract.** Enter total maximum obligation for total duration of this contract (or *new* total if Contract is being amended). **$10,000.00**

PROMPT PAYMENT DISCOUNTS (PPD): Commonwealth payments are issued through EFT 45 days from invoice receipt. Contractors requesting **accelerated** payments must identify a PPD as follows: Payment issued within 10 days __% PPD; Payment issued within 15 days __ % PPD; Payment issued within 20 days __ % PPD; Payment issued within 30 days __% PPD. If PPD percentages are left blank, identify reason: __agree to standard 45 day cycle __ statutory/legal or Ready Payments (M.G.L. c. 29, § 23A); __ only initial payment (subsequent payments scheduled to support standard EFT 45 day payment cycle. See Prompt Pay Discounts Policy.)

BRIEF DESCRIPTION OF CONTRACT PERFORMANCE or REASON FOR AMENDMENT: (Enter the Contract title, purpose, fiscal year(s), and a detailed description of the scope of performance or what is being amended for a Contract Amendment. Attach all supporting documentation and justifications.) Reimbursement of overtime costs associated with local police participation in the anti-methamphetamine task force. Mass State Police received federal funding for this project from the federal COPS Award **15JCOPS-21GG-02407-SMET** . **Please also review Attachment A**

ANTICIPATED START DATE: (Complete ONE option only) The Department and Contractor certify for this Contract, or Contract Amendment, that Contract obligations:

X 1. may be incurred as of the Effective Date (latest signature date below) and no obligations have been incurred prior to the Effective Date.
__ 2. may be incurred as of ____, 20____, a date LATER than the Effective Date below and no obligations have been incurred prior to the Effective Date.
__ 3. were incurred as of _____, 20___ , a date PRIOR to the Effective Date below, and the parties agree that payments for any obligations incurred prior to the Effective Date are authorized to be made either as settlement payments or as authorized reimbursement payments, and that the details and circumstances of all obligations under this Contract are attached and incorporated into this Contract. Acceptance of payments forever releases the Commonwealth from further claims related to these obligations.

CONTRACT END DATE: Contract performance shall terminate as of **September 30, 2025** with no new obligations being incurred after this date unless the Contract is properly amended, provided that the terms of this Contract and performance expectations and obligations shall survive its termination for the purpose of resolving any claim or dispute, for completing any negotiated terms and warranties, to allow any close out or transition performance, reporting, invoicing or final payments, or during any lapse between amendments.

CERTIFICATIONS: Notwithstanding verbal or other representations by the parties, the **"Effective Date"** of this Contract or Amendment shall be the latest date that this Contract or Amendment has been executed by an authorized signatory of the Contractor, the Department, or a later Contract or Amendment Start Date specified above, subject to any required approvals. The Contractor certifies that they have accessed and reviewed all documents incorporated by reference as electronically published and the Contractor makes all certifications required under the Standard Contract Form Instructions and Contractor Certifications under the pains and penalties of perjury, and further agrees to provide any required documentation upon request to support compliance, and agrees that all terms governing performance of this Contract and doing business in Massachusetts are attached or incorporated by reference herein according to the following hierarchy of document precedence, the applicable Commonwealth Terms and Conditions, this Standard Contract Form, the Standard Contract Form Instructions and Contractor Certifications, the Request for Response (RFR) or other solicitation, the Contractor's Response (excluding any language stricken by a Department as unacceptable, and additional negotiated terms, provided that additional negotiated terms will take precedence over the relevant terms in the RFR and the Contractor's Response only if made using the process outlined in 801 CMR 21.07, incorporated herein, provided that any amended RFR or Response terms result in best value, lower costs, or a more cost effective Contract.

AUTHORIZING SIGNATURE FOR THE CONTRACTOR:

X: _____, **Date:** _____,
(Signature and Date Must Be Handwritten at Time of Signature)
Print Name: Lawrence E. Akers
Print Title: Superintendent

AUTHORIZING SIGNATURE FOR THE COMMONWEALTH:

X: _____, **Date:** _____,
(Signature and Date Must Be Handwritten at Time of Signature)
Print Name: Michelle Small
Print Title: Chief Administrative Officer

Attachment: AMP25 Grant Set Up (8318 : COPS Anti-Methamphetamine Program Grant - No Match Required - $10,000)

Attachment A

Scope of Partnership Between
MASSACHUSETTS DEPARTMENT OF STATE POLICE
and
SPRINGFIELD MA POLICE DEPARTMENT

The Massachusetts State Police has, pursuant to the 2021 COPS CAMP Anti-Methamphetamine Program, been awarded the sum of $1,303,089 for purposes related to the investigation of illicit activities related to the manufacture and distribution of methamphetamine.

This contract is an agreement between the **Massachusetts State Police** and the **Springfield Police Department** (**"Local Agency"**) to cooperate on the prevention and reduction in the investigation of illicit activities related to the manufacture and distribution of methamphetamine.

The Massachusetts State Police has determined that appropriated funds shall be used to reimburse the Massachusetts State Police and the Local Agency for authorized employee overtime costs incurred by the assignment of police officers to prevent and reduce illicit activities related to the manufacture and distribution of methamphetamine. **Overtime hours being charged against a federal grant award may only seek reimbursement for Actual hours worked regardless of department policy or union contract rules.**

The Massachusetts Department of State Police shall be solely responsible for the administration and distribution of the appropriated funds and no overtime reimbursement shall be made to a Local Agency unless approved by the Massachusetts State Police.

In order to be eligible for reimbursement of overtime costs pursuant to this Agreement, the Local Agency shall:

(a) Execute and deliver to the Commonwealth an original of this Agreement, the Commonwealth Standard Contract, and the relevant Commonwealth'sTerms and Conditions.

(b) Receive approval from the Massachusetts State Police, acting through a designated Unit Supervisor(s), to incur law enforcement overtime pursuant to an approved target plan.

(c) Submit, at least monthly, an invoice of all Local Agency overtime approved by the Massachusetts State Police to MSPGrants@pol.state.ma.us
Such invoice shall:

(i) be submitted on Official Local Agency letterhead;

(ii) include all overtime hours worked pursuant to an approved target plan;

(iii) include law enforcement officer's full name;

(iv) include the date(s) and corresponding number of all approved hours worked by the officer(s);

(v) the applicable overtime rate for each such officer; and

Attachment: AMP25 Grant Set Up (8318 : COPS Anti-Methamphetamine Program Grant - No Match Required - $10,000)

(vi) total of all overtime hours approved and for which reimbursement is sought by the Local Agency.

(d) Each submitted invoice must be signed by an authorized official of the Local Agency/Police Department and contain the following or substantially similar attestation: "I attest that all information accompanying this invoice is true and accurate and that documentation supporting the same is maintained in municipal files, which shall be made available to the Massachusetts State Police upon request and/or in the event of an audit".

(e) Reimbursement of Local Agency overtime incurred pursuant to this Agreement shall, at all times, be subject to:

(i) The terms and conditions of this Agreement;

(ii) The availability of Massachusetts State Police approved funding;

(iii) The terms and conditions of the Commonwealth Standard Contract, which shall prevail over any conflicting terms or conditions in this Agreement;

(iv) The Commonwealth 's Terms and Conditions, which shall prevail over any conflicting terms or conditions in this Agreement; and

(v) The complete discretion and approval, supervisory and administrative , of the Massachusetts State Police;

Attachment: AMP25 Grant Set Up (8318 : COPS Anti-Methamphetamine Program Grant - No Match Required - $10,000)

City Council

SCHEDULED

Meeting: 11/18/24 07:00 PM
Initiator: Erin Hand
Sponsors: Mayor Domenic J. Sarno
DOC ID: 8316

Fire Emergency Management Performance Grant - $71,335.00 - In-Kind Match Required (Mayor Sarno)

WHEREAS, the Springfield Fire Department has been awarded an "Emergency Management Performance Grant" of $71,335.00 from the Massachusetts Emergency Management Agency ("MEMA"); and

WHEREAS, the purpose of the grant is to support the City of Springfield's Office of Emergency Preparedness ("OEP") in preparing for potential emergency hazardous situations and events; and

WHEREAS, the Department intends to use the grant funds for supplies and equipment to aid in it's response time and safety across the City of Springfield; and

WHEREAS, the grant will pay $71,335.00, and requires a match from the City of $71,335.00 through in-kind services or expenses; and

WHEREAS, the Department has accepted the grant and requests authorization from the City Council and the Mayor to expend the grant funds listed below for the purposes of such grants; and

WHEREAS, the Chief Administrative and Financial Officer, after an evaluation of all pertinent financial information reasonably available, has certified that the City's financial resources and revenues are and will continue to be adequate to support the proposed expenditures and obligations involved in the City Council Order authorizing the expenditure of the grant funds listed herein, subject to the approval of the Mayor, without a detrimental impact on the continuous provision of the existing level of municipal services, in accordance with Section 2(f) of Chapter 656 of the Acts of 1989, as added by Section 1 of Chapter 468 of the Acts of 2008.

NOW THEREFORE BE IT ORDERED, acting pursuant to Mass. Gen. Laws Ch. 44, Sec. 53A, that the City Council approves the expenditure by the Department of the grant funds listed below for the purposes of such grants, subject to the approval of the Mayor, and the grant funds received shall be deposited with the City Treasurer and held as a separate account and may be expended for the purposes of the grant without further appropriation:

Emergency Management Performance Grant - $71,335.00

Attachment: Fire - FY24 EMPG Signed Request for Grant Set-Up (8316 : Fire Emergency Management Performance Grant - $71,335.00 - In-Kind

REQUEST FOR GRANT SETUP

This form and the required attachments are required by the Office of the City Comptrollers before a Grant Fund and related accounts will be created in MUNIS. Please do not use this form for requesting a non-grant related account to be created – use the Request for New Account form instead. Please return this form and the required attachments to the Office of the City Comptrollers.

All fields are mandatory.

Date of Request	10/21/2024
Department Requesting Grant Setup	Fire
Department Phone # (Please include extension)	413-750-2422
Name and Title of Person to Contact in Case of Questions	Leslie Gulluni, Administrative Analyst

Was this Grant previously setup for a prior fiscal year?
If yes, please indicate your previous project number: Yes, 69323

If this is a new Grant, have you filled out the "Approval to apply for a grant" Form?
(Y/N) If yes, please attach a copy of the Approved Form.

Grant Type:

	State – Highway
	Federal Pass-Through DOE– School
	Federal Direct– School
	Federal – City
	State DOE– School
	State Other – School
X	**State – City**
	Private/Other

Grant Name: FFY24 Emergency Management Performance Grant (EMPG)

Total Grant Amount Awarded: $71,335.00
Is this a Reimbursable Grant? (**Y**/N)
A Reimbursable Grant is defined as one that requires that you pay for expenses first and then you apply to the grantor for a reimbursement of the exact amount actually expended.

If it is a Reimbursable Grant, please enter Grantor contact information or the CID # if Grantor is already in the customer file:

Entity Name	Massachusetts Emergency Management Agency (MEMA)
Contact Person	Lorri Gifford
Street Address	400 Worcester Road
City, State, Zip Code	Framingham, MA 01702
Telephone	508.820.2004 (Office), 508.380.8816 (Cell)
Fax	508-820-2030
E-Mail	Lorri.d.Gifford@mass.gov

Actual Award Date — Latest Signature Date on Contract

Board Approval Date

Start Date — Latest Signature Date on Contract

Expiration Date — 6/30/2025

Renewal Action Date (optional)

If there are any Matching Funds:
- Type
- Percent
- Amount

Is there any Leverage? HUD FUNDING ONLY
- Source
- Amount

Comments re: Description/Purpose of Grant
To purchase allowable equipment

Comments re: Conditions/Restrictions of Grant

If this is a Federal Grant, enter CFDA#:

If applicable enter the State ID #:

What is the required drawdown frequency?

Attachment: Fire - FY24 EMPG Signed Request for Grant Set-Up (8316 : Fire Emergency Management Performance Grant - $71,335.00 - In-Kind

(Ex: Monthly, Quarterly)

If payment is to be sent by Grantor as a Wire,
Please enter any wire reference/identification # that may be used (if known)

Please list all object codes needed for the grant.
(Attach additional sheets if additional orgs and roll-ups are needed):

Org Code: 26932200

Object Codes: 558400

Budget Roll-Up Codes:

I hereby attest that under the penalties of Chapter 656, I will adhere to all regulations in this grant agreement. I am responsible for timely and accurate reimbursements in the amounts listed above.

Signature

10/21/2024
Date

Please attach the following documents:

- Signed Approval to Apply for a Grant Form
- Grant Award Letter
- City Council/Mayor Approval
- Any other relevant documentation

This Form and all relevant attachments will be scanned and attached in the Grant Maintenance module in MUNIS and can be viewed or printed at your convenience.

Attachment: Fire - FY24 EMPG Signed Request for Grant Set-Up (8316 : Fire Emergency Management Performance Grant - $71,335.00 - In-Kind

C# 20250203

COMMONWEALTH OF MASSACHUSETTS ~ STANDARD CONTRACT FORM

10.b

This form is jointly issued and published by the Office of the Comptroller (CTR), the Executive Office for Administration and Finance (ANF), and the Operational Services Division (OSD) as the default contract for all Commonwealth Departments when another form is not prescribed by regulation or policy. The Commonwealth deems void any changes made on or by attachment (in the form of addendum, engagement letters, contract forms or invoice terms) to the terms in this published form or to the Standard Contract Form Instructions, Contractor Certifications and Commonwealth Terms and Conditions which are incorporated by reference herein. Additional non-conflicting terms may be added by Attachment. Contractors are required to access published forms at CTR Forms: https://www.macomptroller.org/forms. Forms are also posted at OSD Forms: https://www.mass.gov/lists/osd-forms.

CONTRACTOR LEGAL NAME:(and d/b/a): SPRINGFIELD, City of	COMMONWEALTH DEPARTMENT NAME: Massachusetts Emergency Management Agency (MEMA)
Legal Address: (W-9, W-4): 36 Court Street, Springfield, MA 01103-1699	Business Mailing Address: 400 Worcester Rd, Framingham, MA 01702
Contract Manager: Tyrone Denson — Phone:	Billing Address (if different): same
E-Mail: tdenson@springfeildcityhall.com	Contract Manager: EM Grants Unit — Phone #:508.630.5727
Contractor Vendor Code: VC6000192140	E-Mail: EM.Grants@mass.gov — Phone #: 508.561.0449
Vendor Code Address ID (e.g. "AD001"): (Note: The Address ID must be set up for EFT payments.)	MMARS Doc ID(s): FY25EMPG2400000SPRIN
	RFR/Procurement or Other ID Number: FFY2024EMPG

X_ NEW CONTRACT

PROCUREMENT OR EXCEPTION TYPE: (Check one option only)

- **Statewide Contract** (OSD or an OSD-designated Department)
- **Collective Purchase** (Attach OSD approval, scope, budget)
- X **Department Procurement** (includes all Grants - 815 CMR 2.00) (Solicitation Notice or RFR, and Response or other procurement supporting documentation)
- **Emergency Contract** (Attach justification for emergency, scope, budget)
- **Contract Employee** (Attach Employment Status Form, scope, budget)
- **Other Procurement Exception** (Attach authorizing language, legislation with specific exemption or earmark, and exception justification, scope and budget)

CONTRACT AMENDMENT

Enter **Current Contract End Date *Prior to* Amendment:** _____.

Enter **Amendment Amount:** _____.

AMENDMENT TYPE: **(Check one option only. Attach details of amendment changes.)**

- **Amendment to Date, Scope or Budget** (Attach updated scope and budget)
- **Interim Contract** (Attach justification for Interim Contract and updated scope/budget)
- **Contract Employee** (Attach any updates to scope or budget)
- **Other Procurement Exception** (Attach authorizing language/justification and updated scope and budget)

The Standard Contract Form Instructions, Contractor Certifications and the following Commonwealth Terms and Conditions document is incorporated by reference into this Contract and are legally binding: (Check ONE option): X Commonwealth Terms and Conditions ___ Commonwealth Terms and Conditions For Human and Social Services

COMPENSATION: (Check ONE option): The Department certifies that payments for authorized performance accepted in accordance with the terms of this Contract will be supported in the state accounting system by sufficient appropriations or other non-appropriated funds, subject to intercept for Commonwealth owed debts under 815 CMR 9.00.

___ **Rate Contract.** (No Maximum Obligation) Attach details of all rates, units, calculations, conditions or terms and any changes if rates or terms are being amended.)

X **Maximum Obligation Contract.** Enter total maximum obligation for total duration of this contract (or ***new*** total if Contract is being amended). **$71,335.00**

PROMPT PAYMENT DISCOUNTS (PPD): Commonwealth payments are issued through EFT 45 days from invoice receipt. Contractors requesting **accelerated** payments must identify a PPD as follows: Payment issued within 10 days ___ % PPD; Payment issued within 15 days ___ % PPD; Payment issued within 20 days ___ % PPD; Payment issued within 30 days ___ % PPD. If PPD percentages are left blank, identify reason: agree to standard 45 day cycle statutory/legal or Ready Payments (M.G.L. c. 29, § 23A); X only initial payment (subsequent payments scheduled to support standard EFT 45 day payment cycle. See Prompt Pay Discounts Policy.)

BRIEF DESCRIPTION OF CONTRACT PERFORMANCE or REASON FOR AMENDMENT:

Funding for this grant is provided via a Federal Fiscal Year 2024 Emergency Management Performance Grant (EMPG), Assisting Listing #97.042 and has a required dollar-for-dollar match. Funds may only be used for activities outlined in the subrecipient's approved FFY2024 EMPG Subgrant Application and in accordance with attached Federal Standard Terms and Conditions, Commonwealth Terms and Conditions, and MEMA Special Conditions and Reporting Requirements.

ANTICIPATED START DATE: (Complete ONE option only) The Department and Contractor certify for this Contract, or Contract Amendment, that Contract obligations:

X 1. may be incurred as of the Effective Date (latest signature date below) and no obligations have been incurred prior to the Effective Date.

___ 2. may be incurred as of_____, 20 , a date **LATER** than the Effective Date below and no obligations have been incurred prior to the Effective Date.

___ 3. were incurred as of_____, 20 , a date **PRIOR** to the Effective Date below, and the parties agree that payments for any obligations incurred prior to the Effective Date are authorized to be made either as settlement payments or as authorized reimbursement payments, and that the details and circumstances of all obligations under this Contract are attached and incorporated into this Contract. Acceptance of payments forever releases the Commonwealth from further claims related to these obligations.

CONTRACT END DATE: Contract performance shall terminate as of **June 30, 2025,** with no new obligations being incurred after this date unless the Contract is properly amended, provided that the terms of this Contract and performance expectations and obligations shall survive its termination for the purpose of resolving any claim or dispute, for completing any negotiated terms and warranties, to allow any close out or transition performance, reporting, invoicing or final payments, or during any lapse between amendments.

CERTIFICATIONS: Notwithstanding verbal or other representations by the parties, the **"Effective Date"** of this Contract or Amendment shall be the latest date that this Contract or Amendment has been executed by an authorized signatory of the Contractor, the Department, or a later Contract or Amendment Start Date specified above, subject to any required approvals. The Contractor certifies that they have accessed and reviewed all documents incorporated by reference as electronically published and the Contractor makes all certifications required under the Standard Contract Form Instructions and Contractor Certifications under the pains and penalties of perjury, and further agrees to provide any required documentation upon request to support compliance, and agrees that all terms governing performance of this Contract and doing business in Massachusetts are attached or incorporated by reference herein according to the following hierarchy of document precedence, this Standard Contract Form, the Standard Contract Form Instructions, Contractor Certifications, the applicable Commonwealth Terms and Conditions, the Request for Response (RFR) or other solicitation, the Contractor's Response, and additional negotiated terms, provided that additional negotiated terms will take precedence over the relevant terms in the RFR and the Contractor's Response only if made using the process outlined in 801 CMR 21.07, incorporated herein, provided that any amended RFR or Response terms result in best value, lower costs, or a more cost effective Contract.

AUTHORIZING SIGNATURE FOR THE CONTRACTOR:

X: Domenic J. Sarno. Date: 9/27/24

Print Name / Title: Domenic J. Sarno - Mayor

AUTHORIZING SIGNATURE FOR THE COMMONWEALTH:

X: Randall Lui. Date: 10.9.24

Print Name / Title: Randall Lui, Chief Financial Officer

KB 10/2

Attachment: Fire - Springfield 24 EMPG Signed Contract & CASL (8316 : Fire Emergency Management Performance Grant - $71,335.00 - In-Kind

For the Recipient
City of Springfield
Acting by and through the Springfield Fire Dept

Approved

9/24/2024

Bernard Calvi
Fire Commissioner

Date

APPROVED TO APPROPRIATION: N/A

9.25.24

Office of the City Comptroller
Deputy

Date

APPROVED TO FORM:

CITY SOLICITOR or Designee

Date

REVIEWED:

9/27/24

CAFO or Designee

Date

DLP

Attachment: Fire - Springfield 24 EMPG Signed Contract & CASL (8316 : Fire Emergency Management Performance Grant - $71,335.00 - In-Kind

Commonwealth of Massachusetts
CONTRACTOR AUTHORIZED SIGNATORY LISTING

This form is jointly issued and published by the Office of the Comptroller (CTR) and the Operational Services Division (OSD) as the default form for all Commonwealth Departments when another form is not prescribed by regulation or policy.

Signature for Corporation (C or S), Partnership, Trust/Estate, Limited Liability Company (must match Form W-9 tax classification)

Contractor/Subrecipient Legal Name	Vendor Code / FFY Grant Program
City of Springfield	24EMPG

INSTRUCTIONS: Any Contractor (other than a sole-proprietor or an individual contractor) must provide a listing of individuals who are authorized as legal representatives of the Contractor who can sign contracts and other legally binding documents related to the contract on the Contractor's behalf. In addition to this listing, any state department may require additional proof of authority to sign contracts on behalf of the Contractor, or proof of authenticity of signature (a notarized signature that the Department can use to verify that the signature and date that appear on the Contract or other legal document was actually made by the Contractor's authorized signatory, and not by a representative, designee or other individual.)

For privacy purposes DO NOT ATTACH any documentation containing personal information, such as bank account numbers, social security numbers, driver's licenses, home addresses, social security cards or any other personally identifiable information that you do not want released as part of a public record. The Commonwealth reserves the right to publish the names and titles of authorized signatories of contractors.

There are three types of electronic signatures that will be accepted on this form: 1) Traditional "wet signature" (ink on paper); 2) Electronic signature that is either: a. hand drawn using a mouse or finger if working from a touch screen device; or b. An upload picture of the signatory's hand drawn signature; 3) Electronic signature affixed using a digital tool such as Adobe Sign or DocuSign. Typed text of a name not generated by a digital tool, computer generated cursive, or an electronic symbol are not acceptable forms of electronic signature.

Authorized Signatory Name	Tile	Phone Number	Email Address
Domenic J. Sarno	Mayor	413-787-6100	msarno@springfieldcityhall.co
Thomas Moore	Associate City Solicitor	413-886-5207	tmoore@springfieldcityhall.com
Patrick Burns	Comptroller	413-787-6153	pburns@springfieldcityhall.com
Cathy Buono	CAFO	413-886-5504	cbuono@springfieldcityhall.co
Joanne Raleigh	Deputy Comptroller	413-787-6152	jraleigh@springfieldcityhall.co
Lindsay Hackett	Dep CAFO	787 7818	lhackette "

Acceptance of any payment under a Contract or Grant shall operate as a waiver of any defense by the Contractor challenging the existence of a valid Contract due to an alleged lack of actual authority to execute the document by the signatory.

I certify that I am a responsible authorized officer of the Contractor and as an authorized officer of the Contractor I certify that the names of the individuals identified on this listing are current as of the date of execution and that these individuals are authorized to sign contracts and other legally binding documents related to contracts with the Commonwealth of Massachusetts on behalf of the Contractor. I understand and agree that the Contractor has a duty to ensure that this listing is immediately updated and communicated to any state department with which the Contractor does business whenever the authorized signatories above retire, are otherwise terminated from the Contractor's employ, have their responsibilities changed resulting in their no longer being authorized to sign contracts with the Commonwealth or whenever new signatories are designated.

Please note you cannot self-certify your own signature as a single signer listed above.

Signature	LBHackett			Date	9/27/24
Print Name	Lindsay Hackett	Phone Number	413-787-7818	Email	lhackette@springfieldcityhall.com

A copy of this listing must be attached to the "record copy" of a contract filed with the department.

Attachment: Fire - Springfield 24 EMPG Signed Contract & CASL (8316 : Fire Emergency Management Performance Grant - $71,335.00 - In-Kind

Federal Funding Accountability and Transparency Act Compliance Form

Please complete and return this form with contracts or Interdepartmental Service Agreement materials.

Part 1. In accordance with the Federal Funding Accountability and Transparency Act (FFATA), Massachusetts Emergency Management Agency (MEMA) may only award grants and contracts to entities with Dun and Bradstreet Data Universal Numbering System numbers (DUNS). DUNS numbers are used as identifiers for tracking purposes and to validate address and point of contact information for federal assistance applicants, recipients, and subrecipients. The DUNS number will be used throughout a grant's life cycle. Please consult your accounting department to obtain your organization's nine-digit DUNS number. If necessary, you may obtain one by calling 1-866-705-5711 or by applying online at http://fedgov.dnb.com/webform/displayHomePage.do.

Part 1 - Table 1. Award Information

Name of Entity Receiving Award	City of Springfield
Street Address	36 Court Street
City, State, Zip	Springfield, MA 01103
Contact Name	Tyrone Denson
Contact's Phone Number	413-787-6183
Congressional District	1st Congressional District of Massachusetts
Amount of Award	$71,335.00
DUNS and UEI Number	CKWEXLA12KD3
Transaction Type	EFT
CFDA number or NAICS code	CFDA #97.042
Program Source	FFY24 Emergency Management Performance Grant
Award Title	FFY24 EMPG

Part 2. In certain instances, FFATA requires information be collected regarding executive compensation. If the gross revenue of your organization exceeds $25,000,000 and more than 80% of the gross revenue is from federal sources, the names, titles, and salaries of the executives with the five highest salaries must be provided. If your organization *meets these criteria*, you must complete Table 1 below.

Part 2 - Table 1 - Executive Compensation (by salary)

First and Last Name	Title	Annual Salary

If your organization *does not meet* the above criteria, please check the statement below in Table 2.

Part 2 - Table 2 – Does Not Meet Criteria

✓	The gross revenue of my organization does not exceed $25,000,000 and/or more than 80% of the gross revenue of my organization is not from federal sources

Signature of Authorized Official	Tyrone Denson	**Date**	9/23/2024
Print Name of Authorized Official	Tyrone Denson	**Title**	District Chief of Emergency Preparedness

Attachment: Fire - Springfield 24 EMPG Signed Contract & CASL (8316 : Fire Emergency Management Performance Grant - $71,335.00 - In-Kind

City Council

SCHEDULED

Meeting: 11/18/24 07:00 PM
Initiator: Gianna Berardi
Sponsors: Mayor Domenic J. Sarno
DOC ID: 8313

FY25 SHINE Grant Amendment Increase - No Match Required $80,158.15 (Mayor Sarno)

WHEREAS, the Department of Elder Affairs ("Department") has been awarded a Servicing the Health Information Needs of Elders (SHINE) Grant Award increase of $80,158.15 bringing the total grant award to $154,491.15 From the Massachusetts Executive Office of Elder Affairs for the period starting October 11, 2024 and ending June 30, 2025; and

WHEREAS, the grant funds provide health insurance and medical information, screening and application assistance to low income seniors; and

WHEREAS, the Department intends to use the grant funds to provide information, screening and application assistance regarding Low Income subsidy (LIA), Medicare Savings Plans (MSP), Medicare Part D enrollment and State Pharmaceutical Assistance Program (prescription Advantage) to all Medicare beneficiaries who may qualify; and

WHEREAS, the Department has accepted the grant and requests authorization from the City Council and the Mayor to expend the grant funds listed below for the purposes of such grants; and

WHEREAS, the Chief Administrative and Financial Officer, after an evaluation of all pertinent financial information reasonably available, has certified that the City's financial resources and revenues are and will continue to be adequate to support the proposed expenditures and obligations involved in the City Council Order authorizing the expenditure of the grant funds listed herein, subject to the approval of the Mayor, without a detrimental impact on the continuous provision of the existing level of municipal services, in accordance with Section 2(f) of Chapter 656 of the Acts of 1989, as added by Section 1 of Chapter 468 of the Acts of 2008.

NOW THEREFORE BE IT ORDERED, acting pursuant to Mass. Gen. Laws ch. 44, sec. 53A, that the City Council approves the expenditure by the Department of the grant funds listed below for the purposes of such grant, subject to the approval of the Mayor, and the grant funds received shall be deposited with the City Treasurer and held as a separate account and may be expended for the purposes of the grant without further appropriation:

FY25 SHINE Grant Amendment Increase - No Match Required $80,158.15

REQUEST FOR GRANT SETUP

This form and the required attachments are required by the Office of the City Comptrollers before a Grant Fund and related accounts will be created in MUNIS. Please do not use this form for requesting a non-grant related account to be created – use the Request for New Account form instead. Please return this form and the required attachments to the Office of the City Comptrollers.

All fields are mandatory.

Date of Request **10/24/2024**

Department Requesting Grant Setup **DEA**

Department Phone # (Please include extension) **413-886-5223 EXT-5223**

Name and Title of Person to Contact in Case of Questions **F.A.M.-Carol Gasque**

Was this Grant previously setup for a prior fiscal year? **Y**
If yes, please indicate your previous project number: **82324**

If this is a new Grant, have you filled out the "Approval to apply for a grant" Form?
(Y/N) N If yes, please attach a copy of the Approved Form.

Grant Type:
State – Highway
Federal Pass-Through DOE– School
Federal Direct– School
Federal – City
State DOE– School
State Other – School
State – City
Private/Other

Grant Name: **SHINE – Amendment $80,158.15 - FY25**

Total Grant Amount Awarded: $74, 333.00 plus amendment $ 80,158.15 = **$154,491.15**

Attachment: SHINE Amendment FY25 - $80158.15 (8313 : FY25 SHINE Grant Amendment Increase - No Match Required $80,158.15)

Is this a Reimbursable Grant? **Yes** (Y/N)
A Reimbursable Grant is defined as one that requires that you pay for expenses first and then you apply to the grantor for a reimbursement of the exact amount actually expended.

If it is a Reimbursable Grant, please enter Grantor contact information or the CID # if Grantor is already in the customer file:

Entity Name **Executive Office of Elder Affairs**
Contact Person **Neil Petrocelli**
Street Address **1 Ashburton Place, 5th Floor**
City, State, Zip Code **Boston, MA 02108**
Telephone **1-617-727-7750**
Fax
E-Mail

Actual Award Date 10/11/2024 - amendment
Board Approval Date
Start Date **10/11/2024**
Expiration Date **6/30/2025**
Renewal Action Date (optional)
If there are any Matching Funds:
Type
Percent
Amount
Is there any Leverage?
Source
Amount

Comments re: Description/Purpose of Grant
Funding supports Health Care for Homeless program and staff

Comments re: Conditions/Restrictions of Grant

If this is a Federal Grant, enter CFDA#:

If applicable enter the State ID # :

What is the required drawdown frequency?
(Ex: Monthly, Quarterly)

If payment is to be sent by Grantor as a Wire,
Please enter any wire reference/identification # that may be used (if known)
Please list all object codes needed for the grant.
(Attach additional sheets if additional orgs and roll-ups are needed):

Attachment: SHINE Amendment FY25 - $80158.15 (8313 : FY25 SHINE Grant Amendment Increase - No Match Required $80,158.15)

Org Code: 28235404

Object Codes:

Budget Roll-Up Codes:

Wages: 501000	85,068.20
Payroll Taxes/Fringe: 517010	7,943.00
Professional Services: 530105	31,152.95
Advertising: 534300	14,000.00
Office Supplies: 542010	7,500.00
Travel: 571100	1,795.00
Indirect Cost: 578700	7,032.00
	154,491.15

I hereby attest that under the penalties of Chapter 656, I will adhere to all regulations in this grant agreement. I am responsible for timely and accurate reimbursements in the amounts listed above.

Carol K Gasque
Signature

10/24/24
Date

Please attach the following documents:

- Signed Approval to Apply for a Grant Form
- Grant Award Letter
- City Council/Mayor Approval
- Any other relevant documentation

This Form and all relevant attachments will be scanned and attached in the Grant Maintenance module in MUNIS and can be viewed or printed at your convenience.

Attachment: SHINE Amendment FY25 - $80158.15 (8313 : FY25 SHINE Grant Amendment Increase - No Match Required $80,158.15)

Gasque, Carol

Subject: FW: [External] RE: [External] RE: Earmark Update

From: Petrocelli, Neil (ELD) <neil.petrocelli@mass.gov>
Sent: Friday, October 11, 2024 3:36 PM
To: Germain, Alicia M. <AGermain@springfieldcityhall.com>
Cc: Gasque, Carol <CGasque@springfieldcityhall.com>
Subject: [External] RE: [External] RE: Earmark Update

Enclosed is your Shine amendment for the Shine program. (federal program only). Please review and sign and fill out the budget page accordingly. Scan and email back to me asap.

Thank you,
Neil

From: Germain, Alicia M. <AGermain@springfieldcityhall.com>
Sent: Friday, October 11, 2024 2:33 PM
To: Petrocelli, Neil (ELD) <neil.petrocelli@mass.gov>
Subject: RE: [External] RE: Earmark Update

CAUTION: This email originated from a sender outside of the Commonwealth of Massachusetts mail system. Do not click on links or open attachments unless you recognize the sender and know the content is safe.

mail originated outside our organization; please use caution.

Attachment: SHINE Amendment FY25 - $80158.15 (8313 : FY25 SHINE Grant Amendment Increase - No Match Required $80,158.15)

COMMONWEALTH OF MASSACHUSETTS ~ STANDARD CONTRACT FORM

This form is jointly issued and published by the Office of the Comptroller (CTR), the Executive Office for Administration and Finance (ANF), and the Operational Services Division (OSD) as the default contract for all Commonwealth Departments when another form is not prescribed by regulation or policy. The Commonwealth deems void any changes made on or by attachment (in the form of addendum, engagement letters, contract forms or invoice terms) to the terms in this published form or to the Standard Contract Form Instructions and Contractor Certifications, the Commonwealth Terms and Conditions for Human and Social Services or the Commonwealth IT Terms and Conditions which are incorporated by reference herein. Additional non-conflicting terms may be added by Attachment. Contractors are required to access published forms at CTR Forms: https://www.macomptroller.org/forms. Forms are also posted at OSD Forms: https://www.mass.gov/lists/osd-forms.

CONTRACTOR LEGAL NAME: : City of Springfield (Dept. of Elder Affairs (and d/b/a):	**CONTRACTOR LEGAL NAME: : City of Springfield (Dept. of Elder Affairs (and d/b/a):**
Legal Address: (W-9, W-4): 36 Court St., Springfield, MA 01103-1699	**Legal Address: (W-9, W-4): 36 Court St., Springfield, MA 01103-1699**
Contract Manager: Carol Gasque / **Phone: 1-413 886-5223**	**Billing Address (if different):**
Email: cgasque@springfieldcityhall.com / **Fax: 1-413-750-2694**	**Contract Manager: NEIL PETROCELLI** / **Phone: 617-222-7427**
Contractor Vendor Code: VC6000192140	**E-Mail: neil.petrocelli@MASS.GOV** / **Fax: 1-617-727-9368**
Vendor Code Address ID (e.g. "AD001"): AD001 . (Note: The Address ID must be set up for EFT payments.)	**MMARS Doc ID(s): CT ELD 0364SHINEPROGRAM2023SPNG**
	RFR/Procurement or Other ID Number: EOEA-RFR-2022-001 SHINE

___ NEW CONTRACT

PROCUREMENT OR EXCEPTION TYPE: (Check one option only)

- __ **Statewide Contract** (OSD or an OSD-designated Department)
- __ **Collective Purchase** (Attach OSD approval, scope, budget)
- __ **Department Procurement** (includes all Grants - 815 CMR 2.00) (Solicitation Notice or RFR, and Response or other procurement supporting documentation)
- __ **Emergency Contract** (Attach justification for emergency, scope, budget)
- __ **Contract Employee** (Attach Employment Status Form, scope, budget)
- __ **Other Procurement Exception** (Attach authorizing language, legislation with specific exemption or earmark, and exception justification, scope and budget)

_x_ CONTRACT AMENDMENT

Enter **Current Contract End Date *Prior*** to Amendment **June 30, 2025, .**

Enter **Amendment Amount: $ 80,158.15** . (or "no change")

AMENDMENT TYPE: (Check one option only. Attach details of amendment changes.)

- _x_ **Amendment to Date, Scope or Budget** (Attach updated scope and budget)
- __ **Interim Contract** (Attach justification for Interim Contract and updated scope/budget)
- __ **Contract Employee** (Attach any updates to scope or budget)
- __ **Other Procurement Exception** (Attach authorizing language/justification and updated scope and budget)

The Standard Contract Form Instructions and Contractor Certifications and the following Commonwealth Terms and Conditions document are incorporated by reference into this Contract and are legally binding: (Check ONE option): __ Commonwealth Terms and Conditions _X_ Commonwealth Terms and Conditions For Human and Social Services __ Commonwealth IT Terms and Conditions

COMPENSATION: (Check ONE option): The Department certifies that payments for authorized performance accepted in accordance with the terms of this Contract will be supported in the state accounting system by sufficient appropriations or other non-appropriated funds, subject to intercept for Commonwealth owed debts under 815 CMR 9.00.

__ **Rate Contract.** (No Maximum Obligation) Attach details of all rates, units, calculations, conditions or terms and any changes if rates or terms are being amended.)

_X_ **Maximum Obligation Contract.** Enter total maximum obligation for total duration of this contract (or ***new*** total if Contract is being amended). **$ 350,201.58** .

PROMPT PAYMENT DISCOUNTS (PPD): Commonwealth payments are issued through EFT 45 days from invoice receipt. Contractors requesting **accelerated** payments must identify a PPD as follows: Payment issued within 10 days __% PPD; Payment issued within 15 days __ % PPD; Payment issued within 20 days __ % PPD; Payment issued within 30 days __% PPD. If PPD percentages are left blank, identify reason: _x_ agree to standard 45 day cycle __ statutory/legal or Ready Payments (M.G.L. c. 29, § 23A); __ only initial payment (subsequent payments scheduled to support standard EFT 45 day payment cycle. See Prompt Pay Discounts Policy.)

BRIEF DESCRIPTION OF CONTRACT PERFORMANCE or REASON FOR AMENDMENT: (Enter the Contract title, purpose, fiscal year(s) and a detailed description of the scope of performance or what is being amended for a Contract Amendment. Attach all supporting documentation and justifications.) This contract amendment is for additional shine funding for SFY2025. .

ANTICIPATED START DATE: (Complete ONE option only) The Department and Contractor certify for this Contract, or Contract Amendment, that Contract obligations:

_x_ 1. may be incurred as of the Effective Date (latest signature date below) and **no** obligations have been incurred **prior** to the Effective Date.

_____ 2. may be incurred as of , a date **LATER** than the Effective Date below and **no** obligations have been incurred **prior** to the Effective Date.

___ 3. were incurred as of __ , a date **PRIOR** to the Effective Date below, and the parties agree that payments for any obligations incurred prior to the Effective Date are authorized to be made either as settlement payments or as authorized reimbursement payments, and that the details and circumstances of all obligations under this Contract are attached and incorporated into this Contract. Acceptance of payments forever releases the Commonwealth from further claims related to these obligations.

CONTRACT END DATE: Contract performance shall terminate as of **JUNE 30, 2025,** with no new obligations being incurred after this date unless the Contract is properly amended, provided that the terms of this Contract and performance expectations and obligations shall survive its termination for the purpose of resolving any claim or dispute, for completing any negotiated terms and warranties, to allow any close out or transition performance, reporting, invoicing or final payments, or during any lapse between amendments.

CERTIFICATIONS: Notwithstanding verbal or other representations by the parties, the **"Effective Date"** of this Contract or Amendment shall be the latest date that this Contract or Amendment has been executed by an authorized signatory of the Contractor, the Department, or a later Contract or Amendment Start Date specified above, subject to any required approvals. The Contractor certifies that they have accessed and reviewed all documents incorporated by reference as electronically published and the Contractor makes all certifications required under the Standard Contract Form Instructions and Contractor Certifications under the pains and penalties of perjury, and further agrees to provide any required documentation upon request to support compliance, and agrees that all terms governing performance of this Contract and doing business in Massachusetts are attached or incorporated by reference herein according to the following hierarchy of document precedence, the applicable Commonwealth Terms and Conditions, this Standard Contract Form, the Standard Contract Form Instructions and Contractor Certifications, the Request for Response (RFR) or other solicitation, the Contractor's Response (excluding any language stricken by a Department as unacceptable, and additional negotiated terms, provided that additional negotiated terms will take precedence over the relevant terms in the RFR and the Contractor's Response only if made using the process outlined in 801 CMR 21.07, incorporated herein, provided that any amended RFR or Response terms result in best value, lower costs, or a more cost effective Contract.

AUTHORIZING SIGNATURE FOR THE CONTRACTOR:

X: ✓ Domenico J Sarno . Date: ✓ 10/17/2024

(Signature and Date Must Be Handwritten At Time of Signature)

Print Name: Domenico J. Sarno.

Print Title: MAYOR .

AUTHORIZING SIGNATURE FOR THE COMMONWEALTH:

X: _____ . Date: _____ .

(Signature and Date Must Be Handwritten At Time of Signature)

Print Name: Christina Martinez .

Print Title: Director of Accounting and Contracts

Attachment: SHINE Amendment FY25 - $80158.15 (8313 : FY25 SHINE Grant Amendment Increase - No Match Required $80,158.15)

FY 2025 Contractor Name: City of Springfield Amendment #6, If Federal Funds, CFDA: 93.779

PURCHASE OF SERVICE
ATTACHMENT 4: RATE CALCULATION/MAXIMUM OBLIGATION CALCULATION PAGE

Program Name: SHINE PROGRAM	Document ID#: CT ELD 0364 SHINE PROGRAM2023spng	MMARS Code: 8036	Program Type Counseling Services	UFR Prog. # EOEA-RFR-2022-001 SHINE

AMENDMENT #5 IF APPLICABLE:

UNIT RATE CALCULATION

1. Program Total Costs $

2a. Program Offsets:

Source	Amount

2b. Offsets for Non-Reimbursable Costs: _____ _____
Note: Total non-reimbursable costs listed in line 2b must be detailed on Attachment 5.

2. Subtotal Offsets (Line 2a + Line 2b) ($_____)

3. Net Adjusted Program Costs (LINE 1 minus LINE 2) $_

4. Total Program Capacity (# of units) _____ (Type of unit)

5. Share of Total Capacity Purchased by Contract (# of units) % (% of line 4)

6. Negotiated Utilization Factor, if any _____%

7. Adjusted Capacity Used to Establish Price (LINE 4 x LINE 6) (# of units)

8. Unit Rate (LINE 3 DIVIDED BY LINE 7)

9. Maximum # of Billable Units (LINE 5 x LINE 6)

OTHER PRICE CALCULATION METHOD

10. Enter relevant information: _____

MAXIMUM OBLIGATION CALCULATION

11. for Unit Rate: Line 8 X Line 9 (**FY 2025**) $154,491.15
For Other Price Calculation Method, Enter Obligation from Line 10
For Cost Reimbursement: Enter Reimbursable Cost Total from Program Budget

12. Invoice Offset

SOURCE	AMOUNT

12. Subtotal: $ 0.00

13. Maximum Obligation for the Program (LINE 11 minus LINE 12) $154,491.15

14. Capital Budget (from Capital Budget Form), if applicable $ 0.00

15. **Total Maximum Obligation for Program** (LINE 13 + LINE 14) $154,491.15

FOR INFORMATION ONLY:

Other Revenue Sources (Only if % in LINE 5 is less than 100%)

SOURCE	AMOUNT

Attachment: SHINE Amendment FY25 - $80158.15 (8313 : FY25 SHINE Grant Amendment Increase - No Match Required $80,158.15)

FY 2025 Amendment #6, If Applicable: If Federal Funds, CFDA #: 93.779

PURCHASE OF SERVICE - ATTACHMENT 1: PROGRAM COVER PAGE

PROGRAM INFORMATION

Contractor Name: City of Springfield	Department Name: Executive Office of Elder Affairs
Program Type: SHINE Counseling Services	Document ID #: CT ELD 0364 shineprogram2023spng
Program Name: SHINE Program	UFR Program #:
Program Address: **1476 Roosevelt Ave**	MMARS Program Code: 8036
City/State/Zip: **Springfield, MA. 01109**	Other Reference Information (Information Purposes Only):
Contact Person: Carol Gasque Telephone: (413) 886-5223- fax – 413-750-2694 Emai–cgasque@springfieldcityhall.com	Contact Person: Cynthia Phillips, SHINE Director Neil Petrocelli, Contracts Manager Telephone: (617) 727-7750

RFR INFORMATION: ☐ Attached x RFR Reference # EOEA RFR-2022-001 SHINE
☐ legislative exemption ☐ emergency ☐ collective purchase ☐ interim ☐ amendment

SCOPE OF SERVICES: ☐ Bidders Response Attached x Description of Services Attached

TOTAL ANTICIPATED CONTRACT DURATION: 7/1/22 to 6/30/28

INITIAL DURATION: 7/1/22 to 6/30/25

OPTIONS TO RENEW: **THREE options remain**

FISCAL TERMS

PRICE IS ESTABLISHED THROUGH: (CHECK 1,2, OR 3)

OPTION 1: PRICE AGREEMENT (list price)
$_____
rate regulation (if any) 651 CMR

☐ **OPTION 2: SUMMARY BUDGET** (T lines only)
☐ unit rate
☐ cost reimbursement
☐ other _____

x **OPTION 3: COMPLETE BUDGET**
x cost reimbursement
☐ unit rate
☐ other

FUNDING SUMMARY

Prior Years		Current Year		Future Years	
FY	Amount	FY	Amount	FY	Amount
2023	$121,377.43	2025	$154,491.15		
2024	$ 74,333.00				
Total : $195,710.43		Total $154,491.15			

Multi-Year Total: $350,201.58

CURRENT MAX OBLIGATION: $ 154,491.15 UNIT RATE: $ _____ # BILLABLE UNITS: ___

ADDITIONAL PAYMENT OR PRICE SPECIFICATIONS:
Reimbursement will be made via Payment Voucher with the Executive Office of Elder Affairs Standard Invoice. Payment Vouchers are due at Elder Affairs on a monthly basis on the 10th day of the month following the monthly service delivery period. It is incumbent upon the contractor to maintain all records, time sheets, documentation, ect. that supports the cost for which reimbursement is requested (including sub-contractors.)

BRIEF DESCRIPTION OF PERFORMANCE:

Attachment: SHINE Amendment FY25 - $80158.15 (8313 : FY25 SHINE Grant Amendment Increase - No Match Required $80,158.15)

City Council

SCHEDULED

Meeting: 11/18/24 07:00 PM
Initiator: Madison Woodard
Sponsors: Mayor Domenic J. Sarno
DOC ID: 8315

Bills of Prior Year - Various Departments - $12,238.49 (Mayor Sarno)

WHEREAS, to meet expenses incurred by the City of Springfield, pursuant to Mass. Gen. Laws Ch. 44 Section 64 and Chapter 468 of the Acts of 2008, the Chief Administrative and Financial Officer ("CAFO") and his Honor the Mayor have requested authorization from the City Council that the Departments listed on the attached CAFO certification may pay bills from a previous fiscal year totaling $12,238.49; and

WHEREAS, the departments listed will make payment for unpaid bills of a previous fiscal year from their FY25 General Fund Operating Budgets; and

WHEREAS, the Chief Administrative and Financial Officer has provided a written certification to the Mayor and City Council, that in her professional opinion, after an evaluation of all pertinent financial information reasonably available, the City's financial resources and revenues are and will continue to be adequate to support the proposed expenditures and obligations involved in the payments, without a detrimental impact on the continuous provision of the existing level of municipal services, in accordance with Section 2(f) of Chapter 656 of the Acts of 1989, as added by Section 1 of Chapter 468 of the Acts of 2008;

NOW THEREFORE BE IT ORDERED, that the City Council approves the payments of the bills listed on the attached CAFO certification from the FY25 General Fund Departmental Operating Budgets for the expenses incurred in a previous fiscal year.

Bills of Prior Year - Various Departments - $12,238.49

City of Springfield
36 Court Street
Springfield, MA 01103

Division of Administration
and Finance

To: **Springfield City Council**

From: **Cathy Buono, Chief Administrative & Financial Officer**

Date: **November 18th, 2024**

Re: **Order for Council Meeting – 11/18/24**

Cc: **Mayor Domenic J. Sarno**

Purpose: The purpose of this memo is to provide an explanation of the order sponsored by the Mayor for the November 18th, 2024 Council meeting, which authorizes the City to pay $12,238.49 toward bills for services rendered in a prior year.

Background: This is a request to allow two departments to pay previous year's bills from their current year (FY25) operating budgets. Listed below are the departments, invoices, due dates, reasons and amounts.

Department	Invoice #	Vendor	Date	Reason	Amount
Law	S24-06003	The Maverick Group	6/11/2024	FY24 Services Rendered	$ 728.25
Law	202.5	Campion Consulting Services	6/28/2024	FY24 Services Rendered	$ 9,112.50
Elections	725759757	Xerox	6/3/2023	FY23 Services Rendered	$ 2,397.74
Total					**$12,238.49**

CAFO Certification: This memorandum will confirm that in my professional opinion, as the Chief Administrative and Financial Officer, after an evaluation of all pertinent financial information reasonably available, that the City's financial resources and revenues are and will continue to be adequate to support the proposed expenditures and obligations involved in this City Council Order, without a detrimental impact on the continuous provision of the existing level of municipal services, in accordance with Section 2(f) of Chapter 656 of the Acts of 1989, as added by Section 1 of Chapter 468 of the Acts of 2008.

This certification is made in accordance with Section 2(f) of Chapter 656 of the Acts of 1989, as added by Section 1 of Chapter 468 of the Acts of 2008.

Attachment: CAFO Cert BOPY's (8315 : Bills of Prior Year - Various Departments - $12,238.49)

FY24 Free Cash to Various Deficits - $99,517.09 (Mayor Sarno)

WHEREAS, to meet the expenses of the City of Springfield, pursuant to Mass. Gen. Laws Ch. 44, Section 33B, Ch. 59, Section 23 and Chapter 468 of the Acts of 2008, the Chief Administrative and Financial Officer and his Honor the Mayor have requested authorization from the City Council to transfer the sum of $99,517.09 from FY24 Certified Free Cash to cover various deficits in departmental budget line items.

WHEREAS, after reviewing this order, the Chief Administrative and Financial Officer has certified to the Mayor and City Council, that in her professional opinion, after an evaluation of all pertinent financial information reasonably available, the City's financial resources and revenues are and will continue to be adequate to support the proposed expenditures and obligations involved in the transfer, without a detrimental impact on the continuous provision of the existing level of municipal services, in accordance with Section 2(f) of Chapter 656 of the Acts of 1989, as added by Section 1 of Chapter 468 of the Acts of 2008.

NOW THEREFORE BE IT ORDERED, that the City Council approves the transfer of the sum of $99,517.09 from FY24 Certified Free Cash to various deficits in departmental budget line items.

From:

FY24 Certified Free Cash - Other Financing Uses

0100-703000	**$99,517.09**

To:

Finance - Special Purpose Fund

1901-700000	**$1,343.65**

DPW - Chapter 90 - FY14

2329-700000	**$3,164.89**

DPW - Chapter 90 - FY15

2329-700000	**$6,550.00**

DPW - Chapter 90 - FY16

2329-700000 **$3,561.88**

DPW - Chapter 90 - FY17

2329-700000 **$125.00**

Parks-STARS Residencies FY16

2799-700000 **$4,997.00**

Parks - Tree Wells

2891-700000 **$9,581.75**

Health - Mass Call FY21

2897-700000 **$397.00**

Health - FLU Clinics - HMCC

2897-700000 **$446.00**

Health - Mass Substance Abuse

2897-700000 **$9,898.71**

Health - MLCHC - Emergency Preparedness FY20

2995-700000 **$1,513.68**

Schools - Breakfast in the Classroom

2998-700000 **$34,321.00**

Schools - Davis Foundation - Preschool

2998-700000 **$23,616.53**

City of Springfield
36 Court Street
Springfield, MA 01103

Division of Administration and Finance

To: **Springfield City Council**

From: **Cathy Buono, Chief Administrative & Financial Officer**

Date: **November 18, 2024**

Re: **Order for Council Meeting – November 18, 2024**

Cc: **Mayor Sarno**

Purpose: The purpose of this memo is to provide an explanation of the order sponsored by the Mayor for the November 18, 2024 City Council meeting, which requests a transfer of $99,517.09 from Fiscal Year 2024 Free Cash to cover various deficits in departmental budget line items.

Background: This transfer is necessary to eliminate the various deficits as recommended by DOR (Department of Revenue).

Department	Account#	Account Description	Transfer Out	Transfer In
FY24 Free Cash	0100-703000	Free Cash	$ 99,517.09	
Finance	1901-700000	Special Purpose Fund		$ 1,343.65
DPW	2329-700000	Chapter 90 - FY 14		$ 3,164.89
DPW	2329-700000	Chapter 90 - FY 15		$ 6,550.00
DPW	2329-700000	Chapter 90 - FY 16		$ 3,561.88
DPW	2329-700000	Chapter 90 - FY 17		$ 125.00
Parks	2799-700000	STARS Residencies FY16		$ 4,997.00
Parks	2891-700000	Tree Wells		$ 9,581.75
Health	2897-700000	Mass Call FY 21		$ 397.00
Health	2897-700000	FLU Clinics - HMCC		$ 446.00
Health	2897-700000	Mass Substance Abuse		$ 9,898.71
Health	2995-700000	MLCHC-Emergency Prepardness FY20		$ 1,513.68
Schools	2998-700000	Breakfast in the Classroom		$ 34,321.00
Schools	2998-700000	Davis Foundation - Preschool		$ 23,616.53
TOTAL			**$ 99,517.09**	**$ 99,517.09**

CAFO Certification: This memorandum will confirm that in my professional opinion, as the Chief Administrative and Financial Officer, after an evaluation of all pertinent financial information reasonably available, that the City's financial resources and revenues are and will continue to be adequate to support the proposed expenditures and obligations involved in this City Council Order, without a detrimental impact on the continuous provision of the existing level of municipal services, in accordance with Section 2(f) of Chapter 656 of the Acts of 1989, as added by Section 1 of Chapter 468 of the Acts of 2008.

This certification is made in accordance with Section 2(f) of Chapter 656 of the Acts of 1989, as added by Section 1 of Chapter 468 of the Acts of 2008.

Attachment: CAFO Cert - Free Cash Transfer to Cover Deficits (8312 : FY24 Free Cash to Various Deficits- $99,517.09)

City of Springfield - Free Cash Calculation
Grant Deficits to Raise Per DOR

Fund	Object	Account Description	Amount
1901	700000	Special Purpose Fund	1,343.65
2329	700000	Chapter 90 - FY 14	3,164.89
2329	700000	Chapter 90 - FY 15	6,550.00
2329	700000	Chapter 90 - FY 16	3,561.88
2329	700000	Chapter 90 - FY 17	125.00
2799	700000	STARS Residencies FY16	4,997.00
2891	700000	Tree Wells	9,581.75
2897	700000	Mass Call FY 21	397.00
2897	700000	FLU Clinics - HMCC	446.00
2897	700000	Mass Substance Abuse	9,898.71
2995	700000	MLCHC-Emergency Prepardness FY20	1,513.68
2998	700000	Breakfast in the Classroom	34,321.00
2998	700000	Davis Foundation - Preschool	23,616.53
		Total	**99,517.09**

Attachment: Copy of Grant Deficits Transfer Free Cash (8312 : FY24 Free Cash to Various Deficits- $99,517.09)

OtherOther Receivables, Overdrawn Accounts, Deficits	
Cash Reconciliation Variance	706.00
OR Personal Property Variance	55.00
OR Real Estate Variance	133.00
Departmental Accounts Receivable Uncollected Taxes	36.00
GF TB Prepaids	4,559.00
BS Checklist Property Tax Refund	871,719.00
CP MHD Ch 90 FY14	3,165.00
CP MHD Ch 90 FY15	6,550.00
CP MHD Ch 90 FY16	3,562.00
CP MHD Ch 90 FY17	125.00
CP MHD Ch 90 FY20	22,200.00
CP MHD Ch 90 FY22	75,093.00
CP East Forest Park Library	231,777.00
CP School Roof Repairs	526,175.00
SRF Special Purpose Fund	1,344.00
SRF Mckinney Homeless	1,542.00
SRF SPED IDEA	262,810.00
SRF Title IV Drug Free School	92,016.00
SRF Partner for Online PD	47,019.00
SRF FY22 Computational Thinking	1,143.00
SRF FY23 Computational Thinking	13,690.00
SRF FY24 Individuals	565.00
SRF FY24 Supporting ST	45,596.00
SRF JAG Technology	4,695.00
SRF Senior Service FY23	9,552.00

SRF Senior Service FY24	275.00
SRF Health Care for Homeless	42,485.00
SRF Disaster Mitigation Tiffany Channel	235,058.00
SRF Safe Streets	221,295.00
SRF FY23 Emergency	34,029.00
SRF Hazardous Materials Grant	4,989.00
SRF Neal Park	22,200.00
SRF Walker Grandstand	1,469.00
SRF NEHA FDA Program	5,104.00
SRF Stars Residencies	4,997.00
SRF FY23 Innovation Pathways	19,125.00
SRF Project Here FY19	350.00
SRF Greater Springfield Senior Services	15,952.00
SRF Connecticut River	2,014.00
SRF Tree Wells	9,582.00
SRF MGC Parking Garage	5,850.00
SRF GEU25 Gaming Enforcement	2,299.00
SRF Community Mitigation FY24	79,909.00
SRF Telecommunications Emergency Response	97.00
SRF Mass Call FY21	397.00
SRF Flu Clinics	446.00
SRF Mass Substance Abuse	9,899.00
SRF Springfield Safe Ride	61,086.00
SRF Young Adults Empower	30,090.00
SRF Resurfacing Complete Streets	303,737.00

Attachment: Copy of Grant Deficits Transfer Free Cash (8312 : FY24 Free Cash to Various Deficits- $99,517.09)

SRF Resurfacing Complete Streets	303,737.00
SRF Court Square	231,483.00
SRF Transportation Planning Grant	31,547.00
SRF Riverfront Park Main Entrance	50,820.00
SRF Western Region	10,200.00
SRF MLCHC Emergency Preparedness	1,514.00
SRF Dr Seuss Sculpture	46,525.00
SRF Breakfast in the Classroom	34,321.00
SRF FY24 Brookline CEN	301.00
SRF Davis Foundation Preschool	23,617.00
SRF Foodbank	5,697.00
Employee Parking	1,943.00

Attachment: Copy of Grant Deficits Transfer Free Cash (8312 : FY24 Free Cash to Various Deficits- $99,517.09)

[External] Springfield Deficit Cleanup

Reply | Reply All | Forward | ...

JC

Curtis, Jared (DOR) <curtisj@dor.state.ma.us>

To Burns, Pat

Mon 11/4/2024 2:27 PM

You forwarded this message on 11/4/2024 2:38 PM.

1 Gateway Free Cash Cal Revised.pdf
180 KB

Pat,

I have one more request that I would like to add to your plate. I have attached the Springfield free cash calculation sheet. You will see that I have highlighted in yellow several deficits that were reported on the balance sheet and reduced free cash. After a quick glance, these funds were in deficit last year with the same balance. If you can take a look at them to see if the projects are complete and whether or not any more funds will be coming in to offset the deficit that would be good. If there are no additional funds coming in to support these deficits, then we suggest that Springfield raise them on the FY25 tax rate recap so that they will not appear as deficits at the end of this fiscal year.

Thank you,

Jared

Attachment: Copy of Grant Deficits Transfer Free Cash (8312 : FY24 Free Cash to Various Deficits-

City Council

SCHEDULED

Meeting: 11/18/24 07:00 PM
Initiator: Madison Woodard
Sponsors: Mayor Domenic J. Sarno
DOC ID: 8311

PEG Access and Cable Related Fund FY25 Q2 Franchise Fee Payment - $137,635.59 (Mayor Sarno)

WHEREAS, the City of Springfield ("City") received $137,635.59 as the second quarterly franchise fee payment from Comcast Corporation ("Comcast") as a part of the City's cable agreement with Comcast ("Cable Agreement"), for the purpose of funding public education and government access cable television activities and services in Springfield; and

WHEREAS, the City previously accepted G.L. c. 44, §53F¾ establishing a special revenue fund known as the "PEG Access and Cable Related Fund" to reserve cable franchise fees and other cable-related revenues; and

WHEREAS, the City intends to use the cable franchise fee payments from Comcast to support and provide PEG access programming services and oversight, to deliver cable television programming to municipal buildings, and for costs related to oversight and renewal of the cable franchise agreement, or take any other action relative thereto; and

WHEREAS, the City has accepted the franchise fee quarterly payment and requests authorization from the City Council and the Mayor to expend the funds listed below from the PEG Access and Cable Related Fund for the purposes of the fund; and

WHEREAS, the Chief Administrative and Financial Officer, after an evaluation of all pertinent financial information reasonably available, has certified that the City's financial resources and revenues are and will continue to be adequate to support the proposed expenditures and obligations involved in the City Council Order authorizing the acceptance of the franchise fee funds listed herein, subject to the approval of the Mayor, without a detrimental impact on the continuous provision of the existing level of municipal services, in accordance with Section 2(f) of Chapter 656 of the Acts of 1989, as added by Section 1 of Chapter 468 of the Acts of 2008.

NOW THEREFORE BE IT ORDERED, acting pursuant to G.L. c. 44, §53F¾, that the City Council hereby appropriates the sum of $137,635.59 and approves the expenditure by the City of the cable franchise fees and other cable-related revenues to support PEG access services, subject to the approval of the Mayor, and the funds received shall be deposited with the City Treasurer and held in a separate account and may be expended for the purposes of the fund without further appropriation:

PEG Access and Cable Related Fund

Account#29431290-483100-PEG25: $137,635.59

CONFIDENTIAL - Trade Secrets

COMCAST

System Name: Comcast of Massachusetts II, Inc.

Email: Jelena_Samoni@cable.comcast.com

Phone: 610-665-2575

Vendor ID:	154913
Contract Name:	Springfield MA
Statement Period:	Jul - Sep, 2024
Payment Amount:	$137,635.59
Statement Number:	1323588
CUID:	MA0168
System ID:	8773-1100-0180, 8773-1000-0180

SPRINGFIELD CITY OF MA
36 COURT STREET
OFFICE OF THE MAYOR
SPRINGFIELD, MA, 01103

This statement represents your payment for the period listed above.

Revenue Category	Amount
Expanded Basic Video Service	$2,063,058.28
Limited Basic Video Service	$1,593,983.92
Digital Video Service	$1,035,487.88
Pay	$497,841.67
PPV / VOD	$35,253.12
Digital Video Equipment	$1,122,242.98
Video Installation / Activation	$30,563.00
Franchise Fees	$147,352.25
State Assessment	$16,950.92
Guide	$256.75
Other	$32,954.70
Late Fees	$30,101.59
Write-offs / Recoveries	($69,300.39)
Ad Sales	$309,228.35
Home Shopping Commissions	$35,800.64
Total	$6,881,775.67
Franchise Fee %	2.00%
Franchise Fee	$137,635.59

To the best of my knowledge and belief, the above is a true and correct statement for the accounting of the gross revenues received by this corporation for the period.

Jelena Samoni

Jelena Samoni

Sr. Accountant

Attachment: PEG Cable Access-Franchise Fee Q2 (8311 : PEG Access and Cable Related Fund FY25 Q2 Appropriation - $137,635.59)

Attachment: PEG Cable Access-Franchise Fee Q2 (8311 : PEG Access and Cable Related Fund FY25 Q2 Appropriation - $137,635.59)

City Council

SCHEDULED

Meeting: 11/18/24 07:00 PM
Initiator: Christopher Fraser
Sponsors: Mayor Domenic J. Sarno
DOC ID: 8304

Supplemental Budget - Decrease in Charter School Tuition State Aid (Mayor Sarno)

WHEREAS, to meet the expenses of the Springfield School Department, a decrease in appropriations in the amount of $142,729 as itemized below are hereby voted from the following sources, pursuant to Massachusetts General Laws Chapter 44, Section 32, Chapter 44 Section 53 and Chapter 468 of the Acts of 2008, and the recommendation of his Honor the Mayor; and

WHEREAS, the City of Springfield has received a decrease in the estimated amount of Charter Tuition State Aid; and

WHEREAS, the City pursuant to Chapter 70 section 11 of the Education Reform Act of 1992 must appropriate these funds to meet Net School Spending (NSS).

WHEREAS, these funds will decrease the School Department's General Fund Operating Budget and the City will still meet the State Mandated Net School Spending Appropriation.

WHEREAS, after reviewing this order, the Chief Administrative and Financial Officer has certified to the Mayor and City Council, that in her professional opinion, after an evaluation of all pertinent financial information reasonably available, the City's financial resources and revenues are and will continue to be adequate to support the proposed expenditures and obligations involved in the Order, without a detrimental impact on the continuous provision of the existing level of municipal services, in accordance with Section 2(f) of Chapter 656 of the Acts of 1989, as added by Section 1 of Chapter 468 of the Acts of 2008.

IT IS FURTHER ORDERED, that the City Council approves the decrease in Appropriations as itemized below to meet the expenses of the Springfield School Department.

SOURCES

0100-10-145-0000-0000-0010-000000-0000000-465700- Treasurer's Office - Charter Tuition Reimbursement	(142,729)
TOTAL:	**$ (142,729)**

USES

0100-30-340-3902-3902-3980-300100-0000000-578200 School Department - District Wide - Reserve for Contingency	(142,729)
TOTAL:	**$ (142,729)**

MA Department of Revenue
Division of Local Services
Final Municipal Cherry Sheet Estimates
Data current as 7/31/2024

C.S. 1-ER Commonwealth of Massachusetts Department of Revenue FY2025
NOTICE TO ASSESSORS OF ESTIMATED RECEIPTS
General Laws, Chapter 58, Section 25A

Springfield

A. EDUCATION	
Distributions and Reimbursements	
Chapter 70	506,119,464
School Transportation	0
Charter Tuition Reimbursement	25,081,540
Smart Growth School Reimbursement	0
Offset Items - Reserve for Direct Expenditure:	
School Choice Receiving Tuition	60,730
Sub-Total, All Education Items:	**531,261,734**
B. GENERAL GOVERNMENT:	
Distributions and Reimbursements	
Unrestricted General Government Aid	46,614,520
Local Share of Racing Taxes	0
Regional Public Libraries	0
Veterans Benefits	646,091
Exemp: VBS and Elderly	468,991
State Owned Land	43,073
Offset Items - Reserve for Direct Expenditure:	
Public Libraries	613,755
Sub-Total, All General Government:	**48,386,430**
C. TOTAL ESTIMATED RECEIPTS:	**579,648,164**

Attachment: FY25 Final Cherry Sheet Numbers (8304 : Supplemental Budget - Decrease in Charter Tuition Reimbursement (State Aid))

C.S. 1-ER Commonwealth of Massachusetts Department of Revenue FY2025

NOTICE TO ASSESSORS OF ESTIMATED CHARGES

General Laws, Chapter 59, Section 21

Springfield

A. COUNTY ASSESSMENTS:	
County Tax	0
Suffolk County Retirement	0
Sub-Total, County Assessments:	**0**
B. STATE ASSESSMENTS AND CHARGES:	
Retired Employees Health Insurance	0
Retired Teachers Health Insurance	0
Mosquito Control Projects	0
Air Pollution Districts	38,963
Metropolitan Area Planning Council	0
Old Colony Planning Council	0
RMV Non-Renewal Surcharge	356,780
Sub-Total, State Assessments:	**395,743**
C. TRANSPORTATION AUTHORITIES:	
MBTA	0
Boston Metro. Transit District	0
Regional Transit	3,273,500
Sub-Total, Transportation Assessments:	**3,273,500**
D. ANNUAL CHARGES AGAINST RECEIPTS:	
Multi-Year Repayment Program	0
Special Education	111,458
Sub-Total, Annual Charges Against Receipts:	**111,458**
E. TUITION ASSESSMENTS:	
School Choice Sending Tuition	6,755,944
Charter School Sending Tuition	97,108,854
Sub-Total, Tuition Assessments:	**103,864,798**
F. TOTAL ESTIMATED CHARGES:	**107,645,499**

Attachment: FY25 Final Cherry Sheet Numbers (8304 : Supplemental Budget - Decrease in Charter Tuition Reimbursement (State Aid))

City Council

SCHEDULED

Meeting: 11/18/24 07:00 PM
Initiator: Phil Dromey
Sponsors:
DOC ID: 8319

Decertification of Tax Increment Financing Agreement (TIFF) for SNAPland 59, LLC at the Property Known as 51-59 Taylor Street. ()

Order Authorizing Decertification of a Tax Increment Financing Agreement

City of Springfield, Massachusetts

Whereas, economic development is necessary for the long-term financial recovery of Springfield; and

Whereas, the City has been designated as an Economic Target Area ("ETA") by the Massachusetts Economic Assistance Coordinating Council ("EACC"); and

Whereas, SNAPland 59, LLC(the "Company") developed property located at 51-59 Taylor Street in Springfield, Massachusetts (the "Property"), in the Metro Center Neighborhood of the City of Springfield (the "City"); and

Whereas, the Company and the City of Springfield entered into a Tax Increment Financing (TIF) Agreement, approved by Springfield City Council on June 12, 2023; and

Whereas, the Company completed many of the goals of redeveloping the property, however decided to sell the property, transferring the property to a new owner on October 16, 2024; and

Whereas, the TIF Agreement is not transferrable to the new owner, and SNAPland59, LLC has provided a letter approving and requesting decertification of the TIF Agreement; and

AND IT IS FURTHER ORDERED, the Springfield City Council hereby approves and authorizes the Mayor and the Chief Development Officer, in the name of and on behalf of the City to decertify the existing *Tax Increment Financing Agreement, By and Between the City of Springfield & the Company*.

Order Authorizing Decertification of a Tax Increment Financing Agreement

City of Springfield, Massachusetts

Whereas, economic development is necessary for the long-term financial recovery of Springfield; and

Whereas, the City has been designated as an Economic Target Area ("ETA") by the Massachusetts Economic Assistance Coordinating Council ("EACC"); and

Whereas, SNAPland 59, LLC(the "Company") developed property located at 51-59 Taylor Street in Springfield, Massachusetts (the "Property"), in the Metro Center Neighborhood of the City of Springfield (the "City"); and

Whereas, the Company and the City of Springfield entered into a Tax Increment Financing (TIF) Agreement, approved by Springfield City Council on June 12, 2023; and

Whereas, the Company completed many of the goals of redeveloping the property, however decided to sell the property, transferring the property to a new owner on October 16, 2024; and

Whereas, the TIF Agreement is not transferrable to the new owner, and SNAPland59, LLC has provided a letter approving and requesting decertification of the TIF Agreement; and

AND IT IS FURTHER ORDERED, the Springfield City Council hereby approves and authorizes the Mayor and the Chief Development Officer, in the name of and on behalf of the City to decertify the existing *Tax Increment Financing Agreement, By and Between the City of Springfield & the Company*.

Attachment: 20241112143011202 (8319 : Decertification of Tax Increment Financing Agreement (TIFF))

October 22, 2024

Economic Assistance Coordination Council
c/o Paul St. Pierre, Regional Director
Massachusetts Office of Business Development
1350 Main Street
Springfield, MA 01103

Re: Snapland 59, LLC, 51-59 Taylor Street

Dear Mr. St. Pierre:

I hope this letter finds you well. As you know, Snapland 59 was approved as an EDIP certified project with a local Tax Increment Financing agreement in Springfield in 2023.

While the project made great strides in the redevelopment of a vacant, underutilized building and the successful opening and operation of Loophole Brewing, due to significant unexpected costs in the redevelopment the decision was made to seek a buyer for the property.

With that, the property has been sold as of October 16, 2024, and we are no longer pursuing our project at this address.

Please consider this letter our request and concurrence with the decertification of this project by both the City of Springfield and the EACC. We appreciate the support that the city and EACC offered this project that was key in helping to breathe new life into this historic building and prepared it for a future of productive use.

If you have any questions, please feel free to contact me anytime.

Sincerely,

Todd Snopkowski
Snapland 59, LLC

CC: Brian Connors, City of Springfield
Jeff Goulet, Loophole Brewing

Attachment: 20241112143011202 (8319 : Decertification of Tax Increment Financing Agreement (TIFF))

TAX INCREMENT FINANCING AGREEMENT
BY AND AMONG
CITY OF SPRINGFIELD
AND
SNAPland 59, LLC

This Agreement is made this 26th day of June, 2023 between the CITY OF SPRINGFIELD, a municipal corporation with a principal place of business at 36 Court Street, Springfield, Massachusetts, acting through its Office of Planning and Economic Development, with the approval of its Mayor (herein the "City"), and SNAPland 59, LLC, a limited liability corporation, (herein the "Company") organized under the laws of Massachusetts, with a principal place of business at 420 Washington Street, Dorchester, MA 01024. The City and the Company shall be collectively known herein as the "Parties".

WITNESSETH

WHEREAS, the Company intends to redevelop the vacant 16,480 square foot building at 51-59 Taylor Street (City Assessor's parcel No. 11430-0200, herein the "Property") to relocate and establish its business headquarters operation and expand its operations for its two affiliated businesses, SnapChef and Loophole Brewing (herein the "Project"); and

WHEREAS, the Project is expected to result in an estimated capital investment of approximately $1,050,000 in new construction, improvements and betterments, while creating a minimum of 30 new full-time jobs and 20 new part-time jobs in Springfield in culinary, restaurant, brewery, events, service, job training, and associated fields; and

WHEREAS the Property is located within the boundaries of the City of Springfield Economic Target Area (herein "ETA"), as that term is used in M.G.L. c. 23A, Section 3D; and

WHEREAS the Project is expected to provide economic benefits to the City through the redevelopment of a vacant building, which is expected to generate additional employment in the Metro Center neighborhood, as well as result in the creation of new jobs in Springfield and a new restaurant venue in the City's Downtown Dining District; and

WHEREAS, the Company is seeking a Tax Increment Financing Agreement (herein "TIF") from the City pursuant to M.G.L. c. 23A, M.G.L. c. 40 § 59, and M.G.L. c. 59 § 5, clause 51, as well as applicable regulations issued pursuant to said statutes; and

WHEREAS, the City is enters into this TIF specifically conditioned on the Company completing the Project and investing in the City of Springfield by creating new jobs for

Attachment: 20241112143011202 (8319 : Decertification of Tax Increment Financing Agreement (TIFF))

city residents, resulting in expected improvement to the City's economy, growth in the City's tax base, growth in the City's job base, and the overall encouragement of redevelopment; and

NOW THEREFORE in consideration of the mutual promises contained herein, the City and the Company do mutually agree as follows:

1. This TIF Agreement will take effect upon the date of approval from the Economic Assistance Coordinating Council.

2. The TIF Agreement is subject to all applicable City of Springfield regulations and ordinances including "Article IV – Tax Increment Financing, §355-15 & §355-16" and is contingent on approval from the Mayor of the City of Springfield, the approval of the Springfield City Council, and the approval of the Commonwealth of Massachusetts Economic Assistance Coordinating Council (EACC).

3. This TIF Agreement shall only apply to the taxable parcel at 51-59 Taylor Street which is being utilized by Snapchef and Loophole Brewing, as determined by the City of Springfield Assessors Department.

4. The Company shall not assign any interest in this Agreement, and shall not transfer any interest in the same, without the prior written consent of the Municipality, which approval shall not be unreasonably withheld.

5. Should the Company default in the observance or performance of any material covenant, condition, or agreement to be observed or performed by the Company pursuant to the terms of this Agreement, and the continuance of such default for thirty (30) days after written notice thereof from the Municipality; it shall be considered cause for termination of agreement.

The Company agrees to:

a) Redevelop the existing building at the Property;

b) make a total capital investment into the Project of approximately $1,050,000 by July 1, 2024;

c) create a minimum of 30 full-time jobs and 20 part-time jobs in Springfield through its businesses Snapchef and Loophole Brewing in culinary, restaurant, brewery, events, service, job training, and associated fields during the term of the TIF, and further make best efforts to hire a minimum of 50% Springfield residents for any new permanent jobs;

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d) agrees to use best efforts to market and recruit residents of the City of Springfield with priority to residents of the immediate Metro Center Neighborhood and to add to the level of jobs in the area during the effective dates of the TIF;

e) is responsible for payment of all real estate taxes assessed on the Premises as provided in this TIF;

f) remain in compliance with all City of Springfield taxes, fees, and building and code enforcement regulations; and

g) remain in compliance with the City of Springfield TIF Ordinance including Chapter 355-15 (Taxation, Requirements) and Chapter 355-16 (Taxation, Non-Compliance).

6. The City shall grant a TIF exemption to the Company in accordance with M.G.L. c. 23A § 3F, M.G.L. c. 40 § 59, M.G.L. c. 59 § 5 as follows:

a. The exemption shall be granted and shall apply only to the new portion of the assessed value of the Property described in the Project (the "Incremental Value"), as determined by the City of Springfield Assessors Department.

b. The Base Valuation shall be the full and fair cash value of the land and buildings as determined by the City of Springfield Board of Assessors for the FY24 assessed value; a value stated as of January 1, 2023, based on the physical condition of the land and improvements as of June 30, 2023, that is first made public on or about January 1, 2024. The Base Valuation represents the value before any new construction or expansion.

c. The Incremental Value shall be that value which is in excess of the Base Valuation as a direct result of the improvements and to be determined at the completion of the Project. The exemption period and schedule will apply only to the Incremental Value.

d. The exemption shall be for a period of five (5) years commencing July 1, 2024, and ending June 30, 2029.

e. The exemption shall be calculated for each Tax Year as follows:

(i) The Parties agree that the Base Valuation will be determined as of January 1, 2023, and is subject to adjustment (increase or decrease) in subsequent years, depending on market conditions.

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(ii) For FY25 (July 1, 2024– June 30, 2025), 51-59 Taylor Street shall be assessed at the Base Valuation with **0% taxation** of any Incremental Value.

FISCAL YEAR	TIF YEAR	% INCREMENTAL VALUE EXEMPTED
2024	Not applicable	0
2025	1	100%
2026	2	80%
2027	3	60%
2028	4	40%
2029	5	20%
2030	Full taxation	0%

(iii) For each fiscal year after FY25, the Assessors for the City of Springfield shall determine the Incremental Value of the Premises for that tax year.

(iv) The City shall assess real estate taxes on a portion of the Incremental Value beginning at 0% for FY **2025**, culminating in 100% taxation of the Incremental Value in FY **2030**.

(v) The value of personal property situated on subject parcel shall be assessed only on that portion of the value of the property that is not exempt under M.G.L. c. 40 §§ 59, 60, or 60A, and this exemption shall be for a term not longer than the period specified for the property tax exemption in the agreement. The amount of the exemption under this clause for personal property shall be the exemption percentage adopted under Clause (iii) of Section 59, Subsection (a) of Section 60 or of Section 60A of said Chapter 40 multiplied by the fair cash valuation of the personal property.

(vi) The tax exemption to be applied to the schedule applicable to the Premises is as follows:

f. Any exemptions for property taxes realized pursuant to this agreement shall be contingent upon the Company's continued full occupancy of 51-59 Taylor Street. Except in the case of a natural disaster or similar circumstance, the Company hereby agrees to pay back any property tax benefits realized under this agreement in the event that the Company, either or both SnapChef and/or Loophole Brewing, ceases to occupy any portions of 51-59 Taylor Street and/or significantly reduce workforce within a period of five (5) years after the commencement of this agreement.

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7. Upon the failure of the Company to comply with this TIF and to meet all of its obligations and commitments contained herein or its inability to cure such non-compliance within a reasonable amount of time, the City reserves the right to apply to the Economic Assistance Coordinating Council for decertification of the Project and to terminate this TIF Agreement and discontinue all exemptions from taxation contained in this TIF Agreement commencing in the Tax Year in which the failure occurs.

8. Notices to be delivered under this TIF Agreement shall be delivered as set forth below:

To the City:

Chief Development Officer
Office of Planning & Economic Development
70 Tapley Street
Springfield, MA 01104

With a copy to:

Mayor of City of Springfield
36 Court Street
Springfield, Massachusetts 01103

And a copy to:

City Solicitor for City of Springfield
36 Court Street, Room 210
Springfield, Massachusetts 01103

To the Company:

SNAPland 59, LLC
Attn: Todd Snopkowski
420 Washington Street
Dorchester, MA 01024

800 Main Street
Holden, Ma 01520

9. Unless otherwise expressly provided herein, all notices and other communications given pursuant to this Agreement shall be in writing and shall be sent to the persons at the addresses identified above by

(1) first class, United States Mail, postage prepaid, certified, with return receipt requested, or

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(2) hand delivery to the intended address, or

(3) nationally recognized overnight delivery service that provides written proof of delivery.

All such notices and other communications shall be effective on the actual date of delivery, receipt, or rejection of delivery, if known, otherwise

(i) in three (3) Business Days after deposit in United States Mail in case of (1) above,

(ii) actual delivery in case of (2) above, and

(iii) the next Business Day in case of (3) above.)

10. A. The law of the Commonwealth of Massachusetts shall govern the validity, interpretation, construction, and performance of this Agreement.

B. The sole and exclusive forum for the determination of any question of law or fact or any dispute between the parties shall be the Superior Court Department of the Trial Court of the Commonwealth of Massachusetts sitting in Hampden County or the United States District Court for the Western District, both sitting in Springfield, Massachusetts. It is the express intention of the parties that all legal actions and proceedings related to this Agreement or to any rights or relationship of the parties shall be solely and exclusively brought and heard in said courts.

11. Pursuant to M.G.L. c. 40 § 59 (v), this Agreement shall be binding upon subsequent owners of the Property.

12. The Property Owner or Company shall submit an annual report pursuant to M.G.L. c. 23A, § 3F and M.G.L. c. 40, § 59 (viii) to the Municipality and Massachusetts Economic Assistance Coordinating Council ("EACC"). The annual report shall include, at a minimum, the number of jobs retained and created, and value of the Property capital investments and other related items with respect to the Property annually and on a cumulative basis.

[Remainder of Page Left Intentionally Blank]

[Signature Page to Follow]

Attachment: 20241112143011202 (8319 : Decertification of Tax Increment Financing Agreement (TIFF))

Signed, under seal, by all parties, effective on the last date noted below.

SNAPland 59, LLC

By: Todd Snopkowski

Title: Chief Executive Officer

Date Signed 6/26/23

CITY OF SPRINGFIELD

Timothy Sheehan

Title: Chief Development Officer

Date Signed _____

Approved as to Appropriation

City Comptroller

Date Signed 7.14.23

Reviewed:

Assessors Department

Date Signed 8/1/23

Approved as to Form:

Law Department

Date signed 7-17

Reviewed:

Chief Administrative & Financial Officer

Date Signed 7/19/23

Approved:

DOMENIC J. SARNO, Mayor

Date signed 7/19/23

Attachment: 20241112143011202 (8319 : Decertification of Tax Increment Financing Agreement (TIFF))

PARCEL MAP

Attachment: 202411121430112O2 (8319 : Decertification of Tax Increment Financing Agreement (TIFF))

City Council

ADOPTED

Meeting: 06/12/23 07:00 PM
Initiator: Phil Dromey
Sponsors:
DOC ID: 7482

Order Authorizing Execution and Delivery of a Tax Increment Financing Agreement with SNAPland 59, LLC Relative to Certain Property Known as 51-59 Taylor Street ()

Whereas, economic development is necessary for the long-term financial recovery of Springfield; and

Whereas, SNAPland 59, LLC(the "Company") plans to relocate, expand, and develop property located at 51-59 Taylor Street in Springfield, Massachusetts (the "Property"), in the Metro Center Neighborhood of the City of Springfield (the "City"); and

Whereas, the Company plans to improve the Property. The project will result in the remodeling of the interior construction of an approximately 16,480 square foot building (the "Project") which will result in a total investment of $2,000,000 including approximately $1,050,000 in construction, renovations, and equipment. The Project will result in a headquarters location for SnapChef foodservice staffing and Loophole Brewing restaurant and brewery, affiliated businesses of the Company; and

Whereas, the Company is seeking certain property tax incentives from the City over a period of five (5) years commencing on **July 1, 2024 through June 30, 2029** ("TIF Agreement"); and

Whereas, the Company commits to creating 30 full-time and 20 part-time permanent jobs in Springfield during the term of the TIF Agreement. The company further commits to making best efforts to hiring a minimum of 50% Springfield residents for any future available positions; and

Whereas, the City has been designated as an Economic Target Area ("ETA") by the Massachusetts Economic Assistance Coordinating Council ("EACC"); and

Whereas, the City wishes to encourage the expansion of Snapchef culinary job training center as well as welcoming Loophole Brewing to the City though the retention and creation of job opportunities for City residents, and economic development through the grant of certain tax incentives; and

Whereas, the Company is committed to both the retention and creation of jobs, investment and economic development, in the City, as outlined in the attached Tax Increment Financing Agreement; and

NOW THEREFORE, BE IT ORDERED, the Springfield City Council hereby approves and authorizes the Mayor and the Chief Development Officer, in the name of and on behalf of the City to execute a Tax Increment Financing Agreement with SNAPland 59, LLC, in substantially the form as the attached document, upon approval of the new EOA designation.

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A Project Summary is attached for reference.

RESULT:	**ADOPTED [12 TO 0]**
AYES:	Walsh, Fenton, Whitfield, Govan, Allen, Brown, Hurst, Click-Bruce, Edwards, Curran, Davila, Lederman
ABSENT:	Marla Perez

PRESENTED TO THE MAYOR ON JUNE 14, 2023

CITY CLERK: _____

APPROVE: _____ **DATE: June 14, 2023**

MAYOR

Attachment: 20241112143011202 (8319 : Decertification of Tax Increment Financing Agreement (TIFF))

City Council
36 Court Street
Springfield, MA 01103

SCHEDULED

RESOLUTION (ID # 8326)

Meeting: 11/18/24 07:00 PM
Department: City Council
Category: Council Request
Prepared By: Susan Kacoyannakis
Initiator: Zaida Govan
Sponsors: Ward 8 City Councilor Zaida Govan
DOC ID: 8326

Support of Stearns Square Bench Return Plan & Timetable

WHEREAS, the Stearns Square bench is a historic and iconic staple to Stearns Square Park, having been unveiled on November 24, 1887 along with a full park redesign by noted architect Stanford White and famous sculptor Augustus Saint-Gaudens, and

WHEREAS, the Stearns Square bench and its companion "Turtle Fountain" were designed specifically for their locations in Stearns Square Park, and

WHEREAS, the bench's restoration were among projects included in the 2019 $1.95 million renovation of Stearns Square and Duryea Way, and

WHEREAS, Director Thomas Ashe of the City of Springfield Department of Parks, Buildings, and Recreation Management ordered the removal of the Stearns Square bench, resulting in the bench's removal in late July 2024, and

WHEREAS, the public was not invited for commentary or opinion on the matter, as it was not presented before the Parks Commission or Springfield Historical Commission for targeted guidance or input on the treatment of this historic structure in a public park, and

WHEREAS, the removal of the Stearns Square bench has resulted in public outcry from neighbors, businesses, and park enthusiasts for its return, and

WHEREAS, Stearns Square Park and other urban public parks provide residents and visitors of Springfield a green space for socialization, play, and enjoyment of our City's environment, and

WHEREAS, the Stearns Square bench has been a continual gathering place in Springfield's entertaining and dining district for more than 136 years until its removal this year, and

WHEREAS, the removal of the bench leaves residents and visitors no location to gather, sit, or enjoy the park, except for on "Turtle Fountain," which is not designed for sitting, and

WHEREAS, this Sunday, November 24, 2024 would have marked the bench's 137th anniversary of public use in Stearns Square, and

WHEREAS, the bench is, instead of being in its rightful place, being stored in dismantled pieces in a Forest Park storage building without the ability for public use, access, or enjoyment, and

WHEREAS, the return of the bench will contribute to restoring public hope in the promise of public parks and the duty of the Department of Parks, Buildings, and Recreation Management to protect and preserve them for public benefit,

NOW THEREFORE, be it resolved that the City Council hereby formally requests a plan and timetable of the Department of Parks, Buildings, and Recreation Management for the Stearns Square bench's return to its proper place in Stearns Square Park.