



CITY COUNCIL

City Clerk's Office 6/13/2025 12:00:00 PM

Special 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 June 23, 2025** at 06:00 PM.

City Clerk

Call to Order

6:00 PM Meeting called to order on June 23, 2025 at Hybrid Council Chamber, 36 Court Street, Springfield, MA.

Petitions

(1.) **EVERSOURCE GAS -295 Worthington St.**

ATTACHMENTS:

- Springfield City Council Letter - 295 Worthington St (PDF)
- 25-MA-SPR-00304 - IFC Drawing - REV00 (PDF)
- Report 295 Worthington St (PDF)

(2.) **EVERSOURCE GAS- Locust Street**

ATTACHMENTS:

- Springfield City Council Letter - Locust St (PDF)
- 26-MA-SPR-00107 - Locust St - IFC Drawing - REV00 (PDF)
- Report City Council Locust Street (PDF)

Orders

(3.) **Budget Transfer Across Departments - \$130,000 (Mayor Sarno)**

Budget Transfer Across Departments - \$130,000

ATTACHMENTS:

- CAFO Cert - Transfer to Emergency Communications (Dispatch) (PDF)

(4.) **Budget Transfer Across Departments - \$75,000 (Mayor Sarno)**

Budget Transfer Across Departments - \$75,000

ATTACHMENTS:

- CAFO Cert - Transfer to Professional Services (DOCX)

Ordinances

- (5.) (ID # 8737) - Amending Chapter 275, of the Revised Ordinances of the City of Springfield, 1986, as Amended, by Adding a New Article Iv Thereto Titled: Prohibiting the Manufacture, Sale, and Disposition of Synthetically Derived Cannabinoids and Synthetically Derived Cannabinoid Products



City Council
36 Court Street
Springfield, MA 01103

Meeting: 06/23/25 06:00 PM
Department: Department of Public Works
Category: General
Prepared By: Hector Velez
Initiator: Hector Velez
Sponsors:
DOC ID: 8746

TABLED

PETITION (ID # 8746)

EVERSOURCE GAS -295 Worthington St.

ORDER FOR LOCATION OF UNDERGROUND CONDUIT

WHEREAS, The Board of Public Works, to which was referred the petition of Eversource-Gas to install underground gas facilities on Stearn Sq. in Springfield for a new service to property located on 295 Worthington Street.

WHEREAS, said petition 295 Worthington Street was referred to the Board of Public Works on May 9, 2025; and

WHEREAS, On May 13, 2025, a Notice of a Public Hearing on 295 Worthington Street to be held on May 28, 2025, 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 May 28, 2025, the Board of Public Works reported thereon that, after careful consideration of the petition to install underground gas facilities on Stearn Sq. Starting on Worthington St. with two (2") inches of pipe running southerly direction on the north side of Stearn Sq approximately two hundred and twenty-five (225') feet to the property located on 295 Worthington Street, this project is being done to provide new service connections.; all substantially shown on a plan attached with the project name:

295 Worthington Street.

Consisting of ten (10) 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 295 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. 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.

Petition (ID # 8746)

Meeting of June 23, 2025

HISTORY:

06/16/25 **City Council**

CONTINUE

Next: 06/23/25



5/9/2025

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

ATTN: Gladys Oyola-Lopez, City Clerk

PROJECT NAME: 295 Worthington St – New Business

Ladies & Gentlemen:

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

<u>Street Name</u>	<u>From</u>	<u>To</u>
Stearns Sq	Worthington St	~225ft toward Bridge St

This project will introduce modernized natural gas facilities to the area. 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 to provide growth and new service connections to 295 Worthington St.

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 - 295 Worthington St (8746 : EVERSOURCE GAS -295 Worthington St.)

25-MA-SPR-00304 - FPO Drawing - REV00_recover.dwg

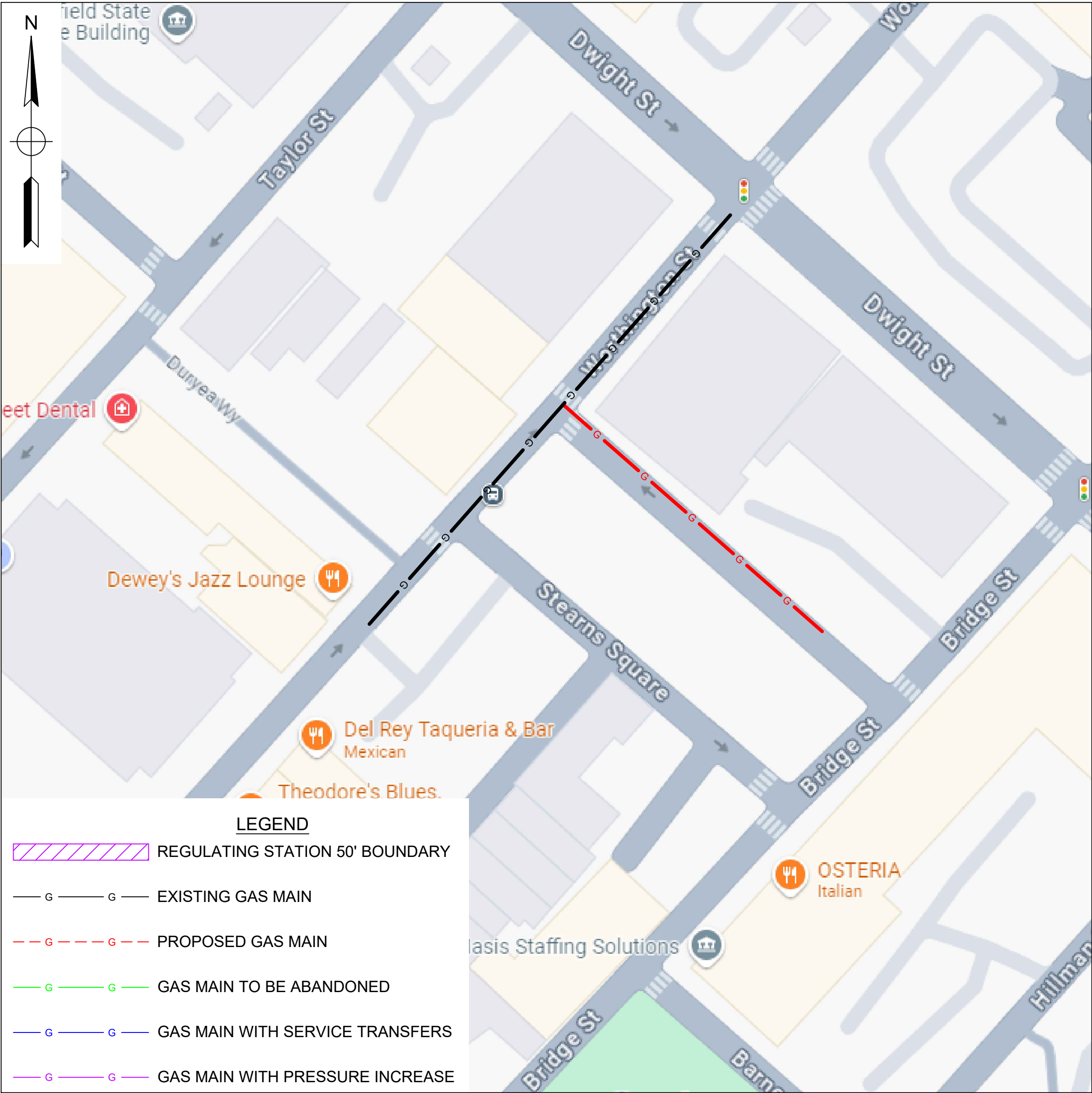
EGMA DRAWING TEMPLATE - 02-28-2023

\\nu.com\Data\SharedData\GasProject\Engineering\EGMA\Springfield\2025\Springfield, 295 Worthington St - New Business, 24EG271G\Drawings\

TABLE OF CONTENTS

SHEET #	TITLE
01 OF 10	COVER SHEET
02 OF 10	NOTES
03 OF 10	LEGEND
04 OF 10	PROJECT LOCATION PLAN
05 OF 10	PROJECT LOCATION PLAN
06 OF 10	MA PREPARATORY AND FINAL TIE-IN DETAILS A
07 OF 10	MA PREPARATORY AND FINAL TIE-IN DETAILS B
08 OF 10	MA CORROSION DETAILS (1 OF 3)
09 OF 10	MA CORROSION DETAILS (2 OF 3)
10 OF 10	MA CORROSION DETAILS (3 OF 3)
11 OF 10	BLANK GRIDDED SHEET

EVERSOURCE
ENERGY



WORK SCOPE

PROJECT SUMMARY TABLE				
INSTALLATION INFORMATION				
Work Type	LENGTH (FT)	SIZE (IN)	MAOP	MATERIAL
INSTALL	225'	2"	60 psig - MP	HDPE
INSTALLATION TOTAL				225'
UPRATE/RETEST TOTAL				0'

ISSUED FOR
CONSTRUCTION

EVERSOURCE
ENERGY

FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

00	DRAWING CREATED	5/2/25	RTM
No.	Description	Date	Dw/Ck
Revision/Status			
EVERSOURCE ENERGY			
295 WORTHINGTON ST - GROWTH, SPRINGFIELD, MA			
PROJECT # 24EG271G / WORK ORDER # 20606436			
COVER SHEET			
SCALE: 1"=20' ON 22"X34"		SHEET 01 OF 10	
Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
RTM / 05/02/2025	RPB / 05/06/2025	25-MA-SPR-00304-01	00

295 WORTHINGTON ST - GROWTH, SPRINGFIELD, MA
PROJECT #24EG271G
WORK ORDER #20606436

25-MA-SPR-00304 - FPO Drawing - REV00_recover.dwg

EGMA DRAWING TEMPLATE - 02-28-2023

\\nu.com\Data\SharedData\GasProject\Engineering\EGMA\Springfield\2025\Springfield, 295 Worthington St - New Business, 24EG271G\Drawings\

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.

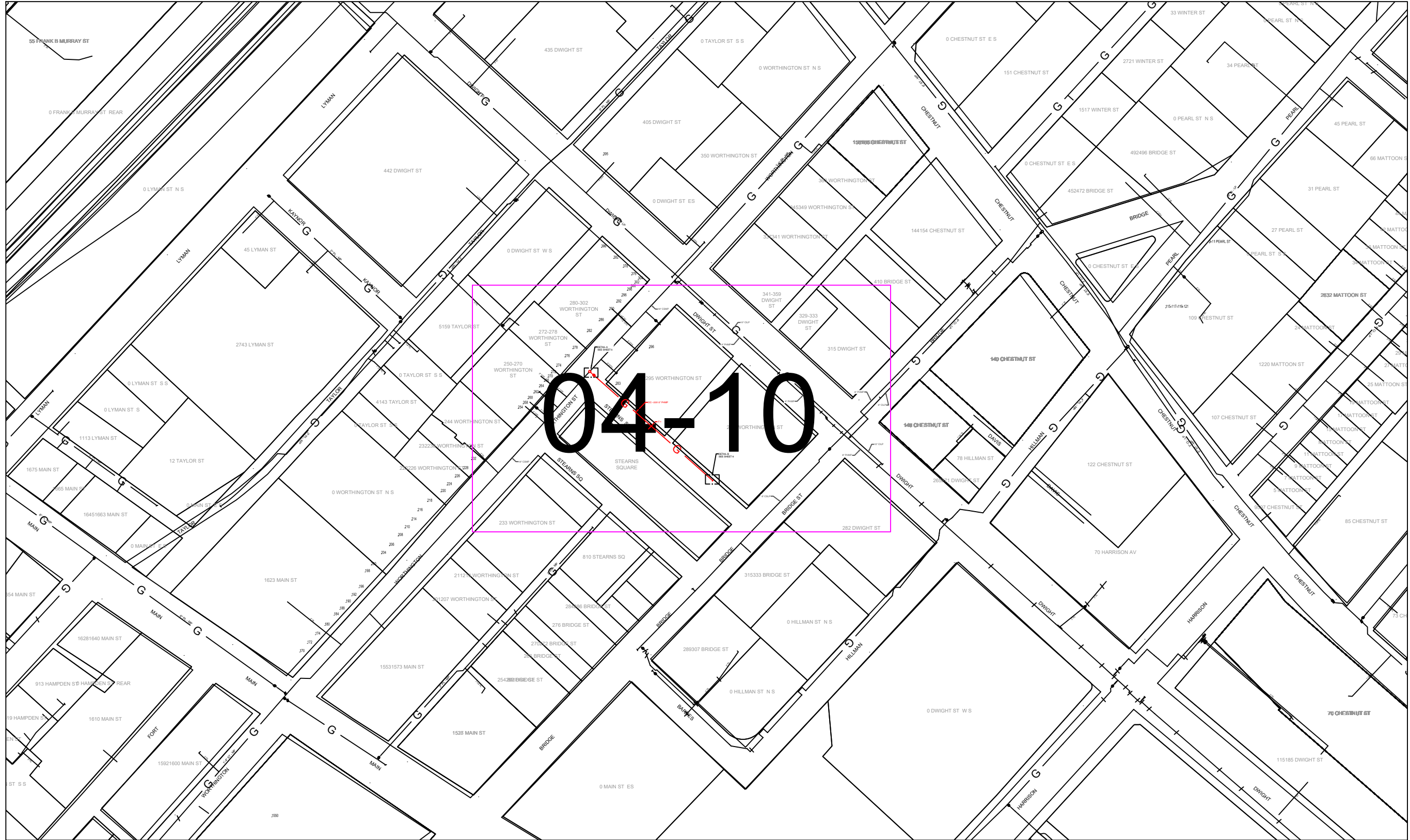
PROPERTY LINE AND PUBLIC RIGHT-OF-WAY INFORMATION INCLUDED ON ALL DRAWING SHEETS IS TAKEN FROM MASSGIS AND IS APPROXIMATE ONLY.
- E.

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 .

REQUIRED BILL OF MATERIALS				
Item Number	Maximo Part Number	Description	Quantity	Units
15	500854	COUPLING, 2 IN IPS, ELECTROFUSION, HDPE, BLACK, ASTM F1055, GFCP	2	EA
14	503984	COUPLING, 1 IN IPS, ELECTROFUSION, HDPE, BLACK, ASTM F1055, GFCP	1	EA
370	513679	CABLE, INSULATED, MDP, #12 AWG, 7 STR, YELLOW, POLYETHYLENE-30, SOFT DRAWN CU, 500 FT/RL, FOR USED AS PIPE LOCATOR	1	FT
8	542572	CAP,PIPE, 2 IN IPS SDR 11,BUTT FUSION END, HDPE, P-4710	1	EA
72	546256	FITTING, TRANSITION, 2 IN IPS CS X 2 IN IPS, PE4710, SDR 11, STEEL WELD X PLASITC, BUTT WELD	1	EA
33	562087	VALVE,BALL, 2 IN IPS SDR 11, BUTT FUSION ENDS, FULL PORT, HDPE, PE-4710	1	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
1727	577813	BOX VALVE, CURB, W/ 4-1/4 IN SQ NON-LOCKING LID, FOR 2 IN VALVES, PAVEMENT RISER RING IN 583489, 20/BOX	1	EA
369	582852	MARKER, BALL, 4 DIA, POLYETHYLENE SHELL, YELLOW, FOR MARKING THE LOCATION OF BURIED FACILITIES, QTY 30 TO A PAC	2	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	225	FT
1639	604753	TEE,PIPE, NON-BLOWING, 2 X 1 IN IPS SDR 11, POLYETHYLENE, PE3408, ELECTROFUSION X 18 IN LONG PLAIN END PUP PIECE	1	EA
296	610060	TEE, NON-BLOWING, FOR VALVE, 2 IN TEE OUTLET X 2 IN MAIN, WELDED, 250 PSIG, W/ CI CAP, CMA 44788502	1	EA
488	610264	NIPPLE,PIPE, NON-BLOWING, DRILL, 1-1/4 IN X 3 IN, WELDED, 1440 PSIG, CMA 2485855	1	EA
1653	620808	FITTING,CAP, LYCOFIT, 1 IN IPS SDR 11, PLASTIC, ASTM F1924	1	EA



OVERVIEW KEY MAP
NOT TO SCALE

ISSUED FOR
CONSTRUCTION

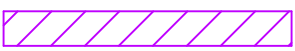
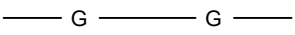
EVERSOURCE
ENERGY

FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

00	DRAWING CREATED	5/2/25	RTM
No.	Description	Date	Dw/Ck
Revision/Status			
EVERSOURCE ENERGY			
295 WORTHINGTON ST - GROWTH, SPRINGFIELD, MA			
PROJECT # 24EG271G / WORK ORDER # 20606436			
NOTES			
SCALE:1"=20' ON 22"X34"		SHEET 02 OF 10	
Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
RTM 05/02/2025	RPB 05/06/2025	25-MA-SPR-00304-02	00

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

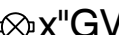
MATERIAL CODES

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
	RCR	Single Customer Regulator
	M	Meter
	MR	Meter with Regulator
	TP	Test Point (Station)
	TSO	Gas Service Tie-over
	RSR	Gas Service Replacement
	MMO	Meter Move Out
		Swing Tie Symbology
		Telephone Manhole
		Drain Manhole
		Electric Manhole
		Catch Basis
		Sewer Manhole
		Fire Hydrant
		Utility Pole
		Property Marker
		Telephone Pedestal
		Television Pedestal
		Unknown Manhole
		Water Box
		Water Gate
		Electric Pedestal
		Iron Pin
		Light Pole
		INSIDE METER
		OUTSIDE METER

ISSUED FOR
CONSTRUCTION

EVERSOURCE
ENERGY

FIELD VERIFY DIMENSIONS
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No.	Description	Date	Dw/Ck
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EVERSOURCE ENERGY			
295 WORTHINGTON ST - GROWTH, SPRINGFIELD, MA			
PROJECT # 24EG271G / WORK ORDER # 20606436			
LEGEND			
SCALE:1"=20' ON 22"X34"		SHEET 03 OF 10	
Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
RTM 05/02/2025	RPB 05/06/2025	25-MA-SPR-00304-03	00



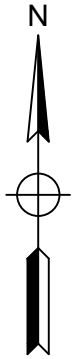
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Packet Pg. 9

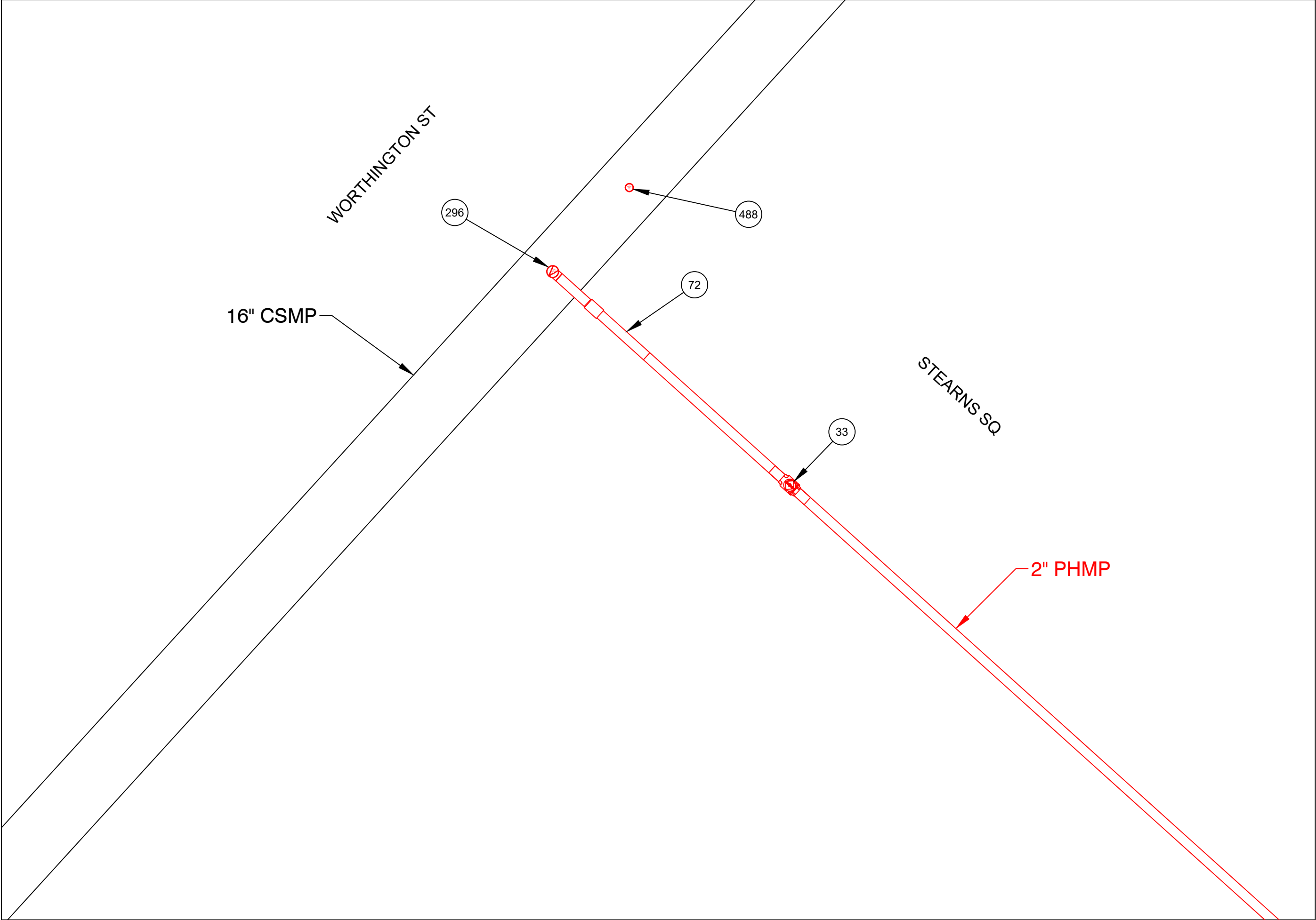
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EGMA DRAWING TEMPLATE - 02-28-2023

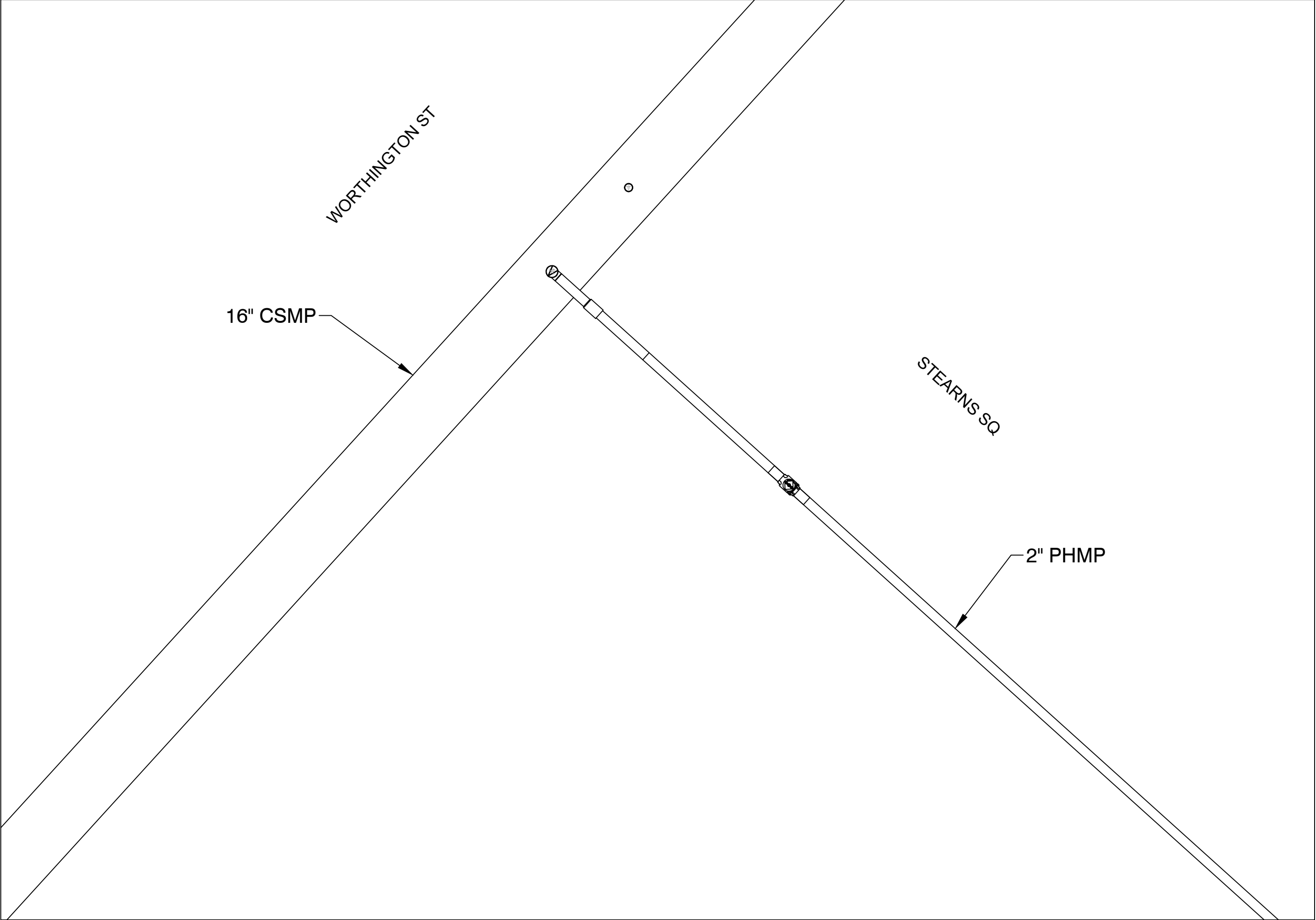
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295 WORTHINGTON ST - SPRINGFIELD			DETAIL "A" PREPARATORY		
REQUIRED BILL OF MATERIALS					
Item Number	MRC Stock Number	Maximo Part Number	Description	Quantity	Units
296	63420207	610060	TEE, NON-BLOWING, FOR VALVE, 2 IN TEE OUTLET X 2 IN MAIN, WELDED, 250 PSIG, W/ CI CAP, CMA 44788502	1	EA
33	14281726	562087	VALVE,BALL, 2 IN IPS SDR 11, BUTT FUSION ENDS, FULL PORT, HDPE, PE-4710	1	EA
488	63420117	610264	NIPPLE, PIPE, NON-BLOWING, DRILL, 1-1/4 IN X 3 IN, WELDED, 1440 PSIG, CMA 2485855	1	EA
72	63151162	546256	FITTING, TRANSITION, 2 IN IPS CS X 2 IN IPS, PE4710, SDR 11, STEEL WELD X PLASTIC, BUTT WELD	1	EA



PREPARATORY TIE-IN DETAIL A
NOT TO SCALE



FINAL TIE-IN DETAIL A
NOT TO SCALE

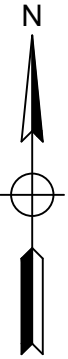
ISSUED FOR
CONSTRUCTION

EVERSOURCE

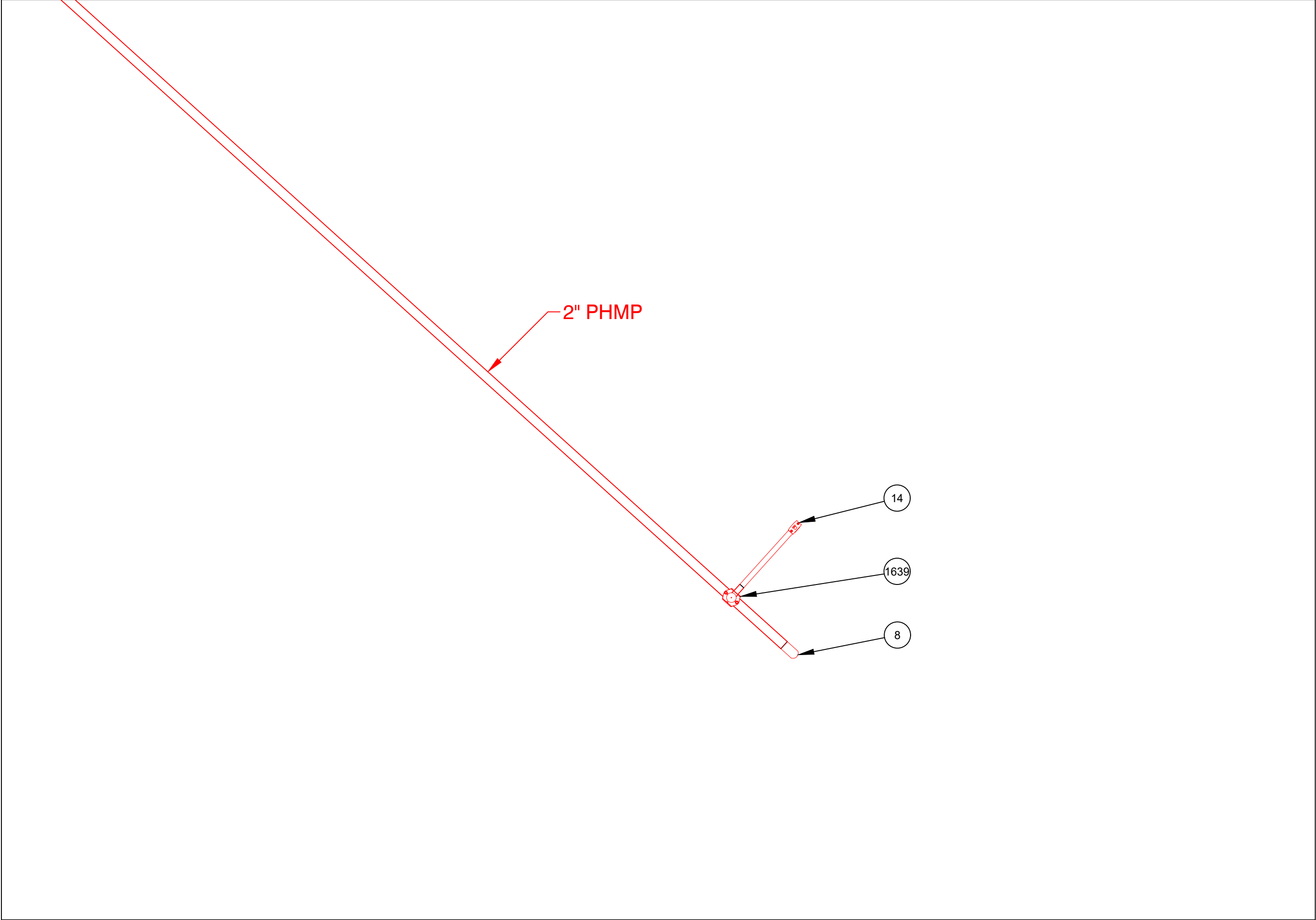
ENERGY

FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

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EVERSOURCE ENERGY			
295 WORTHINGTON ST - GROWTH, SPRINGFIELD, MA			
PROJECT # 24EG271G / WORK ORDER # 20606436			
PREPARATORY AND FINAL TIE-IN DETAILS			
SCALE:1"=20' ON 22"X34"		SHEET 05 OF 10	
Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
RTM 05/02/2025	RPB 05/06/2025	25-MA-SPR-00304-05	00

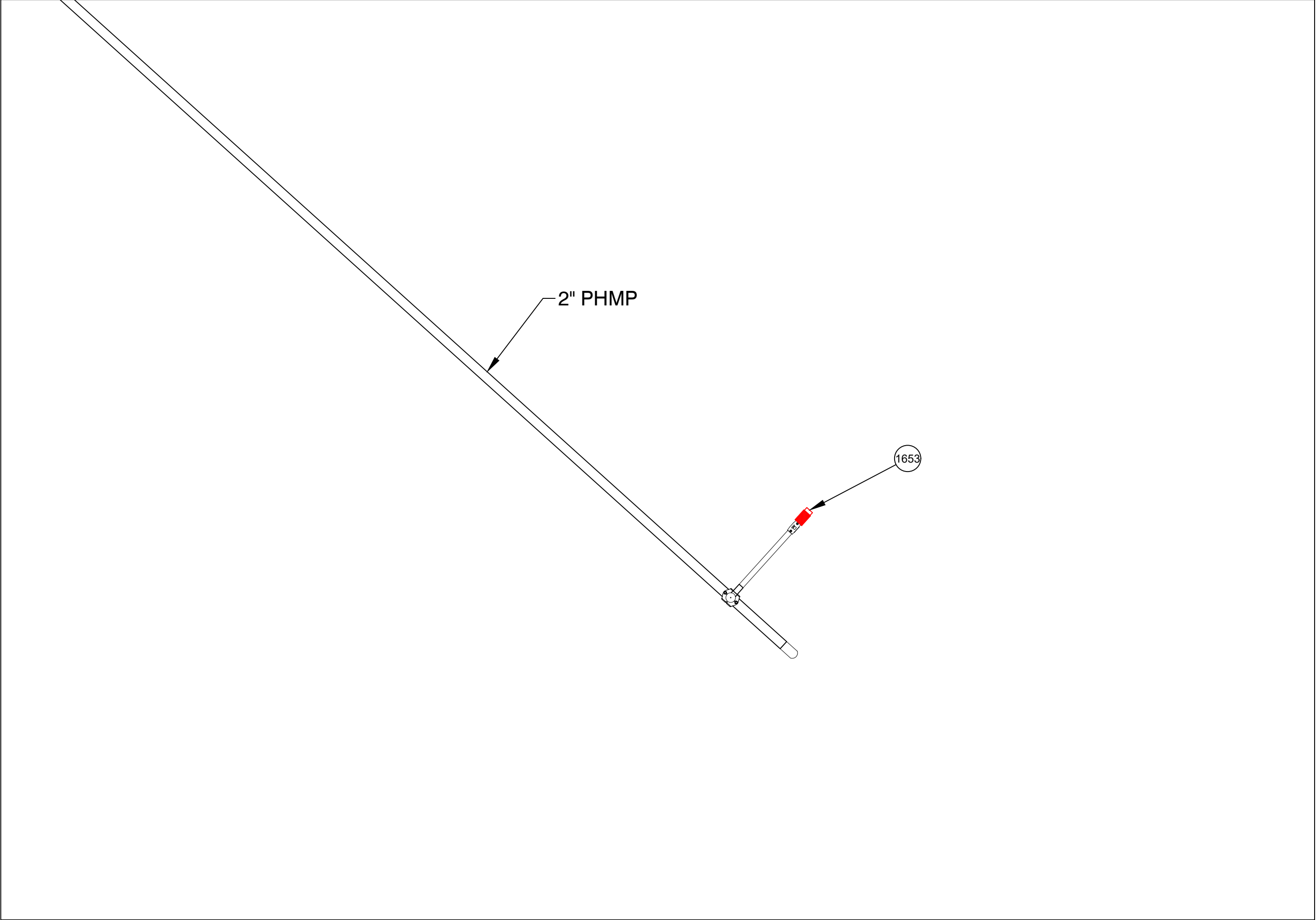


295 WORTHINGTON ST - SPRINGFIELD			DETAIL "B" PREPARATORY		
REQUIRED BILL OF MATERIALS					
Item Number	MRC Stock Number	Maximo Part Number	Description	Quantity	Units
14	63054027	503984	COUPLING, 1 IN IPS, ELECTROFUSION, HDPE, BLACK, ASTM F1055, GFCP	1	EA
1639	CENTPLCO	604753	TEE, PIPE, NON-BLOWING, 2 X 1 IN IPS SDR 11, POLYETHYLENE, PE3408, ELECTROFUSION X 18 IN LONG PLAIN END PUP PIECE	1	EA
8	63078024	542572	CAP, PIPE, 2 IN IPS SDR 11, BUTT FUSION END, HDPE, P-4710	1	EA



PREPARATORY TIE-IN DETAIL B
NOT TO SCALE

295 WORTHINGTON ST - 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



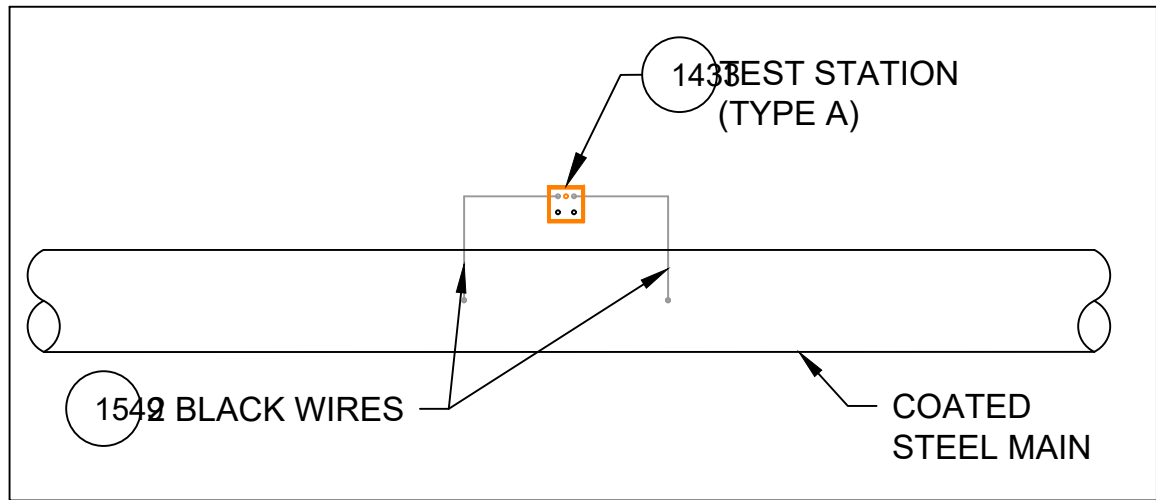
FINAL TIE-IN DETAIL B
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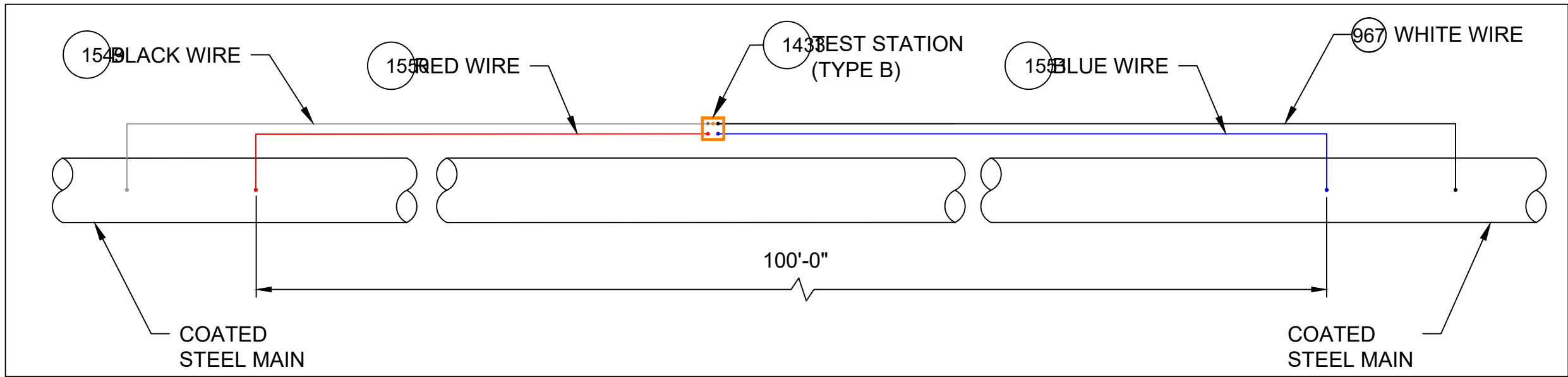
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TYPE A TEST STATION

DETAIL CP1

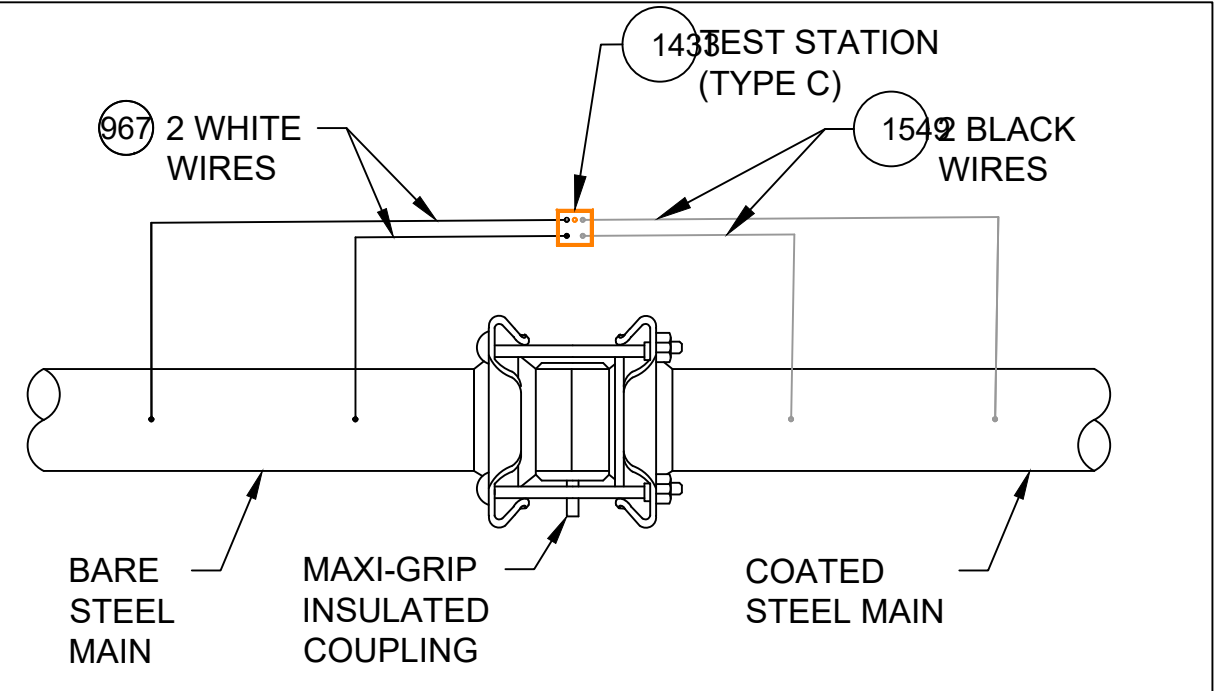
SCALE: 1/2" = 1'-0"



TYPE B TEST STATION

DETAIL CP2

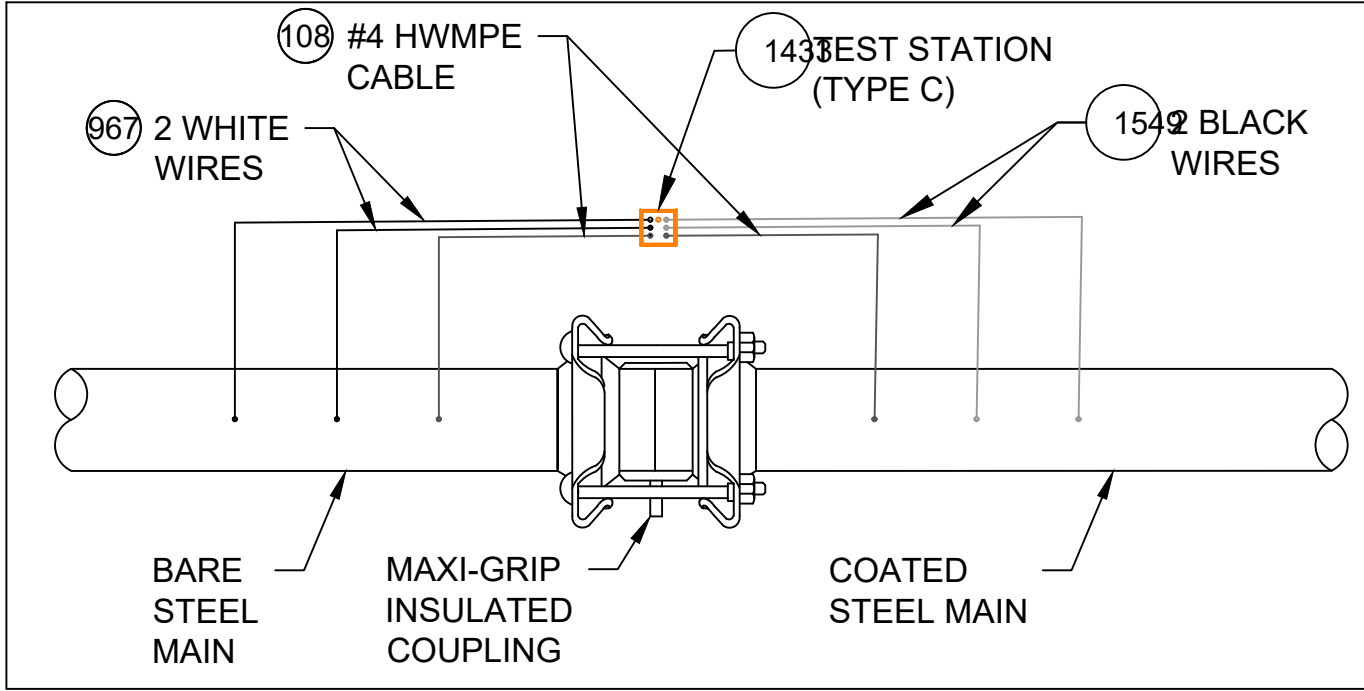
SCALE: 1/2" = 1'-0"



TYPE C TEST STATION

DETAIL CP3

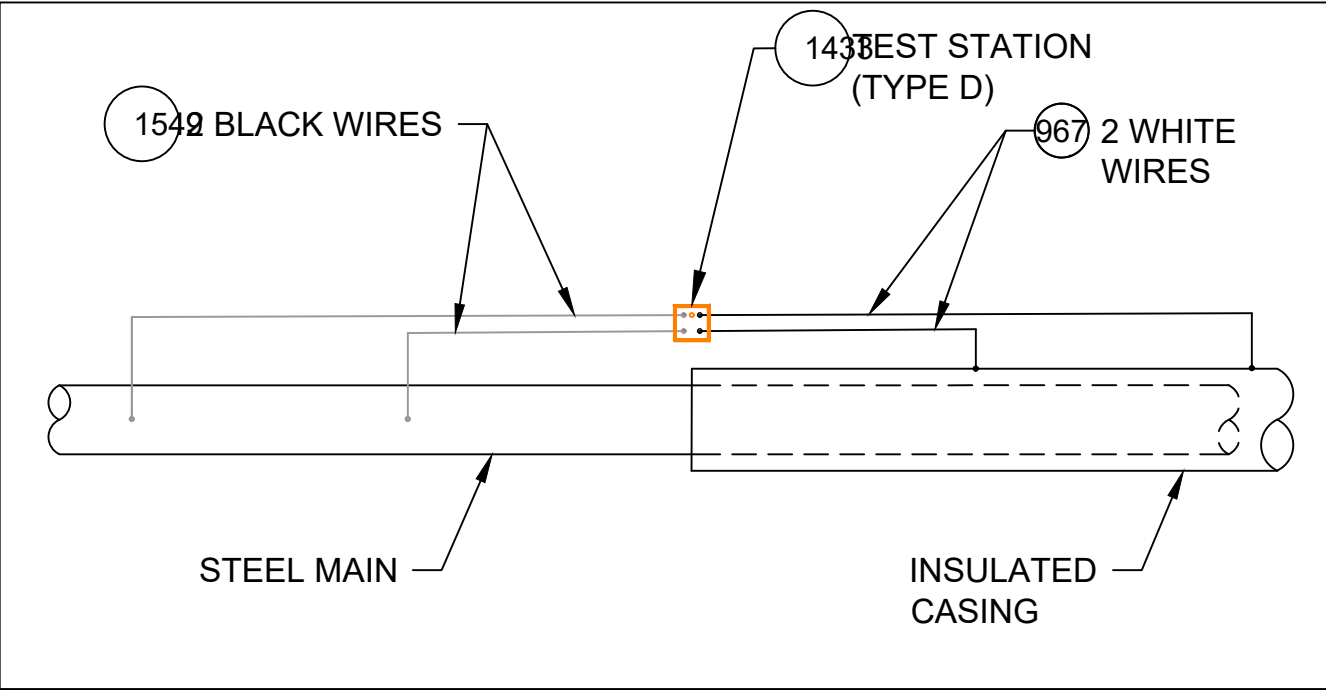
SCALE: 1/2" = 1'-0"



TYPE C TEST STATION - WITH #4 HWMPE CABLE

DETAIL CP4

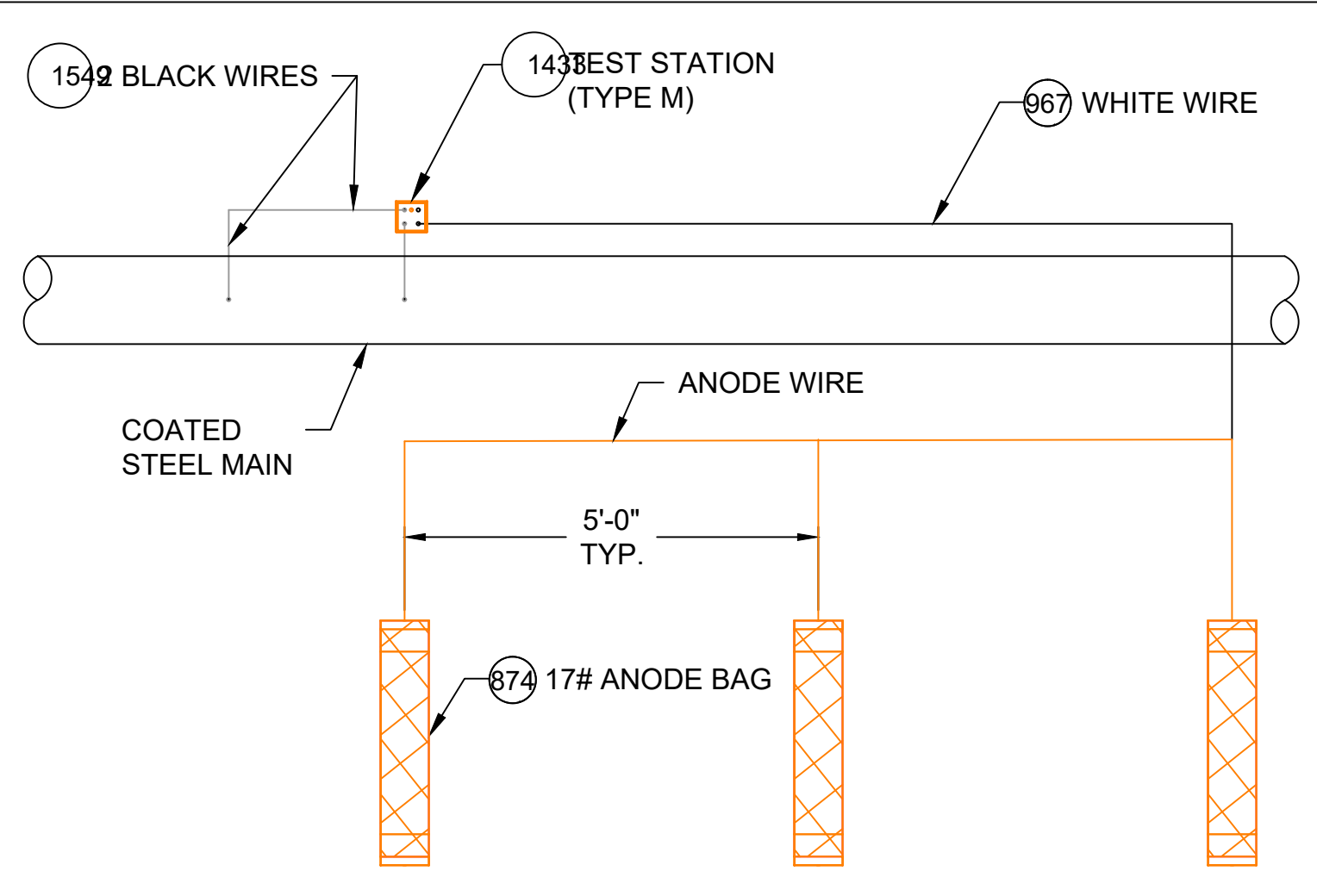
SCALE: 1/2" = 1'-0"



TYPE D TEST STATION (INSULATED CASING)

DETAIL CP5

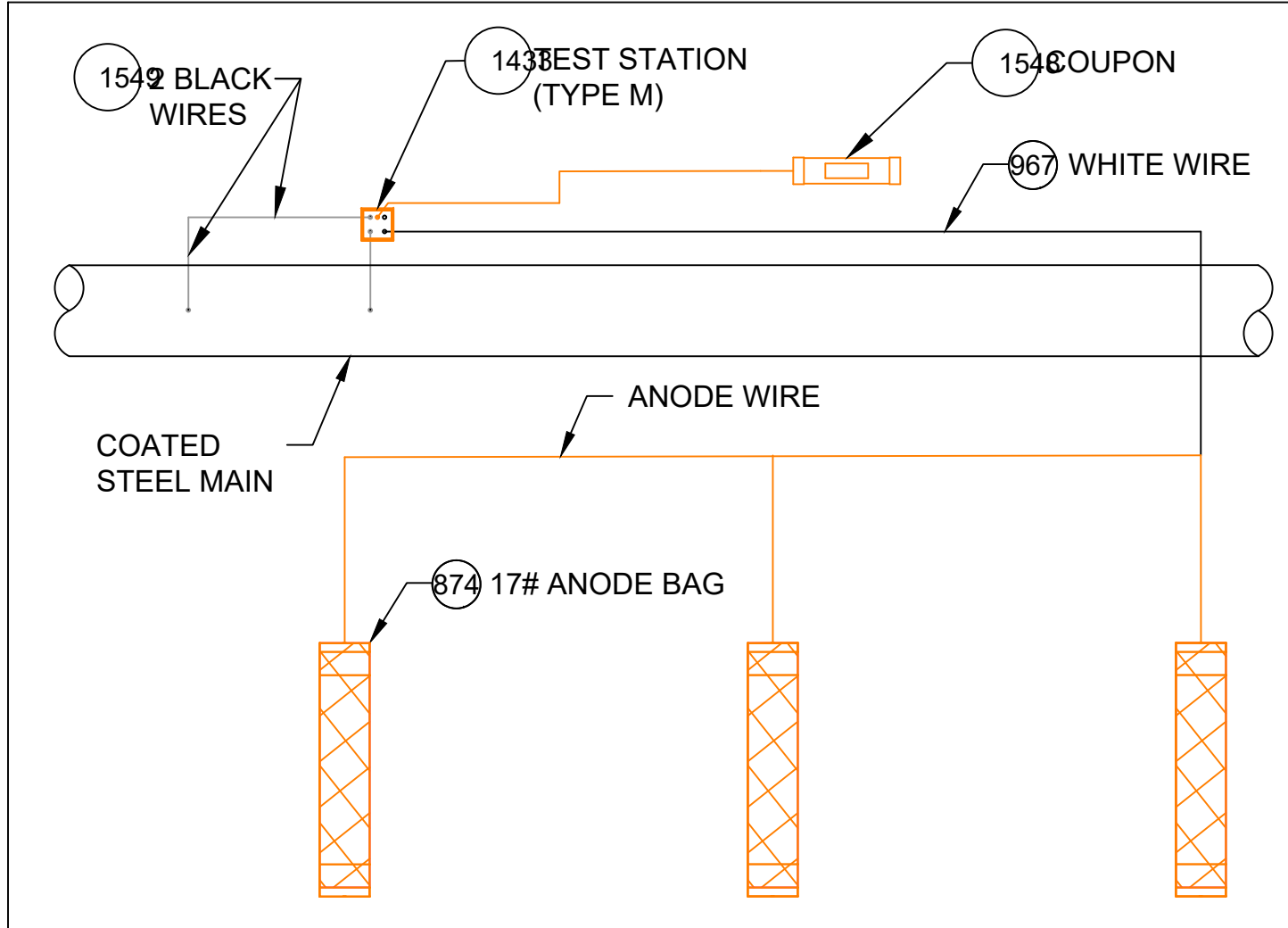
SCALE: 1/2" = 1'-0"



TYPE M TEST STATION (WITH ANODES)

DETAIL CP6

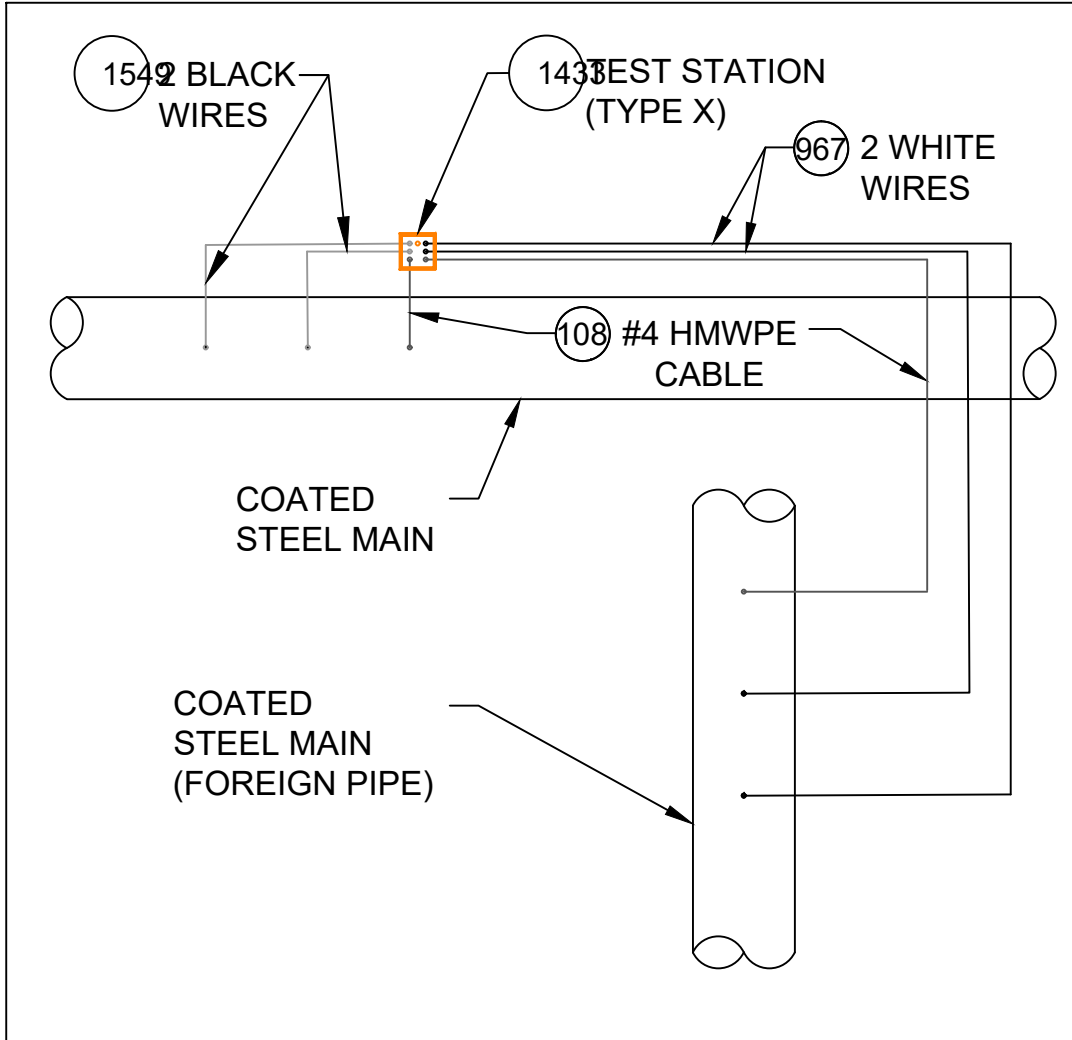
SCALE: 1/2" = 1'-0"



TYPE M TEST STATION (WITH COUPON AND ANODES)

DETAIL CP7

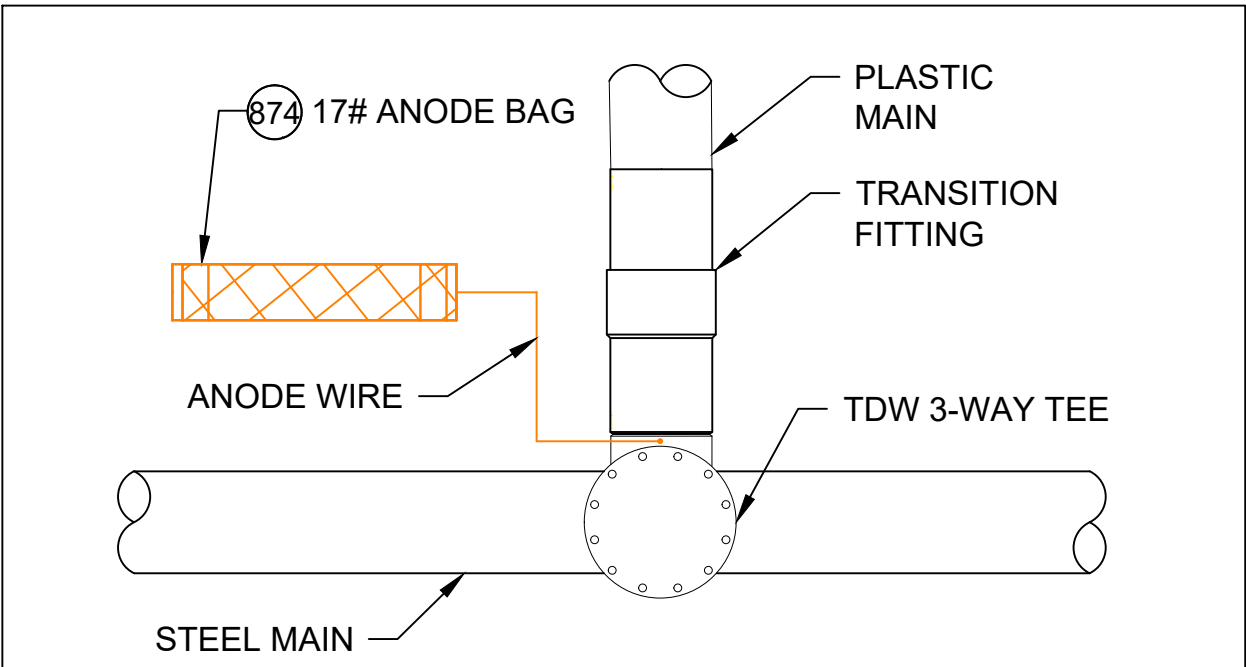
SCALE: 1/2" = 1'-0"



TYPE X TEST STATION

DETAIL CP8

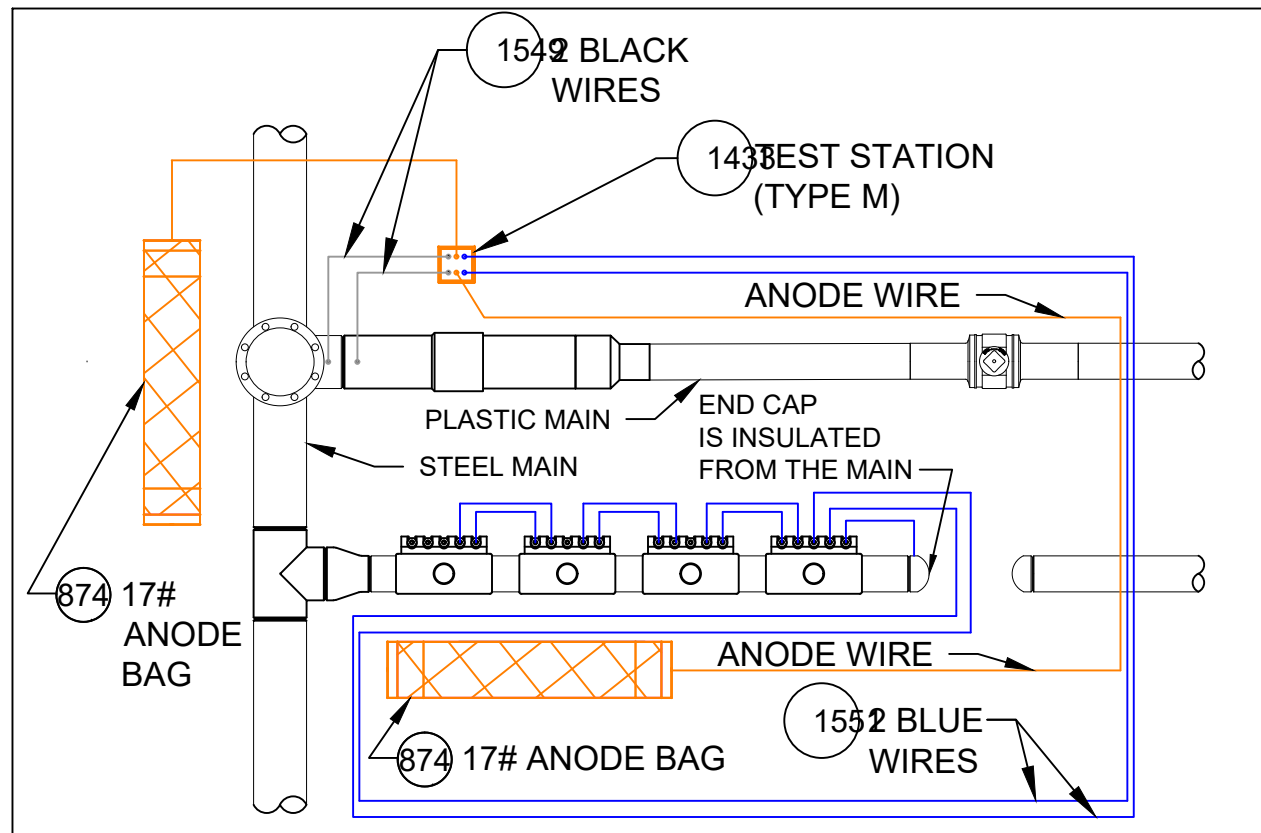
SCALE: 1/2" = 1'-0"



TDW 3-WAY TEE WITH ANODE

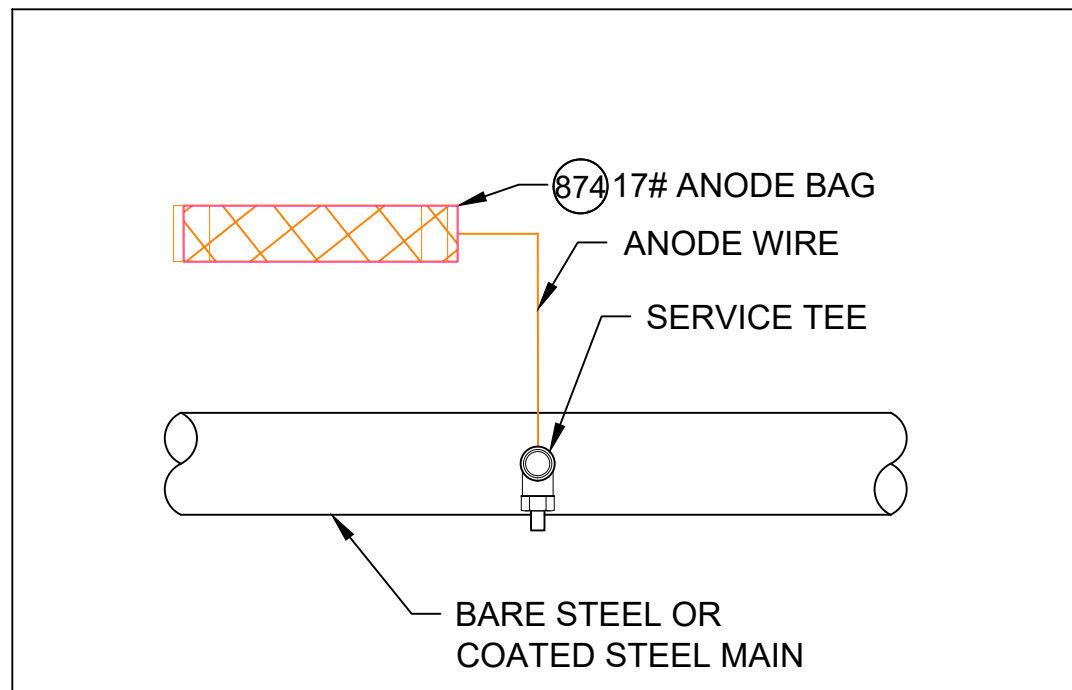
DETAIL CP9

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 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, HWMPE, 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, OF 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, HWMPE INSULATED	EA
1847	583055	ENCAPSULATION KIT, 2 PART, RESIN EPOXY, MOLD BODY, THRU 1 KV, INSULATES AND MOISTURE SEALS WYE CONNECTIONS	EA

NOTES:

- 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.
- 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).
- FOR TYPE B TEST STATIONS, EACH OF THE FOUR WIRES SHOULD BE A DIFFERENT COLOR AND DOCUMENTED
- 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).
- 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).
- 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.
- 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.
- 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.
- 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.

6	ADDED DETAIL CP18 FOR TYPE P TEST STATION	07/03/24	WBH/KJK/MJL
5	REVISED BOM ITEMS TO MATCH STANDARD BOM REV. 10	02/21/24	WBH/KJK/MJL
4	REVISED BOM ITEMS TO MATCH STANDARD BOM REV. 9	11/17/23	WBH/KJK/MJL
3	REVISED BOM ITEMS TO MATCH STANDARD BOM REV. 8	03/13/23	WBH/KJK/MJL
2	ADDED DETAILS CP10, 16A & 17A AND REVISED OTHER DETAILS	02/08/23	WBH/KJK/MJL
1	ADDED DETAILS CP12 & CP13, NOTES AND REVISED BOM	02/02/21	WBH/KJK/MJL
No.	Description	Date	Dw/Ck/Ap

Revision/Status			
EVERSOURCE ENERGY			
STANDARD CS-500 CORROSION DETAILS			
STREET ADDRESS, TOWN/CITY			
DETAILS, NOTES AND BILL OF MATERIALS			
SCALE: 1/2" = 1'-0"		SHEET 07 OF 10	
Drawn by / Date WBH 10/05/20 Approved by / Date MJL 10/19/20	Checked by / Date KJK 10/19/20	Sheet Number 25-MA-SPR-00304-07	Rev. No. 6

FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION



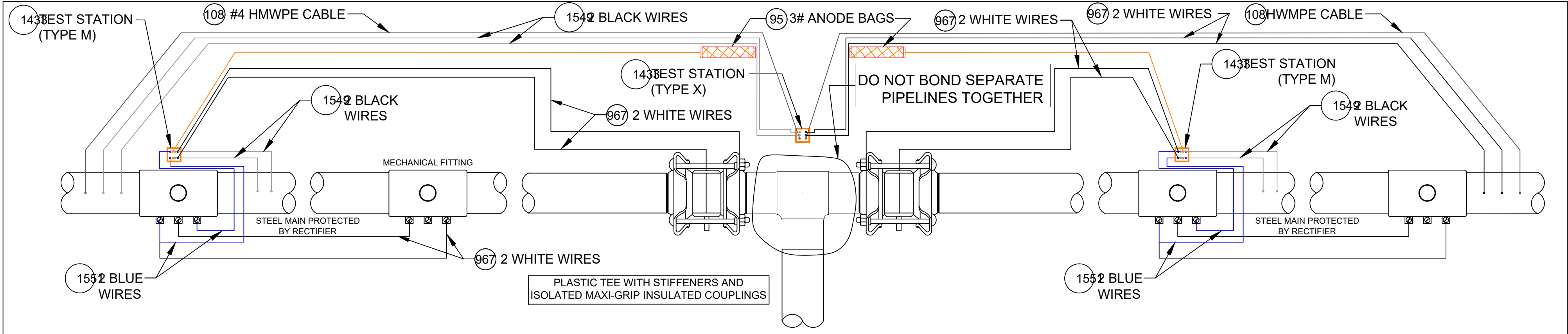
NOTES:

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 SPICED 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) #4 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-5000 SECTION IV.G.5 WHICH PROVIDES GENERAL GUIDANCE REGARDING "WRAPPING" FOR CORROSION PROTECTION. CS-5000 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.

No.	Description	Date	Dw/Ck/Ap
Revision/Status			
			
STANDARD CS-500 CORROSION DETAILS			
STREET ADDRESS, TOWN/CITY			
DETAILS, NOTES AND BILL OF MATERIALS			
SCALE: 1/2" = 1'-0"		SHEET 08 OF 10	
Drawn by / Date W/BH 10/05/20 Approved by / Date M.J.L. 10/19/20	Checked by / Date K.J.K 10/19/20	Sheet Number 25-MA-SPR-00304-08	Rev. No. 6

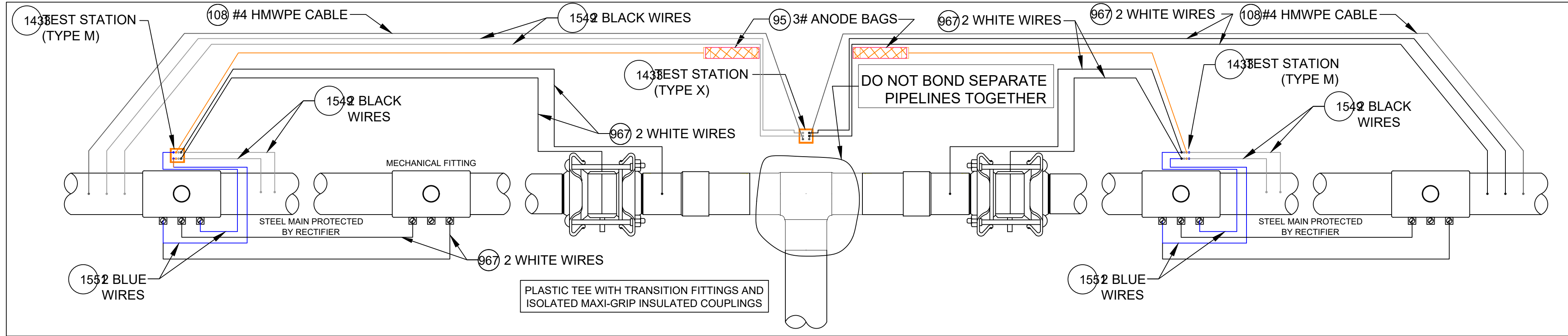
FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION



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

DETAIL CP17

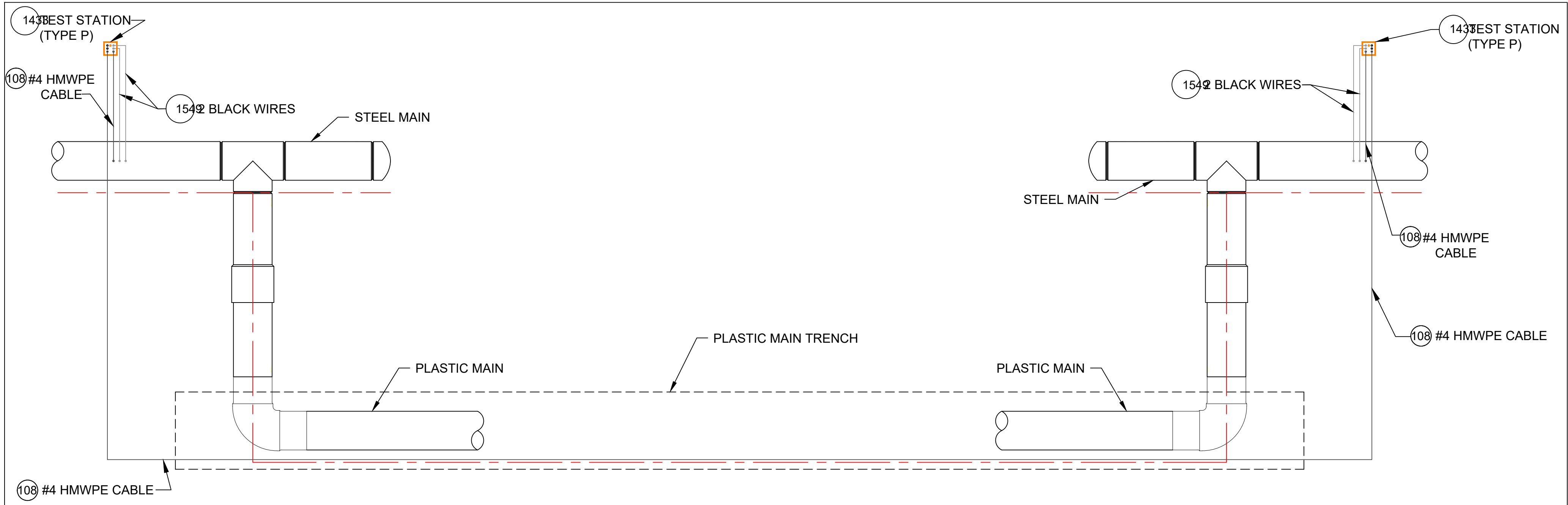
SCALE: 1/2" = 1'-0"



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, OF 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:

- 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.
- 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).
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- 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.
- 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.
- 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.

6	ADDED DETAIL CP18 FOR TYPE P TEST STATION	07/03/24	WBH/KJK/MJL
5	REVISED BOM ITEMS TO MATCH STANDARD BOM REV. 10	02/21/24	WBH/KJK/MJL
4	REVISED BOM ITEMS TO MATCH STANDARD BOM REV. 9	11/17/23	WBH/KJK/MJL
3	REVISED BOM ITEMS TO MATCH STANDARD BOM REV. 8	03/13/23	WBH/KJK/MJL
2	ADDED DETAILS CP10, 16A & 17A AND REVISED OTHER DETAILS	02/08/23	WBH/KJK/MJL
1	ADDED DETAILS CP12 & CP13, NOTES AND REVISED BOM	02/02/21	WBH/KJK/MJL
No.	Description	Date	Dw/Ck/Ap
Revision/Status			
EVERSOURCE ENERGY			
STANDARD CS-500 CORROSION DETAILS			
STREET ADDRESS, TOWN/CITY			
DETAILS, NOTES AND BILL OF MATERIALS			
SCALE: 1/2" = 1'-0"		SHEET 09 OF 10	
Drawn by / Date WBH 10/05/20 Approved by / Date MJL 10/19/20		Checked by / Date KJK 10/19/20 Sheet Number 25-MA-SPR-00304-09 Rev. No. 6	

FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

ISSUED FOR
CONSTRUCTION

FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

00	DRAWING CREATED	5/2/25	RTM
No.	Description	Date	Dw/Ck
Revision/Status			
295 WORTHINGTON ST - GROWTH, SPRINGFIELD, MA			
PROJECT # 24EG271G / WORK ORDER # 20606436			
PLAN			
SCALE: NTS		SHEET 10 OF 10	
Drawn by / Date		Checked by / Date	
RTM 05/02/2025		RPB 05/06/2025	
		Drawing Number	
		25-MA-SPR-00304-10	
		Rev. No.	
		00	

CITY OF SPRINGFIELD, MASSACHUSETTS

May 28, 2025

+

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

The Board of Public Works, to which was referred the petition of Eversource-Gas of Massachusetts, dated May 9, 2025, to install underground gas facilities on Stearn Sq. Starting on Worthington St. with two (2") inches of pipe running southerly direction on the north side of Stearn Sq approximately two hundred and twenty-five (225') feet to the property located on 295 Worthington Street, this project is being done to provide new service connections. Plan 295 Worthington Street 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 May 28, 2025, at 3:30 P.M. at the corner of Stearn Sq. and Worthington St. 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 provide new service connections to property 295 Worthington Street.

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 295 Worthington St (8746 : EVERSOURCE GAS -295 Worthington 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.

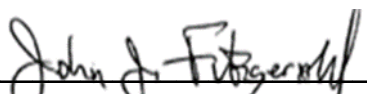
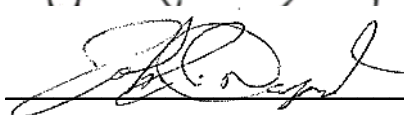
Ramps for the handicapped will be provided if and where required by law and in conformance with the Rules and Regulations of the Massachusetts Architectural Barrier Board.

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.

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



City Council
36 Court Street
Springfield, MA 01103

Meeting: 06/23/25 06:00 PM
Department: Department of Public Works
Category: General
Prepared By: Hector Velez
Initiator: Hector Velez
Sponsors:
DOC ID: 8747

TABLED

PETITION (ID # 8747)

EVERSOURCE GAS- Locust Street

ORDER FOR LOCATION OF UNDERGROUND CONDUIT

WHEREAS, The Board of Public Works, to which was referred the petition of Eversource-Gas to install underground gas facilities on Locust Street, Darwell Street, and Woodside Terr. in Springfield MA. to install medium-pressure and retire low-pressure cast iron gas infrastructure.

WHEREAS, said petition Locust Street was referred to the Board of Public Works on May 8, 2025; and

WHEREAS, On May 14, 2025, a Notice of a Public Hearing on Locust Street to be held on May 29, 2025, 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 May 29, 2025, the Board of Public Works reported thereon that, after careful consideration of the petition to install underground gas facilities on Locust Street, Darwell Street, and Woodside Terr. to upgrade to medium-pressure and retire low-pressure cast iron gas infrastructure. Starting with two (2") inches of pipe from Dickinson Street, running westerly direction one thousand three hundred twenty (1320') feet on Locust Street, and continuing on Woodside Terr. from Locust Street to Leyfred Terr. approximately two hundred twenty-five (225') feet with two (2") inches of pipe and from Locust Street continue on Darwell Street two hundred and ninety (290') feet to Leyfred Terr., All substantially shown on a plan attached with the project name:

Locust 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 Locust 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 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. 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.

HISTORY:**06/16/25 City Council****CONTINUE****Next: 06/23/25**



5/8/25

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

ATTN: Gladys Oyola-Lopez, City Clerk

PROJECT NAME: Locust 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 Forest Park Neighborhood (as seen in the attached plan). Work will extend to the following streets in varying degrees/durations:

<u>Street Name</u>	<u>From</u>	<u>To</u>
Locust St	Mill St/Dickinson St	174 Locust St
Darwell St	Locust St	Leyfred Terr
Woodside Terr	Locust St	Leyfred Terr

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 - Locust St (8747 : EVERSOURCE GAS- Locust Street)

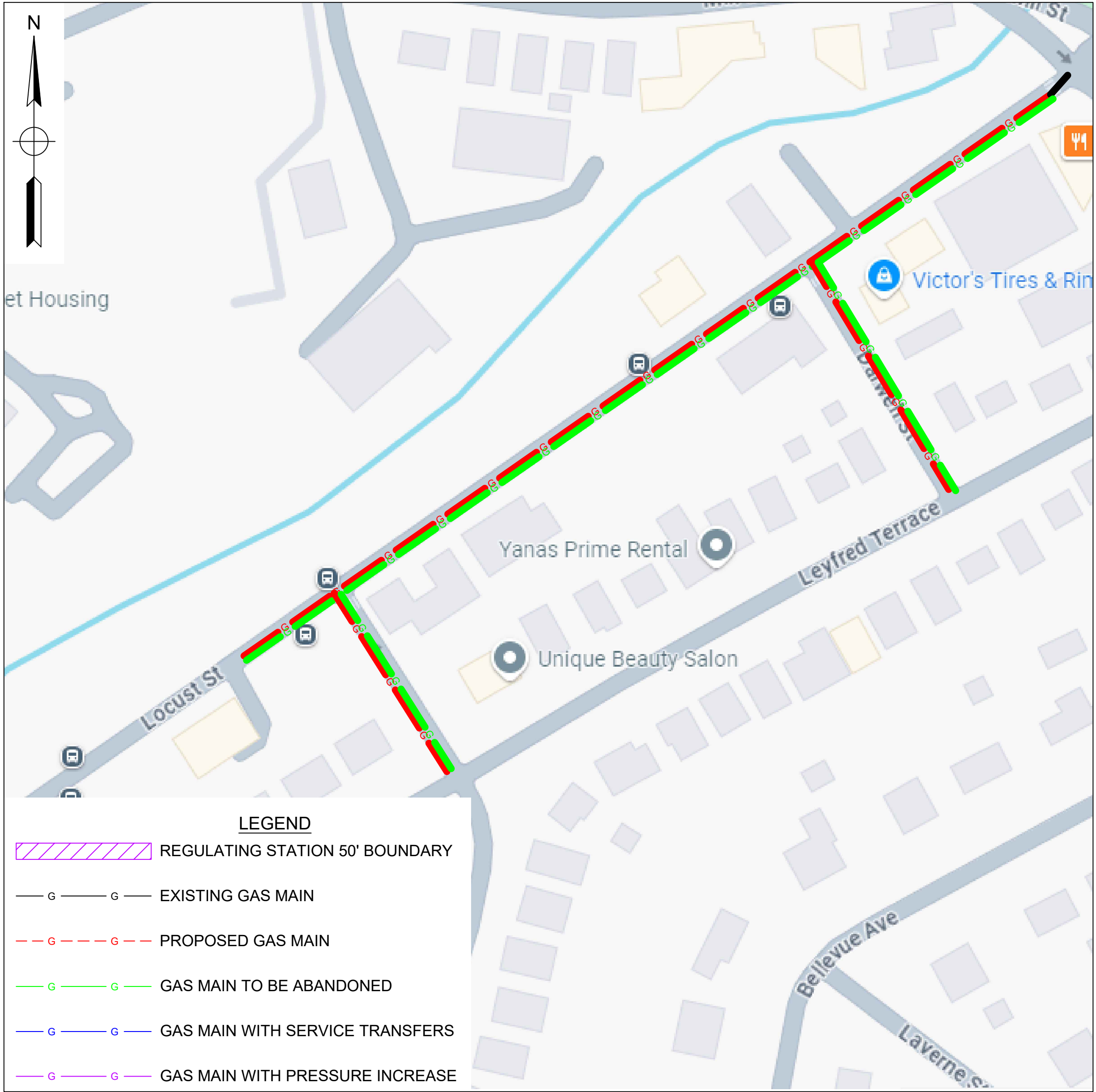
26-MA-SPR-00107 - Locust St - FPO Drawing - REV00.dwg

EGMA DRAWING TEMPLATE - 02-28-2023

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TABLE OF CONTENTS

SHEET #	TITLE
01 OF 20	COVER SHEET
02 OF 20	NOTES
03 OF 20	LEGEND
04 OF 20	PROJECT LOCATION PLAN
05 OF 20	PROJECT LOCATION PLAN
06 OF 20	PROJECT LOCATION PLAN
07 OF 20	PROJECT LOCATION PLAN
08 OF 20	MA PREPARATORY AND FINAL TIE-IN DETAILS A
09 OF 20	MA PREPARATORY AND FINAL TIE-IN DETAILS B
10 OF 20	MA PREPARATORY AND FINAL TIE-IN DETAILS C
11 OF 20	MA PREPARATORY AND FINAL TIE-IN DETAILS D
12 OF 20	MA PREPARATORY AND FINAL TIE-IN DETAILS E
13 OF 20	MA PREPARATORY AND FINAL TIE-IN DETAILS F
14 OF 20	MA PREPARATORY AND FINAL TIE-IN DETAILS G
15 OF 20	MA PREPARATORY AND FINAL TIE-IN DETAILS H
16 OF 20	MA PREPARATORY AND FINAL TIE-IN DETAILS I
17 OF 20	MA CORROSION DETAILS (1 OF 3)
18 OF 20	MA CORROSION DETAILS (2 OF 3)
19 OF 20	MA CORROSION DETAILS (3 OF 3)
20 OF 20	BLANK GRIDDED SHEET



WORK SCOPE

PROJECT SUMMARY TABLE				
INSTALLATION INFORMATION				
Work Type	LENGTH (FT)	SIZE (IN)	MAOP	MATERIAL
INSTALL	1,820'	2"	60 psig - MP	HDPE
INSTALLATION TOTAL				1,820'
UPRATE/RETEST TOTAL				0'

PROJECT SUMMARY TABLE			
ABANDONMENT INFORMATION			
LENGTH (FT)	SIZE (IN)	MAOP	ABANDONMENT CLASS
1,844'	6"	14" WC	CI-(GSEP)
4'	6"	14" WC	Plastic (Non-GSEP)
GSEP ABANDONMENT SUBTOTAL			1,844'
NON-GSEP ABANDONMENT SUBTOTAL			4'
ABANDONMENT TOTAL			1,848'

ISSUED FOR
CONSTRUCTION



FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

LOCUST ST - GSEP, SPRINGFIELD, MA
PROJECT #26EG018
WORK ORDER #20772733

0	DRAWING CREATED	4/15/25	RTM
No.	Description	Date	Dw/Ck
Revision/Status			
EVERSOURCE ENERGY			
LOCUST ST - GSEP, SPRINGFIELD, MA			
PROJECT # 26EG018 / WORK ORDER # 20772733			
COVER SHEET			
SCALE:1"=20' ON 22"X34"		SHEET 01 OF 20	
Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
RTM / 4/15/25	MJN / 5/06/25	26-MA-SPR-00107-01	00

26-MA-SPR-00107 - Locust St - FPO Drawing - REV00.dwg

EGMA DRAWING TEMPLATE - 02-28-2023

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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.

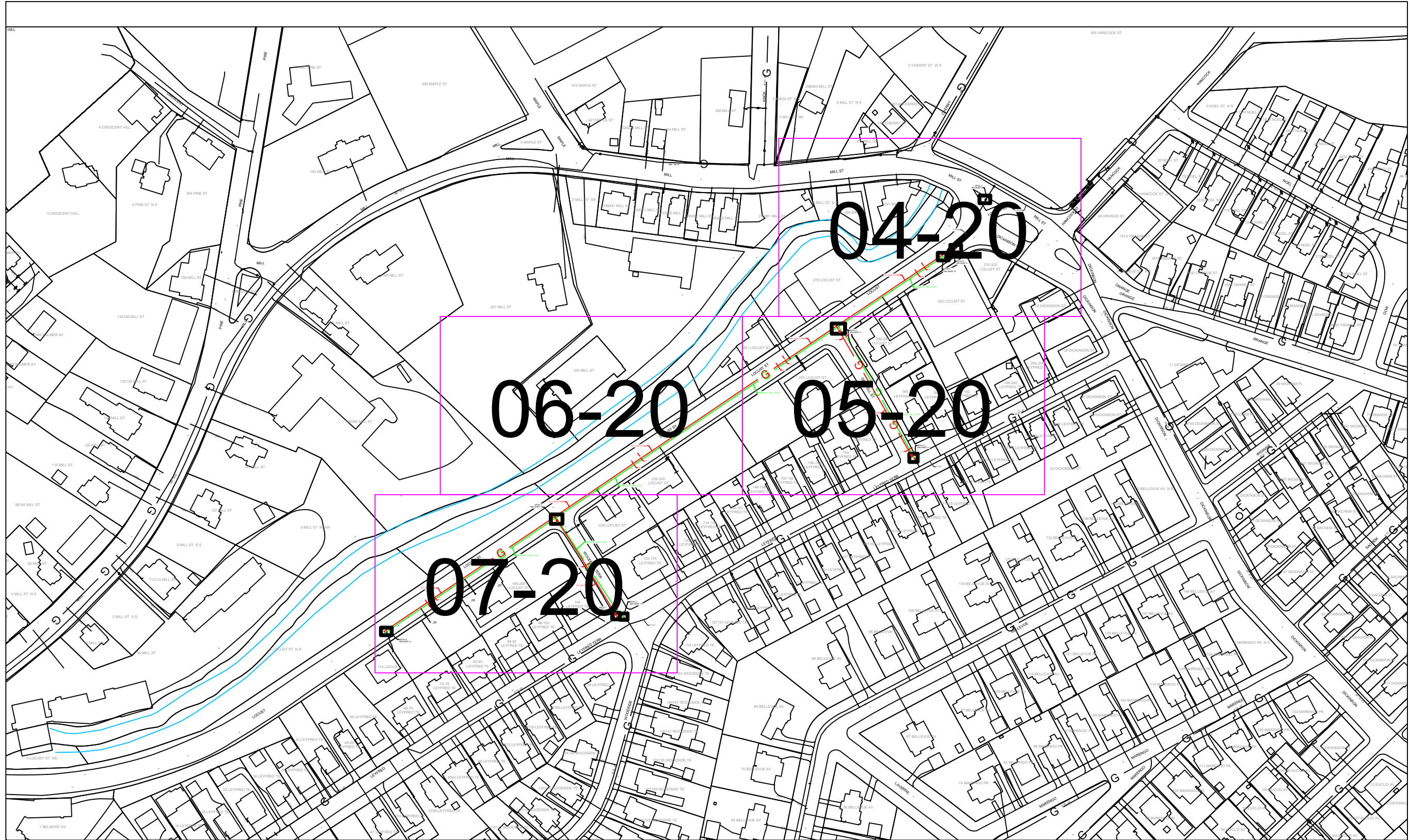
NORTH DIRECTION INCLUDED ON ALL DRAWING SHEETS DEPICTS "TRUE NORTH" IN THE NORTH AMERICAN HORIZONTAL DATUM OF 1983 (NAD83) AND IS APPROXIMATE ONLY.
- D.

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

ISSUED FOR
CONSTRUCTION



FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

LOCUST ST - GSEP, SPRINGFIELD				COMPLETE BOM	
REQUIRED BILL OF MATERIALS					
Item Number	Maximo Part Number	Description	Quantity	Units	
15	500854	COUPLING, 2 IN IPS, ELECTROFUSION, HDPE, BLACK, ASTM F1055, GFCP	20	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	1	EA	
14	503984	COUPLING, 1 IN IPS, ELECTROFUSION, HDPE, BLACK, ASTM F1055, GFCP	3	EA	
370	513679	CABLE, INSULATED, MDP, #12 AWG, 7 STR, YELLOW, POLYETHYLENE-30, SOFT DRAWN CU, 500 FT/RL, FOR USED AS PIPE LOCATOR	1820	FT	
8	542572	CAP, PIPE, 2 IN IPS SDR 11, BUTT FUSION END, HDPE, P-4710	4	EA	
361	554878	PLUG, PIPE, SQUARE HEAD, SOLID, 2 IN, THREADED END, BLACK IRON, ANSI B1.20.1	9	EA	
29	560705	TEE, PIPE, THREE WAY, 2 IN IPS SDR 11, BUTT FUSION ENDS, HDPE, PE-4710	2	EA	
33	562087	VALVE, BALL, 2 IN IPS SDR 11, BUTT FUSION ENDS, FULL PORT, HDPE, PE-4710	5	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,	2	RL	
362	576212	FITTING, PLUG, SQUARE HEAD, SOLID, 1/4 IN, 300 STEEL, BLACK, 100/BOX	4	EA	
1727	577813	BOX VALVE, CURB, W/ 4-1/4 IN SQ NON-LOCKING LID, FOR 2 IN VALVES, PAVEMENT RISER RING IN 583489, 20/BOX	4	EA	
232	578022	FITTING, CLAMP, SERVI-SEAL REPAIR, 6 IN DIA, 9 IN LG, W/ 2 IN OUTLET, FOR CAST IRON PIPE	15	EA	
369	582852	MARKER, BALL, 4 DIA, POLYETHYLENE SHELL, YELLOW, FOR MARKING THE LOCATION OF BURIED FACILITIES, QTY 30 TO A PAC	5	EA	
1654	584467	COUPLING, 1-1/4 IN IPS, ELECTROFUSION, HDPE, BLACK, ASTM F1055, GFCP	1	EA	
12	584982	COUPLING, 1/2 IN CTS, ELECTROFUSION, HDPE, BLACK, ASTM F1055, GFCP	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	1820	FT	
1639	604753	TEE, PIPE, NON-BLOWING, 2 X 1 IN IPS SDR 11, POLYETHYLENE, PE3408, ELECTROFUSION X 18 IN LONG PLAIN END PUP PIECE	4	EA	
238	610399	FITTING, CAP, LINE, INSULATED, 6 IN, 6.90 IN OD, CI, W/ ANODE, FOR CI PIPE, CMA 21128001	4	EA	
90	610757	FITTING, CAP, END, LYCOFIT, 1/2 IN CTS X 0.090 IN THK WALL, PLASTIC, CMA 750823	1	EA	
1781	620667	PIPE, 1 IN IPS SDR 11, 500 FT LG COIL, HDPE PE4710, BLACK W/ YELLOW STRIPES, ASTM D2513, 99 PSIG MAOP, GAS DISTRIBUTION	36	LF	
1653	620808	FITTING, CAP, LYCOFIT, 1 IN IPS SDR 11, PLASTIC, ASTM F1924	3	EA	

0	DRAWING CREATED	4/15/25	RTM
No.	Description	Date	Dw/Ck
Revision/Status			
EVERSOURCE ENERGY			
LOCUST ST - GSEP, SPRINGFIELD, MA			
PROJECT # 26EG018 / WORK ORDER # 20772733			
NOTES			
SCALE: 1"=20' ON 22"X34"		SHEET 02 OF 20	
Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
RTM 4/15/25	MJN 5/06/25	26-MA-SPR-00107-02	00

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
		Gas Main Marker without Tracer Wire
		Test Well
		Regulator Station
		Single Customer Regulator
		Meter
		Meter with Regulator
		Test Point (Station)
		Gas Service Tie-over
		Gas Service Replacement
MMO		Meter Move Out
Swing Tie Symbology		
		Telephone Manhole
		Drain Manhole
		Electric Manhole
		Catch Basis
		Sewer Manhole
		Fire Hydrant
		Utility Pole
		Property Marker
		Telephone Pedestal
		Television Pedestal
		Unknown Manhole
		Water Box
		Water Gate
		Electric Pedestal
		Iron Pin
		Light Pole
		INSIDE METER
		OUTSIDE METER

ISSUED FOR
CONSTRUCTION

EVERSOURCE
ENERGY

FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

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No.	Description	Date	Dw/Ck
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EVERSOURCE ENERGY			
LOCUST ST - GSEP, SPRINGFIELD, MA			
PROJECT # 26EG018 / WORK ORDER # 20772733			
LEGEND			
SCALE:1"=20' ON 22"X34"		SHEET 03 OF 20	
Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
RTM 4/15/25	MJN 5/06/25	26-MA-SPR-00107-03	00



ISSUED FOR
CONSTRUCTION

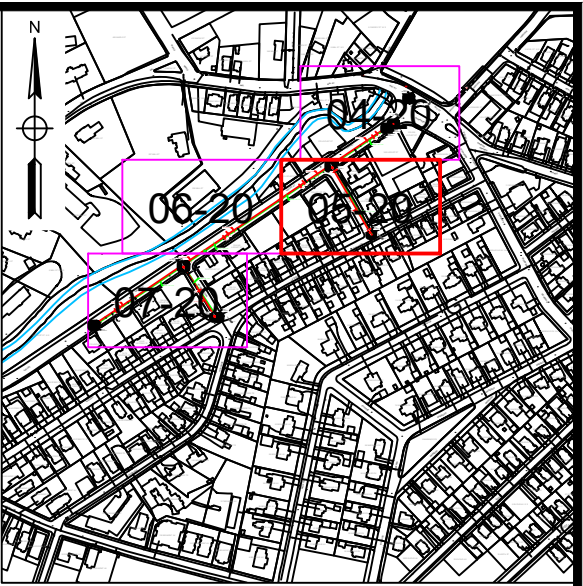
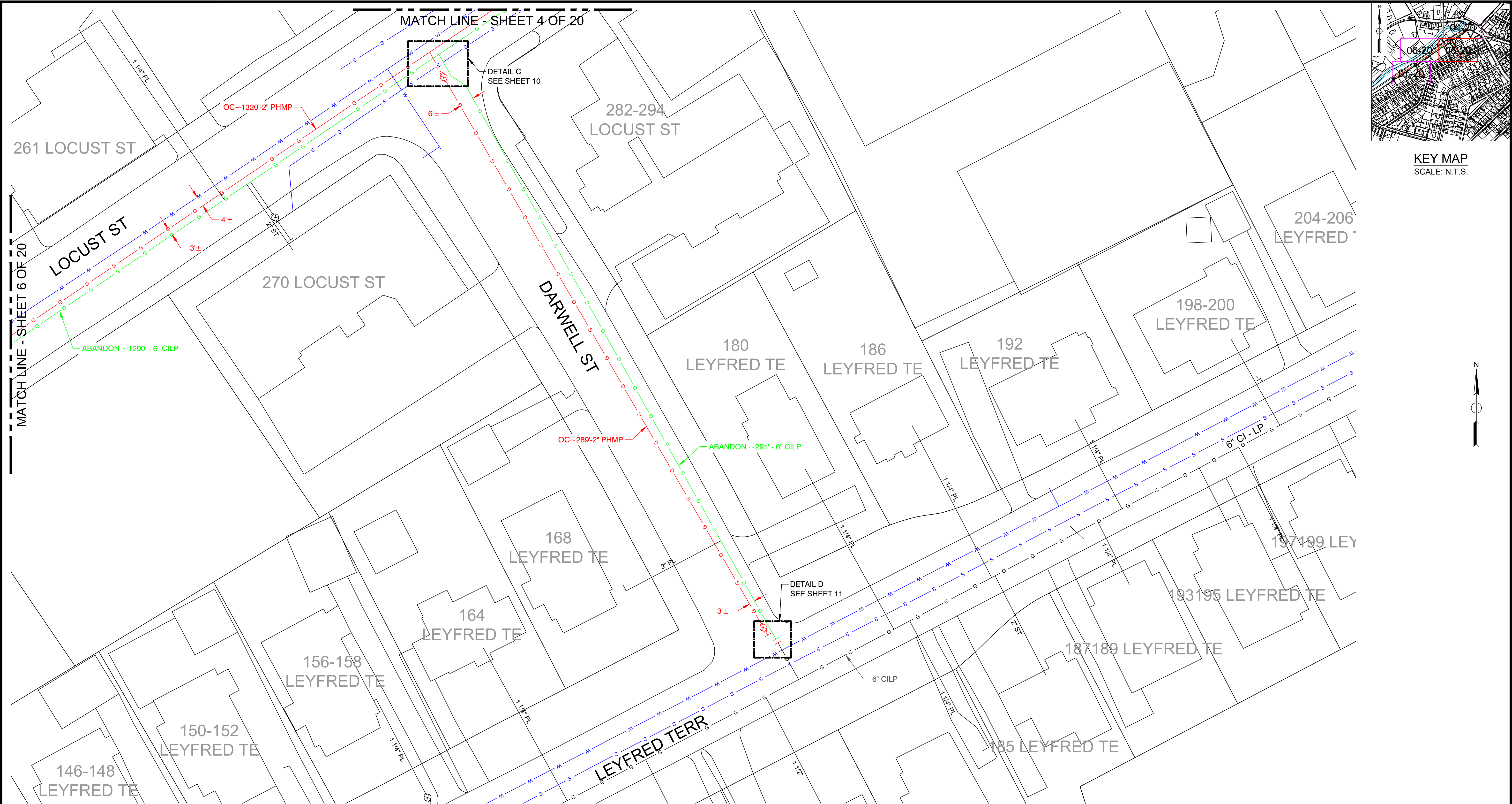


			
LOCUST ST - GSEP, SPRINGFIELD, MA			
PROJECT # 26EG018 / WORK ORDER # 20772733			
PROJECT LOCATION PLANS			
SCALE: 1"=20' ON 22"x34"			SHEET 04 OF 20
Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
RTM 4/15/25	MJN 5/06/25	26-MA-SPR-00107-04	00
			Pack

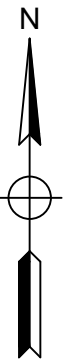
26-MA-SPR-00107 - Locust St - FPO Drawing - REV00.dwg

EGMA DRAWING TEMPLATE - 02-28-2023

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KEY MAP
SCALE: N.T.S.



0	DRAWING CREATED	4/15/25	RTM
No.	Description	Date	Dw/Ck
Revision/Status			

ISSUED FOR
CONSTRUCTION



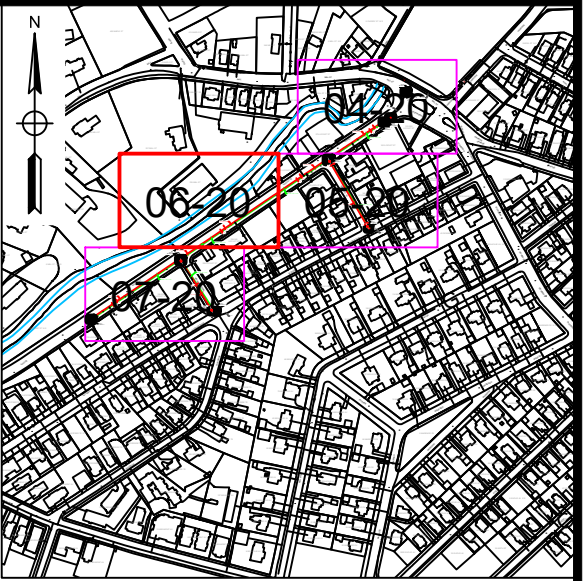
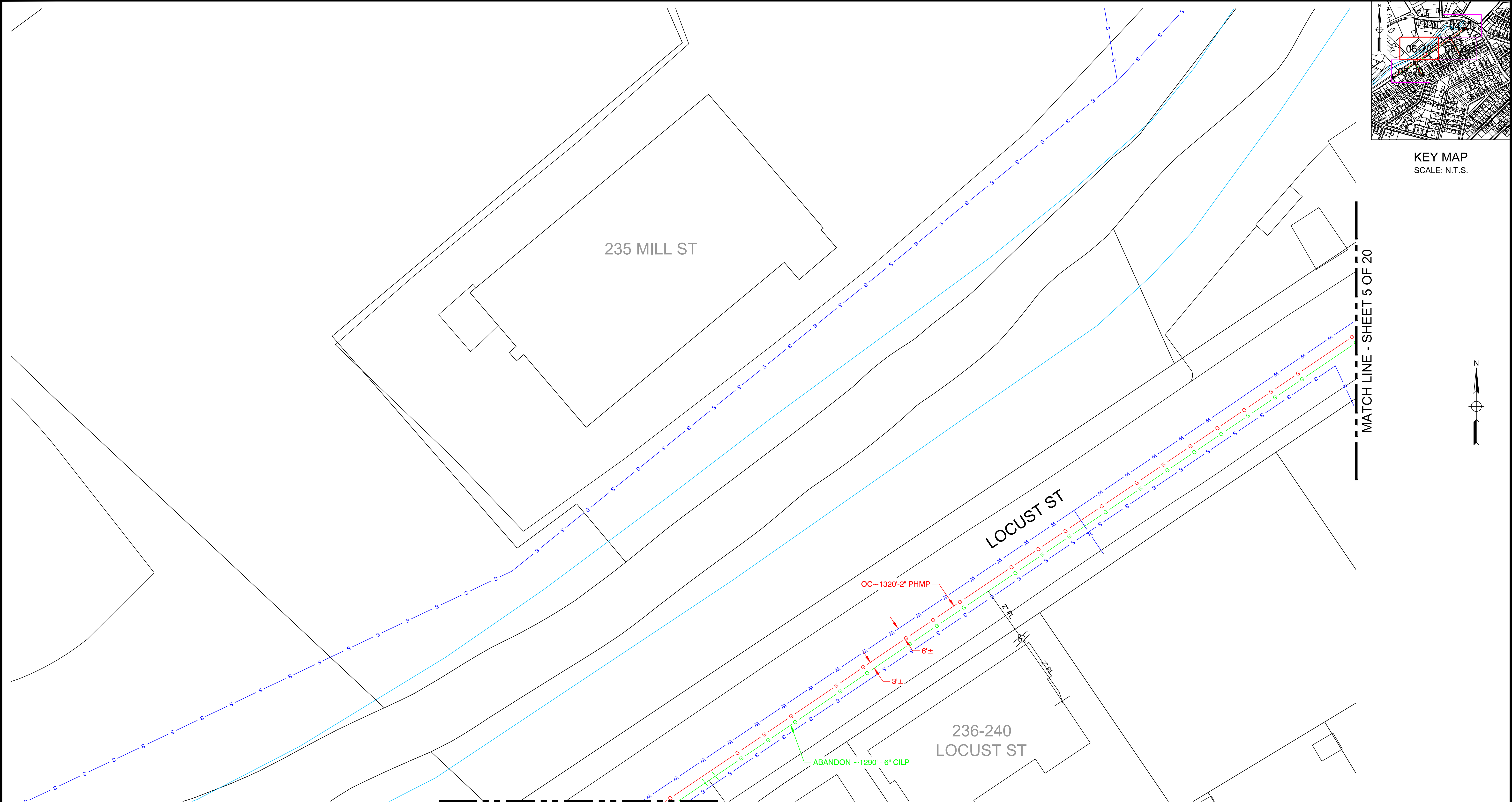
FIELD VERIFY DIMENSIONS
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EVERSOURCE ENERGY			
LOCUST ST - GSEP, SPRINGFIELD, MA			
PROJECT # 26EG018 / WORK ORDER # 20772733			
PROJECT LOCATION PLANS			
SCALE: 1"=20' ON 22"x34"			SHEET 05 OF 20
Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
RTM 4/15/25	MJN 5/06/25	26-MA-SPR-00107-05	00

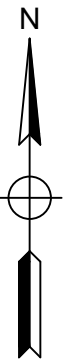
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EGMA DRAWING TEMPLATE - 02-28-2023

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KEY MAP
SCALE: N.T.S.



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No.	Description	Date	Dw/Ck
Revision/Status			

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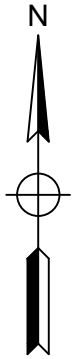
FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

EVERSOURCE ENERGY			
LOCUST ST - GSEP, SPRINGFIELD, MA			
PROJECT # 26EG018 / WORK ORDER # 20772733			
PROJECT LOCATION PLANS			
SCALE: 1"=20' ON 22"x34"		SHEET 06 OF 20	
Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
RTM 4/15/25	MJN 5/06/25	26-MA-SPR-00107-06	00



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CONSTRUCTION

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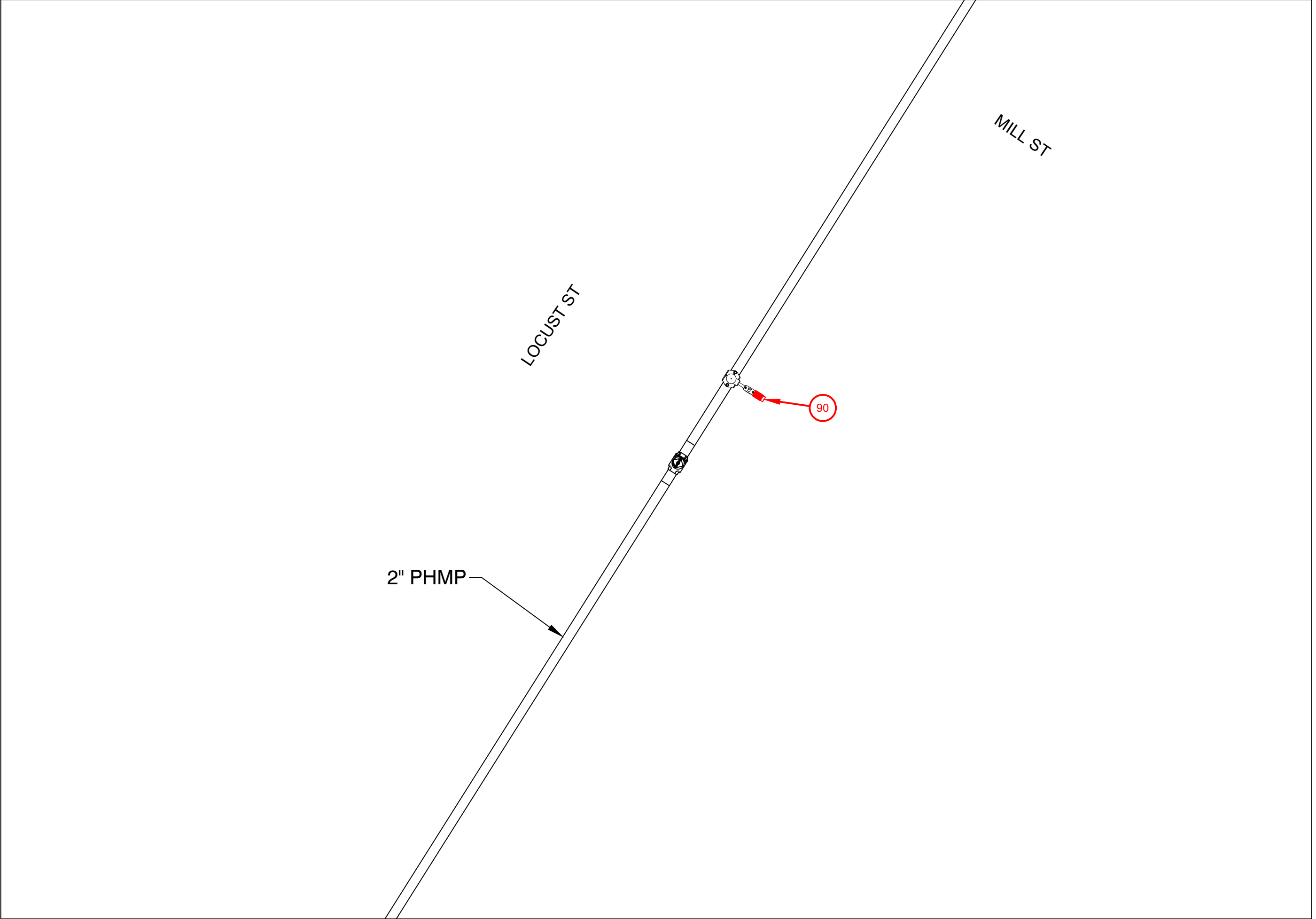


LOCUST ST - GSEP, SPRINGFIELD			DETAIL "A" PREPARATORY		
REQUIRED BILL OF MATERIALS					
Item Number	MRC Stock Number	Maximo Part Number	Description	Quantity	Units
12	63051049	584982	COUPLING, 1/2 IN CTS, ELECTROFUSION, HDPE, BLACK, ASTM F1055 , GFCP	1	EA
48	63051215	500866	TEE, PIPE, NON-BLOWING, ELECTROFUSION TAPPING TEE 2 IN IPS MAIN X 1/2 IN CTS 0.090 IN THK WALL STAB OUTLET, HDPE, BLACK	1	EA



PREPARATORY TIE-IN DETAIL A
NOT TO SCALE

LOCUST ST - GSEP, SPRINGFIELD				DETAIL "A" FINAL	
REQUIRED BILL OF MATERIALS					
Item Number	MRC Stock Number	Maximo Part Number	Description	Quantity	Units
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
CONSTRUCTION



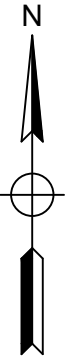
FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

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No.	Description	Date	Dw/Ck
Revision/Status			
EVERSOURCE ENERGY			
LOCUST ST - GSEP, SPRINGFIELD, MA			
PROJECT # 26EG018 / WORK ORDER # 20772733			
PREPARATORY AND FINAL TIE-IN DETAILS			
SCALE:1"=20' ON 22"X34"		SHEET 08 OF 20	
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RTM 4/15/25	MJN 5/06/25	26-MA-SPR-00107-08	00

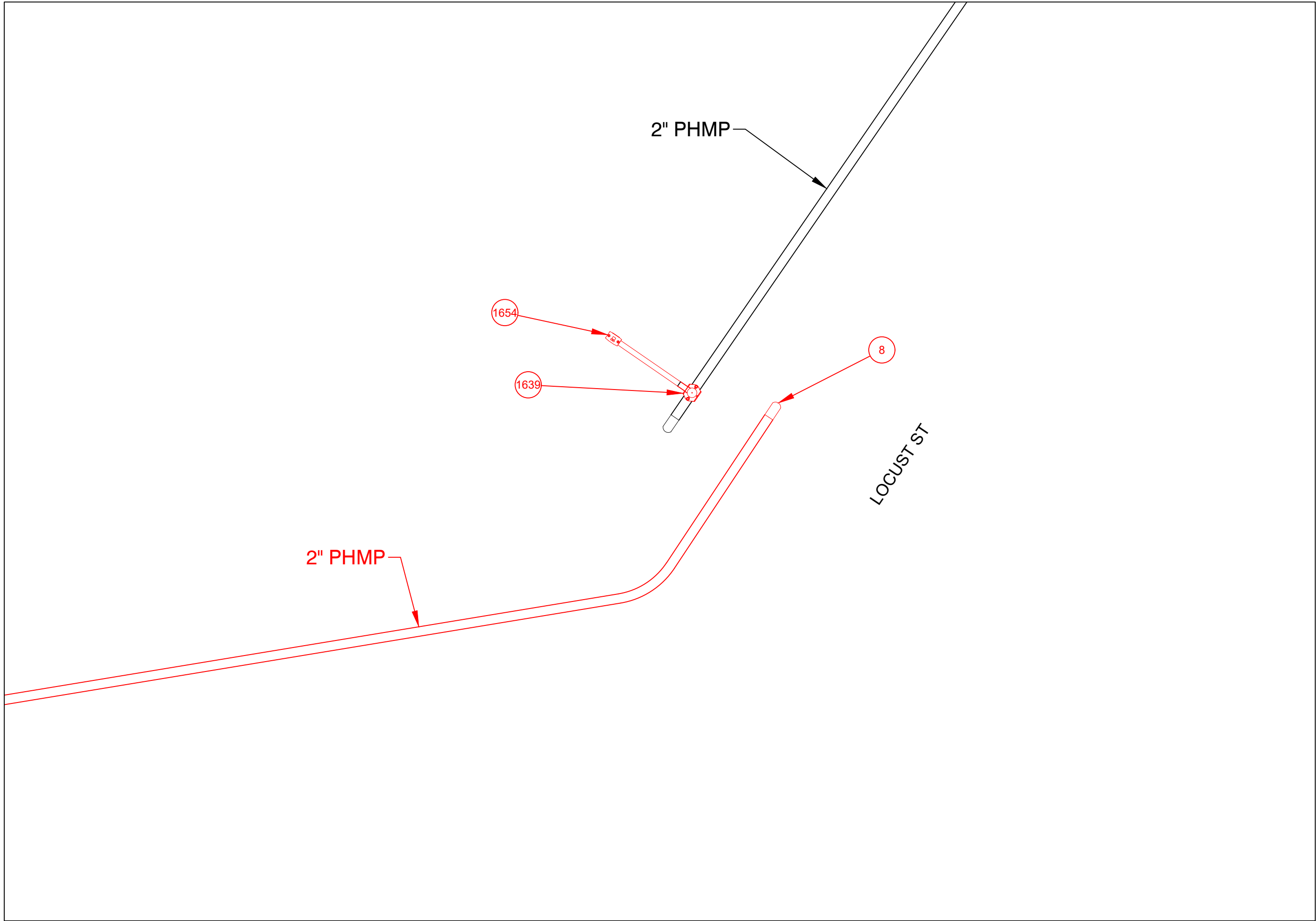
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EGMA DRAWING TEMPLATE - 02-28-2023

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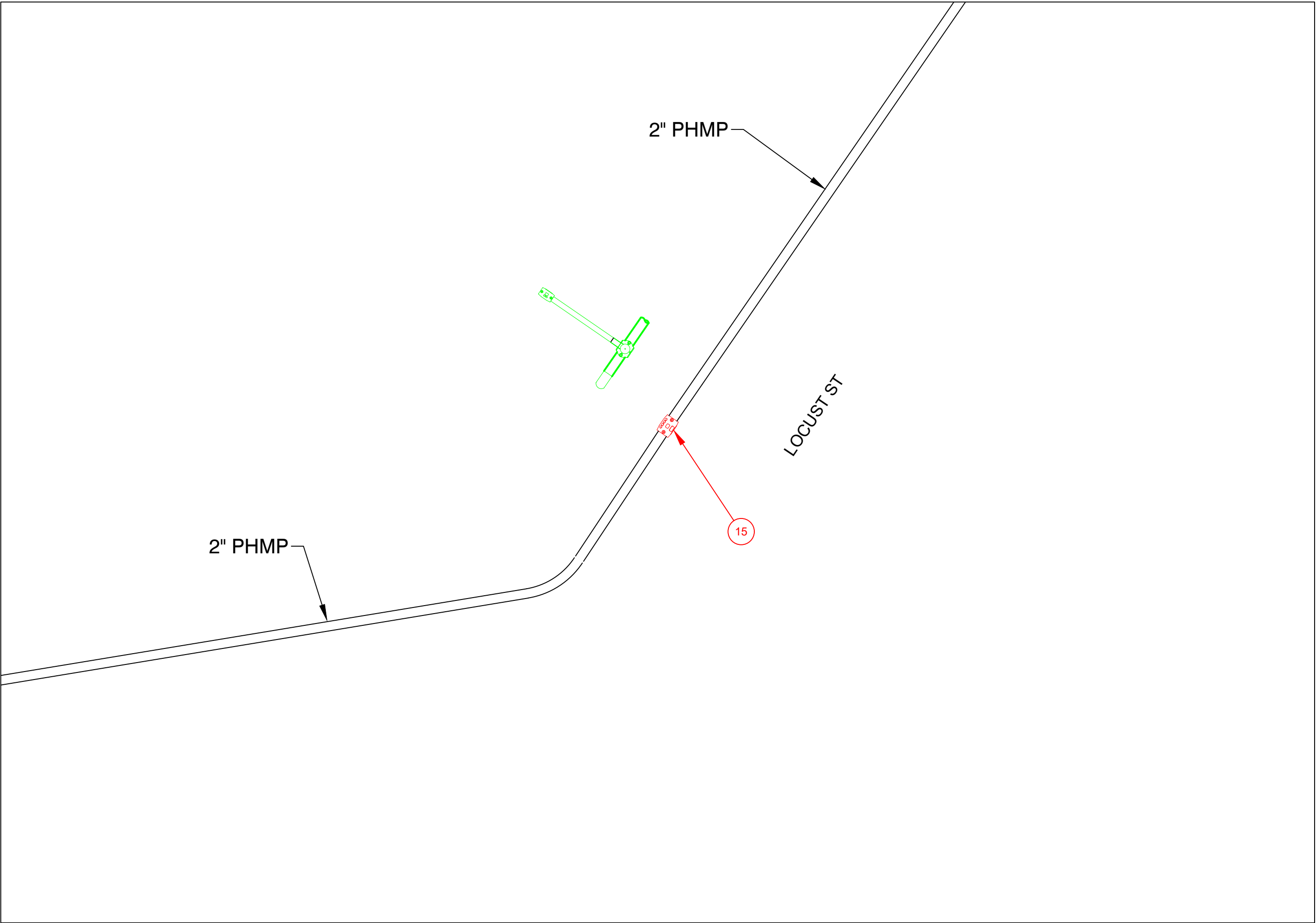


LOCUST ST - GSEP, SPRINGFIELD			DETAIL "B" PREPARATORY		
REQUIRED BILL OF MATERIALS					
Item Number	MRC Stock Number	Maximo Part Number	Description	Quantity	Units
1639	CENTPLCO	604753	TEE,PIPE, NON-BLOWING, 2 X 1 IN IPS SDR 11, POLYETHYLENE, PE3408, ELECTROFUSION X 18 IN LONG PLAIN END PUP PIECE	1	EA
1654	MCJUREMA-000	584467	COUPLING, 1-1/4 IN IPS, ELECTROFUSION, HDPE, BLACK, ASTM F1055, GFCP	1	EA
8	63078024	542572	CAP,PIPE, 2 IN IPS SDR 11, BUTT FUSION END, HDPE, P-4710	1	EA



PREPARATORY TIE-IN DETAIL B
NOT TO SCALE

LOCUST ST - GSEP, SPRINGFIELD				DETAIL "B" FINAL	
REQUIRED BILL OF MATERIALS					
Item Number	MRC Stock Number	Maximo Part Number	Description	Quantity	Units
15	63054025	500854	COUPLING, 2 IN IPS, ELECTROFUSION, HDPE, BLACK, ASTM F1055, GFCP	1	EA



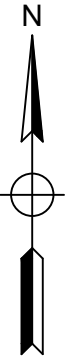
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NOT TO SCALE

ISSUED FOR
CONSTRUCTION

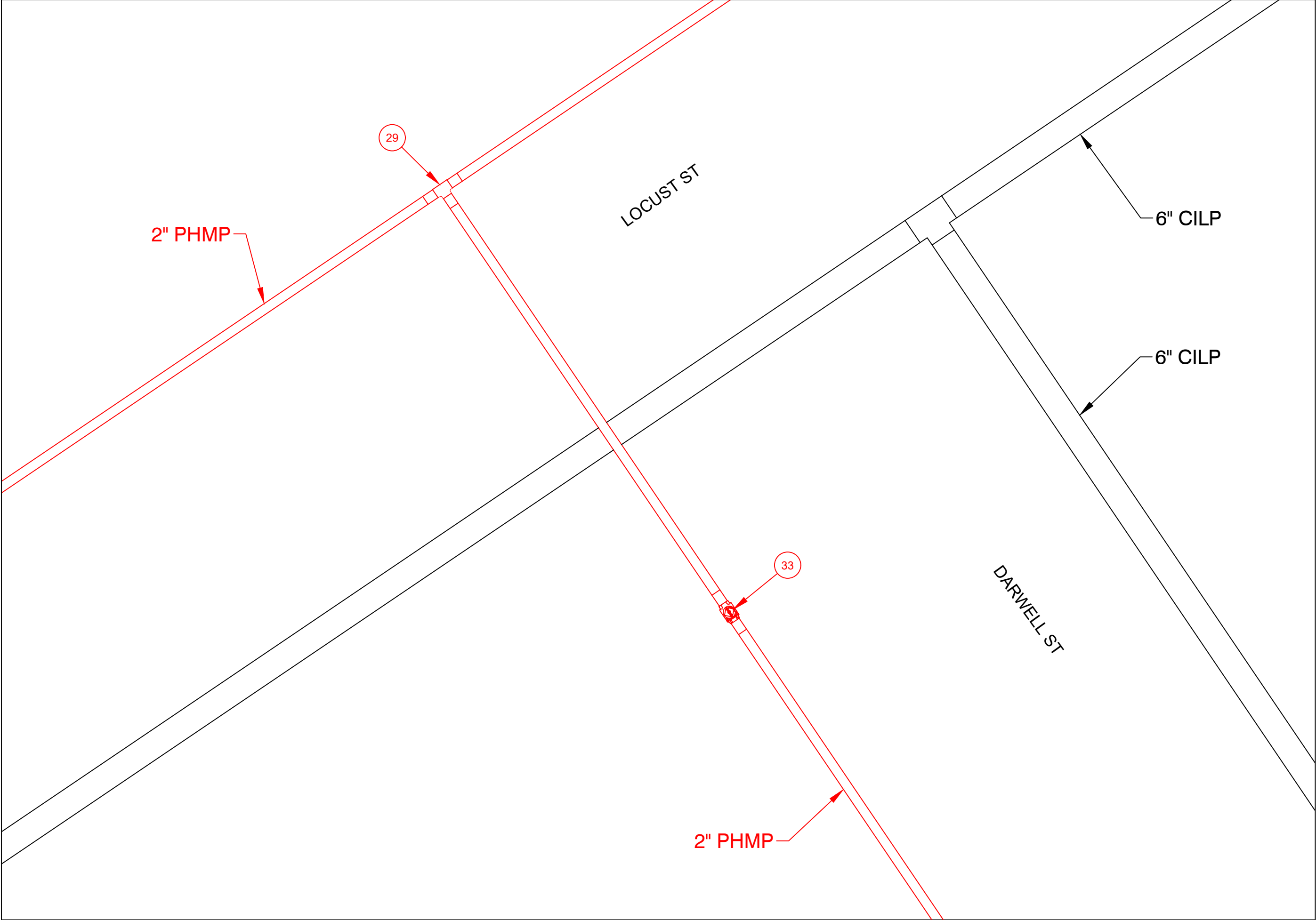
EVERSOURCE
ENERGY

FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

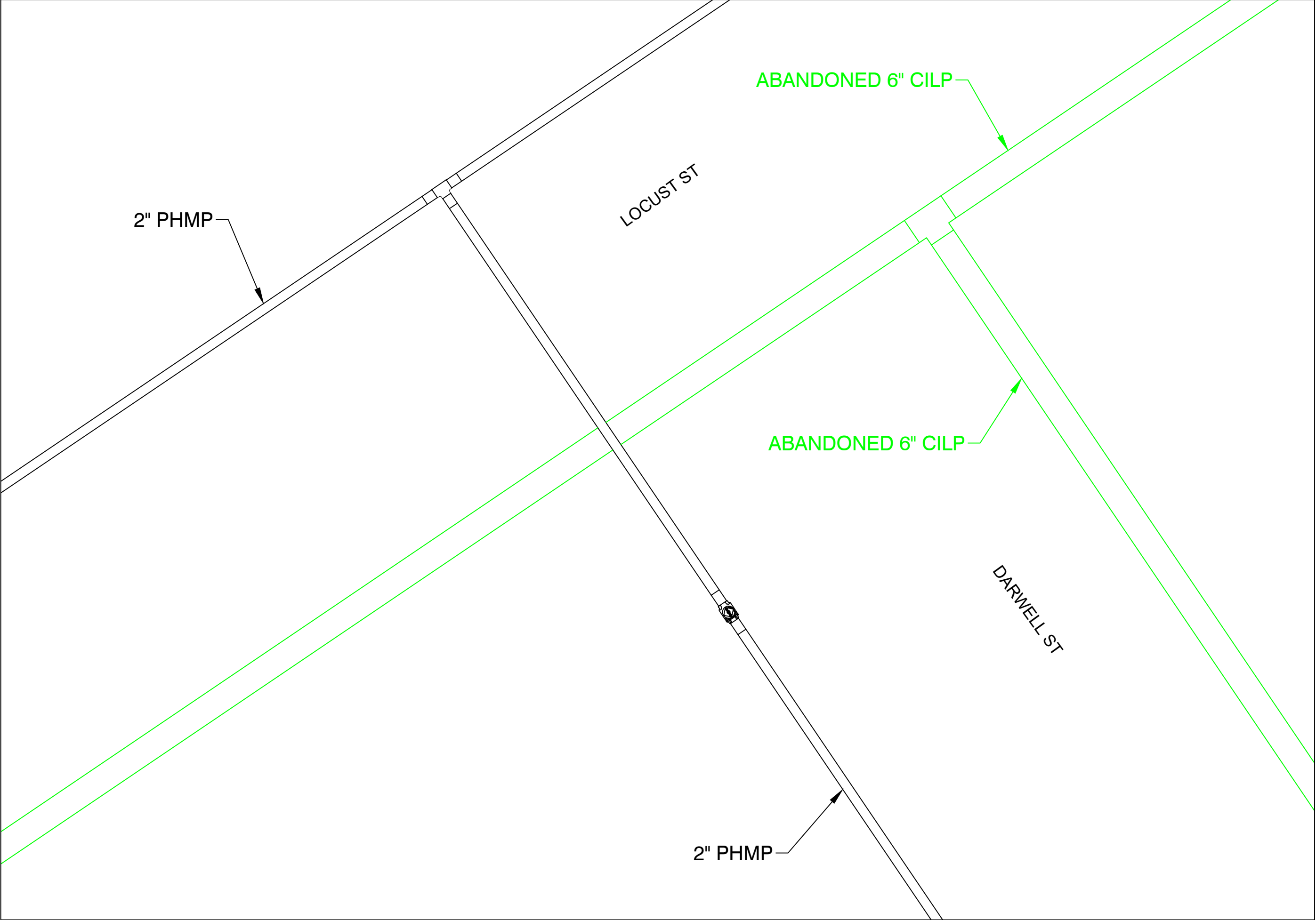
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Revision/Status			
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LOCUST ST - GSEP, SPRINGFIELD, MA			
PROJECT # 26EG018 / WORK ORDER # 20772733			
PREPARATORY AND FINAL TIE-IN DETAILS			
SCALE:1"=20' ON 22"X34"		SHEET 09 OF 20	
Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
RTM 4/15/25	MJN 5/06/25	26-MA-SPR-00107-09	00



LOCUST ST - GSEP, SPRINGFIELD			DETAIL "C" PREPARATORY		
REQUIRED BILL OF MATERIALS					
Item Number	MRC Stock Number	Maximo Part Number	Description	Quantity	Units
29	63078441	560705	TEE,PIPE, THREE WAY, 2 IN IPS SDR 11, BUTT FUSION ENDS, HDPE, PE-4710	1	EA
33	14281726	562087	VALVE,BALL, 2 IN IPS SDR 11, BUTT FUSION ENDS, FULL PORT, HDPE, PE-4710	1	EA



PREPARATORY TIE-IN DETAIL C
NOT TO SCALE



FINAL TIE-IN DETAIL C
NOT TO SCALE

ISSUED FOR
CONSTRUCTION



FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

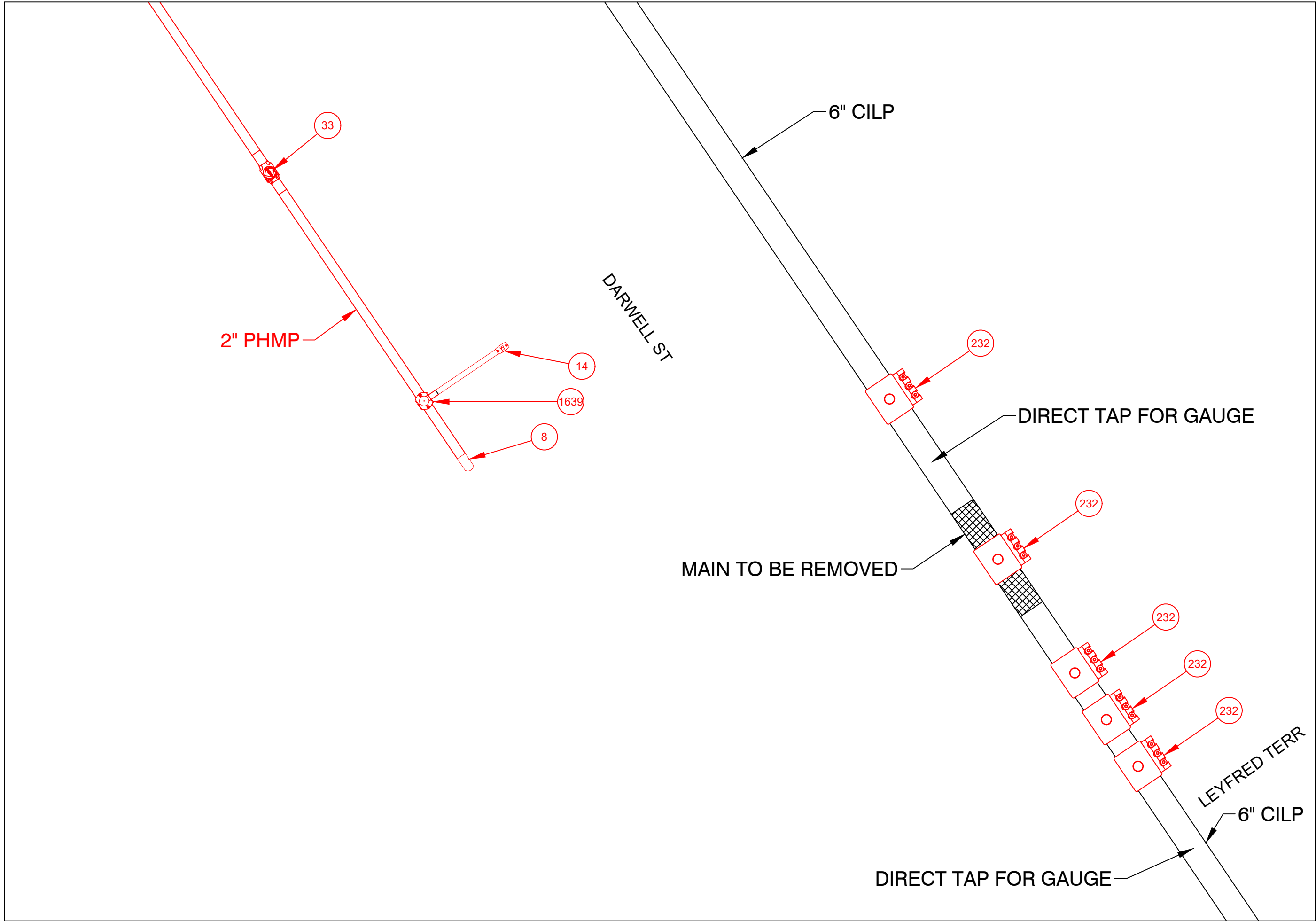
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No.	Description	Date	Dw/Ck
Revision/Status			
EVERSOURCE ENERGY			
LOCUST ST - GSEP, SPRINGFIELD, MA			
PROJECT # 26EG018 / WORK ORDER # 20772733			
PREPARATORY AND FINAL TIE-IN DETAILS			
SCALE:1"=20' ON 22"X34"		SHEET 10 OF 20	
Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
RTM 4/15/25	MJN 5/06/25	26-MA-SPR-00107-10	00

26-MA-SPR-00107 - Locust St - FPO Drawing - REV00.dwg

EGMA DRAWING TEMPLATE - 02-28-2023

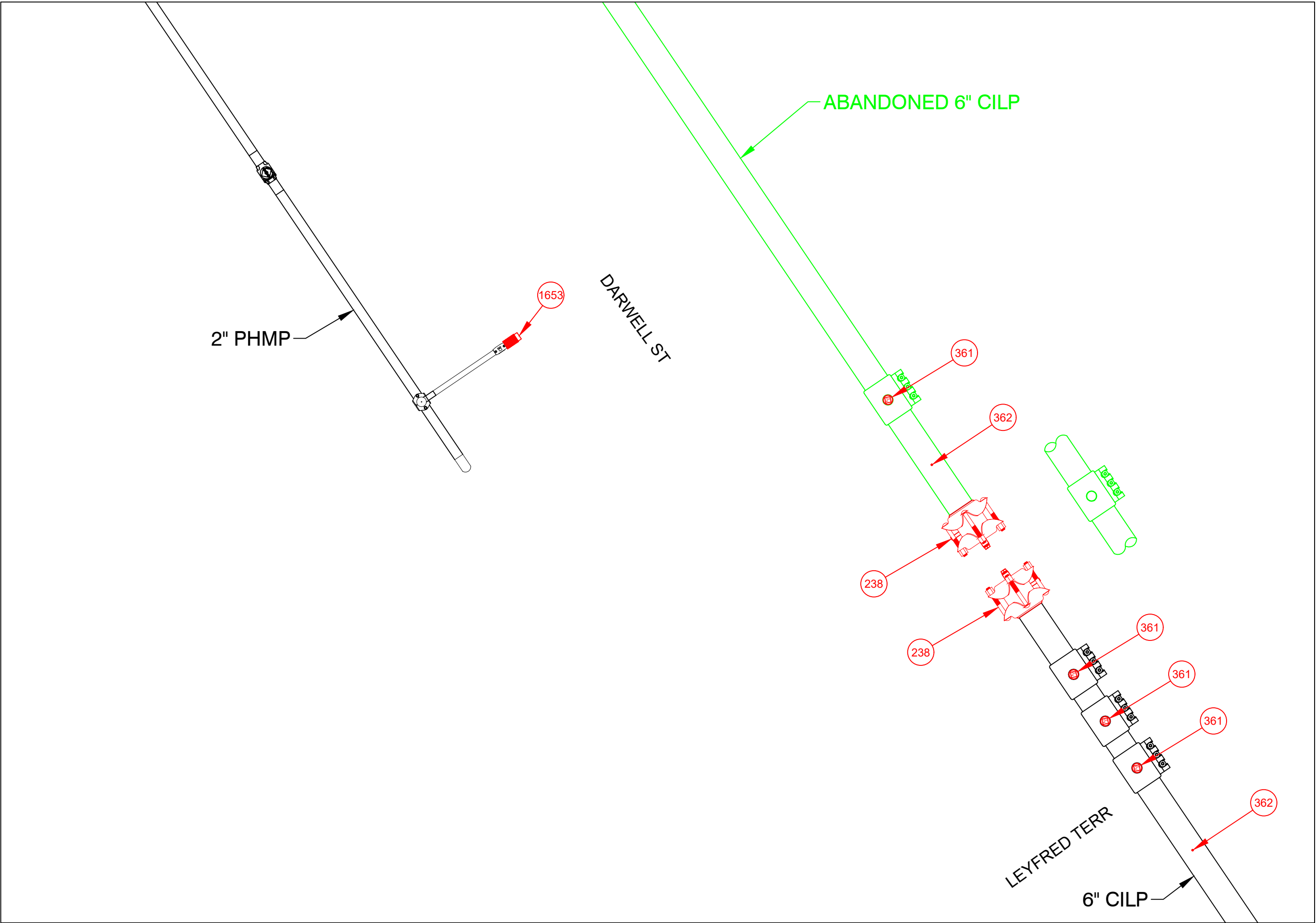
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LOCUST ST - GSEP, SPRINGFIELD					DETAIL "D" PREPARATORY
REQUIRED BILL OF MATERIALS					
Item Number	MRC Stock Number	Maximo Part Number	Description	Quantity	Units
14	63054027	503984	COUPLING, 1 IN IPS, ELECTROFUSION, HDPE, BLACK, ASTM F1055, GFCP	1	EA
1639	CENTPLCO	604753	TEE, PIPE, NON-BLOWING, 2 X 1 IN IPS SDR 11, POLYETHYLENE, PE3408, ELECTROFUSION X 18 IN LONG PLAIN END PUP PIECE	1	EA
232	63462159	578022	FITTING, CLAMP, SERVI-SEAL REPAIR, 6 IN DIA, 9 IN LG, W/ 2 IN OUTLET, FOR CAST IRON PIPE	5	EA
33	14281726	562087	VALVE, BALL, 2 IN IPS SDR 11, BUTT FUSION ENDS, FULL PORT, HDPE, PE-4710	1	EA
8	63078024	542572	CAP, PIPE, 2 IN IPS SDR 11, BUTT FUSION END, HDPE, P-4710	1	EA



PREPARATORY TIE-IN DETAIL D
NOT TO SCALE

LOCUST ST - GSEP, SPRINGFIELD					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
238	63481013	610399	FITTING, CAP, LINE, INSULATED, 6 IN, 6.90 IN OD, CI, W/ ANODE, FOR CI PIPE, CMA 21128001	2	EA
362	19080030	576212	FITTING, PLUG, SQUARE HEAD, SOLID, 1/4 IN, 300 STEEL, BLACK, 100/BOX	2	EA



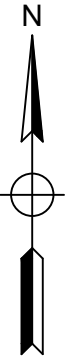
FINAL TIE-IN DETAIL D
NOT TO SCALE

ISSUED FOR
CONSTRUCTION

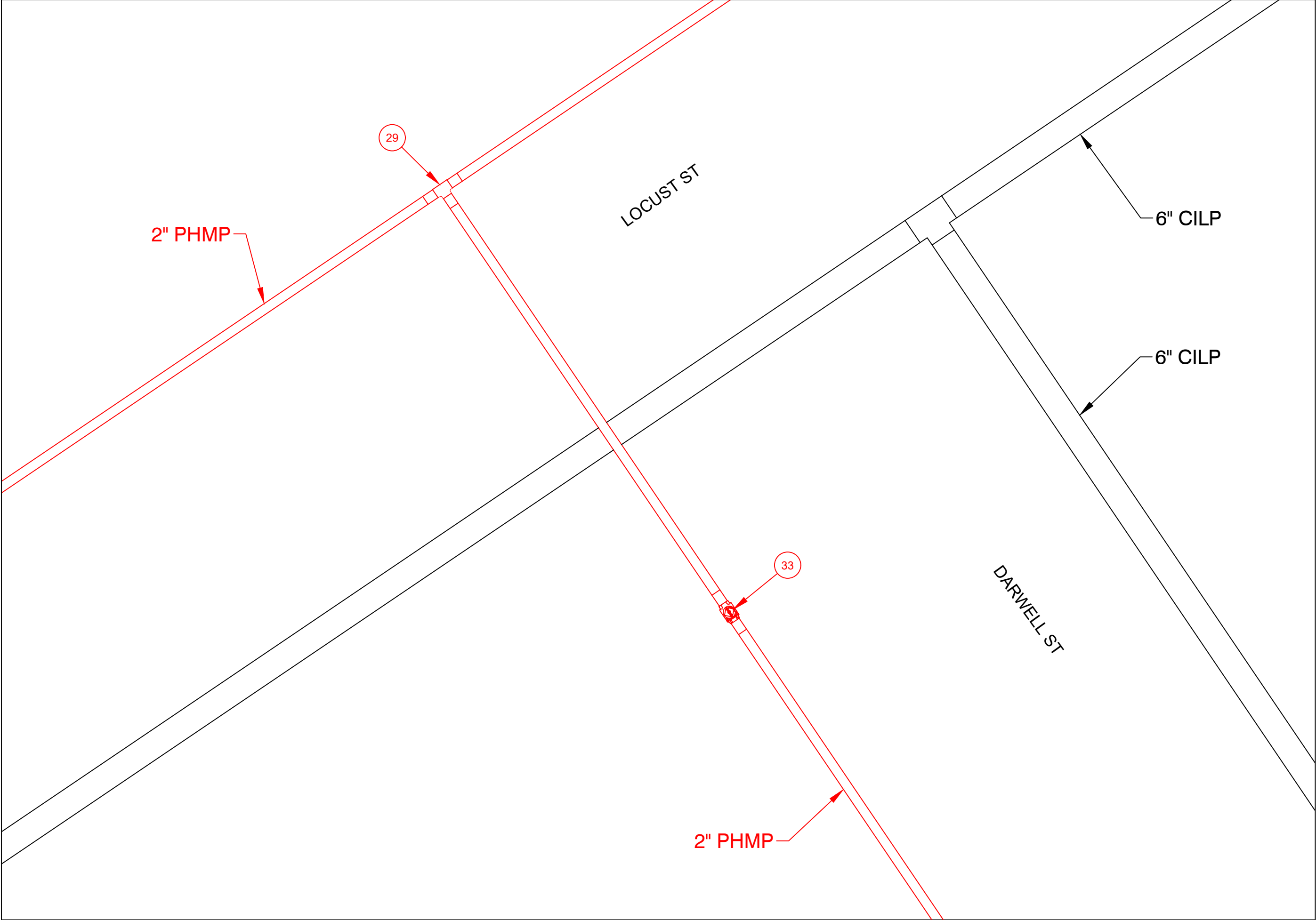
EVERSOURCE
ENERGY

FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

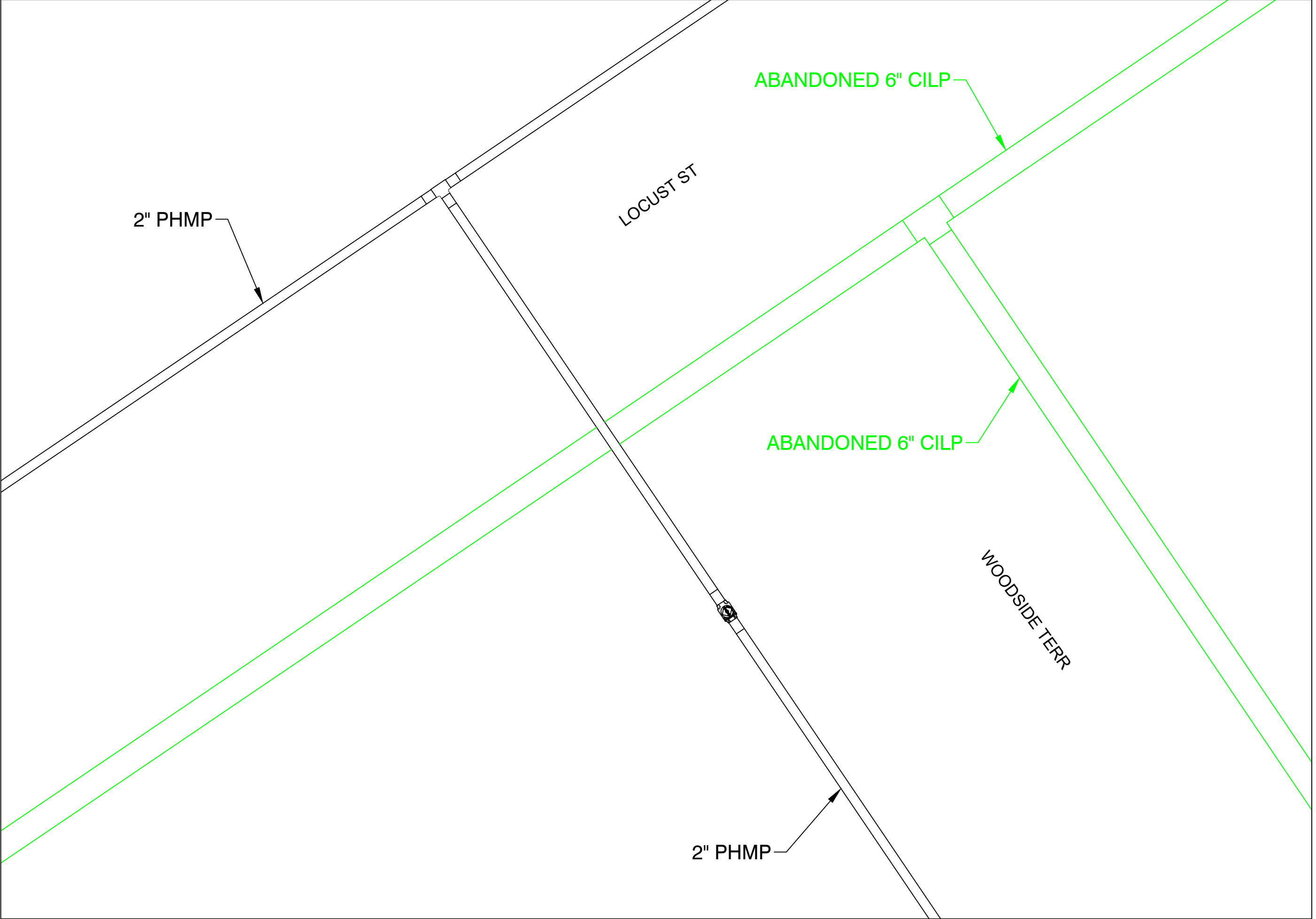
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No.	Description	Date	Dw/Ck
Revision/Status			
EVERSOURCE ENERGY			
LOCUST ST - GSEP, SPRINGFIELD, MA			
PROJECT # 26EG018 / WORK ORDER # 20772733			
PREPARATORY AND FINAL TIE-IN DETAILS			
SCALE: 1"=20' ON 22"X34"		SHEET 11 OF 20	
Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
RTM 4/15/25	MJN 5/06/25	26-MA-SPR-00107-11	00



LOCUST ST - GSEP, SPRINGFIELD			DETAIL "E" PREPARATORY		
REQUIRED BILL OF MATERIALS					
Item Number	MRC Stock Number	Maximo Part Number	Description	Quantity	Units
29	63078441	560705	TEE,PIPE, THREE WAY, 2 IN IPS SDR 11, BUTT FUSION ENDS, HDPE, PE-4710	1	EA
33	14281726	562087	VALVE,BALL, 2 IN IPS SDR 11, BUTT FUSION ENDS, FULL PORT, HDPE, PE-4710	1	EA



PREPARATORY TIE-IN DETAIL E
NOT TO SCALE



FINAL TIE-IN DETAIL E
NOT TO SCALE

ISSUED FOR
CONSTRUCTION



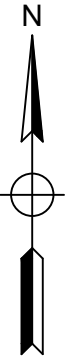
FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

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No.	Description	Date	Dw/Ck
Revision/Status			
EVERSOURCE ENERGY			
LOCUST ST - GSEP, SPRINGFIELD, MA			
PROJECT # 26EG018 / WORK ORDER # 20772733			
PREPARATORY AND FINAL TIE-IN DETAILS			
SCALE: 1"=20' ON 22"X34"		SHEET 12 OF 20	
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RTM 4/15/25	MJN 5/06/25	26-MA-SPR-00107-12	00

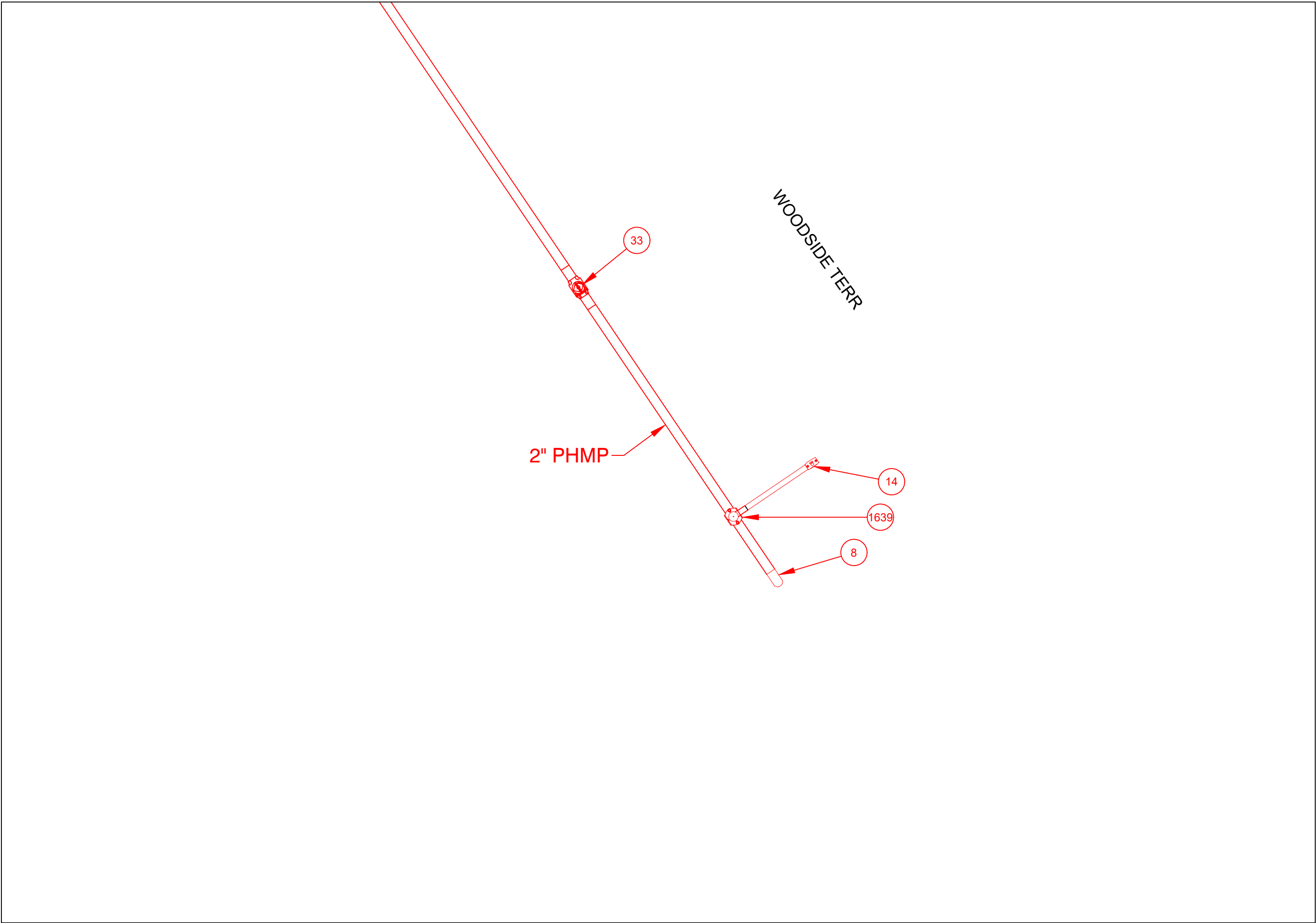
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EGMA DRAWING TEMPLATE - 02-28-2023

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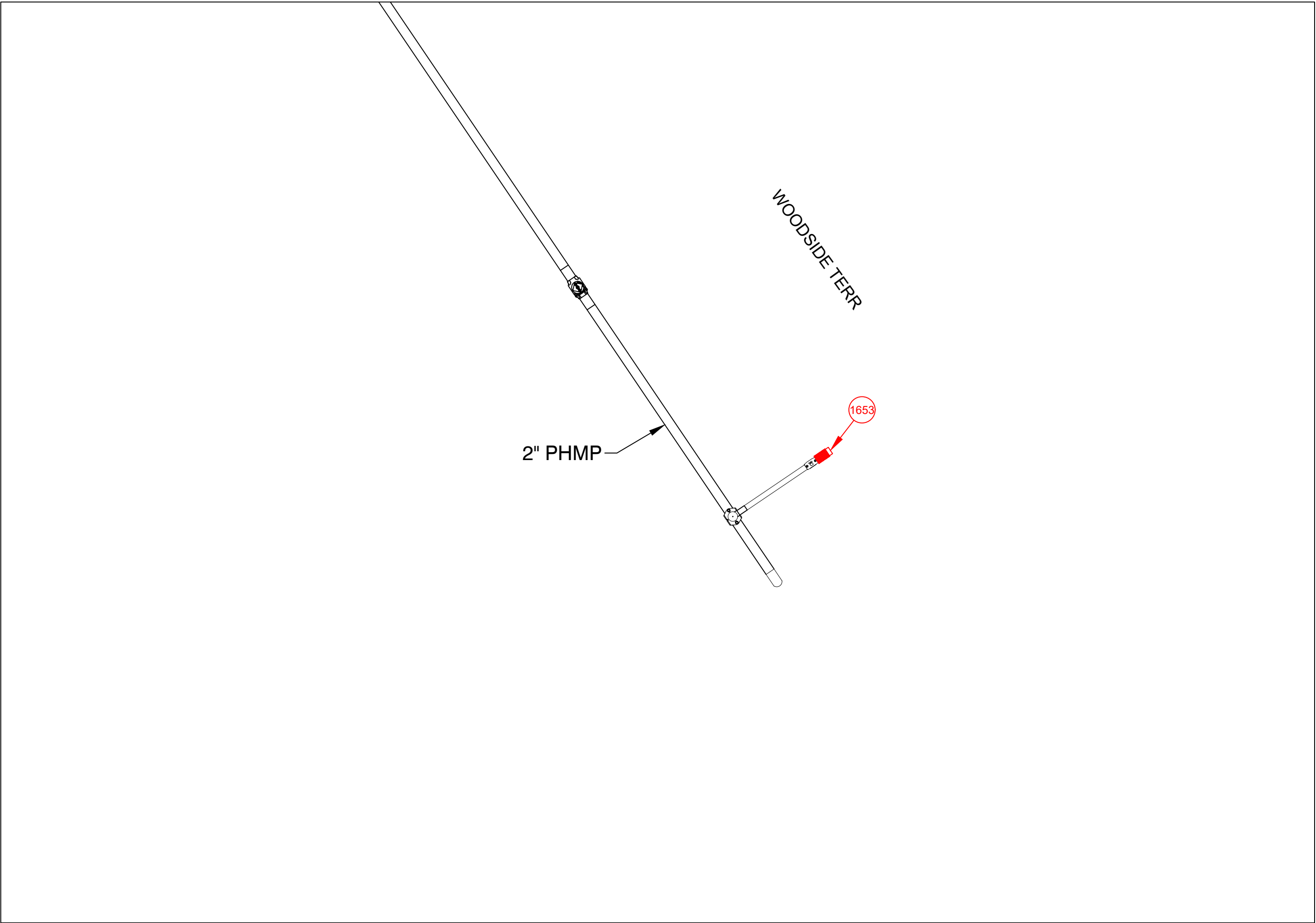


LOCUST ST - GSEP, SPRINGFIELD				DETAIL "F" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	MRC Stock Number	Maximo Part Number	Description	Quantity	Units
14	63054027	503984	COUPLING, 1 IN IPS, ELECTROFUSION, HDPE, BLACK, ASTM F1055, GFCP	1	EA
1639	CENTPLCO	604753	TEE,PIPE, NON-BLOWING, 2 X 1 IN IPS SDR 11, POLYETHYLENE, PE3408, ELECTROFUSION X 18 IN LONG PLAIN END PUP PIECE	1	EA
33	14281726	562087	VALVE,BALL, 2 IN IPS SDR 11, BUTT FUSION ENDS, FULL PORT, HDPE, PE-4710	1	EA
8	63078024	542572	CAP,PIPE, 2 IN IPS SDR 11, BUTT FUSION END, HDPE, P-4710	1	EA



PREPARATORY TIE-IN DETAIL F
NOT TO SCALE

LOCUST ST - GSEP, SPRINGFIELD				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



FINAL TIE-IN DETAIL F
NOT TO SCALE

ISSUED FOR
CONSTRUCTION



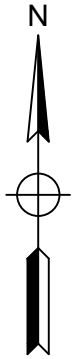
FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

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No.	Description	Date	Dw/Ck
Revision/Status			
EVERSOURCE ENERGY			
LOCUST ST - GSEP, SPRINGFIELD, MA			
PROJECT # 26EG018 / WORK ORDER # 20772733			
PREPARATORY AND FINAL TIE-IN DETAILS			
SCALE:1"=20' ON 22"X34"		SHEET 13 OF 20	
Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
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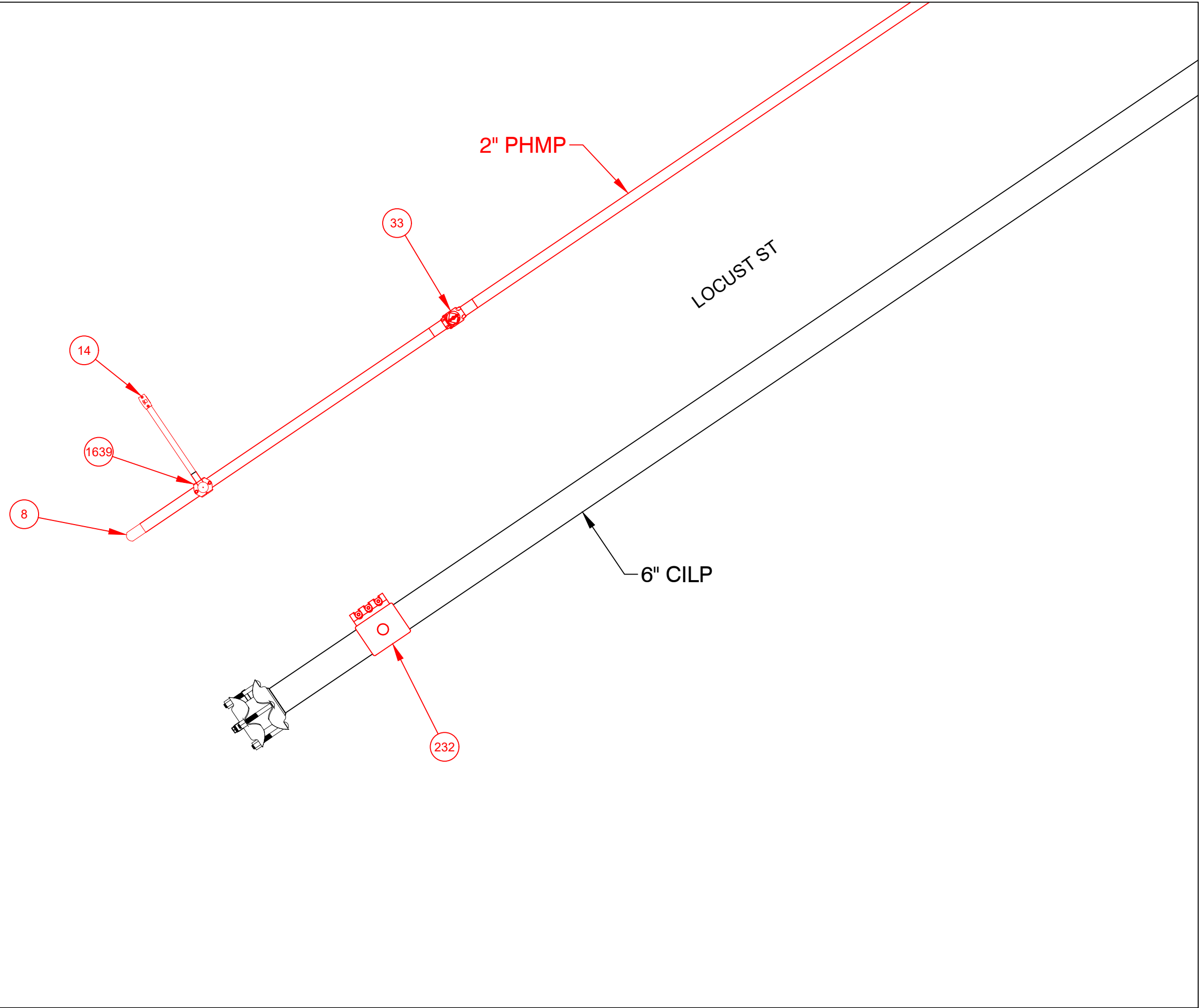
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EGMA DRAWING TEMPLATE - 02-28-2023

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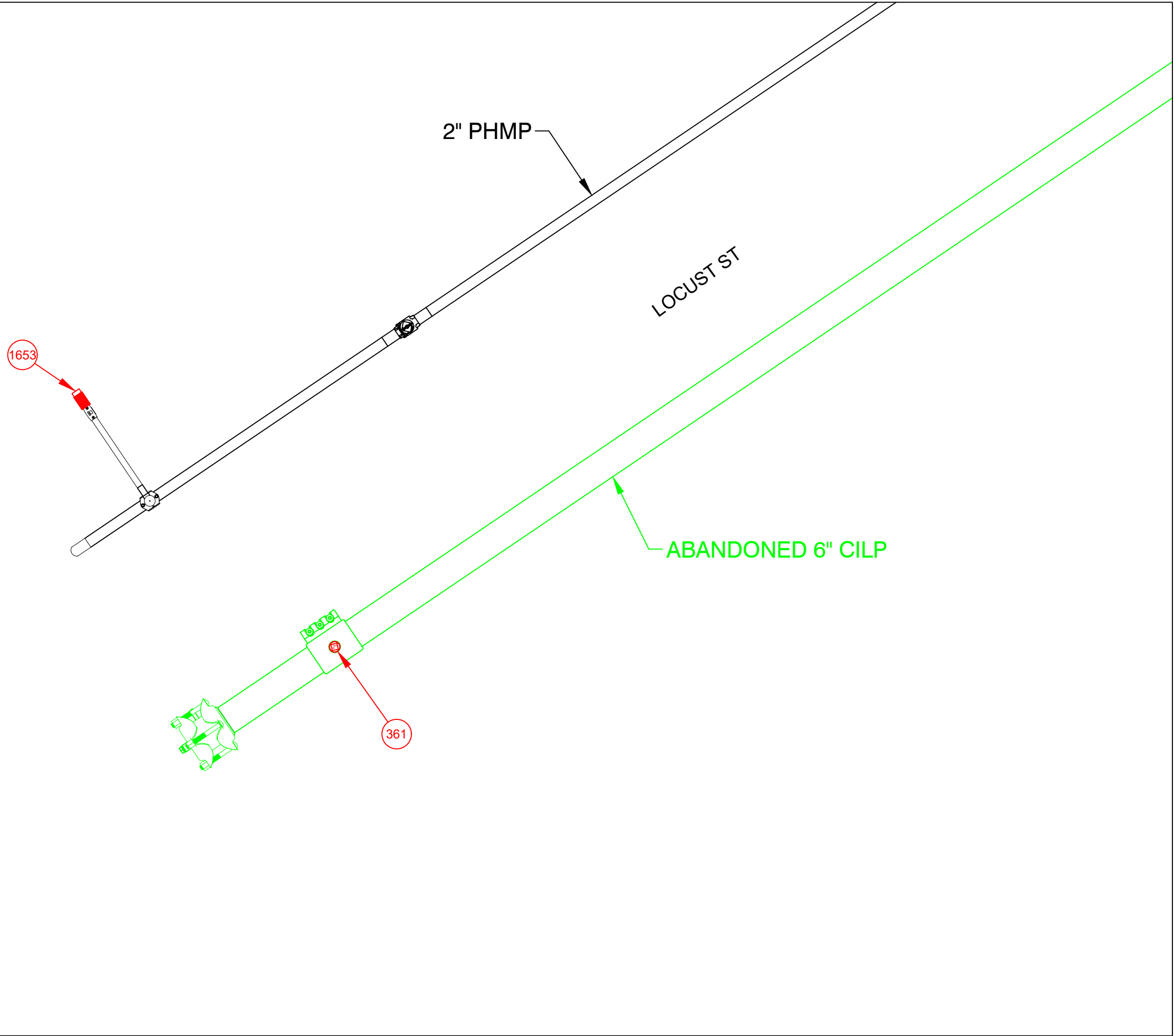


LOCUST ST - GSEP, SPRINGFIELD			DETAIL "G" PREPARATORY		
REQUIRED BILL OF MATERIALS					
Item Number	MRC Stock Number	Maximo Part Number	Description	Quantity	Units
14	63054027	503984	COUPLING, 1 IN IPS, ELECTROFUSION, HDPE, BLACK, ASTM F1055, GFCP	1	EA
1639	CENTPLCO	604753	TEE, PIPE, NON-BLOWING, 2 X 1 IN IPS SDR 11, POLYETHYLENE, PE3408, ELECTROFUSION X 18 IN LONG PLAIN END PUP PIECE	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
33	14281726	562087	VALVE, BALL, 2 IN IPS SDR 11, BUTT FUSION ENDS, FULL PORT, HDPE, PE-4710	1	EA
8	63078024	542572	CAP, PIPE, 2 IN IPS SDR 11, BUTT FUSION END, HDPE, P-4710	1	EA



PREPARATORY TIE-IN DETAIL G
NOT TO SCALE

LOCUST ST - GSEP, SPRINGFIELD				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
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
CONSTRUCTION

EVERSOURCE
ENERGY

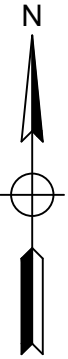
FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

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No.	Description	Date	Dw/Ck
Revision/Status			
EVERSOURCE ENERGY			
LOCUST ST - GSEP, SPRINGFIELD, MA			
PROJECT # 26EG018 / WORK ORDER # 20772733			
PREPARATORY AND FINAL TIE-IN DETAILS			
SCALE: 1"=20' ON 22"X34"		SHEET 14 OF 20	
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RTM 4/15/25	MJN 5/06/25	26-MA-SPR-00107-14	00

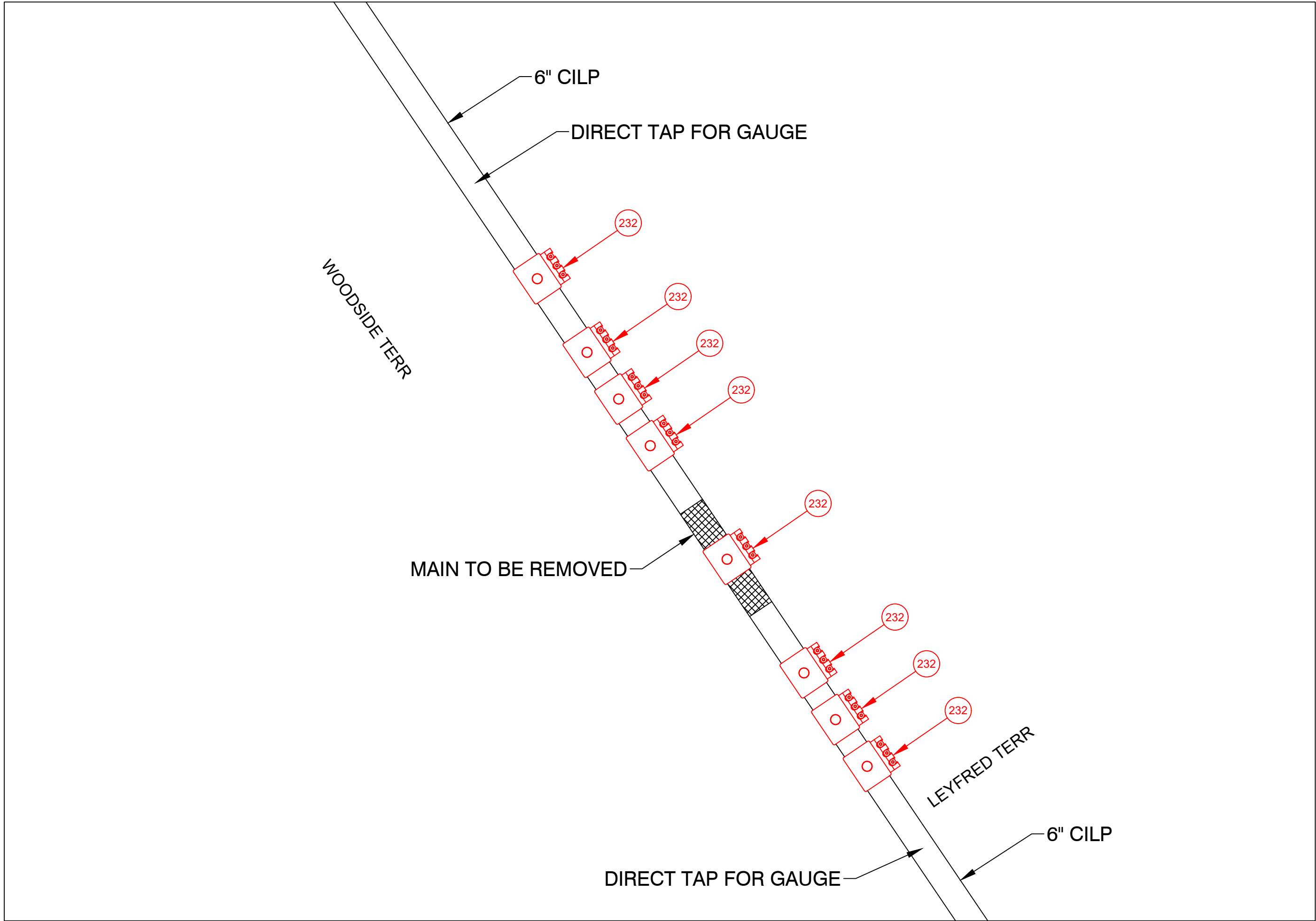
26-MA-SPR-00107 - Locust St - FPO Drawing - REV00.dwg

EGMA DRAWING TEMPLATE - 02-28-2023

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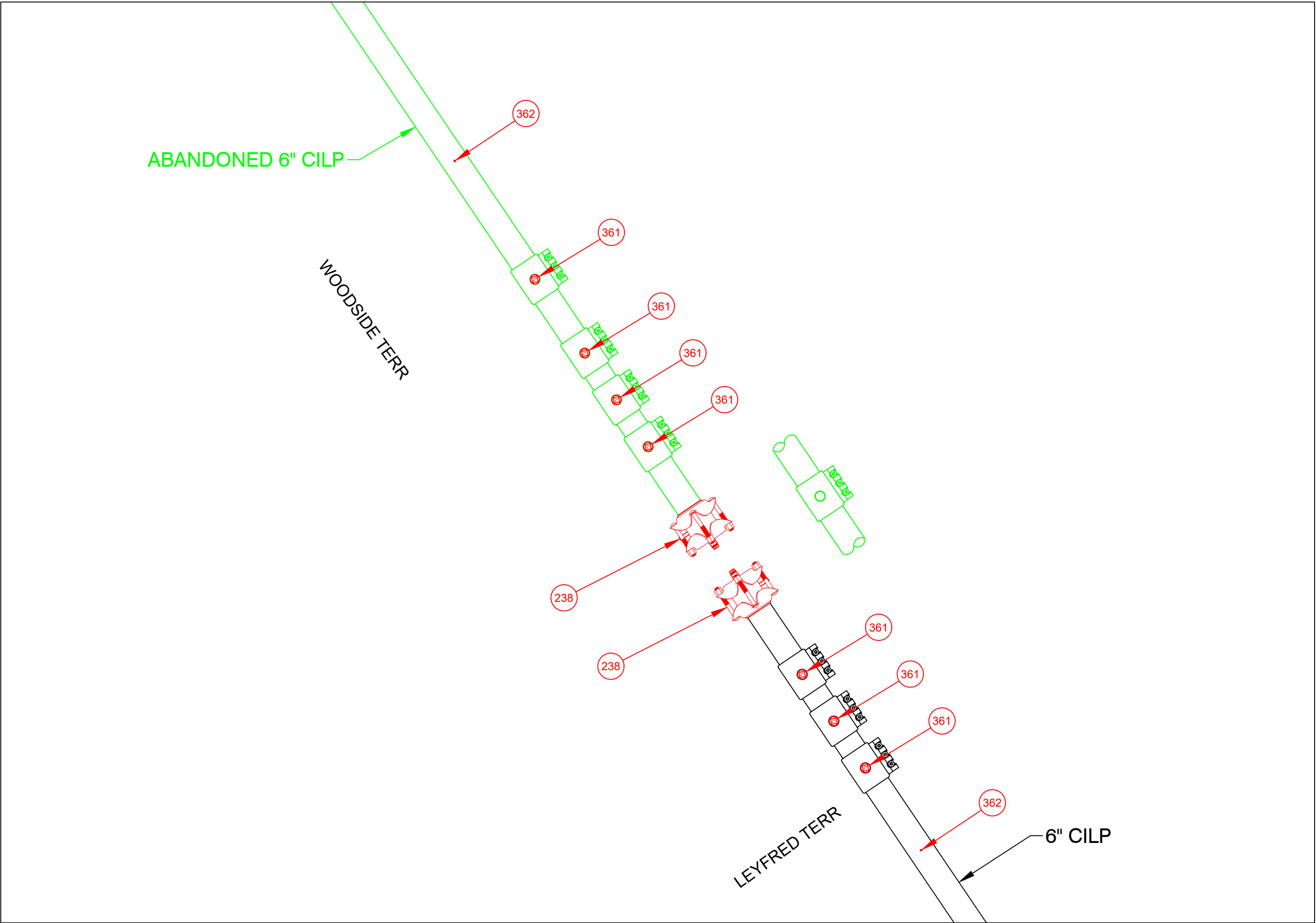


LOCUST ST - GSEP, SPRINGFIELD			DETAIL "H" PREPARATORY		
REQUIRED BILL OF MATERIALS					
Item Number	MRC Stock Number	Maximo Part Number	Description	Quantity	Units
232	63462159	578022	FITTING,CLAMP, SERVI-SEAL REPAIR, 6 IN DIA, 9 IN LG, W/ 2 IN OUTLET, FOR CAST IRON PIPE	8	EA



PREPARATORY TIE-IN DETAIL H
NOT TO SCALE

LOCUST ST - GSEP, SPRINGFIELD				DETAIL "H" 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
361	19080340	554878	PLUG,PIPE, SQUARE HEAD, SOLID, 2 IN, THREADED END, BLACK IRON, ANSI B1.20.1	8	EA
362	19080030	576212	FITTING,PLUG, SQUARE HEAD, SOLID, 1/4 IN, 300 STEEL, BLACK, 100/BOX	2	EA



FINAL TIE-IN DETAIL H
NOT TO SCALE

ISSUED FOR
CONSTRUCTION

EVERSOURCE
ENERGY

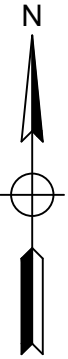
FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

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No.	Description	Date	Dw/Ck
Revision/Status			
EVERSOURCE ENERGY			
LOCUST ST - GSEP, SPRINGFIELD, MA			
PROJECT # 26EG018 / WORK ORDER # 20772733			
PREPARATORY AND FINAL TIE-IN DETAILS			
SCALE: 1"=20' ON 22"X34"		SHEET 15 OF 20	
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RTM 4/15/25	MJN 5/06/25	26-MA-SPR-00107-15	00

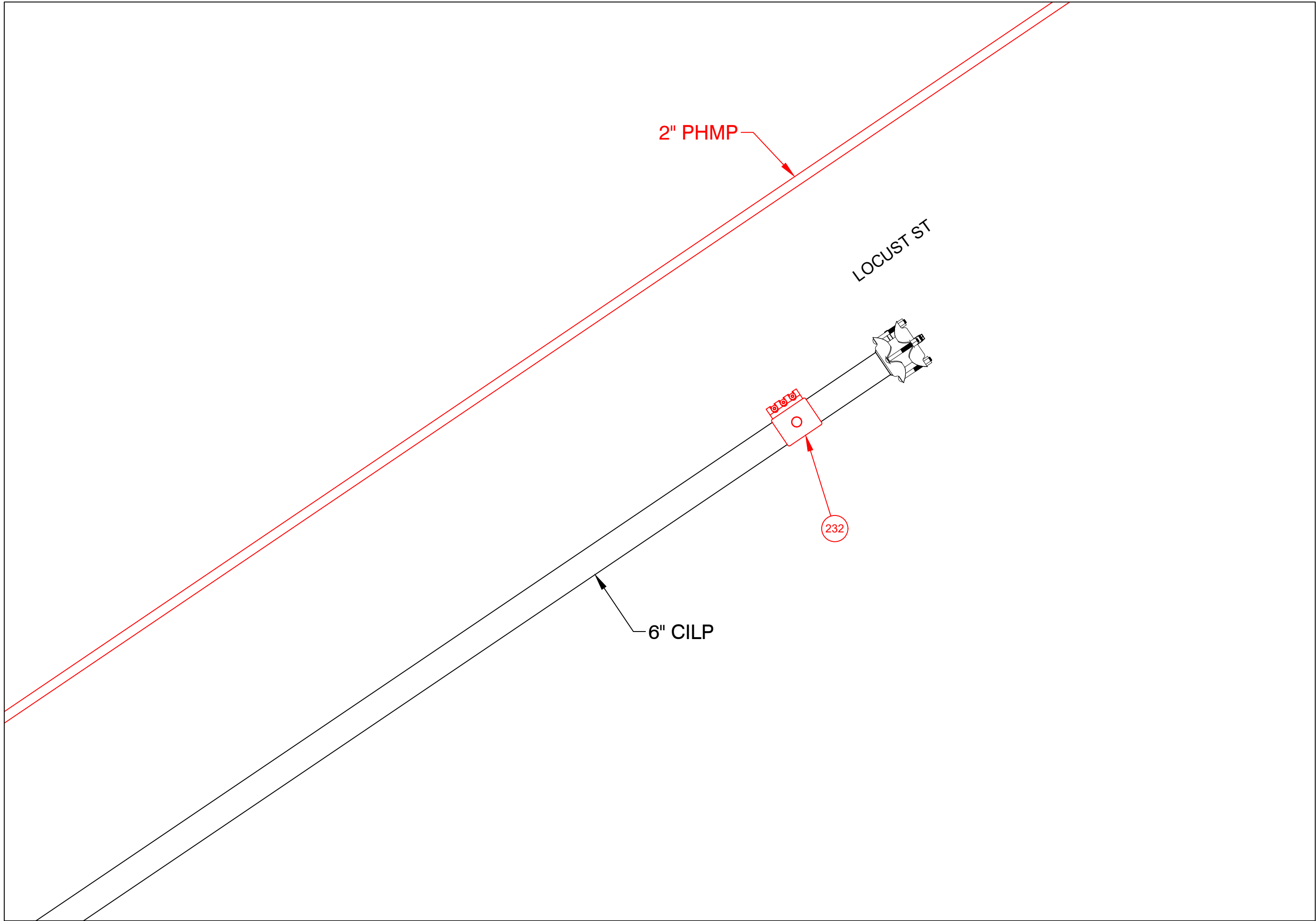
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EGMA DRAWING TEMPLATE - 02-28-2023

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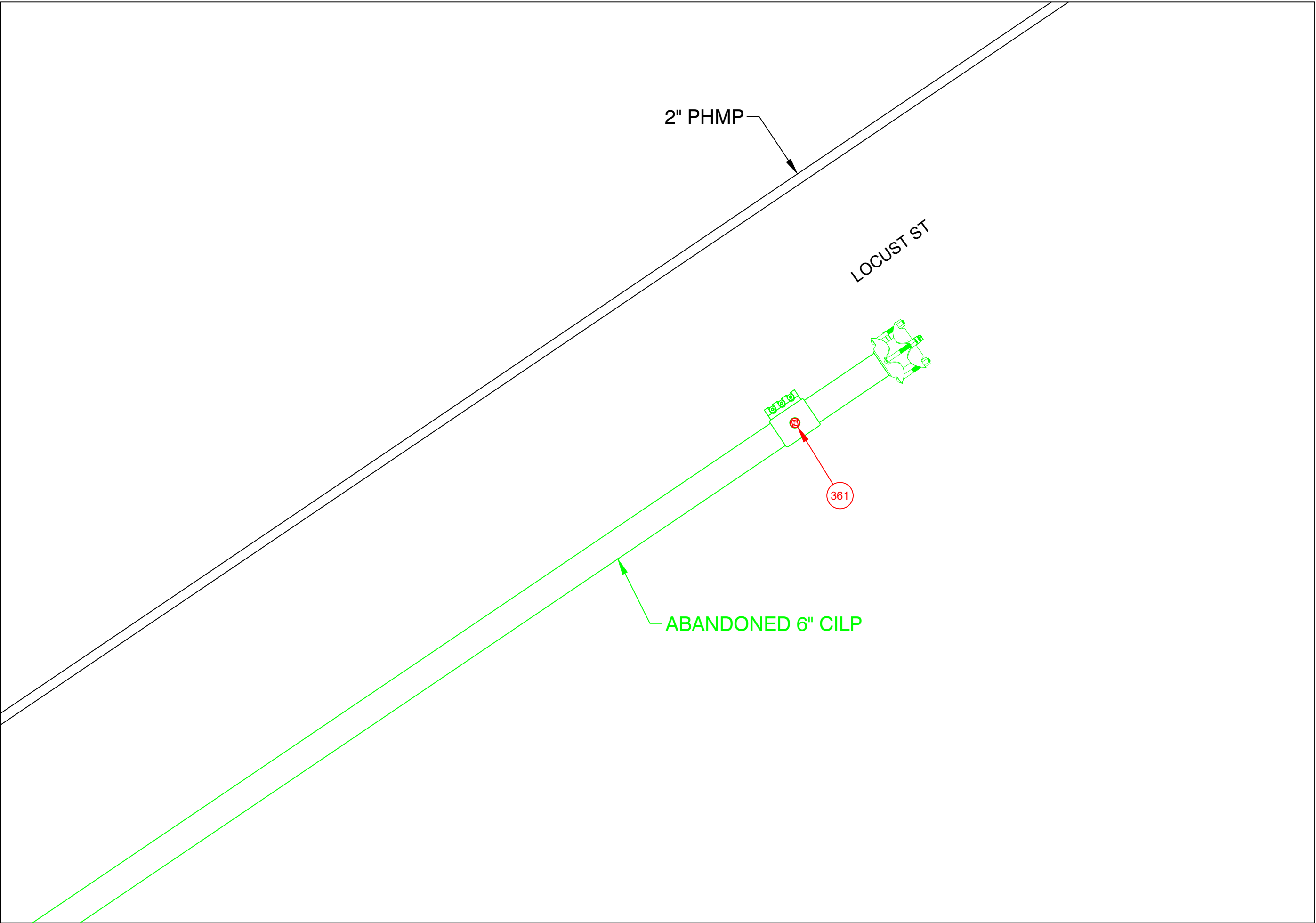


LOCUST ST - GSEP, SPRINGFIELD				DETAIL "I" PREPARATORY	
REQUIRED BILL OF MATERIALS					
Item Number	MRC Stock Number	Maximo Part Number	Description	Quantity	Units
232	63462159	578022	FITTING,CLAMP, SERVI-SEAL REPAIR, 6 IN DIA, 9 IN LG, W/ 2 IN OUTLET, FOR CAST IRON PIPE	1	EA



PREPARATORY TIE-IN DETAIL I
NOT TO SCALE

LOCUST ST - GSEP, SPRINGFIELD				DETAIL "I" 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



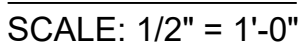
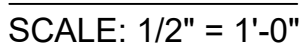
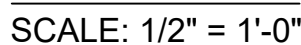
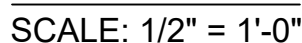
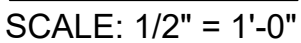
FINAL TIE-IN DETAIL I
NOT TO SCALE

ISSUED FOR
CONSTRUCTION

EVERSOURCE
ENERGY

FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

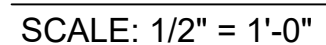
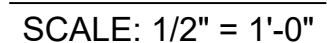
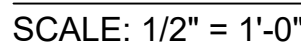
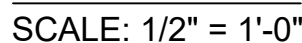
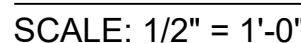
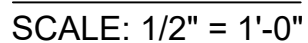
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No.	Description	Date	Dw/Ck
Revision/Status			
EVERSOURCE ENERGY			
LOCUST ST - GSEP, SPRINGFIELD, MA			
PROJECT # 26EG018 / WORK ORDER # 20772733			
PREPARATORY AND FINAL TIE-IN DETAILS			
SCALE:1"=20' ON 22"X34"		SHEET 16 OF 20	
Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
RTM 4/15/25	MJN 5/06/25	26-MA-SPR-00107-16	00

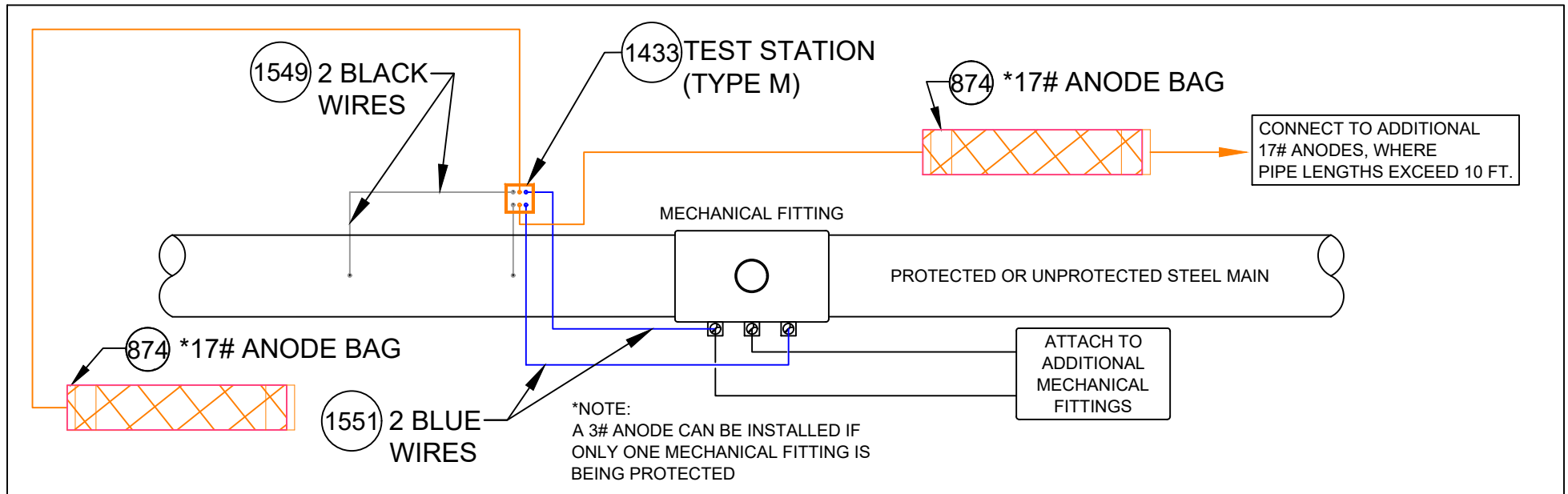


NOTES:

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.5 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.

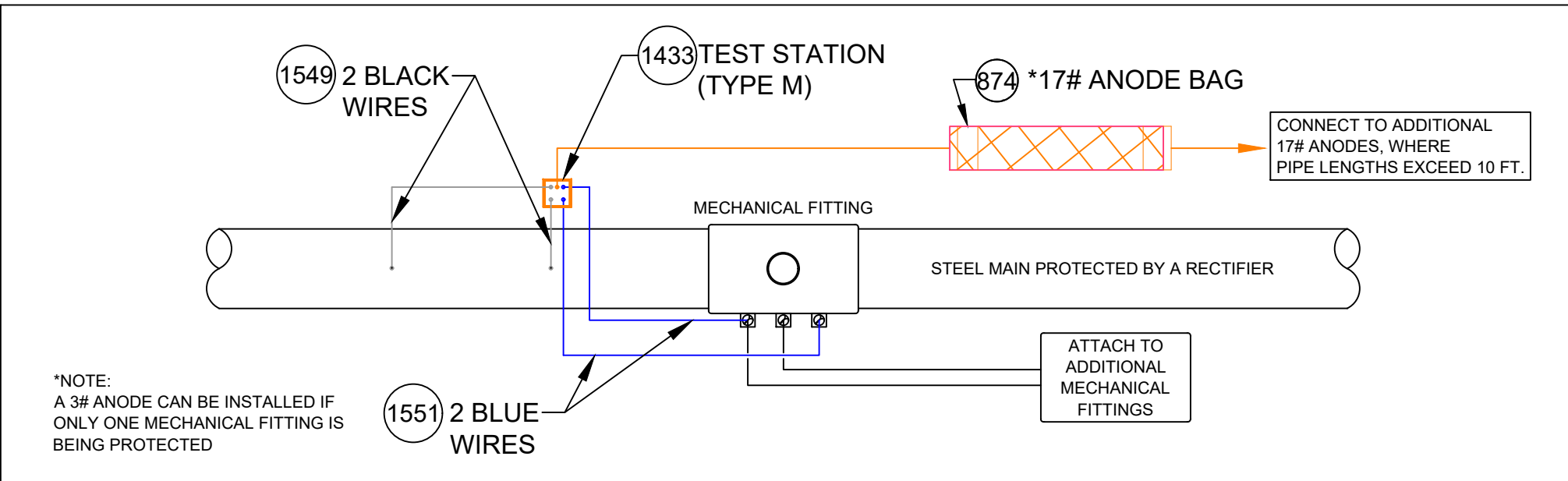
NOTE: DETAILS CP-9 AND CP-11 ARE FOR NEW STEEL FITTINGS THAT ARE NOT ELECTRICALLY ISOLATED FROM EXISTING UNPROTECTED STEEL. THESE ANODES ARE DIRECTLY CONNECTED TO THE NEW STEEL FITTING AND THE ANODE MUST BE A MINIMUM OF 2 FEET FROM ANY NEW ISOLATED FITTINGS OR ASSOCIATED ANODES.

Packet Pg. 38



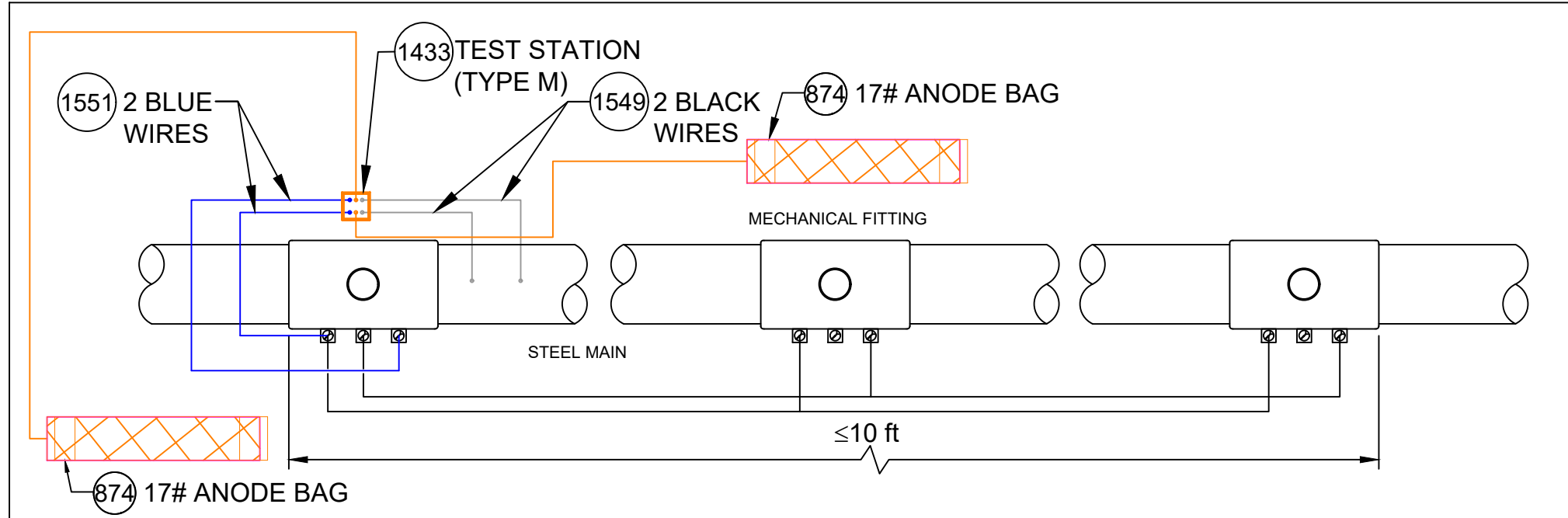
TEST STATION CONNECTION DETAILS FOR MECHANICAL FITTINGS
INSTALLED ON A STEEL MAIN

DETAIL CP12
SCALE: 1/2" = 1'-0"



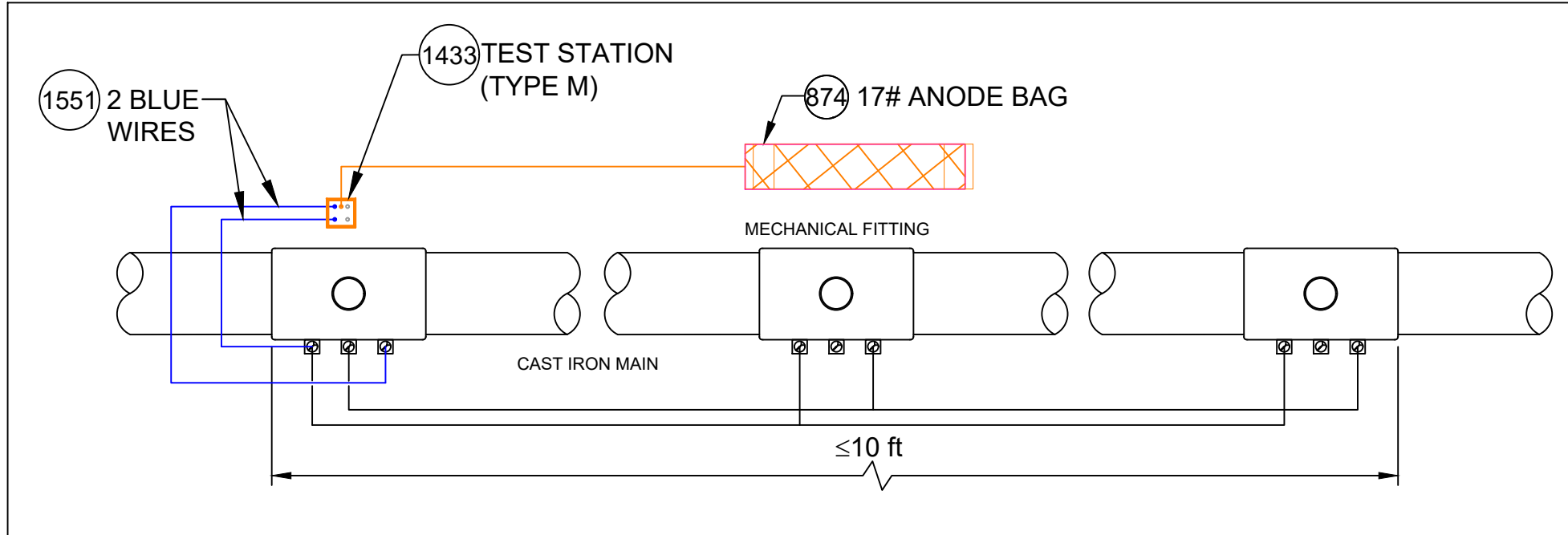
TEST STATION CONNECTION DETAILS FOR MECHANICAL FITTINGS
INSTALLED ON STEEL MAIN PROTECTED BY A RECTIFIER

DETAIL CP13
SCALE: 1/2" = 1'-0"



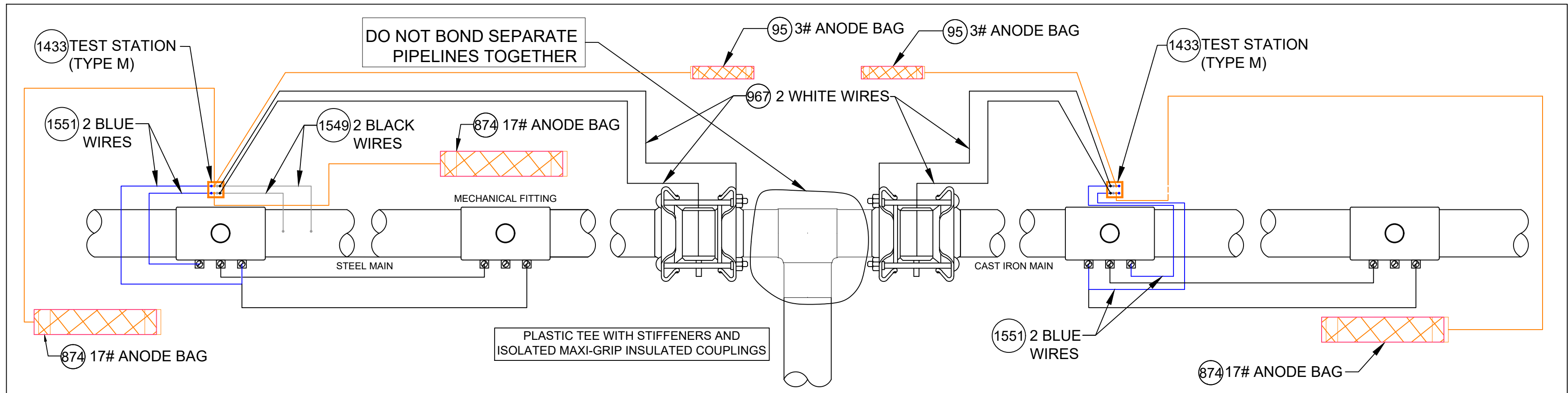
ANODE INSTALLATION FOR MULTIPLE MECHANICAL FITTINGS
INSTALLED ON A ELECTRICALLY CONTINUOUS SECTION OF STEEL MAIN

DETAIL CP14
SCALE: 1/2" = 1'-0"



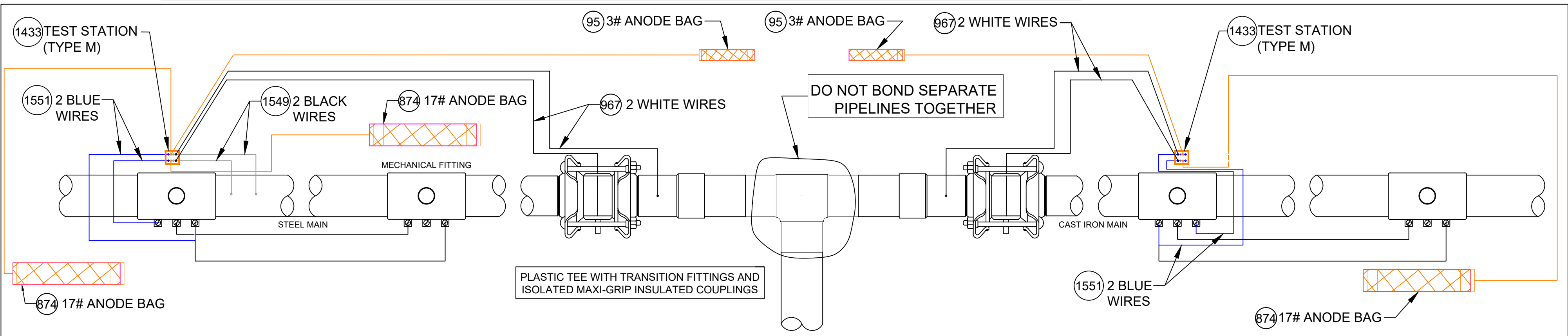
ANODE INSTALLATION FOR MULTIPLE MECHANICAL FITTINGS
INSTALLED ON A CAST IRON MAIN

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, OF 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

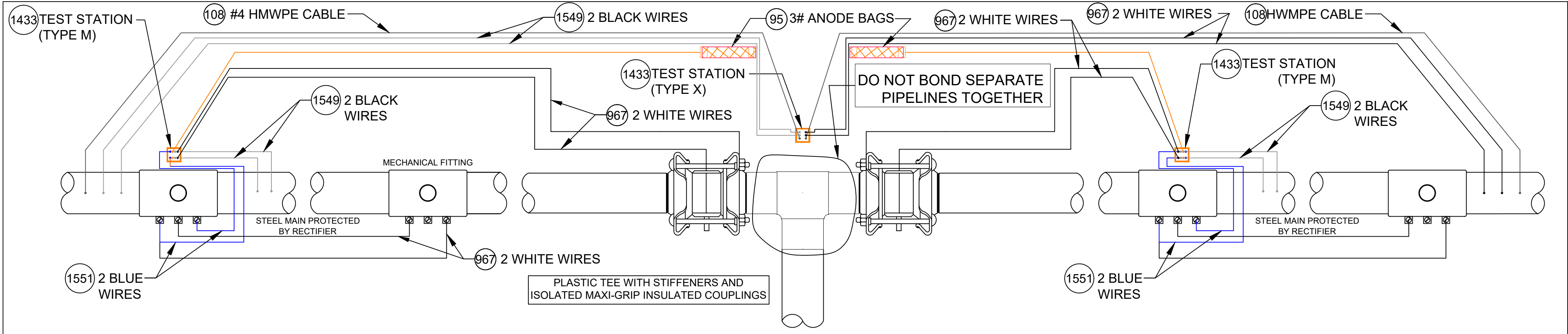
NOTES:

- 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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- 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.
- 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.
- 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.

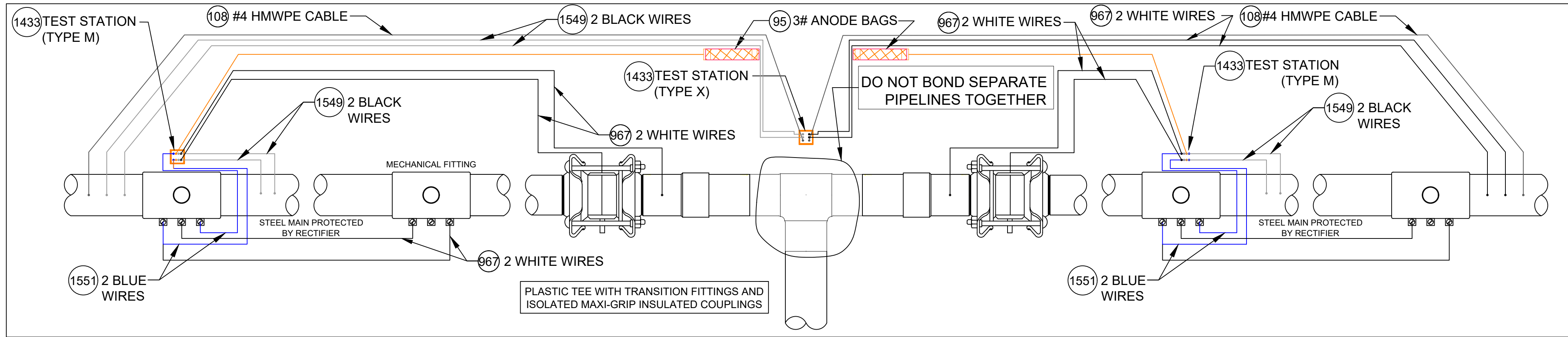
6	ADDED DETAIL CP18 FOR TYPE P TEST STATION	07/03/24	WBH/KJK/MJL
5	REVISED BOM ITEMS TO MATCH STANDARD BOM REV. 10	02/21/24	WBH/KJK/MJL
4	REVISED BOM ITEMS TO MATCH STANDARD BOM REV. 9	11/17/23	WBH/KJK/MJL
3	REVISED BOM ITEMS TO MATCH STANDARD BOM REV. 8	03/13/23	WBH/KJK/MJL
2	ADDED DETAILS CP10, 16A & 17A AND REVISED OTHER DETAILS	02/08/23	WBH/KJK/MJL
1	ADDED DETAILS CP12 & CP13, NOTES AND REVISED BOM	02/02/21	WBH/KJK/MJL
No.	Description	Date	Dw/Ck/Ap
Revision/Status			
EVERSOURCE ENERGY			
STANDARD CS-500 CORROSION DETAILS			
STREET ADDRESS, TOWN/CITY			
DETAILS, NOTES AND BILL OF MATERIALS			
SCALE: 1/2" = 1'-0"		SHEET 18 OF 20	
Drawn by / Date WBH 10/05/20		Checked by / Date KJK 10/19/20	
Approved by / Date MJL 10/19/20		Sheet Number 26-MA-SPR-00107-18	
		Rev. No. 6	

FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION



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

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

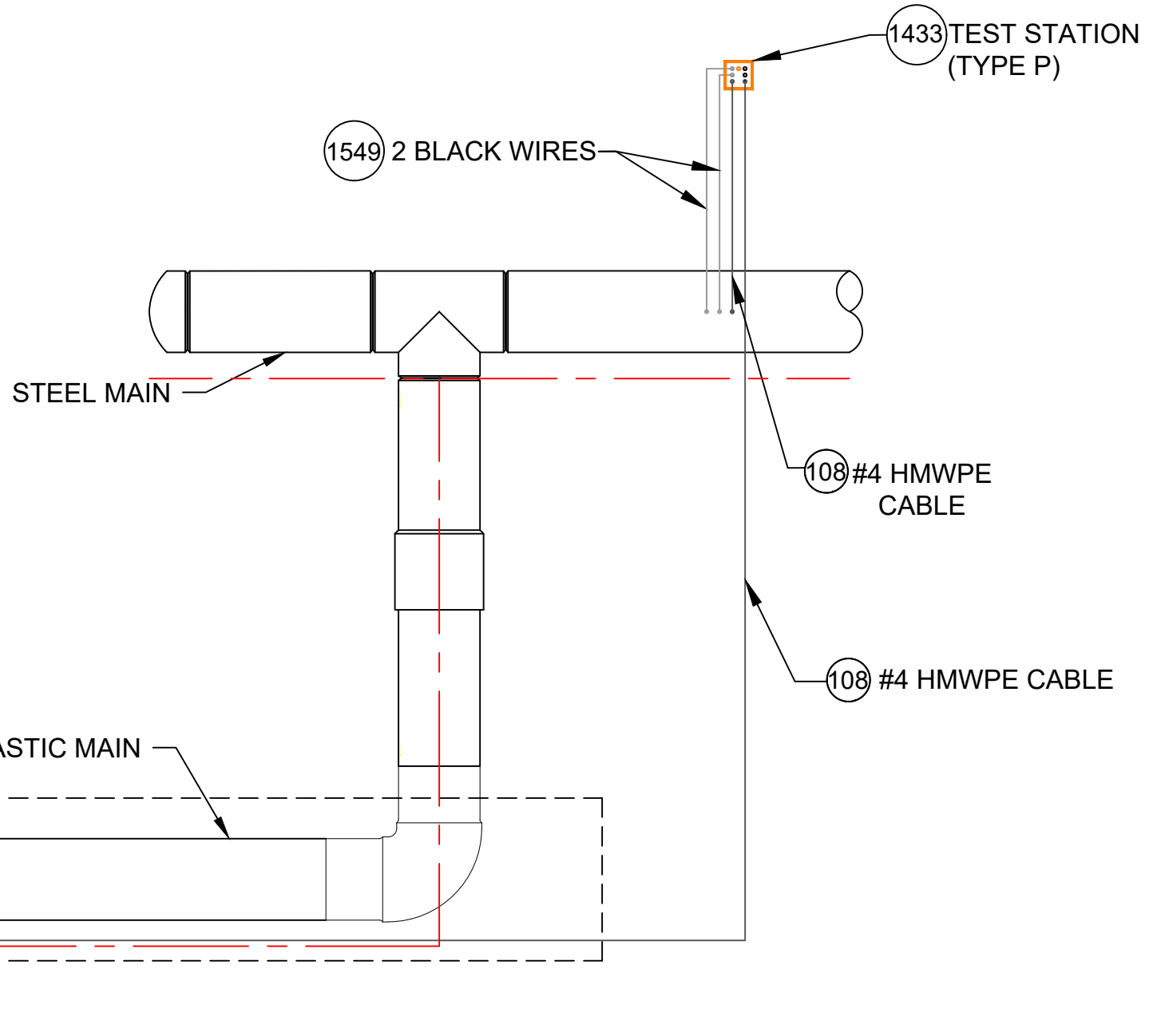


ANODE INSTALLATION FOR MULTIPLE MECHANICAL FITTINGS
INSTALLED ON NON-ELECTRICALLY CONTINUOUS SECTIONS OF COATED STEEL PIPING

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

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



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.

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, OF 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:

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- 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).
- 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).
- 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.
- 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.
- 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.
- 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.

6	ADDED DETAIL CP18 FOR TYPE P TEST STATION	07/03/24	WBH/KJK/MJL
5	REVISED BOM ITEMS TO MATCH STANDARD BOM REV. 10	02/21/24	WBH/KJK/MJL
4	REVISED BOM ITEMS TO MATCH STANDARD BOM REV. 9	11/17/23	WBH/KJK/MJL
3	REVISED BOM ITEMS TO MATCH STANDARD BOM REV. 8	03/13/23	WBH/KJK/MJL
2	ADDED DETAILS CP10, 16A & 17A AND REVISED OTHER DETAILS	02/08/23	WBH/KJK/MJL
1	ADDED DETAILS CP12 & CP13, NOTES AND REVISED BOM	02/02/21	WBH/KJK/MJL
No.	Description	Date	Dw/Ck/Ap
Revision/Status			
EVERSOURCE ENERGY			
STANDARD CS-500 CORROSION DETAILS			
STREET ADDRESS, TOWN/CITY			
DETAILS, NOTES AND BILL OF MATERIALS			
SCALE: 1/2" = 1'-0"		SHEET 19 OF 20	
Drawn by / Date WBH 10/05/20 Approved by / Date MJL 10/19/20		Checked by / Date KJK 10/19/20 Sheet Number 26-MA-SPR-00107-19 Rev. No. 6	

FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

26-MA-SPR-00107 - Locust St - FPO Drawing - REV00.dwg

\\nu.com\Data\SharedData\GasProject\Engineering\ECMA\Springfield\2020\Springfield_Locust St - GSEP - 26EG018\Drawings\

ISSUED FOR
CONSTRUCTION



FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

0	DRAWING CREATED	4/15/25	RTM
No.	Description	Date	Dw/Ck
Revision/Status			
EVERSOURCE ENERGY			
LOCUST ST - GSEP, SPRINGFIELD, MA			
PROJECT # 26EG018 / WORK ORDER # 20772733			
PLAN			
SCALE: NTS		SHEET 20 OF 20	
Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
RTM 4/15/25	MJN 5/06/25	26-MA-SPR-00107-20	00

CITY OF SPRINGFIELD, MASSACHUSETTS

May 29, 2025

+

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 May 8, 2025, to install underground gas facilities on Locust Street, Darwell Street, and Woodside Terr. to upgrade to medium-pressure and retire low-pressure cast iron gas infrastructure. Starting with two (2") inches of pipe from Dickinson Street, running westerly direction one thousand three hundred twenty (1320') feet on Locust Street, and continuing on Woodside Terr. from Locust Street to Leyfred Terr. approximately two hundred twenty-five (225') feet with two (2") inches of pipe and from Locust Street continue on Darwell Street two hundred and ninety (290') feet to Leyfred Terr., Locust Street plan 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 May 29, 2025, at 3:30 P.M. at the corner of Locust Street and Darwell 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.

Attachment: Report City Council Locust Street (8747 : EVERSOURCE GAS- Locust Street)

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 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.

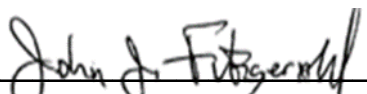
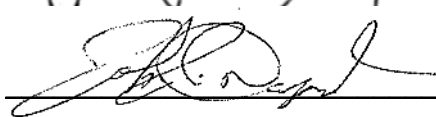
Ramps for the handicapped will be provided if and where required by law and in conformance with the Rules and Regulations of the Massachusetts Architectural Barrier Board.

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.

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



City Council

SCHEDULED

Meeting: 06/23/25 06:00 PM
Initiator: Christopher Fraser
Sponsors: Mayor Domenic J. Sarno
DOC ID: 8749

3

Budget Transfer Across Departments - \$130,000 (Mayor Sarno)

WHEREAS, to meet the expenses of the City of Springfield for the fiscal year commencing July 1, 2024 and ending June 30, 2025 (FY'25), pursuant to Mass. Gen. Laws ch. 44, Section 33B, 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 \$130,000.00 from multiple accounts to the Emergency Communications (Dispatch) Department's Personal Services budget in order to fund necessary expenses through the end of the fiscal year; and

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 \$130,000.00 from multiple accounts to the Emergency Communications (Dispatch) Department's Personal Services budget in order to meet the expenses of the City of Springfield for Fiscal Year 2025.

From: 01211210-501000- **\$130,000.00**

To: 01250501-501000 **\$43,500.00**
 01250501-505000 **\$25,000.00**
 01250501-509000 **\$61,500.00**

FINANCIAL IMPACT:

Budget Transfer Across Departments - \$130,000

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: June 23, 2025
Re: Order for Council Meeting – June 23, 2025
Cc: Mayor Sarno

Purpose: The purpose of this memo is to provide an explanation of the order sponsored by the Mayor for the June 23, 2025 City Council meeting, which requests a transfer of \$130,000.00 to the Dispatch Department.

Background: This transfer will be utilized to clear up various deficits within Personal Services, which are due to unbudgeted expenses from the UPSEU union settlement, along with a reorganization of non-bargaining staff. The accounts associated with this transfer are outlined below.

Department	Account#	Account Description	Transfer Out	Transfer In
Police	01211210-501000	Salaries & Wages	\$ 130,000.00	
Emergency Communications	01250501-501000	Salaries - UPSEU Contract		\$ 43,500.00
Emergency Communications	01250501-505000	Holiday (UPSEU Increases)		\$ 25,000.00
Emergency Communications	01250501-509000	UPSEU 1x Signing Bonus		\$ 61,500.00
TOTAL			\$ 130,000.00	\$ 130,000.00

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 - Transfer to Emergency Communications (Dispatch) (8749 : Budget Transfer Across Departments - \$130,000)



City Council

SCHEDULED

Meeting: 06/23/25 06:00 PM
Initiator: John Collins
Sponsors: Mayor Domenic J. Sarno
DOC ID: 8759

4

Budget Transfer Across Departments - \$75,000 (Mayor Sarno)

WHEREAS, to meet the expenses of the City of Springfield for the fiscal year commencing July 1, 2024 and ending June 30, 2025 (FY'25), pursuant to Mass. Gen. Laws ch. 44 , Section 33B, 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 \$75,000.00 from multiple accounts to the Comptroller's Professional Services line item in order to fund necessary expenses through the end of the fiscal year; and

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 \$75,000.00 from multiple accounts to the Comptroller's Professional Services line item in order to meet the expenses of the City of Springfield for Fiscal Year 2025.

From: 01135-578200- **\$54,000.00**

01129-530105- **\$21,000.00**

To: 01801350-530105 **\$75,000.00**

FINANCIAL IMPACT:

Budget Transfer Across Departments - \$75,000

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: June 23, 2025
Re: Order for Council Meeting – June 23, 2025
Cc: Mayor Sarno

Purpose: The purpose of this memo is to provide an explanation of the order sponsored by the Mayor for the June 23, 2025 City Council meeting, which requests a transfer of \$75,000 to Comptroller – Professional Services.

Background: This transfer will be utilized to clear up the deficit relating to excess revenue in Municipal Medicaid. 2.5% is reimbursed to the School Department through Professional Services. The accounts associated with this transfer are outlined below.

Department	Account#	Account Description	Transfer Out	Transfer In
Comptroller	01135-578200	Reserve For Contingency	\$ 54,000.00	
OMB	01129-530105	Professional Services	\$ 21,000.00	
Assessments	01801350-530105	Professional Services		\$ 75,000.00
TOTAL			\$ 75,000.00	\$ 75,000.00

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 - Transfer to Professional Services (8759 : Budget Transfer Across Departments - \$75,000)



City Council
36 Court Street
Springfield, MA 01103

SCHEDULED

ORDINANCE (ID # 8737)

Meeting: 06/23/25 06:00 PM
Department: Law
Category: Local Law
Prepared By: Thomas Moore
Initiator: Thomas Moore
Sponsors: Mayor Domenic J. Sarno
DOC ID: 8737

Amending Chapter 275, of the Revised Ordinances of the City of Springfield, 1986, as Amended, by Adding a New Article Iv Thereto Titled: Prohibiting the Manufacture, Sale, and Disposition of Synthetically Derived Cannabinoids and Synthetically Derived Cannabinoid Products

AMENDING CHAPTER 275, OF THE REVISED ORDINANCES OF THE CITY OF SPRINGFIELD, 1986, AS AMENDED, BY ADDING A NEW ARTICLE IV THERETO TITLED: PROHIBITING THE MANUFACTURE, SALE, AND DISPOSITION OF SYNTHETICALLY DERIVED CANNABINOIDS AND SYNTHETICALLY DERIVED CANNABINOID PRODUCTS

Chapter 275, of the Revised Ordinances of the City of Springfield, 1986, as amended, is hereby further amended by adding the following new Article IV thereto:

Article IV

PROHIBITING THE MANUFACTURE, SALE, AND DISTRIBUTION OF SYNTHETICALLY DERIVED CANNABINOIDS AND SYNTHETICALLY DERIVED CANNABINOID PRODUCTS

§ 275-12 Purpose and Preamble

WHEREAS, adult use marijuana is legal in the Commonwealth of Massachusetts and legal adult use marijuana products are comprehensively regulated by the Cannabis Control Commission; and

WHEREAS, tetrahydrocannabinol ("THC") is the chemical responsible for most of marijuana's psychological effects; and

WHEREAS, legal, adult-use marijuana can be distinguished from hemp because it contains more than 0.3 percent delta-9 THC concentration and hemp does not; and

WHEREAS, while the amount of delta-9 THC found naturally in legal adult use marijuana is sufficient to create psychological effects, hemp does not contain enough of a concentration of delta-9 THC to have any psychological effects; and

WHEREAS, other forms of THC such as delta-8 and delta-10 are isomers of delta-9 and are only naturally found in hemp in very small, trace amounts, which produce no psychoactive effect; and

WHEREAS, delta-8 and delta 10 THC can be synthetically derived from hemp within a laboratory, causing a significant increase in the concentration of psychoactive THC; and

WHEREAS, delta-8, delta-10 and similar synthetically derived cannabinoids are psychoactive and can result in serious negative side-effects and health impacts for people who use products containing them; and

WHEREAS, in Massachusetts, products containing delta-8, delta-10, and other synthetically derived cannabinoids are illegal according to the Massachusetts Department of Agriculture Resources and the Massachusetts General Laws; and

WHEREAS, although illegal, Synthetically Derived Cannabinoid Products are not currently regulated by any agencies or departments of the Federal Government or the Commonwealth of Massachusetts; and

WHEREAS, there are no lab testing standards or safety requirements in place for the manufacture, sale and distribution of Synthetically Derived Cannabinoid Products; and

WHEREAS, Synthetically Derived Cannabinoid Products have been found to contain harmful chemicals, pesticides, mold, solvents, bacteria, additives, and heavy metals including lead and mercury; and

WHEREAS, many Synthetically Derived Cannabinoid Products are specifically marketed towards young adults and children and are easily available for purchase without any age or amount restrictions in gas stations, retail shops, bodegas, and various other businesses throughout the City of Springfield; and

NOW THEREFORE, the purpose of this Ordinance is to protect the health, welfare and safety of the public in the City of Springfield by prohibiting the manufacturing, sale, and distribution of Synthetically Derived Cannabinoids and Synthetically Derived Cannabinoid Products, authorizing the seizure and destruction of any Synthetically Derived Cannabinoid

Products and issuance of noncriminal civil disposition fines for prohibited actions.

§ 275-13 Definitions

The following definitions are applicable to the entire contents of this Ordinance (Chapter 275 Article IV):

"Synthetically Derived Cannabinoid" - Any cannabinoid that is altered to change the molecular structure or concentration of a natural cannabinoid derived from the plant Cannabis. Synthetically Derived Cannabinoids shall include but are not limited to isomers of delta-9 THC, such as delta-8 and delta-10.

"Synthetically Derived Cannabinoid Products" - Any product that contains Synthetically Derived Cannabinoids, including but not limited to delta-8 and delta-10.

"High THC Raw Hemp" - Raw Hemp that has been manipulated to artificially increase the levels of psychoactive THC cannabinoids in order to create psychological effects similar to legal adult use marijuana.

§ 275-14 Application

- (i) No person, business entity or corporate entity shall be allowed within the City of Springfield to manufacture, sell or distribute a.) Synthetically Derived Cannabinoids, b.) Synthetically Derived Cannabinoid Products, c.) High THC Raw Hemp, d.) any products claiming to contain any Synthetically Derived Cannabinoids, or e.) any food products that fail to disclose the active ingredients on the package, fail to include a cannabinoid profile on the package where cannabinoids are present, or fail to contain the required information panel set forth in 21 CFR 101.2, specifically including, but not limited to, products that can be smoked, sprayed, topically applied, or ingested.
- (ii) In furtherance of 105 CMR 590, no person, business entity or corporate entity shall be allowed to

manufacture, sell or distribute any food products containing or claiming to contain THC or any products containing or claiming to contain THC that do not state "less than 0.3% THC" on the packaging within the City of Springfield unless said products are approved through appropriate licensure from the Massachusetts Cannabis Control Commission, as authorized under the Massachusetts General Laws.

- (iii) In furtherance of 105 CMR 665.005, no person, business entity or corporate entity shall be allowed to manufacture, sell or distribute flavored vaping or smoking products containing or claiming to contain Synthetically Derived Cannabinoids within the City of Springfield.
- (iv) In furtherance of M.G.L. c. 128 § 117(c), no person, business entity or corporate entity shall be allowed to manufacture, sell or distribute any Synthetically Derived Cannabinoid Product or High THC Raw Hemp making therapeutic and/or medicinal claims on the label, unless approved by the Federal Food and Drug Administration and no person, business entity or corporate entity shall be allowed to manufacture, sell or distribute unprocessed, processed, or Raw Hemp meant for end use by a consumer unless approved through appropriate licensure by the Cannabis Control Commission.
- (v) No owner of real property located within the City of Springfield who rents said property to a tenant for commercial purposes shall knowingly allow use of said property in violation of §275-14 (i)-(iv).
- (vi) Each incident of the manufacturing, sale or distribution of a Synthetically Derived Cannabinoid, a Synthetically Derived Cannabinoid Product, High THC Raw Hemp, a food product containing THC without the appropriate license from the Massachusetts Cannabis Control Commission, or a product in violation of §275-14 (i) through (iv) within the City of Springfield shall constitute a separate offense under this Chapter, and shall each be subject to the penalty and enforcement provisions of § 275-15. A violation of this Ordinance for the sale or distribution of a product

containing more than one unit within a single package shall be treated as one offense per incident.

§ 275-15 Penalties and Enforcement.

- (i) The penalty for a violation of this Ordinance (Chapter 275 Article IV) shall be three hundred dollars (\$300) for each offense, and shall also include confiscation of all involved products by the City of Springfield through its Health and Human Services Department and/or its Police Department.
- (ii) Penalties for violations of this Ordinance (Chapter 275 Article IV) may be lawfully enforced through any and all appropriate means under the law or in equity including but not limited to non-criminal disposition pursuant to M.G.L. c. 40, § 21D, by the City of Springfield's Commissioner of Public Health and his/her designated agents, and by the Springfield police Superintendent and his/her agents or any police officer. Appeals for violations of this Ordinance (Chapter 275 Article IV) may be undertaken in accordance with M.G.L. c. 40 § 21D.
- (iii) Penalties for violation of this Ordinance (Chapter 275 Article IV) shall be eligible for conversion to municipal charges liens as a general ordinance of the City under Chapter 42 Article IV § 42-16 through §42-21, and in accordance with M.G.L. c. 40 § 58.
- (iv) The Collector of the City shall include unpaid, outstanding charges for violations of this Ordinance (Chapter 275 Article IV) as part of any lists submitted to City Departments, Boards and Commissions under City Ordinance Chapter 229 § 229-2.
- (v) Enforcement by injunction. Where a person, business entity or corporate entity commits more than three (3) offenses under this Ordinance (Chapter 275 Article IV) in any calendar year, the City may, in addition to any other remedy provided herein or in place thereof, seek an immediate injunction to prevent the continued violation of this Ordinance (Chapter 275 Article IV)

through an appropriate proceeding instituted in a court of competent jurisdiction.

§ 275-16 Severability.

In the event that any section, subsection or clause of this Ordinance (Chapter 275 Article IV) is found to be unconstitutional, or otherwise unlawful by order a court of competent jurisdiction in the Commonwealth of Massachusetts, the validity of the remaining sections, subsections and clauses shall not be impacted or invalidated and shall continue in full force and effect.

In the event that the General Court of the Commonwealth of Massachusetts enacts comprehensive legislation on this subject matter subsequent to the enactment of this Ordinance, then this Ordinance shall be interpreted as working in harmony with the Massachusetts General Laws. Any provisions of this Ordinance that are deemed in sharp conflict with any Massachusetts General Law shall be rendered moot and shall be removed via amendment to this Ordinance.

Approved as to form

Associate City Solicitor

HISTORY:

06/09/25 **City Council**

FIRST STEP

06/16/25 **City Council**

MEETING CANCELLED

Next: 06/23/25