Hillside Ter at Longmeadow St
Project Description

EVERSOURCE ENERGY

To: Select Board, Town of Longmeadow

From: Richard Salvarezza, Project Engineer
Subject: Hillside Ter. At Longmeadow St. Project Description
Date: 04/21/2021

Project Description

The project consists of making alterations to the components within the existing buried vault, installing protection to critical components buried adjacent to the station, and installing an above ground cabinet to provide SCADA (Supervisory Control and Data Acquisition) capabilities. These improvements will enhance operational safety of this facility and of Eversource's gas distribution system in Longmeadow.

Construction duration is expected to last no more than 4 days.

Construction Details

This project includes the following work activities:

- Excavation, shoring, hauling and moving pipe
- Separation of asphalt, concrete, rock and debris from excavated materials
- Disposal of asphalt
- Removal and transportation of excess soils from the work site
- Dust control
- Installation, maintenance and removal of erosion control barriers and silt fence as required in construction areas
- Installation of all steel pipe, fittings, tees, valves, insulators
- Welding pipe, fittings, valves, transitions and elbows
- Pipe coating of welds and fittings
- Pressure testing of the pipeline
- Purging the new main into service
- Backfill of trenches
- Restoration and cleanup of construction site and staging areas
- Loom and seeding

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Project Description

EVERSOURCE ENERGY

Equipment Details

Eversource will hire a contractor to complete this project. The contractor will use the equipment shown below. Additional crews may work concurrently and the listed equipment and machinery may be used for only a portion of the project.

- Flatbed Truck – used for transport of equipment or materials to and from the work site
- Lowboy - used for transport of equipment to and from the work site
- Air Compressor Trailer – used to support construction tooling and equipment
- Backhoe – used for excavation of the trench
- Dump Truck – used to transport spoil or fill
- Excavator – used for excavation of the trench
- Tanker Truck – used to support fuel for vehicles or water for dust control
- Generator Trailer – used to support construction tooling and equipment
- Hydro / Vacuum Excavation Truck – used for excavation of the trench in close proximity to utilities
- Pick-Up Truck or Van – transport workers and supervisors to and from the work site
- Box Truck – transport workers and equipment or materials to and from the work site
- Road Saw – used to saw cut the asphalt for the trench excavation
- Welding Rig – used to support the welding of pipe

Restoration Details

Restoration will be completed to the Town of Longmeadow's requirements. The lawn area disturbed will receive a minimum of 4" of loam and grass seed.

TABLE OF CONTENTS

EVERSOURCE ENERGY

WORK SCOPE

I&R INITIATIVES

- ☐ TIER 1 CONTROL LINE REMEDIATION
- ☒ OVERPIPE PROTECTION
- ☒ ASV DEVICE REPLACEMENT
- ☐ TEE STRAINER INSTALLATION
- ☒ TELEMETRY
- ☐ INVESTIGATION DIGS
- ☐ BYPASS BLOCKING VALVE REMEDIATION
- ☐ MISC WORK:

2021 EGMA I&R INITIATIVES

HILLSIDE TERRACE @ LONGMEADOW STREET, LONGMEADOW, MA
WORK LOCATION: HILLSIDE @ LONGMEADOW
PREMISE ID: 11423
PROJECT #: 21-77843

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
X	ISSUED FOR XXXXX	XX/XX/20	XX/XX

Revision/Status

HILLSIDE TERRACE @ LONGMEADOW STREET, LONGMEADOW, MA
PROJECT #: 21-77843
COVER SHEET
SCALE: N.T.S. SHEET 1 OF 6

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
XXX XX/XX/XX	XXX XX/XX/XX	MA-WES-STA-LON-3791-01	X

EVERSOURCE STANDARD NOTES

1. IF ANY OF THE FOLLOWING OCCUR A DRAWING REVISION IS REQUIRED AND MUST BE APPROVED AND/OR STAMPED BY THE ENGINEER OF RECORD. CHANGES CAN BE APPROVED AND/OR STAMPED BY A PROJECT ENGINEER, BUT THE ENGINEER OF RECORD MUST BE INFORMED.
   - A. IF THE TIE IN POINT MOVES TO A DIFFERENT SEGMENT OF PIPE THAN SHOWN
   - B. IF A CHANGE IN THE LOCATION OF VALVES IS REQUIRED
   - C. IF THERE IS ANY CHANGE TO WHAT IS SHOWN ON THE DRAWING WITHIN 50 FT OF A PRESSURE REGULATING STATION, DISTRICT REGULATOR, OR GATE STATION
   - D. IF A CHANGE IN PIPE SIZE, MATERIAL, FITTINGS, OR WALL THICKNESS IS REQUIRED.

2. MINOR CHANGES SUCH AS OFFSETS MAY NOT REQUIRE DRAWING CHANGES.

3. EXCAVATOR SHALL CALL DIGSAFE / CALL BEFORE YOU DIG (DIAL 811) AT LEAST 72 HOURS PRIOR TO CONSTRUCTION. SATURDAYS, SUNDAYS, AND HOLIDAYS ARE EXCLUDED FROM THE 72-HOUR TIME SPAN, NOT CONSIDERED BUSINESS WORKDAYS.

4. CONSTRUCTION DRAWINGS ARE BASED ON EVERSOURCE HISTORICAL DOCUMENTATION AND HAVE NOT BEEN FIELD VERIFIED. WHEN THE PIPE IS EXPOSED AND VARIANCES TO THE CERTIFIED DRAWINGS ARE FOUND, CONTACT GAS ENGINEERING TO DETERMINE PATH FORWARD.

5. ALL WORK SHALL BE PERFORMED PER EVERSOURCE, LOCAL, STATE, OSHA, AND FEDERAL REGULATIONS AND STANDARDS.

6. MATERIAL AND CONSTRUCTION SHALL CONFORM TO EVERSOURCE GAS STANDARDS.

7. THE LOCATIONS OF EXISTING UTILITIES AND UNDERGROUND STRUCTURES ARE APPROXIMATE AND MUST BE FIELD VERIFIED. ADDITIONAL UNDERGROUND FACILITIES MAY EXIST THAT ARE NOT SHOWN ON THESE DRAWINGS WHICH MAY REQUIRE ADDITIONAL OFFSETS IN THE PIPELINE.

8. WORK LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. EXACT LOCATIONS OF TIE-INS SHALL BE DETERMINED AT THE TIME OF CONSTRUCTION TO SUIT FIELD CONDITIONS AT THE SPECIFIC TIE-IN POINT. VERIFY LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO BEGINNING ANY TIE-IN WORK.

9. ALL LIVE GAS WORK INCLUDING BUT NOT LIMITED TO TAPPING OF FITTINGS ON LIVE MAINS, STOPPING, MANIPULATING VALVE, ABANDONMENT, SHALL BE PERFORMED BY, OR AT THE DIRECTION AND UNDER THE DIRECT SUPERVISION OF EVERSOURCE GAS PERSONNEL AND IN ACCORDANCE WITH THE WRITTEN PROCEDURE. DRAWING CHANGES MAY ALSO REQUIRE A CHANGE TO THE PROCEDURE.

10. EXCAVATOR IS REQUIRED TO PROTECT EXISTING UTILITIES, STRUCTURES, 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.

11. IF THE PROJECT IS WITHIN 50 FEET OF A DISTRICT REGULATOR OR GATE STATION, ENSURE THAT A QUALIFIED I&R TECHNICIAN IS ON SITE.

12. ALL TRAFFIC CONTROL SHALL CONFORM TO THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), INCLUDING ALL REVISIONS AND ADDENDA. ALL TRAFFIC CONTROL DEVICES WILL BE SUPPLIED BY EXCAVATOR.

13. PROPERTY LINES, STRUCTURES AND EXISTING CONDITIONS DEPICTED ON PLANS ARE BASED ON EVERSOURCE GIS INFORMATION AND HAVE NOT BEEN VERIFIED BY LAND SURVEY UNLESS NOTED.

14. EXISTING SERVICES SHOWN ON PLAN ARE FOR INFORMATION ONLY. PROPOSED SERVICES ARE NOT SHOWN ON PLANS AND ARE TO BE INSTALLED PER EVERSOURCE CONSTRUCTION STANDARDS.

15. PROPOSED WORK SHALL BE PERFORMED AND COMPLETED IN COMPLIANCE WITH ALL PERMITS AND APPROVALS.

EVERSOURCE SPECIAL NOTES
(AS APPLICABLE)

DRAWING LEGEND

Gas Main Symbology
- Existing Gas Main
- Existing Gas Main to Be Abandoned
- Proposed Gas Main

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
*IP	Intermediate Pressure
*MP	Medium Pressure
*HP	High Pressure

MISCELLANEOUS CODES

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

Gas Main Installation Method Label References

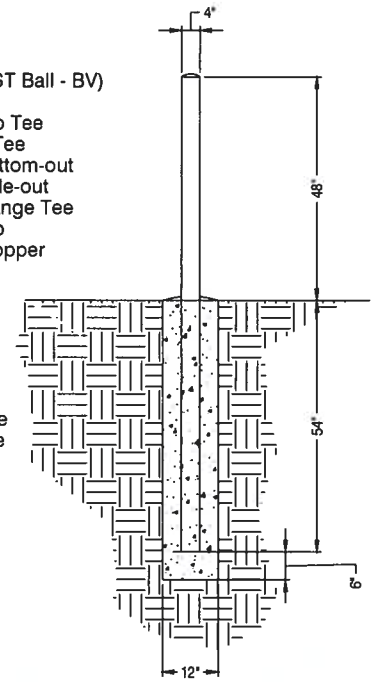
AT	Attached
BH	Bridge Hanger
BLGH	Building Hanger
DB	Directional Bore
IS	Inserted
OC	Open Cut
PB	Pneumatic Bore
PL	Plowed
RT	Roof Top
(E)	Existing
(P)	Proposed

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
TMS	Flush-mounted Tracer Wire Station
	Post Pipeline Marker with Tracer Wire
MM	Gas Main Marker without Tracer Wire
W	Test Well
R	Regulator Station
R	Single Customer Regulator
M	Meter
M	Meter with Regulator
	Test Point (Station)
T	Gas Service Tie-over
R	Gas Service Replacement
MMO	Meter Move Out

Swing Tie Symbology

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

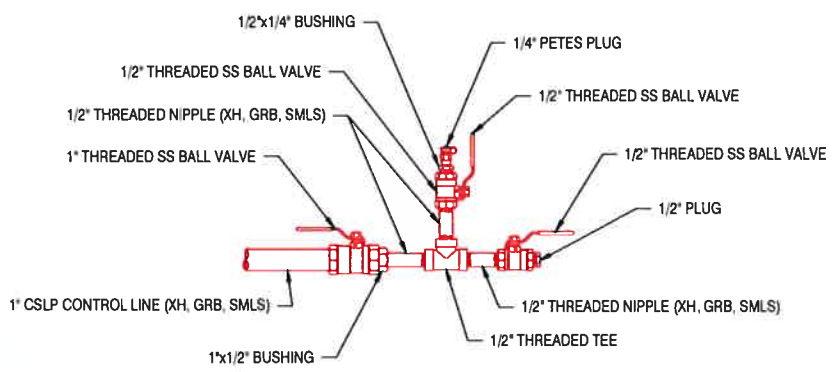


1 4" BOLLARD
Scale: N.T.S

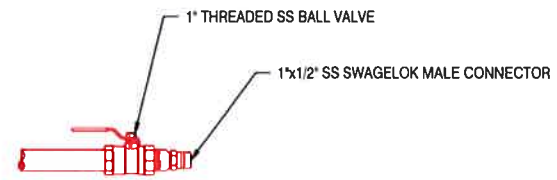
DOME TOP WITH CONCRETE
STANDARD STEEL PIPE FILLED WITH CONCRETE
PAINT EXPOSED SURFACES YELLOW
CONCRETE SLOPED AWAY FROM PIPE AT BASE

BILL OF MATERIALS

ITEM	QTY	SIZE	DESCRIPTION	DESIGN PRESS. (psig)
1	1	2"	PIETRO FIORENTINI, REVAL 182 150RF W/ DUCTILE BODY TOP ENTRY WITH 201+R31 STAINLESS PILOT SBC WATERPROOF SLAM SHUT, UNDERGROUND PIT INSTALLATION SURFACE TREATMENT COATING, STAINLESS STEEL FASTENERS, WATERPROOF PROVING SWITCH WITH 25 FOOT CABLE, WITH #2700830 SPRING RED/BLACK SPRING SET AT 14" W.C., UPSO SPRING #2700338 WHITE SET AT 4" W.C, OPSO #2700830 SPRING RED/BLACK SET AT 20" W.C., AND MATERIAL CERTIFICATE 04B (REG.)SECONDO PGGGG2740005IT	285
2	8	5/8" x 3"	STUD BOLT, ASTM A-193-B7, THREADED ENTIRE LENGTH, W/ 2 HEX NUTS A194-2H (FOR 2" FLANGE 150, REQ'S 4 BOLTS EA.)	N/A
	2	2"	GASKET FLAT RING, ANSI 150, 1/16" THICK, NON-ASBESTOS, NON-GLASS FIBER GARLOCK BLUE-GARD STYLE 3000, 1,000 PSIG MAXIMUM PRESSURE	1,000
3	2	1" x 1"	MUELLER H-17656 CS NO-BLO VALVE TEE WLD X WLD 1440#WP	1,440
4	30	1"	PIPE 0.179"W GB SMLS 30MIL FBE SA106	1,906
5	2	1"	ELL 90 DEG CS SOCK-WELD BLK 3000# SA105	1,906
6	2	1"	VALVE, BALL, CONTRO S8000-M3 2000WOG 316SS FP 2PC B VLV THD SS B TFM LL	2,000
	2	1" x 1/2"	BUSHING, HEX-HD, CS, BLK, 6000#	2,662
	2	1/2" x 4"	NIPPLE, XH, GB, SMLS, CS A106, TBE	2,450
	4	1/2" x 3"	NIPPLE, XH, GB, SMLS, CS A106, TBE	2,450
	2	1/2"	TEE BLK CS THD 3000# SA105	2,450
	4	1/2"	VALVE, BALL, CONTRO S8000-M3 2000WOG 316SS FP 2PC B VLV THD SS B TFM LL	2,000
	2	1/2" x 1/4"	BUSHING, HEX-HD, CS, BLK, 6000#	3,133
	2	1/4"	PETES PLUG II, BRASS BODY, NEOPRENE CORE, WITH CAP & BLUE TETHER, 500# W.P	500
	2	1/2" x 1/2"	SWAGELOK MALE COMPR CONNECTOR SS-810-1-8 T316SS TUB X MPT	3,700
	2	1/2"	PLUG, HEX HEAD, XH CS, 6000#, SA105 (FOR PRESSURE TEST)	3,133
	2	1/4"	PLUG, HEX HEAD, XH CS, 6000#, SA105 (FOR PRESSURE TEST)	3,085
7	2	1"	VALVE, BALL, CONTRO S8000-M3 2000WOG 316SS FP 2PC B VLV THD SS B TFM LL	2,000
	2	1/2" x 1"	SWAGELOK MALE CONNECTOR 1/2 TUBE OD x 1 MALE NPT SS-810-1-16	3,700
	2	1"	PLUG, HEX HEAD, XH CS, 6000#, SA105 (FOR PRESSURE TEST)	2,662
8	24	LS-300-C	LINK SEAL (4 LINKS REQUIRED PER PENETRATON - 1" PIPE THRU 3" CORE DRILL)	N/A
9	10	2"	CONDUIT GRC EXPLOSION PROOF	N/A
10	1	2"	CONDUIT END CAP GRC EXPLOSION PROOF	N/A
-		17LB	MAGNESIUM ANODE 17 LB - HIGH POTENTIAL C/W 10 FT #12 TW-R C & P INSULATED RED LEAD WIRE. PACKAGED IN BACKFILL. 75% GYPSUM. 20% BENTONITE, 5% SODIUM SULPHATE.	N/A
-	1	24" X 59"	OVERPIPE PROTECTION PLATE, 0.6" THICK	N/A
	1	-	OVERPIPE PROTECTION PLATE JOINING CLIP (1 PER PLATE)	N/A
	1	-	OVERPIPE PROTECTION PLATE CAP FOR CLIP (1 PER PLATE)	N/A
-	4	48" X 59"	OVERPIPE PROTECTION PLATE, 0.6" THICK	N/A
	4	-	OVERPIPE PROTECTION PLATE JOINING CLIP (1 PER PLATE)	N/A
	4	-	OVERPIPE PROTECTION PLATE CAP FOR CLIP (1 PER PLATE)	N/A
-		1 GAL	TAPECOAT OMNI PRIME COLD APPLY WRAP PRIMER 1 GAL UN2234	N/A
-		2" x 25'	TAPECOAT T-TAPE #235021GPE 2"X25', 12 ROLLS/CASE	N/A
-	1	-	TELEMETRY CABINET - EMERSON	N/A
-	1	-	TELEMETRY CABINET PRECAST CONCRETE PAD (BY OTHERS)	N/A
-		-	TEST BOX 5" DIA. ABS PLASTIC FOR CORROSION CONTROL 18 X 18 IN SHAFT LENGTH W/NON-LOCKING MAGNETIZED COVER, WITH TERMINAL PLATE WALL THICKNESS .150 +- .015 CP TEST #NMTNS01818.4PT 2000# OR MORE=FREIGHT PREPAID ALLOWED	N/A
-		4"	WAX TAPE 4 IN WIDE X 9 FT LONG 24/ROLLS/CS, TRENTON #1	N/A
		NOTE 1:	Maximum Allowed Pressure values are the maximum pressure for which a component can be used in a NiSource/EGMA system. Values are determined by manufacturer ratings, design pressure calculations, and in the case of steel pipe/fittings, the ***Maximum Allowed Pressure*** has been established by calculating a pressure that keeps the SMYS below 20%, i.e. non-transmission classification.	
		NOTE 2:	Material quantities listed are for reference only.	



2 STANDARD CONTROL LINE TAP DETAILS
Scale: N.T.S



3 STANDARD TELEMETRY LINE DETAILS
Scale: N.T.S

No.	Description	Date	Dw/Ck
X	ISSUED FOR XXXXX	XX/XX/20	XX/XX

Revision/Status

HILLSIDE TERRACE @ LONGMEADOW STREET, LONGMEADOW, MA
PROJECT #: 21-77843
BILL OF MATERIALS / NOTES
SCALE: N.T.S. SHEET 2 OF 6

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
XXX XX/XX/XX	XXX XX/XX/XX	MA-WES-STA-LON-3791-01	X

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

ASSESSORS MAP 393 BLOCK 58 LOT 29A
HILLSIDE TERRACE
N/F TOWN OF LONGMEADOW
DEED BOOK 5548 PAGE 302

GAS REGULATOR STATION
VAULTS - NO EASEMENT
DOCUMENT ENCOUNTERED
IN TITLE RESEARCH
COMPONENT OF PROJECT

LONGMEADOW
~ PUBLIC - ROUTE 5 - COUNTY LAYOUT - VARIABLE WIDTH ~
STREET

HILLSIDE
~ 50.00' WIDE ~
TERRACE

T OF ROADWAY LAYOUT
WOODED
GUARDRAIL
TREE LINE
GRASS
4" PL GAS LINE
SWLL
PAVED
AREA
SAC
GG
GG
GG(3)
FIBERGLASS
MANHOLE
GRASS
EOP
EMH
SMH
SMH
ABANDONNED
WATER LINE
10" WATER LINE
CB
GG
GG
GG
CONC.
SIDEWALK
UP#90-1
SWLL
EOP

N
0 5 10
Feet

No.	Description	Date	Dw/Ck
X	ISSUED FOR XXXXX	XX/XX/20	XX/XX

Revision/Status

HILLSIDE TERRACE @ LONGMEADOW STREET, LONGMEADOW, MA
PROJECT #: 21-77843
EXISTING CONDITIONS SITE PLAN
SCALE: AS NOTED
SHEET 3 OF 6

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
XXX XX/XX/XX	XXX XX/XX/XX	MA-WES-STA-LON-3791-01	X

FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

\\192.168.1.95\Land Survey Maps\NtiSource\CMA\Westboro Engineering Support\CY2021 Station Work\Springfield Stations\111423_Hillside Terrace @Longmeadow Street\

Mar 24, 2021 - 3:27pm

ASSESSORS MAP 393 BLOCK 58 LOT 29A
HILLSIDE TERRACE
N/F TOWN OF LONGMEADOW
DEED BOOK 5548 PAGE 302

GAS REGULATOR STATION
VAULTS - NO EASEMENT
DOCUMENT ENCOUNTERED
IN TITLE RESEARCH
COMPONENT OF PROJECT

LONGMEADOW
~ PUBLIC - ROUTE 5 - COUNTY LAYOUT - VARIABLE WIDTH ~
STREET

HILLSIDE
~ 50.00' WIDE ~
TERRACE

T OF ROADWAY LAYOUT
GRASS
SWLL
4" PL GAS NE
WOODED GUARDRAIL
TELEMETRY EQUIPTMENT W/ BOLLARDS
OCAL CONDUIT FOR TELEMETRY
PAVED AREA
SAC
TREE LINE
GG
GG(3)
FIBERGLASS MANHOLE
GRASS
(2) TELEMETRY CS CONTROL LINES
EOP
(2) 1" CS CONTROL LINES
EMH
SMH
SMH
ABANDONNED WATER LINE
10" WATER LINE
CB
GG
GG
GG
CONC. SIDEWALK
UP#90-1
EOP
SWLL

N
0 5 10
Feet

No.	Description	Date	Dw/Ck
X	ISSUED FOR XXXXX	XX/XX/20	XX/XX

Revision/Status

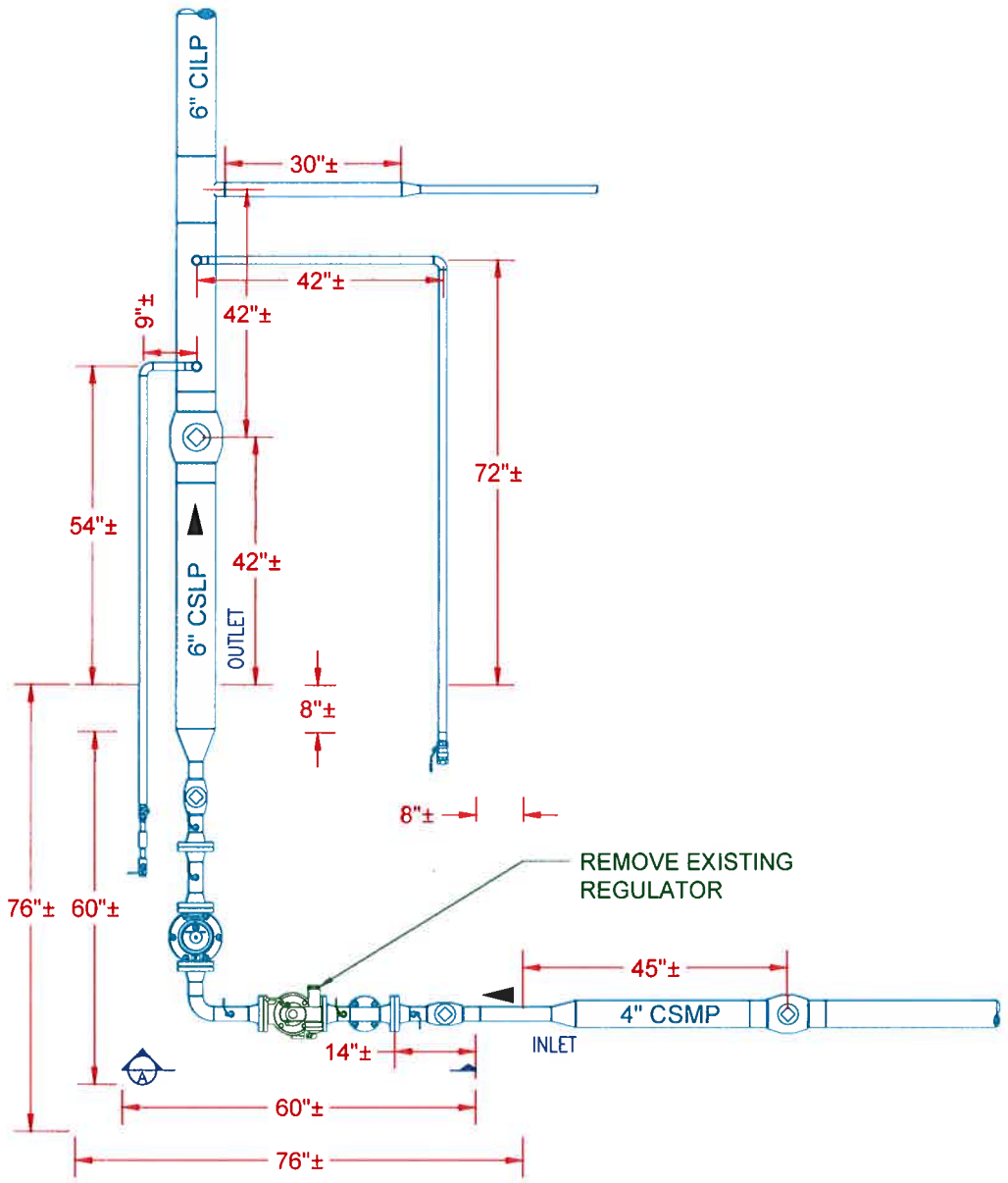
HILLSIDE TERRACE @ LONGMEADOW STREET, LONGMEADOW, MA
PROJECT #: 21-77843
PROPOSED SITE PLAN
SCALE: AS NOTED
SHEET 4 OF 6

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
XXX XX/XX/XX	XXX XX/XX/XX	MA-WES-STA-LON-3791-01	X

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

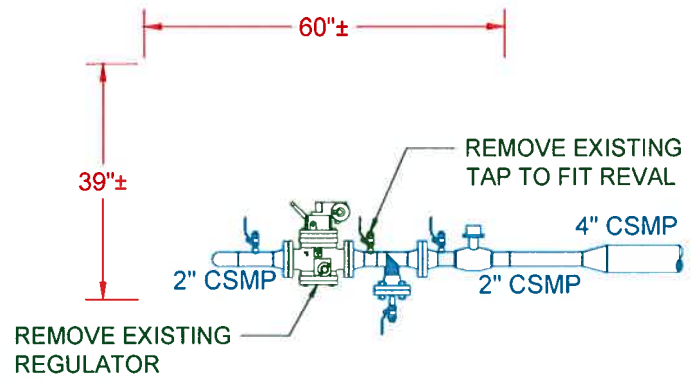
\\192.168.1.95\Land Survey Maps\NiSource\CMA\Westboro Engineering Support\CY2021 Station Work\Springfield Stations\11423_Hillside Terrace @Longmeadow Street\

Mar 24, 2021 - 3:27pm



PLAN VIEW

Scale: 3/4" = 1'-0"



ELEVATION VIEW (A-A)

Scale: 3/4" = 1'-0"

No.	Description	Date	Dw/Ck
X	ISSUED FOR XXXXX	XX/XX/20	XX/XX

Revision/Status

HILLSIDE TERRACE @ LONGMEADOW STREET, LONGMEADOW, MA

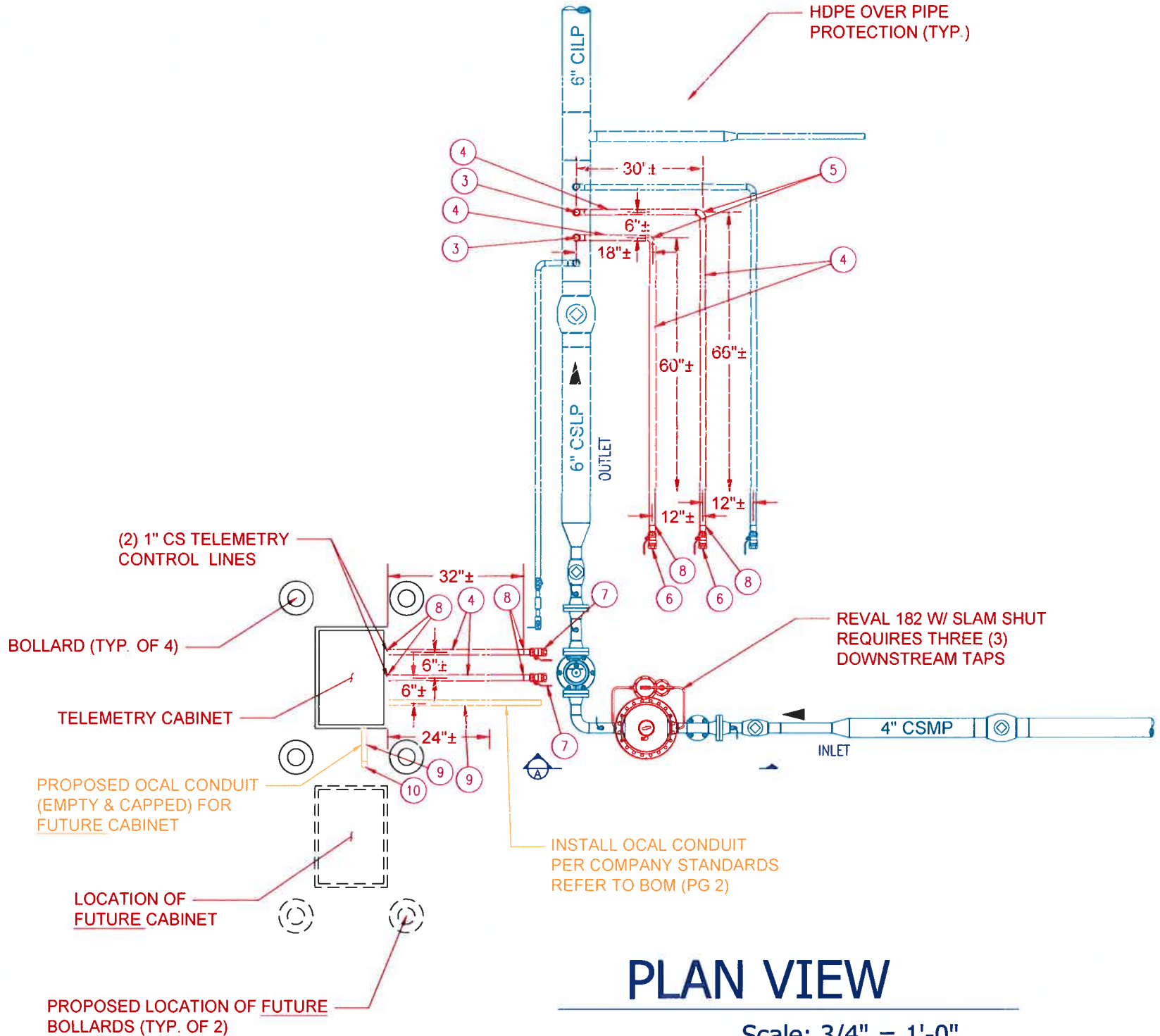
PROJECT #: 21-77843

EXISTING CONDITIONS PIPING DETAILS

SCALE: AS NOTED SHEET 5 OF 6

Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
XXX XX/XX/XX	XXX XX/XX/XX	MA-WES-STA-LON-3791-01	X

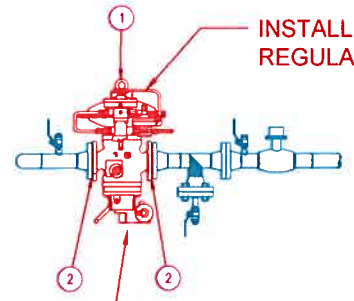
FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION



PLAN VIEW

Scale: 3/4" = 1'-0"

CONSTRUCTION NOTE:
1. REMOVAL OF GRAVEL IS NEEDED TO FIT REGULATOR



ELEVATION VIEW (A-A)

Scale: 3/4" = 1'-0"

NOTES:
1. PROPOSED STATION COMPONENTS SHALL BE PRESSURE TESTED AT A MINIMUM 150PSIG NOT TO EXCEED 200PSIG FOR A MINIMUM OF ONE HOUR OR THE DURATION APPROPRIATE PER COMPANY STANDARDS.
2. 100% NDTS REQUIRED PER COMPANY STANDARD INCLUDING BUT NOT LIMITED TO RADIOGRAPHIC INSPECTION/REVIEW
3. REFER TO BILL OF MATERIALS INCLUDED ON PAGE 2 FOR FULL MATERIAL REQUIREMENTS.
4. ORIENTATION AND/OR COMPOSITION OF TAPS WITHIN FACILITY MAY DEVIATE FROM APPROVED (STAMPED) PLAN TO ACCOMMODATE ACCESS AND WORKABILITY CONCERNS AND SUIT EGMA M&R DESIGNATED USE.

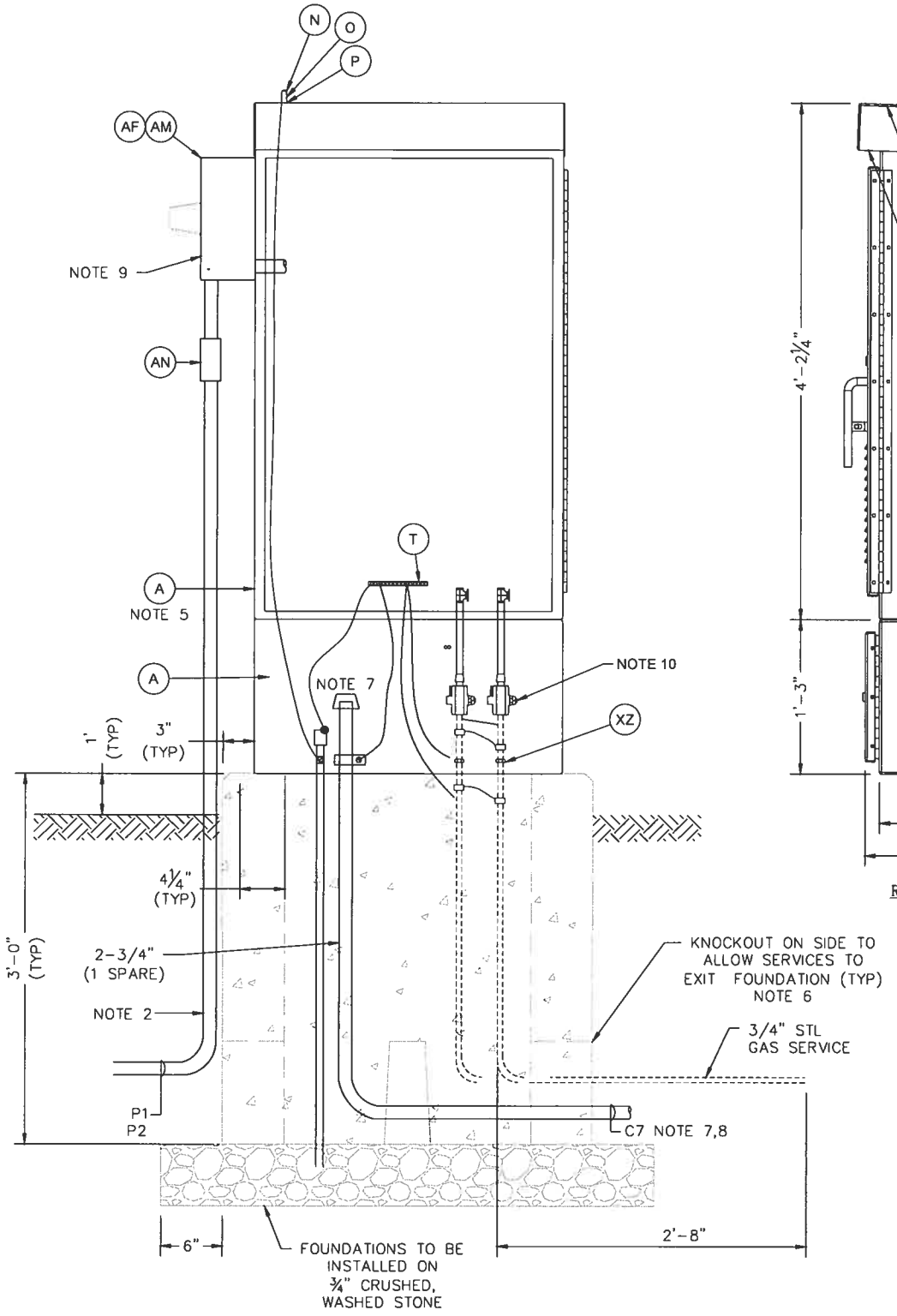
FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

No.	Description	Date	Dw/Ck
X	ISSUED FOR XXXXX	XX/XX/20	XX/XX

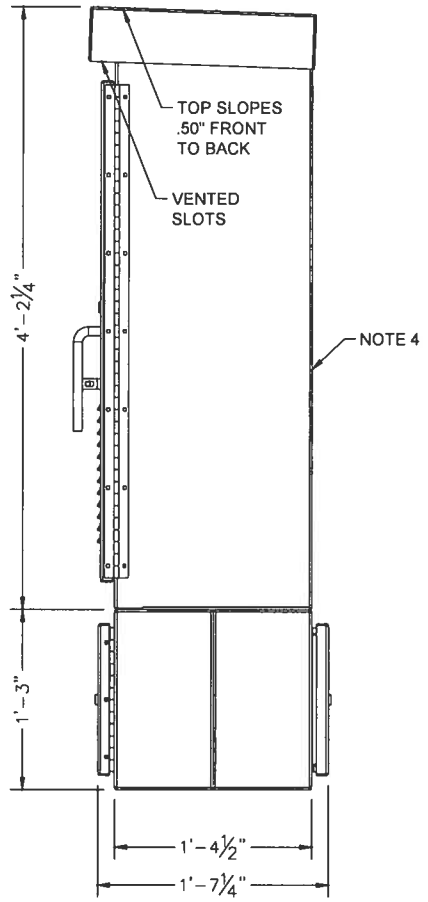
Revision/Status

HILLSIDE TERRACE @ LONGMEADOW STREET, LONGMEADOW, MA
PROJECT #: 21-77843
PROPOSED PIPING DETAILS
SCALE: AS NOTED SHEET 6 OF 6

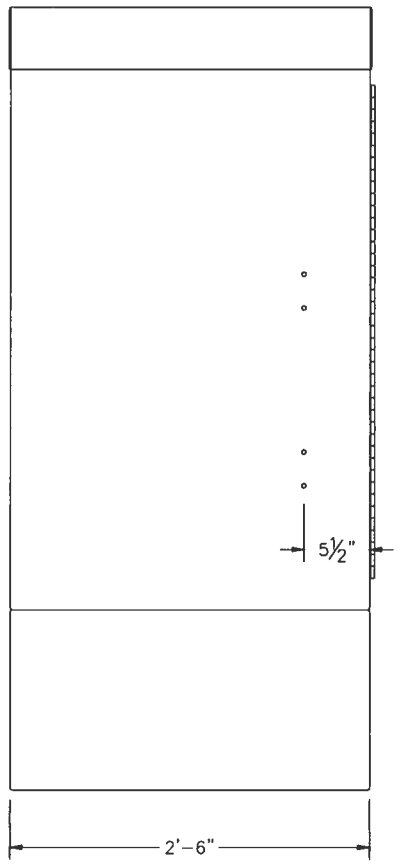
Drawn by / Date	Checked by / Date	Drawing Number	Rev. No.
XXX XX/XX/XX	XXX XX/XX/XX	MA-WES-STA-LON-3791-01	X



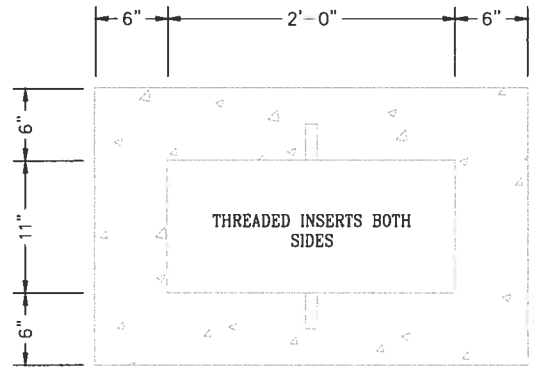
ENCLOSURE ELEVATION VIEW

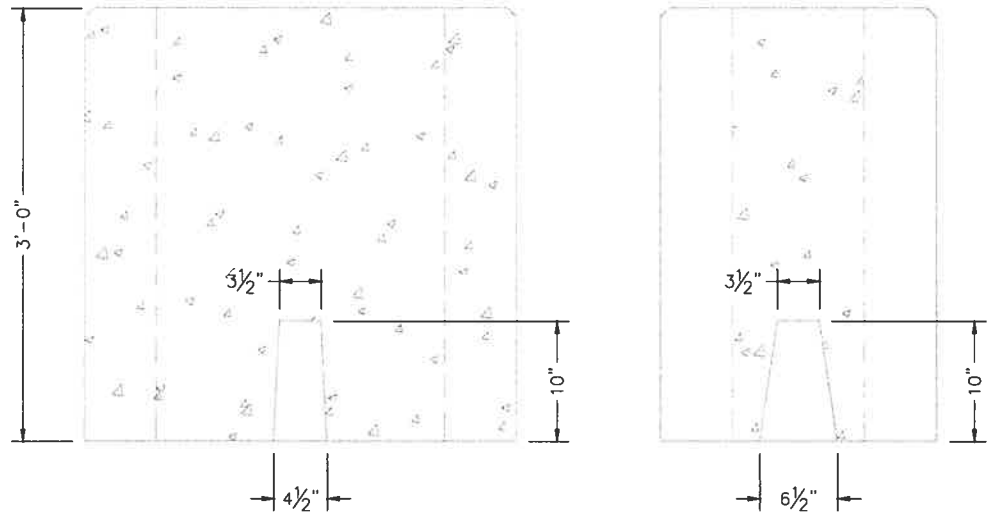


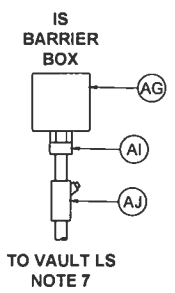
RIGHT OUTSIDE VIEW



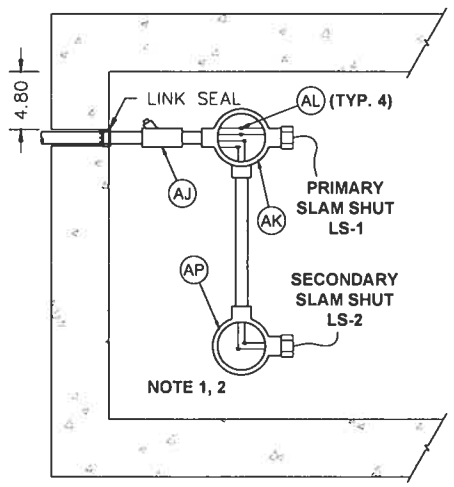
FRONT INSIDE CUT-OUT DETAIL







INTRINSIC BARRIER DETAIL (IF REQUIRED)



VAULT DETAIL (IF REQUIRED)

NOTES:

1. EFV TO BE INSTALLED PER MANUFACTURERS REQUIREMENTS. EFV SHALL BE PROPERLY SIZED FOR APPLICATION PER EVERSOURCE STANDARDS AND MANUFACTURERS REQUIREMENTS.
2. SERVICE CONNECTION TO CABINET SHALL BE IN ACCORDANCE WITH NFPA 70, THE REQUIREMENT OF THE LOCAL UTILITY AND THE AUTHORITY HAVING JURISDICTION (AHJ). IF A METER IS REQUIRED, IT SHALL BE LOCATED EXTERNAL TO THE CABINET .
3. AN EFV WILL BE INSTALLED ON EACH GAS LINE TO A TRANSMITTER OR SETPOINT CONTROLLER.
4. EQUIPMENT SHALL BE MOUNTED NEAT AND PLUMB.
5. INSTALL STANDOFFS TO THE BACK PLANE OF EACH CABINET.
6. ALL BELOW GRADE OPENINGS IN POLL BOX SHALL BE PARGED WITH CONCRETE.
7. ¾" RMC-PC TO INTRINSIC FAIL SAFE LIMIT SWITCHES IN VAULT – CAP IF NOT NEEDED.
8. MARK CONDUIT AT 18" INTERVALS WITH 1 BAND BLUE SCOTCH 35 MARKING TAPE.
9. METER TROUGH & CIRCUIT BREAKER SHALL BE BY ELECTRICAL CONTRACTOR, METER BY UTILITY.
10. MOUNT AS LOW AS POSSIBLE IN LOWER CABINET (ALL EYS CONNECTORS).

0 1 2 3
SCALE: 1-1/2"=1'

ISSUED FOR CONSTRUCTION

No.	Description	Date	Dw/Ck/Ap
1	INCORPORATED COMMENTS	04/09/21	DBF/MPL/EPJ
0	ISSUED FOR CONSTRUCTION	03/26/21	ARZ/MPL/EJP

Revision/Status

EVERSOURCE ENERGY

EGMA END POINT TELEMETER

ENCLOSURE DETAIL

TRI-MONT Engineering Company
Plymouth, MA.

FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION

SCALE: 1-1/2" = 1' SHEET 2 OF 10

Drawn by / Date	Checked by / Date	Sheet Number	Rev. No.
ARZ / 03/23/21	MPL / 03/23/21	D-190-92.03-M01	1
Approved by / Date EJP / 03/23/21	Filed: D-190-92.03.dwg		

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Apr 09, 2021 - 5:40pm