

APPLICATION/AGREEMENT
For Trench/Disturbance Permit within the City of New Bedford

Permit # 220-2023
Dig Safe# 20231203117
Date: 3/21/23

TO THE MAYOR AND CITY COUNCIL: DISTURBANCE PERMIT/TRENCH SAFETY PERMIT

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

Location of Work: ~~125~~ 416 Church St. (including intersections)

Nash Rd. - Park Ave.

Install Gas Main

Work will begin (weather permitting) on: April 4, 2023

ROADWAY CLOSURES WILL REQUIRE
AUTHORIZATION FROM THE
COMMISSIONER OF PUBLIC
INFRASTRUCTURE. TRAFFIC MANAGEMEN
PLANS MAY BE REQUIRED.

Applicant Name: Brian Giffis (ra)

Excavator(s) Name: _____

Company Name: Eversource

Hoisting Equipment License Number: _____

Grade: _____ Expiration Date: _____

Contact Number: 508-441-5817

Name & Contact Number of Insurer: _____

Competent Person on Work Site: ON FILE

APPROVED BY: Stephen Cuyler DATE: 4-25-2023

TITLE: Asst. City Engineer

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

Permit only valid for six months
from date of approval

Trenches must be maintained
weekly until final paving is
completed

Final Trench Restoration: Final Pavement of
restoration will require mill and overlay of
Church St to be full width of the roadway
(curb to curb). Adjust all structures as
needed. Pavement markings to be ~~reinstated~~
installed once paving is complete.

EVERSOURCE MA GAS
One NSTAR Way
Westwood, MA 02090
Phone 1-800-582-2000

EVERSOURCE



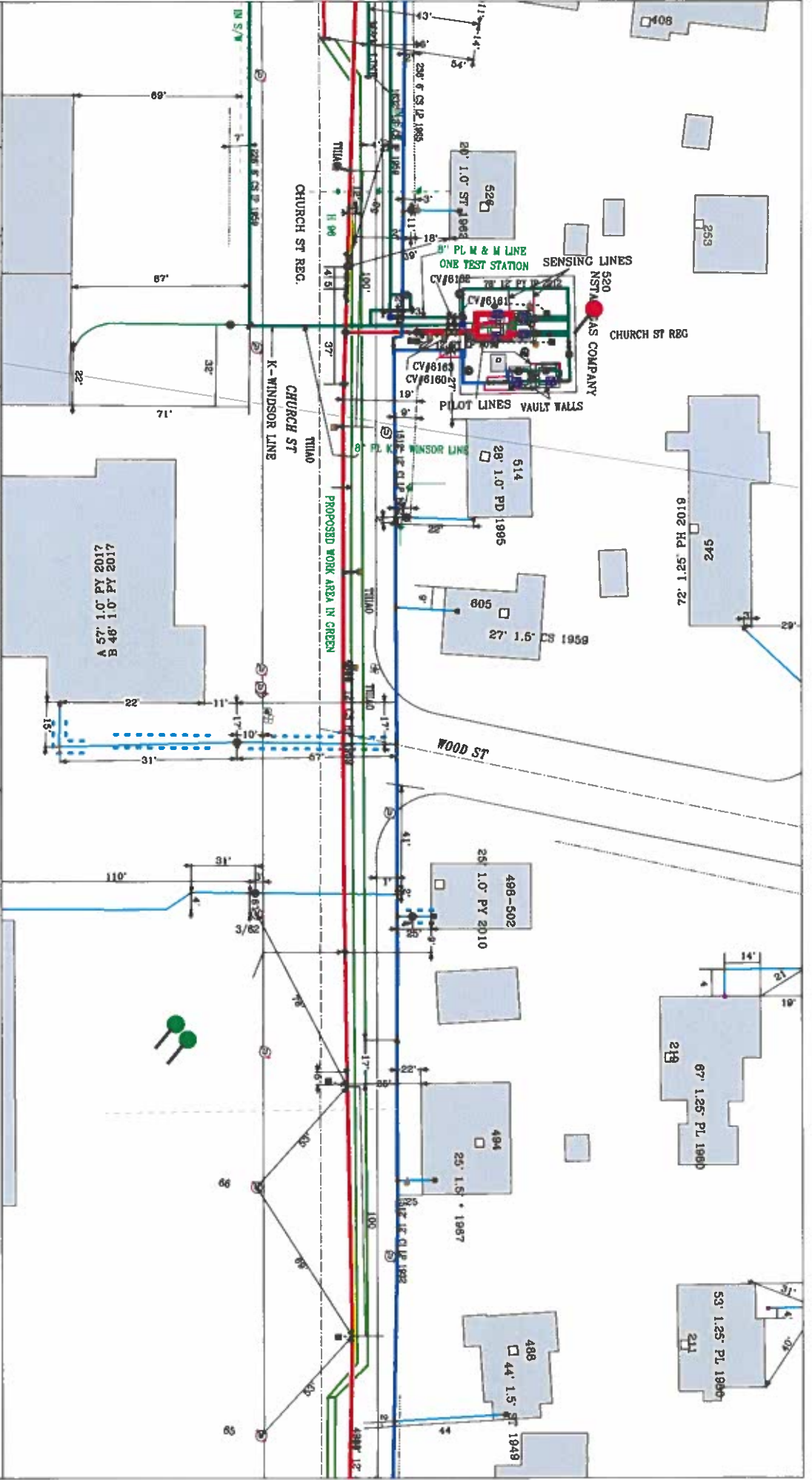
MASS LAW
Call Dig - Safe: 811

IMPORTANT - DO NOT SCALE

One drawing is provided, including all gas and all existing information, and is to be used as a guide only. It is not to be used for construction or for any other purpose. The user is responsible for verifying the accuracy of the information and for obtaining all necessary permits. The user is also responsible for obtaining all necessary information from the appropriate authorities. The user is not to be held responsible for any damage or injury resulting from the use of this drawing.

Address: Church St 1
City / Town: New Bedford

Date Plotted: 03/20/2023



EVERSOURCE MA GAS
One NSTAR Way
Westwood, MA 02090
Phone 1-800-582-2000

EVERSOURCE



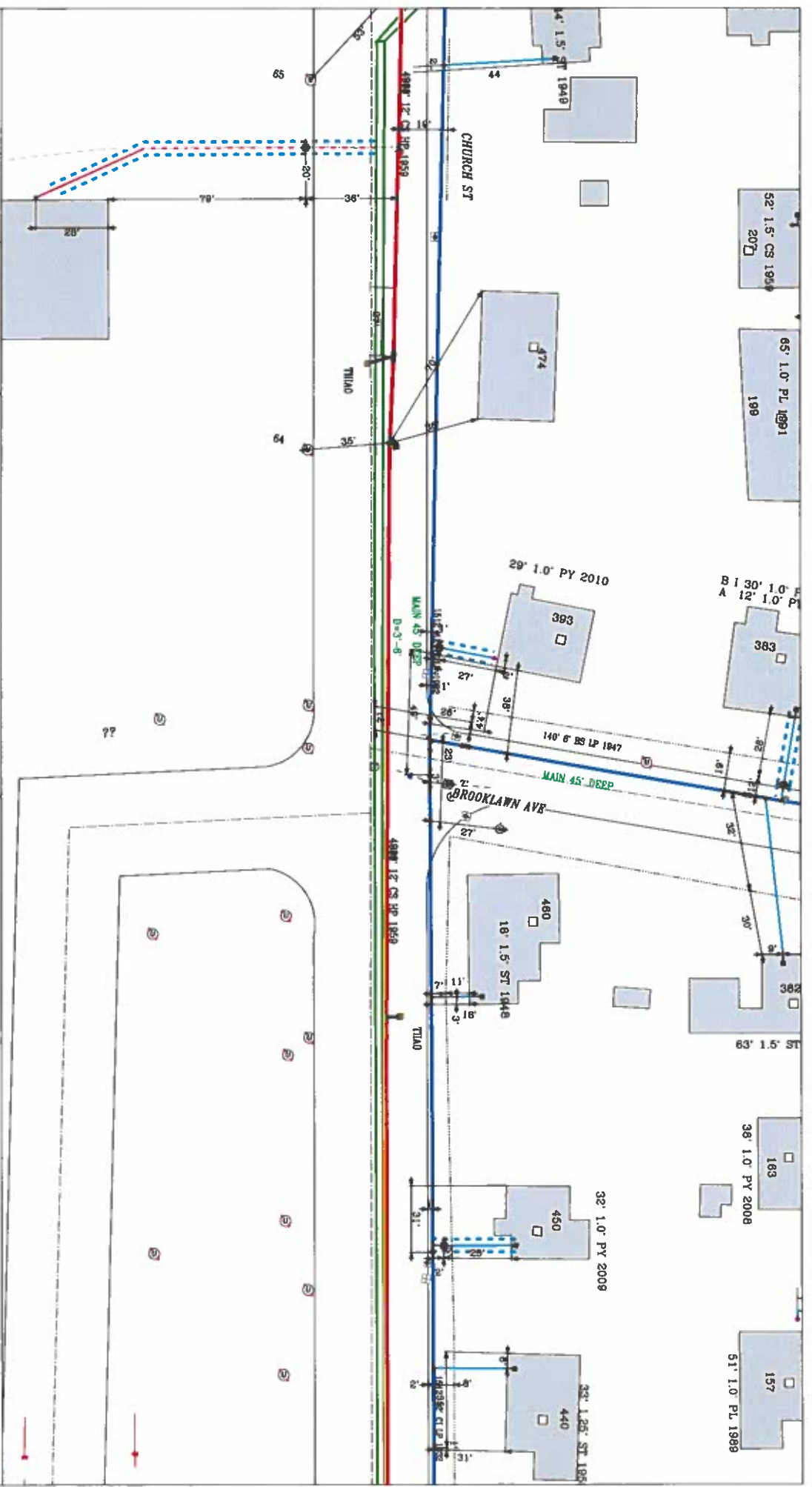
MASS LAW
Call Dig- Safe: 811

IMPORTANT - DO NOT SCALE

This drawing provides approximate location and is not to be used for excavation or construction purposes. It is not to be used for any other purpose without the written consent of the engineer. The location of any underground utility is shown as best known information.

Address: Church St 2
City / Town: New Bedford

Date Plotted: 03/20/2023



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

EVERSOURCE



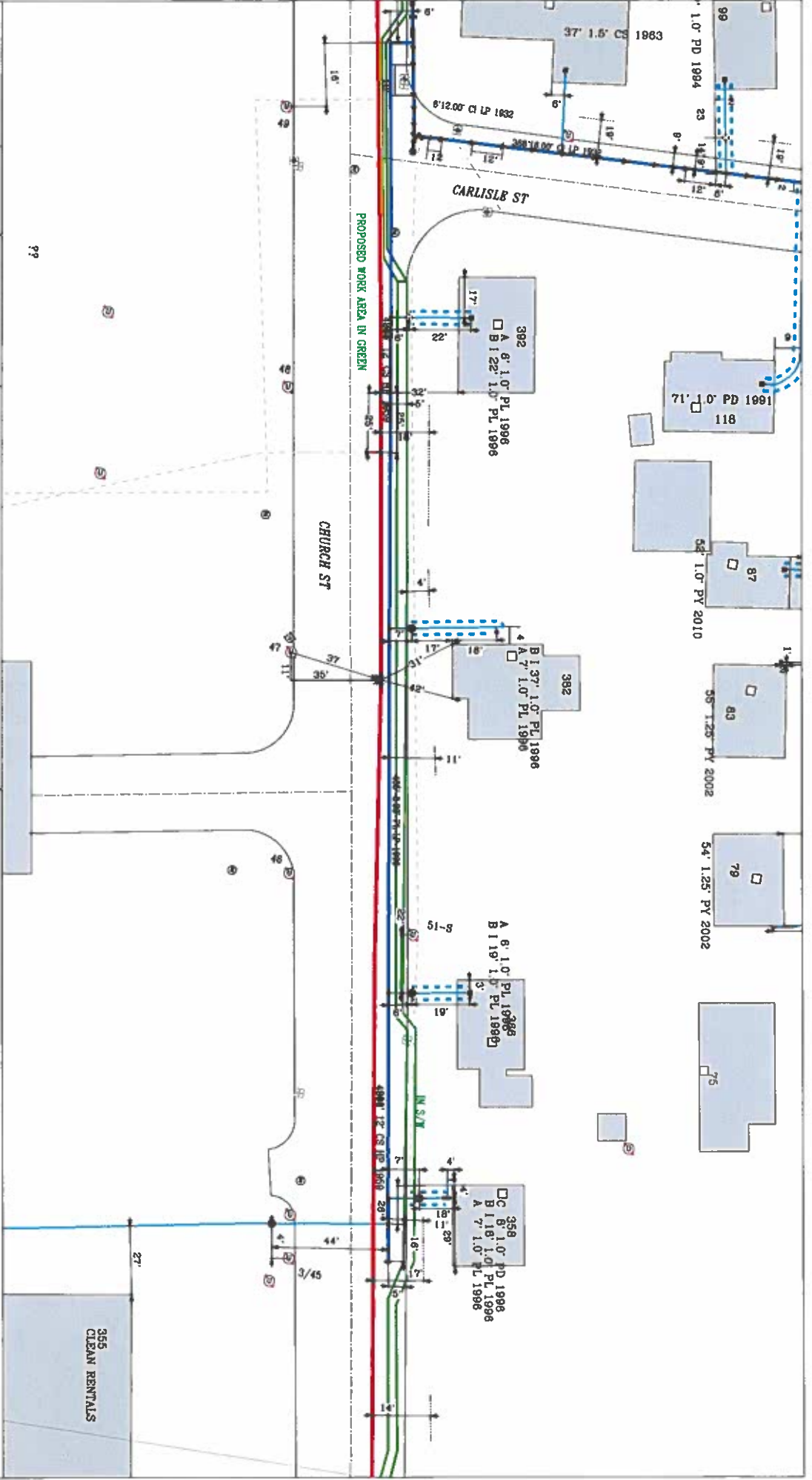
MASS LAW
Call Dig-Alert: 811

IMPORTANT - DO NOT SCALE

The drawings provide approximate location only and do not constitute a warranty. The customer is responsible for obtaining all necessary permits and for providing accurate information to the utility. The utility is not responsible for any damage to property or injury to persons resulting from the use of the drawings. The utility is not responsible for any damage to property or injury to persons resulting from the use of the drawings.

Address: Church St 4
City / Town: New Bedford

Date Plotted: 03/20/2023



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

EVERSOURCE



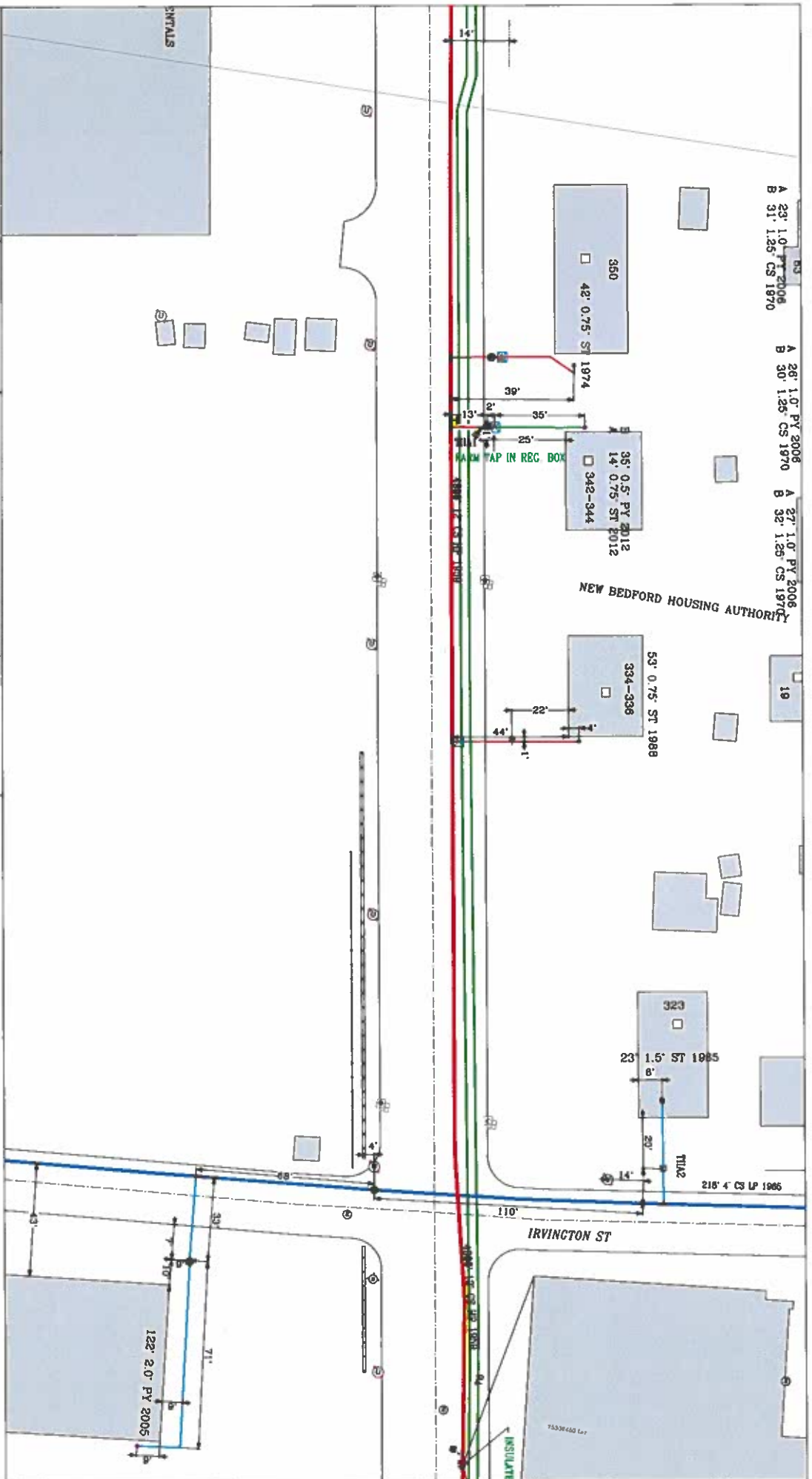
MASS LAW
Call Dig-Alert: 811

IMPORTANT - DO NOT SCALE

The drawings provide approximate location only and all specific information must be taken from the ground. The drawings are not to be used for construction or other purposes without the approval of the engineer. The drawings are not to be used for any other purpose without the approval of the engineer.

Address: Church St 5
City / Town: New Bedford

Date Plotted: 03/20/2023



EVERSOURCE MA GAS
One NStar Way
Westwood, MA 02090
Phone 1-800-582-2000

EVERSOURCE

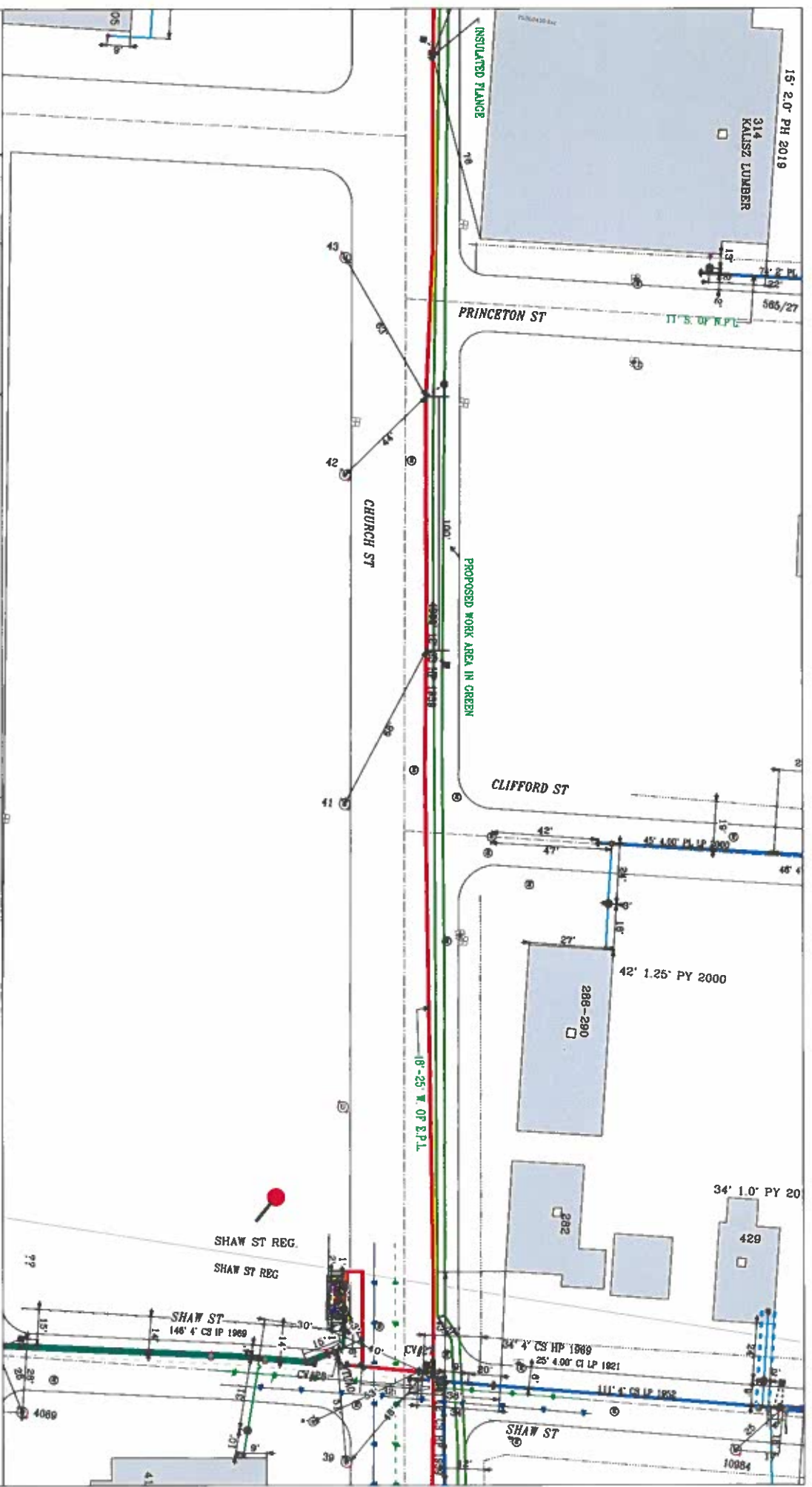


MASS LAW
Public Safety
Call Dig-Safe: 811

IMPORTANT - DO NOT SCALE
This drawing is a computer-generated drawing and is not to be used for construction purposes. It is for informational purposes only. The user is responsible for verifying the accuracy of the information and for obtaining the necessary permits and approvals. The user is also responsible for obtaining the necessary information from the appropriate authorities. The user is not to be held responsible for any errors or omissions in this drawing.

Address: Church St 6
City / Town: New Bedford

Date Plotted: 03/20/2023



EVERSOURCE MA GAS
One NSTAR Way
Westwood, MA 02090
Phone 1-800-582-2000

EVERSOURCE



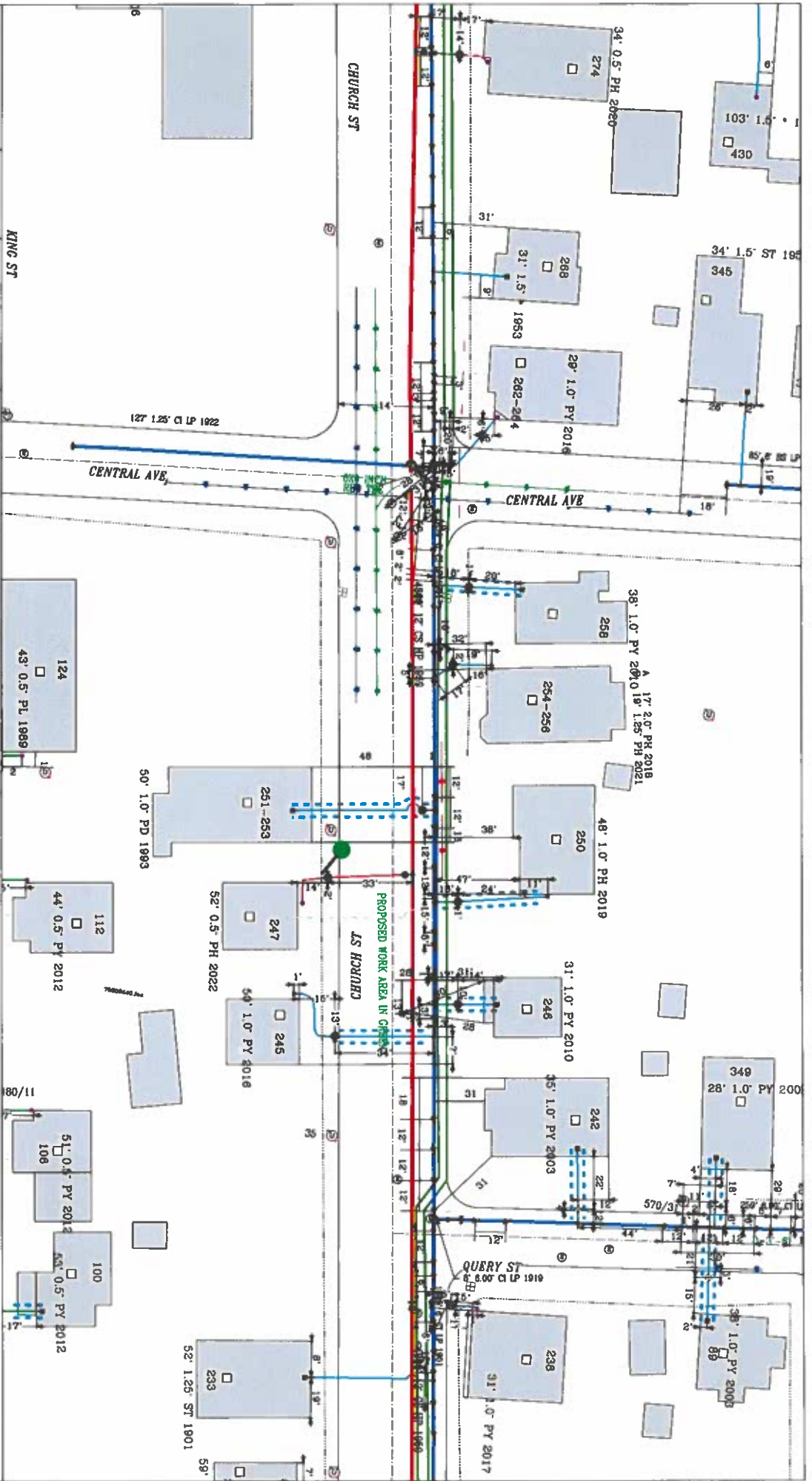
MASS LAW
Call Dig-Safe: 811

IMPORTANT - DO NOT SCALE

The drawings provide approximate location and all existing information and are not to be used for any other purpose. The drawings are not to be used for any other purpose. The drawings are not to be used for any other purpose.

Address:
City / Town: Church St 7
New Bedford

Date Plotted: 03/20/2023





Date Plotted: 03/20/2023

EVERSOURCE MA GAS
One NSTAR Way
Westwood, MA 02090
Phone 1-800-582-2000

EVERSOURCE

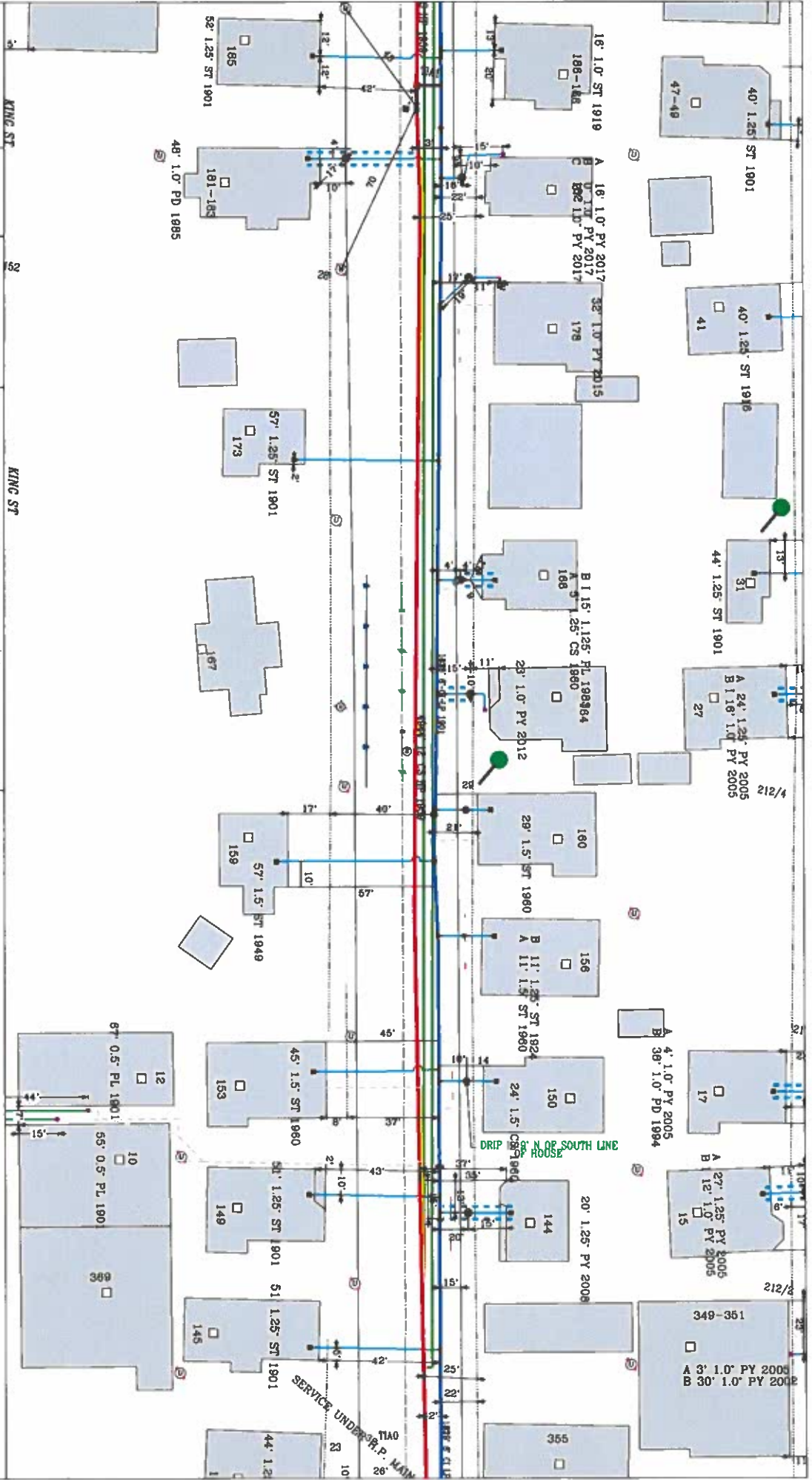


MASS LAW
Call Dig-Safe: 811

IMPORTANT - DO NOT SCALE
The accuracy of this information is based on the data provided to Eversource. Eversource is not responsible for any errors or omissions in this information. This information is for informational purposes only and should not be used for any other purpose.

Address: Church St 9
City / Town: New Bedford

Date Plotted: 03/20/2023



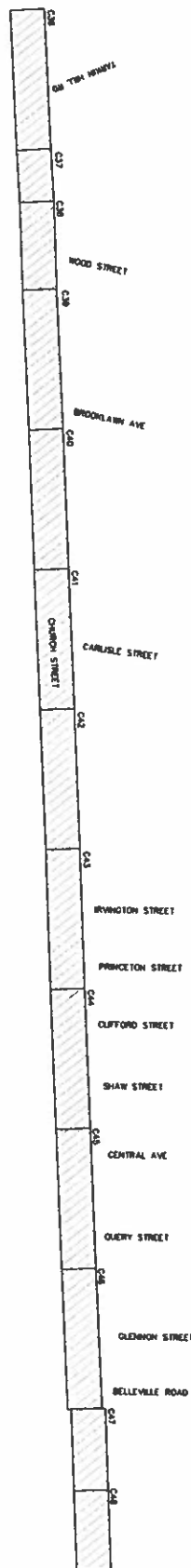
EVERSOURCE ENERGY
5,020' OF 16" COATED STEEL GAS MAIN REPLACEMENT PLAN
4,291' OF 8" HDPE PLASTIC GAS MAIN REPLACEMENT PLAN
CHURCH STREET, NEW BEDFORD, MA
WORK ORDER #10007683

DRAWING NO.	REVISION	DWG. DESCRIPTION
MA-21-PP-NEB-499-103	0	TITLE SHEET
MA-21-PP-NEB-499-G09	0	GENERAL OVERVIEW
MA-21-PP-NEB-499-G10	0	GEOTECHNICAL SOIL BORINGS
MA-21-PP-NEB-499-G11	0	GEOTECHNICAL SOIL BORINGS
PHASE 5. ALIGNMENT SHEETS		
MA-21-PP-NEB-499-C36	0	GAS PIPELINE ALIGNMENT SHEET 36
MA-21-PP-NEB-499-C37	0	GAS PIPELINE ALIGNMENT SHEET 37
MA-21-PP-NEB-499-C38	0	GAS PIPELINE ALIGNMENT SHEET 38
MA-21-PP-NEB-499-C39	0	GAS PIPELINE ALIGNMENT SHEET 39
MA-21-PP-NEB-499-C40	0	GAS PIPELINE ALIGNMENT SHEET 40
MA-21-PP-NEB-499-C41	0	GAS PIPELINE ALIGNMENT SHEET 41
MA-21-PP-NEB-499-C42	0	GAS PIPELINE ALIGNMENT SHEET 42
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MA-21-PP-NEB-499-C46	0	GAS PIPELINE ALIGNMENT SHEET 46
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MA-21-PP-NEB-499-D112	0	FACILITY DETAILS SHEET 112



M M NEW BEDFORD, MA		0 ISSUED FOR CONSTRUCTION No. _____ Date _____	
		01/17/2020 10:00 AM Date _____	
FIELD VISUAL INSPECTIONS PRIOR TO PIPE FABRICATION 01/17/2020 10:00 AM 01/17/2020 10:00 AM		CHURCH STREET MAIN RELAY AND INSTALLATION NEW BEDFORD, MA TITLE SHEET SCALE: 1" = 100' SHEET 1 OF 1 MA21PPNEB499 MA21PPNEB499-103 0	

GENERAL SITE PLAN
SCALE: 1" = 200'



2007-11-27

- [illegible]

- [illegible]

11

- [illegible]

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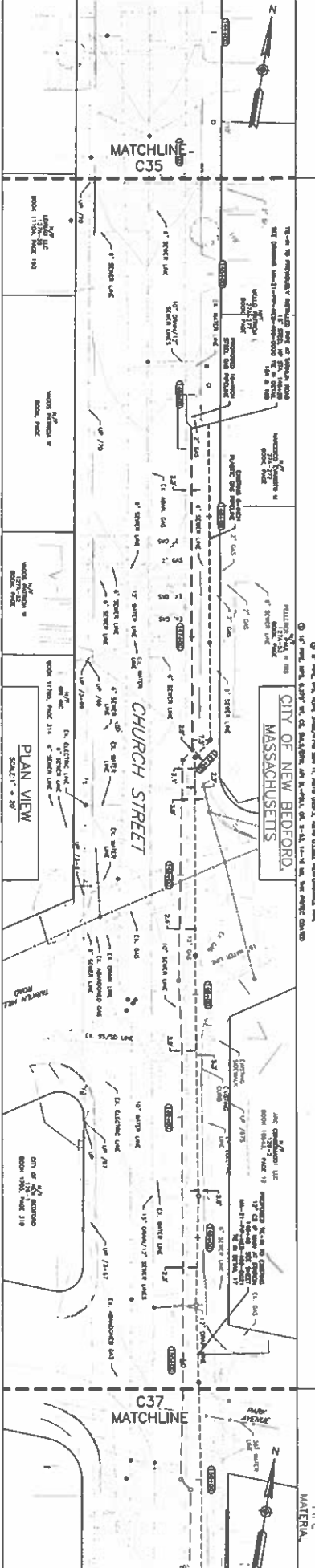
- UNIDENTIFIED POL
MURKIN
CATCH BASH
PER MONTANT
GATES/MAYERS
\$OL BOKE LOCATIONS
- ENDLINE WITH JUDSON.
- PROPOSED 8-INCH PLASTIC GAS LINE
PROPOSED 16-INCH STEEL GAS LINE
EXISTING GRADE

1



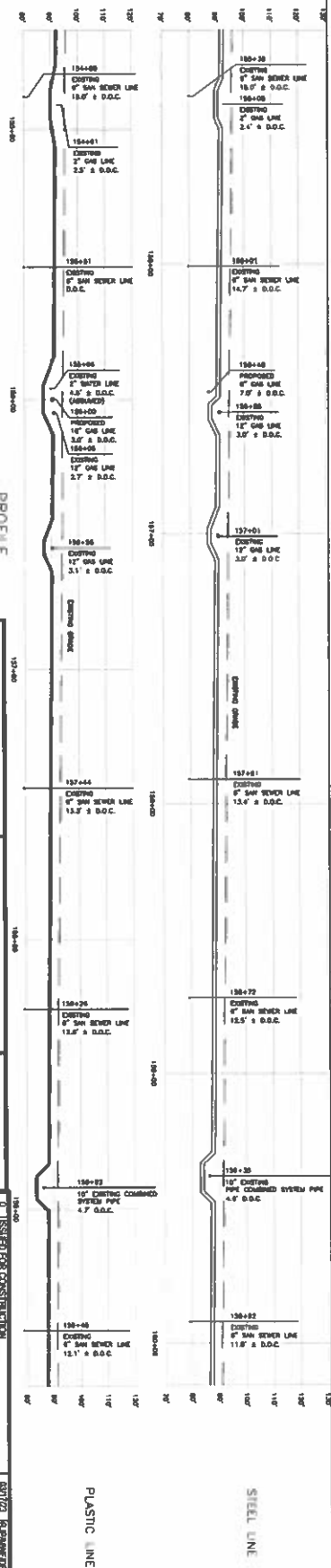
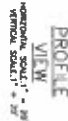
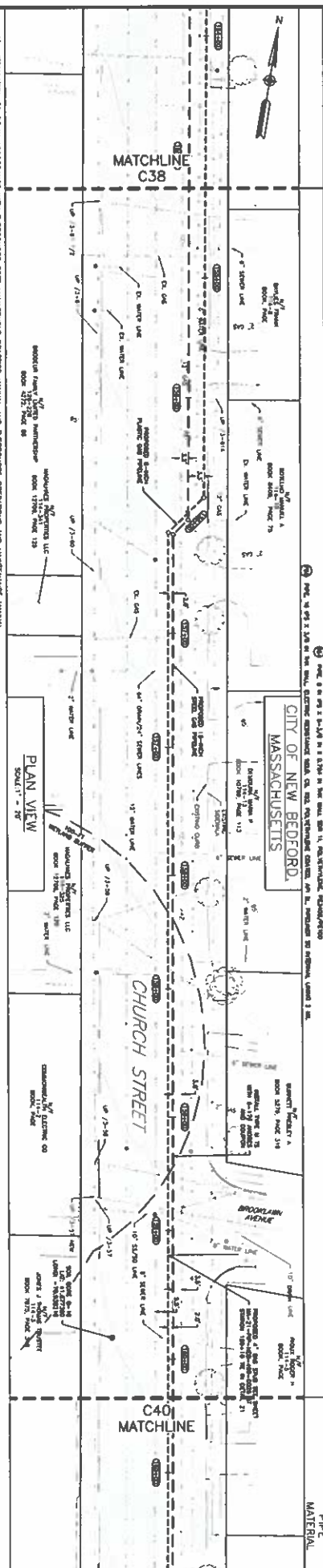
		PROJECT: PIPES, PUMPS, AND PRELIMINARY DIMENSIONS	
NO. 0		ISSUED FOR CONSTRUCTION	
Description		Sewerage	
No. 0		DATE: 10-11-1940	
CHURCH STREET MAIN RELAY AND INSTALLATION		EVERSOURCE ENERGY	
NEW BEDFORD, MA		GENERAL OVERVIEW	
SCALE: N.T.S.		SHEET: 1 OF 1	
Drawn by: J. L. Smith Checked by: J. L. Smith DATE: 10-11-1940 MDC PRICE: \$100.00		Design by: J. L. Smith MDC PRICE: \$100.00 DATE: 10-11-1940 MA-21-101-NEB-450-0	
Sheet Number		Date	
0		0	

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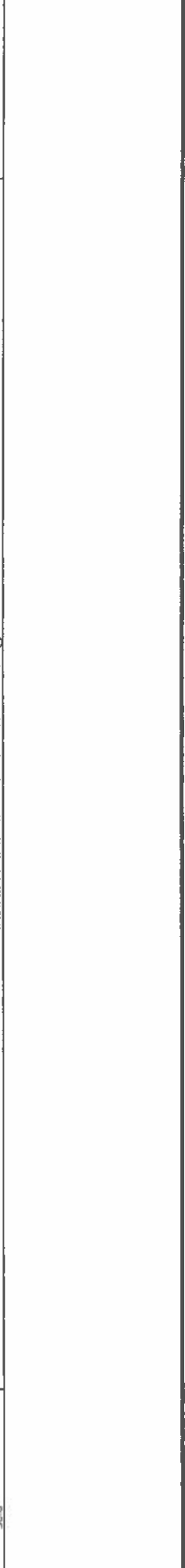
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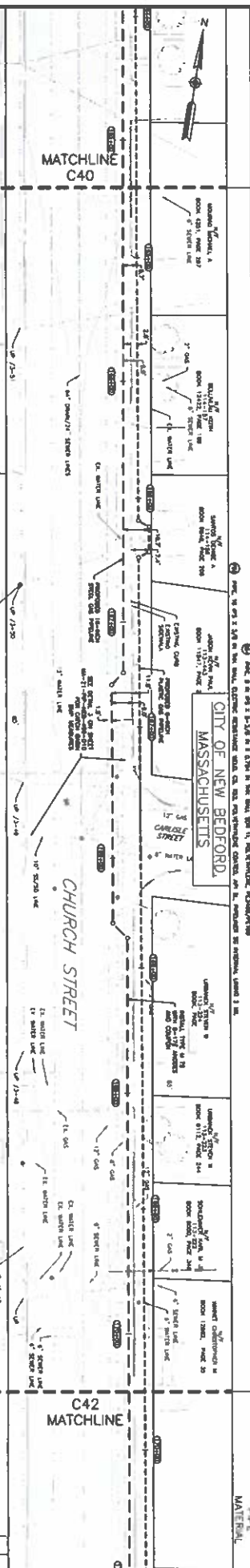
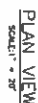
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(c) Not more than one-half electric resistance heat or hot air-heating coils, as follows: provided no other

**PIPE
MATERIA**

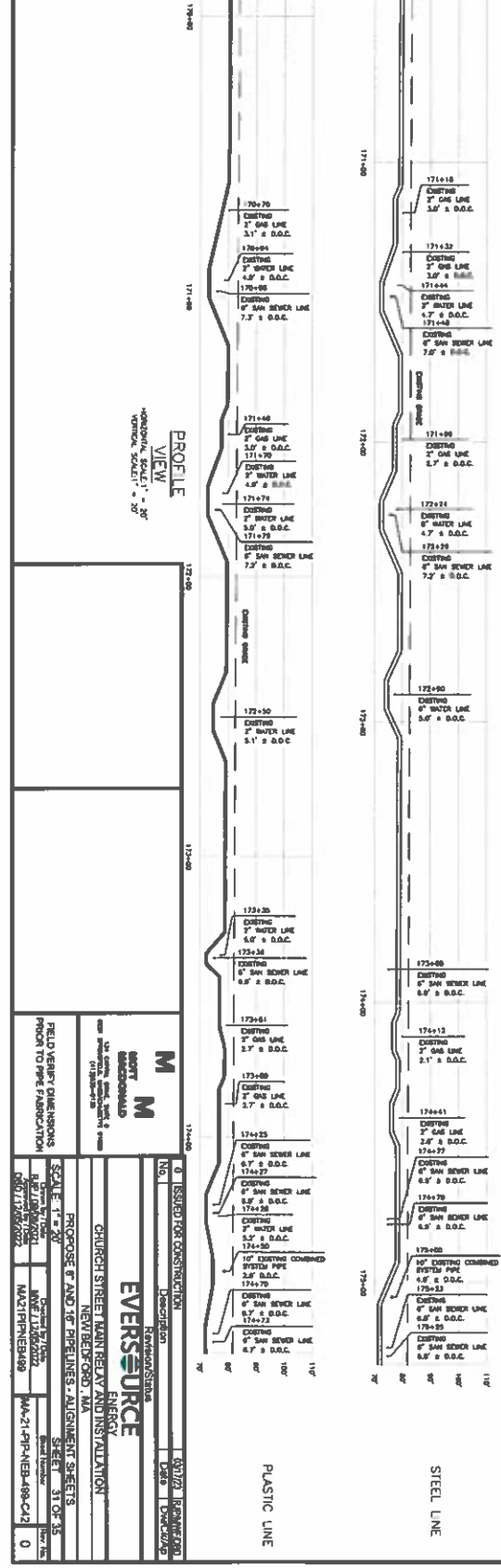
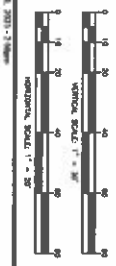
M M WOTT MACDONALD 12, Green St., Suite 1000 San Francisco, CA 94102-3128 415/398-3128		FIELD VERIFY DIMENSIONS FROM TOP OF FOUNDATION	
NO. 1	Description REVISION/STATUS	DATE 11/28/00	DRAWN BY JRM
EVERSOURCE CHURCH STREET NEWBURY PARK NEW BEDFORD, MASS			
#BOROS F AND 16 PIPELINES ALIGNMENT SHEETS			
SCALE 1" = 30'	Drawn by JRM/000001	Checked by JRM/000001	Sheet 24 of 35
Issue by JRM/000001	Drawn by JRM/000001	Checked by JRM/000001	Plot Number MA-21-BP-NE-009-C70
11/28/00			



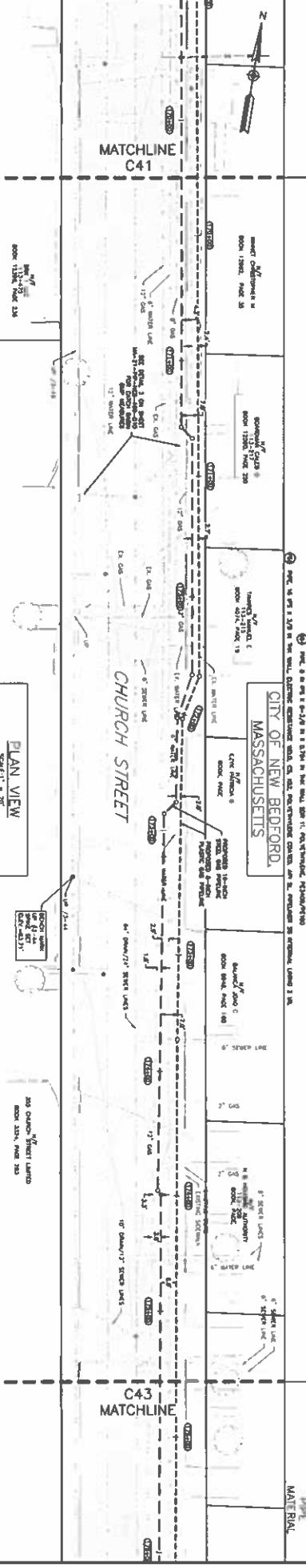


MATERIALS

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1) INSTALLATION TO BE IN ACCORDANCE WITH MASSACHUSETTS DEPARTMENT OF TRANSPORTATION, MANUAL AND SPECIFICATIONS, SECTIONS 1000 AND 1001, AND THE FOLLOWING CONDITIONS:
2) PROPOSED SEWER LINES SHALL BE INSTALLED ON THE EXISTING GROUND SURFACE, UNLESS OTHERWISE NOTED.
3) EXISTING GROUND SURFACE SHALL BE MAINTAINED TO THE EXISTING GRADE, UNLESS OTHERWISE NOTED.
4) ALL EXISTING NON-ADHESIVE JOINTS SHALL BE REPLACED WITH AN ADHESIVE JOINT.
5) ALL EXISTING NON-ADHESIVE JOINTS SHALL BE REPLACED WITH AN ADHESIVE JOINT.
6) ALL EXISTING NON-ADHESIVE JOINTS SHALL BE REPLACED WITH AN ADHESIVE JOINT.



NO.	DESCRIPTION	DATE	DRAWN	CHECKED	APPROVED	SCALE	SHEET	TOTAL
0	ISSUED FOR CONSTRUCTION						31	35
1	REVISION							
2	REVISION							
3	REVISION							
4	REVISION							
5	REVISION							
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VERTICAL SCALE: 1" = 20'

HORIZONTAL SCALE: 1" = 20'

MA21PIN-NEB-499-C43

MA21PIN-NEB-499-C43

MA21PIN-NEB-499-C43

MA21PIN-NEB-499-C43

MA21PIN-NEB-499-C43

MA21PIN-NEB-499-C43

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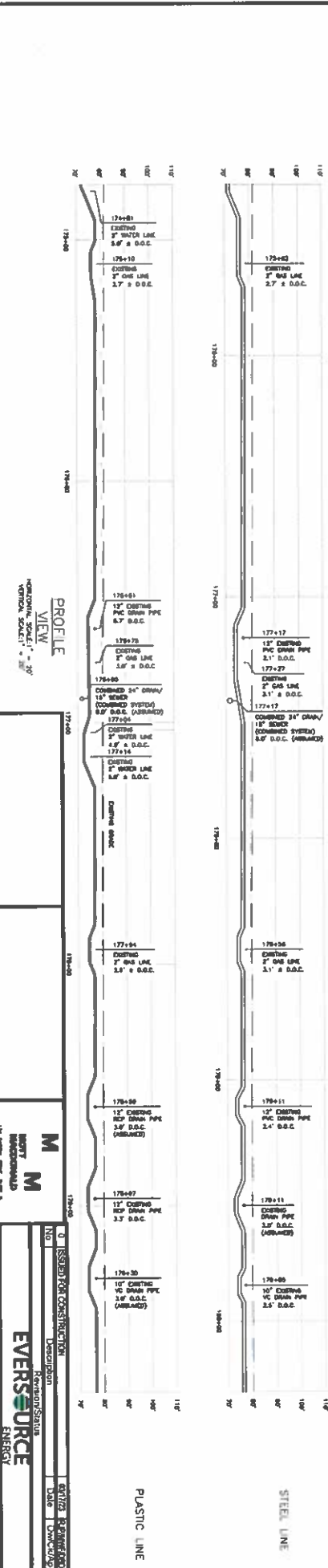
MA21PIN-NEB-499-C43

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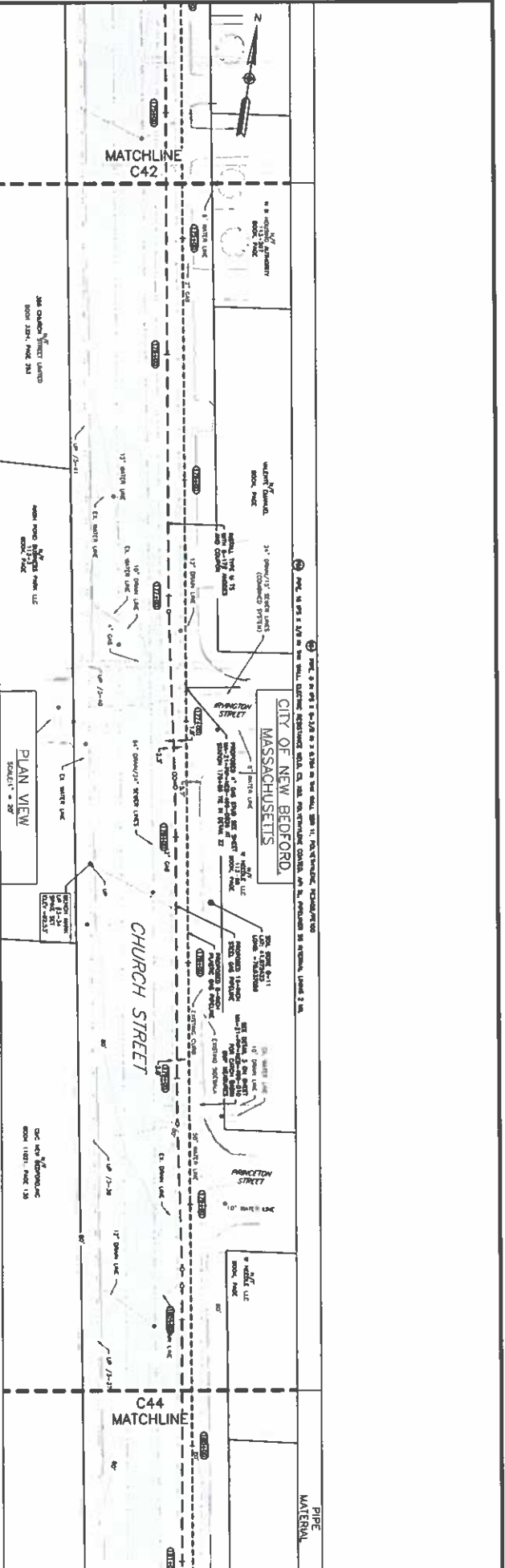
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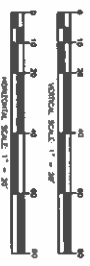


1) INSTALLATION TO BE IN ACCORDANCE WITH EVERSOURCE BEST PRACTICES FOR PIPELINES, CABLES, AND ELECTRICAL CONNECTIONS AND MAINTENANCE MANUAL.
2) PRELIMINARY DESIGN SHALL BE REVIEWED IN ACCORDANCE WITH THE DESIGN DETAIL ON SHEET MA-PP-499-100. CONNECTION SHALL BE IN ACCORDANCE WITH THE DESIGN DETAIL ON SHEET MA-PP-499-101.
3) EXISTING CONDITIONS SHALL BE MAINTAINED TO THE MAXIMUM EXTENT POSSIBLE.
4) ALL EXISTING NON-CONFORMING INSTALLATIONS SHALL BE REMOVED WITH AN ADA-COMPLIANT WELDING ROBOT. SEE DETAIL ON SHEET MA-PP-499-011.
5) ALL EXISTING NON-CONFORMING INSTALLATIONS SHALL BE REMOVED WITH AN ADA-COMPLIANT WELDING ROBOT. SEE DETAIL ON SHEET MA-PP-499-011.

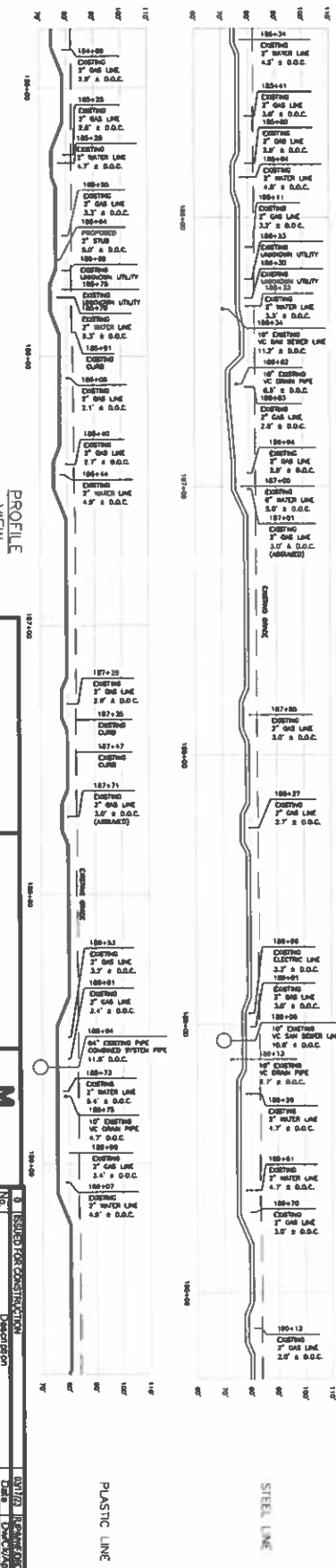


REVISIONS		DATE		BY	
1	ISSUED FOR CONSTRUCTION				
PROJECT INFORMATION					
PROJECT NAME: CHURCH STREET MAIN RELAY AND INSTALLATION					
PROJECT LOCATION: NEW BEDFORD, MA					
PROJECT NUMBER: MA21PIN-NEB-499-C43					
PROJECT SCALE: 1" = 20'					
PROJECT DATE: MAY 14, 2023					
PROJECT DRAWN BY: MA21PIN-NEB-499-C43					
PROJECT CHECKED BY: MA21PIN-NEB-499-C43					
PROJECT APPROVED BY: MA21PIN-NEB-499-C43					

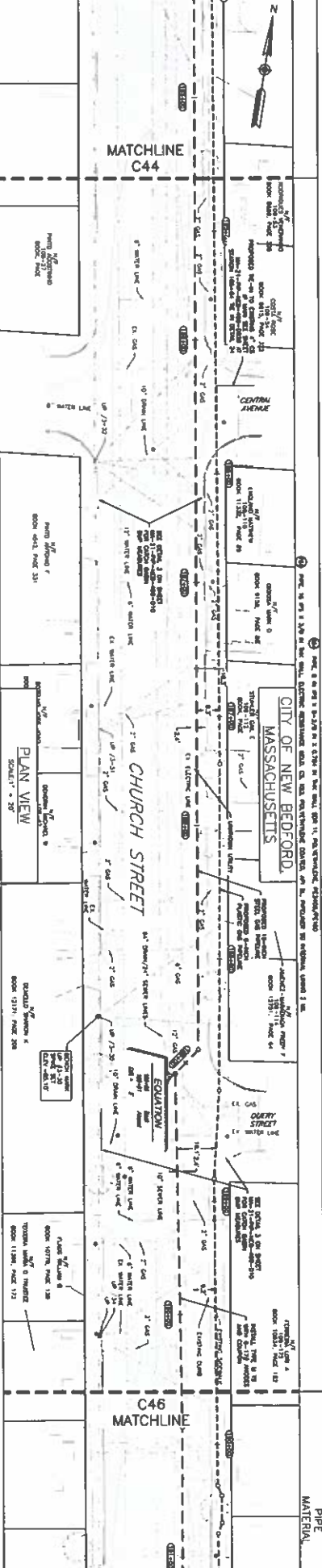
10/25/2023 3:57 PM



PROFILE VIEW
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 10'



- 1) INSTALLATION TO BE IN ACCORDANCE WITH PERFORMANCE BEST MANUFACTURE PRACTICE MANUAL AND EVIDENCE OPERATIONS AND MAINTENANCE MANUAL.
- 2) PRELIMINARY PROPOSALS SHALL BE REVISED IN ACCORDANCE WITH THE PROPOSED DETAILS ON SHEET MA-PP-489-C45. CONNECTIONS SHALL BE REINFORCED FOR SEISMIC LOADS. CONNECTIONS SHALL BE REINFORCED FOR SEISMIC LOADS. CONNECTIONS SHALL BE REINFORCED FOR SEISMIC LOADS.
- 3) PRELIMINARY PROPOSALS SHALL BE REVISED IN ACCORDANCE WITH THE PROPOSED DETAILS ON SHEET MA-PP-489-C45. CONNECTIONS SHALL BE REINFORCED FOR SEISMIC LOADS. CONNECTIONS SHALL BE REINFORCED FOR SEISMIC LOADS. CONNECTIONS SHALL BE REINFORCED FOR SEISMIC LOADS.
- 4) CONNECTIONS SHALL BE REINFORCED FOR SEISMIC LOADS. CONNECTIONS SHALL BE REINFORCED FOR SEISMIC LOADS. CONNECTIONS SHALL BE REINFORCED FOR SEISMIC LOADS.
- 5) CONNECTIONS SHALL BE REINFORCED FOR SEISMIC LOADS. CONNECTIONS SHALL BE REINFORCED FOR SEISMIC LOADS. CONNECTIONS SHALL BE REINFORCED FOR SEISMIC LOADS.
- 6) ALL EXISTING NON-COMPLIANT STRUCTURES SHALL BE REPLACED WITH AN ADEQUATELY ENGINEERED STRUCTURE. SEE DETAILS ON SHEET MA-PP-489-C45.

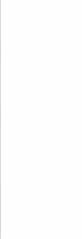
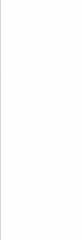
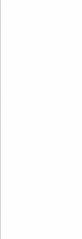
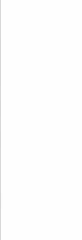
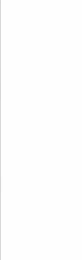
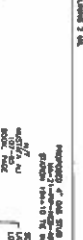
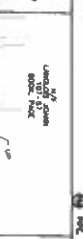
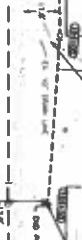
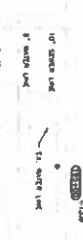
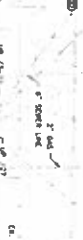
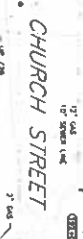
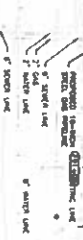
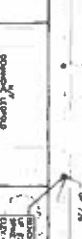
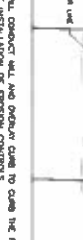
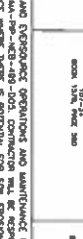
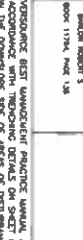
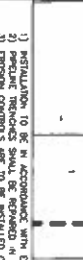
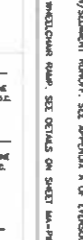
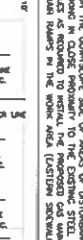
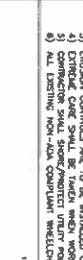
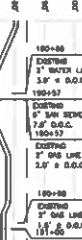
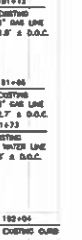
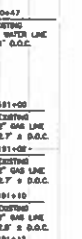
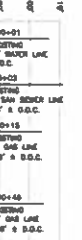
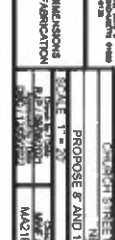
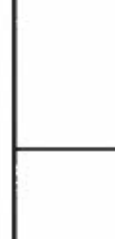
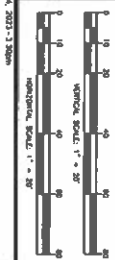


REVISIONS		DATE	BY	CHKD
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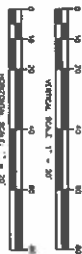
NO.	DESCRIPTION	DATE	BY	CHKD
1	ISSUED FOR CONSTRUCTION	10/25/2023	MA-21-PPA-489-C45	0

NO.	DESCRIPTION	DATE	BY	CHKD
1	ISSUED FOR CONSTRUCTION	10/25/2023	MA-21-PPA-489-C45	0

NO.	DESCRIPTION	DATE	BY	CHKD
1	ISSUED FOR CONSTRUCTION	10/25/2023	MA-21-PPA-489-C45	0



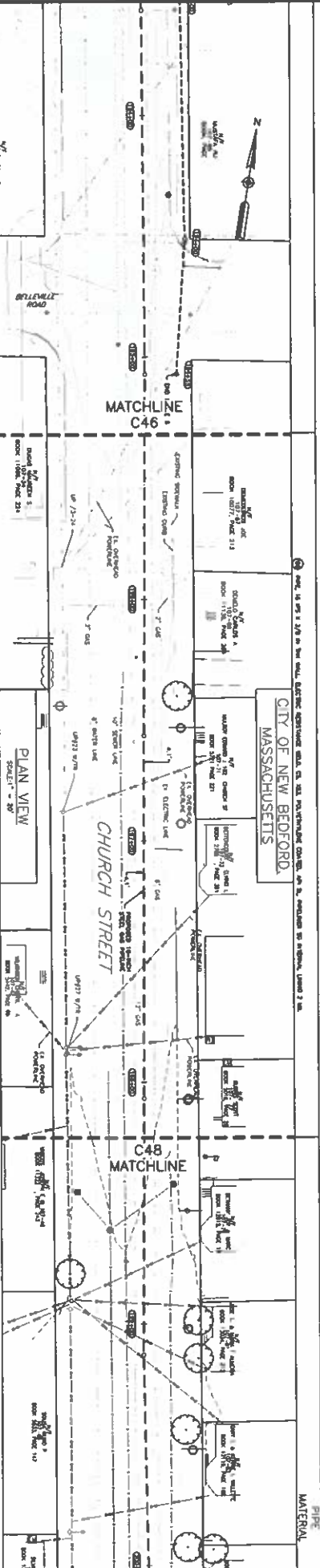
MA 21-PP-MEB-499-C47-ENG



PROFILE
VIEW
VERTICAL SCALE: 1" = 20'
HORIZONTAL SCALE: 1" = 20'



- 1) INSTALLATION TO BE IN ACCORDANCE WITH FORESIGHT BEST MANAGEMENT PRACTICES MANUAL AND EROSION CONTROL OPERATIONS AND MAINTENANCE MANUAL.
- 2) PERMANENT TRENCHES SHALL BE INSTALLED IN ACCORDANCE WITH MICRO-PIE DETAIL ON SHEET MA-PP-MEB-499-010. CONNECTIONS SHALL BE IN ACCORDANCE WITH MICRO-PIE DETAIL ON SHEET MA-PP-MEB-499-011 FOR SOME INFORMATION ON THE INSTALLATION OF PERMANENT CONNECTIONS.
- 3) PERMANENT TRENCHES SHALL BE INSTALLED ON THE DOWN-SLOPE SIDE OF EXISTING ROADWAY. SET APPROX. A OF EXISTING ROADWAY. SEE DETAIL ON SHEET MA-PP-MEB-499-011 FOR SOME INFORMATION ON THE INSTALLATION OF PERMANENT CONNECTIONS.
- 4) CONNECTION SHALL SHOW/PROTECT UTILITY DEPTH AS REQUIRED TO DETAIL. THE PROPOSED DETAIL.
- 5) ALL EXISTING NON-COMPLIANT WELDED STEEL SHALL BE REPLACED WITH AN AISC-COMPLIANT WELDED STEEL. SEE DETAIL ON SHEET MA-PP-MEB-499-011.



M M		REVISION FOR CONSTRUCTION	
No.	Description	Date	Drawn/Checked
0	ISSUED FOR CONSTRUCTION	07/12/20	PP/MB
PROJECT INFORMATION		PROJECT INFORMATION	
SHEET NO. 47 OF 48		SHEET NO. 47 OF 48	
PROJECT NAME: CHURCH STREET MAIN RELAY AND INSTALLATION		PROJECT NAME: CHURCH STREET MAIN RELAY AND INSTALLATION	
PROJECT LOCATION: NEW BEDFORD, MA		PROJECT LOCATION: NEW BEDFORD, MA	
SCALE: 1" = 20'		SCALE: 1" = 20'	
DRAWN BY: PP/MB		DRAWN BY: PP/MB	
CHECKED BY: MB		CHECKED BY: MB	
PROJECT NO.: MA-21-PP-MEB-499		PROJECT NO.: MA-21-PP-MEB-499	
SHEET NO.: 47 OF 48		SHEET NO.: 47 OF 48	



Nov 14, 2023 - 11 50am

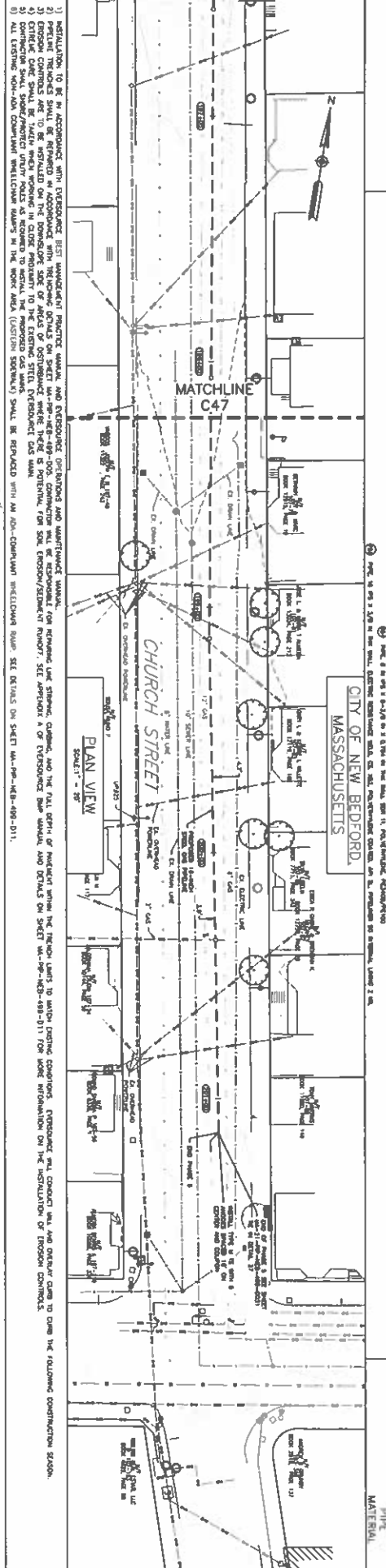
**PROFILE
VIEW**
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 20'



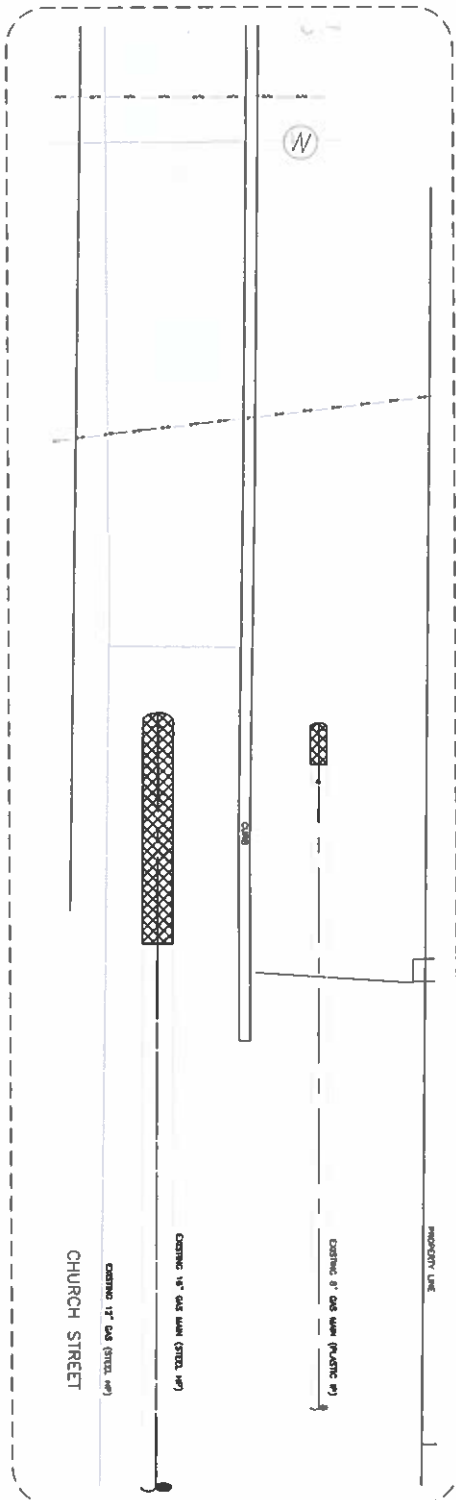
PLASTIC LINE

STEEL LINE

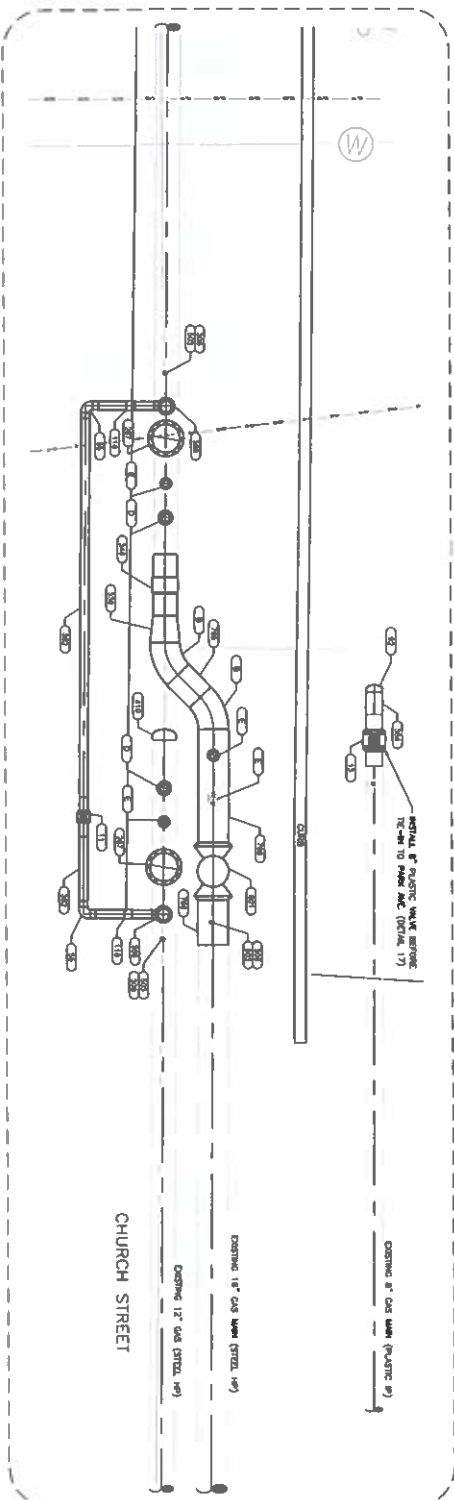
M M					
BEST QUALITY CONCRETE					
We supply, place, finish & cure all concrete.					
FIELD VERIFIED DIMENSIONS Prior to Final Fabrication					
No.	Description	Revision Status	Date	Revised By	Approved By
0	ISSUED FOR CONSTRUCTION		09/17/82	JAC	
EVERSURCE					
CHURCH STREET MAIN BEAM AND INSTALLATION					
NEW BEDFORD MA					
PROPOSED 6' X 10' IS PRELIMINARY - ALIGNMENT SHEETS					
SCALE 1" = 1'-0"	Drawn by JAC	Designed by JAC			
CHECKED BY JAC	APPROVED BY JAC				
SHEET NO. 1 OF 48					
DRAWING NUMBER					
MA-21-PREP-NB-B-49B-C-48					
0					



MATERIALS

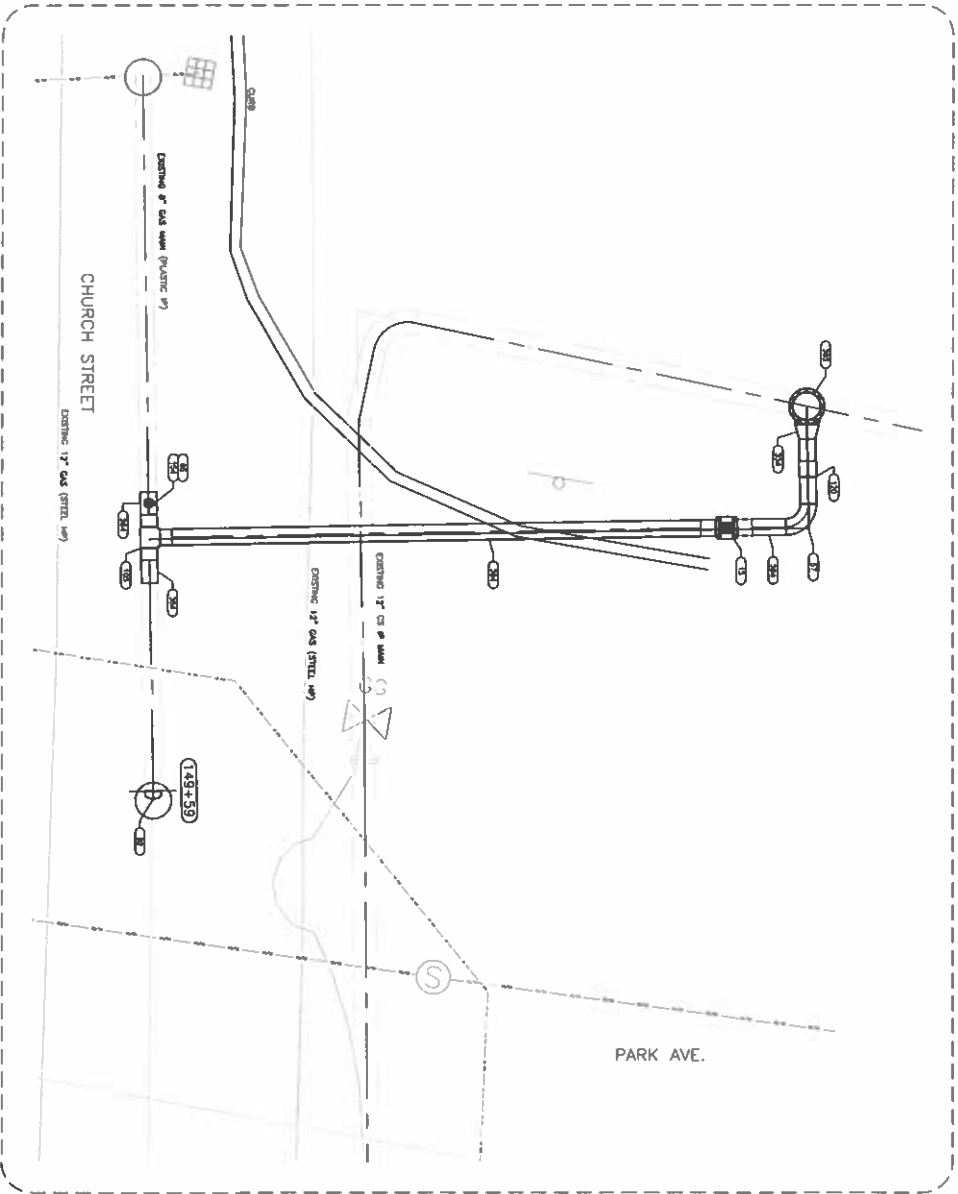


TIE-IN AT STA. 146+14 (16")
(EXISTING PIPING PREVIOUSLY INSTALLED AT INTERVAL TAIL CROSSING)
SCALE: 3/8"=1'-0"



TIE-IN AT STA. 146+14 (16")
(TIE-IN TO EXISTING PIPING PREVIOUSLY INSTALLED AT INTERVAL TAIL CROSSING)
SCALE: 3/8"=1'-0"

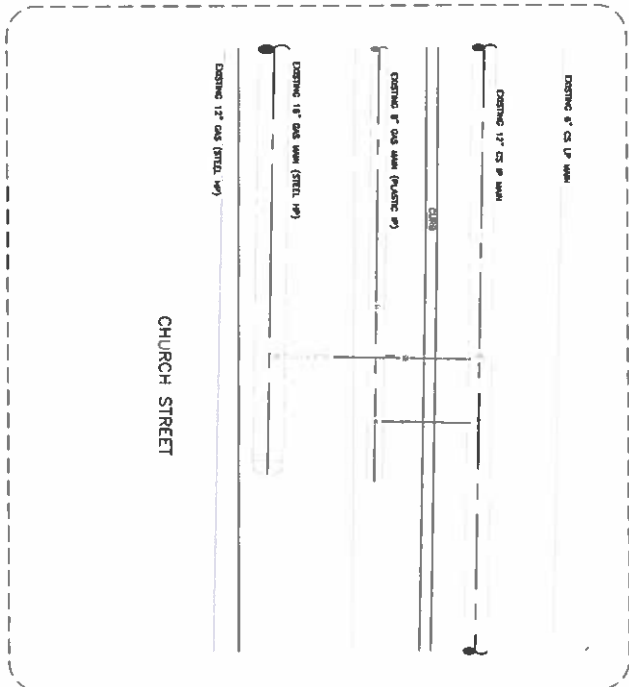
M M MONT MACDONALD		FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION		01/27/2021 10:41 AM DWG: 21-PFP-NEB-488-000	
Eversource Energy		CHURCH STREET MAIN RELAY AND INSTALLATION - NEW BEDFORD, MA		SHEET 1 OF 13	
Facility Details		Scale: AS SHOWN		0	
Revision/Status		Description		Date	
0		ISSUED FOR CONSTRUCTION		01/27/2021	



TIE-IN AT STA. 149+48 (8")

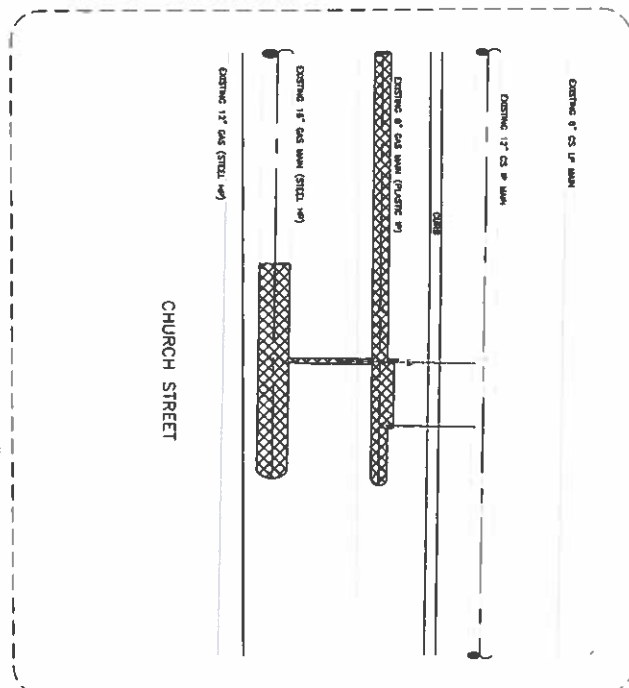
17

MOTT MACDONALD		FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION	
0 ISSUED FOR CONSTRUCTION		0	
No.	Description	Date	Drawn/Check
1	CHURCH STREET MAIN RELAY AND INSTALLATION - NEW BEDFORD RELAY	08/17/2021	JP/AM/080
EVERSOURCE ENERGY			
FACILITY DETAILS			
SCALE - AS SHOWN	SHEET 2 OF 13	0	
Drawn by: J. P. Mott	Checked by: J. P. Mott	MA-21-FP-NEB-400-0071	
Revised by: J. P. Mott	Revised by: J. P. Mott	08/17/2021	



TIE-IN AT STA. 150+96 (16')
(EXISTING PIPES PREVIOUSLY INSTALLED AT VARIOUS RAIL CROSSINGS)
SCALE: 3/8\"=1'-0"

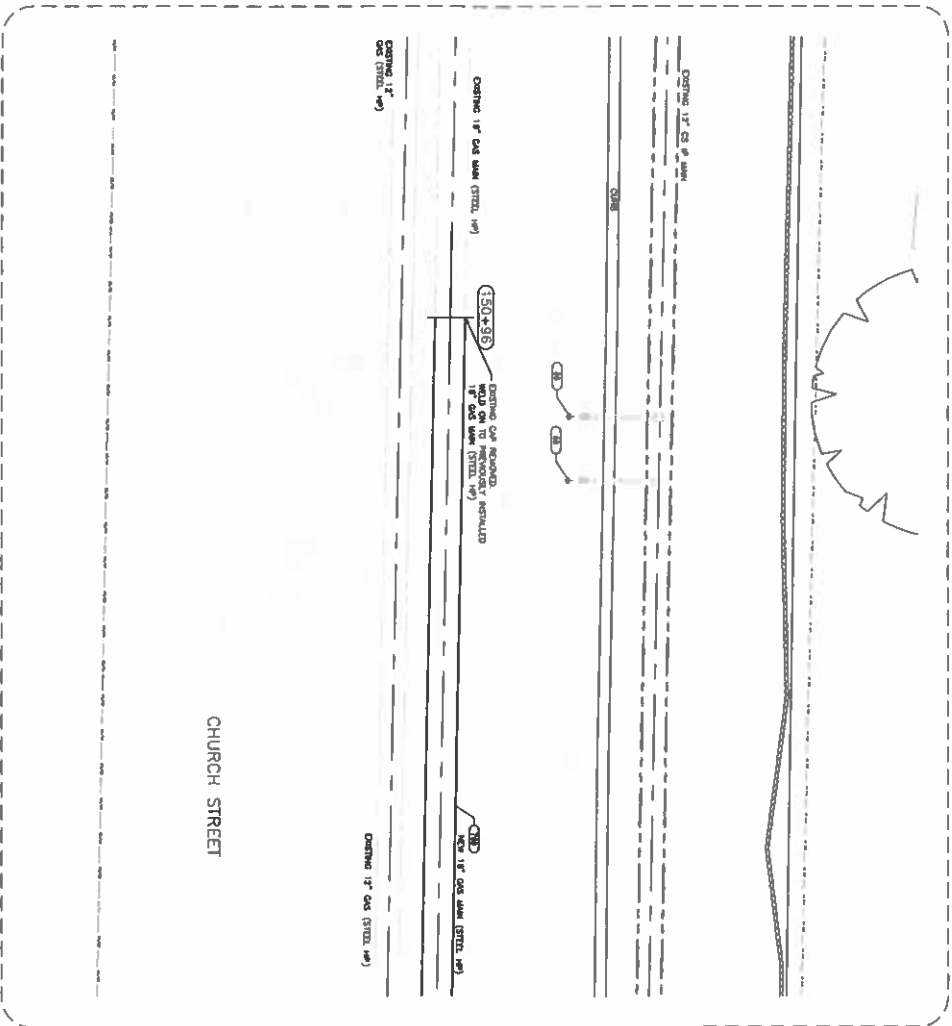
8A



TIE-IN AT STA. 150+96 (16')
(EXISTING PIPES PREVIOUSLY INSTALLED AT VARIOUS RAIL CROSSINGS)
SCALE: 3/8\"=1'-0"

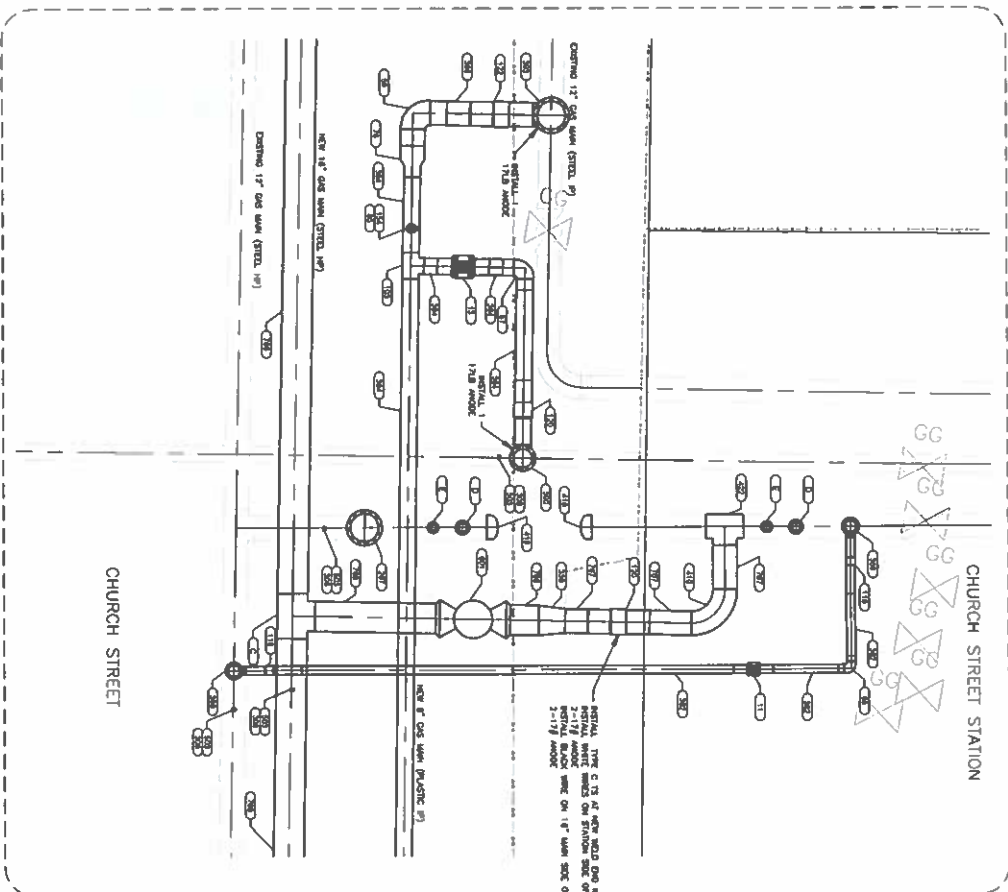
8B

M M NOT RECOMMENDED		FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION	
0 ISSUED FOR CONSTRUCTION		01/17/2023 RICHARD No. Description Date DWG/CL/S	
EVERSOURCE ENERGY		CHURCH STREET MAIN RELAY AND INSTALLATION - NEW BEDFORD RELAY	
NEW BEDFORD, MA		SHEET 3 OF 13	
SCALE: AS SHOWN		MA-21-P-NEB-489-0022	
0		0	



19

No.	ISSUED FOR CONSTRUCTION	04/07/2021 15:04:00:00		
0	Revision			
	Description	Date		
	Revised Status	Drawings		
EVERSOURCE ENERGY CHURCH STREET MAIN DECK AND INSTALLATION NEW RECORD PROJECT DETAILS				
SCALE AS SHOWN <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> Drawn By: JAC REVISIONS 0001 11/25/2020 0002 11/25/2020 0003 11/25/2020 0004 11/25/2020 </td> <td style="width: 50%; vertical-align: top;"> Checked By: JAC 0001 11/25/2020 0002 11/25/2020 0003 11/25/2020 0004 11/25/2020 </td> </tr> </table>			Drawn By: JAC REVISIONS 0001 11/25/2020 0002 11/25/2020 0003 11/25/2020 0004 11/25/2020	Checked By: JAC 0001 11/25/2020 0002 11/25/2020 0003 11/25/2020 0004 11/25/2020
Drawn By: JAC REVISIONS 0001 11/25/2020 0002 11/25/2020 0003 11/25/2020 0004 11/25/2020	Checked By: JAC 0001 11/25/2020 0002 11/25/2020 0003 11/25/2020 0004 11/25/2020			
SHEET 4 OF 13 <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> Drawn By: JAC 0001 11/25/2020 0002 11/25/2020 0003 11/25/2020 0004 11/25/2020 </td> <td style="width: 50%; vertical-align: top;"> Checked By: JAC 0001 11/25/2020 0002 11/25/2020 0003 11/25/2020 0004 11/25/2020 </td> </tr> </table>			Drawn By: JAC 0001 11/25/2020 0002 11/25/2020 0003 11/25/2020 0004 11/25/2020	Checked By: JAC 0001 11/25/2020 0002 11/25/2020 0003 11/25/2020 0004 11/25/2020
Drawn By: JAC 0001 11/25/2020 0002 11/25/2020 0003 11/25/2020 0004 11/25/2020	Checked By: JAC 0001 11/25/2020 0002 11/25/2020 0003 11/25/2020 0004 11/25/2020			

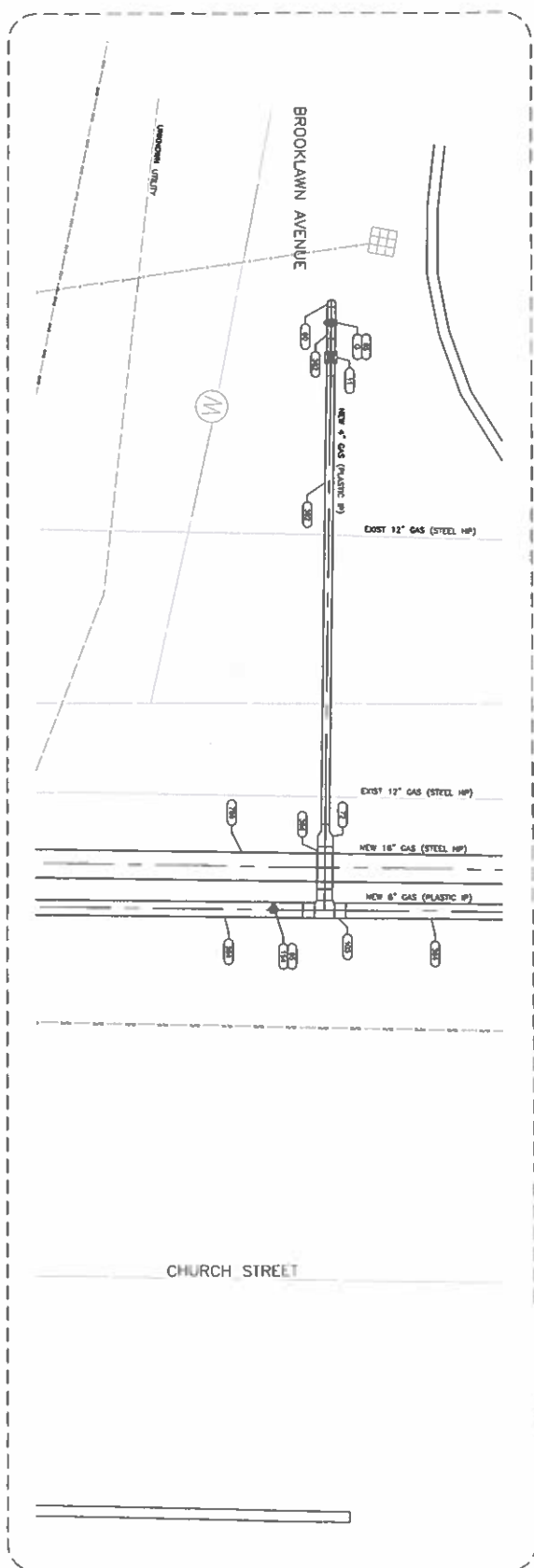


TIE-IN AT STA. 151+75 (8") AND 152+41 (16") (20)

(ORDINANCE ST. STATION 151+75)

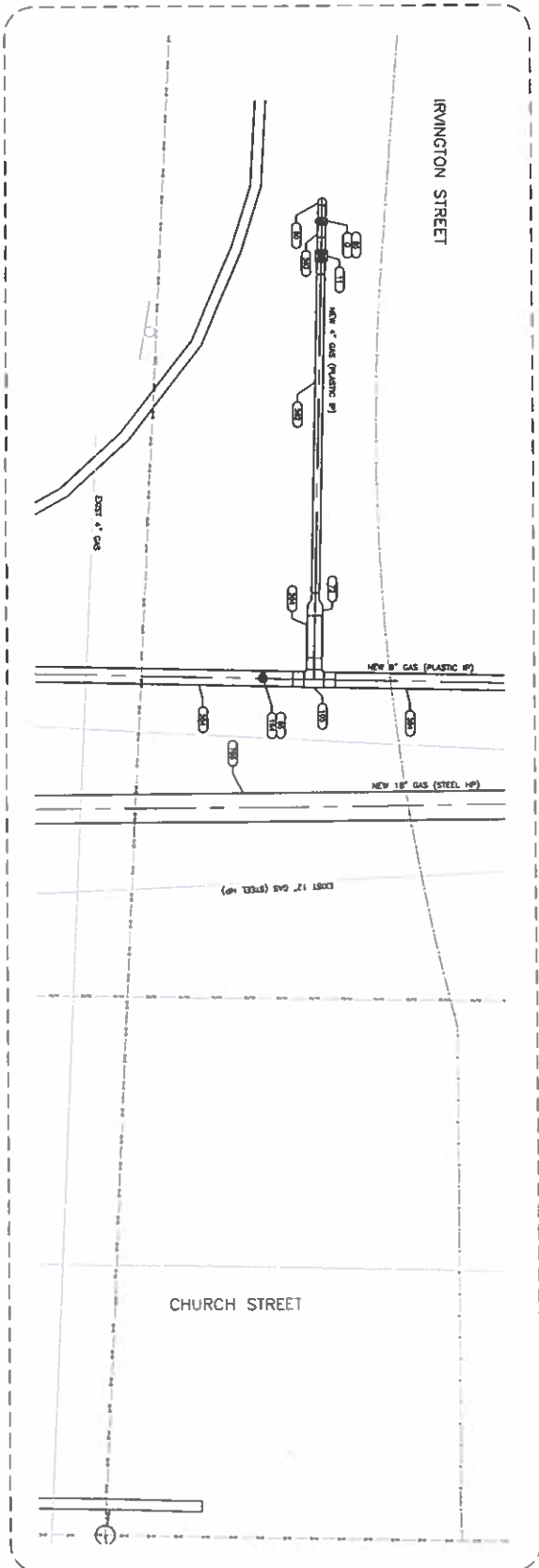
SCALE: 1/8"=1'-0"

M M	
WITT WITT	
MCDONALD MCDONALD	
FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION	
0 ISSUED FOR CONSTRUCTION	
REVISIONS	
CHURCH STREET STATION	
NEW BEDFORD, MA	
FACILITY DETAIL	
SCALE: AS SHOWN	
DATE: 11/15/2020	
DRAWN BY: MCDONALD	
CHECKED BY: MCDONALD	
MAINTENANCE: 0	



21

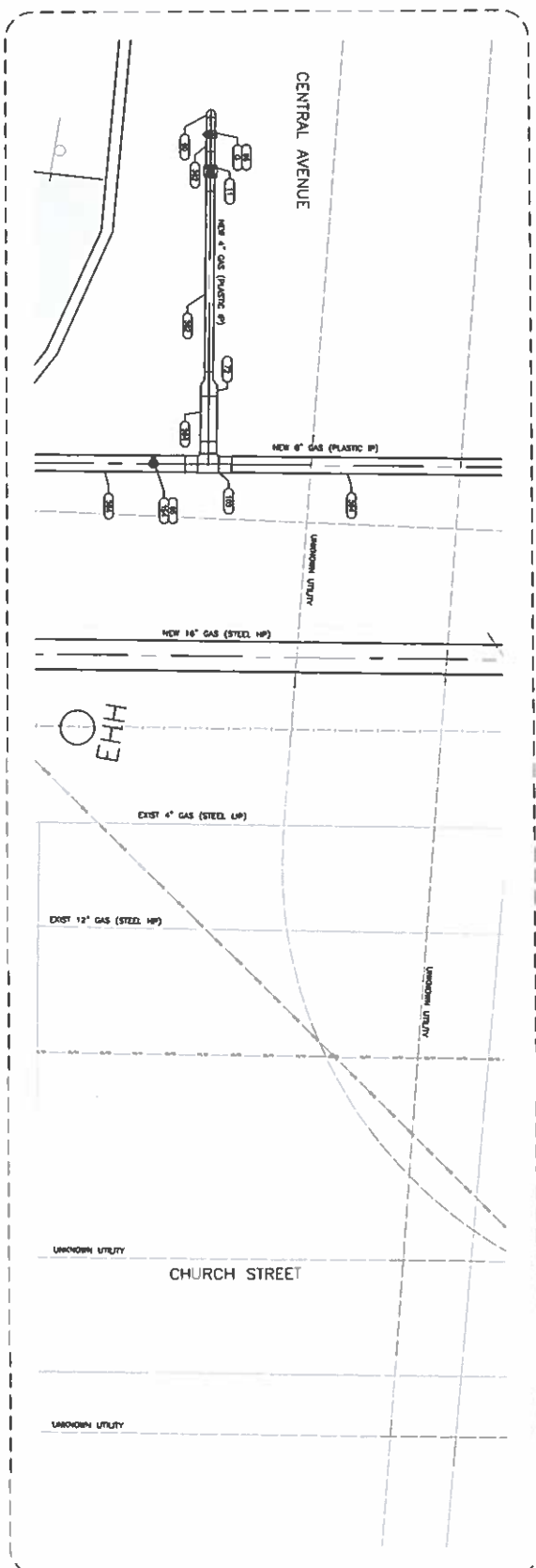
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SCALE AS SHOWN Date by (1/1/00) RBL/LJS/0002 CDD/1/25/0022		Revision/Status Description No.	
Issued by (1/1/00) RBL/LJS/0002 MDD/1/25/0022 MDD/1/25/0022		Date Date Date	
SHEET 4 OF 13 Sheet Number 0		03/17/00 1:45 PM AMO Date Date Date	
MA-1-PI-PH-004-0025		0	
CHURCH STREET MAIN RELAY AND INSTALLATION NEW BEDFORD, MA FACILITY DETAILS			



TIE-IN AT STA. 176+86 (8')
(CONNECTION STREET NEW 4" PLASTIC PIPING STUD)
SCALE: 1/8"=1'-0"

22

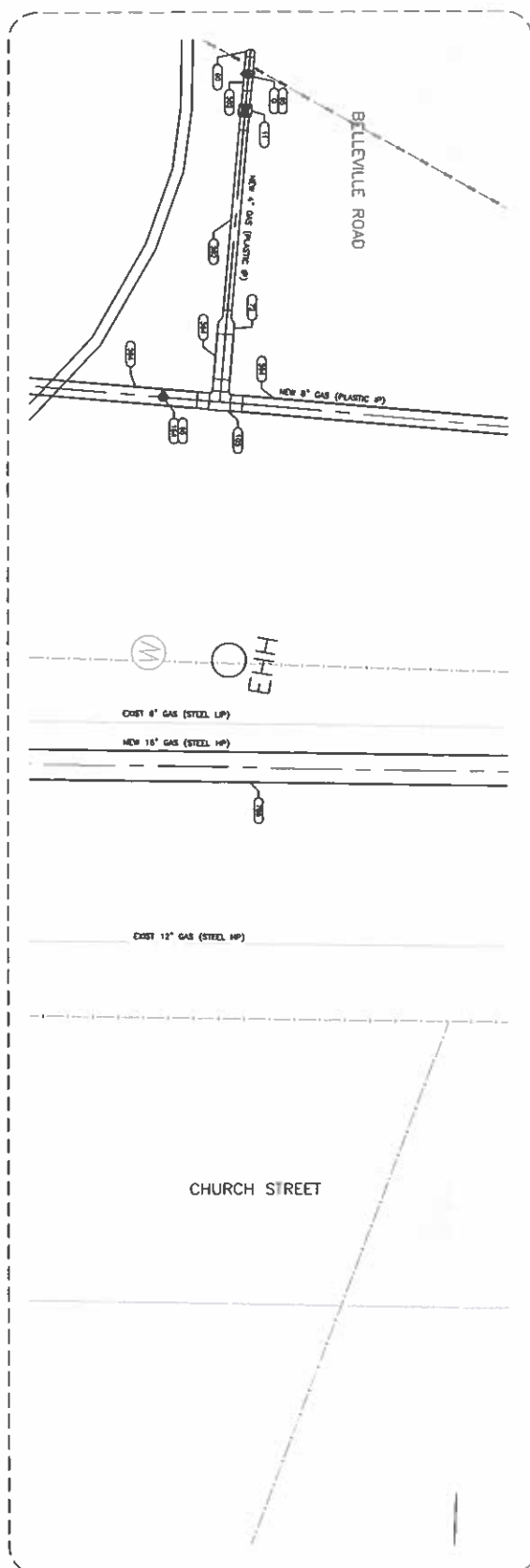
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No.		Description		Date		DWG/REV	
1		CHURCH STREET MAIN RELAY AND INSTALLATION		JULY 17, 2020		JULY 17, 2020	
2		FACILITY DETAILS		JULY 17, 2020		JULY 17, 2020	
3		NEW RELAY ORG. MA		JULY 17, 2020		JULY 17, 2020	
4		SCALE: AS SHOWN		JULY 17, 2020		JULY 17, 2020	
5		DATE: 10/26/2022		DATE: 10/26/2022		DATE: 10/26/2022	
6		SHEET 7 OF 13		SHEET 7 OF 13		SHEET 7 OF 13	
7		EVS-21-P9P-NEB-009-000		EVS-21-P9P-NEB-009-000		EVS-21-P9P-NEB-009-000	
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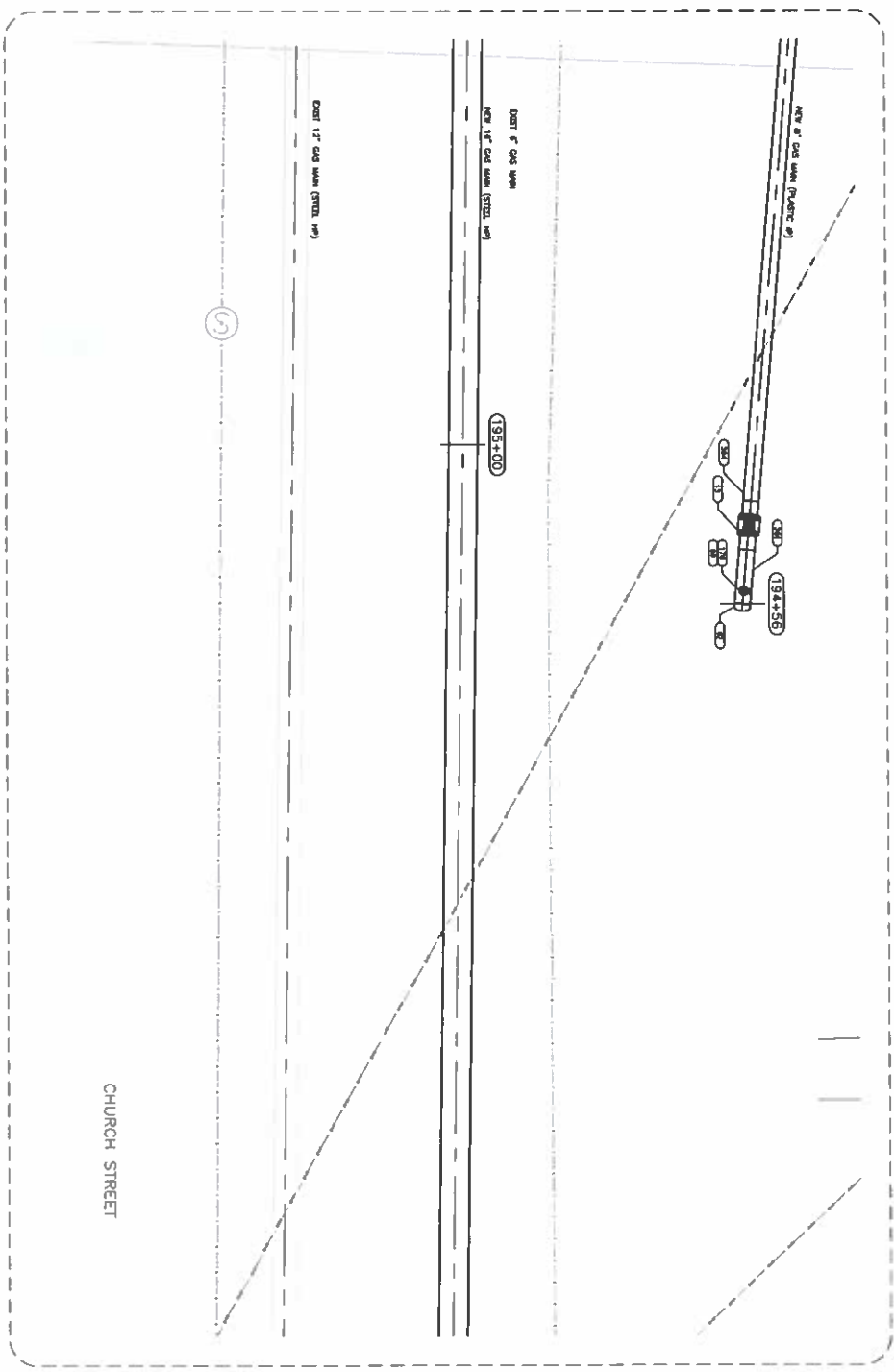
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**FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION**

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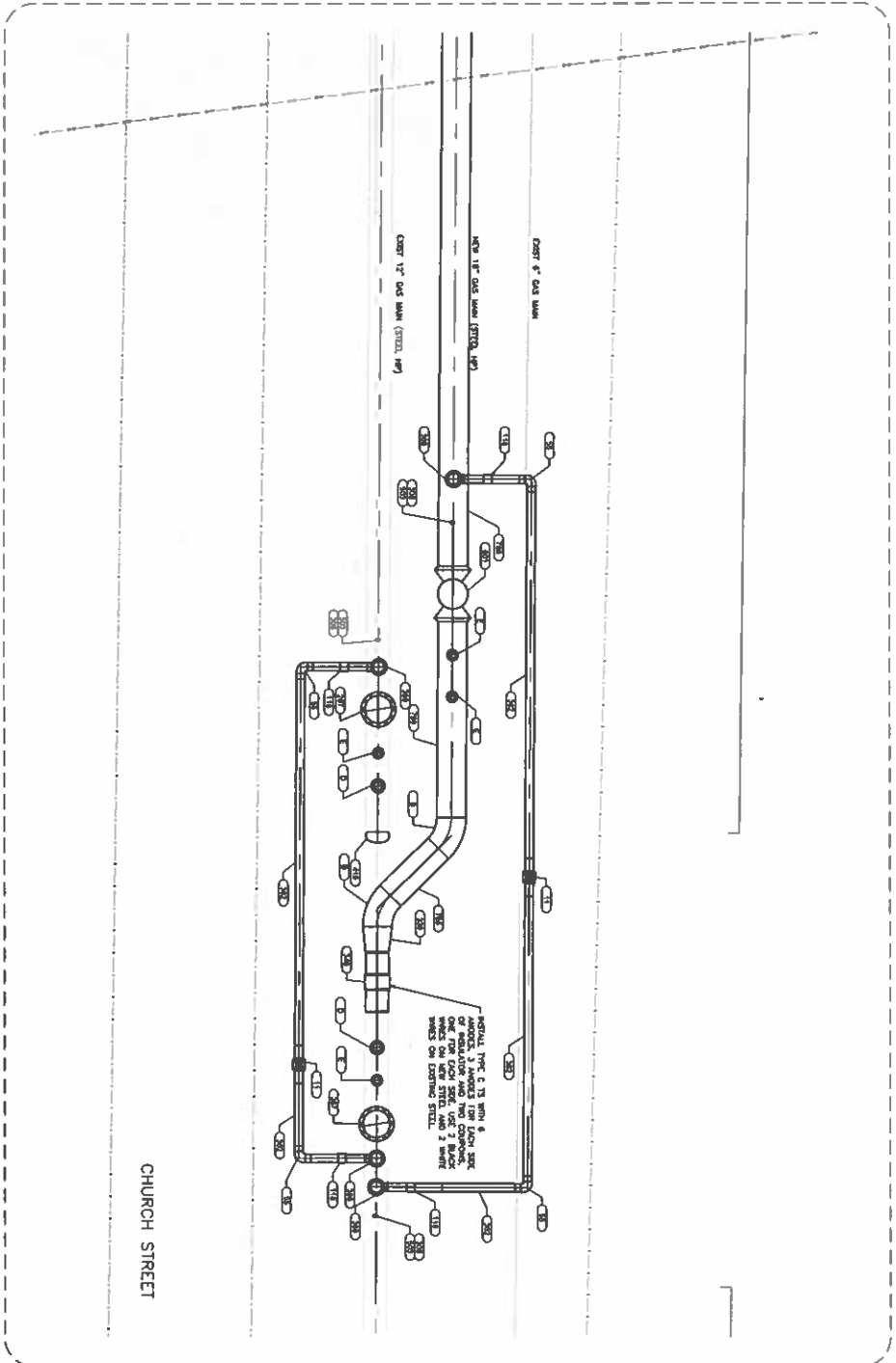


		FIELD VERIFY DIMENSIONS PRIOR TO PIPE INSTALLATION	
0 ISSUED FOR CONSTRUCTION		007/2023 R/W/10000	
No.	Description	Date	Drawn By
NEW/NOT SURVE EVERSOURCE CHURCH STREET MAIN RE-PAVING AND NEW REEDCO MA			
FACILITY DETAILS			
SCALE AS SHOWN Drawn By: J. G. GORDON REV 11/15/2020 DWG 11/15/2020 08017125-0022		SHEET 110 OF 13 Design: J. G. GORDON 104-1-19P-463-000-0103 0	



TIE-IN AT STA. 194+56 (8")
(26)
SCALE: 1/8"=1'-0"

M M MKT MCDONALD		FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION	
0 ISSUED FOR CONSTRUCTION		0	
Description		Date	
Revision/Status		Date	
Eversource Energy		SHEET 11 OF 13	
CHURCH STREET MAIN RELAY AND INSTALLATION		Sheet Number	
NEW BEDFORD, MA		Proj. No.	
FACILITY DETAILS		0	
SCALE: AS SHOWN		144-21-PIP-NFB-488-000	
DATE: 07/15/2020		MAINTENANCE	
DRAWN BY: JLD		06011105-002	



TIE-IN AT STA. 201+14 (16")
27

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

0 ISSUED FOR CONSTRUCTION		01/17/2021		JRM/AMG	
No.	Description	Date	Drawn By	Check By	Scale
0	CHURCH STREET MAIN RELAY AND INSTALLATION	01/17/2021	JRM	AMG	1/4"=1'-0"
REVISIONS					
MOTT MACDONALD					
FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION					
SCALE - AS SHOWN					
SHEET 12 OF 13					
CHURCH STREET MAIN RELAY AND INSTALLATION					
NEW BEDFORD, MA					
FACILITY DETAILS					
MAINTENANCE					
0					

[illegible]

- **RELEASE DRAINAGE**
FOR COILS
- **POCKET/DOOR SEAL**
TYPE IS STANDARD
- **CHANGELINE MESSAGE SIGN**
ARROW BOARD
- **WORK ZONE**
- **SECTION OF TRAILING**

WORK VEHICLE

TRUCK MOUNTED ATTACHMENT

TRAILING OR INTERMEDIATE SIGNAL

BEAM

WORK ATTACHMENT

MESSAGE BOARD

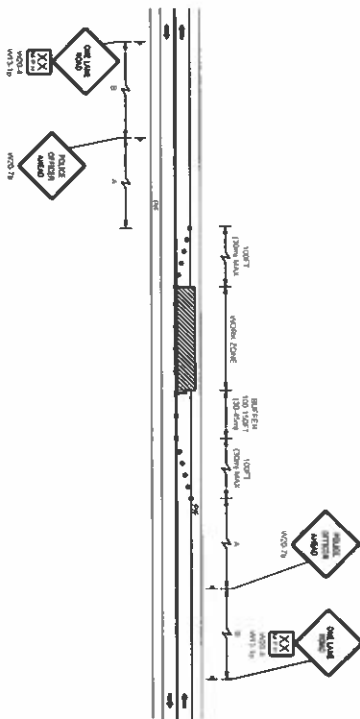
MESSAGE BOARD WITH MESSAGES

	DISTANCE BETWEEN BEAMS **		
	A	B	C
LOCAL DATA ON VOLUME ESTIMATION	360 x 1050	360 x 1050	360 x 1050
MODEL OTHER FOLLOW-UP	900 x 1700	900 x 1700	900 x 1850
FIVE MIN AND FIVE SECONDS	1 000 0000.	1 500 1000.	2 400 0000.

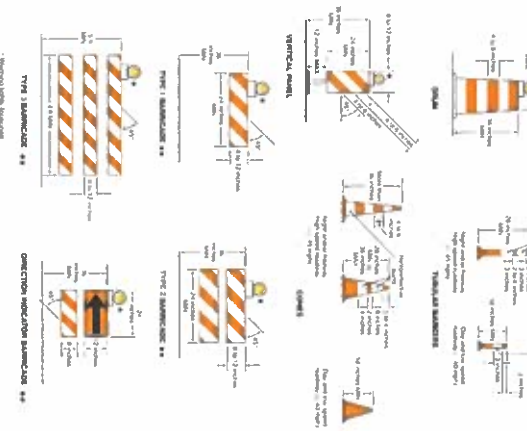
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**FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION**

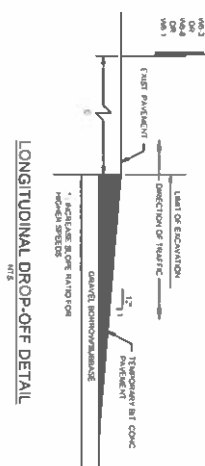
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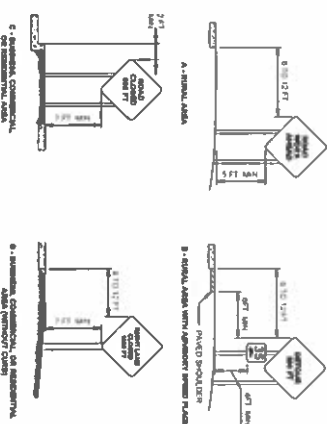
Page 40/40

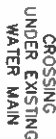


CHANNELIZING DEVICES

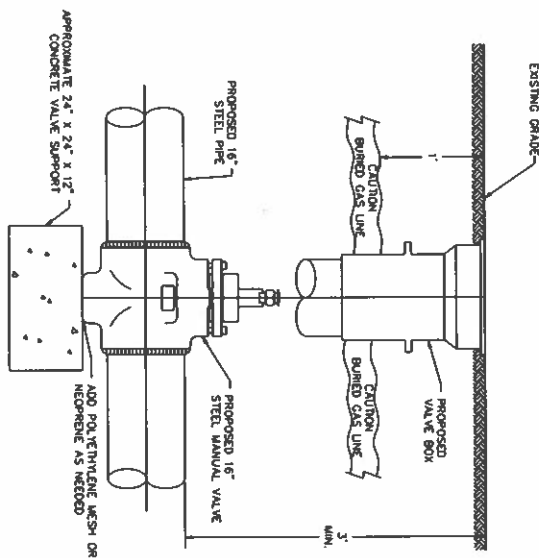


SIMS

[illegible][illegible]

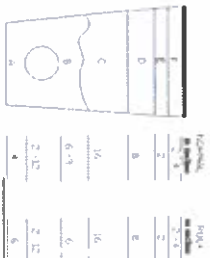


1. MINIMUM PERCENT COVER IS 36% IN TYPICAL AREAS, SEE PROJECT DIMENSIONS FOR MORE INFORMATION ON AREAS WHERE DEPTH OF COVER IS GREATER THAN 36%.
2. PORE DRAINING SHALL BE SAND OR ROCK FREE SLOES AND ROADS LARGER THAN 3/8" DIAMETER.
3. IN NATURAL RESOURCE AREAS, DRAINAGE SHALL BE SAME MATERIAL AND SHALL MATCH PROFILE DEPTH OF ADJACENT NATIVE, UNDISTURBED SOIL.
4. IN AREAS OF 12" OR GREATER DEPTH, DRAINAGE SHALL BE 1/2" HORIZONTAL AND VERTICAL SEPARATION FROM ALL EXISTING UTILITIES, 3/4" SEPARATION PREFERRED.
5. BACULI SHALL BE COMPACTED IN 12" LIFTS IN ACCORDANCE WITH EVERGREEN STANDARDS.
6. ALL TYPICAL CONSTRUCTION SHALL CONFORM TO CITY OF BOULDER ROADWAY MAINTENANCE PRACTICES.
7. ALL TYPICAL CONSTRUCTION SHALL CONFORM TO CITY OF BOULDER ROADWAY MAINTENANCE PRACTICES.
8. FINISH PAVL RESTORATION OF THE ROAD SHALL BE COORDINATED WITH THE CITY OF NEW BEDFORD AND WILL BE COMPLETED PRIOR EASTERN DRIVE DUE TO CONTINUITY OF ROAD.



1. CONTRACTOR TO FURNISH ALL MATERIALS.
2. CONTRACTOR SHALL PREPARE AND INSTALL ALL FITTINGS AND PIPE WHICH WILL COME IN CONTACT WITH THE CONCRETE.
3. CONTRACTOR SHALL WELD ALL FITTINGS AND PIPE TO THE CONCRETE.
4. CONTRACTOR SHALL WELD ALL FITTINGS AND PIPE WITH "NICKERLESS" OR "TUFF-N-TUFF" PROTECTED" OR EQUAL POLYETHYLENE MESH.
5. CONTRACTOR SHALL POUR CONCRETE TO GRADELINE OF THE CONCRETE PAVING.
6. CONTRACTOR SHALL NOT POUR CONCRETE UNTIL THE CONCRETE HAS CURED (7-DAY MINIMUM).
7. ROAD FORMWORK SHALL NOT BE REQUIRED UNLESS THE DO-DRAINING OF SOILS AND CONCRETE WILL BE MINIMIZED.
8. CONTRACTOR SHALL VERIFY THAT THE CONCRETE HAS A SUFFICIENT CURE.
9. THE CONCRETE SUPPORT BLOCK IS NOT DESIGNED FOR INTENDED FOR USE AS A THRUST BLOCK.

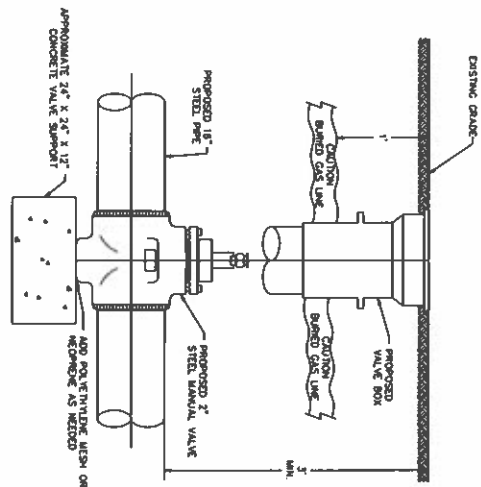
2 PROPOSED 16" MANUAL VALVE (STEEL)
NOT TO SCALE



- ITEM**
A - Sand Padding
B - Sand Padding as Backfill
C - Replacement Fill / Suitable Backfill
D - Cover
E - Processed Aggregate
F - Road Repair

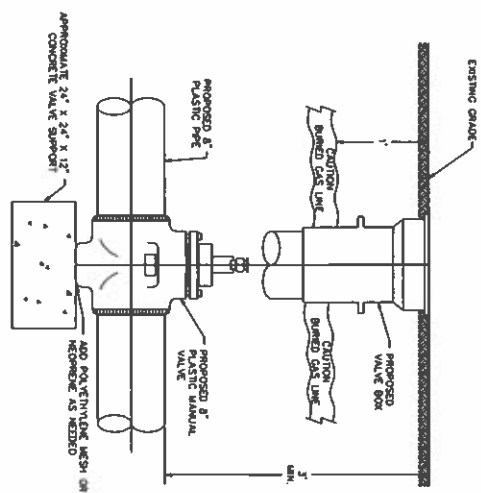
1 OPEN CUT TRENCHING
NOT TO SCALE

FIELD VERIFY DIMENSIONS PRIOR TO THE FABRICATION		M M NOT RECOMMENDED	
EVERSOURCE Renewable Services ENERGY			
PHILIPS ROAD MAIN RELAY AND INSTALLATION NEW BEDFORD MA			
NEW BEDFORD MA			
TYPICAL DETAILS			
SCALE N.T.S.		SHEET 1 OF 7	
Drawn by: J. L. L. L.	Designed by: J. L. L. L.	Sheet Number	Drawn by
453.17.22.0000	MMW.17.22.2002	0	0
MMW.17.22.2002	MMW.17.22.2002	0	0
0807.17.22.2002	0807.17.22.2002	0	0



1. CONTRACTOR TO FURNISH ALL MATERIALS.
 2. CONTRACTOR SHALL CLEAN, COMB, AND WELD ALL FITTINGS AND PIPES WHICH WILL COME IN CONTACT WITH THE CONCRETE.
 3. CONTRACTOR SHALL WELD THE FITTINGS AND PIPES WITH "ELECTRODE" OR "TIG" WELD ROOFED OR ON EQUAL POLYETHYLENE.
 4. CONTRACTOR SHALL WELD THE FITTINGS AND PIPES WITH "ELECTRODE" OR "TIG" WELD ROOFED OR ON EQUAL POLYETHYLENE.
 5. CONTRACTOR SHALL FILL POOL CONCRETE TO CONTRIBUTE TO THE CONCRETE.
 6. THE CONTRACTOR SHALL NOT PLACE AGGREGATE ON TOP OF THE CONCRETE UNTIL THE CONCRETE HAS CURED (7-DAY MINIMUM).
 7. THE CONTRACTOR SHALL NOT REINFORCE THE CONCRETE WITH REINFORCING BARS OR REINFORCING CEMENT.
 8. THE CONCRETE SUPPORT BLOCK IS NOT DESIGNED FOR USE AS A TRANSIT BLOCK.
1. PROPOSED 2" MANUAL VALVE (STEEL)
- NOT TO SCALE

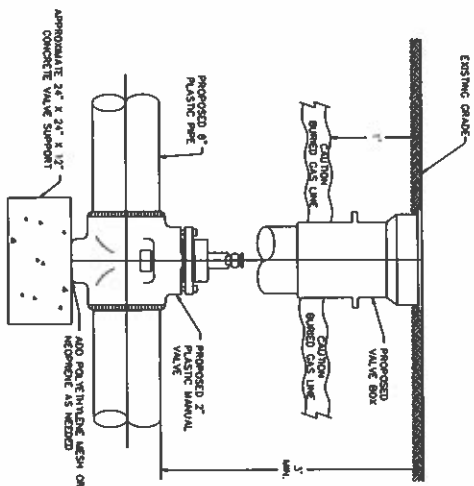
1 PROPOSED 2" MANUAL VALVE (STEEL)
NOT TO SCALE



1. CONSTRUCTION TO ACHIEVE ALL MATERIALS.
 2. CONSTRUCTION SHALL CLEAN, COAT, AND WELD ALL FITTINGS AND PIPE WHICH WILL COME IN CONTACT WITH THE CONCRETE.
 3. CONSTRUCTION SHALL WELD THE FITTINGS AND PIPE WITH "ELECTRODE" OR "TIG" WELDING PROCESS OR EQUAL POLYETHYLENE.
 4. CONSTRUCTION SHALL WELD THE FITTINGS AND PIPE WITH "ELECTRODE" OR "TIG" WELDING PROCESS OR EQUAL POLYETHYLENE.
 5. THE CONSTRUCTION SHALL NOT PLACE BLOCKS ON TOP OF THE CONCRETE UNIT. THE CONCRETE HAS CURED (7-DAY MINIMUM).
 6. REINFORCING SHALL NOT BE REINFORCED UNLESS THE CONCRETE IS CURED (7-DAY MINIMUM).
 7. REINFORCING SHALL NOT BE REINFORCED UNLESS THE CONCRETE IS CURED (7-DAY MINIMUM).
 8. THE CONCRETE SUPPORT BLOCK IS NOT DESIGNED NOR INTENDED FOR USE AS A TENSILE BLOCK.
- (2) PROPOSED 8" MANUAL VALVE (PLASTIC)
- NOT TO SCALE

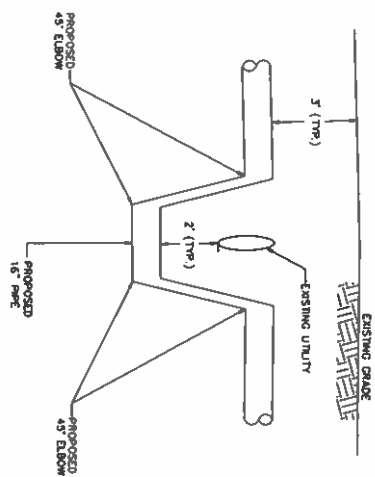
2 PROPOSED 8" MANUAL VALVE (PLASTIC)
NOT TO SCALE

[illegible]



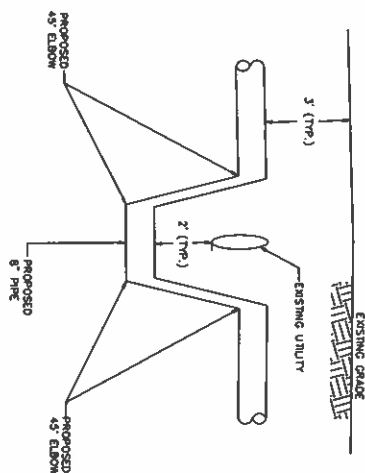
1. CONTRACTOR TO FINISH ALL MATERIALS.
2. CONTRACTOR SHALL COMPLY WITH ALL ATTACHES AND PART WHICH WILL COME IN CONTACT WITH THE CONCRETE.
3. CONTRACTOR SHALL, PRIOR TO THE POURING OF CONCRETE, OBTAIN APPROVAL OF THE ARCHITECT FOR ALL JOINTS, REINFORCING, AND JOINTS.
4. CONTRACTOR SHALL POUR CONCRETE TO CEILING OF THE ADDITIONAL PART.
5. THE CONCRETE SHALL BE PLACED IN A SINGLE LAYER.
6. THE CONCRETE SHALL BE PLACED IN A SINGLE LAYER.
7. THE CONCRETE SHALL BE PLACED IN A SINGLE LAYER.
8. THE CONCRETE SHALL BE PLACED IN A SINGLE LAYER.
9. THE CONCRETE SHALL BE PLACED IN A SINGLE LAYER.
10. THE CONCRETE SHALL BE PLACED IN A SINGLE LAYER.

1 PROPOSED 2" MANUAL VALVE (PLASTIC)
NOT TO SCALE



- NOTES:
1. PROPOSED PIPE SHALL MAINTAIN A MINIMUM OF 12" VERTICAL CLEARANCE FROM EXISTING UTILITY (2' CLEARANCE PREFERRED).

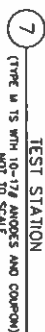
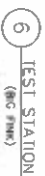
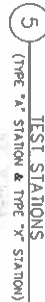
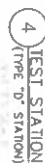
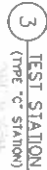
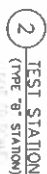
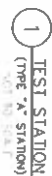
2 EXISTING UTILITY OFFSET CROSSING - 16" PIPELINE
NOT TO SCALE



- NOTES:
1. PROPOSED PIRE SHALL MAINTAIN A MINIMUM OF 12" VERTICAL CLEARANCE FROM EXISTING UTILITY (2" CLEARANCE PREFERRED).

3 EXISTING UTILITY OFFSET CROSSING - 8" PIPELINE
NOT TO SCALE

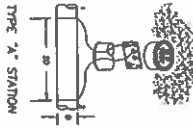
[illegible]

[illegible]

DATE: 02/23/2010

CS-500
Generation Control

1
Type "A" Station



1
TEST STATION
(TYPE "A" STATION)
SEE TYPE "A" STATION

2
TYPICAL STRAW BALE & SILT FENCE

STRAW BALE SEDIMENT BARRIERS, SEE DETAIL 2 ON SHEET MA-21-PP-MEB-499-009
REINFORCED SILT FENCE WITH WIRE MESH, SEE DETAIL 2 ON SHEET
MA-21-PP-MEB-499-009.

PLAN VIEW

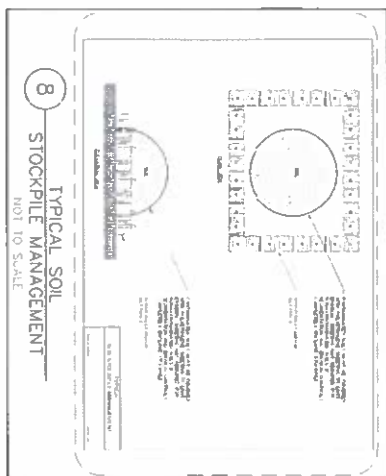
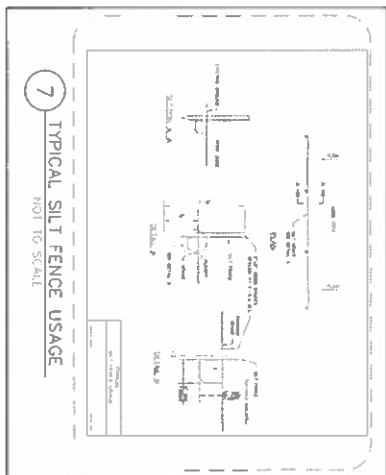
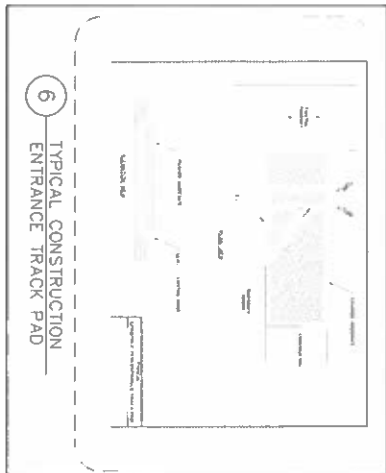
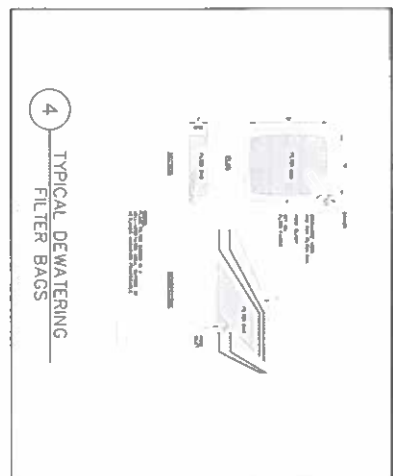
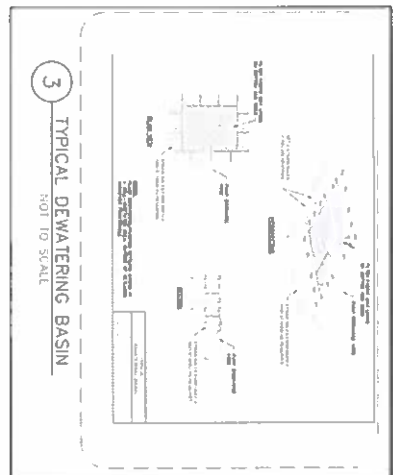
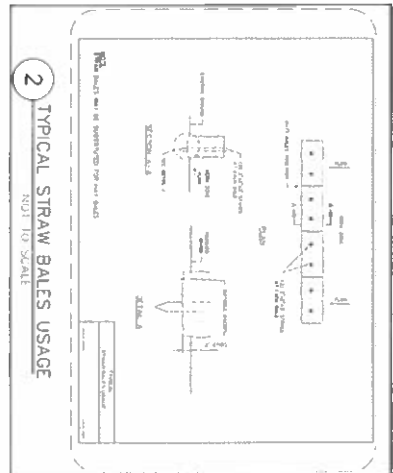
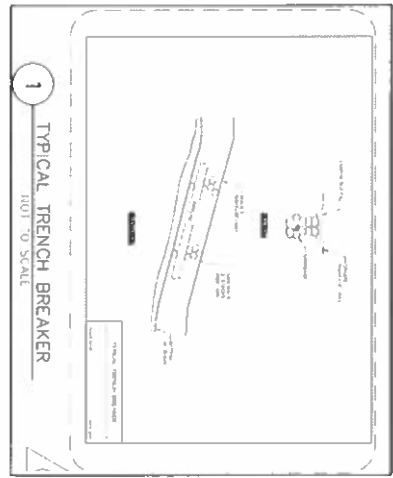


ELEVATION VIEW



3
CATCH BASIN/INLET PROTECTION WITHIN
PAVED ROAD SURFACE SEDIMENT FILTER
FABRIC AND FILTER BASKET

M M NOT RECOMMENDED		FIELD VERIFIED DIMENSIONS PRIOR TO PIPE INSTALLATION
SCALE: 1" = 10'-0"		DATE: 02/23/2010
PROJECT: NEW BEDFORD MA		PROJECT NO: MA-21-PP-MEB-499-010
SHEET: 5 OF 7		0
EVERSOURCE		
NEW BEDFORD MA		
PROJECT NO: MA-21-PP-MEB-499-010		
SHEET: 5 OF 7		
0		



FIELD VERIFY DIMENSIONS PRIOR TO PIPE FABRICATION		 M M MONT MACDONALD	
SCALE 1" = 1'-0" DATE 12/17/2002 JOB# 0017777002 DRAWN BY TMM CHECKED BY MBE99		PROJECT# 1000000000 NAME 1/25/2002 MA-21-PI-PEN-B-495-D11	
SHEET 6 OF 7 DATE 12/17/02 BY TMM CHECKED BY MBE99		DATE 12/17/02 BY TMM CHECKED BY MBE99	

