

Public Facilities Committee Agenda

City of Newton In City Council

Wednesday, November 17, 2021

The Public Facilities Committee will hold this meeting as a virtual meeting on Wednesday, November 17, 2021 at 7:00 pm. To view this meeting using Zoom use this link: https://us02web.zoom.us/j/89566472141 or call 1-646-558-8656 and use

the following Meeting ID: 895 6647 2141

Item Scheduled for Discussion:

Public Hearing

#416-21

Petition for Grant of Location in Wells Ave

ROSCITI CONSTRUCTION COMPANY/CROWN CASTLE petitioning for a grant of location to install 267' + of 1.5" pcv pipe for telecommunications from the handhold on the northeast side of Wells Avenue to a proposed handhold in front of #145 Wells Avenue then running easterly to the building at #145 Wells Avenue. (Ward 8)

Public Hearing

#415-21

Request for a grant of location in Commonwealth Ave, Mary Ellen and Evelyn Rd NATIONAL GRID petition for a grant of location to install and maintain gas main in Commonwealth Ave, Mary Ellen Road and Evelyn Road as follows:

- 830' <u>+</u> of 8" plastic main in Commonwealth Avenue from the existing 12" cast iron main at #1324 Commonwealth Avenue to the intersection of Fuller Street and Evelyn Road to replace 60' + of 12" cast iron and , 425' + of 8", cast iron
- 1760' <u>+</u> of 8" plastic main in Evelyn Road from the intersection of Commonwealth Avenue and Fuller St to replace 1135' <u>+</u> of 6" bare steel main and 625' <u>+</u> 4" bare steel main
- 1395' ± 4" plastic main in Mary Ellen Road from #119 Evelyn Road to #175 Evelyn Road to replace 1395' ± of 4" bare steel main (Wards 3 & 5)

Chair's Note: The Committee will receive an update from the Department of Public Works on the MS4 requirements.

Respectfully submitted,

Alison M. Leary, Chair

The location of this meeting is accessible and reasonable accommodations will be provided to persons with disabilities who require assistance. If you need a reasonable accommodation, please contact the city of Newton's ADA Coordinator, Jini Fairley, at least two business days in advance of the meeting: jfairley@newtonma.gov or (617) 796-1253. The city's TTY/TDD direct line is: 617-796-1089. For the Telecommunications Relay Service (TRS), please dial 711.

RECEIVED Newton City Clerk

2021 NOV -8 AM 10: 21

CITY OF NEWTON MASSACHUSETTS

PETITION for GRANT OF LOCATION

To the Petitioner:

City of Newton Ordinance Section 23-52 requires that each petition for grant of location be submitted to the City Council before it is sent to the Public Works Department for a preliminary review. The comments of the Public Works Commissioner will be part of the record submitted to the City Council. Upon filing with the City Council, the petition will be scheduled for a public hearing before the Public Facilities Committee of City Council. The petitioner is responsible for insuring that the petition is complete and all required materials are in order for review. Attached please find the City Engineer's Standard Requirements for Plans and the Department of Public Works Permit Processing brochure.

Grant of Location Process:

- 1. Applicant submits completed Petition Form and required materials to the City Council
- 2. Public Works Department conducts preliminary review and gives written comments to the applicant
- 3. Engineering Division files Petition Form with comments with the Clerk of the City Council
- 4. City Council schedules petition for a public hearing before the Public Facilities Committee of the City Council
- 5. Public Facilities Committee recommendations are forwarded to the City Council for a final decision

Questions may be directed to:

Lou Taverna, City Engineer, 617-796-1020 Cassidy Flynn, Clerk of the Public Facilities Committee 617-796-1213

I. IDENTIFICATION (Please Type or Print Clearly)	
Company Name: Rosciti Construction Company, LLC.	
	,
Address: 123 King Philip Street, Johnston, RI 02919	
Phone Number; (401) 480-5016	Fax Number (401) 351-7777
Contact Person/ Harry DeLuca	Title: Project Coordinator
4	
Signature () Mun	Date 11 8 2
Person filing application	
	(
If a telecommunications company, indicate how certified by	the Department of Telecommunications and
Energy:	

II																			

A. Write here or attach a description of the project including, location, proposed time frame for completion, type of materials to be used, benefit provided to the City, project mitigation plan as applicable, street reconstruction plan including timetable for completion.

Installing 1.50" telecommunications from HH on NE side of Wells Avenue, running approx. 267' to a proposed HH installation on same side of Wells Avenue. Then coming out from proposed HH running dir. Easterly to bldg. #145 Wells Avenue. Majority of work to be performed behind curb with the exception of working around handicap ramps straddling around (1) driveway then coming back behind the curb.

B. Include or attach a sketch to provide a visual description of the project. If plans are attached, provide: Title of Plan: Proposed Conduit Installation 145 Wells Avenue, Newton Date of plan: 08/2021 PE Stamped

HI. PUBLIC WORKS	DEPARTM	ENT REVIE	Value of the state			
Date received by Public W	**************************************	0.00 (•
Check One: Minor Project	d	Major Project		Lateral		
(Refer to City Engi	neer <u>Standard R</u>	equirements for P	lans for definitio	n of minor and	l major proje	ect)
Plans Submitted; Certified Plot Plan		Stamped Plans				•
DATE AND COMMENT	S:		RECOMMEND	ATIONS:	,	
This is a revised alignment submitted GOL application. Council the contractor of re Sidewalk Crossing and Tre prior to installation. Pedestr accommodated for the durant statement and the statement of the statem	Once approved cord shall obtain nch Permits from access shall ation per DPW s	d by the na	hn Daghlian wember 8, 202	, Associate 1	Cily Engi	neer _
All restoration shall be to completion an as built plan Engineering in a PDF formation	shall submitted	to				
V. RECOMMENDAT	TON TO PU	BLIC FACILI	TIES COMM	ittee:	and the state of t	
Shawna Sullivar	Digitally signed by S Date: 2021.11.08 11:	hawna Sullivan 31:57 -05'00'				
Commissioner Public Wor	ke		Da	te		

Commissioner, Public Works

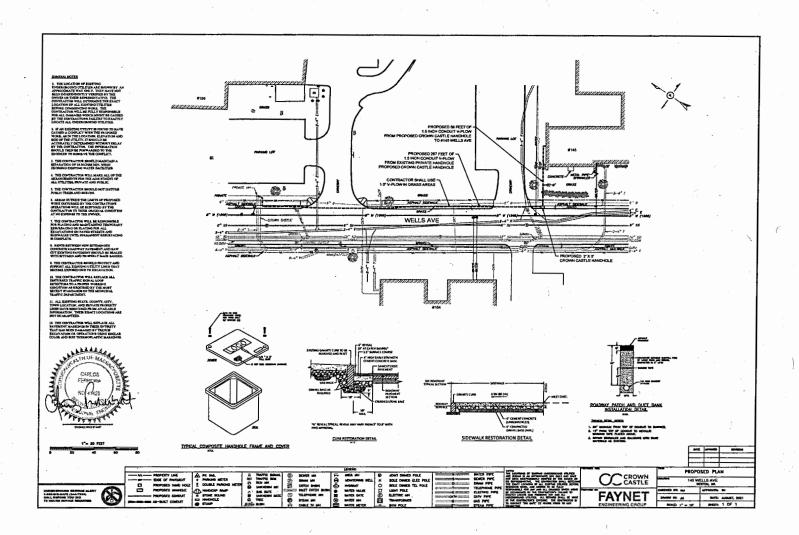


PROPOSED CONDUIT INSTALLATION
AT
145 WELLS AVE
IN
NEWTON, MA

INDEX OF DRAWING

SHT NO. DESCRIPTION
01 PROPOSED PLAN

FAYNET
ENGINEERING GROUP



Final Label Report

SBL	Owner	Number	Street	Unit
84034A0006	WILLOWBEND-ONE TWENTY WELLS AVE LLC	120	WELLS AVE	
84034 0002R	SOLOMON SCHECHTER DAY SCHOOL	125	WELLS AVE	
84034 0002E	G&Z RE INVESTMENT LLC	135	WELLS AVE	
84034 0002G	ESP INVESTMENTS LLC	145	WELLS AVE	
84034A0005	SRIMAN LLC	150	WELLS AVE	
84034A0005A	154 WELLS AVENUE LLC	154	WELLS AVE	
84034 0002H	SLD WELLS LLC	159	WELLS AVE	
84034A0004	HOSPICE OF GOOD SHEPHERD	160	WELLS AVE	
84034A0003	180 WELLS REALTY LLC	180	WELLS AVE	

CITY OF NEWTON MASSACHUSETTS

RECEIVED

PETITION for GRANT OF LOCATION AM 11: 05

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CITY CLERK NEWTON, MA. 02459

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Questions may be directed to:

Lou Taverna, City Engineer, 617-796-1020 Cassidy Flynn, Clerk of the Public Facilities Committee 617-796-1213

II. DESCRIPTION OF PROJECT: to be completed by petitioner

Company Name	NATIONALGI	RID		to No.		
Address 201 Riveri	noor Street					
West Roxbury, MA 0213	32					
Phone Number 617-894-3896		Fax Nu				
Mary Muli Contact Person	•	Title_	Permit Repr	esentative		
Mary Mulroney	,	. –		October	15, 2021	
Signature			Date			
Person filing appli	cation					

type of materials to be used, benefit provided to the City, project mitigation plan as applicable, street reconstruction plan including timetable for completion.							
Nationalgird Integrity Management recommends the relay of: approximately 60 feet of 12- inch, cast iron (1923) and approximately 425 feet of 8- inch cast iron (1918) with approximately 830 feet of 8- inch plastic in Commonwealth Av from the existing 12- inch cast iron at #1324 Commonwealth Av to the intersection of Fuller St and Evelyn Rd, Relay approximately 1135 feet of 6- inch, bare steel (1950) and approximately 625 feet of 4- inch bare steel (1950/1937) with approximately 1760 feet of 8- inch plastic in Evelyn Rd from the intersection of Commonwealth Av and Fuller St, and relay approximately 1395 feet of 4- inch bare steel (1950/1951) with approximately 1395 feet of 4- inch plastic in Mary Ellen Rd from #119 Evelyn Rd to #175 Evelyn Rd.							
B. Include or attach a sketch to provide a visual description of the project. If plans are attached, provide: Title of Plan Date of plan							
III. PUBLIC WORKS DEPARTMENT REVIEW							
Date received by Public Works Department October 25, 2021							
Check One: Minor Project Major Project Lateral Lateral							
(Refer to City Engineer Standard Requirements for Plans for definition of minor and major project)							
Plans Submitted: Certified Plot Plan Stamped Plans							
DATE AND COMMENTS: RECOMMENDATIONS:							
See attached memo.							
V. RECOMMENDATION TO PUBLIC FACILITIES COMMITTEE:							

Shawna Sullivan Digitally signed by Shawna Sullivan Date: 2021.11.02 16:15:49 -04'00'

Commissioner, Public Works

Date

PETITION OF NATIONAL GRID FOR GAS MAIN LOCATIONS

City of Newton / City Council:

The Nationalgrid hereby respectfully requests your consent to the locations of mains as hereinafter described for the transmission and distribution of gas in and under the following public streets, lanes, highways and places of the **City of Newton** and of the pipes, valves, governors, manholes and other structures, fixtures and appurtenances designed or intended to protect or operate said mains and accomplish the objects of said Company; and the digging up and opening the ground to lay or place same:

Nationalgird Integrity Management recommends the relay of: approximately 60 feet of 12- inch, cast iron (1923) and approximately 425 feet of 8- inch cast iron (1918) with approximately 830 feet of 8- inch plastic in Commonwealth Av from the existing 12- inch cast iron at #1324 Commonwealth Av to the intersection of Fuller St and Evelyn Rd,

Relay approximately 1135 feet of 6- inch, bare steel (1950) and approximately 625 feet of 4- inch bare steel (1950/1937) with approximately 1760 feet of 8- inch plastic in Evelyn Rd from the intersection of Commonwealth Av and Fuller St, and relay approximately 1395 feet of 4- inch bare steel (1950/1951) with approximately 1395 feet of 4- inch plastic in Mary Ellen Rd from #119 Evelyn Rd to #175 Evelyn Rd.

Date	October	12	2021
Daic.	OCTOBEL	14.	4041

By:

Mary Mulroney
Mary Mulroney
Permit Representative

City of Newton / City Council:

IT IS HEREBY ORDERED that the locations of the mains of the Nationalgrid for the transmission and distribution of gas in and under the public streets, lanes, highways and places of the City of Newton substantially as described in the petition date <u>October 12, 2021</u> attached hereto and hereby made a part hereof, and of the pipes, valves, governors, manholes and other structures, fixtures and appurtenances designed or intended to protect or operate said mains and/or accomplish the objects of said Company, and the digging up and opening the ground to lay or place same, are hereby consented to and approved.

The said Nationalgrid shall comply with all applicable provisions of law and ordinances of the **City of Newton** applicable to the enjoyment of said locations and rights.

Date this	day of		20
I hereby certify that the for	regoing order was duly adopte	ed by the	of
the City of	, MA on the		, 20
	By:		
	•		
		Title	

CITY OF NEWTON

Department of Public Works

ENGINEERING DIVISION

Memorandum

To: Councilor Alison Leary, Facilities Committee Chair.

From: John Daghlian, Associate City Engineer

Re: National Grid Gas Main Replacement Commonwealth Ave. Mary Ellen & Evelyn Rd

Date: November 2, 2021

CC: Jim Mcgonagle, Commissioner

> Shawna Sullivan, Chief of Staff Lou Taverna, PE City Engineer Ted Jerdee, Director of Utilities Doug Valovcin, Deputy Director Cassidy Flynn, Committee Clerk

In reference to the above location, the following are my comments for a plan entitled:

National Grid

Approx. 2,590'/1,395' of 8"/4" MDPE (LP to 22 psig) Gas Main Relay 5-107 Mary Ellen Road, Evelyn Rd. & Commonwealth Ave.

Newton, MA W.O. No.: 1409992 Prepared by: BL Companies Dated: 8/24/2021

Revised: 9/6/2021

Executive Summary:

This application entails the replacement of existing 4-inch diameter LP (low pressure) gas with 22 psig (medium pressure) gas main. Currently Mary Ellen Road & Evelyn Road both have 4" low pressure bare steel pipe dating back to 1952 & 1937 respectively that will be converted to 8" MDPE (medium density polyethylene) pipe. Commonwealth Avenue in this portion between # 1230 Commonwealth Avenue and Fuller Street has 8" ø cast iron main dating to 1918; this main will also be replaced with 8" MDPE pipe. All the service connection to each home will have appropriate service regulators installed prior to transferring over form low pressure to the 22-psig system, this is a critical step in the process that NGrid quality control teams need to verify prior to any final conversion.

A traffic mitigation plan is needed prior to construction, that plan should be submitted to the Traffic Division and Newton Police for review and approval.

Street Opening Permit:

- 1. Finalized utility connection plan reflecting the above changes that meets the minimal design standards of the City of Newton must be submitted for approval by the contractor of record with appropriate Bonds & Insurance. The Engineering Division makes no representations and assumes no responsibility for the design(s) in terms of suitability for the particular site conditions or of the functionability or performance of any items constructed in accordance with the design(s). The City of Newton assumes no liabilities for design assumption, error or omissions by the Engineer of Record.
- 2. All trenches within the roadway shall be milled 1-1/2" deep and overlaid with Type I-1 HMA. The limits will be determined in the field by the City Inspector.
- 3. If any municipal utilities service connections are disturbed by the contractor of record during construction, they shall be updated and replaced to the City's current Construction Standards.
- 4. All catch basins within the work zone & downstream (limits to be determined) by City Inspector shall be retrofitted with an approved type of siltation control devices, details of this shall be submitted to the City Engineer. The contractor of record shall maintain these catch basins throughout the construction process and ensure that street and property flooding does not occur during construction.
- 5. The contractor of record shall accommodate safe pedestrian access around the construction zone, these roads are school routes, any sidewalk closure will have to comply with the DPW Construction Zone Pedestrian Access requirements. The City Inspector and contractor shall review a closure plan prior to any closures as needed.
- 6. Upon final installation & testing of the new gas mains an As Built drawing [plan & profile] shall be submitted in digital and hard copy format to the City Engineer.
- 7. The contractor of record shall contact the Newton Police Department 48 hours in advanced and arrange for Police detail to help residents & commuters navigate around the construction activity.
- 8. Prior to any construction a preconstruction meeting with the DPW, Police and Fire Departments shall be required.

If you have any questions or concerns, please call me at 617-796-1023.

5 – 107 Mary Ellen Road, Evelyn Rd, Commonwealth Ave, NEWTON 1409992

All Grants of Location for the City of Newton must answer the following in detail:

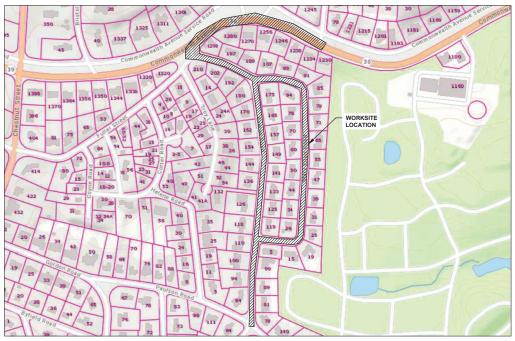
- A. Are there any leaks on this road? If yes, how many?
- There are a few active leaks on Mary Ellen Rd
- B. If not, why is the gas main being extended or replaced?
- The gas main is being replaced due to water intrusion which is resulting in the loss of pressure to a customer
- C. Is it in response to upcoming roadwork or new development?
- No
- D. Is capacity increasing? If yes, why?
- We are replacing the main and upgrading the system to 22 psig since there is already a 22 psig system in Commonwealth Ave.

Requested by the Commissioner: When NationalGrid engineers develop the GOL plans these standard questions be answered in a written format & submitted with the GOL package.

NATIONAL GRID APPROX. 2590'/1395' OF 8"/4" MDPE (LP TO 22 PSIG) GAS MAIN RELAY 5-107 MARY ELLEN ROAD, EVELYN RD, & COMMONWEALTH AVE, NEWTON, MA

W.O. NO.: 1409992





	INDE	X OF SHEETS
PAGE	NAME	TITLE
1	NEW-1409992-01	COVER SHEET
2	NEW-1409992-02	CONSTRUCTION NOTES
3	NEW-1409992-03	BILL OF MATERIALS
4	NEW-1409992-04	PROPOSED INSTALLATION PLAN OVERVIEW
5	NEW-1409992-05	PROPOSED INSTALLATION PLAN SHEET 1 OF 5
6	NEW-1409992-06	PROPOSED INSTALLATION PLAN SHEET 2 OF 5
7	NEW-1409992-07	PROPOSED INSTALLATION PLAN SHEET 3 OF 5
8	NEW-1409992-08	PROPOSED INSTALLATION PLAN SHEET 4 OF 5
9	NEW-1409992-09	PROPOSED INSTALLATION PLAN SHEET 5 OF 5
10	NEW-1409992-10	PROPOSED LOCATION DETAIL SHEET 1 OF 2
11	NEW-1409992-11	PROPOSED LOCATION DETAIL SHEET 2 OF 2
12	NEW-1409992-12	MISCELLANEOUS DETAIL 1 OF 3
13	NEW-1409992-13	MISCELLANEOUS DETAIL 2 OF 3
14	NEW-1409992-14	MISCELLANEOUS DETAIL 3 OF 3









,	1	ISSUED FOR CONSTRUCTION	09/08/21	DC	LA	AC
	0	ISSUED FOR CONSTRUCTION	08/24/21	DC	LA	AC
	NO.	DESCRIPTION	DATE	DR.BY	CK.BY	APP.BY

	BOSTON GAS COMPANY d/b/g	PROPOSED GAS MAIN INSTAL
	national grid	8"/4" MDPE (LP TO 22 P MARY ELLEN RD
1	40 SYLVAN ROAD WALTHAM, MA 02451	NEWTON, MA
		COVER SHEET

d	MARY ELLEN RD						DRAWING NO. SHE					
1			COVE	NEW-1409992-01 G-0								
ı	DWG SIZE	DESIGNER	ENGINEER	DATE:	ASSET I.D.	W.O. NO.:	11211 1100002 01	001				
•	22"X34"	D. CASTANG	A. CAVALLO	09/08/21	DISTRIBUTION	1409992						

CONSTRUCTION NOTES

SCOPE OF WORK

5-107 MARY FILEN RD EVELYN RD & COMM AVE NEWTON MA

FIELD OPS REQUEST - AS PART OF THE H20INT PROGRAM, LPP INTEGRITY MANAGEMENT

APRX 60 FEET OF 12 INCH, LP CAST IRON (1923) AND APRX 425 FEET OF 8 INCH, LP CAST IRON (1918) WITH APRX 830 FEET OF 8 INCH, 22 PSIG PLASTIC IN COMMONWEALTH AV FROM THE EXST 2 INCH, 22 PSIG CAST IRON AT #1324 COMMONWEALTH AV TO THE INTERSECTION OF FULLER ST

APRX 1760 FEET OF 6 INCH, LP BARE STEEL (1950) AND 4 INCH, LP BARE STEEL (1950/1937) WITH APRX 1760 FEET OF 8 INCH, 22 PSIG PLASTIC IN EVELYN RD FROM THE INTERSECTION OF COMMONWEALTH AV AND FULLER ST

APRX 1395 FEET OF 4 INCH, LP BARE STEEL (1950/1951) WITH APRX 1395 FEET OF 4 INCH, 22 PSIG PLASTIC IN MARY ELLEN RD FROM #119 EVELYN RD TO #175 EVELYN RD 4 MAIN CONNECTIONS / CUT OFFS.

ALL ACTIVE SERVICES TO BE TRANSFERRED FROM THE MAIN TO BE RETIRED.

NOTE: THIS PROJECT INVOLVES REPLACING LP GAS MAIN WITH 22 PSIG GAS MAIN. ENSURE THAT ALL SERVICES ARE FITTED APPROPRIATELY WITH SERVICE REGULATORS PRIOR TO TRANSFERRING OVER FROM THE LP TO 22 PSIG SYSTEM

GENERAL

- NO FIELD CHANGES SHALL BE MADE TO THIS DESIGN WITHOUT APPROVAL FROM THE ASSIGNED NATIONAL GRID ENGINEER:
 - ENGINEER: GREG LOGUE PHONE: (508) 573-0167
 - EMAIL: GREGORY.LOGUE@NATIONALGRID.COM
 - CONTRACTOR SHALL CALL DIGSAFE (DIAL 811 OR 888-344-7233) AT LEAST 72 HOURS PRIOR TO CONSTRUCTION. SATURDAYS, SUNDAYS, AND HOLIDAYS ARE EXCLUDED.

- CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES AND STRUCTURES DEPICTED OR NOT DEPICTED ON THIS DESIGN PRIOR TO CONSTRUCTION. NEW MAINS SHOULD BE INSTALLED IN ACCORDANCE WITH THE TYPICAL TRENCH DETAIL INCLUDED IN THESE DRAWINGS, UNLESS NOTED OTHERWISE.
- A 36 INCHES OF COVER FROM FINAL GRADE WHERE PRACTICAL
- B STATE HIGHWAY MINIMUM COVER: 36 INCHES C DISTRIBUTION MAIN MINIMUM COVER: 24 INCHES
- D SAND PADDING IN ALL DIRECTIONS, 6 INCHES MINIMUM.
- E CAUTION TAPE SHALL BE INCLUDED ONE FOOT BELOW GRADE
- SERVICES SHOULD BE INSTALLED WITH 24 INCHES OF COVER.
- B MINIMUM IN PRIVATE PROPERTY: 12 INCHES
- C SAND PADDING IN ALL DIRECTIONS, 6 INCHES MINIMUM.
- D. CAUTION TAPE SHALL BE INCLUDED ONE FOOT BELOW GRADE
- REFER TO CNST-6030 FOR SHALLOW MAINS. PRIOR TO INSTALLING GAS MAINS WITH LESS THAN 24 INCHES OF COVER, COMPLETE REQUEST FOR WAIVER FORM AND CONTACT GAS PIPELINE SAFETY & COMPLIANCE FOR APPROVAL.
- A JENNIFER GILLIS (617) 594-5157 (MA EXCLUDING CAPE AND WEBSTER)
- B LIEN GAUTHIER (617) 438-9069 (MA EXCLUDING CAPE AND WEBSTER)
- C IF A PROPOSED TOP TEE CONNECTION RESULTS IN A SHALLOW MAIN THAT CANNOT MEET THE WANNER CRITIERIA A FULL TEE CONNECTION IS AN ACCEPTABLE ALTERNATIVE. A SPHERICAL TEE IS ONLY ACCEPTABLE WITH APPROVAL FROM NATIONAL GRID STRATEGIC ASSET AND SYSTEM PLANNING.
- ALL MAINS SHOULD BE INSTALLED WITH CLEARANCE OF 12 INCHES FROM OTHER FACILITIES.
- B APPROPRIATE PROTECTIVE MEASURES SHALL BE USED TO PROTECT THE GAS FACILITY IF MINIMUMS CANNOT BE ATTAINED. APPROVAL IS REQUIRED BY GAS SYSTEMS ENGINEERING.
- THE PIPE ALIGNMENT IS SHOWN FOR REFERENCE ONLY AS APPROXIMATELY 3 FEET THE PIPE ALIGNMENT IS SHOWN TO REPRESENCE UNIT AS APPROXIMATELY SPECIFICATION. THE ACTUAL ROUTE AND ALL VERTICAL AND HORIZONTAL OFFSETS ARE TO BE FIELD ROUTED WITHIN THE PUBLIC RIGHT-OF-MAY BASED ON THE ACTUAL COCATION OF EXISTING UTILITIES. ADDITIONAL FITTINGS NOT SHOWN WILL BE REQUIRED.
- A ELBOWS SHOWN ARE ASSUMED TO BE 45 DEGREES IN MOST APPLICATIONS. 90 DEGREE ELBOWS MAY BE NEEDED BASED ON FIELD CONDITIONS.
- VALVES DEPICTED IN THE DESIGN ARE THE MINIMUM REQUIRED FOR SECTIONALIZIN ISOLATION, CRITICAL VALVES, ANDIOR TO ACCOMMODATE TIE-INS. ADDITIONAL FULL PORT VALVES MAY BE ADDED TO ACCOMMODATE CONSTRUCTION.
- A VALVES FOR BRANCHES AT INTERSECTIONS SHOULD BE FIELD LOCATED JUST OUTSIDE OF THE INTERSECTION WHERE EASILY ACCESSIBLE, PRIOR TO THE FIRST SERVICE. ELECTROFUSION COUPLINGS MAY BE INTERCHANGED WITH BUTT FUSION WHERE
- TIE-IN LOCATIONS MAY VARY UP TO 100 FEET OF THE PROPOSED LOCATION TO ACCOMMODATE CONSTRUCTION, EXCEPT FOR WHEN THE FOLLOWING CONDITIONS APPLY:
- A REGULATOR STATION WITHIN THE SCOPE OF THE JOB OR WITHIN 200 FEET OF THE TIE-IN LOCATION
- B CHANGE TO THE NUMBER OF CONNECTIONS (ADDITIONAL ADDED FROM AN INTERSECTION OR OTHERWISE).
- C. MATERIAL/SIZE CHANGE AT NEW LOCATION
- NOT ALL BYPASSES, GAUGES, PURGES AND OTHER MISCELLANEOUS FITTINGS ARE SHOWN. CONSTRUCTION SHALL INSTALL THESE FITTINGS AS NEEDED IN ACCORDANCE WITH THE APPROVED SOP.
- WITH THE APPROVED SOF.
 WHEN CONNECTING NEW 'DEAD' MAIN TO NEW 'DEAD' MAIN: AS LONG AS THE
 OFFICE OF THE DEAMINGS CAN BE ACHIEVED, THE CONNECTION BRANCH SIZE SHOWN IN THE DRAWINGS CAN BE ACHIEVED, T FOLLOWING CONNECTION TYPES ARE ACCEPTED AND INTERCHANGEABLE:
- B PLASTIC HIGH VOLUME TAPPING TEE (2" BRANCH SIZE OR LESS)

- C PLASTIC BRANCH SADDLE (WITH MAIN CUTTER SIZE SHOWN IN NATIONAL GRID POLICIES)
- D STEEL THREE-WAY TEE (WITH MAIN CUTTER SIZE SHOWN IN NATIONAL GRID POLICIES)
- THE LIVE MAIN CONNECTION DETAIL SHOWN IN THE DRAWINGS SHALL BE FOLLOWED.

 ANY CHANGES TO THE TIE IN CONNECTION TYPE SHALL BE APPROVED BY THE NATIONAL GRID ENGINEER PRIOR TO CONSTRUCTION.
- GRID ENGINEER PRIOR TO CONSTRUCTION.

 ALL CUSTOMER SERVICES WITHIN THE SCOPE OF MAIN TO BE ABANDONED SHALL BE TRANSFERRED OR RELAYED BY THE CONTRACTOR TO THE NEW MAIN PRIOR TO ABANDONMENT. WHEN RELAYING A LOWER PRESSURE MAIN WITH A HIGHER PRESSURE MAIN, ALL SERVICES SHALL BE RELAYED OR INSERTED.

DESIGN CRITERIA

- DESIGN IN ACCORDANCE WITH THE FOLLOWING
- A ENG02001 : DESIGN OF GAS SERVICES
- B ENG04001: DESIGN OF DISTRIBUTION MAINS C ENG04010: DESIGN REQUIREMENTS FOR INSTALLATION OF CASINGS
- PROPOSED PIPING:
 - A DESIGN CLASS LOCATION 4
 - B NOMINAL SIZE 8 INCH / 4 INCH
 - MATERIAL MDPE
- D SYSTEM MAOP 22 PSIG
- PIPE SIZE DETERMINED BY NATIONAL GRID STRATEGIC ASSET AND SYSTEM PLANNING.

CODES & STANDARDS

- WORK SHALL CONFORM TO ALL LOCAL, STATE, AND FEDERAL CODES IN ADDITIONAL TO NATIONAL GRID GAS POLICIES AND WORK METHODS. WHERE ANY CONFLICTS OF CODES, STANDARDS AND REGULATIONS MAY EXIST, THE MORE STRINGENT CODE, STANDARD, OR REGULATION SHALL APPLY.
- ALL REFERENCES SHALL BE IN ACCORDANCE WITH THE MOST CURRENT REVISION AVAILABLE AT THE TIME OF CONSTRUCTION.
- FEDERAL & STATE
- A TITLE 49: PART 192 TRANSPORTATION OF NATURAL AND OTHER GAS BY PIPELINE: MINIMUM FEDERAL SAFETY STANDARDS
- B 220 CMR: DEPARTMENT OF PUBLIC UTILITIES
- C AMERICAN SOCIETY OF MECHANICAL ENGINEERS
- R31 8: GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH NATIONAL GRID GAS POLICIES AND WORK METHODS, INCLUDING BUT NOT LIMITED TO:
- A CNST01003: BACKFILL AND RESTORATION
- B CNST01005: PREPARATION OF GAS FACILITY HISTORICAL RECORDS
- C CNST01006: COMMERCIALLY AVAILABLE SHORING SYSTEMS
- D CNST02014: ENCAPSULATING CAST IRON JOINTS
- E CNST03001: SQUEEZE-OFF OPERATIONS
- F CNST03002: STOP-OFF OPERATIONS ON LOW PRESSURE MAINS
- G CNST03005: PURGING REQUIREMENTS FOR GAS PIPELINES
- a. CNST03006: PURGING OPERATIONS DIRECT DISPLACEMENT
- b. CNST03007: PURGING OPERATIONS COMPLETE INERT FILL
- c. CNST03008: PURGING OPERATIONS SLUG METHOD H CNST03014: STOP OFF OPERATIONS FOR KLEISS EQUIPMENT
- CNST04005: INSTALLING STEEL DISTRIBUTION MAINS
- J CNST04007: FIELD COLD BENDING OF LINE PIPE
- K CNST04008: INSTALLING PLASTIC MAINS
- N CNST04030: RAISING MAIN AND SERVICE GATE BOXES
- O CNST05001: JOINING OF PLASTIC PIPE
- P CNST05011: INSTALLATION OF DRESSER 700 COUPLINGS
- Q CNST5010: GENERAL CONSTRUCTION REQUIREMENTS AND PIPE HANDLING
- R DAM01011: EXCAVATION AND EXCAVATION NOTIFICATION REQUIREMENTS FOR UNDERGROUND FACILITIES FOR MASSACHUSETTS AND RHODE ISLAND
- S DAM01015: LOCATE AND MARK-OUT REQUIREMENTS FOR UNDERGROUND GAS FACILITIES
- T DAM01016: LOCATE AND MARK-OUT OF UNDERGROUND FACILITIES
- U GCON02001: SYSTEM OPERATING PROCEDURE (SOP)
- V GEN01100: OPERATOR QUALIFICATION PLAN W GEN03002: PROCESSING GAS MAIN AND NEW SERVICE WORK PACKAGES
- X GEN03004: CHANGE CONTROL PROCEDURE FOR STANDARD CONSTRUCTION PROJECTS
- INR06002: SUPPLEMENTAL ODORIZATION FOR NEW PIPING

- BB 030018-CS: SPECIFICATION AND HANDLING OF TRAFFIC PLATES
- SERVICE SPECIFIC CONSTRUCTION STANDARDS, GAS POLICIES AND WORK METHODS:
- A CMS03002: CUSTOMER METER AND SERVICE REGULATOR DESIGN AND INSTALLATION POLICY
- B CMS04002: PURGING PROCEDURES FOR CUSTOMER METER SERVICES
- C CNST03011: NO-INTERRUPT SERVICE TRANSFER D CNST06002: INSTALLING DISTRIBUTION SERVICES
- E CNST08003: INSTALLATION & MAINTENANCE POLICY FOR CURB VALVES ON SERVICE LINES WITH INSTALLED METER CAPACITIES OVER 1,000 SCFH THAT DON'T HAVE EXCESS FLOW VALVES

- F CNST08009: METER/SERVICE RELOCATION GUIDELINE
- G CNST06020: COMPLETION AND PROCESSING OF GAS SERVICE RECORD CARDS
- H CNST08030: NOTIFICATION OF CUSTOMERS INVOLVED IN THE INTERRUPTION OF GAS
- CS-SERV001: TYPICAL 1/2* SERVICE OUTSIDE SETS
- J CS-SERV002: TYPICAL 1" SERVICE OUTSIDE SETS
- K CS-SERV003: TYPICAL 1-1/4" SERVICE OUTSIDE SETS
- L CS-SERV004: TYPICAL 2* SERVICE
- M CS-SERV005: EXCESS FLOW VALVE REQUIREMENTS ON HP SERVICES
- N CS-SERV009: TYPICAL 1/2* SERVICE INSIDE SETS
- O CS-SERV010: TYPICAL 1" SERVICE INSIDE SETS
- P HTAP-8010: NO-INTERRUPT 1 INCH CTS AND 1-1/4 INCH CTS SERVICE TRANSFER (NIST) LP TO 60 PSIG MAINS
- Q SERV-5075: RELOCATION OF METER SET ASSEMBLIES INSIDE TO OUTSIDE R SERV-6185: HOT TAPPING MD BRANCH SADDLES OFF 4IN - 12IN 60 PSIG MAOP LIVE PLASTIC GAS MAIN USING MCELROY HOT TAPPING TOOL
- S VALV6110: 1/2 INCH 3 INCH POLYETHYLENE GAS SERVICE VALVE INSTALLATION
- SEE TIE IN DETAILS FOR APPLICABLE MAIN CONNECTION REFERENCES.
- SEE BILL OF MATERIAL FOR MATERIAL SPECIFICATION, STANDARD AND/OR APPLICABLE NATIONAL GRID "FITS" REFERENCE.
- A FOR THIS PROJECT, GRADE B, X42, X52 AND EQUIVALENT ARE ACCEPTABLE STEEL MATERIAL STRENGTHS IF APPLICABLE. ALTERNATES TO THE BOM ARE ALLOWED WITHIN THIS RANGE BASED ON MATERIAL AVAILABILITY.

- A CNST04003: PRESSURE TESTING MAINS OPERATING BELOW 125 PSIG
- B TEST PRESSURE (MINIMUM): 90 PSIG
- C TEST DURATION BASED ON LENGTH AND DIAMETER IN ACCORDANCE WITH TABLE 1.
- D TEST MEDIUM: AIR AND/OR NITROGEN
- PRESSURE TEST SERVICES IN ACCORDANCE WITH
- A CNST06008 : PRESSURE TESTING SERVICE LINES

WELDING

- NATIONAL GRID WELDING GAS POLICIES AND WORK METHODS INCLUDE
- A CNST05002: WELDING POLICY
- B CNST05003: PIPE WELDING SAFETY
- C CNST05005: WELDING PROCEDURE SPECIFICATIONS
- D MS-030: WELDING FILLER MATERIALS
- PRIOR TO THE START OF ANY WORK THE CONTRACTOR SHALL SUBMIT WELDER CERTIFICATION DOCUMENTS FOR EACH OF THE WELDERS EMPLOYED ON THIS PROJECT.
- WELDING PROCEDURE SPECIFICATIONS REQUIRED:
- A BUTT WELDS (GROOVE): WPS-SMAW-E6010/7010 (LATEST REVISIO
- B FILLET WELDS (BRANCH): WPS-SMAW-E6010/7010 (LATEST REVISION) 10% (AT LEAST 1) OF WELDS IN EACH CATEGORY BELOW SHALL BE SUBJECT TO
- NON-DESTRUCTIVE EXAMINATION (NDF)
- A BUTT WELDS 2-INCH AND GREATER: 10% RADIOGRAPH B BUTT WELDS < 2-INCHES: 10% MAGNETIC PARTICLE
- C FILLET WELDS: 10% MAGNETIC PARTICLE NDE AND WELD MAP SHALL BE PROVIDED BY SKYTESTING
 - SKYTESTING SCHEDULING CONTACT: WILLIAM (BILL) CLARK
 - CELL: 704-858-7794
- EMAIL: WCLARK@SKYTESTING.COM

CATHODIC PROTECTION

- IF EXISTING TEST STATIONS, WIRES, AND/OR MAGNESIUM ANODES ARE DISTURBED OR DAMAGED, NOTIFY THE NATIONAL GRID CORROSION DEPARTMENT:
- BUTCH VINCENT 617-438-5192 (MA)
- 24 HOUR NOTICE IS REQUIRED PRIOR TO INSTALLATION OF INSULATED FITTINGS TO ALLOW FOR ACCEPTANCE TESTING.
- NATIONAL GRID CORROSION GAS POLICIES AND WORK METHODS INCLUDE: A CORDITION CORPOSION DESIGN ORITERIA
- B COR02001: APPLICATION OF COATING SYSTEMS
- C COR02020: INSPECTING EXPOSED STEEL PIPE FOR CORROSION D COR02021: INSPECTING EXPOSED CAST OR DUCTILE PIPING FOR GRAPHITIZATION
- E COR03001: TESTING OF PIPE COATING (JEEP TESTING)
- F COR04001: INSTALLATION OF MAGNESIUM ANODES
- G COR04003: INSTALLATION OF TEST STATIONS FOR CATHODIC PROTECTION H COR04004: INSTALLATION OF WIRE CONNECTIONS
- I COR04005: INSTALLATION OF INSULATING JOINTS FOR CATHODIC PROTECTION
- J 030031-CS: FACILITY COATING GUIDE CORROSION DESIGN:
- A IF TIE-IN IS TO NON-CP SYSTEM OR CAST IRON USE AN INSULATED COUPLING (RUBBER BOOT FACING THE CAST IRONNON-CP SYSTEM) AND USE THE CLIP ON THE COUPLING TO INSTALL A TEST WIRE AND BRING IT UP INTO A TEST STATION ITH 1-17# ANDOE. NOTE IF AN INSULATED COUPLING AND TRANSITION STEEL PIECE ARE USED, INSTALL A 1-WIRE TEST STATION WITH 1-17# ANODE ON THE TRASITION PIECE ONLY.
- B INSTALL A 1-WIRE TEST STATION WITH 1-17# ANODE TO THE INSULATED ACTIVE STEEL MECHANICAL END CAP. INSTALL THE 9X9 TEST STATION IN AN ACCESSIBLE LOCATION

ENVIRONMENTAL

- WORK SHALL CONFORM TO THE NATIONAL GRID ENVIRONMENTAL POLICY.
- ENVIRONMENTAL ENGINEERING CONTACT

ANDREW L. SHELBY

PHONE: (781) 907-1867

- EMAIL: ANDREW.SHELBY@NATIONALGRID.COM
- CONTRACTOR SHALL REVIEW THE PROJECT WORK ORDER PACKAGE FOR ENVIRONMENTAL GUIDANCE FORMS, FOR EXAMPLE EG-301, FOR THE RESPECTIVE STATE.
- WHEN SOILS OR LIQUIDS ARE ENCOUNTERED THAT ARE BELIEVED TO BE CONTAMINATED WITH OIL AND/OR HAZARDOUS MATERIAL, EXCAVATION WORK SHALL BE HAULTED AND FIELD PERSONNEL SHALL NOTIFY THEIR IMMEDIATE SUPERVISOR.
- NO EXCAVATED SOIL SHALL LEAVE THE WORK SITE UNTIL ENVIRONMENTAL HAS MADE A DETERMINATION FOR ITS PROPER DISPOSAL
- NATIONAL GRID ENVIRONMENT POLICIES AND PROCEDURES INCLUDE:
- B SHE02002: REMOVING MERCURY REGULATORS AND DEVICES
- C SHE02003: ENCOUNTERING CONTAMINATION WHILE EXCAVATING
- D EG303-NE: BEST MANAGEMENT PRACTICES E EG140: USED GAS PIPE MANAGEMENT
- ENVIRONMENTAL REQUIREMENTS: N/A

SAFETY

- WORK SHALL CONFORM TO THE NATIONAL GRID EMPLOYEE SAFETY HANDBOOK AND OSHA REQUIREMENTS.
- REQUIRED PPE SHALL BE WORN AND UTILIZED IN ACCORDANCE WITH THE CURRENT NATIONAL GRID SAFETY POLICY.
- A NATIONAL GRID APPROVED CONTRACTOR HEALTH AND SAFETY PLAN (HASP) IS REQUIRED PRIOR TO CONSTRUCTION.
- CONSTRUCTION SIGNING, DRUMS, BARRICADES, AND OTHER DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) PART VI AND SHALL BE MAINTAINED BY THE CONTRACTOR.
- NATIONAL GRID SAFETY PROCEDURES COVER THE FOLLOWING CATEGORIES: NATIONAL GRID SAFET I PROCEDURES OUVER THE PULLOWING LATEGORIES. THAN OF A ADMINISTRATIVE E- INSPECTIONS, C: WALKING WORKING SURFACES, D- MEANS OF EGRESS, E-MATERIAL HANDLING AND STORAGE, F-TOXIC AND HAZARDOUS SUBSTANCES, C: HAZARDOUS METERIALS, F-PERSONAL PROTECTIVE EQUIPMENT, I-GENERAL ENVIRONMENTAL CONTROLS, J-A ACCIDENT INVESTIGATION, K- MACHINERY AND GUAZDING: V-WEIDINGCUTTH/GIBERZING, HE ACKAPATIONS, N-CONTRACTORS,
- FIRE PROTECTION: Q- FLEET AND ROADWAY SAFETY
- GAS WORK METHODS SAFETY PROCEDURES INCLUDE:
- A SHE01001: GENERAL SAFETY REQUIREMENTS
- D SHE01004: USING AND MAINTAINING FLAME IONIZATION UNITS
- E SHE01005: DISSIPATING STATIC ELECTRICAL CHARGES ON PLASTIC PIPE
- F SHE01006: ENTERING GAS UTILITY VAULTS G SHE01008: USING AND MAINTAINING THE GAS-EXPLORER
- H SHE01009: DISSIPATING STATIC ELECTRICAL CHARGES ON PLASTIC PIPE I SHE01010: THE APPLICATION OF FORMAL PROCESS SAFETY ASSESSMENTS TO HIGHER-RISK GAS ACTIVITIES PERFORMED IN THE FIELD

OTHER PERMITTING REQUIREMENTS

- STREET OPENING PERMIT
- MWRA PERMIT
- GRANT OF LOCATION UTILITY OWNER INFORMATION

TOWN OF NEWTON

LOCATION OF IDENTIFIED UNDERGROUND UTILITIES ARE AN APPROXIMATE BASED ON AVAILABLE RECORD AND FIELD INFORMATION IN ACCORDANCE WITH CIASCE 38-02. ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT IDENTIFIED ON THESE PLANS, ALL EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR FOR SERVICE, SIZE, INVERT ELEVATIONS, LOCATIONS, ETC.

BI COMPANIES ANDREW J. CAVALLO, P.E. PHONE: (781) 619-9515

EMAIL: ACAVALLO@BLCOMPANIES.COM

PROPOSED GAS MAIN INSTALLATION

22"X34" D. CASTANG A. CAVALLO 09/08/21 DISTRIBUTION

8"/4" MDPE (LP TO 22 PSIG) MARY ELLEN RD NEWTON, MA CONSTRUCTION NOTES

SHEET NO. NEW-1409992-02 G-002

Architecture Engineering Environmental

ANDREW STEP CAVALLO SEPECTED STEP CAVALLO SEPECTED SEPECT

SSUED FOR CONSTRUCTION 09/08/21 DC LA AC 08/24/21 DC LA AC IFC

BOSTON GAS COMPANY -national**grid** 40 SYLVAN ROAD WALTHAM, MA 02451 DWG SIZE DESIGNER ENGINEER DATE: ASSET I.D. W.O. NO.:

			BILL OF MATERIALS			
ITEM	QTY	UOM	DESCRIPTION	SIZE (IN.)	NATIONAL GRID REFERENCE	SAP ID NUMB
1	10	FT	PIPE, PLASTIC, MDPE, SDR 13.5	12	120026-MS	9340863
2	2,600	FT	PIPE, PLASTIC, MDPE, SDR 13.5	8	120026-MS	9340862
3	1,400	FT	PIPE, PLASTIC, MDPE, SDR 11.5	4	120026-MS	9340857
4	2	EA	ELBOW, PLASTIC, 45 DEGREE, MDPE	8	CS-FIT011	9341402
5	1	EA	ELBOW, PLASTIC, 90 DEGREE, MDPE	8	CS-FIT011	9341398
6	1	EA	REDUCER, PLASTIC, MDPE	12 x 8	CS-FIT013	9342617
7	2	EA	REDUCER, PLASTIC, MDPE	8 x 6	CS-FIT013	9342616
8	2	EA	REDUCER, PLASTIC, MDPE	6 x 4	CS-FIT013	9342678
9	2	EA	TEE, PLASTIC, FULL, MDPE	8	CS-FIT012	9342070
10	1	EA	COUPLING, PLASTIC ELECTROFUSION	8	CS-FIT015	9314591
11	6	EA	VALVE, BALL, MDPE, FULL PORT	8	VALV6020	9386594
12	6	EA	VALVE, BOX ASSEMBLY	8	VALV6020	9307586
13	N/A	EA	NOT USED	N/A	N/A	N/A
14	N/A	EA	NOT USED	N/A	N/A	N/A
15	1	EA	CAP, MDPE, BUTT FUSION	8	CS-FIT010	9339559
16	1	EA	COUPLING, MECHANICAL, FOR CAST IRON, INSULATED, RESTRAINING	12	FITS6025	9308362
17	1	EA	STIFFENER, SDR 13.5	12	FITS6025	9308696
18	1	EA	FITTING, SHORTSTOPP	12	FITS6055	9341086
19	2	EA	END CAP, MECHANICAL, FOR CAST IRON, RESTRAINING	8	FITS6024	9315168
20	2	EA	END CAP, MECHANICAL, FOR STEEL, RESTRAINING	6	FITS6024	9314880
21	2	EA	END CAP, MECHANICAL, FOR STEEL, RESTRAINING	4	FITS6024	9315211
22	1	EA	SLEEVE, 50A STYLE DRESSER	12	120026-MS	9312679
SENERAL						
G1	A/R	FT	TRACER WIRE		CNST6061	9315005
G2	A/R	ROLL	YELLOW CAUTION TAPE - GAS MAIN - 6" WIDE	6	CNST6060	9341904
RESSURE	TESTING (T	EMPORA	RY)			
P1	A/R	EA	CAP, MDPE, BUTT FUSION	12	CS-FIT010	9339560
P2	A/R	EA	CAP, MDPE, BUTT FUSION	8	CS-FIT010	9339559
P3	A/R	EA	CAP, MDPE, BUTT FUSION	4	CS-FIT010	9339534
CATHODIC	PROTECTIO	N				
C1	2	EA	CP TEST BOX W/ COVER	N/A	030026-CS	(SEE STD)
C2	2	EA	17# ANODE	N/A	030024-CS	9311183
C3	A/R	FT	WIRE NO. 8	N/A	030026-CS	9307539

THAT ARE INCLUDED IN THE BOM OF NATIONAL GRID CONSTRUCTIONS STANDARDS REFERENCED IN THIS DESIGN PACKAGE.



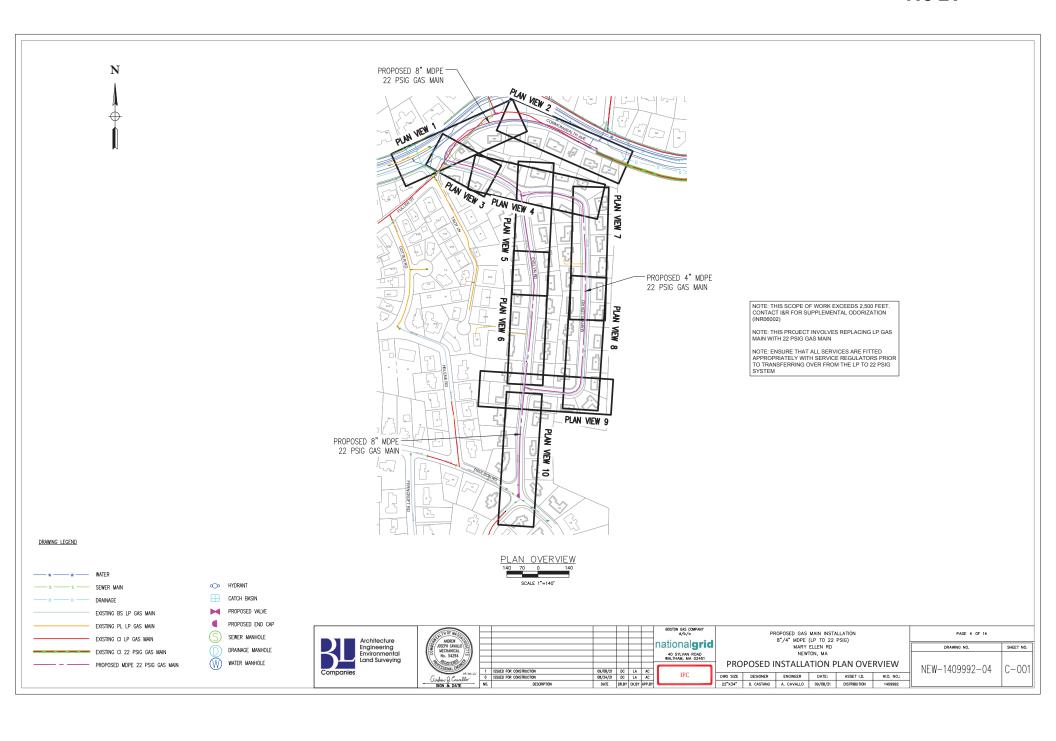
ANDREW OSEPH CHYMLO BE NO. 54294 CONTROL BE NO. 542
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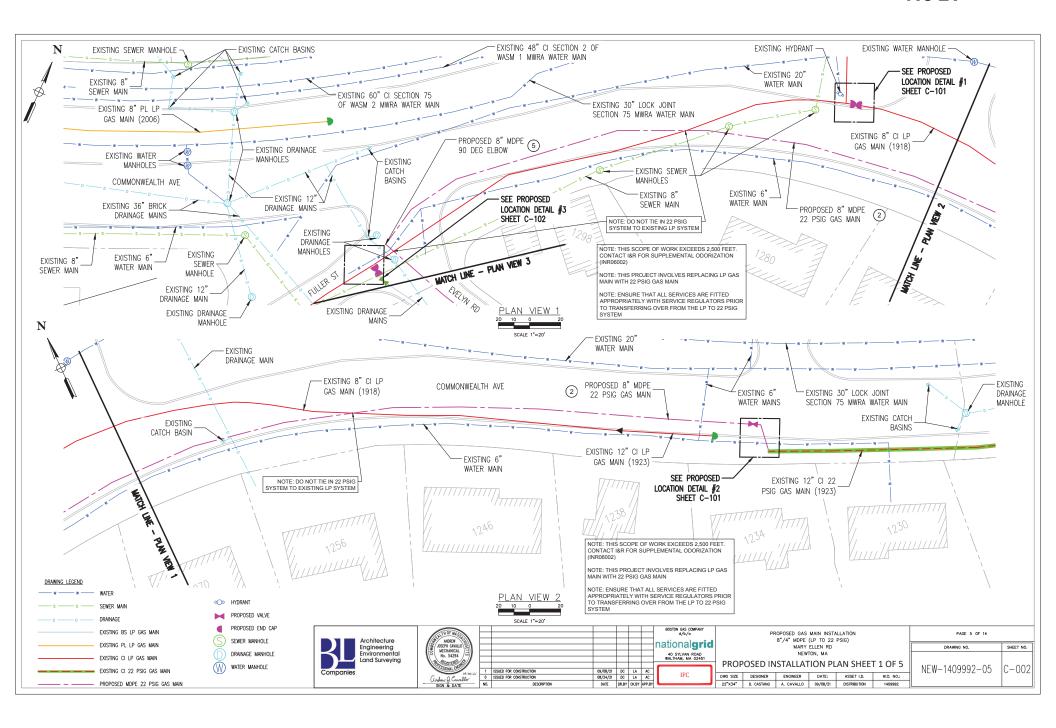
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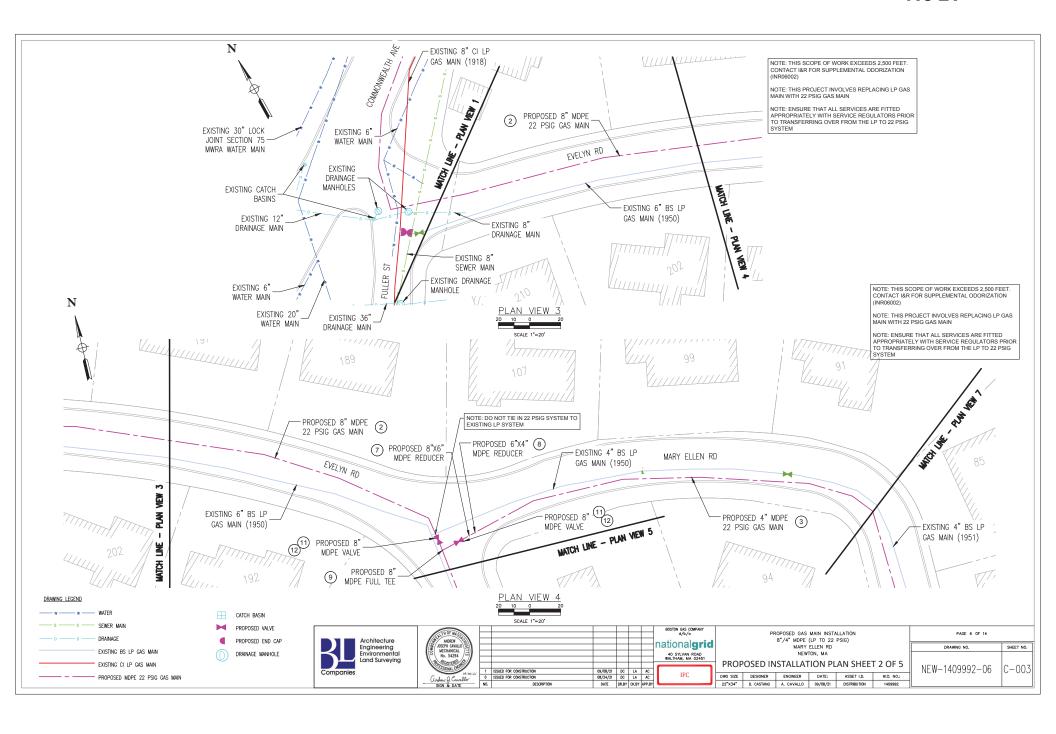
PROPOSED GAS MAIN INSTALLATION									
8"/4" MDPE (LP TO 22 PSIG)									
MARY ELLEN RD									
NEWTON, MA									
BILL OF MATERIALS									

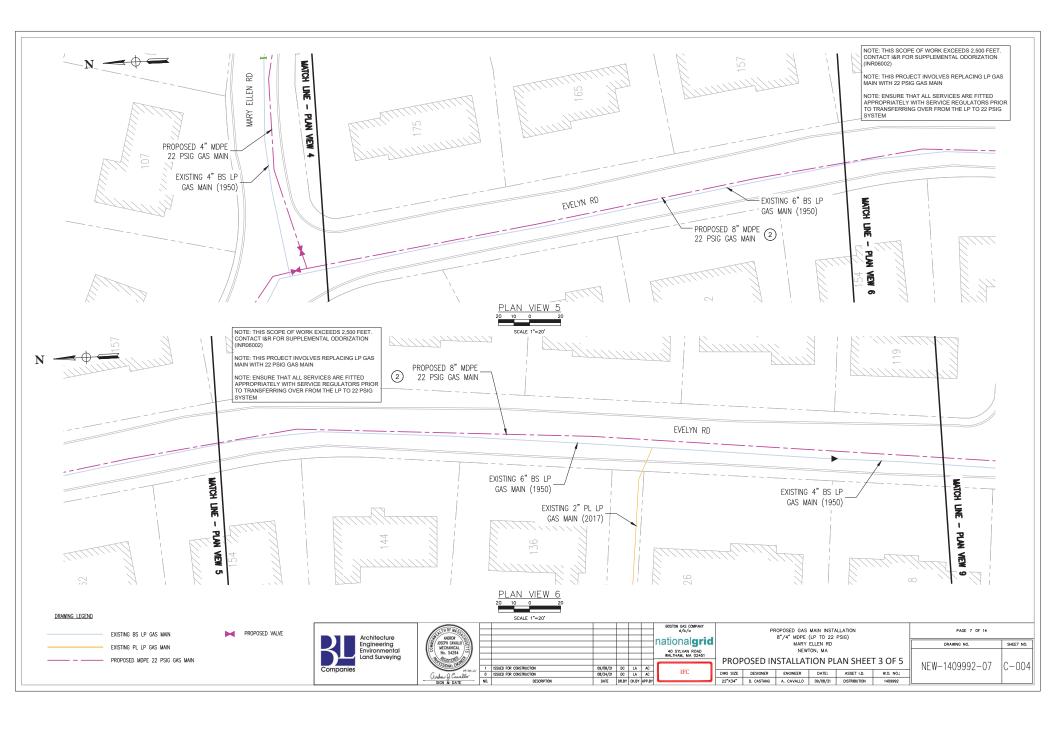
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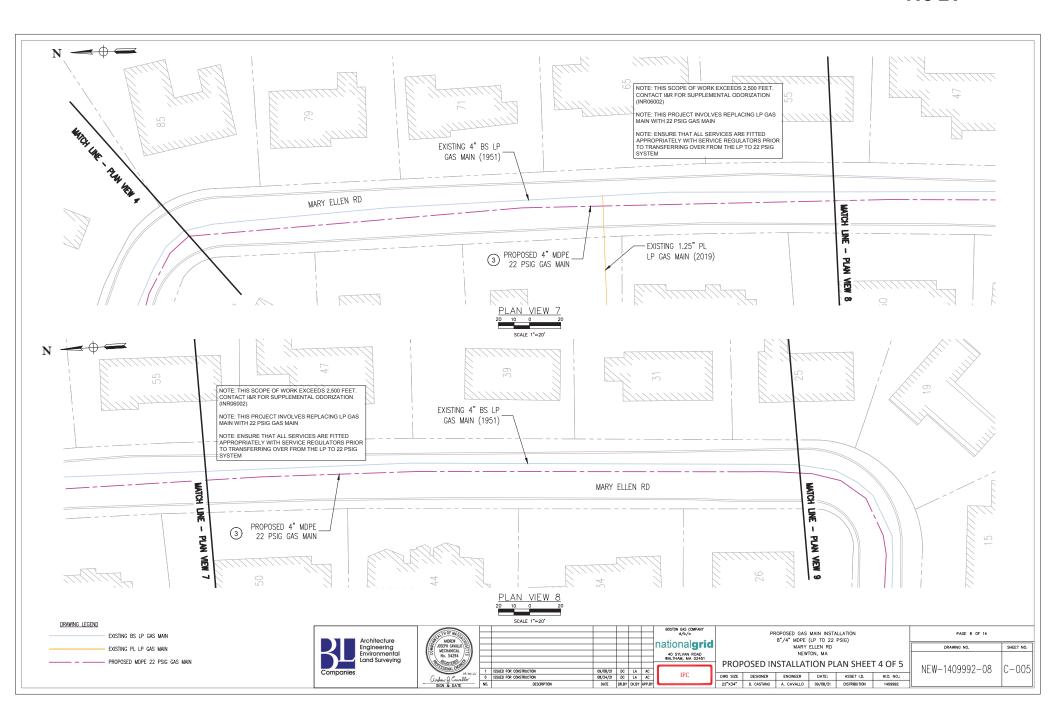
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- 1	DWG SIZE	DESIGNER	ENGINEER	Γ			
_	22"X34"	D. CASTANG	A. CAVALLO	ľ			

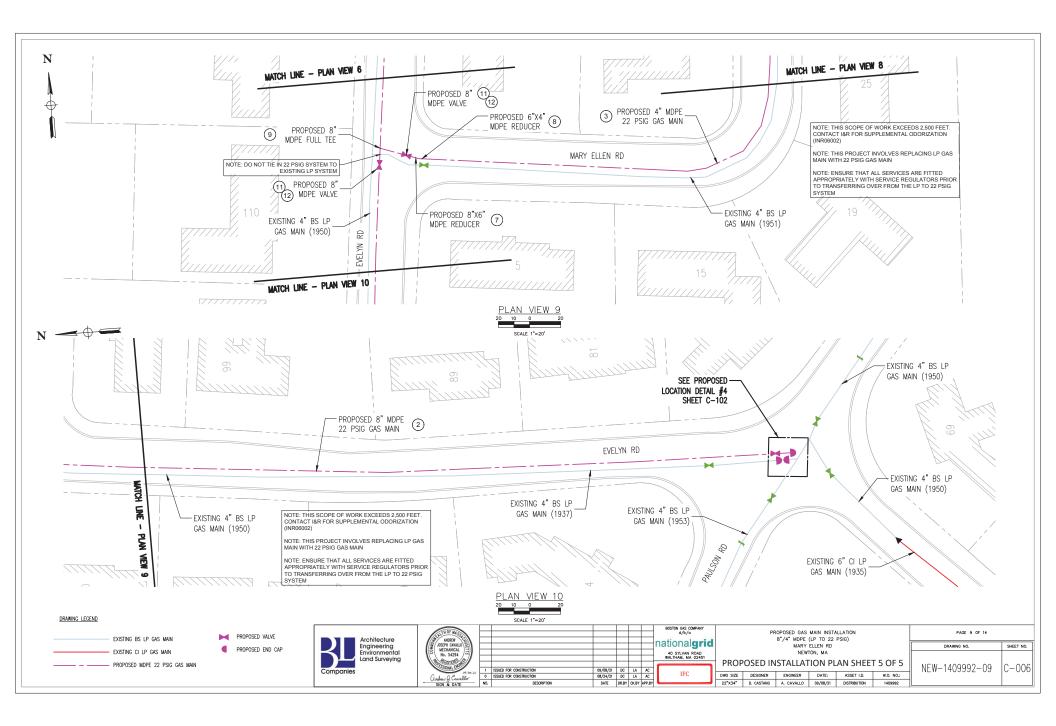


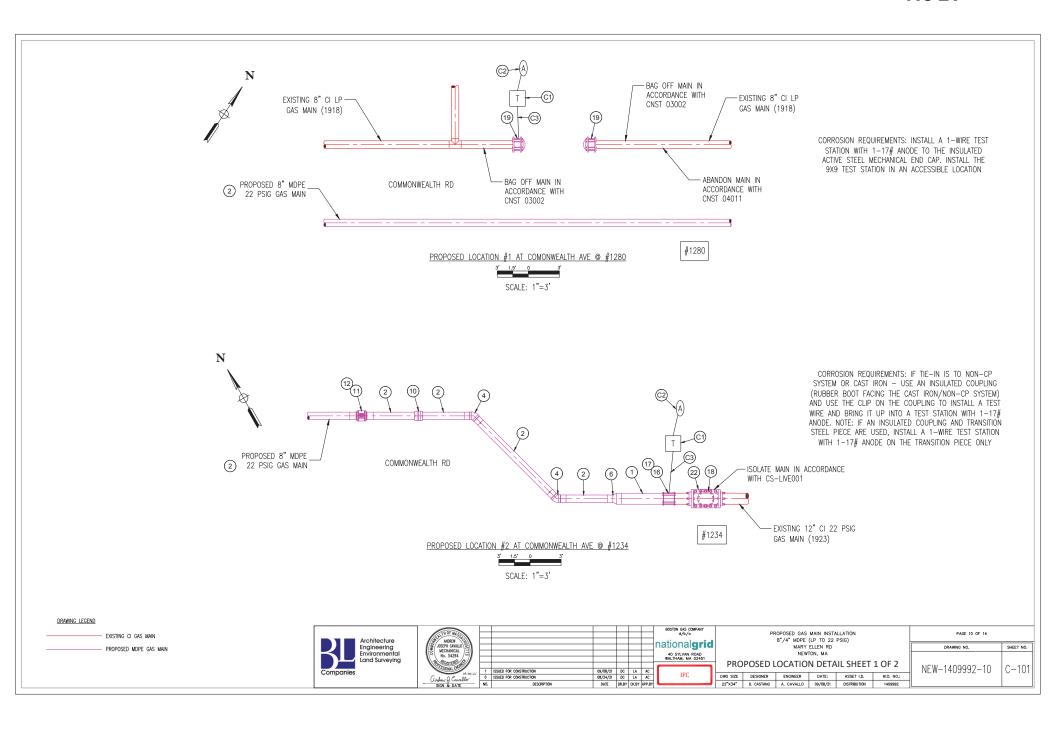


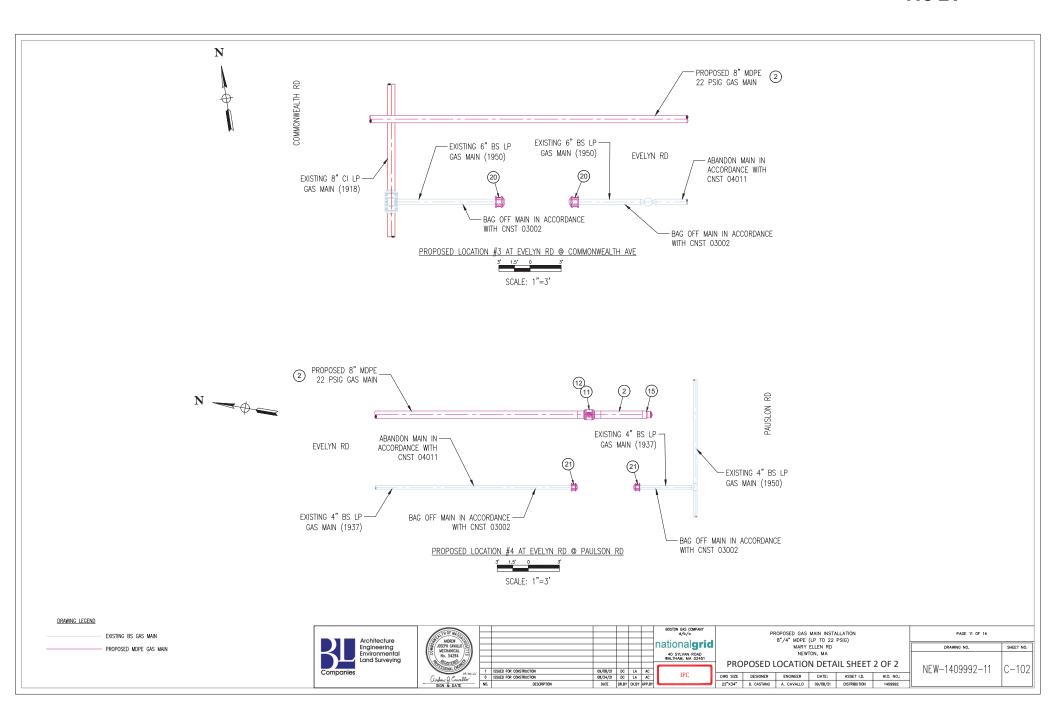


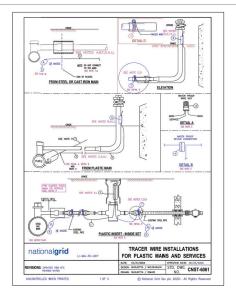


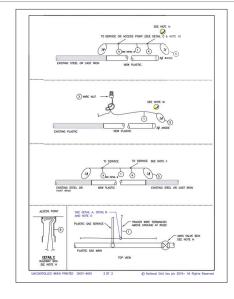






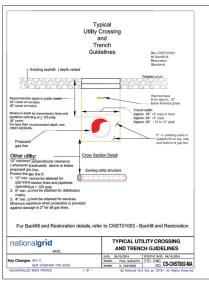


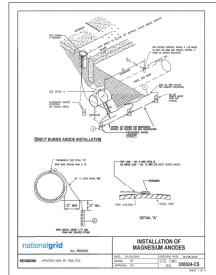


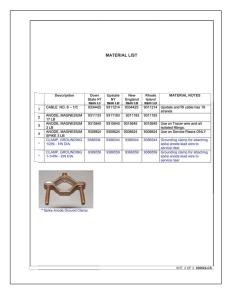


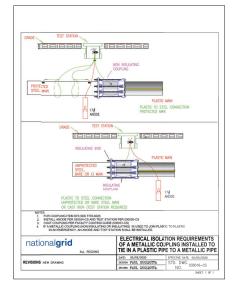
		LINYC/	
_		MASS UNY/H	
8	TRUCER WIRE SNAP, 2" (represents steel size)	9386134 938613	
8	TRUCER WIRE SNAP, 1 ½" (represents steel size)	9386156 938615	
8	TRICER WIRE SNAP, 1" (represents steel size)	9386150 938615	
8	TRICER WIRE SNAP, 15" (represents steel size)	9385568 938556	
7	CLAMP, STAINLESS	9331708 930787	
.0	VALVE BOX, ROADWAY	9339890 9312344 9311208	
5	ANDOE, 3 LB MAGNESIUM	9315645 931564	15
4	WIRE SPLICE CONNECTOR, WATERPROOF	9308036 930903	16
3	WINE NUT, PLASTIC, WATERPROOF	9331644 931463	31
2	WRE, DIRECTIONAL DRILL, STAINLESS, STRANGED 10 AWG	9314187 931418	17
1	TRICER WIRE, DIRECT BURY, COPPER, 12 AWG	9315005 931500	16
NO.	THEN	SAP ITEM ID	
	BILL OF MATERIAL		
iser. s sec C. Par new p	using a "tracer snap", Item & II, if he appropriate tracer snap is not a Do rot permanently attach tracer wire to the riser. Tracer wire shou uredu to the riser. rtially tubed services: When the abandoned portion of an existing st plast C, all cut out sections of the steel pipe to be inserted with plast contract and account of the steel pipe to be inserted with plast contract and account of the steel pipe to be inserted with plast contract and account of the steel pipe to be inserted with plast contract and account of the steel pipe to be inserted with plast contract and account of the steel pipe to be inserted with plast contract and account of the steel pipe to be inserted with plast contract and account of the steel pipe to be inserted with plast contract and the steel pipe to be inserted with plast contract and the steel pipe to be inserted with plast contract and the steel pipe to be inserted with plast contract and the steel pipe to be inserted with plast contract and the steel pipe to be inserted with plast contract and the steel pipe to be inserted with plast contract and the steel pipe to be inserted with plast contract and the steel pipe to be inserted with plast contract and the steel pipe to be inserted with plast contract and the steel pipe to be inserted with plast contract and the steel pipe to be inserted with plast contract and the steel pipe to be inserted with plast contract and the steel pipe to be inserted with plast contract and the steel pipe to be inserted with plast contract and the steel pipe to be inserted with plast contract and the steel pipe to be inserted with pipe to the steel pipe to be inserted with pipe to the pipe to the steel pipe to be inserted with pipe to the steel pipe to be inserted with pipe to the steel pipe to	Id not exceed 6' above the point when real service pipe is used as a sleeve for c, shall be connected using a section of	the
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NOTE: THE ENGINEER OF RECORD HAS REVIEWED THE PROVIDED NATIONAL GRID STANDARD DETAILS AND DETERMINED THEIR APPLICABILITY TO THE WORK IN THIS PACKAGE. THE ENGINEER OF RECORD DOES NOT CERTIFY THE ACCURACY OF ANY REFERENCED STANDARDS OR PROCEDURES NOT DIRECTLY RELATED TO THE WORK DESCRIBED IN THIS PLAN SET.

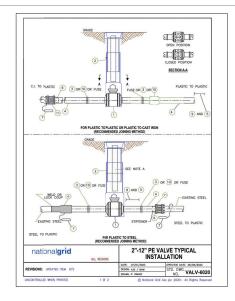


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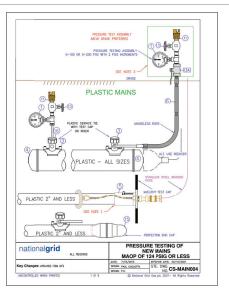
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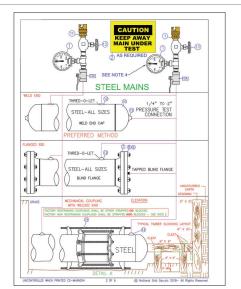
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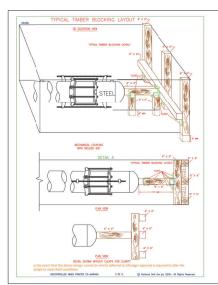
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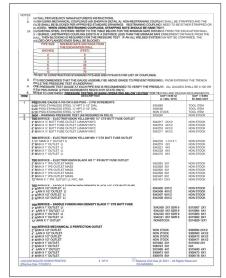


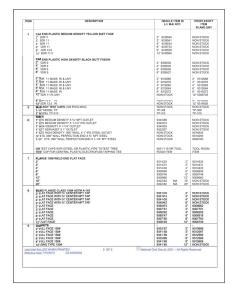


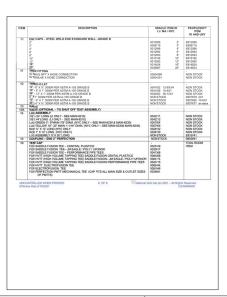












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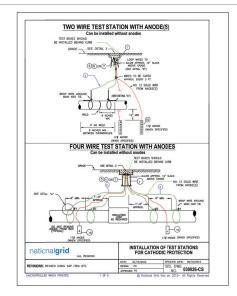


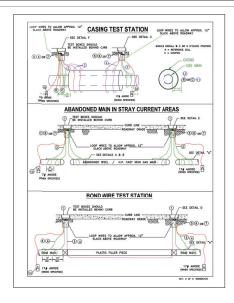
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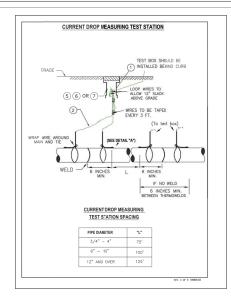
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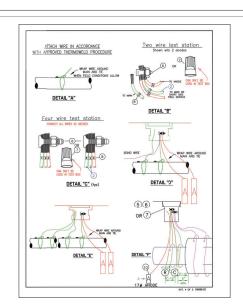
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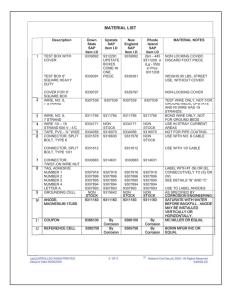
C - 202











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SHEET NO.

|C-203|

Final Label Report

SBL	L Owner		Street	Unit
53001 0008	LOOKNER SUSAN	1298	COMMONWEALTH AVE	
32035 0001	YU STEPHEN & SUSAN L	1320	COMMONWEALTH AVE	
32035 0002	CAPASSO DONATO D	1330	COMMONWEALTH AVE	
53003 0011	BERNHARD DAVID J	118	EVELYN RD	
53002 0009	MODIANO EYTAN & ISABELLE	119	EVELYN RD	
53002 0010	DAVIS KATHRYN A	125	EVELYN RD	
53003 0010	CHAU SHU NGON & EVA YEE WAH MOK	126	EVELYN RD	
53003 0022	MCKEAG MARK S	132	EVELYN RD	
53002 0011	ZHANG CECILIA	133	EVELYN RD	
53003 0009	WINNAY JONATHON	136	EVELYN RD	
53002 0012	GOLDFINE NEIL & DEBORAH A	141	EVELYN RD	
53003 0008	HUANG SZE FENG & ANN YIEN YU	144	EVELYN RD	
53002 0013	CHANG REBECCA G TR	149	EVELYN RD	
53003 0007	SHKLAR SE KYUNG O	154	EVELYN RD	
53002 0014	HU STEPHEN	157	EVELYN RD	
53003 0006	HANDEL TODD E	162	EVELYN RD	
53002 0015	CHANG YUN & KAY	165	EVELYN RD	
53003 0005	ROSENBERG JEFFREY	170	EVELYN RD	
53002 0016	HARRIS RUTH EVANS TR	175	EVELYN RD	
53003 0004	TAM MALINDA	180	EVELYN RD	
53001 0010	MACDONALD BRUCE A	189	EVELYN RD	
53003 0003	AISENBERG HELENE & MURRAY	192	EVELYN RD	
53001 0009	YU KAM H	197	EVELYN RD	
53003 0002	KLIMOV ALEX	202	EVELYN RD	
53003 0001	EVELYN DVLPMNT PTRS LLC	208-210	EVELYN RD	
53001 0025	REICH DEBORAH L	5	MARY ELLEN RD	
53001 0024	SOIBELMAN ISRAEL	15	MARY ELLEN RD	
53001 0023	SHEMS NESSY & ALICIA S	19	MARY ELLEN RD	
53001 0022	DAVIDSON LEONARD M & LAURIE E	25	MARY ELLEN RD	
53002 0008	CHERTOW JOY A	26	MARY ELLEN RD	
53001 0021	HOPKE JOERN	31	MARY ELLEN RD	
53002 0007	DORSCH WARREN	34	MARY ELLEN RD	
53001 0020	EHRLICH DANA M & NOEMY	39	MARY ELLEN RD	
53002 0006	BERTSCHINGER EDMUND W	44	MARY ELLEN RD	
53001 0019	BERGSTROM SVEN	47	MARY ELLEN RD	
53002 0005	SETH FRANCES P TR	50	MARY ELLEN RD	
53001 0018	TAUBMAN JOAN P	55	MARY ELLEN RD	
53002 0004	YU BOWEI	60	MARY ELLEN RD	
53001 0017	CUNNINGHAM KENNETH E TR	65	MARY ELLEN RD	
53002 0003	WEIN CAROL & MARJORIE S TRS	70	MARY ELLEN RD	
53001 0016	MACLEAN RODERICK G S	71	MARY ELLEN RD	
53002 0002	TANG EDDIE TAK CHI & WENDY WONG	78	MARY ELLEN RD	
53001 0015	MAO BOBBY FO CHUNG	79	MARY ELLEN RD	
53001 0014	PORT CYNTHIA TR	85	MARY ELLEN RD	
53001 0013	CHAN GARY S & LILLIAN E	91	MARY ELLEN RD	

Wednesday, November 10, 2021 Page 1 of 2

SBL	Owner	Number	Street	Unit
53002 0001	CHANG SANDRA	94	MARY ELLEN RD	
53001 0012	FAN JOHN E	99	MARY ELLEN RD	
53001 0011	GROSS ROBIN S	107	MARY ELLEN RD	
53004 0003A	ANTHONY TODD E	3-5	TROY LN	5
53004 0003	SAVOULIDES NICHOLAS	3-5	TROY LN	3