78-23

nationalgrid

6" PREFABRICATED REGULATOR STATION INSTALLATION
& EXISTING STATION ABANDONMENT
STATION #123 - 22 PSIG TO L.P.
CALIFORNIA ST @ BRIDGE ST, NEWTON, MA
W.O. NO.: 90000228066





LEGEND & BILL OF MATERIAL: CONSTRUCTION NOTES EXISTING CONDITIONS XISTING CONDITIONS

> SR-123-90000228066 C-002 SR-123-90000228066 C-001 SR-123-90000228066 C-003

INDEX OF SHEETS



LOCATION MAP



nationalgrid

SR-123-90000228066 G-001 COVER - LOCATION MAP

5



INSTALLATION & MAINTENANCE POLICY FOR CUBH VALVES ON SERVOE LINES WITH INSTALLED DON'T HAVE CAPACITIES OVER 1,000 SCFH THAT DON'T HAVE EXCESS FLOW VALVES EXCESS FLOW VALVE REQUIREMENTS ON HP SERVICES ALUMINUM HYDRAULIC SHORING – WALER SHORES FOR SOIL TYPE B ALUMINUM HYDRAULIC SHORING - WALER SHORES FOR SOIL TYPE C : METHODS OF ISOLATION FOR HOT WORK COMPLETION AND PROCESSING OF GAS SERVICE RECORD CARDS HOT TAPPING MD BRANCH SADDLES OFF 4IN — 12IN 60 PSIG MAOP LIVE PLASTIC GAS MAIN USING MCELROY HOT TAPPING TOOL INSTALLATION OF MAGNESIUM ANODES
INSTALLATION OF TEST STATIONS FOR CATHODIC
PROTECTION INSTALLATION OF MARKER TAPES AND EMS PIPELINE LOCATIONS FOR MAINS AND SERVICES SHORES FOR SOIL TYPE A PRESSURE TESTING OF NEW MAINS MAOP OF 124 PSIG OR LESS STANDARD FLOW TEST PROCEDURE FOR MAIN BAG-OFF LOW PRESSURE MAINS NOTIFICATION OF CUSTOMERS INVOLVED IN THE INTERRUPTION OF GAS SERVICE RELOCATION OF METER SET ASSEMBLIES INSIDE TO OUTSIDE 1/2 INCH - 3 INCH POLYETHYLENE GAS SERVICE VALVE INSTALLATION TRAFFIC PLATE SPECIFICATION AND HANDLING OF TRAFFIC PLATES INSTALLATION OF POLE MOUNTED CATHODIC PROTECTION RECTIFIER SUPPORT REQUIREMENTS FOR EXPOSED AND UNDERMINED STEEL OR PLASTIC GAS FACILITIES TEMPORARY SUPPORTS SPACING GUIDELINES FOR CAST IRON MAINS TRACER WRE INSTALLATIONS FOR PLASTIC MAINS AND SERVICES SHORING - VERTICAL NO-INTERRUPT 1 INCH CTS AND 1-1/4 INCH CTS SERVICE TRANSFER (NIST) I.P TO 60 PSIG SEE FINAL PAGE(S) FOR APPLICABLE STANDARD DESIGN DRAWNG: INSTALLATION OF IMPRESSED CURRENT ANODE VENT INSTALLATION FOR GAS MAIN CASINGS PROTECTIVE STEEL PLATING FOR GAS MAINS. SERVICES INSTALLATION OF INSULATING JOINTS CATHODIC PROTECTION ANCHORAGE FOR CI TO STEEL NON-RESTR NSULATING COUPLING, LP AND HP. SR-123-90000228066 G-002 TYPICAL 1-1/4" SERVICE OUTSIDE SETS
TYPICAL 2" SERVICE METER/SERVICE RELOCATION GUIDELINE TYPICAL 1/2" SERVICE OUTSIDE SETS INSTALLATION OF SUBMERSIBLE PROTECTION RECTIFIER TYPICAL 1/2" SERVICE INSIDE SETS TYPICAL 1" SERVICE OUTSIDE SETS TYPICAL 1" SERVICE INSIDE SETS PAGE 02 OF TYPICAL UTILITY CROSSING GUIDELINES INSTALLING WRE CONNECTIONS ALUMINUM HYDRAULIC SHORES FOR SOIL TYPE B ACCEPTABLE PERFORMING HO CS-SERV010: HTAP-6010: CS-CNST002: CS-SERV009: 030024-CS: 030026-CS: CS-SERVOOT: CS-SERV002: CS-SERV003: CS-SERV004: CS-SERV005: A. 030018-CS: D. 030028-CS: CS-LIVE001: CS-MAIN004: Q. SERV-5075: 030036-CS: 060022-cS: 060023-CS: CNST06020: CNST06030: SERV-6185: S. VALV6110: CNST6030: CNST6045: CNST6046: CNST6060: CNST6087: CNST6088: CNST6089: CNST6061: U. MAIN6010: V. MAIN6100: CONSTRUCTION NOTES CALFORNIA ST ® BRIDGE ST REGULATOR STATION REPLACEMENT CALFORNIA ST & BRIDGE ST NEWTON, MA STOP-OFF OPERATIONS ON LOW PRESSURE MAINS GENERAL CONSTRUCTION REQUIREMENTS AND PIPE HANDLING EXCAVATION AND EXCAVATION NUTFICATION REQUIREMENTS FOR UNDERGROUND FACILITIES FOR MASSACHUSETTS AND RHODE IS.AND LOCATE AND MARK-OUT OF UNJERGROUND FACILITIES CHANGE CONTROL PROCEDURE FOR COMPLEX CONSTRUCTION PROJECTS. SPECIFICATION AND HANDLING OF TRAFFIC PLATES SERVICE SPECIFIC CONSTRUCTION STANDARDS, GAS PCLICIES AND WORK METHODS: CUSTOMER METER AND SERVICE REGULATOR DESIGN AND INSTALLATION POLICY 1, ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST VERSION OF MANDAL GOOD STANDARDS & POLICY, MATERIAL STANDARDS AND SECIFICATIONS AND TECHNICAL COMMUNICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACCESS NATIONAL GRID ANTA. LOCATE AND MARK-OUT REQUIREMENTS FOR UNDERGROUND GAS FACILITIES PIPELINE MARKERS FOR MAIN AND TRANSMISSION LINES PROCEDURE FOR LOCATING AND MARKING OUT SUB-SURFACE FACILITIES CHANGE CONTROL PROCEDURE FOR STANDARD CONSTRUCTION PROJECTS PURGING PROCEDURES FOR CUSTOMER METER SERVICES WORK SHALL BE PERFORMED IN ACCORDANCE WITH NATONAL GRID GAS POLICIES AND WORK METHODS, INCLUDING BUT NOT LIMITED TO: PREPARATION OF GAS FACILITY HISTORICAL RECORDS PROCESSING GAS MAIN AND NEW SERVICE WORK PACKAGES STOP OFF OPERATIONS FOR KLEISS EQUIPMENT INSTALLING STEEL DISTRIBUTION MAINS COMMERCIALLY AVAILABLE SHORING SYSTEMS PURGING OPERATIONS - DIRECT DISPLACEMENT PURGING OPERATIONS - COMPLETE INERT FILL PURGING OPERATIONS - SLUG METHOD SUPPLEMENTAL ODORIZATION FOR NEW PIPING PURGING REQUIREMENTS FOR GAS PIPELINES INSTALLATION OF DRESSER 700 COUPLINGS GEN01100: OPERATOR QUALIFICATION PLAN SYSTEM OPERATING PROCEDURE (SOF) INSTALLATION OF POLYETHYLENE PIPE ENCAPSULATING CAST IRON JOINTS FIELD COLD BENDING OF LINE PIPE INSTALLING DISTRIBUTION SERVICES NO-INTERUPT SERVICE TRANSFER NO-INTERRUPT SERVICE TRANSFER GROUTING ABANDONED PIPELINES JOINING OF PLASTIC PIPE BACKFILL AND RESTORATION JOINTS OTHER THAN WELDED SQUEEZE-OFF OPERATIONS INSTALLING PLASTIC MAINS ABANDONMENT OF MAINS NATIONAL GRID STANDARDS & POLICY 1025/2022 DMJ JDL MEP DATE DRBY CKBY MP-BY EE. INRO6002: FF. MAIN5030: GG. MECH5010: HH. 030018—CS: CNST03002: CNST03005: CNST04012: CNST05001: CNST01003: AA. GEN01100: BB. GEN03002: CNST03008: CNST04005: CNST04007: CNST01006: CNST03001 CNST03007 CNST03011: CNST03014: CNST04011: CNST05011: CMS03002: B. CMS04002: CNST03011: Y. DAMG5020: CC. GEN03003: DAM01015: W. DAM01016: DAM01020: DD. GEN03004: Ą. 1. THE CONTRACTOR SHALL BE RESENOBBLE FOR CONTRACTISATION OF ALL DEWALTENON FLUIDS INTO FRACE THANKS THRE OFF-STEE DISCOLAR DEWALTENON FLUIDS. FOROLWO SURFACE, COLLECTINA UTILITIES ON REDEBENING WITH REPORTED, DEPER EXCANATIONS SHALL BE PROTECTED WHEN FEASIBLE TO PREVENT INTRODUCTION OF STORWARTER REMOTER AND/OF PRECIPIENT INTO THE EXCANATIONS, FOR THE STORMANT BY THE STORMANT SHALL SHOULD THE EXCANATIONS, FOR THE STORMANT SHALL SHOULD THE DESCONATIONS, FOR THE STORMANT SHOULD SHALL SHOULD MAKE AN EFFORT TO DEWALTER FROIGHTY DURING THE WORK. THE CONTRACTOR SHALL COMPLETE MISCELLANEOUS WORK NOT SPECIFICALLY SHOWN ON THE CONTRACT DRAWINGS SUCH AS PAYEMENT PATCHING, TRENCH & EQUIPMENT BLOCKING, TREF TRIMMING, ETC. TITLE 49: PART 192 TRANSPORTATION OF NATURAL AND OTHER GAS BY PIPELINE: MINIMUM FEDERAL SAFETY STANDARDS INDICATED IN THIS DRAWNG SETOR IMPACTED BY THEIR CONSTRUCTION WORK. PROPERTY DAMAGED OR REMOVED SHALL BE RESTORED TO AT LEAST AS 8000 A COMDITION AS BETORGE BEIND DISTURBED AS DETERMINED BY MATRONAL GRD, ANY DAMAGED TREES, SHRUBS, AND/OR HERDLACES SHALL BE REPLACED AT THE CONTRACTORS DEPR NATIONAL, GRID RESERVES THE RIHT TO EXAMINE ANY WORK DONE ON THIS PROJECT AT ANY TIME TO DETERMINE THE CONFORMANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS OF THIS PROJECT, AS INTENDED AND INTERPRETED BY YAMITONAL GRID. CONTRACTOR SHALL BE RESPONSBLE FOR DEWITEBING AND THE MANTENANCE OF STRAFFOE DEPAINAGE DURING THE COURSE OF WORK. CONTRACTOR SHALL MAINTAIN ENSITING SITE DRAINAGE OF THERMS THROUGHOUT CONSTRUCTION UNLESS OTHERWISE SHOWN ON THE PLANS. CONTRACTOR SHALL TAKE CARE TO PREVENT DAMAGE TO ALL OTHER EXISTING UTILITIES, DAMAGED UTILITIES SHALL BE IMMEDIATELY REPARED BY CONTRACTOR AT THE CONTRACTORYS EXPRISE. ASME B31.8: GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS ALL PAVEMENT PATCHING SHALL CONFORM TO RESTORATION PLANS AND DETAILS AS AGREED WITH EACH TOWN PERMIT OR TRENCH RIDER AND/OR APPLICABLE STATE OR AGNECY PERMITS. ALL TRENCH EXCAVATION AND ANY REQUIRED SHEETING AND SHORNG SHALL BE DONE IN ACCORDANCE WITH THE LATEST REVISIONS SHAULD GRID STANDARDS AND POLICIES AND ALSO ANY APPLICABLE STATE DOT STANDARDS. ALL FRAMES/COVERS WITHIN PAVED AREAS SHALL HAVE THE TOPS SET FLUSH WITH THE EXISTING PAVEMENT GRADE. IN LANDSCAPED AREAS, ALL FRAMES SHALL BE 0.1" ABOVE GRADE. ALL NECESSARY PRECAUTION FOR THE SAFETY OF THE PUBLIC STALL BE TAKEN, ALL BARRIERS, WARNING LIGHTS AND OTHER DEVICES AND EQUIPMENT REQUIRED BY FEDERAL, STATE AND LOCAL AUTHORITES SHALL BE MAINTAINED. NATIONAL GRID TO PROVIDE PROCEDURE FOR INSTALLATION AND THE-IN SEMUENCE. WORK SHALL CONFORM TO ALL LOCAL, STATE, AND FEDERAL CODES. WHERE ANY CONFLICTS OF CODES, STANDARDS AND REGULATIONS MAY EXIST, THE MORE STRINGENT CODE, STANDARD, OR REGULATION SHALL APPLY. ALL REFERENCED CODES SHALL BE IN ACCORDANCE WITH TH VERSION APPROVED BY PHMSA AT THE TIME OF CONSTRUCTION. 0 ISSUED FOR CONSTRUCTION
NO. DESCRIPTION CONTRACTOR SHALL MAINTAIN ALL TRAFFIC IN ALL AREAS ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL UNIFORM TRAFFIC CONTROL DEVICES. 100.00 - 113.00: MASSACHUSETTS GAS DISTRIBUTION CODE AMERICAN SOCIETY OF MECHANICAL ENGINEERS 220 CMR: DEPARTMENT OF PUBLIC UTILITIES NFPA 70: NATIONAL ELECTRIC CODE 11/120 FEDERAL & STATE: nationalgrid 40 SYLVAN ROAD WALTHAM, MA 02451 E 26. 20. 23. 24. 25. 22. 17. THE PLANS SHAN SHORPING AS STRUCTURES, ADDR. GROUND 2. STRUCTURES, AND/OF UNITHINSTROAD FIELD LOCK HOW HAN PARTICULAR THOUSE THE CONTRIBUTION THAT SHOWN OF MAY NOT BE SHOWN, AND IT SHALL BE THEIR RESOURCE THE CONTRIBUTION TO PROCEED WITH 2 GREAT CARE IN SECURING MAY WORK. REGULATOR STATION WITHIN THE SCOPE OF THE JOB OR WITHIN 200 FEET OF THE TIE-IN 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. FOR INSTALLATION OF "DEAD" PIPE, PLASTIC INUNE TEES AND BRANCH SADDLES ARE INTERCHANGEABLE PROVIDED THE SADDLE IS TAPPED OUT TO THE MAXIMUM SIZE ALLOWED BY THE MANUFACTURER. EVEN IF NOT FIELD MARKED BY DISSAFE, CONTRACTOR SHALL VERIFY THE LOCATION OF ALL REGULATOR VAULT SENSE AND CONTROL PRIOR TO CONSTRUCTION, THIS SHALL BE DONE IN CO-ORDINATION WITH NATIONAL GROD DAMAGE PREVENTION AND I&R. CONTRACTOR SHALL COMPLETE SUBSURFACE UTILITY ENICHERING QUALITY LEVEL A - TEST HOLES, ITST PITS OR O'HER PH'SICAL VERIFICINON OF REQUIRED EXISTING GAS MAIN AND OTHER L'ITLITY LOCATIONS AND BEFIHS PRIOR TO CONSTRUCTION. THE PIPE ALIGNMENT IS SHOWN FOR REFERENCE ONLY AS APPROVABLED. S. FEET FROM HE EXSTRIC MANN (BASED ON AVAILABLE RECORD INFORMATION). THE CONTRACTOR SHALL BE EXCONDED FOR PROVIDING ALL FIELD LAYOUT AND ACTUAL PIPE ALLOWARDT AND FACILITY LOCATION. ALL IDRAMING DIMENSIONS SHOWN ARE ESTIMATED AND ARE FOR REFERENCE ONLY. CONTRACTOR IS RESPONSIONED FOR CONTRINUE FOR ALLOWING SHOW TO PABRICA AIDNE BASED ON A TOLAL FIELD ORDRIGHOUS, AND FOR ALLOWINGS, SUFFICIENT FIELD WELDS TO ACHIEVE THE COMPLETED ASSEMBLY. THE CONTRACTOR SHALL PROTECT AND MAINTAIN DIG SAFE FIELD MARKS, ANY EXSTING PROPERTY LILLS MOUNDACTION ON OTHER EXISTING SHAREY STAKES OR FIELD MARKS, THE CONTRACTOR SHALL REPLACE AT THEIR EXPENSE ANYTHING DISTURBED OR DESTROYED. 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. STANDARO REGULATOR VAULT FABRICATED BY OTHER. DELIVERY OF NAULT SEL COORDINATED WITH BAY STATE PIPING. COUNTRACTOR SHALL UNLOAD AND SET THE VAULT IN THE LOCATION SPECIFIED IN THESE DRAWINGS. PROPERTY UNES SHALL BE MARKED OUT ON SITE BY CONTRACTOR PRIOR TO EXCAVATION TO CONFIRM PLACEMENT OF FACILITES IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUANTING THENSELVES WITH THE CONDITIONS ON THE SITE AND FOR ESTIMATING PROPERLY THE DIFFICULTY AND COST TO SUCCESSFULLY PERFORM THE WORK. THE CONTRACTOR IS INSTRUCTED TO COOPERATE WITH ANY AND ALL OTHER CONTRACTORS PERFORMING WORK ON THIS JOB SITE DURING THE PERFORMANCE OF THIS CONTRACT. THE CONTRACTOR SHALL RESTORE PAVEMENT, LAWNS, DRIVEMAYS, CULVERTS, SIGNS AND OTHER PUBLIC OR PRIVATE PROPERTY AS TE-IN LOCATIONS MAY VARY UP TO 100 FEET OF THE PROPOSED LOCATION TO ACCOMMODATE CONSTRUCTION, EXCEPT FOR WHEN THE FOLLOWING CONDITIONS APPLY: CHANGE TO THE NUMBER OF CONNECTIONS (ADDITIONAL ADDED FROM AN INTERSECTION OR OTHERWISE). WHEN RELAYING A LOWER PRESSURE MAIN WITH A HIGHER-PRESSURE MAIN, ALL SERVICES SHALL BE RELAYED OR INSERTED. WHEN RELAYING A LOWER PRESSURE MAIN WITH A HIGHER-PRESSURE MAIN, ALL SERVICES SHALL BE RELAYED OR INSERTED. MATERIAL/SIZE CHANGE AT NEW LOCATION. PROJECT SPECIFIC NOTES 13 14 1. NO FIELD CHANGES SHALL BE MADE TO THIS PLAN WITHOUT APPROVAL OF ASSIGNED NATIONAL GRID PROJECT ENGINEER AND THE CONSTRUCTION SUPERVISOR. REFER TO CNST—6030 FOR SHALLOW MAINS, PRIOR TO INSTALLING GAS, MAINS WITH ESS. THAN 24 INCHES OF COVER, COMPLETE REQUEST FOR WANCE FORM AND CONTACT GAS PIPELINE SAFETY & COMPLIANCE FOR APPROVAL: JENNIFER CILLIS = (617) 594-5157 (MA EXCLUDING CAPE AND WEBSTER) F A PREPOSED TOP TEE CONNECTION RESULTS IN A SHALLOW MAIN THAT CANNOT MEET THE WAVER CRITERIA, A FULL TEE CONNECTION IS AN ACCEPTABLE ALTERATING. A SPHERGE AT ACCEPTABLE AND APPROVED THE APPROVIAL FROM NATIONAL GRID STRATEGIC ASSET AND SYSTEM PLANNING. ALL MAINS SHOULD BE INSTALLED WITH A CLEARANCE OF 12 INCHES FROM OTHER FACILITIES. VALVES DEPICTED IN THE DESIGN ARE THE MINIMUM REQUIRED FOR SECTIONALIZING, ISOLATION, CRITICAL VALVES, AND/OR TO ACCOMMODATE TEI-INS, ADDITIONAL FULL PORT VALVES MAY BE ADDED TO ACCOMMODATE CONSTRUCTION. VALVES FOR BRANCHES AT INTERSECTIONS SHOULD BE FIELD LOCATED JUST OUTSIDE OF THE INTERSECTION WHERE EASILY ACCESSIBLE, PRIOR TO THE FIRST SERVICE. NEW MAINS SHALL BE INSTALLED IN ACCORDANCE WITH THE TYPICAL TRENCH DETAIL INCLUDED IN THESE DRAWINGS, UNLESS NOTED OTHERWISE. FOR DISTRIBUTION MAINS AND TRANSMISSION MAINS OPERATING UP TO 200 PSIG, CAUTION TAPE (MIN. 6 INCHES MDE) SHALL BE INCLUDED ONE FOOT BELOW GRADE. LIEN GAUTHIER - (617) 438-9069 (MA EXCLUDING CAPE AND WEBSTER) THE ACTUAL ROUTE AND ALL VERTICAL AND HORIZONTAL OFFSETS ARE TO BE FIELD ROUTED WITHIN THE PUBLIC RIGHT-OF-WAY BASED ON THE ACTUAL LOCATION OF EXISTING UTILITIES. ADDITIONAL FITTINGS NOT SHOWN WILL BE REQUIRED. ELBOWS SHOWN ARE ASSUMED TO BE 45 DEGREES IN MOST APPLICATIONS, 22.5 AND/OR 90 DEGREE ELBOWS MAY BE NEEDED BASED ON FIELD CONDITIONS. APPROPRIATE PROTECTIVE MEASURES SHALL BE USED TO PROTECT THE CAS FACILITY IF MINIMUMS CANNOT BE ATTAINED. APPROVAL IS REQUIRED BY GAS SYSTEMS ENGINEERING. 36 INCHES OF COVER FROM FINAL GRADE WHERE PRACTICAL STATE HIGHWAY MINIMUM COVER: 36 INCHES (IRRESPECTIVE OF SCOTT HITCHCOCK (617) 719-2925 SCOTT.HITCHCOCK®NATIONALGRID.COM SAND PADDING IN ALL DIRECTIONS, 6 INCHES MINIMUM. JEREMY BUTLER (774) 245–9134 JEREMY:BUTLER®NATIONALGRID.COM REPLACE THE EXISTING REGUALTOR STATION WITH A NEW PREFABRICATED DISTRICT REGULATOR STATION. DISTRIBUTION MAIN MINIMUM COVER: 24 INCHES DISTRIBUTION MINIMUM CLEARANCE: 6 INCHES 3. MINIMUM IN PRIVATE PROPERTY: 12 INCHES NATIONAL GRID WORK ORDER NUMBER 90000228066 SHOULD BE 24 INCHES MINIMUM IN PUBLIC ROW 18 INCHES CALIFORNIA ST @ BRIDGE ST, NEWTON NATIONAL GRID CONTACT INFORMATION: SERVICES MINIMUM COVER: I&R SUPERVISOR: CELL NUMBER: EMAIL: ENGINEER: CELL NUMBER: EMAIL: MAIN TYPE)

SCOPE OF WORK:

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SHETTY PROCEDURES COVER THE FOLLOWING B. SHEGODOI: NO GERESS. — MALKING WORKING NO INCARDOOLS GOUTHERAL HANDING AND SHOWN THE PROCEDURE OF THE AND MINNES. — INCARDOUNG AND SHOWN SHEEP FORDER THE FOLLOWING THE WORK MAN WORKED THE PROCEDURE THE THE PROCEDURE TO LEGISLATE TO COME INTO COUNTING COME AND WORKING WORK SHALE BE PROVIDED TO LEGISLATE THE AND PINNO SHARE	CALIPORNA SI @ BRIDGE SI REGULATOR STATION REPLACEMENT CALIFORNA SI & BRIDGE ST NEWTON, MR CONSTRUICTION NOTES	CONSTRUCTION NOTES	BR ENGINEER DATE: ASSET ID. MES JI LAMBERT 1025/2022 XXXXXXXX
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Q V Q Q Q Q V Q Q		CONCRETOR	TION DATE
PENNE FOR SCHEDULING OF PROJECT CW WAS TO STATIONS, WIRES AND/OR MARKSIOUR AND ALAWA GRONNIE (781) 279-7831 STATIONS, WIRES, AND/OR MARKSIOUR AND OR DAMAGED, NOTIFY THE NATIONAL TO SE REQUIRED PROGRO TO BROTALLATION OF INSULU WERS, VALVES AND OTHER CARRON S BE BURD WIGH ARE NO FACTORY CON CE SHALL BE FILD COATED. CROCKED WED OTHER CARRON S FROM CESTALL BE FILD COATED. CROCKED OF PRE CARRON S STEEL PIPE CROCKED OF PRE CARRON S STATUS S POR CARRON S PROJECTION S STATUS S PROTECTION S PRO	18/02/03/03/03/03/03/03/03/03/03/03/03/03/03/	A SOUTH FOO CONSTRUCTION	MAGALIAN O SALED FOR CONSTRUCTION NO. DESCRIP
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2. WANGS3D: PPE SUPPORT ON BRDGES A. WECHGOD: CONNECTION OF DISSBULRA POLYETHYLENE BB. WECHGOZO: CONNECTION OF DISSBULRA POLYETHYLENE CONNECTION OF DISSBULRA POLYETHYLENE BLASTIC PIPE WITH ELECTROFUSION OR MECHANICAL SADOLL TEE CONNECTION OF DISSBULRA POLYETHYLENE CONNECTION OF DISSBULRA POLYETHYLENE PLASTIC PIPE WITH MECHANICAL COUPLING - JULY IN STELL REGULATOR STATION OR DISSBULRA THOSA VALVEOLO: STELL VALVE INSTALLATIONS 2 IN - 12 IN, FOR BITTERS AND STREAD CHERCHING UP TO 124 PSI GG. WALVEOLO: STELL VALVE INSTALLATIONS 2 IN, - 12 IN, FOR BITTERS AND STREAD CHERCHING UP TO 124 PSI GG. WALVEOLO: STELL VALVE INSTALLATIONS C IN, - 12 IN, FOR WITH ALL AND STREAD CHERCHING UP TO 124 PSI GG. WALVEOLO: STELL VALVE INSTALLATIONS C IN, - 12 IN, FOR WITH ALL AND STREAD CHERCHING UP TO 124 PSI GG. WALVEOLO: AS FREE CONTRACTIONS RESPONSBILLY TO ACCESS MATIONA CINE STANDARD AND WINK METHODS TO RESPONSBILLY IT IS THE CONTRACTIONS RESPONSBILTY TO ACCESS MATIONA CINE STANDARD AND WINK METHODS TO RESPONSBILTY IN IN INVIDIAL GROUD CAS WORK MATIONS TO THE CONTRACTIONS SEE PILL IN MATINIAL SIDE OF AN OFFICE TO APPLICABLE AND PROCEDURES AND THE CONTRACTIONS SEE PILL IN MATINIAL SIDE OF AN OFFICE TO APPLICABLE AND THE CONTRACTION THE BOW MAY BE REQUIRED AND IS THE RESPONSBILTY OF THE CONTRACTION THE BOW MAY BE REQUIRED AND IS THE RESPONSBILTY OF THE CONTRACT OF A SECULATOR STATIONS B. ENGOZODI: DESIGN OF GAS REQUIATION STATIONS B. ENGOZODI: DESIGN OF GAS SERVICES IN MADOP / WINNIAMM OPERATING PRESSURE: 14* WC CONTRACT PRESSURE: 12 PSIC CONTRACT PRES			
2. MANN STATES AN MECHEGORO: BB. MECHEGORO: CC. MECHEGORO: EE REGLEGORO: FF. VALVEORO: GG. VALVEORO: GG. VALVEORO: GG. VALVEORO: GG. VALVEORO: HH. DAMGGORO: HH. DAMGGORO: HH. DAMGGORO: HH. DAMGGORO: GG. VALVEORO: HH. DAMGGORO: HH. DAMGGORO: GG. VALVEORO: HH. DAMGGORO: HH. DAMGGORO: GG. VALVEORO: HH. DAMGGORO: HH. DAMGORO: HH. DAMGGORO:			

DUST CONTROL METHODS INCLUDE SPRINKLING WATER OR MULCHING. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING STREET SWEEPING (AS NEEDED) TO LIMIT OFF—SITE TRACKING OF SOILS.

SHALL REVIEW THE FOLLOWING ENVIRONMENTAL PROCEDURES:

ENCOUNTERING SOIL OR LIQUIDS SUSPECTED OF OIL AND/OR HAZARDOUS MATERIALS DURING NS

I: HANDUNG CONTAMINATED MATERIALS AND PIPING EST WANAGEMENT PRACTICES OF SIPE MANAGEMENT RATE SIPE OF SIPE MANAGEMENT TO PREVEN FOR THE SUBJECT TO OFFER ENVIRONMENTAL SINS. IT SIPE CONTROLOGISS RESPONSIBILITY TO REVIEW

HE ENVIRONMENTAL DEPT. BEFORE DIGGING IF THIS LLOCATED IN A POTENTIALLY CONTAMINATED AREA, ET OF WELLANDS/ BODIES OF WAITER, WITHIN 200 FEET STIREAMS, AND/OR A FLOODPLAIN AS NOTED ON HID ARCIGIS MAPS.

REQUIREMENTS:

BE UMITED TO THE EXISTING RIGHT-OF-WAYS, UNLESS D.

PERMITS FOR SCADA INSTALLATION TON STREET OPENING PERMIT

TON GRANT OF LOCATION

PERMIT

OWN IS BASED UPON TOPOGRAPHIC DETAIL SURVEY CHA CONSULTING, IN MAY OF 2022.

VY IDENTIFED UNDERGROUND UTILITIES IS APPROXIMATE
OT WARRAYTED TO BE CORRECT. ADDITIONAL UTILITES
H ARE NOT INDICATED ON THESE PLANS, ALL EXISTING
BE VERHEID BY THE CONTRACTOR FOR SERVICE, SIZE,
NNS, LOCATION, FTC.

1 SET IS REPRENCED TO THE MASSACHSLETTS NABB3
ALL CONDININET SYSTEM LERVANDORS ARE MASED ON THE
REPRORAN VERTICAL DATUM OF 1988 (NAVIORS), US SURVEY
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TOWNED, NOT RECOVERABLE, OR A DOSCREAMON TO STOWO.
S SHOULD ONTET THE SERVENCE AND MAINTANE, GRO IN
REGRAT TO COMMENTANE.

RMATION:

TAVFRNA, P.F.
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COMMONWEALTH AVENUE
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796 – 1020

ON TELECOMMUNICATIONS
THES STANDISH BLVD
ON. MA 02780
409 -3160

NAL GRID LVAN ROAD IAM, MA EMERGENC Y: (800) 640-1595

SR-123-90000228066 G-003

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PAGE 03 OF 12

78-23

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SR-123-90000228066 G-004

LEGEND & BILL OF MATERIALS CALIFORNIA ST ® BRIDGE ST REGULATOR STATION REPLACEMENT CALIFORNIA ST & BRIDGE ST NEWTON, MA

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DATE DRBY CK BY APP BY

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NO. DESCRIPTION

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PAGE 04 OF 1

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1	\rightarrow		1-1/4	0.191	API 5L PSL-1	GRADE B		120020-MS	NATIONAL GRID	NON STOCK	IRBY
1	-		12	0.375	API 5L PSL-2	GRADE B		120020-MS	NATIONAL GRID	9340771	WILMINGTON
1	_	FT PIPE, COATED W// 1040 PRITEC	80	0.322	API 5L PSL-2	GRADE B		120020-MS	NATIONAL GRID	9340825	WILMINGTON
1	-	EA ELBOW, 90 DEG, LR, BW, SEGMENTABLE	12	0.375	ASTM A234, ASME B16.9	GRADE WPB		MATL-3100	NATIONAL GRID	9315521	WILMINGTON
E.W.YALUERON 12 0.125 AMERIEDA 17 AMERIEDA MATCHERON INTERNACION MATCHERON 18 0.125 AMERIEDA LENTANA CONTRACTOR AMERIEDA MATCHERON	-	EA ELBOW, 90 DEG, LR, BW, SEGMENTABLE	89	0.322	ASTM A234, ASME B16.9	GRADE WPB	*	MATL-3100	NATIONAL GRID	9315387	WILMINGTON
1	-	EA VALVE, BALL, DELTA, FIG 55, FULL PORT, WE X WE, W/ VALVE BOX	12	0.375	API 6D, ASME B31.8	LF2	ANSI 150	MATL-3150	NATIONAL GRID	NON STOCK	IRBY
14.00 10.0	-	EA VALVE, BALL, DELTA, FIG 55, FULL PORT, WE X WE, W/ VALVE BOX	8	0.322	API 6D, ASME B31.8	LF2	ANSI 150	MATL-3150	NATIONAL GRID	NON STOCK	IRBY
14 10 11 11 11 11 11 11	-	EA REDUCER, STEEL, CONCENTRIC	8X8	0.322X0.280	ASTM A234	GRADE WPB		MATL-3100	NATIONAL GRID	9315715	WILMINGTON
1-14 0.191 AMMERIEN LATINATING GOACE B	-	EA SLEEVE, STYLE 50A, INSULATED, 100PSIG	16	r				FITS6026	NATIONAL GRID	9342323	WILMINGTON
1-144 0 191 AMBER BIA		EA ELBOW, 90DEG, LR. SW	1-1/4	0.191	ASME B16.11. ASTM A105	GRADE B		MATL-3100	NATIONAL GRID	NON STOCK	IRBY
144 0.191 API-10, API-10		EA FIBOW 45DEG IR SW	1.1/4	0 191	ASME R18 11 ASTM A105	GRADE B		MATI -3100	NATIONAL GRID	NON STOCK	IRRY
1.14 0.161		AN INCIDENTIAL MEDITEST METODALI MENMETANINE DON	4.474	0 101	ADIAN ACMEDS 18		ANCI 150		CIGO INVICTION	MON STOCK	\aa
14	. ,			0	OLICO, NOME DOLIC		2010		MATIONAL OPIN	TOOLOGO TOOLOGO	TAIL BANK
1.4 SCH 114			#/I-I						INA HOINAL GRID	1805208	WILMING
1			1-1/4	0.191	ASME BIB. II, ASIM A103	GRADE B		MAIL-3100	NA HONAL GRID	6000000	WILMING
14 1.1	-		12	SDR 13.5		PE 2408		120026-MS	NATIONAL GRID	8338381	WILMING
164 1.0	-		80	0.322			ANSI 150	FITS6055	NATIONAL GRID	9308511	WILMING
1 1 1 1 1 1 1 1 1 1	\neg	EA SADDLE, SERVICE, INSULATED	16X1					FITS6016	NATIONAL GRID	NON STOCK	IRBY
1		EA PLUG, SQUARE HEAD, THREADED	-						NATIONAL GRID	9312287	WILMING
1			4	e		0		REGL6090	CONTRACTOR	e	000
Deciding a Source 1-12 1	3		2						NATIONAL GRID	NON STOCK	BAYSTATE
1-12 1-12	3				(8)			*	CONTRACTOR		
1.12 1.12		FT PVC DRAIN PIPE, SCHEDULE 40	1-1/2						CONTRACTOR		*
RE, TACKE, LURGE CARDANIA SERVICE 1 CARDANIA SERVICE 1 CARDANIA SERVICE 2 CARDANIA SERVICE 2 CARDANIA SERVICE CARDANIA			1-1/2	r					CONTRACTOR		
1. 1. 1. 1. 1. 1. 1. 1.	-							CNST8061	NATIONAL GRID	9315005	WILMINGTON
12 1.0		OLL YELLOW CAUTION TAPE - GAS MAIN - 6" WIDE							NATIONAL GRID	9341904	WILMING
12 12 12 12 12 12 12 12		EA COUPLING ELECTROFUSION	12					120025-MS	NATIONAL GRID	9314939	WILMINGTO
1			10					120028-MS	CIGO IANOITAN	0340863	OTSIMIM IIM
8 0.000 0.000 0.0000 0.0000 0.000000 0.000000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000 0.000000 0.00000 0.00000 0.00000000				0000	C 100 13 104	0 10 400		420000 840	NATIONAL ODD	700000	MAIN MAIN CTO
BASE	,	THE CONTROL WILLIAM CONTROL OF THE C		0.500	300 100 100	2000		TAN OOF	MATONAL ODIO	0000000	AND MAIN
EBASE DAY 20 x 18	- 9	EX INCOLATING COINT, WELD END	0 0	0.322				INO-022	INA HOINAL GRID	270002	VVILLIMITY
E-BASE BA-56 x 18	KK	EA FRP SHIELDS, FIBERGLASS, REINFURCED	10			2			NA HUNAL GRID	8340ZZ/	WILMING
MATONIC GROWN CONDITION MATONIC GROWN CONDITION CONTROLOGY MATONIC GROWN CONT	A/R	EA FRP SHIELDS, FIBERGLASS, REINFORCED	12						NATIONAL GRID	9340228	WILMINGTON
March Marc	Ę,	ICAL AND SCADA	128 × 50 × 49	1		2	0	2	CIGO IANOTAN	L	\aa
HINTONIC LIA	-	EA SCAUA BUX NEWA ST EIVOLOGURE, WY COINCRETE DAGE	30 X 30 X 10				.		NA INCINAL GRAD		2
1-12 1-12	- 9	EA CONCRETE PAD	40 × 24 × 18						CONIRACION		
FEECON CONDIT 1-1/2	£ 6	FT CONDUIT BYC	7/1-1	.			.		CONTRACTOR		'
1.12 1.12	2	TA BOW ON DEG BIGID METAL FOR ELECTRICAL (TELECOM CONDUIT	1.1/2						CONTRACTOR		
1	A/R	EA IELBOW 45 DEG. RIGID METAL FOR ELECTRICAL/TELECOM CONDUIT	1-1/2						CONTRACTOR		
1.12 1.12	A/P	EA FIBOW 90 DEG PVC	4						CONTRACTOR		
The control of the	A/R	EA ELBOW, 45 DEG. PVC	4						CONTRACTOR		
11/2 11/2	2	EA SWEEP, 90 DEG. RIGID METAL FOR ELECTRICAL/TELECOM CONDUIT	1-1/2						CONTRACTOR		
10 10 10 10 10 10 10 10	2	SERVICE ENTRANCE HEAD, FOR ELECTRICAL/TELECOM CONDUIT	1-1/2						CONTRACTOR		
11.2 1.1.2	2	EA GROUND ROD, 1/2" DIA, X 10"0" LONG, COPPER CLAD STEEL	1/2" X 10:0"						CONTRACTOR		
Fig. 2017 Fig.	A/R	EA THERMOWELD, CR-2 TYPE MOLD, #M-5786	1/2						CONTRACTOR		
4	A/R	FT COPPER WIRE, STRANDED COPPER, BARE	#6 AWG						CONTRACTOR		
ColonCume	-	EA ROXTEC TYPE RS SEALS, RS150 FOR 4x6 HOLES	4						CONTRACTOR		
1.0 1.0	THO	NC PROTECTION & COATING INSTALLATION									
MAYONE STATE MAYO	6	EA CP TEST BOX WITH COVER HEAVY DUTY				•		FITS-6350	NATIONAL GRID		WILMINGTON
ER MAND-CREPTOR TO ASTERNAL GREEN PORTOR NATIONAL GREEN POSTINGS S00117958 ER MANG-CREPTOR TO ASTERNAL CREPTOR NATIONAL GREEN PORTOR NATIONAL GREEN PORTOR NATIONAL GREEN PORTOR NATIONAL GREEN PORTOR ENRICHARD CARTITIONE TO ASTERNAL CREATIONE TO ASTERNAL CREATIONE TO ASTERNAL CREATIONE NATIONAL GREEN PORTOR NATIONAL GREEN PORTOR NATIONAL GREEN PORTOR ENRICHARD CARLAN CANDULTINE ASTERNAL CREATIONE ASTERNAL CREATIONE ASTERNAL CREATIONE NATIONAL GREEN PORTOR NATIONAL GREEN PORTOR FINE ASSERTANCE WILD DRIVER SERVICE WILD REFER AND CREATIONE ASTERNAL CREATION CREATIO	12	EA 17# MAGNESIUM ANODE							NATIONAL GRID		WILMING
In the property of the prope	A/R	FT WIRE #8 AWG - FOR TEST WIRE				·			NATIONAL GRID		WILMING
1. The part of the property 1. The property 1. The part of t	A/R	FT WIRE #6 AWG - FOR BONDING WIRE							NATIONAL GRID	9311795	
EWIND-LIFECTORY LISSO TO ASSIST ASSISTED ASS	A/R	EA THERMOWELD CARTRIDGE KIT							NATIONAL GRID	9331417 / 9352728	WILMINGTON
EMBAP - TAPE COAT TAPE - A728 ROLL	A/R	OLLIPIPE WRAP - TAPECOAT H35G				1		-	NATIONAL GRID	9314898 (4" WIDTH)	WILMINGTON
ENDAL INTERCALL TARE, A 200 RULL CASTILAÇÃA (SINE BIG 8) CASTI	1	TOUR TOUR TOUR TRANSPORTER OF THE PARTY OF T							000	9384293 (6" WIDTH)	7,000
STATE WELDING STATE STATE WELDING STATE STATE WELDING WELD	A/R	COLLIPIPE WRAP - TAPECOAT T-TAPE, 4"X25" ROLL							NATIONAL GRID	NON STOCK	
March Marc	AND.	DAMENT	9	080	O OFFI A DOLL A COLUMN DAG OF	ODADE MIDD		MAT 2400	CIGO INVOLVIN	0342004	DAMA MAIN
STATE STAT		EA CAP, SIEEL, WELDING	0 3	0.200	ASIM AZS4, ASME BIG.9	GRADE WPB		MAIL-3100	NA HONAL GRID		WILMING
EA FITTING LIBERTOPPER WELDING EA EA EA EA EA EA EA E		EA JOAD VENTED DELE DECEMBER CONCERNICATION ON INTERESTRATED OF EDUCATION OF THE CONTRACTOR OF THE CON	g 0					FILSOUSS	NATIONAL GRID		WILMING MAIN MAINIO
NATIONAL NATIONAL GROUP NATIONAL G		EA ENTRIE HIGG DODGE MEI DING	0 4					ETTCEOSE	NATIONAL GRID		VALI MINISTON
WELD		TA DAG CANDING ONICH TYON		MIA	MIA	MIA	MIA	MA	NATIONAL COLD	MIA	ACT CAMP TAN
MELLI APPING		ביים פיים פיים פיים פיים פיים פיים פיים		V91	V 2	VA.	VA	VAL	IN HOLAN GAID	VAI	ANIFIMIAG
This could be a control of the con	+		7					FIISBUDD	NA HONAL GRID	9341087	WILMING
STRINGHING OWNERSORY, CONDUTIVE 8	,		3/4					FIISBUSS	NA HONAL GRID	9383994	WILMINGTON
NATIONAL GROWNING 1 1 1 1 1 1 1 1 1	\rightarrow		80					FITS6024	NATIONAL GRID		WILMINGTON
NET & OUTLET, SELF TAPPING 1 SECTION ASSMEDITED CRADE WPB FITSWASS NATIONAL GRID SE22006 REAL ASSMEDITED GRADE WPB - NATIONAL GRID SE22006	2	EA COUPLING, SELF RESTRAINING, NON-INSULATED	12X12	×				FITS6025	NATIONAL GRID		WILMING
8 0.322 ASTM AZSM, ASME B16.9 GRALCE WPB MATL-3100 WATDOWL GRD 5912090 E	6	EA TEE, SERVICE, WELD INLET & OUTLET, SELF TAPPING	-					FITS6055	NATIONAL GRID		WILMING
6 0.22 ASTIMAZSA ASIME BIGG GRADOE WIND MATINAL GIRD SSTORES 12 SIPPLIS STATU ASSA ASIME BIGG GRADOE WIND STATUS ASIME BIGG SSTORES 12 SIPPLIS STATUS ASIME BIGG GRADOE WIND STATUS ASIME BIGG SSTORES 13 STATUS ASIME BIGG GRADOE WIND STATUS ASIME BIGG STATUS	RESSI	RE TESTING						100000000000000000000000000000000000000			
12 SDR 13.5 PE 2406 120026-MS NATIONAL GRD 5503550	-	EA CAP. STEEL, WELDING	8	0.322	ASTM A234, ASME B16.9	GRADE WPB			NATIONAL GRID	L	WILMINGTON
0 0.30 ASTALACA ASSERTING GRADE WIND MATERIAL GRADE GRADE WIND MATERIAL GRADE GRADE WIND MATERIAL GRADE	2	SA ICAP MINE, BUTT FUSE	12	SDR 13.5		PE 2406			NATIONAL GRID	L	WILMINGTON
43 A224 ACMEDIA OFFICIAL WITH WATER OFFI AND ANATOMIA CRIP OFFI ANATOMIA CRI	-										
CONTROL MICH WAS BUILD AND THE PART OF THE		TA STATE OF THE PARTY OF THE PA	×	0.280	ACTUA ASME RIR O	SOADE WPR	,	0012 HAAA	CIED INCITAL	0212004	MIN III



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8 %

PROPOSED OVERHEAD ELECTRIC LINE PROPOSED UNDERGROUND ELECTRIC LINE

PROPOSED SANTARY SEWER LINE PROPOSED STORM DRAIN/CULVERT

EXISTING MIRRA WATER MAIN EXISTING MIRRA SEMER/DRAIN MAIN

EXISTING MBTA DUCTS

LEGEND

PROPOSED FIBER OPTIC LINE

TO THE WAY THE

UT PROPOSED UNDERGROUND TELEPHONE

•

()

PROPOSED WATER MAIN

GAS - — 6 — • • • — INEW GAS SERVICE, FLOW

— IMMER, WEREN, WAVE

— G — • • • — DOSTING GAS SERVICE, FLOW

— IMMER, WEIER, WAVE TREE, BUSH, TREE UNE EXISTING STREAM/RIVER EDGE

EXISTING STONE WALL - - EXISTING WETLAND

EXISTING FENCE

BOSTON GAS COMPAY A/b/o NATIONAL GAS 40 SYLVAN ROAD WALTHAM, MA 02451

DRAVING NO. SR-123-90000228066 C-C	SHEET	001
	DRAWING NO.	SR-123-90000228066 C-001

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BOSTON GAS COMPAY A/b/o NATIONAL GAS 40 SYLVAN ROAD WALTHAM, MA 02451

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10-23

BRIDGE ST N REPLACEME	B BRIDGE ST A REPLACEMENT		PAGE 06 OF 12	
& BRIDGE ST	E ST		ON SNIWARIG	SHEET NO.
W.				
IDN	NDITIONS		SR-123-90000228066 C-002	90
DATE:	ASSET ID.	WO.NO.:		
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OE ST	LACEMENT	GF ST	;		SNOIL)	ASSET ID.	
ST @ BRID	TION REPL	T & BRID	NEWTON MA		ONC.		DATE	
CALIFORNIA ST @ BRIDGE ST	REGULATOR STATION REPLACEMENT	CALIFORNIA ST & BRIDGE ST	NEW		SNCILIONCO UNITSIXE		ENGINEER	
	RE	!			Œ	ì	DESIGNER	
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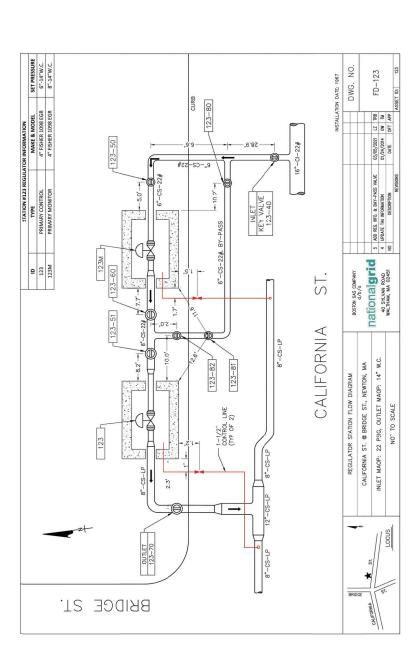




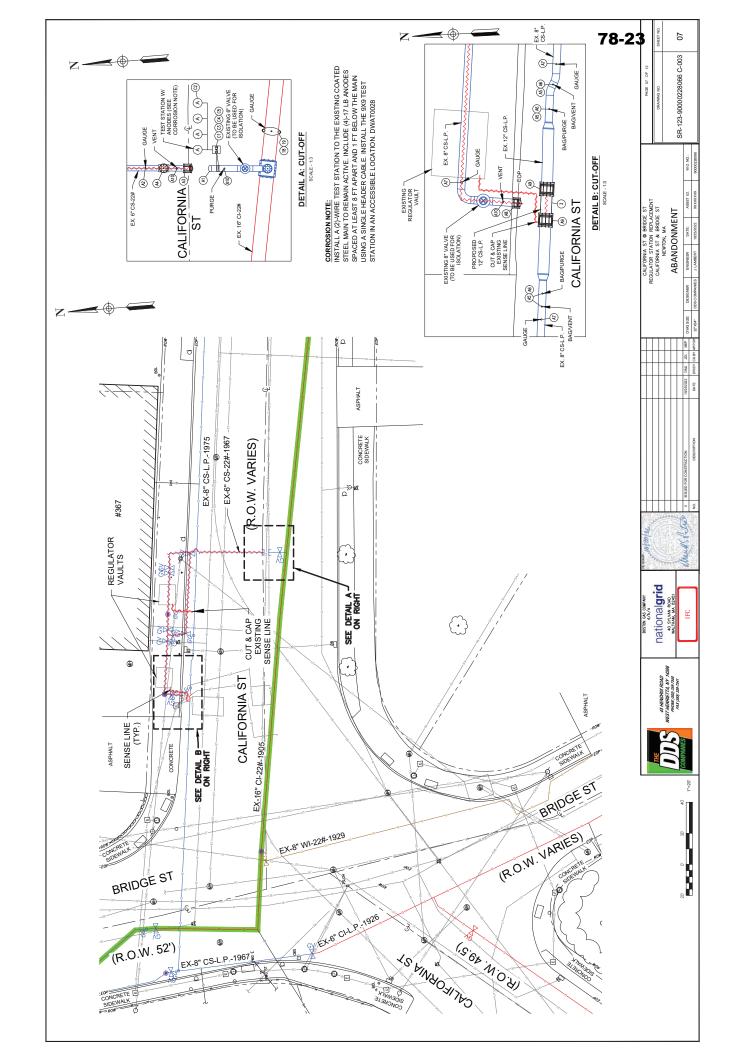


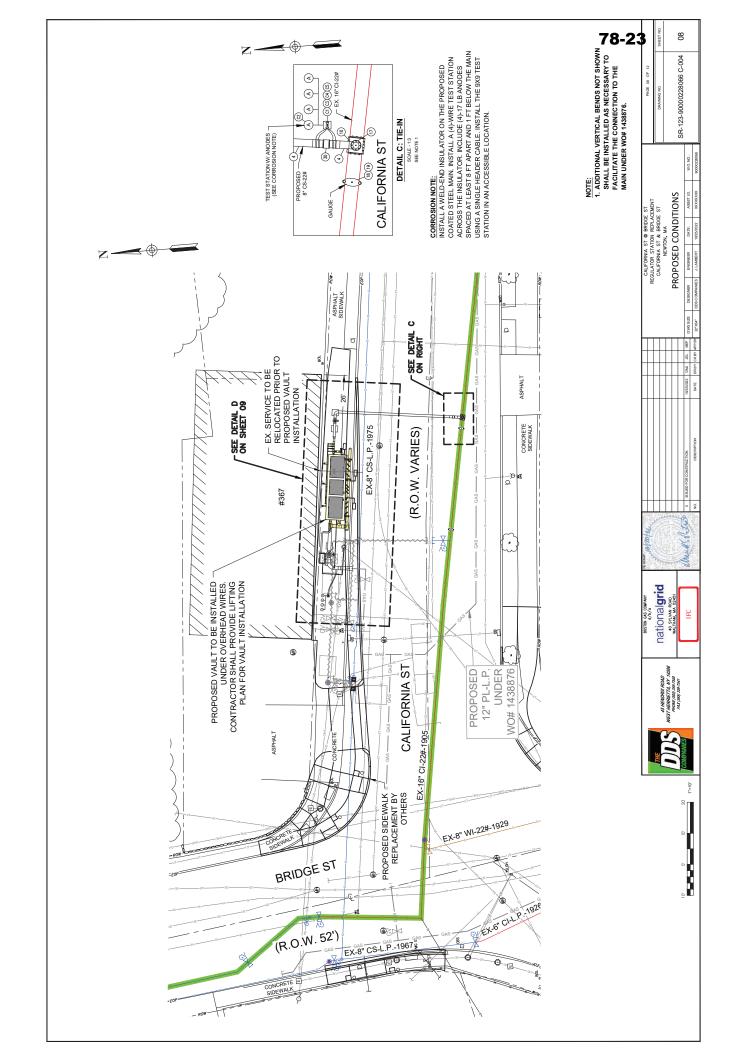






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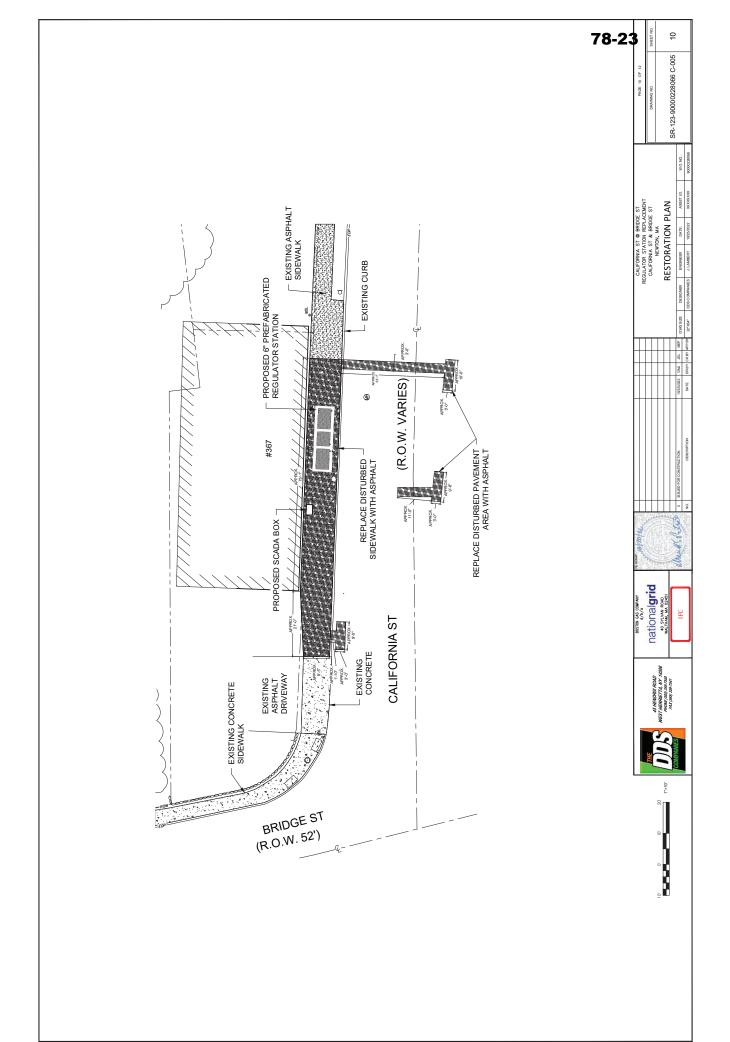


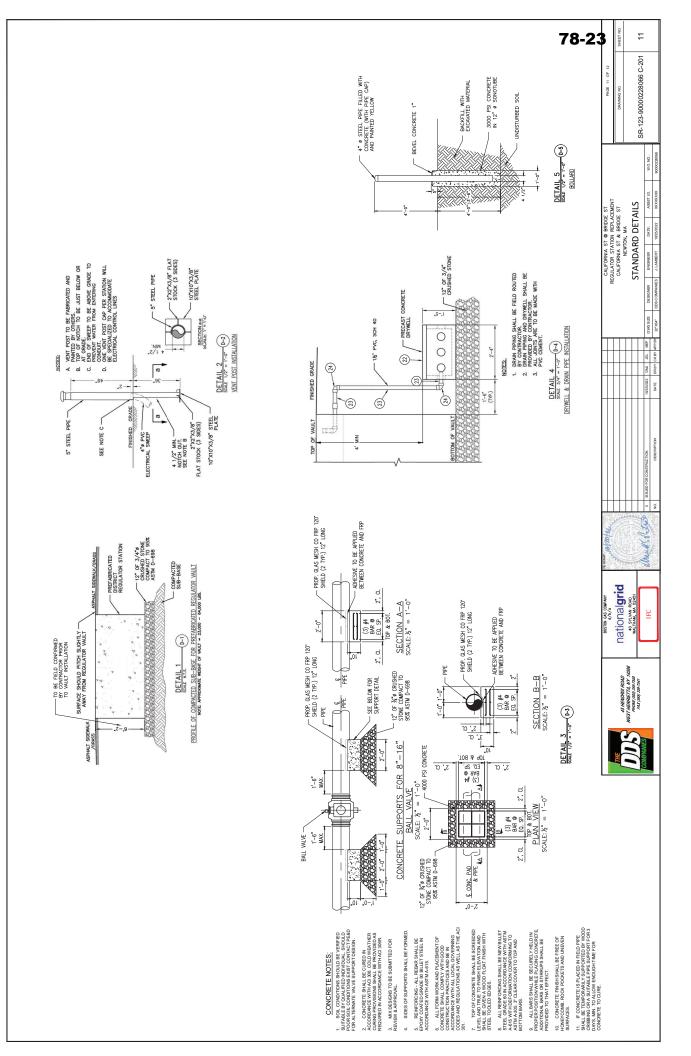
CORROSION NOTE:
INSTITUTA (2) WHRET EET STATION TO THE PROPOSED
COATED STEEL MAIN AT THE COATED STEEL/ PLASTIC
INTERFACE. INCLUDE (4)-17 LB ANODES SPACED AT
LEAST BFT PARTA AND IT PLE BELOW THE MAIN USING
A SINGLE HEADER CABLE IN NSTALL THE 9X9 TEST
STATION IN AN ACCESSIBLE LOCATION. NOTE:

1. ADDITIONAL VERTICAL BENUS NOT SHOWN SHALL

BE INSTALLED AS NECESSARY TO FACILITATE THE

CONNECTION TO THE MAIN UNDER WO# 1438876. T 68 SR-123-90000228066 C-101 z — — — PAGE 09 INSTALL VALVE
SUPPORTS PER DETAIL 3 9 9 CALFORNIA ST ® BRIDGE ST REGULATOR STATION REPLACEMENT CALFORNIA ST & BRIDGE ST NEWTON, MA 0 TIE-IN DETAILS PROPOSED EOP **€** NEW 8" INLET VALVE INCLUDE VALVE BOX - INSTALL PROPOSED DRYWELL & DRAIN PER DETAIL 4 8 0 (3) PROPOSED PREFAB VAULT (HIGHLIGHTED) S DMJ JDL MEP DRBY CKSY JAPLSY (S) CALIFORNIA 102552022 DATE D - INSTALL PROPOSED / VENT POST (TYP.) PER DETAIL 2 8 EXISTING 8" CS-L.P. - INSTALL PROPOSED DRYWELL & DRAIN PER DETAIL 4 0 ISSUED FOR CONSTRUCTION
NO. DESCRIPTION DETAIL D: TIE-IN SCALE-1:3 SEENOTE 1 3 - BRACE/SUPPORT UTILITY POLE WHEN EXCAVATING WITHIN 10 FT OF THE UTILITY POLE 11/10 NEW 12" OUTLET VALVE
NCLUDE VALVE BOX
(VALVE TO BE USED
FOR ISOLATION TO
MAKE CONNECTION) 15'-0" (15' MIN) national**grid** (3) 10'-0" (10' MIN) BOSTON GAS COMPANY d/b/o PROPOSED 12" CS-L.P. IFC -0| -@ PROPOSED 12" PL VALVE TO BE INSTALLED UNDER WO# 1438876 (TO BE USED FOR ISOLATION TO MAKE CONNECTION) 22# MAOP **⊗**F → PURGE E. B. MAOP 22. 9 <u>(</u> INSTALL VALVE SUPPORTS PER DETAIL 3 . |B SEE DETAIL 6 & 10 GAUGE MAIN AND FITTINGS -INSTALLED UNDER WO#1438876 SEE DETAIL 9 - PROPOSED 12" PL-L.P. MAIN TO BE INSTALLED UNDER WO# 1438876 CONTROL LINE PER -1"=3" (d) (d) TEST STATION (E)(E)(E)(E)(M)
W/ ANODES (SEE
CORROSION NOTE) PROPOSED EOP (B-@)





78-23

