TRANSMITTAL OF CORROSION CONTROL REQUIREMENTS

(Part I - To be completed by engineering personnel for capital design projects that install, tie-in, or abandon metallic facilities.)

PROJECT			
Date Issued: 2/16/2016		Work Order: 15-0845564-00	
Job Type: 557		Proposed Project Start Date:	
Engineering Personnel: L. DeRoxas		Contact Number: [redacted]	
Project Description: INSTALL 4845' OF LP & HP MAIN Attach detailed work order sketch and/or engineering plans.			
LOA/TCC: 8400	Street/Address: UNION ST	City or Township: LAWRENCE	County: ESSEX
Type of System: DOT Transmission ☐		HP Distribution ☒	Distribution ☒

CORROSION CONTROL CONSIDERATIONS	Y/N/Unkn
Will any steel services (company and/or customer) become electrically isolated or replaced with plastic as a result of this work? If so, provide a list of addresses or a range of addresses.	n
Will steel pipeline be installed in casing as part of this project? If so, indicate location(s) on sketch or plans.	n
Does steel pipeline cross any other metallic pipelines within this project? If so, indicate location(s) and company contact information on sketch or plans.	n
Does any steel pipeline within this project parallel a high voltage A.C. tower line or come within 500 ft. of a substation? If so, indicate location(s) on sketch or plans.	n
Does any portion of this project involve steel pipeline near a DC traction system (e.g., electrified railway, mass transit, or mine system)? If so, indicate location(s) on sketch or plans.	n
Will any steel pipeline be directional bored as part of this project? If so, is it probable that rock will be encountered?	n n
Is telemetering (e.g., SCADA, EFC) planned to be installed on any measurement and/or regulator?	n
Does any portion of this project involve transmission line within a high consequence area (HCA)?	n

PREORDERED MATERIAL SPECIFICATION INFORMATION (e.g., pipe w/special coating, insulators)

NOTE: If coating inspection at the mill is required, notify corrosion personnel minimum one week in advance.

Material	Quantity	Comments
CI x PE	16	CI to PE-LP side street tie-overs on S. Union from Winthrop Ave to Market St and Salem St @ Foster St
BS x PE	1	BS to PE regulator station LP near Exeter@S. Union
CS x PE	1	CS to PE-HP tie-over at Dorchester@S. Union
CI		Cut offs/Abandonments of both CI mains on S. Union from Winthrop Ave to Market St

When Part I is completed, forward to local corrosion personnel, along with the work order sketch and/or engineering plans.

TRANSMITTAL OF CORROSION CONTROL REQUIREMENTS

(Part II – To be completed by corrosion personnel.)

CORROSION PERSONNEL CONTACT INFORMATION		
Date Completed: 02/19/16	Work Order: 15-0845564-00	
Corrosion Personnel: Jesus Figueroa	[redacted]	Pager:
Contact Corrosion Personnel Prior to Construction YES ☒ NO ☒		
Corrosion Personnel to be on Job Site YES ☐ NO ☒		

CORROSION CONTROL SPECIFICATIONS

Mark-up attached work order sketch or engineering plans w/ proposed location for recommended corrosion control items.

MILL APPLIED COATING – Include the type of coating, mil thickness, special instructions

n/a

Coating Mill Inspection Required? YES ☐ NO ☒ If yes, notify corrosion leader minimum one week in advance.

ANODES – Include size, description, stock symbol or part number (if appropriate), quantity, and location information (if not provided on attached work order sketch or engineering plans).

Install anodes in accordance with gas company standards where needed, Install 3 17# anodes at the Dorchester@S Union st tie-in and 2 17# anodes at the Exeter@S Union st tie-in st tie-in.

Install the anodes with the 2 wire test stations at the plastic to steel tie-ins. Run all the test station and anode wires into the test station box. ✓ 9-20-16 [redacted]

JOINT & HOLIDAY COATINGS/WRAPS – Include size, description, stock symbol or part number (if appropriate), and quantity.

Coat any exposed steel pipe and fittings in accordance with gas company standards.

PRIMERS – Include size, description, stock symbol or part number (if appropriate), and quantity.

Use primers as directed by coating manufactuer recommendations

INSULATORS – Include size, description, , quantity, and location information (if not provided on attached work order sketch or engineering plans).

n/a

TEST STATIONS – Include description, stock symbol or part number ((if appropriate), quantity, wire, and location information (if not provided on attached work order sketch or engineering plans).

Install a 2 wire test station in accordance with gas company standards at the plastic to steel fitting at the Dorchester@S Union st tie-in and at the plastic to steel fitting at the Exeter@S Union st tie-in ✓ 9-20-16

OTHER – Include size, description, stock symbol or part number (if appropriate), quantity, and location information (if not provided on attached work order sketch or engineering plans).

n/a

Note: If a cathodic protection circuit will be installed or isolated, the corrosion person needs to denote the necessary record updates (circuit number, database update, etc.). Indicate information on attached work order sketch or engineering plans, when necessary.

HOLIDAY DETECTION REQUIREMENTS

Holiday Detection Required YES ☐ NO ☒	See GS 1420.410 "Corrosion Control Design - Inspection of Steel Pipe Coating" for proper volt setting for coating type.

Comments:

PRE-CONSTRUCTION COMMENTS

CORROSION CONTROL TYPE

Sacrificial Anode System ☒	Impressed Current System NOTE: Contact local corrosion personnel prior to construction. ☐	Non-Cathodically Protected ☐

When Part II is completed, return to Engineering, along with the work order sketch and/or engineering plans, for inclusion with the work order packet for construction.

TRANSMITTAL OF CORROSION CONTROL REQUIREMENTS

(Part III – To be completed by the construction coordinator/inspector or lead person during construction.)

CONSTRUCTION COORDINATOR/INSPECTOR OR LEAD PERSON ON JOB SITE CONTACT INFORMATION	
Date Completed: 9-20-16	Work Order: 15-0845564-00
Construction Coordinator/Inspector or Lead Person on Job Site: STEVE KORALISHN	Cell: [redacted]

CONSTRUCTION CORROSION CONTROL INFORMATION	
Type of Mill Applied Coating Installed (e.g., FBE, Powercrete, PE): Thickness of Mill Applied Coating (from print line): Thickness of Mill Applied Coating (if measured; note range of DFT values and anything out of tolerance):	
Type and Manufacturer of Coating used for Girth Welds, Fittings, and Repairs to Mill Applied Coating (e.g., Cold Applied Tape, Epoxy): Thickness of Field Applied Coating (WFT if epoxy or mil thickness & overlap information if tape coating):	
Holiday Detection Completed YES ☐ NO ☐	If Yes, Voltage Setting of Holiday Detector:
Approximate Average Number of Holidays Repaired Per Joint:	
Number of Test Stations Installed: Provide location details of test stations on work order sketch or test point sheet, as applicable. ① - DORCHESTER & S. UNION ST., LAW.	Number of Insulating Fittings Installed: Type of Insulating Fitting (e.g., monolithic, fiberglass, flange insulation kit): Provide location details of insulating joints on work order sketch or test point sheet, as applicable.
Post-Construction Comments (e.g., tie-in location moved, additional steel pipe installed, material substitution from what was planned/designed):	
The following coated (good coating) steel services or risers have become electrically isolated and must be provided with cathodic protection.	
Address	

NOTE: Indicate installation of anodes and test stations on work order sketch.

When Part III is completed, include within the completed work packet, and return to Engineering or Maps & Records (whichever is appropriate), along with the as-built work order sketch and/or engineering plans, for distribution of applicable items to corrosion personnel.