CITY OF PORTLAND, MAINE — RESURGAM
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 08/03/16

GROUND ROD INSTALLATION DETAIL
SCALE: 3/4" = 1'-0"

GROUND DISCONNECT TEST WELL DETAIL
SCALE: NTS

E-Z LINE FIGURE NUMBER LEGEND		
FIGURE #	HEAD TYPE	BASE PLATE TYPE
"A"	120# CRADLE (FORMED TO FIT PIPE SIZE)	NONE
"C"	120# CRADLE (FORMED TO FIT PIPE SIZE)	PLAIN (NO HOLES)
"E"	120# CRADLE (FORMED TO FIT PIPE SIZE)	W/4 SLOTTED HOLES
"B"	120# CRADLE W/2 U-BOLTS	NONE
"D"	120# CRADLE W/2 U-BOLTS	PLAIN (NO HOLES)
"F"	120# CRADLE W/2 U-BOLTS	W/4 SLOTTED HOLES
VALVE SUPPORTS		
"A" VS	RECTANGULAR OR CIRCULAR PLATE TO SUPPORT VALVE	NONE
"C" VS	RECTANGULAR OR CIRCULAR PLATE	PLAIN (NO HOLES)
"E" VS	RECTANGULAR OR CIRCULAR PLATE	W/4 SLOTTED HOLES
FLANGE SUPPORTS		
"A" FS	ANGLE HEAD TO SUPPORT FLANGE	NONE
"C" FS	ANGLE HEAD TO SUPPORT FLANGE	PLAIN (NO HOLES)
"E" FS	ANGLE HEAD TO SUPPORT FLANGE	W/4 SLOTTED HOLES

E-Z LINE PIPE SUPPORT SCHEDULE							
PIPE SIZE	MODEL #	BASE PLATE SIZE		THICK	HOLE CENTER		HOLE SIZE
		"N"	"P"		"T"	"S"	
2"	204	8"	6"	1/2"	5"	3-1/2"	5/8"
2-1/2"	204	8"	6"	1/2"	5"	3-1/2"	5/8"
3"	204	8"	6"	1/2"	5"	3-1/2"	5/8"
3-1/2"	204	8"	6"	1/2"	5"	3-1/2"	5/8"
4"	204	8"	6"	1/2"	5"	3-1/2"	5/8"
6"	510	10"	8"	5/8"	7"	5-1/2"	5/8"
8"	510	10"	8"	5/8"	7"	5-1/2"	5/8"
10"	510	10"	8"	5/8"	7"	5-1/2"	5/8"
12"	1218	12"	10"	5/8"	7"	5-1/2"	5/8"
14"	1218	12"	10"	5/8"	9"	7-1/2"	3/4"

E-Z LINE PIPE SUPPORT SCHEDULE							
PIPE SIZE	MODEL #	BASE PLATE SIZE		THICK	HOLE CENTER		
		"N"	"P"		"T"	"S"	
16"	1218	12"	10"	5/8"	9"	7-1/2"	3/4"
18"	1218	12"	10"	5/8"	9"	7-1/2"	3/4"
20"	2024	12"	10"	5/8"	9"	7-1/2"	3/4"
22"	2024	12"	10"	5/8"	9"	7-1/2"	3/4"
24"	2024	12"	10"	5/8"	9"	7-1/2"	3/4"
26"	2632	14"	12"	3/4"	11"	9-1/2"	3/4"
28"	2632	14"	12"	3/4"	11"	9-1/2"	3/4"
30"	2632	14"	12"	3/4"	11"	9-1/2"	3/4"
32"	2632	14"	12"	3/4"	11"	9-1/2"	3/4"
36"	2632	14"	12"	3/4"	11"	9-1/2"	3/4"

FIGURE C
SCALE: NTS

FIGURE D
SCALE: NTS

FIGURE D
SCALE: NTS

FIGURE C
SCALE: NTS

FIGURE C
SCALE: NTS

E-Z LINE PIPE SUPPORT DETAIL
SCALE: NTS

FENCE AND SWING GATE GROUNDING DETAIL
SCALE: NTS

PIPE SUPPORT FOUNDATION DETAIL
SCALE: 3/4" = 1'-0"

LS MODEL	SEAL ELEMENT	BOLTS/NUTS	PRESSURE PLATE
C	EPDM (BLACK)	ZINC DICHROMATE/ORGANIC COATED CARBON STEEL BOLT	REINFORCED NYLON POLYMER
L	EPDM (BLUE)	ZINC DICHROMATE/ORGANIC COATED CARBON STEEL BOLT	REINFORCED NYLON POLYMER
O	NITRILE	ZINC DICHROMATE/ORGANIC COATED CARBON STEELBOLT	REINFORCED NYLON POLYMER
T	SILICONE	ZINC DICHROMATE/ORGANIC COATED CARBON STEEL BOLT	STEEL ZINC DICRHOMATE
(C,L,O)+S-316	(SEE MODEL OPTIONS)	316 STAINLESS STEEL	REINFORCED NYLON POLYMER

SLEEVE MODEL	DESCRIPTION	MATERIAL
CS	CENTURY-LINE SLEEVE	PIPE
WS	STEEL WALL SLEEVE	STEEL

FOR MORE MATERIAL PROPERTY INFORMATION, SEE LITERATURE AT WWW.LINKSEAL.COM

LINK-SEAL MODULAR SEALS WITH CAST OR CORE DRILLED WALL OPENING MANUFACTURED BY PIPELINE SEAL & INSULATOR, INC. HOUSTON, TEXAS, U.S.A.
TEL: 800-423-2410
EMAIL: INFO@PSIPSI.COM

LINK-SEAL DETAIL
SCALE: NTS

ISSUED FOR BID

REV	BY	DATE	DESCRIPTION	DWG NO.	REFERENCE DRAWINGS	SEAL AND SIGNATURE

PRJ MANAGER: MARK D. WOOD		
PRJ ENGINEER: MARK D. WOOD		
PRJ NAME: WEST COMMERCIAL STREET		
PRJ NUMBER: 5183		
PRJ MILESTONE: ISSUED FOR BID		
PRJ PHASE: ISSUED FOR BID		
DESIGNED BY:	MDW	05/20/16
DRAFTED BY:	RPG	05/20/16
CHECKED BY:	SMR	05/20/16
APPROVED BY:	MDW	05/20/16

CLIENT INFORMATION
Unitil
ME GAS OPERATIONS

DESIGN MANAGER: TIM BICKFORD	REVIEWED BY:
DESIGN ENGINEER: BOB SCHUMMRICK	CHECKED BY:
AUTH NO: 6039 167616	APPROVED BY:

SHEET TITLE
STANDARD DETAILS
SHEET 2 OF 3

PROJECT NAME
WEST COMMERCIAL STREET
REGULATOR STATION

PROJECT LOCATION
PORTLAND, ME 04101

PROCESS PIPELINE SERVICES
1600 Providence Highway
Walpole, MA 02081
781.829.0624
processpipelineservices.com

FILE NAME: 5183_C00.DWG	SIZE	SHEET	REV
PLOT DATE: 05/18/2016 10:39 AM	22X34	C02	F
SCALE: AS SHOWN	SHEET 34 OF 35		