Reviewed for Code Compliance
Approved as Noted
Review Not Required

Date: 08/03/16

POWER AND CONTROLS CONDUIT AND CABLE SCHEDULE

CONDUIT NO	CONDUIT SIZE (IN)	WIRE	COUNT	CONDUIT TYPE	ORIGIN	DESTINATION	NOTES
E-01	2"	SER 3-3-3-5	1	RMC - PVC COATED	CMP METER	DISCONNECT	480Y/277 VAC
E-02	1-1/4"	1 XHHW-2	3	RMC	DISCONNECT	TRANSFORMER	277 VAC
E-03	1-1/4"	1 XHHW-2	3	RMC	TRANSFORMER	POWER PANEL	120 VAC
E-11	1-1/4"	12 XHHW-2	15	RMC - PVC COATED	POWER PANEL	REGULATOR BLDG	XP DISTRIBUTION BOX
E-12	3/4"	12 XHHW-2	3	RMC - PVC COATED	POWER PANEL	GATE ACTUATOR 1	120 VAC
E-13	3/4"	12 XHHW-2	3	RMC - PVC COATED	POWER PANEL	GATE ACTUATOR 2	120 VAC
C-01	3/4"	18/STP	2	RMC - PVC COATED	RTU	FILTER	
C-01E	1/2"	18/STP	2	RMC & EXGJH-118	C-01	MVT-01	24 VDC & 0-20 MA
C-02	1-1/2"	18 THWN	4	RMC	RTU	DB-10	XP DISTRIBUTION BOX
		18/STP	6				
		RTDW-XX-02	3				
C-100	3/4"	18/STP	2	RMC	DB-10	T1-1	ERT75
		18 THWN	2				
C-101	1/2"	18/STP	1	RMC & EXGJH-118	T1-1	CGLT-01	
		18 THWN	1				24 VDC
C-110	3/4"	18/STP	1	RMC	T1-1	T1-2	ERT75
		18 THWN	1				
C-111	1/2"	18/STP	1	RMC & EXGJH-118	T1-2	FQIT-100	
		18 THWN	1				24 VDC
C-200	3/4"	18 THWN	2	RMC	DB-10	T2-1	ERT75
		18/STP	4				
		RTDW-XX-02	3				
C-201	1/2"	18/STP	1	RMC & EXGJH-118	T2-1	CGLT-02	
		18 THWN	2				24 VDC
C-202	3/4"	18/STP	3	RMC	T2-1	T2-2	ERT75
		RTDW-XX-02	3				
C-210	3/4"	18/STP	1	RMC	T2-2	T2-3	ERT75
		RTDW-XX-02	1				
C-211	1/2"	18/STP	1	RMC & EXGJH-118	T2-3	PT-101	
C-212	1/2"	RTDW-XX-02	1	RMC & EXGJH-118	T2-3	TE-101	RTD
C-203	3/4"	18/STP	2	RMC	T2-2	T2-4	ERT75
		RTDW-XX-02	2				
C-220	3/4"	18/STP	1	RMC	T2-4	T2-5	ERT75
		RTDW-XX-02	1				
C-221	1/2"	18/STP	1	RMC & EXGJH-118	T2-5	PT-201	
C-222	1/2"	RTDW-XX-02	1	RMC & EXGJH-118	T2-5	TE-201	RTD
C-204	3/4"	18/STP	1	RMC	T2-4	L2-1	ERLR75
		RTDW-XX-02	1				
C-230	3/4"	18/STP	1	RMC	L2-1	T2-6	ERT75
		RTDW-XX-02	1				
C-231	1/2"	18/STP	1	RMC & EXGJH-118	T2-5	PT-301	
C-232	1/2"	RTDW-XX-02	1	RMC & EXGJH-118	T2-5	TE-301	RTD

POWER AND CONTROLS CONDUIT AND CABLE SCHEDULE

CONDUIT NO	CONDUIT SIZE (IN)	WIRE	COUNT	CONDUIT TYPE	ORIGIN	DESTINATION	NOTES
IS-01	3/4"	18 THWN	2	RMC - PVC COATED	RTU	IS-T1	ERT75
IS-100	1/2"	18 THWN	2	RMC	IS-T1	IS-T1-1	ERT75
IS-101	1/2"	18 THWN	2	RMC	IS-T1-1	DS-01	DOOR PROXIMITY SWITCH
IS-110	1/2"	18 THWN	2	RMC	IS-T1-1	IS-T1-2	ERT75
IS-111	1/2"	18 THWN	2	RMC	IS-T1-2	DS-02	DOOR PROXIMITY SWITCH
IS-120	1/2"	18 THWN	2	RMC	IS-T1-2	IS-T1-3	ERT75
IS-121	1/2"	18 THWN	2	RMC	IS-T1-3	DS-03	DOOR PROXIMITY SWITCH
IS-200	1/2"	18 THWN	2	RMC	IS-T1	IS-T2-1	ERT75
IS-201	1/2"	18 THWN	2	RMC	IS-T2-1	DS-04	DOOR PROXIMITY SWITCH
IS-210	1/2"	18 THWN	2	RMC	IS-T2-1	IS-T2-2	ERT75
IS-211	1/2"	18 THWN	2	RMC	IS-T2-2	DS-03	DOOR PROXIMITY SWITCH
IS-220	1/2"	18 THWN	2	RMC	IS-T2-2	IS-T2-3	ERT75
IS-221	1/2"	18 THWN	2	RMC	IS-T2-3	DS-04	DOOR PROXIMITY SWITCH

NOTES:

18/STP — 18 AWG, 3 CONDUCTOR CMR/CL3R/CMX, SHIELDED, STRANDED BARE COPPER CONDUCTORS, 300V, DRAIN WIRE, RIP CORD, -20C TO 75C, GENERAL CABLE E2033S OR APPROVED EQUIVALVENT

RTDW-XX-02 — RTD EXTENSION WIRE, 3 CONDUCTOR, TWISTED, SHIELDED, STRANDED TINNED COPPER, 2 RED, 1 WHITE, DRAIN WIRE, RIP CORD, PROSENSE RTDW-XX-02 OR APPROVED EQUIVALENT

RMC — HOT-DIP GALVANIZED STEEL RIGID METAL CONDUIT

EXGJH-118 — 1/2" X 18", FLEXIBLE COUPLING, EXPLOSIONPROOF, DUST-IGNITIONPROOF, WATERTIGHT, APPLETON EXGJH-118 OR APPROVED EQUIVALENT

ERT75 — 3/4" TEE OUTLET BOX, EXPLOSIONPROOF, DUST-IGNITIONPROOF, RAINTIGHT, APPLETON ERT75 OR APPROVED EQUIVALENT

ERLR75 — 3/4" LEFT ELBOW OUTLET BOX, EXPLOSIONPROOF, DUST-IGNITIONPROOF, RAINTIGHT, APPLETON ERLR75 OR APPROVED EQUIVALENT

ALL CONDUIT ENDS SHALL BE MECHANICALLY DEBURRED

PULLING LUBRICANT SHALL BE USED WHEN 3 OR MORE WIRES OR CORDSETS ARE BEING INSTALLED

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	DESIGN MANAGER: TIM BICKFORD / REVIEWED BY:
CHECKED BY: SMR	05/20/16	DESIGN ENGINEER: BOB SCHUMMRICK / CHECKED BY:
APPROVED BY: MDW	05/20/16	AUTH NO: 6039 167616 / APPROVED BY:

CLIENT INFORMATION: Unitil — ME GAS OPERATIONS

SHEET TITLE: CONTROLS CONDUIT SCHEDULE

PROJECT NAME: WEST COMMERCIAL STREET REGULATOR STATION

PROJECT LOCATION: PORTLAND, ME 04101

PROCESS PIPELINE SERVICES
1600 Providence Highway
Walpole, MA 02081
781.829.0524
processpipelineservices.com

FILE NAME: 5183_C00.DWG
PLOT DATE: 05/25/2016 2:58 PM
SCALE: N/A

SIZE	SHEET	REV
22X34	E05	F

SHEET 29 OF 35