



| POWER AND CONTROLS CONDUIT AND CABLE SCHEDULE | | | | | | | |
|---|-----------|-------------|-------|------------------|-------------|-----------------|---------------------|
| CONDUIT | | WIRE | COUNT | CONDUIT TYPE | ORIGIN | DESTINATION | NOTES |
| NO | SIZE (IN) | | | | | | |
| E-01 | 2" | SER 3-3-3-5 | 1 | RMC - PVC COATED | OMP 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 | 24 VDC |
| | | 18 THWN | 1 | | | | |
| 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 | 24 VDC |
| | | 18 THWN | 1 | | | | |
| 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 | 24 VDC |
| | | 18 THWN | 2 | | | | |
| 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 |

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| CONDUIT | | WIRE | COUNT | CONDUIT TYPE | ORIGIN | DESTINATION | NOTES |
| NO | SIZE (IN) | | | | | | |
| 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 EQUIVALENT
 - RTDW-XX-02 RTD EXTENSION WIRE, 3 CONDUCTOR, TWSTED, 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, RAINLIGHT, APPLETON ERT75 OR APPROVED EQUIVALENT
 - ERLR75 3/4" LEFT ELBOW OUTLET BOX, EXPLOSIONPROOF, DUST-IGNITIONPROOF, RAINLIGHT, 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

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| 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: RPC 05/20/16 CHECKED BY: SMR 05/20/16 APPROVED BY: MDW 05/20/16 | CLIENT INFORMATION  ME GAS OPERATIONS | SHEET TITLE CONTROLS CONDUIT SCHEDULE PROJECT NAME WEST COMMERCIAL STREET REGULATOR STATION PROJECT LOCATION PORTLAND, ME 04101 |  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 22X34 | SHEET E05 | REV F | SHEET 29 OF 35 |
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