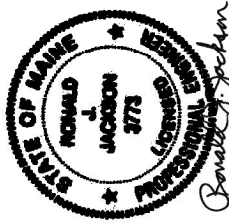




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Ronald J. Jackson

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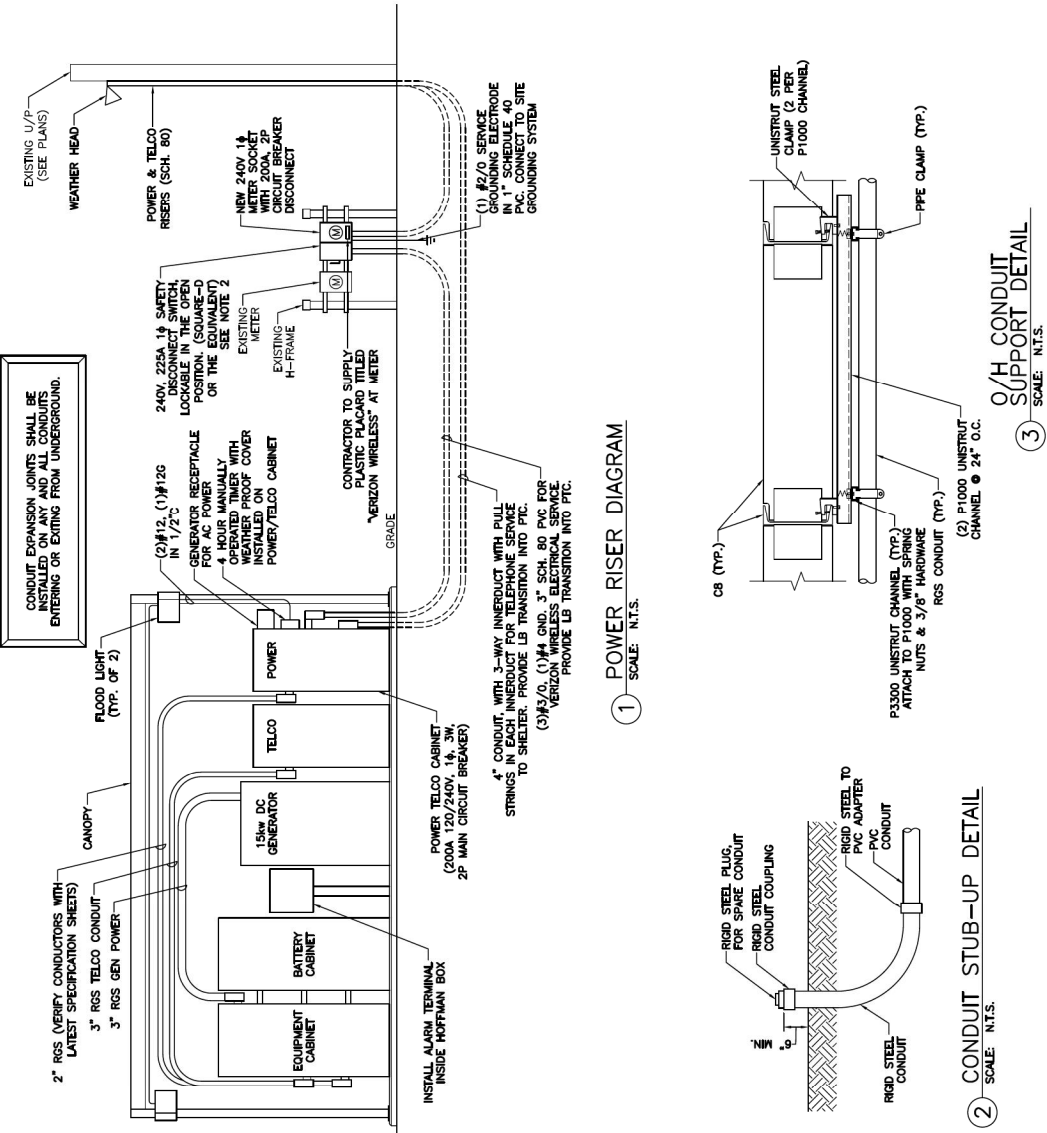
REV	DATE	DESCRIPTION	BY
A	09/28/15	FOR REVIEW	JM
B	03/09/16	REVISED EQUIPMENT	JM
C	07/25/16	REVISED PER SV	JM

SITE INFO:

SITE NAME:
PORTLAND_10_ME
LOCATION CODE:
361332
SITE ADDRESS:
**81 NORTHPORT DRIVE
PORTLAND, ME 04103
CUMBERLAND COUNTY**

SHEET TITLE:
ELECTRICAL NOTES & POWER RISER DIAGRAM

NEXIUS PROJ. NO.:
VZ11509
CHECKED BY:
MS
SHEET NUMBER:
E-1
CHECKED BY DATE:
03/09/16



- NOTE:**
- ALL POWER ROUTING SHALL BE COORDINATED WITH THE VERIZON WIRELESS CONSTRUCTION MANAGER AND THE SITE OWNER OR REPRESENTATIVE. ANY USE OF TELEPHONE SERVICE MUST BE APPROVED AND COORDINATED WITH THE VERIZON WIRELESS CONSTRUCTION MANAGER.
 - CONTRACTOR SHALL PLACE A PERMANENT SIGN AT THE SERVICE ENTRANCE WARNING: A 10 KW GAS STANDBY GENERATOR WITH AN AUTOMATIC TRANSFER SWITCH PROVIDES BACK UP POWER TO THE VERIZON WIRELESS EQUIPMENT.
 - VZW CONSTRUCTION MANAGER AND THE ELECTRICAL CONTRACTOR SHALL VERIFY ELECTRICAL APPLIANCE REQUIREMENTS TO BRING POWER UNDERGROUND FROM CENTRAL MAINE POWER UTILITY POLE #7, TO THE PROPOSED METER.

- ABBREVIATIONS**
- A: AMPERE
 - A.I.C: AVAILABLE INTERRUPTING CURRENT
 - A.T.S: AUTOMATIC TRANSFER SWITCH
 - C: CONDUIT
 - G.S.S: GALVANIZED STEEL
 - KWH: KILOWATT HOUR
 - PH: PHASE
 - P.O.C: POLYVINYL CHLORIDE
 - PVC: TINNED BARE COPPER WIRE
 - S.C.A: AVAILABLE SHORT CIRCUIT CURRENT
 - T.B.W: THIN
 - T.H: THERMOPLASTIC HIGH HEAT RESISTANT NYLON-COATED TYPICAL
 - U.O.N: U.S. N.WIRE
 - W: WIRE

- UPON DRILLING HOLES INTO CONCRETE, WHETHER FOR FASTENING OR ANCHORING THE RISER, THE CONCRETE MUST BE REINFORCED WITH CONCRETE REINFORCING BARS, ETC. IT MUST BE CLEARLY UNDERSTOOD THAT TENDONS AND REBARS WILL NOT BE DRILLED INTO, CUT, OR DAMAGED UNDER ANY CIRCUMSTANCES.
- 2" RGS (VERIFY CONDUCTORS WITH LATEST SPECIFICATION SHEETS)
- 3" RGS GEN POWER
- 3" RGS TELCO CONDUIT
- 24V, 2P5A 1A SAFETY DISCONNECT SWITCH LOCKABLE IN THE OPEN POSITION. (SQUARE-D OR THE EQUIVALENT) SEE NOTE 2
- EXISTING METER
- EXISTING H-FRAME
- CONTRACTOR TO SUPPLY PLASTIC PLACARD TITLED "VERIZON WIRELESS" AT METER GRADE
- NEW 240V, 1A METER SOCKET WITH 200A, 2P CIRCUIT BREAKER DISCONNECT
- 1" 1/2" GND. 3" SCH. 80 PVC FOR VERIZON WIRELESS ELECTRICAL SERVICE. PROVIDE LB TRANSITION INTO PTC.
- CONDUIT WITH 3-WAY INSURBUT WITH PULL STRINGS IN EACH INSURBUT FOR TELEPHONE SERVICE TO SHELTER. PROVIDE LB TRANSITION INTO PTC.
- 3" 1/2" GND. 3" SCH. 80 PVC FOR VERIZON WIRELESS ELECTRICAL SERVICE. PROVIDE LB TRANSITION INTO PTC.
- CONDUIT EXPANSION JOINTS SHALL BE INSTALLED ON ANY AND ALL CONDUITS ENTERING OR EXITING FROM UNDERGROUND.
- FLOOD LIGHT (TYP. OF 2)
- 24V, 2P5A 1A SAFETY DISCONNECT SWITCH LOCKABLE IN THE OPEN POSITION. (SQUARE-D OR THE EQUIVALENT) SEE NOTE 2
- EXISTING METER
- EXISTING H-FRAME
- CONTRACTOR TO SUPPLY PLASTIC PLACARD TITLED "VERIZON WIRELESS" AT METER GRADE
- NEW 240V, 1A METER SOCKET WITH 200A, 2P CIRCUIT BREAKER DISCONNECT
- 1" 1/2" GND. 3" SCH. 80 PVC FOR VERIZON WIRELESS ELECTRICAL SERVICE. PROVIDE LB TRANSITION INTO PTC.
- CONDUIT WITH 3-WAY INSURBUT WITH PULL STRINGS IN EACH INSURBUT FOR TELEPHONE SERVICE TO SHELTER. PROVIDE LB TRANSITION INTO PTC.
- 3" 1/2" GND. 3" SCH. 80 PVC FOR VERIZON WIRELESS ELECTRICAL SERVICE. PROVIDE LB TRANSITION INTO PTC.
- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION, CONSTRUCTION TOOLS, AND PROPERLY OPERATIVE SYSTEM AND ENERGED THROUGHOUT AND AS INDICATED ON DRAWINGS, AS SPECIFIED HEREIN AND/OR AS OTHERWISE REQUIRED.
- ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND IN PERFECT CONDITION WHEN INSTALLED AND SHALL BE OF THE BEST THROUGHOUT FOR EACH CLASS OR GROUP OF EQUIPMENT. ALL CONDUCTORS SHALL BE COPPER. ALL WIRING DEVICES AND MATERIALS SHALL BE LISTED AND BEAR THE INSPECTION LABEL "UL" WHERE SUBJECT TO SUCH APPROVAL. MATERIALS SHALL MEET WITH THE REQUIREMENTS OF ALL GOVERNING BODIES HAVING JURISDICTION. MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH APPLICABLE STANDARDS ESTABLISHED BY ANSI, NEMA, AND NFPA.
- ALL CONDUIT INSTALLED SHALL BE SURFACE MOUNTED UNLESS OTHERWISE SPECIFIED. ALL CONDUIT SHALL BE PROVIDED WITH BONDING BUSHINGS THROUGHOUT THE ENTIRE SYSTEM SHALL BE SOLIDLY GROUNDED USING COMPRESSION-TYPE PROPERLY BONDED GROUND CONDUCTORS. CRIMP-TYPE AND SET SCREW-TYPE CONDUIT FITTINGS ARE NOT ALLOWED.
- CONTRACTOR SHALL CARRY OUT THE WORK IN ACCORDANCE WITH ALL GOVERNING STATE, COUNTY, LOCAL CODES, AND BY NEMA AND SHALL BE PROVIDED AS REQUIRED BY ALL APPLICABLE CODES AND SHALL COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE.
- ELECTRICAL CONTRACTOR SHALL GIVE NOTICES, FILE PLANS, OBTAIN ELECTRICAL PERMITS AND LICENSES, PAY REQUIRED FEES, AND OBTAIN NECESSARY APPROVALS FROM AUTHORITIES THAT HAVE JURISDICTION.
- THE ELECTRICAL CONTRACTOR IS TO COORDINATE WITH UTILITY COMPANY FOR CONNECTION OF TEMPORARY AND PERMANENT POWER TO THE SITE. THE TEMPORARY POWER AND THE HOOR-COSTS SHALL BE PAID BY THE CONTRACTOR.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL CONDUIT ROUTING WITH CONSTRUCTION MANAGER. THE CONTRACTOR IS TO PROVIDE ALL NECESSARY SUPPORTS FOR CONDUIT RUNS WITH SPECIFICATIONS; CONDUITS INDICATED SHALL RUN PARALLEL OR AT RIGHT ANGLES TO CEILING, FLOOR OR BEAMS.
- LOCATION OF TENDONS AND RE-BARS ARE NOT DEFINITELY KNOWN AND THEREFORE MUST BE SEARCHED FOR BY APPROPRIATE METHODS AND EQUIPMENT THAT CAN ACCURATELY LOCATE THE REINFORCING STEEL TENDONS.