



**1 SITE PLAN - ELECTRICAL**  
 E0 SCALE: 1" = 30'-0"

LUMINAIRE SCHEDULE	
TYPE	DESCRIPTION
'SA'	EXTERIOR GROUND MOUNTED HID FLOODLIGHT. 16" WIDE BY 9" DIAMETER DIE CAST ALUMINUM HOUSING IN A BARREL CYLINDRICAL SHAPE. ONE PIECE DIE CAST ALUMINUM HOUSING. CAST ALUMINUM DOOR FRAME WITH 3/16" THICK CLEAR TEMPERED GLASS LENS. CAST ALUMINUM HEAVY DUTY SWIVEL. INTERCHANGEABLE SPECULAR ALUMINUM REFLECTOR ASSEMBLY WITH HORIZONTAL FLOOD DISTRIBUTION. PROVIDE STANTON MOUNT WITH 18" CONCRETE MOUNTED DEPTH. BRONZE PAINT FINISH. UL LISTED WET. -20 DEGREE, CWA HIGH POWER FACTOR BALLAST. ONE 150 WATT METAL HALIDE LAMP. NOMINAL INPUT WATTS: 188. GARDCO DF7 SERIES OR APPROVED SUBSTITUTE.
<b>LUMINAIRE SCHEDULE GENERAL NOTES</b>	
1. THIS LUMINAIRE SCHEDULE IS NOT COMPLETE WITHOUT A COPY OF THE PROJECT MANUAL CONTAINING THE ELECTRICAL SPECIFICATIONS.	
2. VERIFY LUMINAIRE VOLTAGE WITH BRANCH CIRCUIT SUPPLYING POWER TO LUMINAIRE PRIOR TO ORDERING.	
3. T8 FLUORESCENT LAMPS TO BE 3500K WITH A MINIMUM CRI OF 75.	
4. COMPACT FLUORESCENT LAMPS TO BE 3500K WITH A MINIMUM CRI OF 82.	
5. METAL HALIDE LAMPS TO BE 3900K WITH A MINIMUM CRI OF 70.	

- NOTES:**
- CONTACT AND COORDINATE ALL REQUIREMENTS AND RESPONSIBILITIES WITH SERVING UTILITY COMPANIES PRIOR TO SUBMITTING BID.
  - ALL SERVICE INSTALLATION WORK SHALL BE IN STRICT COMPLIANCE WITH THE REQUIREMENTS OF THE SERVING UTILITIES.

**POWER UTILITY CONTACT:**  
 ED EKSTROM  
 PGE  
 1705 NE BURNSIDE ST.  
 GRESHAM, OR 97030  
 PHONE: (503) 669-5216  
 FAX: (503) 464-7989

DRAWING SCHEDULE	
E0	SITE PLAN - ELECTRICAL
E1	FLOOR PLAN LIGHTING
E2	FLOOR PLAN POWER / SIGNAL
E2.1	PARTIAL FLOOR PLAN GROUNDING
E3	ONE-LINE DIAGRAM
E4	SYMBOL SCHEDULE, DETAILS
E5	PANEL SCHEDULES, DETAILS
E5.1	PANEL SCHEDULES, DETAILS
E6	NOC ALARM ONE-LINE DIAGRAM
E6.1	WALM NOC PUNCHDOWN BLOCK

LINE TYPE LEGEND	
---	NEW
---	EXISTING TO BE REMOVED

**NOTES THIS SHEET**

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| <p>1 EXISTING CT CAN.</p> <p>2 EXISTING PGE TRANSFORMER PAD VAULT. COORDINATE RELOCATION OF EXISTING ELECTRICAL SERVICE AND REMOVAL OF GENERATOR WITH GENERAL CONTRACTOR. SUBMIT SERVICE METHOD OF PRACTICE (SMOP) FOR ALL WORK ON ENERGIZED SYSTEMS PER AT&amp;T STANDARDS.</p> <p>3 THE PRIMARY CONDUCTOR USED IN THE RING GROUND SYSTEM SHALL CONSIST OF A #2 AWG BARE SOLID TINNED COPPER WIRE. THIS CONDUCTOR WILL RING THE ENTIRE FACILITY AT A DEPTH OF AT LEAST 18" BELOW GRADE, OR BELOW FROST LEVEL, WHICHEVER IS DEEPER. FURTHERMORE, THE CONDUCTOR WILL BE PLACED APPROXIMATELY 2' FROM THE EXTERIOR WALL OF THE FACILITY. THIS RING SHALL BE CONNECTED BY AT LEAST 2 CONDUCTORS TO THE MGB. THESE CONNECTIONS WILL SERVE AS THE PRINCIPLE GROUND POINTS. THE EXTERIOR RING GROUND SHALL BE BONDED TO THE EXISTING SATELLITE ANTENNA SUPPORTS, AND OTHER METALLIC OBJECT ON THE PROPERTY (FUEL TANKS, SEG'S).</p> <p>4 THE EXTERIOR GROUND SYSTEM SHALL CONTAIN ELECTRODES IN THE FORM OF DRIVEN RODS. THE EXTERIOR RING SHALL BE CONNECTED TO THE TOP OF 5/8" DIAMETER COPPER CLAD STEEL RODS OF 8' LENGTH, SPACED 16' APART. THE GROUND RODS SHALL BE DRIVEN TO THE RING WIRE DEPTH, I.E., THE LENGTH OF THE ROD PLUS THE DEPTH AT WHICH THE RING IS BURIED. ALL OUTDOOR CONNECTIONS BETWEEN THE GROUND CONDUCTORS AND THE RING CONDUCTOR SHALL BE MADE WITH AN EXOTHERMIC WELD.</p> <p>5 TIE NEW #2 AWG BARE SOLID TINNED COPPER GROUND WIRE TO EXISTING DISH GROUND ROD. ALL CONNECTIONS TO BE MADE WITH AN EXOTHERMIC WELD.</p> | <p>6 EXISTING PGE PRIMARY VAULT.</p> <p>7 NEW 4" PRIMARY CONDUIT. PROVIDE LONG SWEEP RIGID ELBOWS.</p> <p>8 NEW PGE TRANSFORMER PAD VAULT. PER PGE REQUIREMENTS.</p> <p>9 NEW 8-4" CONDUITS FOR SECONDARY CONDUCTORS.</p> <p>10 NEW CT/TERMINAL SECTION AT SWITCHBOARD.</p> <p>11 NOT USED.</p> <p>12 NOT USED.</p> <p>13 BOND NEW DIESEL GENERATOR TO NEW GROUNDING RING.</p> <p>14 NOT USED.</p> <p>15 BOND NEW CH-1 TO NEW GROUND RING.</p> <p>16 COORDINATE WITH EXISTING UTILITY AND OTHER TRADES DURING TRENCHING.</p> <p>17 REPLACE EXISTING CONDUIT AND CONDUCTOR BETWEEN EXISTING STREETLIGHTS AT COMPLETION OF PROJECT.</p> <p>18 ROUTE POWER AND ALARM TO GENERATOR IN TRENCH WITH FUEL OIL PIPING.</p> |
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**GROUP MACKENZIE**

Architecture  
Interior Design  
Land Use Planning

Civil Engineering  
Structural Engineering  
Transportation Planning

0690 SW Bancroft St / PO Box 69039  
Tel: 503.224.9560 / 503.695.7879  
Portland, OR 97201-0039  
Fax: 503.228.1285



Project  
**BROADBAND FACILITY EXPANSION PHASE 2 and 3**  
 Troutdale Oregon



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**R&W ENGINEERING, INC.**  
 8400 SW Beaverton-Hillsdale Highway, Suite 250  
 Beaverton, Oregon 97005  
 Phone: (503) 292-8000  
 Fax: (503) 292-1422  
 E-mail: rweg@rweg.com

Project No.: 571.009.001 Contact: JIM MITCHELL

**INCLUDING REVISION C**