

BUS COMPARTMENT BREAKER COMPARTMENT -4" WIREWAY-SPARE EQUIPPED EQUIPPED BLANK SPACE BREAKER SPACE **METERING DEVICES** PANEL **BLANK** DP-1 BREAKER BREAKER UTILITY METERING ADMIN BUILDING PUMP #1 BREAKER BREAKER BOARD 25 KVA

FUTURE INFLUENT PUMP #2 PANEL BOARD BREAKER MCC BREAKER EQUIPPED SPARE BLANK BLANK SPACE BREAKER 4" WIREWAY-

SWITCHGEAR SG-3 FRONT VIEW

N.T.S.

(SEE NOTE #3)

NOTE: EQUIPMENT PAD AND NEMA 3R WALK-ENCLOSURE NOT SHOWN

NOTES:

1. FOR AREA CLASSIFICATION SEE SHEET E-21

2. STUB CONDUITS UP INSIDE BUILDING AND ROUTE TO EQUIPMENT. SEE INTERCONNECTION DIAGRAM ON SHEET E-22 AND ONE LINE DIAGRAM ON SHEET E-19 FOR CONDUIT AND WIRE REQUIREMENTS. PROVIDE CONDUIT PULLING POINT (LBD FITTINGS OR PULL BOXES) AS REQUIRED.

3. SWITCHGEAR SG-3 DIMENSIONS ARE APPROXIMATE AND MAY VARY BASED ON THE MANUFACTURER OF EQUIPMENT.

4. COORDINATE THE INSTALLATION OF CONDUITS WITH HVAC LOUVER.

- MINI-POWER CENTER MP-3 —⊕ MP3-3 MP3-1 1A 2-32 8'-0" AFF - GROUND TO HARMONIC FILTER UNIT #1 SEE EQUIPMENT ENCLOSURE POWER PLAN ON THIS -GROUND TO CONTROL PANEL SHEET FOR EQUIPMENT LOCATION -GROUND TO MP-3 XFMR -1" PVC CONDUIT WITH 1#4 BARE COPPER GROUND MP3-1⊗ MP3-3 (1) - EQUIPMENT GROUND BUS
1/4"x2"x1" LONG HARD DRAWN
BAR STOCK WITH SUITABLE
STANDOFF. FASTEN TO WALL GROUND ROD ----AS REQUIRED -#4/0 BARE COPPER GROUND CABLE TO SWITCHGEAR SG-3 (MOUNT ABOVE DOOR) GROUND GRID EQUIPMENT ENCLOSURE TO SWTCHGEAR SG-3 GROUND LOOP LIGHTING PLAN

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EQUIPMENT ENCLOSURE-POWER PLAN (SEE SHEET E-20A)

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CITY OF ROANOKE, VIRGINIA

WATER POLLUTION

CONTROL PLANT

UPGRADE AND EXPANSION

PLANT INFLUENT PUMP STATION
SWITCHGEAR SG-3
PLAN AND DETAILS
SCALE: 3/8"=1'-0"

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