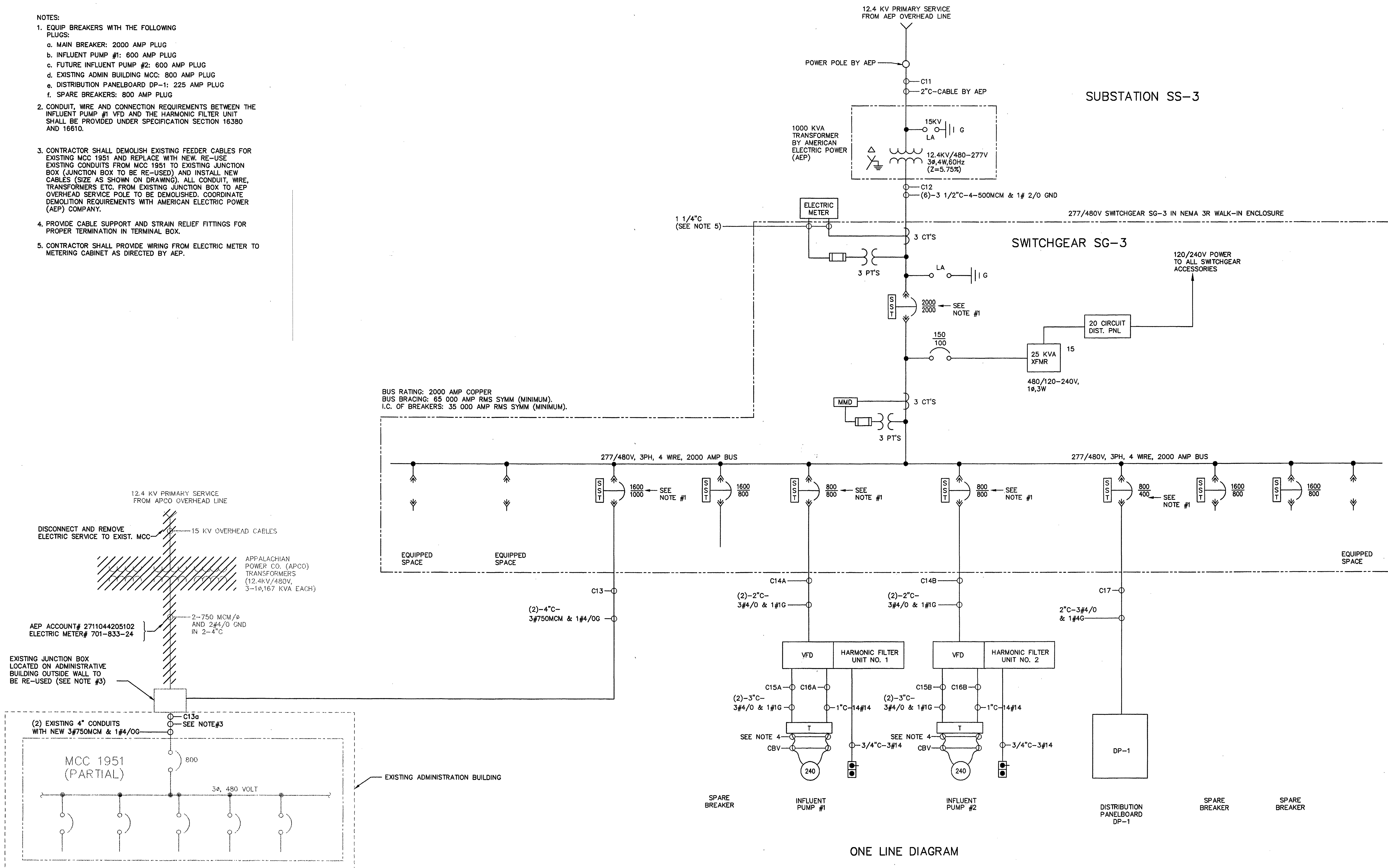


- NOTES:
- EQUIP BREAKERS WITH THE FOLLOWING PLUGS:
 - MAIN BREAKER: 2000 AMP PLUG
 - INFLUENT PUMP #1: 600 AMP PLUG
 - FUTURE INFLUENT PUMP #2: 600 AMP PLUG
 - EXISTING ADMIN BUILDING MCC: 800 AMP PLUG
 - DISTRIBUTION PANELBOARD DP-1: 225 AMP PLUG
 - SPARE BREAKERS: 800 AMP PLUG
 - CONDUIT, WIRE AND CONNECTION REQUIREMENTS BETWEEN THE INFLUENT PUMP #1 VFD AND THE HARMONIC FILTER UNIT SHALL BE PROVIDED UNDER SPECIFICATION SECTION 16380 AND 16610.
 - CONTRACTOR SHALL DEMOLISH EXISTING FEEDER CABLES FOR EXISTING MCC 1951 AND REPLACE WITH NEW. RE-USE EXISTING CONDUITS FROM MCC 1951 TO EXISTING JUNCTION BOX (JUNCTION BOX TO BE RE-USED) AND INSTALL NEW CABLES (SIZE AS SHOWN ON DRAWING). ALL CONDUIT, WIRE, TRANSFORMERS ETC. FROM EXISTING JUNCTION BOX TO AEP OVERHEAD SERVICE POLE TO BE DEMOLISHED. COORDINATE DEMOLITION REQUIREMENTS WITH AMERICAN ELECTRIC POWER (AEP) COMPANY.
 - PROVIDE CABLE SUPPORT AND STRAIN RELIEF FITTINGS FOR PROPER TERMINATION IN TERMINAL BOX.
 - CONTRACTOR SHALL PROVIDE WIRING FROM ELECTRIC METER TO METERING CABINET AS DIRECTED BY AEP.



ONE LINE DIAGRAM

**MALCOLM
PIRNIE**

11832 Rock Landing Drive, Suite 400
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REVISIONS			
NO.	BY	DATE	REMARKS
1	ARB	JAN. 2000	RECORD DRAWING

DES --- GJM ---
DWN --- GJM ---
CKD --- TK ---



CITY OF ROANOKE, VIRGINIA
WATER POLLUTION
CONTROL PLANT
UPGRADE AND EXPANSION

PLANT INFLUENT PUMP STATION
SWITCHGEAR SG-3
ONE LINE DIAGRAM

SCALE: NONE

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