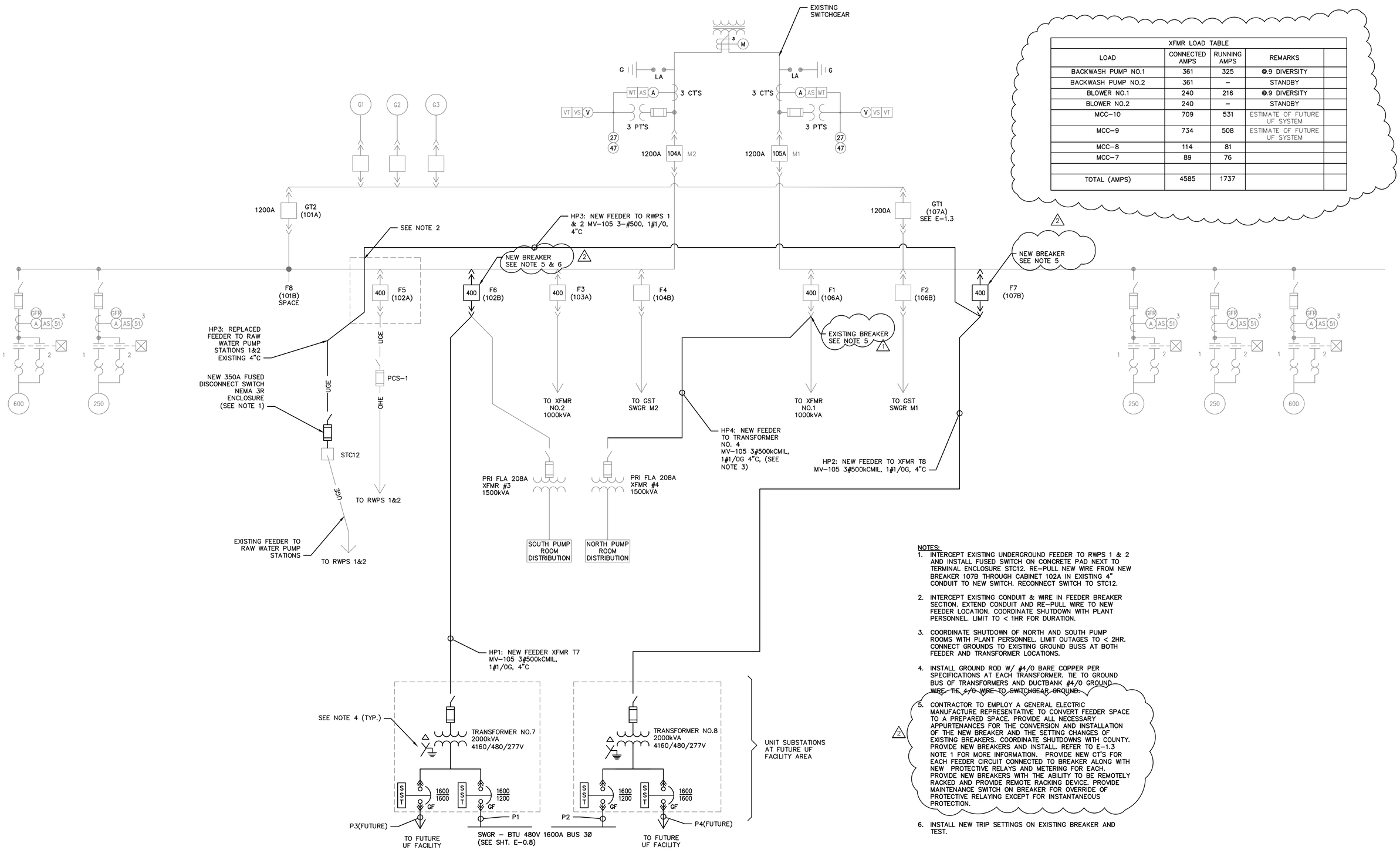


| XFMR LOAD TABLE | | | | |
|---|---|---|---|---|
| LOAD | CONNECTED AMPS | RUNNING AMPS | REMARKS | |
| BACKWASH PUMP NO.1 | 361 | 325 | @.9 DIVERSITY | |
| BACKWASH PUMP NO.2 | 361 | – | STANDBY | |
| BLOWER NO.1 | 240 | 216 | @.9 DIVERSITY | |
| BLOWER NO.2 | 240 | – | STANDBY | |
| MCC-10 | 709 | 531 | ESTIMATE OF FUTURE UF SYSTEM | |
| MCC-9 | 734 | 508 | ESTIMATE OF FUTURE UF SYSTEM | |
| MCC-8 | 114 | 81 | | |
| MCC-7 | 89 | 76 | | |
| | | | | |
| | | | | |
| TOTAL (AMPS) | 4585 | 1737 | | |

NOTES:

1. INTERCEPT EXISTING UNDERGROUND FEEDER TO RWPS 1 & 2 AND INSTALL FUSED SWITCH ON CONCRETE PAD NEXT TO TERMINAL ENCLOSURE STC12. RE-PULL NEW WIRE FROM NEW BREAKER 107B THROUGH CABINET 102A IN EXISTING 4" CONDUIT TO NEW SWITCH. RECONNECT SWITCH TO STC12.
2. INTERCEPT EXISTING CONDUIT & WIRE IN FEEDER BREAKER SECTION. EXTEND CONDUIT AND RE-PULL WIRE TO NEW FEEDER LOCATION. COORDINATE SHUTDOWN WITH PLANT PERSONNEL. LIMIT TO < 1HR FOR DURATION.
3. COORDINATE SHUTDOWN OF NORTH AND SOUTH PUMP ROOMS WITH PLANT PERSONNEL. LIMIT OUTAGES TO < 2HR. CONNECT GROUNDS TO EXISTING GROUND BUSS AT BOTH FEEDER AND TRANSFORMER LOCATIONS.
4. INSTALL GROUND ROD W/ #4/0 BARE COPPER PER SPECIFICATIONS AT EACH TRANSFORMER. TIE TO GROUND BUS OF TRANSFORMERS AND DUCTBANK #4/0 GROUND WIRE. TIE 4/0 WIRE TO SWITCHGEAR GROUND.
5. CONTRACTOR TO EMPLOY A GENERAL ELECTRIC MANUFACTURE REPRESENTATIVE TO CONVERT FEEDER SPACE TO A PREPARED SPACE. PROVIDE ALL NECESSARY APPURTENANCES FOR THE CONVERSION AND INSTALLATION OF THE NEW BREAKER AND THE SETTING CHANGES OF EXISTING BREAKERS. COORDINATE SHUTDOWNS WITH COUNTY. PROVIDE NEW BREAKERS AND INSTALL. REFER TO E-1.3 NOTE 1 FOR MORE INFORMATION. PROVIDE NEW CT'S FOR EACH FEEDER CIRCUIT CONNECTED TO BREAKER ALONG WITH NEW PROTECTIVE RELAYS AND METERING FOR EACH. PROVIDE NEW BREAKERS WITH THE ABILITY TO BE REMOTELY RACKED AND PROVIDE REMOTE RACKING DEVICE. PROVIDE MAINTENANCE SWITCH ON BREAKER FOR OVERRIDE OF PROTECTIVE RELAYING EXCEPT FOR INSTANTANEOUS PROTECTION.
6. INSTALL NEW TRIP SETTINGS ON EXISTING BREAKER AND TEST.

| REV.NO. | DESCRIPTIONS | DATE |
|---|---|---|
| 2 | ADDENDUM 2 MODIFICATIONS | 2/2016 |

REVISIONS

SEAL

AUBREY A. HAUDRICOURT LICENSE No 66861 STATE OF FLORIDA PROFESSIONAL ENGINEER

AUBREY A. HAUDRICOURT, P.E. No. 66861

SEAL

McKIM&CREED
1365 Hamlet Avenue
Clearwater, Florida 33756
Phone: (727)442-7196, Fax: (727)461-3827
CA Lic. No. 29588
www.mckimcreed.com

Manatee County FLORIDA

MANATEE COUNTY
WTP BIOLOGICAL TREATMENT UNIT

PROPOSED MV ONE LINE

| | |
|---|---|
| DATE: | FEBRUARY 2016 |
| MCE PROJ. # | 1024-0167 |
| DRAWN | AAH |
| DESIGNED | AAH |
| CHECKED | JSL |
| PROJ. MGR. | PJL |

SCALE
HORIZONTAL: AS SHOWN
VERTICAL: NA

DRAWING NUMBER
E-0.3

STATUS: ISSUE FOR BID
REVISION

S:\1024\0167\00-Drawings\Electrical\E-0.3 1024\0167 MV Oneline.dwg, 2/2/2016 3:42:54 PM, Aubrey Haudricourt