

# GENERAL NOTES:

- REMOVE AND DISPOSE OF ALL EXISTING FEEDERS (WHETHER WHOLE OR PARTIAL LENGTHS) THAT BECOME UNUSED AFTER NEW SERVICES ARE IN PLACE AND COMMISSIONED.
- PROVIDE GALVANIZED RMC ABOVE GRADE WHERE NECESSARY FOR EXPOSED ROUTING OF FEEDERS TO EXISTING ENCLOSURES. SEE SPECIFICATION 260541 FOR ADDITIONAL REQUIREMENTS.
- COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS GOVERNING THE REMOVAL AND DISPOSAL OF LEAD MATERIAL AND LEAD-JACKETED ELECTRICAL CABLES.
- PROVIDE A SPARE 5" CONDUIT FROM EACH SECTION OF PROPOSED TRANSFORMERS AND OTHER PROPOSED GEAR EXTENDED BELOW GRADE 24" HORIZONTALLY BEYOND PAD AND CAPPED FOR FUTURE USE. RECORD EXACT LOCATION OF CONDUIT ENDS ON RECORD DRAWINGS.
- PROVIDE GROUNDING CONDUCTORS FOR ALL MEDIUM VOLTAGE CABLES SIZED AT #350 KCMIL FOR 750 KCMIL #40 AWG FOR 500 KCMIL #1 AWG FOR #40 AWG, #3 AWG FOR #20 AWG AND #4 AWG FOR #10 AWG PHASE CONDUCTORS. PROVIDE MINIMUM 600V RATED THWN-2 OR XHHW INSULATION.
- ALL MEDIUM VOLTAGE CABLES SHALL BE RATED 15 KV MINIMUM.
- FEEDER LENGTHS INDICATED ON THIS DRAWING ARE INDICATED SHORTER THAN THE ACTUAL LENGTH FOR FAULT CURRENT CALCULATION PURPOSES ONLY AND SHALL NOT BE USED FOR ANY PURPOSE. FIELD MEASURE ALL FEEDER LENGTHS PRIOR TO BID AND RELEASE OF ANY MATERIALS. PROVIDE FEEDER LENGTHS AS REQUIRED BY FIELD CONDITIONS.
- ALL MEDIUM VOLTAGE CONDUITS SHALL BE 5" UNLESS NOTED OTHERWISE. ALL UNDERGROUND CONDUITS SHALL BE INSTALLED IN CONCRETE ENCASED DUCT BANK.
- ADJUST ALL EXISTING OVERCURRENT PROTECTION DEVICES AS REQUIRED TO COORDINATE WITH PROPOSED OVERCURRENT PROTECTION DEVICES AND PREVENT NUISANCE TRIPPING CAUSED BY TRANSFORMER INRUSH WITH BOTH THE EXISTING AND PROPOSED TRANSFORMERS CONNECTED. SEE SPECIFICATION 260571 FOR ELECTRICAL PROTECTIVE DEVICES STUDY REQUIREMENTS. COORDINATION SHALL BE PROVIDED WITH PRIMARY DEVICES. LOW-VOLTAGE DEVICES SHALL BE SEPARATELY COORDINATED PER THE SPECIFICATIONS.

## KEYED NOTES (THIS SHEET ONLY):

- PROVIDE SECTIONALIZING CABINET ADJACENT TO EXISTING PMS-5 AND FEED FROM THE LOAD SIDE OF THE SWITCH WITH A NIPPLE INTO THE CABINET. PROVIDE FOUR POSITION DEADBREAK JUNCTIONS FOR EACH PHASE. SEE SHEET ES.1002 FOR LOCATION.
- INTERCEPT FEEDER IN EXISTING JUNCTION BOX IN MECHANICAL ROOM G11. PROVIDE A PADLOCKABLE CABINET WITH PENTHEAD LOCK EQUAL TO MEDIUM VOLTAGE TRANSFORMERS. SEE SHEET 107-ES.200 FOR LOCATION. PROVIDE MOLDED RUBBER DEAD BREAK THREE-WAYSEPARABLE SPLICE KIT TO FEED THE PROPOSED TRANSFORMER FROM THE EXISTING CABLE AND TEMPORARILY FEED THE EXISTING TRANSFORMER.
- PROVIDE PRIMARY WITH DEADFRONT, SIX 600 A BUSHING WELLS, PARKING STANDS, AND "I" BLADE LOAD BREAK SWITCH WITH MAKE-BEFORE-BREAK SWITCHING IN THE PROPOSED TRANSFORMER. SWITCH SHALL BE CONFIGURED TO ALLOW CONNECTION TO FEEDER A, FEEDER B, OR NO CONNECTION. SWITCH SHALL NOT PERMIT THE TWO FEEDERS TO BE CONNECTED TOGETHER. PROVIDE LOAD BREAK REDUCING TAP PLUGS FOR EACH BUSHING WELL TO PERMIT 200 A LOAD BREAK CONNECTORS. PROVIDE ONE PARKING STAND AND LOADBREAK PROTECTIVE CAP PER PHASE. PROVIDE 6KV ELBOW ARRESTORS ON EACH PHASE OF EACH FEEDER. PROVIDE ROTATABLE FEED-THROUGH INSERTS TO ALLOW ARRESTOR CONNECTION.
- PROVIDE SIX BUSHING WELLS WITH 200A LOAD BREAK CONNECTORS AND 6 KV ELBOW ARRESTORS.
- PM-7 HAS LIVE FRONT CONNECTIONS AND NO SPARE CONDUITS OR OPENINGS. SHUTDOWN TO CUT IN NEW CONDUIT IS REQUIRED. COORDINATE SHUTDOWNS WITH COTR. FIELD VERIFY EXISTING CONDITIONS.

## CONDUIT SIZES:

FEEDER OF THREE 15KV CABLES AND 600V GROUND:  
4/0 AND SMALLER- 4"  
250-750KCMIL- 5"  
1000 KCMIL- 6"

