

NUMBERED NOTES

1

EXISTING CATHODIC PROTECTION SYSTEM RECTIFIER ELECTRICAL ENCLOSURE (24" x 18" x 18"). REPLACE WITH NEW WEATHERPROOF NEMA 4X ENCLOSURE (SIZED TO ACCOMMODATE NEW AUTOMATIC RECTIFIER AND ELECTRICAL OUTLET). EXISTING RECTIFIER AND 120V RECEPTACLE OUTLET SHALL BE REPLACED WITH A NEW AUTOMATIC RECTIFIER AND WEATHERPROOF 120V ELECTRICAL OUTLET. NEW ENCLOSURE SHALL BE INSTALLED 36" ABOVE GRADE. ALL CONDUITS SHOWN TO REMAIN SHALL BE ROUTED INTO NEW ENCLOSURE. EXISTING CONDUCTORS FROM RECTIFIER TO TANK SHALL BE REMOVED IN ACCORDANCE WITH THE GENERAL NOTES.

2

EXISTING 1" CONDUIT AND CONDUCTORS FROM THE EXISTING CATHODIC PROTECTION SYSTEM RECTIFIER TO EXISTING 120V FEED AT CIRCUIT BREAKER NUMBER 8 (RATED 20 AMPS) OF ELECTRICAL PANEL IN NEABY SUBSTATION (BUILDING D-23). BUILDING D-23 IS LOCATED APPROX. 100 FEET FROM EXISTING RECTIFIER. THE EXISTING CONDUIT, 20AMP CIRCUIT BREAKER AND CONDUCTORS SHALL REMAIN TO SERVICE NEW CATHODIC PROTECTION SYSTEM AUTOMATIC RECTIFIER UNLESS NEW AUTOMATIC RECTIFIER ELECTRICAL (INPUT POWER) EXCEEDS THE RATING OF EXISTING DEVICES. IN SUCH CASE, THE CONTRACTOR SHALL INSTALL A NEW CIRCUIT BREAKER AT CIRCUIT NUMBER EIGHT AND NEW CONDUCTORS AND/OR NEW SCHEDULE 40 PVC CONDUIT BETWEEN BUILDING D-23 AND THE NEW AUTOMATIC RECTIFIER. IF NEW CONDUIT IS REQUIRED, EXISTING CONDUIT SHALL BE CUT, CAPPED AND SEALED EIGHT FEET BELOW PENETRATION OF GRADE AND NEW CONDUIT SHALL BE INSTALLED UNDERGROUND (DIRECT BURIED 24" BELOW GRADE) BETWEEN BUILDING D-23 AND THE NEW AUTOMATIC RECTIFIER. IF NEW CONDUIT IS INSTALLED, CONTRACTOR SHALL USE THE PENETRATION USED BY EXISTING RECTIFIER POWER CONDUIT INTO BUILDING D-23. IF NEW CONDUCTORS ARE REQUIRED, EXISTING CONDUCTORS SHALL BE DEMOLISHED AND NEW CONDUCTORS SHALL BE PULLED THROUGH EXISTING CONDUIT (IF APPLICABLE) OR NEW CONDUIT. IF A NEW CIRCUIT BREAKER IS REQUIRED, THE EXISTING CIRCUIT BREAKER (CIRCUIT NUMBER EIGHT) SHALL BE REPLACED WITH A NEW CIRCUIT BREAKER RATED TO SERVICE NEW AUTOMATIC RECTIFIER CIRCUIT. NEW CONDUIT AND CONDUCTORS SHALL BE INSTALLED IF APPLICABLE. THE CONTRACTOR MUST ENSURE THAT CONDUIT, CONDUCTORS AND CIRCUIT BREAKER ARE SIZED PROPERLY TO SUPPLY POWER TO THE CATHODIC PROTECTION SYSTEM.

3

REMOVE ABANDONED 2" CONDUIT THAT PENETRATES THE BOTTOM OF EXISTING CATHODIC PROTECTION SYSTEM RECTIFIER ELECTRICAL ENCLOSURE. CONDUIT SHALL BE CUT, CAPPED AND SEALED EIGHT FEET BELOW GRADE PENETRATION. CONTRACTOR MUST REMOVE ALL CONDUCTORS. CONTRACTOR SHALL COORDINATE WITH THE CONTRACTING OFFICER OR CONTRACTING OFFICER'S REPRESENTATIVE PRIOR TO REMOVING CONDUCTORS.

4

NEW 1/2" PVC CONDUIT, BARE #4 AWG COPPER GROUND CABLE AND COPPER CLAD STEEL GROUND ROD (3/4" X 10'L).

WASHINGTON AQUEDUCT DALECARLIA WATER TREATMENT PLANT, WASHINGTON, D.C.			
WASH WATER TANK IMPROVEMENTS			
NUMBERED NOTES			
DESIGNED BY: WPS CAD BY: JS CHECKED BY: WPS	DRAWING NUMBER: 40.14-1.4E <hr/> DATE: MAY 2003	SHEET: E-4	PLATE: 4