

FOR CONTINUATION
SEE SHEET CP-4



*Performed In Accordance
with an Req. For Info.
Approved by Fuels Div. off - JB*

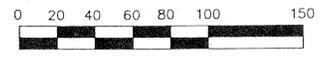
AS-BUILT DRAWINGS

*Revised by
F. Carter - JB
3-15-02*

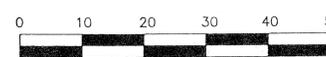
RECTIFIER R-4 CATHODIC PROTECTION SYSTEM 1
SCALE: 1:480 CP-1 CP-5

NOTES:

1. TANKS NO. 2273 AND 2274 ARE ABOVE GRADE ON CONCRETE RING FOUNDATIONS MOUNTED ON ROCK.
2. THE DIKE FLOOR AROUND THE TANKS IS ASPHALT WHICH IS SEALED.
3. INSTALL NEW NEGATIVE CABLES TO PIPING USING EXOTHERMIC WELDS.
4. REMOVE EXISTING RECTIFIERS (2) AND PADS AS WELL AS POSITIVE AND NEGATIVE CABLES AND ABANDON BELOW GRADE.
5. RUN ALL NEW CABLE IN CONCRETE ENCASED PVC.
6. INSTALL NEW SHALLOW ANODE BEDS AS SHOWN.
7. INSTALL ONE (1) NEW 70 VOLT- 42 AMP OIL COOLED RECTIFIER UNIT. POUR NEW CONCRETE PAD AT LOCATION OF OLD RECTIFIER NO. 4 PAD AND UTILIZE EXISTING 208 VAC 1Ø POWER SOURCE.



SCALE IN FEET



SCALE IN METERS



CATHODIC PROTECTION LEGEND	
REMOVE EXISTING RECTIFIER PROVIDE RECTIFIER R-4 70 V, 42 A, 1Ø OIL COOLED USE EXISTING AC SERVICE LOCATION (25A BREAKER) SEE DETAIL	NEW CATHODIC PROTECTION CABLE MARKER SEE DETAIL 2 CP-5/CP-13
NEW 19mm X 1219mm MIXED METAL OXIDE TUBULAR SHALLOW ANODE SEE DETAIL 2 CP-5/CP-11	NEW CATHODIC PROTECTION ABOVE GROUND TANK TEST STATION SEE DETAIL 5 CP-5/CP-11
NEW POSITIVE CATHODIC PROTECTION CABLE NO. 1 AWG STRD COPPER WIRE W/HMWPE INSUL. IN 38mm Ø PVC CONDUIT ENCASED IN CONCRETE AT ALL LOCATIONS INCLUDING AROUND TANKS SEE TRENCH DETAIL 1 CP-5/CP-11	EXOTHERMIC WELD TO PIPE SEE DETAIL 5 CP-5/CP-13
NEW NEGATIVE CATHODIC PROTECTION CABLE NO. 1 AWG STRD COPPER WIRE W/HMWPE INSUL. IN 38mm Ø PVC CONDUIT ENCASED IN CONCRETE AT ALL LOCATIONS INCLUDING AROUND TANKS SEE TRENCH DETAIL 1 CP-5/CP-11	

IF SHEET IS LESS THAN 594 X 841 IT IS A REDUCED PRINT SCALE REDUCED ACCORDINGLY

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK AMONG THE VARIOUS TRADES AS NECESSARY TO AVOID CONFLICTS AND TO INSURE THE INSTALLATION OF ALL WORK WITHIN THE AVAILABLE SPACE.

CP-5 SATISFACTORY TO _____ DATE _____

PSG Corrosion Engineering 8840 Complex Dr. Ste. 100 San Diego, CA 92123	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND SOUTH WEST DIVISION SAN DIEGO, CALIFORNIA
DES CKM _____ DR EC _____ CHK PJR _____ SUPV CKM _____ CH ENG RBJ _____ SUBMITTED BY _____ DATE 4-30-97 DRAWN BY _____ DISTRICT MGR _____ SW DIV NFO:RVD _____ BR MGR _____ DFPE _____ PDE ATT INBM _____ DIR _____	DFSP ROOSEVELT ROADS PUERTO RICO DESC PROJECT FY 97, RRD 97-3 REPAIR CATHODIC PROTECTION SYSTEMS DFSP ROOSEVELT ROADS RECTIFIER R-4 CATHODIC PROTECTION SYSTEM SIZE: CODE IDENT. NO. NAVFAC DRAWING NO. D 80091 8129757 CONST. CONTR. NO. N67811-98-C-5742 SPEC. 11-98-5742 SHEET 6 OF 15