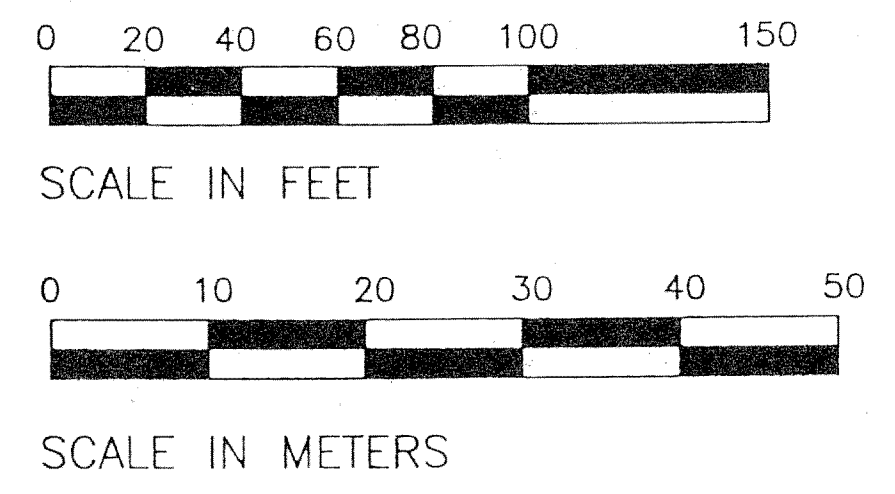


*Performed In Accordance  
with an Reg. For Info.  
Approved by Fuels Div. off - B*

**AS-BUILT DRAWINGS**  
*Revised by  
F. Carter - JG  
3-15-02*

**RECTIFIER R-4 CATHODIC PROTECTION SYSTEM**  
SCALE: 1:480

- 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.



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
	NEW 19mm X 1219mm MIXED METAL OXIDE TUBULAR SHALLOW ANODE SEE DETAIL		NEW CATHODIC PROTECTION ABOVE GROUND TANK TEST STATION SEE DETAIL
	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		EXOTHERMIC WELD TO PIPE SEE DETAIL
	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		

CP-5 SATISFACTORY TO DATE

<b>PSG Corrosion Engineering</b> 8840 Complex Dr. Ste. 100 San Diego, CA 92123		DEPARTMENT OF THE NAVY <b>SOUTHWEST DIVISION</b> SAN DIEGO, CALIFORNIA	
DES CKM SUPV CKM SUBMITTED BY DATE SW DIV INFC: RVD DFR DIR	DR EC CH ENG RBJ DATE BR MGR INBM	DFSP ROOSEVELT ROADS <b>DESC PROJECT FY 97, RRD 97-3</b> <b>REPAIR CATHODIC PROTECTION SYSTEMS</b> <b>DFSP ROOSEVELT ROADS</b> RECTIFIER R-4 CATHODIC PROTECTION SYSTEM	
APPROVED		SIZE <b>D</b>	CODE IDENT. NO. <b>80091</b>
FOR COMMANDER NAVFAC		NAVFAC DRAWING NO. <b>8129757</b>	CONST. CONTR. NO. N67811-98-C-5742
SCALE		AS NOTED	SPEC. 11-98-5742 SHEET 6 OF 15