



### CATHODIC PROTECTION LEGEND

- REMOVE EXISTING RECTIFIER  
 PROVIDE RECTIFIER R-2  
 50 V, 12 A, 1Ø OIL COOLED  
 USE EXISTING AC SERVICE LOCATION (10A BREAKER)  
 SEE DETAIL  
 CP-3|CP-10
- NEW 19mm X 1219mm MIXED METAL OXIDE  
 TUBULAR SHALLOW ANODE  
 SEE DETAIL  
 CP-3|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  
 CP-3|CP-11
- 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-3|CP-11
- NEW CATHODIC PROTECTION TEST STATION  
 WELDED TO STRUCTURE USING THE  
 EXOTHERMIC WELD PROCESS  
 SEE DETAIL  
 CP-3|CP-11
- NEW CATHODIC PROTECTION CABLE MARKER  
 SEE DETAIL  
 CP-3|CP-13
- EPOXY RESIN CABLE SPLICE  
 SEE DETAIL  
 CP-3|CP-13
- EXOTHERMIC WELD TO PIPE  
 SEE DETAIL  
 CP-3|CP-13

RECTIFIER R-2 CATHODIC PROTECTION SYSTEM  
 SCALE: 1:600  
 CP-1|CP-3

- NOTES:**
- TANKS NO. 82 AND 83 ARE CONCRETE AND WILL REMAIN IN SERVICE. STEEL PIPING WILL ALSO REMAIN IN SERVICE.
  - TANKS NO. 84, 85, 1080, 1082 AND 1088 ARE CUT AND COVER WITH ONLY STEEL SIDE WALLS EXPOSED TO SOIL. THESE TANKS WILL BE DEMOLISHED. THE LINES WILL BE ABANDONED IN PLACE.
  - ALL PIPING IS WELDED CARBON STEEL WITH ORIGINAL COAL TAR EPOXY COATING.
  - INSTALL NEW TEST STATIONS ON PIPING TO MONITOR CATHODIC PROTECTION LEVELS AS SHOWN.
  - RECTIFIER R-2 IS TO BE REPLACED. REMOVE EXISTING NEGATIVE AND POSITIVE CABLES AND ABANDON BELOW GRADE. RESTORE AC POWER TO NEW RECTIFIER.
  - RUN CATHODIC PROTECTION CABLE BELOW GRADE IN CONCRETE ENCASED PVC.

**NEW TANK UNDER CONSTRUCTION**

**AS-BUILT DRAWINGS**

*Revised by:*  
F. Carter - B

PSG Corrosion Engineering 8840 Complex Dr. Ste. 100 San Diego, CA 92123				DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND SOUTHWEST DIVISION SAN DIEGO, CALIFORNIA			
DES CKM SUPV CKM SUBMITTED BY SW DIV NFEC RVD DFE DIR				CHK PJR CH ENG RBJ DATE 4-30-97 DISTRICT MGR. DR MGR INDEM			
APPROVED FOR COMMANDER NAVFAC				DATE DATE			
SIZE D				CODE IDENT. NO. 80091			
NAVFAC DRAWING NO. 8129755				CONST. CONTR. NO. N67811-98-C-5742			
SCALE AS NOTED				SPEC. 11-98-5742 SHEET 4 OF 15			

CP-3 SATISFACTORY TO TITLE