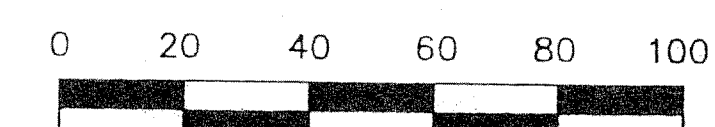


SCALE IN FEET



SCALE IN METERS

CATHODIC PROTECTION LEGEND

(+) NEW POSITIVE CATHODIC PROTECTION CABLE
NO. 1 AWG STRD COPPER WIRE W/HMPE INSUL.
IN 38mm Ø PVC CONDUIT ENCASED IN CONCRETE
AT ALL LOCATIONS INCLUDING AROUND TANKS
SEE TRENCH DETAIL

CP-2 CP-11

(-) NEW NEGATIVE CATHODIC PROTECTION CABLE
NO. 1 AWG STRD COPPER WIRE W/HMPE INSUL.
IN 38mm Ø PVC CONDUIT ENCASED IN CONCRETE
AT ALL LOCATIONS INCLUDING AROUND TANKS
SEE TRENCH DETAIL

CP-2 CP-11

NEW CATHODIC PROTECTION TEST STATION
WELDED TO STRUCTURE USING THE
EXOTHERMIC WELD PROCESS
SEE DETAIL

CP-2 CP-11

A-# NEW 19mm X 1219mm MIXED METAL OXIDE
TUBULAR SHALLOW ANODE
SEE DETAIL

CP-2 CP-11

EXOTHERMIC WELD TO PIPE
SEE DETAIL

CP-2 CP-13

AS-BUILT DRAWINGS

Revised by:
F. Cortez
3-15-88



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	
DESIGN: DES, CHK: DR, EC: CH, ENG: RBJ, CHK: PUR		DFSP ROOSEVELT ROADS DESC PROJECT FY 97, RRD 97-3 REPAIR CATHODIC PROTECTION SYSTEMS DFSP ROOSEVELT ROADS	
SUBMITTED BY: [Signature] DATE: 4-30-99 CIVIL MEMBER (TITLE) DISTRICT MGR.		RECTIFIER R-1 CATHODIC PROTECTION SYSTEM	
SW DIV NFEC-RVD BR MGR. DFPE PDE AZT INSM.		SIZE: D CODE IDENT. NO. 80091 NAVFAC DRAWING NO. 8129754	
APPROVED: [Signature]		CONST. CONTR. NO. N67811-98-C-5742	
FOR COMMANDER NAVFAC DATE:		SPEC. 11-98-5742 SHEET 3 OF 15	

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-2 SATISFACTORY TO DATE
TITLE

RECTIFIER R-1 CATHODIC PROTECTION SYSTEM

SCALE: 1:1200

CP-1 CP-2

New

LEGEND: Description

A M --- Additional Markers Installed

NOTES:

1. ENSURE PIPING IS ELECTRICALLY ISOLATED AT PIER 3. REPLACE EXISTING DIELECTRIC MATERIAL AS REQUIRED IN ACCORDANCE WITH SPECIFICATION.
2. INSTALL NEW PIPELINE TEST STATIONS AS SHOWN.
3. REMOVE EXISTING RECTIFIER UNIT.
4. INSTALL NEW AC 208 1Ø 60HZ BREAKER WITH 15 AMP CAPACITY AT BLDG. 192.
5. POUR NEW CONCRETE PAD AND INSTALL NEW 24 VOLT 42 AMPERE OIL COOLED RECTIFIER. SEAL ALL CONDUITS. USE GALVANIZED STEEL CONDUIT. CABINET TO BE HOT DIPPED GALVANIZED STEEL.
6. INSTALL NEW SHALLOW ANODE BED AS SHOWN.
7. MAKE NEW NEGATIVE CONNECTION TO PIPE NORTHEAST OF RECTIFIER. INSTALL ONE (1) #1 HMWPE NEGATIVE CABLE. CONNECT TO PIPES USING EXOTHERMIC WELDS.