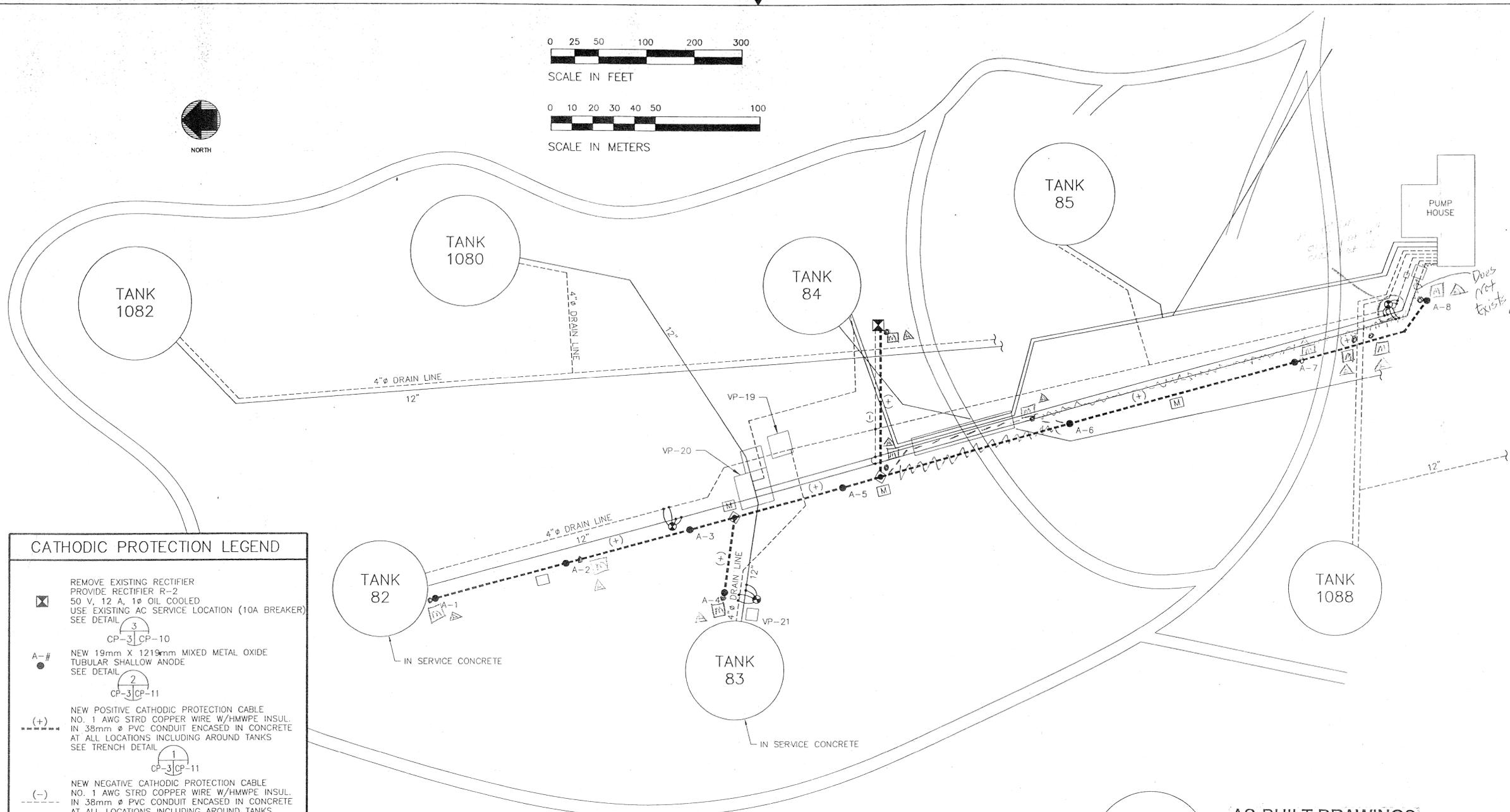


SCALE IN FEET



SCALE IN METERS



CATHODIC PROTECTION LEGEND

-  REMOVE EXISTING RECTIFIER
 PROVIDE RECTIFIER R-2
 50 V, 12 A, 1 ϕ OIL COOLED
 USE EXISTING AC SERVICE LOCATION (10A BREAKER)
 SEE DETAIL
-  A-#
 NEW 19mm X 1219mm MIXED METAL OXIDE
 TUBULAR SHALLOW ANODE
 SEE DETAIL
-  (+)
 NEW POSITIVE CATHODIC PROTECTION CABLE
 NO. 1 AWG STRD COPPER WIRE W/HMWPE INSUL.
 IN 38mm ϕ PVC CONDUIT ENCASED IN CONCRETE
 AT ALL LOCATIONS INCLUDING AROUND TANKS
 SEE TRENCH DETAIL
-  (-)
 NEW NEGATIVE CATHODIC PROTECTION CABLE
 NO. 1 AWG STRD COPPER WIRE W/HMWPE INSUL.
 IN 38mm ϕ PVC CONDUIT ENCASED IN CONCRETE
 AT ALL LOCATIONS INCLUDING AROUND TANKS
 SEE TRENCH DETAIL
-  NEW CATHODIC PROTECTION TEST STATION
 WELDED TO STRUCTURE USING THE
 EXOTHERMIC WELD PROCESS
 SEE DETAIL
-  NEW CATHODIC PROTECTION CABLE MARKER
 SEE DETAIL
-  EPOXY RESIN CABLE SPLICE
 SEE DETAIL
-  EXOTHERMIC WELD TO PIPE
 SEE DETAIL

RECTIFIER R-2 CATHODIC PROTECTION SYSTEM

SCALE: 1:600

NOTES:

1. TANKS NO. 82 AND 83 ARE CONCRETE AND WILL REMAIN IN SERVICE. STEEL PIPING WILL ALSO REMAIN IN SERVICE.
2. 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.
3. ALL PIPING IS WELDED CARBON STEEL WITH ORIGINAL COAL TAR EPOXY COATING.
4. INSTALL NEW TEST STATIONS ON PIPING TO MONITOR CATHODIC PROTECTION LEVELS AS SHOWN.
5. RECTIFIER R-2 IS TO BE REPLACED. REMOVE EXISTING NEGATIVE AND POSITIVE CABLES AND ABANDON BELOW GRADE. RESTORE AC POWER TO NEW RECTIFIER.
6. RUN CATHODIC PROTECTION CABLE BELOW GRADE IN CONCRETE ENCASED PVC.

NEW TANK
UNDER
CONSTRUCTION

AS-BUILT DRAWINGS

Revised by:
F. Carter - B



CP-3 SATISFACTORY TO DATE

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.

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	DR EC	CHK PJR	DFSP ROOSEVELT ROADS	PUERTO RICO	
SUPV CKM	CH ENG RBJ		DESC PROJECT FY 97, RRD 97-3		
SUBMITTED BY: <i>F. Carter</i> DATE: 4-30-97			REPAIR CATHODIC PROTECTION SYSTEMS		
FORM MEMBER (TITLE) DISTRICT MGR.			DFSP ROOSEVELT ROADS		
SW DIV NFEC RVD BR MGR			RECTIFIER R-2		
DIR PDE AZZ INDM			CATHODIC PROTECTION SYSTEM		
APPROVED			SIZE	CODE IDENT. NO.	NAVFAC DRAWING NO.
			D	80091	8129755
FOR COMMANDER NAVFAC DATE:			SCALE	AS NOTED	SPEC. 11-98-5742 SHEET 4 OF 15