



MATERIAL LIST:

- ① 4" PVC WATER LINE
- ② 4" D.I. WATER LINE
- ③ 4" D.I. 90° ELBOW, FLxFL
- ④ 4" D.I. 45° ELBOW, FLxFL
- ⑤ 4"x4"x4" D.I. TEE
- ⑥ NOT USED
- ⑦ 4" GATE VALVE, FLxFL
- ⑧ 2" PVC WATER LINE
- ⑨ 1" PVC WATER LINE
- ⑩ 1/2" PVC WATER LINE (WALL MOUNTED)
- ⑪ 1/2" PVC BALL VALVE
- ⑫ 1/2" PVC CHLORINE FEED LINE
- ⑬ 1/2" PVC CHLORINE FEED LINE (WALL MOUNTED)
- ⑭ 1/2" VENTED PVC BALL VALVE
- ⑮ 3/8" O.D. CLEAR PVC TUBING (PER METERING PUMP SUPPLIER)
- ⑯ 1/2" O.D. NATURAL POLYETHYLENE TUBING (PER METERING PUMP SUPPLIER)
- ⑰ 3/8" O.D. CLEAR PVC TUBING WITH 36" DRUM WAND (PER PACKAGE DILUTION SYSTEM SUPPLIER)
- ⑱ CHLORINE INJECTOR (SERVICE SADDLE WITH 1/2" NPT CORPORATION STOP AND PVC INJECTION QUILL)
- ⑲ CONCRETE FOUNDATION, SEE DETAIL B, SHEET 54
- ⑳ 55 GALLON DRUM (PER SODIUM HYPOCHLORITE SUPPLIER)
- ㉑ CHEMICAL METERING PUMP (BLUE WHITE INDUSTRIES PRO SERIES FLEX-PRO MODEL A3V)
- ㉒ PACKAGE DILUTION SYSTEM (FORCEFLOW MERLIN MD5-5D)
- ㉓ 55 GALLON OVERFLOW TANK (CHEM-TAINER OR APPROVED EQUAL)
- ㉔ EXHAUST FAN W/SHUTTER - 140 CFM (PER SHELTER SUPPLIER)
- ㉕ FIBERGLASS EXHAUST FAN CANOPY W/SCREEN (PER SHELTER SUPPLIER)
- ㉖ 12"x12" PVC VENT W/FRP GRAVITY SHUTTER AND INSECT SCREEN (PER SHELTER SUPPLIER)
- ㉗ VAPOR TIGHT LAMP WITH GLOBE AND GUARD (PER SHELTER SUPPLIER)
- ㉘ 24"x18" GALVANIZED STEEL SHELF (100 LB HOLDING CAPACITY)
- ㉙ CONCRETE EQUIPMENT PAD, SEE DETAIL E, SHEET 54
- ㉚ 4" CHECK VALVE WITH INTEGRAL LIMIT SWITCH

NOTE:
1. UNLESS NOTED OTHERWISE BY THE PROJECT GEOTECHNICAL REPORT, ALL REQUIRED BACKFILL SHALL BE COMPACTED TO AT LEAST 95% OF THE MAXIMUM DENSITY OBTAINED BY THE ASTM DESIGNATION D-1557 (LATEST EDITION) METHOD OF COMPACTION.



NOLTE
BEYOND ENGINEERING

REVISIONS

NO.	WORK DONE	DATE:	BY:	APP'D:	NO.	WORK DONE	DATE:	BY:	APP'D:	NO.	WORK DONE	DATE:	BY:	APP'D:	NO.

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SUNCREST SUBSTATION
WATER AND WELL SYSTEM DETAILS

DRAWN BY: APS	DATE: 3/24/10	SCALE: 1"=30'	W.O.:	REV: 0
CHECKED BY: RWM	DATE: -			
APPROVED BY: CR	DATE: -	SHEET 50 OF 66		
CAD NO.: GP50	PLOT SCALE: 1=1			

SCR-C-050