

MATCH LINE SEE SHEET 14

MATCH STA 24+16  
FOR CONTINUATION SEE  
ACCESS ROAD IMPROVEMENT  
PLANS SHEET 5

SCALE 1"=20'

**WATER DATA TABLE**

SYMBOL	DELTA/BEARING	RADIUS	LENGTH	REMARKS
W8	62°58'55"	192.00'	211.05'	10" PVC DR 18 C900
W9	42°59'35"	208.00'	156.08'	10" PVC DR 18 C900
W10	N70°0'40"E	...	243.04'	10" PVC DR 18 C900
W11	28°13'55"	608.00'	299.59'	10" PVC DR 18 C900
W12	N81°45'25"W	...	29.67'	10" PVC DR 18 C900
W13	N8°14'35"E	...	92.65'	10" PVC DR 18 C900
W29	38°13'32"	115'	76.72'	4" PVC DR 18 C900
W30	N74°58'27"W	...	169.34'	4" PVC DR 18 C900
W31	20°07'56"	230'	80.82'	4" PVC DR 18 C900
W32	N54°50'31"W	...	35.39'	4" PVC DR 18 C900

**WATER NOTES:**

1. ALL WATER PIPELINES SHALL HAVE 3" MINIMUM COVER.
2. INSTALL JOINT RESTRAINT SYSTEM AS REQUIRED AT ALL VALVES, BENDS, TEES AND FITTINGS TO MEET PRESSURE TEST REQUIREMENTS (SEE SPECIFICATION SECTION 700).
3. INSTALL BLOWOFFS PER SDWAS DWG WB-01 AT ALL LOW POINTS IN WATER PIPELINES.
4. INSTALL AIR RELEASE VALVES PER SDWAS DWGS WA-02 AND WA-03 AT ALL HIGH POINTS IN WATER PIPELINES.
5. INSTALL PROPOSED 4" WATER LINE A MINIMUM OF 12" BELOW PROPOSED STORM DRAIN CULVERT.

**NOTE**

1. SEE SHEET 25 FOR MAIN ACCESS ROAD CL PROFILE DESIGN.

**x POINT DATA TABLE**

POINT #	NORTHING	EASTING	REMARKS
829	1875416.7172	6429984.8246	TOE SLOPE
835	1875400.6656	6429924.3363	TOE SLOPE
836	1875406.6336	6429824.5120	TOE SLOPE
837	1875400.8890	6429724.6771	TOE SLOPE
838	1875374.0192	6429628.3547	TOE SLOPE
839	1875341.5632	6429533.7682	TOE SLOPE
843	1875452.1670	6429685.8916	TOE SLOPE
846	1875480.3115	6429879.8038	TOE SLOPE
847	1875488.7674	6429797.5493	TOE SLOPE
848	1875487.1718	6429780.0804	TOE SLOPE
849	1875468.5324	6429681.8329	TOE SLOPE
850	1875441.1119	6429585.6658	TOE SLOPE
851	1875408.4686	6429491.1437	TOE SLOPE

**STORMDRAIN DATA TABLE**

SYMBOL	DELTA/BEARING	RADIUS	LENGTH	REMARKS
SD1	N62°47'12"E	...	49.61'	12" HDPE
SD2	N78°15'52"W	...	18.11'	18" HDPE
SD3	23°49'22"	494.00'	205.40'	18" HDPE
SD4	05°46'09"	494.00'	49.74'	18" HDPE
SD5	N71°47'44"E	...	71.77'	18" HDPE
SD6	09°40'50"	396.00'	66.91'	18" HDPE
SD23	N01°24'29"E	...	49.00'	18" HDPE

NOTE: ALL STORM DRAIN LENGTHS ARE MEASURED ALONG PIPE CENTERLINE FROM INSIDE FACE TO INSIDE FACE ON CONCRETE STRUCTURE OR TO TERMINATION POINT AT CONCRETE HEADWALL. TABLE LENGTHS REPRESENT TOTAL PIPE LENGTH WHERE PIPES ARE SHOWN ON TWO PLAN SHEETS.

**CENTERLINE DATA TABLE**

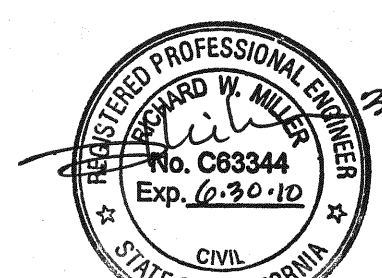
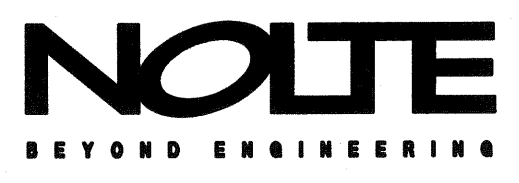
SYMBOL	DELTA/BEARING	RADIUS	LENGTH
CL4	N70°00'40"W	...	243.04'
CL5	28°13'55"	600.00'	295.64'
CL6	N81°45'25"W	...	283.03'
CL7	16°23'20"	200.00'	57.21'
CL8	25°13'26"	200.00'	81.07'
CL9	N88°35'31"W	...	53.69'

**x CENTER POINT STORM DRAIN BOX DATA TABLE**

POINT #	NORTHING	EASTING	REMARKS
917	1875533.9820	6429897.5379	CP SD BOX
919	1875345.0594	6430340.8845	CP SD BOX

**REVISIONS**

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



GRAPHIC SCALE  
0' 10' 20' 30' 45' 60' 90' 120'  
SCALE: 1"=30'

SAN DIEGO GAS & ELECTRIC COMPANY  
SAN DIEGO, CALIFORNIA

SUNCREST SUBSTATION  
GRADING PLAN

DRAWN BY: MJ DATE: 3/24/10 SCALE: 1"=30' W.O.: - REV.: 0  
CHECKED BY: RWM DATE: - SHEET 15 OF 66  
APPROVED BY: CR DATE: - PLOT SCALE: 1=1  
CAD NO.: GP15

SCR-C-015