

MATCH LINE SEE SHEET 13

MATCH LINE SEE SHEET 15

MATCH LINE SEE SHEET 12

WATER DATA TABLE

SYMBOL	DELTA/BEARING	RADIUS	LENGTH	REMARKS
W7	N90°00'00"W	...	64.73'	10" PVC DR 18 C900
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
W24	N90°00'00"W	...	270.00'	8" PVC DR 18 C900
W27	N90°00'00"W	...	52.05'	6" PVC DR 18 C900

CENTERLINE DATA TABLE

SYMBOL	DELTA/BEARING	RADIUS	LENGTH
CL1	N90°00'00"W	...	32.73'
CL2	62°58'55"	200.00'	219.85'
CL3	42°59'35"	200.00'	150.08'
CL4	N70°00'40"E	...	243.04'

* POINT DATA TABLE

POINT #	NORTHING	EASTING	REMARKS
502	1875160.9051	6429080.6798	CORNER
503	1875110.9051	6429080.6798	ROAD EP
504	1875060.9051	6429035.6798	RADIAL
538	1875086.9051	6428482.6798	RADIAL
541	1875086.9051	6428602.6798	RADIAL
542	1875086.9051	6428860.6798	RADIAL

* POINT DATA TABLE

POINT #	NORTHING	EASTING	REMARKS
868	1875102.7333	6429191.4374	TOE SLOPE
871	1875228.0242	6429195.0539	TOE SLOPE
873	1875080.5522	6429110.6798	TOE SLOPE
874	1875190.9051	6429233.5887	TOE SLOPE
876	1875218.4397	6429090.9953	TOE SLOPE
878	1875210.0283	6428991.2508	TOE SLOPE
880	1875204.4246	6428891.4899	TOE SLOPE
881	1875190.9051	6428791.4517	TOE SLOPE
882	1875199.1647	6428790.9763	TOE SLOPE
884	1875190.9051	6428763.408	TOE SLOPE

STORMDRAIN DATA TABLE

SYMBOL	DELTA/BEARING	RADIUS	LENGTH	REMARKS
SD7	09°34'33"	524.00'	87.58'	18" HDPE
SD8	05°42'22"	524.00'	52.19'	18" HDPE
SD9	12°18'42"	316.00'	67.90'	18" HDPE
SD10	15°39'35"	254.00'	69.42'	18" HDPE
SD11	N62°31'04"E	...	70.90'	18" HDPE
SD12	21°53'34"	261.00'	99.73'	18" HDPE
SD13	N84°24'38"E	...	48.92'	18" HDPE
SD14	08°31'37"	255.00'	37.95'	18" HDPE
SD15	N75°53'01"E	...	2.37'	18" HDPE
SD16	N72°42'27"E	...	40.62'	24" HDPE
SD17	12°00'49"	400.00'	83.87'	24" HDPE
SD18	13°20'58"	400.00'	93.20'	24" HDPE
SD19	10°39'40"	400.00'	74.43'	24" HDPE
SD20	1°24'06"	400.00'	9.79'	24" HDPE
SD21	N00°00'00"E	...	70.47'	24" HDPE
SD24	3°29'48"	400.00'	24.41'	24" HDPE
SD25	5°40'46"	400.00'	39.65'	24" HDPE
SD26	N86°11'25"E	...	81.63'	24" HDPE

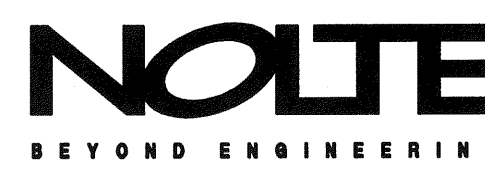
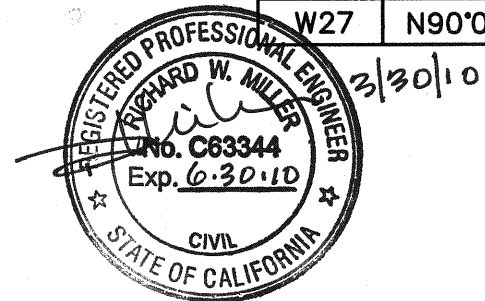
STORMDRAIN DATA TABLE

SYMBOL	DELTA/BEARING	RADIUS	LENGTH	REMARKS
SD27	4°34'06"	400.00'	31.89'	24" HDPE
SD28	N89°14'30"W	...	35.04'	24" HDPE
SD32	N90°00'00"E	...	103.20'	24" HDPE
SD35	N73°33'08"E	...	66.35'	24" HDPE
SD36	N13°32'27"W	...	46.80'	24" HDPE
SD37	N90°00'00"E	...	66.35'	24" HDPE
SD38	N26°33'16"W	...	98.83'	24" HDPE
SD39	N46°05'36"W	...	70.15'	SPILLWAY
SD40	N90°00'00"E	...	132.00'	24" HDPE
SD42	N90°00'00"E	...	284.62'	24" HDPE
SD43	N90°00'00"E	...	149.73'	36" HDPE
SD44	N00°00'00"E	...	13.52'	SPILLWAY
SD45	N90°00'00"E	...	294.49'	24" HDPE
SD46	N90°00'00"E	...	246.77'	36" HDPE
SD47	N00°00'00"E	...	193.49'	18" HDPE
SD48	N90°00'00"E	...	205.00'	36" HDPE
SD129	N00°00'00"E	...	27.08'	12" 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.

WATER NOTES:

- ALL WATER PIPELINES SHALL HAVE 3' MINIMUM COVER.
- INSTALL JOINT RESTRAINT SYSTEM AS REQUIRED AT ALL VALVES, BENDS, TEES AND FITTINGS TO MEET PRESSURE TEST REQUIREMENTS (SEE SPECIFICATION SECTION 700)
- INSTALL BLOWOFFS PER SDWAS DWG WB-01 AT ALL LOW POINTS IN WATER PIPELINES.
- INSTALL AIR RELEASE VALVES PER SDWAS DWGS WA-02 AND WA-03 AT ALL HIGH POINTS IN WATER PIPELINES.



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
GRADING PLAN

DRAWN BY: MJ	DATE: 3/24/10	SCALE: 1"=30'	W.O.:	REV: 0
CHECKED BY: RWM	DATE: -	SHEET 14 OF 66	SCR-C-014	
APPROVED BY: CR	DATE: -	PLOT SCALE: 1"=1'		
CAD NO.: GP14				

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