

MATCH LINE SEE SHEET 13

MATCH LINE SEE SHEET 9

MATCH LINE SEE SHEET 12

STORMDRAIN DATA TABLE

SYMBOL	DELTA/BEARING	RADIUS	LENGTH	REMARKS
SD31	N31°12'08"W	...	25.54'	18" RCP
SD60	N90°00'00"W	...	154.18'	36" HDPE
SD61	N00°00'00"W	...	219.00'	42" HDPE
SD62	N00°00'00"W	...	260.79'	18" HDPE
SD63	N00°00'00"W	...	38.19'	18" HDPE
SD64	N90°00'00"E	...	104.83'	42" HDPE
SD65	N01°33'03"E	...	237.84'	36" HDPE
SD66	N25°00'00"W	...	159.21'	36" HDPE
SD67	N90°00'00"W	...	9.00'	42" HDPE
SD68	N90°00'00"E	...	22.81'	42" RCP
SD69	N01°33'03"E	...	41.04'	36" HDPE
SD70	N25°00'00"W	...	151.45'	36" HDPE
SD71	N90°00'00"E	...	37.50'	18" HDPE
SD72	N46°00'00"E	...	19.04'	42" RCP
SD73	N67°00'00"W	...	11.77'	48" RCP
SD89	N90°00'00"W	...	38.00'	18" RCP

NOTE 1: 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.

ROAD A CENTERLINE DATA TABLE

SYMBOL	DELTA/BEARING	RADIUS	LENGTH	REMARKS
A1	N18°48'57"W	...	29.03'	...
A2	S9°32'38"	19.00'	13.11'	...
A3	N20°43'41"E	...	30.88'	...
A4	S26°46'08"	29.00'	13.55'	...
A5	S42°40'03"	51.00'	37.98'	...
A6	N7°00'00"E	...	258.31'	...
A7	S1°00'00"	181.00'	192.70'	...

CENTER POINT STORM DRAIN BOX DATA TABLE

POINT #	NORTHING	EASTING	REMARKS
889	1874976.4007	6427936.5660	CP SD BOX
893	1874743.9051	6428172.6798	CP SD BOX
912	1874743.9051	6428042.3497	CP SD BOX
913	1874545.0688	6428002.1185	CP SD BOX
914	1874786.7952	6428008.2805	CP SD BOX
915	1874789.9765	6428001.2802	CP SD BOX
916	1874932.4159	6427937.1950	CP SD BOX
922	1874940.4166	6427947.1308	CP SD BOX

SLOPE POINT DATA TABLE

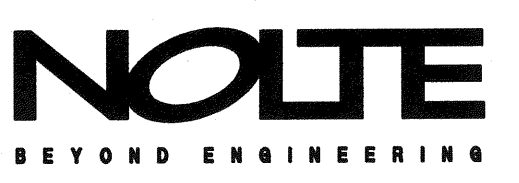
POINT #	NORTHING	EASTING	REMARKS
533	1874643.9051	6428247.6794	RADIAL
536	1874803.9051	6428207.6798	RADIAL
551	1874961.4465	6427921.0763	CL D-41
552	1874938.4970	6427925.0089	CL D-41
756	1874557.2011	6427926.8496	TOE SLOPE
757	1874631.9854	6427945.7956	TOE SLOPE
758	1874685.7661	6427967.5486	TOE SLOPE
759	1874758.7390	6427996.8826	TOE SLOPE
760	1874758.7390	6428017.9169	TOE SLOPE
761	1874649.4964	6428013.3089	TOE SLOPE
762	1874539.1607	6428008.9713	TOE SLOPE
763	1874524.3370	6427992.7702	TOE SLOPE
764	1874501.6453	6427991.4172	TOP SLOPE
765	1874540.8818	6427911.7902	TOP SLOPE
766	1874569.6238	6427897.1001	TOP SLOPE
767	1874640.2700	6427925.9557	TOP SLOPE
768	1874693.8002	6427948.3087	TOP SLOPE
769	1874766.3685	6427978.6115	TOP SLOPE
770	1874758.2041	6428037.6735	TOP SLOPE
771	1874648.9159	6428034.7510	TOP SLOPE
772	1874538.5436	6428031.7629	TOP SLOPE
773	1874757.3617	6428068.7887	TOP SLOPE
774	1874647.6036	6428082.0932	TOP SLOPE
775	1874537.3927	6428073.2828	TOP SLOPE
776	1874756.4172	6428103.6798	TOP SLOPE
777	1874647.0052	6428103.6798	TOP SLOPE
778	1874536.5501	6428103.6798	TOP SLOPE
813	1874884.9113	6427969.5442	TOP SLOPE
814	1874934.7821	6427991.9635	TOP SLOPE
815	1874984.0375	6427988.5743	TOP SLOPE
816	1874820.4757	6428049.0867	TOP SLOPE
817	1874929.8888	6428021.5129	TOP SLOPE
818	1874993.3028	6428018.3672	TOP SLOPE
819	1874820.4757	6428103.6798	TOP SLOPE
820	1874929.8888	6428103.6798	TOP SLOPE
821	1874993.3028	6428103.6798	TOP SLOPE

WATER DATA TABLE

SYMBOL	DELTA/BEARING	RADIUS	LENGTH	REMARKS
W16	N00°00'00"W	...	404.29'	8" PVC DR 18 C900
W20	N45°00'00"E	...	100.00'	8" PVC DR 18 C900
W21	N90°00'00"E	...	794.00'	8" PVC DR 18 C900

- 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



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

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

DRAWN BY: MJ DATE: 3/24/10 SCALE: 1"=30' W.D.: - REV.: 0
 CHECKED BY: RWM DATE: -
 APPROVED BY: CR DATE: - SHEET 11 OF 66
 CAD NO: GP11 PLOT SCALE: 1=1
 SCR-C-011

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