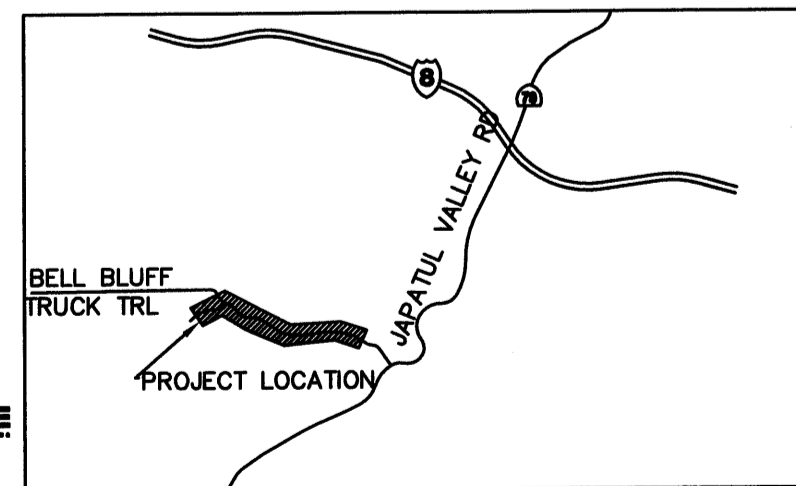


KEY MAP
SCALE 1"=200'



VICINITY MAP
NO SCALE

DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE SAN DIEGO GAS & ELECTRIC COMPANY IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS DESIGNER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

Paul Cervantes 3-30-10
PAUL J. CERVANTES NO. 67542 DATE
EXPIRES: 06-30-11



SOURCE OF TOPOGRAPHY

SOURCE OF TOPOGRAPHY IS: FINLEY ENGINEERING CO., INC., DBA G. E. RALEIGH AND ASSOCIATES, 1800 NW 169TH PLACE SUITE B250, BEAVERTON, OR 97006. AERIAL PHOTOGRAMMETRY BY: DAVID C. SMITH AND ASSOCIATES, INC., 1734 S.E. TACOMA STREET, PORTLAND, OREGON 97202. AERIAL PHOTOGRAPHY DATED AUGUST, 2007, JULY, 2008, AND SEPT, 2008.

BENCHMARK/BASIS OF BEARING

THE BASIS OF COORDINATES OF THIS SURVEY IS THE CALIFORNIA SYSTEM, ZONE 6, NAD83 (1992). THE COORDINATES ARE DISPLAYED IN U.S. SURVEY FEET, AS DETERMINED LOCALLY BY THE LINE BETWEEN GPS 32 AND CA 1102, I.E. NORTH 41°29'59" WEST. THE BENCHMARK USED IS SAN DIEGO COUNTY BENCHMARK WHICH IS A 3 INCH BRASS DISK MARKED "USGS H133" SET IN A GRANITE ROAD LEDGE NORTHERLY OF BELL BLUFF TRUCK TRAIL, AND WESTERLY OF JAPATUL VALLEY ROAD. THE ELEVATION OF THE BENCHMARK IS 3152.01 FEET (NAVD 88 DATUM).

WORK TO BE DONE

THE IMPROVEMENTS CONSIST OF THE WORK TO BE DONE ACCORDING TO THESE PLANS, SDG&E SPECIFICATIONS, STANDARD SPECIFICATIONS AND THE SAN DIEGO REGIONAL STANDARD DRAWINGS, STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, AND WATER AGENCY STANDARDS.

STANDARD SPECIFICATIONS

- STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (2006 EDITION) INCLUDING THE 2006 REGIONAL AND 2006 CITY OF SAN DIEGO SUPPLEMENTAL AMENDMENTS DOC. AEC1231062, FILED DECEMBER 31, 2006.
- STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS, DOCUMENT NO. AEC0925062, FILED SEPTEMBER 25, 2006.
- WATER AGENCIES STANDARDS SPECIFICATION, SEPTEMBER 28, 2009.

STANDARD DRAWINGS

- SAN DIEGO REGIONAL STANDARD DRAWINGS, DOCUMENT NO. AEC1231062, FILED DECEMBER 31, 2006.
- WATER AGENCIES STANDARDS DRAWINGS, FEBRUARY 1, 2008.

EARTHWORK QUANTITIES

CUT 28,300 CY
FILL 8,500 CY

NOTE:

EARTHWORK VOLUMES SHOWN HEREON ARE APPROXIMATE. ACTUAL VOLUMES ARE DEPENDENT UPON ACTUAL PERCENT OF BULKING, ACCURACY OF CONTOURS ETC. ALSO, THESE QUANTITIES HAVE NOT BEEN ADJUSTED BY THE AMOUNT OF REMOVAL AND RECOMPACTION SURCHARGE AND SIDE SLOPE BENCH. THIS AMOUNT SHALL BE QUANTIFIED IN THE FIELD DURING GRADING OPERATIONS.

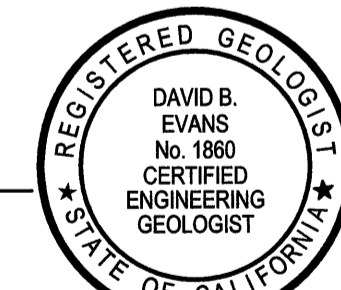
ABBREVIATIONS

APPROX. APPROXIMATE	MSE	MECHANICALLY STABILIZED EARTH
BC BEGIN CURVE	MH MANHOLE	ON CENTER
BVC BEGIN VERTICAL CURVE	O.C. OUTSIDE DIAMETER	
CB CATCH BASIN	OH OVERHEAD	
CONC. CONCRETE	PL PROPERTY LINE	
C.P. CONCRETE PIPE	PVC POLY-VINYL-CHLORIDE	
C.L. CENTER LINE	PVT PRIVATE	
CML CEMENT MORTAR LINING	PRC POINT OF REVERSING CURVE	
DIA DIAMETER	PC PORTLAND CEMENT CONCRETE OR POINT OF COMPOUND CURVE	
DW DRIVEWAY	PCR POINT OF CURB RETURN	
E END CURVE	RC RELATIVE COMPACTION	
EVC END VERTICAL CURVE	RSD SAN DIEGO REGIONAL STANDARD DRAWINGS	
EP EDGE OF PAVEMENT	R/W RIGHT-OF-WAY	
EX EXISTING	RT RIGHT	
IE. INVERT ELEVATION	RCB REINFORCED CONCRETE BOX	
ID INTERNAL DIAMETER	SCH SCHEDULE	
FF FINISHED FLOOR	SD STORM DRAIN	
FS FINISHED SURFACE	SF SQUARE FEET	
FG FINISHED GRADE	STA STATION	
F.H. FIRE HYDRANT	T TELECOMMUNICATION	
FL FLOW LINE	TP TOP OF PIPE	
GB GRADE BREAK	RIM TOP OF RIM	
HDPE HIGH DENSITY POLYETHYLENE	TRANS TRANSITION	
H.P. HIGH PRESSURE, HIGH POINT	TB TOP OF BERM	
LAT LATERAL	TF TOP OF FOOTING	
LF LINEAR FEET	TW TOP OF WALL	
LT LEFT	TYP TYPICAL	
MAX. MAXIMUM	VAR VARIES	
MIN. MINIMUM	W/ WITH	
MOD. MODIFIED		

GRADING SPECIFICATIONS

- ALL GRADING SHALL BE DONE UNDER THE OBSERVATION OF A QUALIFIED GEOTECHNICAL ENGINEER AND ENGINEERING GEOLOGIST AND IN ACCORDANCE WITH THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT ENTITLED "GEOTECHNICAL INVESTIGATION REPORT, SUNCREST SUBSTATION SDG&E 500KV SUNRISE POWERLINK PROJECT", LOCATED IN THE COUNTY OF SAN DIEGO, CALIFORNIA, DATED DECEMBER 21, 2009, PREPARED BY URS CORPORATION (PROJECT # 27669017.00002), AND UPDATE REPORT AND CHANGE OF GEOTECHNICAL ENGINEER OF RECORD, PREPARED BY GEOCON INC. (PROJECT # G1164.32.01) DATED [REDACTED]. ALL FILL MATERIAL SHALL BE ACCORDING TO THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT AND SUBMITTED TO THE SDG&E PROJECT ENGINEER PRIOR TO THE ACCEPTANCE OF WORK.
- AT THE COMPLETION OF THE GRADING OPERATIONS, AN AS-GRADED SOILS AND GEOLOGICAL REPORT SHALL BE PREPARED AND DELIVERED TO THE SDG&E PROJECT ENGINEER.
- THESE GRADING PLANS HAVE BEEN REVIEWED BY THE UNDERSIGNED AND FOUND TO BE IN CONFORMANCE WITH THE RECOMMENDATIONS OUTLINED IN THE REFERENCED GEOTECHNICAL REPORTS PREPARED FOR THIS PROJECT.

David B. Evans 3-30-10
C.E.G. NO. 1860 DATE



Paul J. Cervantes 3/30/10
C.E. NO. 2401 DATE
EXPIRES: 9-30-10



LEGEND

SYMBOL	LEGEND	STD.
	EXISTING CONTOUR	
	CUT SLOPE	
	FILL SLOPE	
	LIMIT OF GRADING	
	PROP CENTERLINE	
	EXIST CENTERLINE	
	PROP EDGE OF PAVEMENT	
	PROP EDGE OF ROAD	
	EXIST EDGE OF PAVEMENT	
	PROPERTY LINE	
	SECTION LINE	
	QUARTER SECTION LINE	
	TYPE B DRAINAGE DITCH	RSD D-75
	18" HDPE STORM DRAIN	RSD D-60
	24" HDPE STORM DRAIN	RSD D-60
	30" HDPE STORM DRAIN	RSD D-60
	36" HDPE STORM DRAIN	RSD D-60
	42" HDPE STORM DRAIN	RSD D-60
	TYPE F CATCH BASIN	RSD D-7
	RIP RAP DISSIPATER	MOD. RSD
	ROCK CLASS, THICKNESS, L AND W PER PLAN (TYPE 2 UNLESS SHOWN OTHERWISE)	D-40 SDD-100
	BIO SWALE	(C 04)
	WING HEADWALL PER PROFILE	RSD D-34 RSD D-35
	STRAIGHT HEADWALL	RSD D-32
	L TYPE HEADWALL	RSD D-36
	6" A.C. BERM TYPE A	RSD G-5
	36" SPILLWAY W/ RIP RAP	(C 04)
	2" OVERLAY OVER EXISTING PAVEMENT	SHEET 2
	3" AC PAVING/8" BASE (NEW PAVEMENT STRUCTURAL SECTION)	SHEET 2
	OVERLAY EXISTING PAVEMENT	
	GRIND EXISTING PAVEMENT	
	6" DECOMPOSED GRANITE	
	EXISTING PAVEMENT TO BE REMOVED	
	MSE RETAINING WALL	RSD C-6
	MASONRY RETAINING WALL TYPE 6	
	EX. CHAIN LINK FENCE	
	4" PVC-DR14 C-900 WATER PIPELINE	WP-02
	TELECOMMUNICATION LINE	
	12 KV ELECTRICAL TRANSMISSION	
	SDG&E GATE (PER SEPARATE PLAN)	(D 04)
	SPOT ELEVATION	
	EXISTING ELEVATION	
	DETAIL LETTER OR NUMBER	
	SHEET NUMBER	
	BLOWOFF ASSEMBLY	WAS WB-1
	AUTOMATIC COMBINATION AIR RELEASE AND AIR/VACUUM VALVE	WAS WA-2 WAS WA-3
	GATE VALVE	WAS WV-1
	GUARDRAIL	RSD M-30
	PROTECTION POST	WAS WM-4
	GRAVEL BAGS	(E 41)
	CONSTRUCTION ENTRANCE/RUMBLE STRIPS	(A 41)
	SILT FENCE (OR EQUIVALENT)	(D 41)
	SURVEY MONUMENT	

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SUNCREST SUBSTATION ACCESS ROAD
COVER SHEET & LEGEND

DRAWN BY: DHT	DATE: 3/24/10	SCALE: 1"=20'	W.O.: -	REV.: 0
CHECKED BY: PJC	DATE: -			
APPROVED BY: CR	DATE: -	SHEET 1 OF 55		
CAD NO.: IPPVT01	PLOT SCALE: 1=1			

SCR-C-201

REVISIONS

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

N:\SBO039600\CADD\USGS\CIVIL\VP-PVT\IPPVT01