

UNITS

HORIZONTAL COORDINATES AND ELEVATIONS
AS SHOWN HEREON ARE IN TERMS OF THE
U.S. SURVEY FOOT (I.E. ONE = 1200/39.37 METERS),
UNLESS OTHERWISE NOTED.

UNINCORPORATED
COUNTY OF
SAN DIEGO

PURPOSE OF SURVEY

THE PURPOSE OF THIS SURVEY IS TO ESTABLISH A LOCAL NETWORK OF
CALIFORNIA GEODETIC COORDINATES AND CALIFORNIA ORTHOMETRIC HEIGHTS
FOR THE CITY OF SAN MARCOS IN ACCORDANCE WITH THE CALIFORNIA
RESOURCES CODE SECTIONS 8801-8819, 8870-8880 AND 8890-8902.

SURVEY CONTROL MONUMENT (TYP.)



NOTE: THIS PROJECT WAS STARTED
BY KEVIN McHUGH JR., AND HIS TAG
WAS STAMPED ON THE MONUMENTS. I,
NICHOLAS A. ROSSI HAVE TAKEN
RESPONSIBLE CHARGE OF THIS
SURVEY SINCE HIS DEPARTURE.

RECORD OF SURVEY

OF A GEODETIC CONTROL NETWORK, IN THE CITY OF SAN MARCOS, IN THE COUNTY OF
SAN DIEGO, STATE OF CALIFORNIA.

SURVEYOR'S STATEMENT

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN
CONFORMANCE WITH THE REQUIREMENTS OF THE PROFESSIONAL LAND SURVEYOR'S ACT,
AT THE REQUEST OF THE CITY OF SAN MARCOS IN MAY 4, 2020.

N.A. Rossi
NICHOLAS A. ROSSI, LS 9149
10-5-2020
DATE



SURVEYOR'S STATEMENT

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH SECTION 8766 OF THE
PROFESSIONAL LAND SURVEYOR'S ACT THIS 5TH DAY OF OCTOBER, 2020.
NOVEMBER

R. L. Mathe
RAYMOND L. MATHE
COUNTY SURVEYOR
PLS 6185



LEGEND

- 1 INDICATES SHEET NUMBER.
- INDICATES CITY OF SAN MARCOS BOUNDARY
- ++++ INDICATES NORTH COUNTY TRANSIT DISTRICT (NCTD) RAIL
- INDICATES POINTS OF INTEREST
- ★ INDICATES CONTINUOUS GLOBAL POSITIONING SYSTEM (CGPS) STATION AS NOTED; HELD FOR CCS83 / CGC83 CONSTRAINTS FOR THIS SURVEY.
- ☆ INDICATES CONTINUOUS GLOBAL POSITIONING SYSTEM (CGPS) STATION AS NOTED; DERIVED CCS83 / CGC83 REFERENCED DURING THIS SURVEY.
- INDICATES FOUND VERTICAL CONTROL MONUMENT AS NOTED; HELD FOR COH88 CONSTRAINTS.
- △ INDICATES SET MONUMENT AS NOTED.
- ▲ INDICATES SET MONUMENT AS NOTED & LEVELED.

- R.O.S. INDICATES RECORD OF SURVEY MAP
- P.M. INDICATES PARCEL MAP
- CF INDICATES COMBINATION FACTOR
- CCS83 CALIFORNIA COORDINATE SYSTEM OF 1983
- CGC83 CALIFORNIA GEODETIC COORDINATES OF 1983
- CGPS CONTINUOUS GLOBAL POSITIONING SYSTEMS
- COH88 CALIFORNIA ORTHOMETRIC HEIGHTS OF 1988
- CSM CITY OF SAN MARCOS
- CSRC CALIFORNIA SPATIAL REFERENCE CENTER
- DN. DOWN
- M METERS
- NAVD88 NORTH AMERICAN VERTICAL DATUM OF 1988
- NGS NATIONAL GEODETIC SURVEY
- NGVD29 NATIONAL GEODETIC VERTICAL DATUM OF 1929
- NSRS NATIONAL SPATIAL REFERENCE SYSTEM
- OPUS NGS ONLINE POSITIONING USER SERVICE
- USFT UNITED STATES SURVEY FOOT
- VERTCON NGS NORTH AMERICAN VERTICAL DATUM CONVERSION TOOL

RECORDER'S STATEMENT

FILE NO. 2020-7000375

FILED THIS 5TH DAY OF NOVEMBER, 2020 AT 3:32 O'CLOCK
P.M. IN BOOK OF RECORD OF SURVEY MAPS AT PAGE _____,
AT THE REQUEST OF THE NICHOLAS A. ROSSI.

ERNEST J. DRONENBURG, JR.
COUNTY RECORDER
FEE: \$ 107.00

BY: *Nicholas A. Rossi*
DEPUTY COUNTY RECORDER

GRAPHIC SCALE
0' 3000' 6000' 9000' 12000'
SCALE: 1" = 3000'

METHODOLOGY

CALIFORNIA GEODETIC COORDINATE OF 1983 CONSTRAINTS

THIS SURVEY WAS CONSTRAINED TO THE STATIONS DSME, VTOR, AND CLBD AND CONSTITUTE THE BASIS OF CALIFORNIA GEODETIC COORDINATE CONTROL, WITH CHECKS TO P478 AND RAAP.

DSME, CLBD, RAAP, P478, VTOR ARE CONTINUOUS STATIONS AS A PART OF THE SOPAC CSRC CGPS NETWORK AND PUBLISHED VALUES ARE EPOCH 2017.50. GPS DERIVED ELEVATIONS WERE COMPUTED USING GEOD12B.

STATIC GPS OBSERVATIONS WERE PERFORMED BETWEEN OCTOBER 31, 2018 AND MAY 2, 2019. A MINIMUM OF FOUR STATIONS WERE OBSERVED SIMULTANEOUSLY FOR 30 MINUTE SESSIONS. ALL STATIONS WERE OBSERVED AT LEAST TWICE SEPARATED BY AT LEAST 3 HOURS FOR REDUNDANT SATELLITE GEOMETRY. BASELINE PROCESSING WAS COMPLETED USING TRIMBLE BUSINESS CENTER SOFTWARE VERSION 5.10. PARAMETERS WERE SET TO UTILIZE 1-SECOND EPOCH DATA COLLECTED OVER 15 DEGREES ABOVE THE HORIZON.

INDEPENDENT BASELINE PROCESSING WAS PERFORMED USING OPUS FOR SEVERAL OBSERVATIONS AND CONVERTED TO EPOCH 2017.50 UTILIZING NGS HTDP WITH DERIVED COORDINATES AND ORTHOMETRIC HEIGHTS ACHIEVABLE WITH 0.05 FEET (15 MM).

ADDITIONAL INDEPENDENT VERIFICATION WAS PERFORMED USING AN AUTONOMOUS BASE LOCATION USING SINGLE BASELINE RTK OBSERVATIONS FOR ALL SET AND FOUND POINTS FOR THIS SURVEY. HORIZONTAL AND VERTICAL CHECKS WERE 0.02 FEET (6 MM), AND 0.06 FEET (18 MM), RESPECTIVELY.

HIGH PRECISION DIFFERENTIAL LEVEL LOOPS WERE RUN THOUGH OVER HALF OF THE CONTROL POINTS. THE METHODS USED ADHERE TO CALTRANS SECOND ORDER SPECIFICATIONS DATED 2006.

OBSERVATION EQUIPMENT

TRIMBLE GPS AND GNSS R10 MODEL RECEIVERS AND 2-METER FIXED HEIGHT TRIPODS.

TRIMBLE Dini 2 DIGITAL LEVEL AND BARCODE ROD.

ACCURACY STATEMENT

HORIZONTAL COORDINATES AS SHOWN HEREON MEET THE REQUIREMENTS FOR CALIFORNIA GEODETIC COORDINATES OF 1983 (CGC83) AND THE CALIFORNIA COORDINATE SYSTEM OF 1983 (CCS83), SECTIONS 8870-8880 AND 8801-8819 OF THE CALIFORNIA PUBLIC RESOURCES CODE RESPECTIVELY. INCLUDING A LOCAL ACCURACY CLASSIFICATION OF 0.03 FEET (1 CM) 95% CIRCULAR ERROR PROBABLE ACCORDING TO THE FEDERAL GEOGRAPHIC DATA COMMITTEE "GEOSPACIAL POSITIONING ACCURACY STANDARD, PART 2, GEODETIC CONTROL NETWORKS". FGDC-STD-007.2-1998.

ELEVATIONS AS SHOWN HEREON MEET THE REQUIREMENTS FOR CALIFORNIA GEODETIC COORDINATES OF 1983 (CGC83) IN ACCORDANCE WITH CHAPTER 5 OF THE CALIFORNIA PUBLIC RESOURCES CODE SECTIONS 8890-8902. INCLUDING A LOCAL ACCURACY CLASSIFICATION OF 0.07 FEET (2CM) 95% ERROR PROBABLE RELATIVE TO THE LOCAL NAD83 DATUM ACCORDING TO THE FEDERAL GEOGRAPHIC DATA COMMITTEE "GEOSPACIAL POSITIONING ACCURACY STANDARD, PART 2, GEODETIC CONTROLS NETWORKS". FGOC-STD-007.2 - 1998.

BASIS OF COORDINATES

THE BASIS OF COORDINATES FOR THIS SURVEY IS THE CALIFORNIA COORDINATES OF 1983 (CCS83), ZONE VI, (EPOCH 2017.50) AS DETERMINED LOCALLY BY THE FOLLOWING CALIFORNIA SPATIAL REFERENCE NETWORK OR EQUIVALENT CONTINUOUS GLOBAL POSITIONING SYSTEMS (CGPS) CONTROL STATIONS.

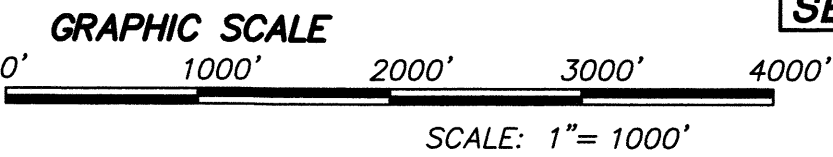
BASIS OF COORDINATES						
POINT NO.	STATION NAME	LATITUDE	LONGITUDE	ELLIP HT (USFT)	PUBLISHED ACCURACY (95%)	SOURCE
1001	CLBD	N33°08'07.38182"	W117°18'39.46940"	69.99	0.01 (3mm)	CSRC
1002	DSME	N33°02'11.31350"	W117°14'58.28754"	186.55	0.01 (3mm)	CSRC
1003	P478	N33°14'08.56716"	W117°04'17.68478"	1221.47	0.01 (3mm)	CSRC
1004	RAAP	N33°02'32.04202"	W116°55'02.05349"	1298.42	0.01 (3mm)	CSRC
1005	VTOR	N33°13'30.04659"	W117°11'35.42461"	1248.86	0.01 (3mm)	CSRC

BASIS OF ELEVATIONS

THE BASIS OF ELEVATIONS FOR THIS SURVEY IS THE CALIFORNIA ORTHOMETRIC HEIGHTS OF 1988 (COH88) AND ARE IN TERMS OF THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) BASED LOCALLY UPON THE FOLLOWING VERTICAL CONTROL STATIONS:

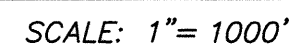
BASIS OF ELEVATIONS				
POINT NO.	STATION NAME	ORTHO HT (USFT)	PUBLISHED ACCURACY (95%)	SOURCE
102	78-10.62	(587.65)**	0.02 (6mm)	CALTRANS SURVEY REQUEST SR12-197
103	78-11.7	547.41	0.01 (3mm)	CALTRANS SURVEY REQUEST SR12-197
104	78-13.0R	585.53	0.01 (3mm)	CALTRANS SURVEY REQUEST SR12-197
105	78-13.5L	595.90	0.02 (6mm)	CALTRANS SURVEY REQUEST SR12-197
106	78-14.25	647.52	0.02 (6mm)	CALTRANS SURVEY REQUEST SR12-197

** SEE SHEET 9



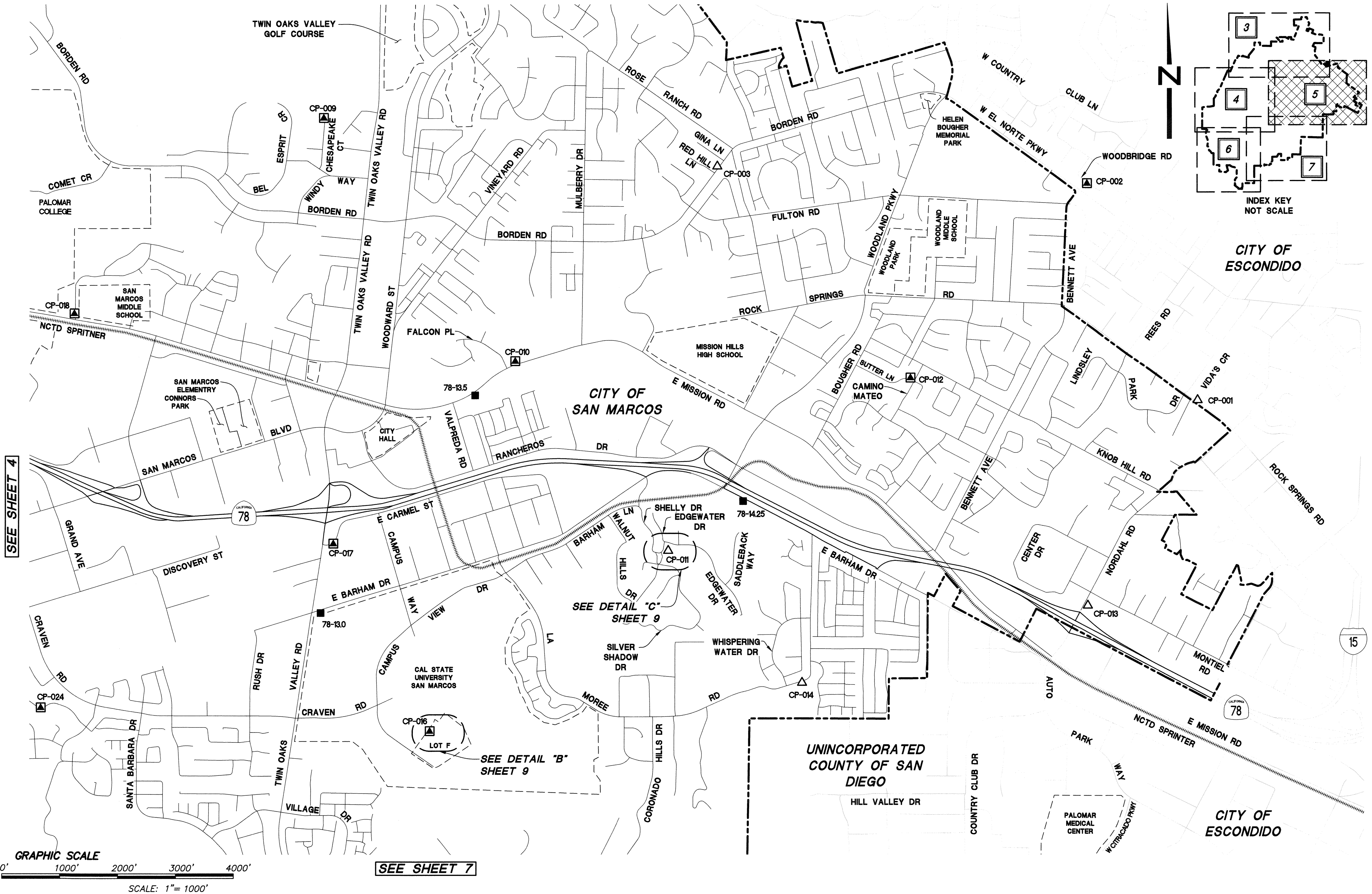


SEE SHEET 5



SEE SHEET 7

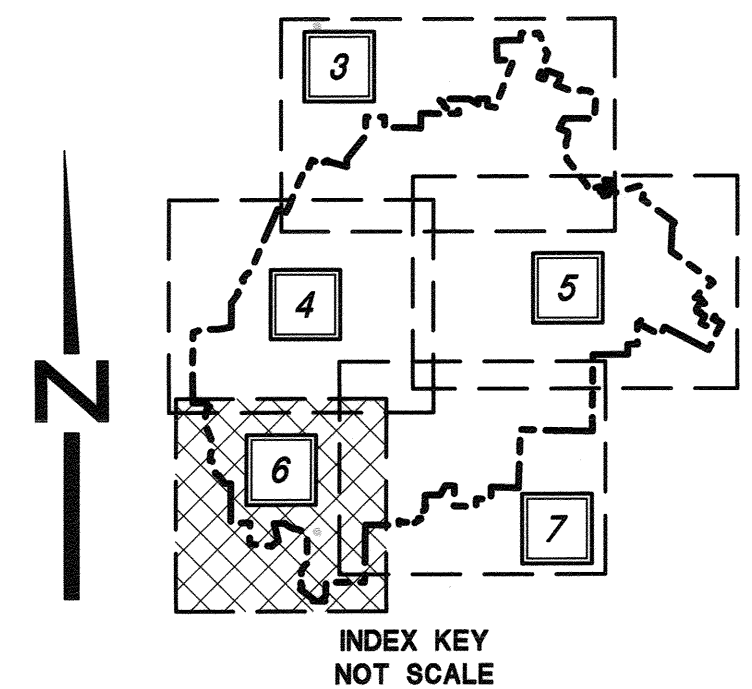
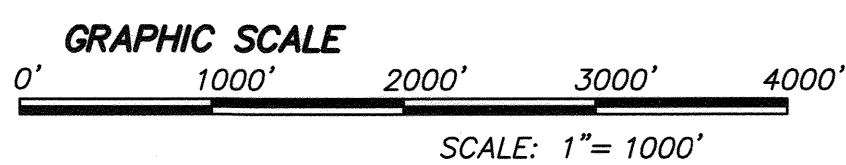
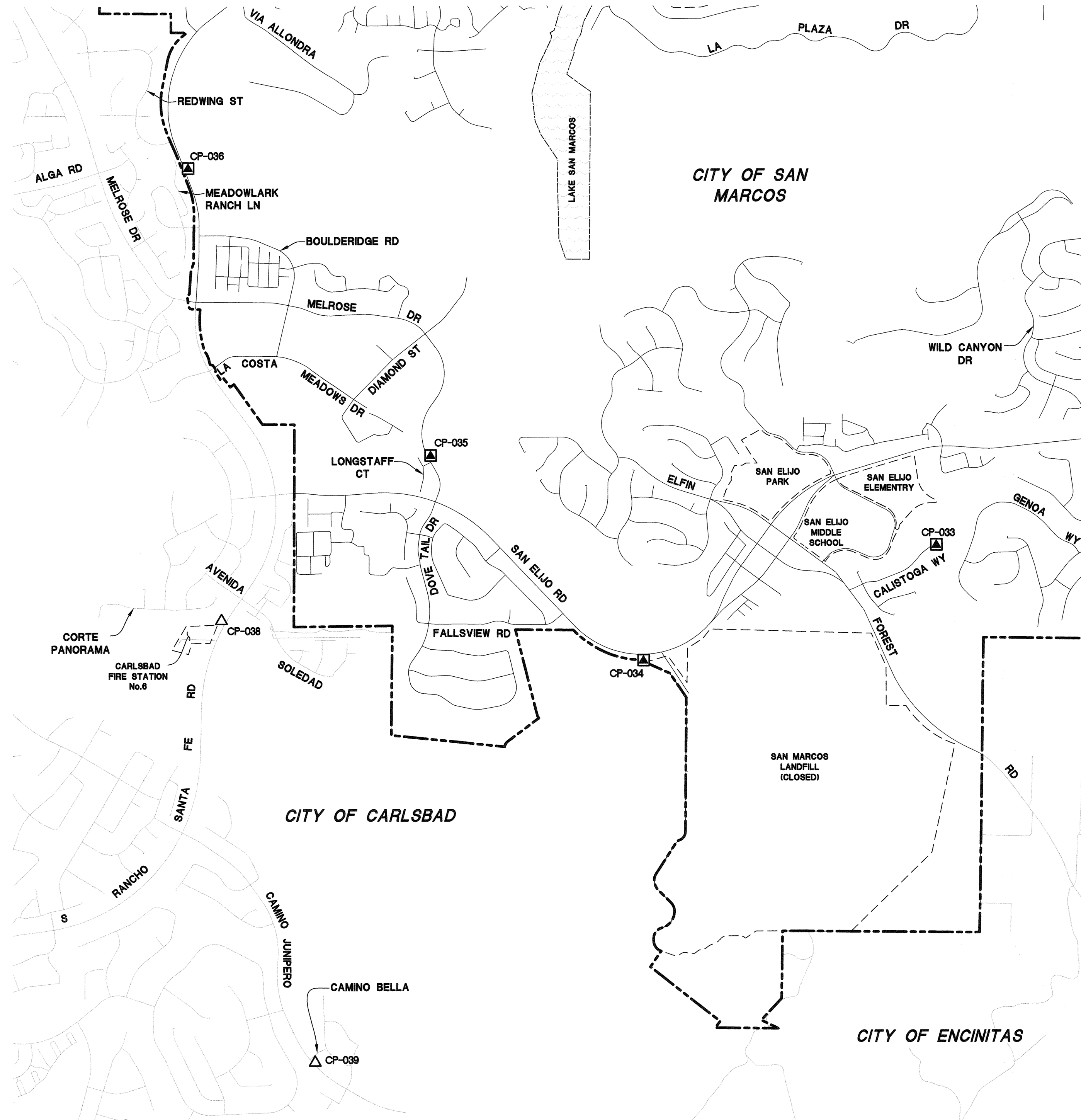
SEE SHEET 1



NV5

SEE SHEET 4

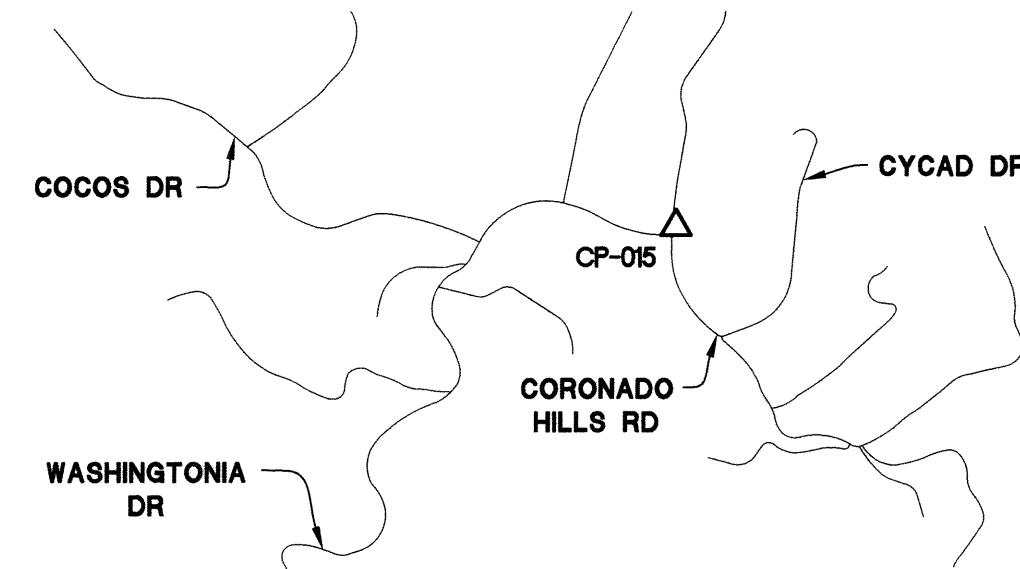
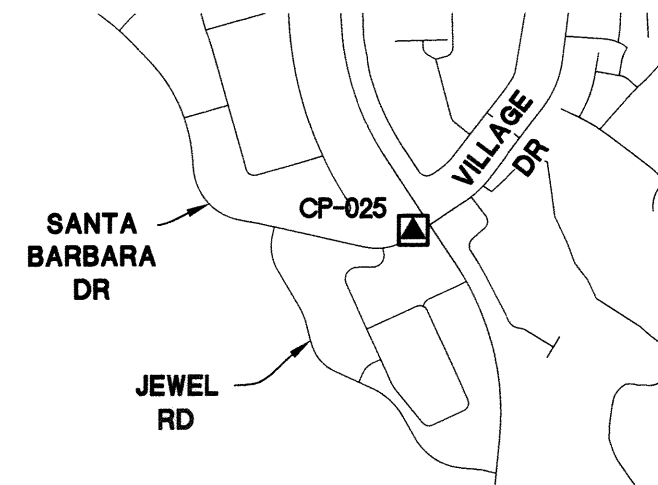
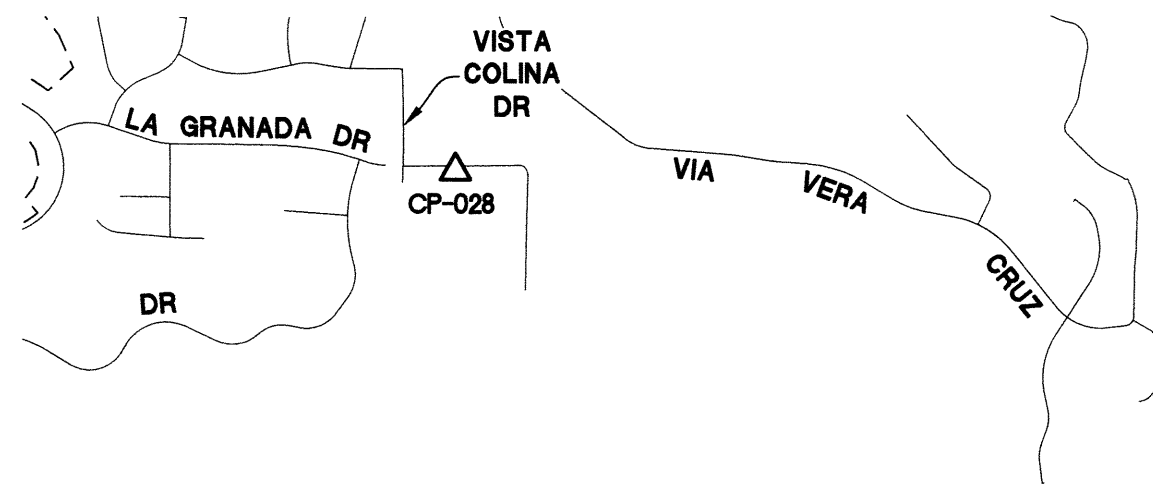
SEE SHEET 7



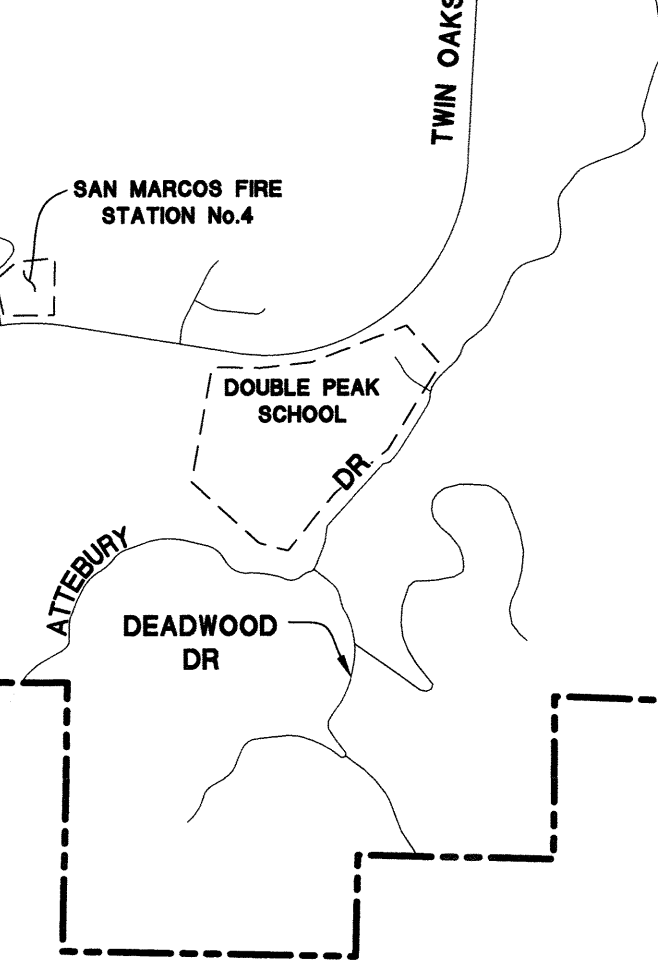
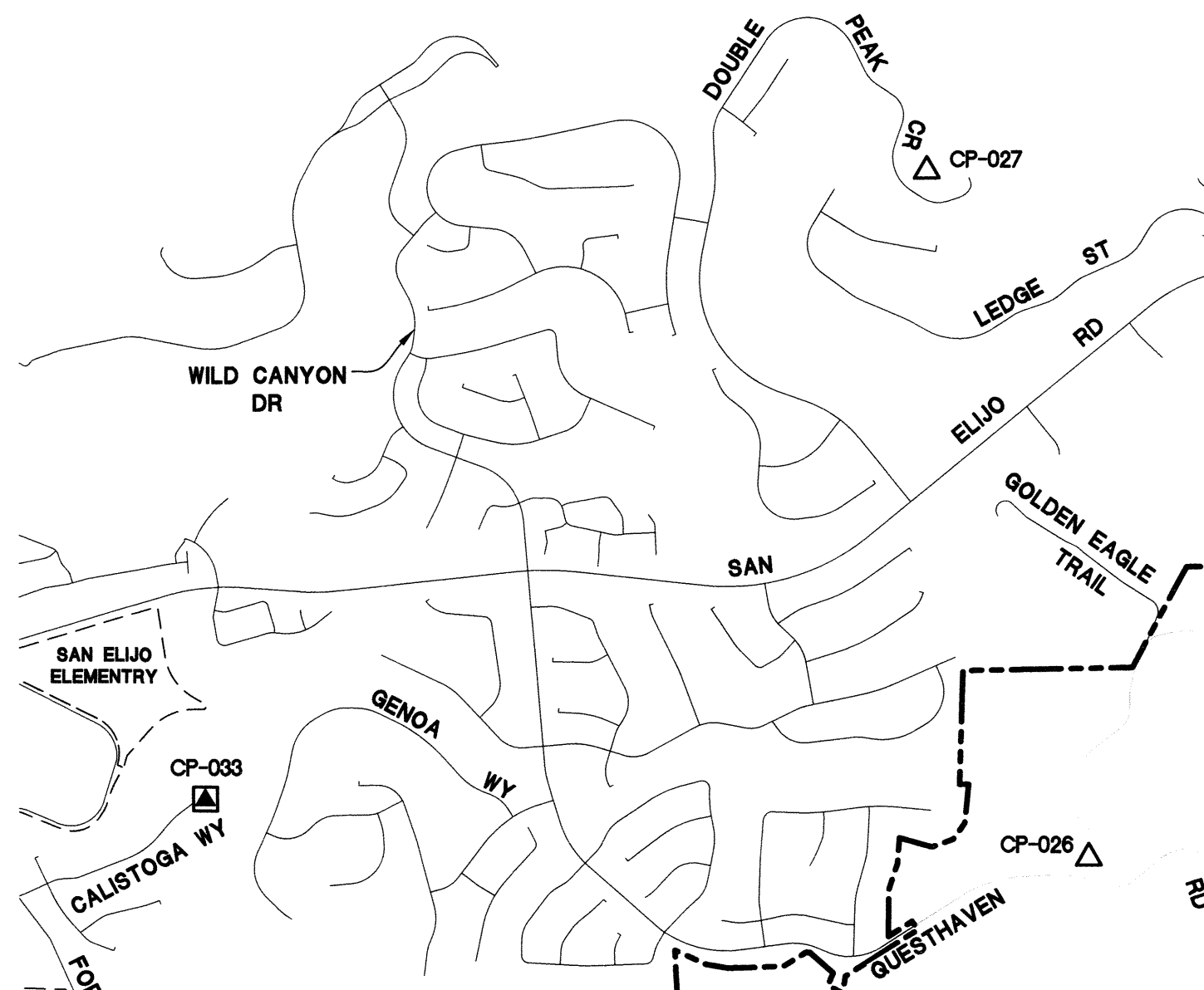
SEE SHEET 4

SEE SHEET 5

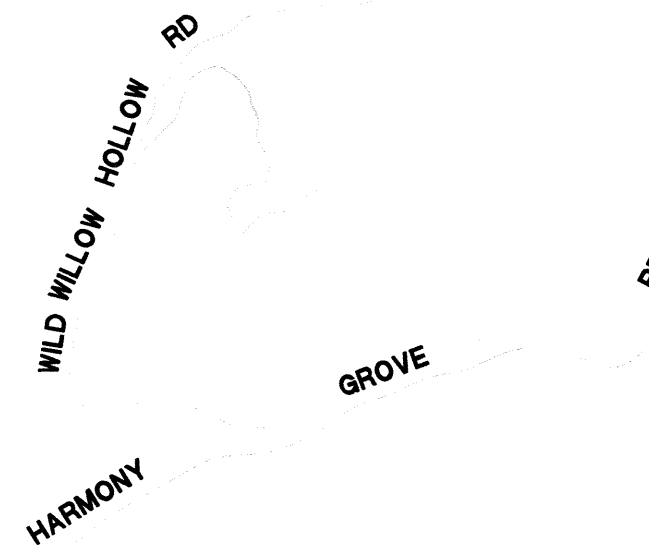
SEE SHEET 6



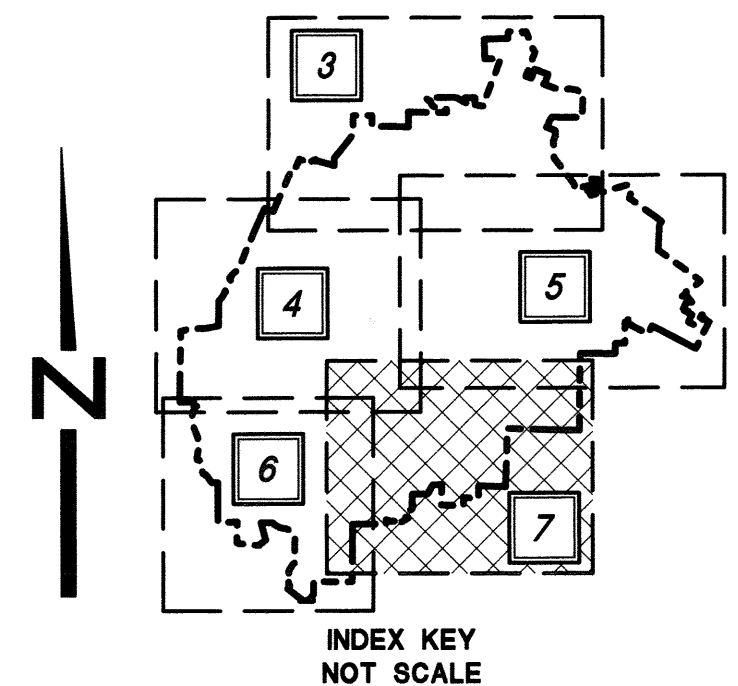
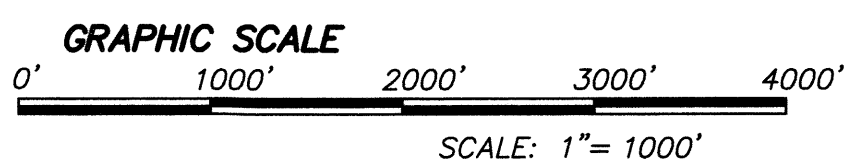
CITY OF SAN MARCOS



UNINCORPORATED
COUNTY OF SAN
DIEGO



SAN MARCOS
LANDFILL
(CLOSED)



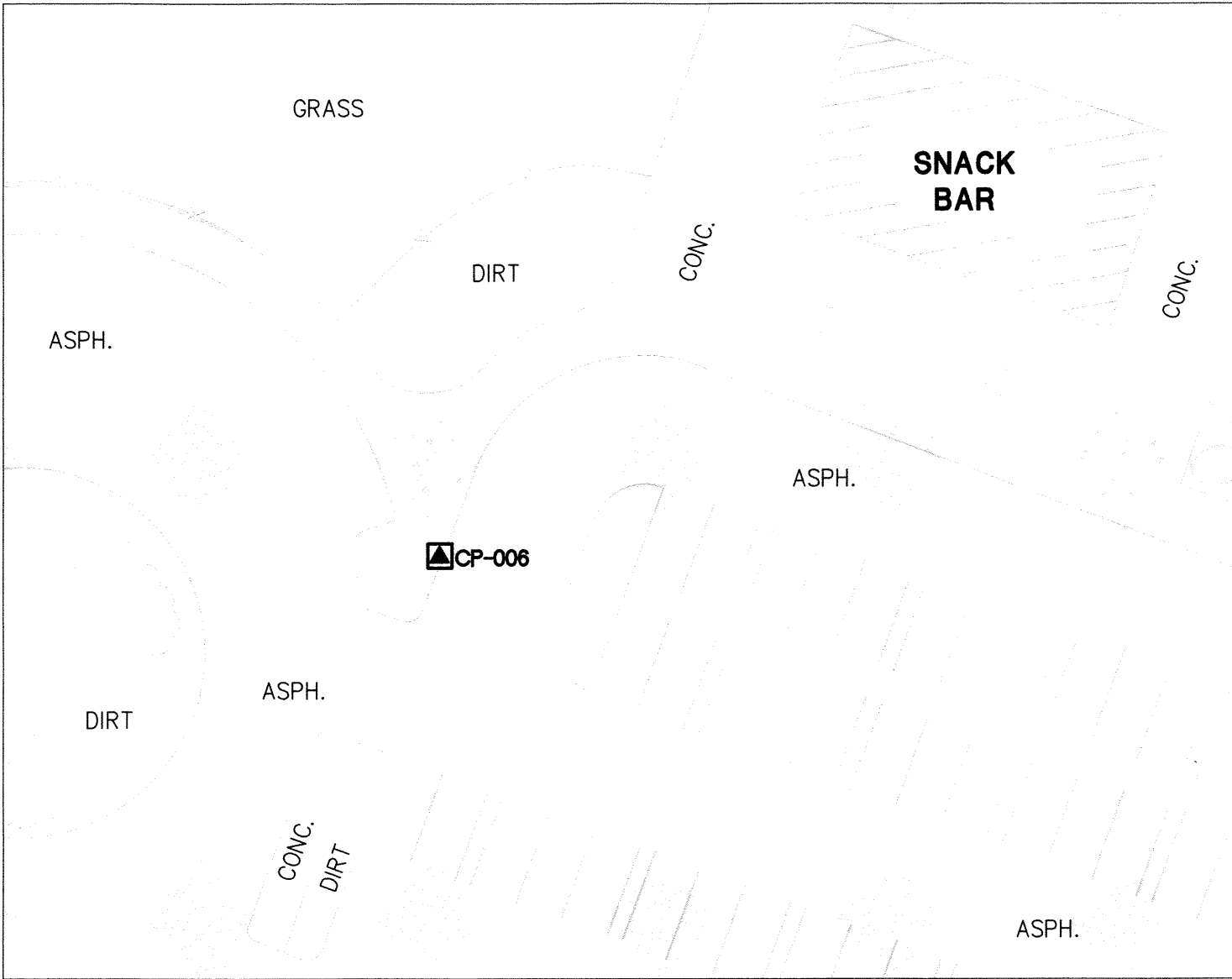
NV5

POINT NO.	STATION NAME	CGC 83 COORDINATES (2017.50)			CCS 83 COORDINATES (2017.50)		COH88 DERIVED	COH88 PUBLISHED	COMBINATION FACTOR	DESCRIPTION	ORIGIN	SOURCE
		LATITUDE	LONGITUDE	ELLIP HT (USFT)	NORTHING (USFT)	EASTING (USFT)	ELEVATION (USFT)	ELEVATION (USFT)				
1	CP-001	N33°08'33.72952"	W117°06'52.57634"	597.56	1996646.62	6297016.36	707.23	-	0.99995968	NE'LY SIDE OF ROCK SPRINGS RD. 50' NORTH OF INTERSECTION OF ROCK SPRINGS RD. @ VIDA'S CR.	SET	
2	CP-002	N33°09'10.37737"	W117°07'15.46452"	601.41	2000366.69	6295101.26	711.08	-	0.99995911	SE'LY CORNER, ECR OF WOODBRIDGE RD. @ BENNETT AVE.	SET	
3	CP-003	N33°09'12.80044"	W117°08'30.53719"	585.24	2000665.53	6288721.11	695.26	-	0.99995907	NW'LY SIDE OF BORDEN RD. 140' ± SOUTH OF GINA LN.	SET	
4	CP-004	N33°09'57.91014"	W117°09'09.59591"	623.99	2005253.19	6285440.06	734.04	-	0.99995841	SE'LY BACK OF SIDEWALK BETWEEN 761 & 763 PEBBLE BEACH DR.	SET	
5	CP-005	N33°10'34.41651"	W117°08'22.19251"	674.28	2008908.15	6289500.89	783.94	-	0.99995791	E'LY SIDE OF INTERSECTION OF OLIVE ST. @ LOW CHAPARRAL DR. SE CORNER OF CONC. PAD OUTFALL.	SET	
6	CP-006	N33°11'03.82953"	W117°09'11.57461"	604.22	2011916.91	6285329.58	714.03	-	0.99995753	WALNUT GROVE PARK, SEE DETAIL "A"	SET	
7	CP-007	N33°10'24.57515"	W117°09'34.39241"	567.88	2007966.45	6283355.84	677.98	-	0.99995804	BACK OF WALK OF NE CORNER OF INTERSECTION OF LA CIENEGA RD. @ NORTH TWIN VALLEY OAKS RD.	SET	
8	CP-008	N33°09'54.19837"	W117°10'38.87250"	721.04	2004944.66	6277848.11	831.53	-	0.99995846	BACK OF WALK ON CATCH BASIN 1322 AT 821 VIA BARQUERO.	SET	
9	CP-009	N33°09'20.41043"	W117°09'50.56348"	565.27	2001493.57	6281924.54	675.65	-	0.99995896	TOP OF CURB NW SIDE OF CHESAPEAKE CT. CUL-DE-SAC 8' SE OF FIRE HYDRANT NORTH OF CATCH BASIN 1017, 129 CHESAPEAKE CT.	SET	
10	CP-010	N33°08'39.25931"	W117°09'11.23615"	491.00	1997305.43	6285231.79	601.36	-	0.99995959	TOP OF CURB CATCH BASIN 0825 IN FRONT OF 456 E. MISSION RD. 180' EAST OF FALCON PL.	SET	
11	CP-011	N33°08'07.30248"	W117°08'39.76881"	565.56	1994052.61	6287879.51	675.82	-	0.99996011	SIDEWALK AT ENTRANCE OF ALDER GLEN TOT LOT, SEE DETAIL "C"	SET	
12	CP-012	N33°08'37.00242"	W117°07'50.94393"	592.66	1997018.94	6292056.50	702.63	-	0.99995963	N'LY BACK OF WALK IN FRONT OF 1260 SUTTER LN. 60' WEST OF THE NW ECR OF INTERSECTION CAMINO MATEO @ SUTTER LN.	SET	
13	CP-013	N33°07'58.59244"	W117°07'14.43491"	604.31	1993110.90	6295128.20	714.20	-	0.99996026	E'LY SIDE OF NORDAHL RD. 138 ± NE OF WESTBOUND OFF RAMP HWY 78.	SET	
14	CP-014	N33°07'45.02042"	W117°08'12.34365"	650.70	1991780.72	6290192.35	760.91	-	0.99996049	NW CORNER CATCH BASIN NE CORNER OF KINGDOM HALL 1111 LA MOREE RD.	SET	
15	CP-015	N33°07'08.08082"	W117°08'47.91295"	1107.82	1988073.24	6287135.54	1218.25	-	0.99996114	NW CORNER OF CATCH BASIN 0376 INTERSECTION OF WASHINGTONIA DR. @ CORONADO HILLS DR.	SET	
16	CP-016	N33°07'36.16730"	W117°09'27.90432"	617.28	1990941.26	6283759.10	727.82	-	0.99996065	CAL STATE UNIVERSITY SAN MARCOS PARKING LOT "F", SEE DETAIL "B"	SET	
17	CP-017	N33°08'07.94784"	W117°09'47.80663"	462.62	1994167.98	6282094.76	573.25	-	0.99996010	S'LY SIDEWALK 128' ± EAST OF INTERSECTION OF TWIN OAKS VALLEY RD. @ E. CARMEL ST. ACROSS FROM 76 GAS STATION.	SET	
18	CP-018	N33°08'46.75113"	W117°10'40.84519"	463.23	1998129.51	6277619.76	574.00	-	0.99995947	SW CORNER OF CATCH BASIN 0004, S'LY OF E'LY DRIVEWAY OF SAN MARCOS UNITED METHODIST CHURCH, 106' ± N'LY OF INTERSECTION OF MISSION RD. @ ABERDEEN AVE.	SET	
19	CP-019	N33°09'27.21863"	W117°11'16.10579"	498.42	2002246.23	6274658.68	609.19	-	0.99995885	NW CORNER OF CATCH BASIN 0296 92' ± EAST OF INTERSECTION OF CORTE GALANTE @ CAMINO DEL SOL.	SET	
20	CP-020	N33°10'09.32290"	W117°11'55.37879"	523.10	2006531.75	6271358.84	633.92	-	0.99995825	SW CORNER OF FIRE HYDRANT PAD AT NE CORNER OF INTERSECTION OF BELLA VISTA DR. @ MIRA SOL DR.	SET	
21	CP-021	N33°09'34.24142"	W117°12'32.52038"	329.69	2003015.08	6268169.27	440.82	-	0.99995875	113' ± NW OF THE INTERSECTION OF MIMOSA AVE. @ POINSETTIA AVE. SOUTH OF HWY 78.	SET	
22	CP-022	N33°08'54.93208"	W117°11'56.68532"	473.09	1999014.36	6271179.34	584.17	-	0.99995935	CENTER MEDIAN 150' ± SW OF THE INTERSECTION OF RANCHO SANTA FE RD. @ DESCANSO AVE.	SET	
23	CP-023	N33°08'20.46808"	W117°11'21.88977"	423.38	1995504.43	6274106.21	534.42	-	0.99995990	NE CORNER OF CATCH BASIN 0897, E'LY SIDE OF VIA VERA CRUZ, 150 ± NORTH OF INTERSECTION OF VIA VERA CRUZ @ LINDA VISTA DR.	SET	
24	CP-024	N33°07'39.60641"	W117°10'46.91662"	526.69	1991348.05	6277043.05	637.61	-	0.99996059	TOP OF CURB IN FRONT OF 640 SHENANDOAH AVE.	SET	
25	CP-025	N33°07'07.41675"	W117°09'53.80046"	660.36	1988054.81	6281531.41	770.99	-	0.99996116	NORTH SIDEWALK 50' ± WEST OF INTERSECTION OF TWIN OAKS VALLEY RD. @ SOUTH VILLAGE DR.	SET	
26	CP-026	N33°05'50.88280"	W117°10'28.79747"	776.81	1980346.09	6278486.42	887.93	-	0.99996261	5' WEST OF EDGE OF PAVEMENT ON ATTEBURY DR. 150' ± NORTH OF INTERSECTION OF ATTEBURY DR. @ QUESTHAVEN RD.	SET	
27	CP-027	N33°06'33.30584"	W117°10'41.12940"	1502.04	1984642.93	6277475.54	1613.10	-	0.99996179	TOP OF CURB NW CORNER OF DOUBLE PEAKS PARKING LOT.	SET	
28	CP-028	N33°07'10.08505"	W117°11'21.96327"	613.89	1988391.16	6274035.86	725.05	-	0.99996111	SOUTH SIDE OF VISTA COLINA TOP OF CURB, ACROSS FROM 1309 VISTA COLINA DR. DRIVEWAY.	SET	
29	CP-029	N33°07'51.14226"	W117°12'03.83819"	405.07	1992572.93	6270512.41	516.41	-	0.99996039	WEST SIDE OF DISCOVERY ST. 150' ± SE'LY OF INTERSECTION OF DISCOVERY ST @ SAN MARCOS BLVD.	SET	
30	CP-030	N33°08'40.16931"	W117°12'57.01547"	439.08	1997569.45	6266036.39	550.48	-	0.99995958	N'LY SIDEWALK OF CUL-DE-SAC OF ARBORVIEW DR. EAST OF POINSETTIA AVE.	SET	
31	CP-031	N33°07'53.44743"	W117°13'36.94849"	395.98	1992879.10	6262596.97	507.73	-	0.99996035	℄ MEDIAN OF W. SAN MARCOS BLVD. 400' ± EAST OF BUSINESS PARK DR.	SET	
32	CP-032	N33°07'12.39819"	W117°12'56.69178"	493.26	1988698.54	6265981.74	604.89	-	0.99996107	40' ± SOUTH OF SE'LY BCR OF INTERSECTION OF HERMOSITA DR @ CAMINO DEL ARROYO DR.	SET	
33	CP-033	N33°05'54.01647"	W117°11'33.94733"	602.78	1980712.43	6272947.15	714.16	-	0.99996255	NE'LY END OF CUL-DE-SAC OF CALISTOGA WAY 50' ± SOUTH OF TRAIL ENTRANCE.	SET	
34	CP-034	N33°05'38.34585"	W117°12'20.21536"	394.57	1979164.50	6268996.77	506.35	-	0.99996286	S'LY CORNER OF CATCH BASIN 1058, SOUTH SIDE OF SAN ELIJO RD @ HIDDEN CANYON RD. ENTRANCE TO CLOSED DUMP.	SET	
35	CP-035	N33°06'05.32446"	W117°12'54.28226"	267.80	1981917.80	6266123.91	379.80	-	0.99996233	TOP OF HEADWALL AT TRAIL ENTRANCE NE'LY SIDE OF MELROSE DR. 88'± NORTH OF INTERSECTION OF MELROSE DR. @ LONGSTAFF CT.	SET	
36	CP-036	N33°06'43.27810"	W117°13'33.12639"	341.81	1985784.36	6262855.60	453.83	-	0.99996160	℄ MEDIAN OF RANCHO SANTA FE RD. 300' ± SOUTH OF INTERSECTION OF REDWING ST. @ RANCHO SANTA FE.	SET	
37	CP-037	N33°07'19.64890"	W117°14'12.63832"	185.36	1989491.82	6259529.78	297.40	-	0.99996094	℄ MEDIAN OF MELROSE DR. 100' ± SE'LY OF INTERSECTION OF MELROSE DR. @ POINSETTIA LN.	SET	
38	CP-038	N33°05'43.25857"	W117°13'27.14886"	409.04	1979713.71	6263307.33	521.15	-	0.99996276	WEST SIDEWALK DRIVEWAY ENTRANCE TO TRAIL OF RANCHO SANTA FE RD. 290' ± NE'LY OF DRIVEWAY OF CARLSBAD FIRE STATION No. 6.	SET	
39	CP-039	N33°04'44.63405"	W117°13'11.71047"	337.44	1973776.56	6264565.55	449.66	-	0.99996398	15' SOUTH OF SE BCR OF INTERSECTION OF CAMINO JUNIPERO @ CAMINO BELLO.	SET	

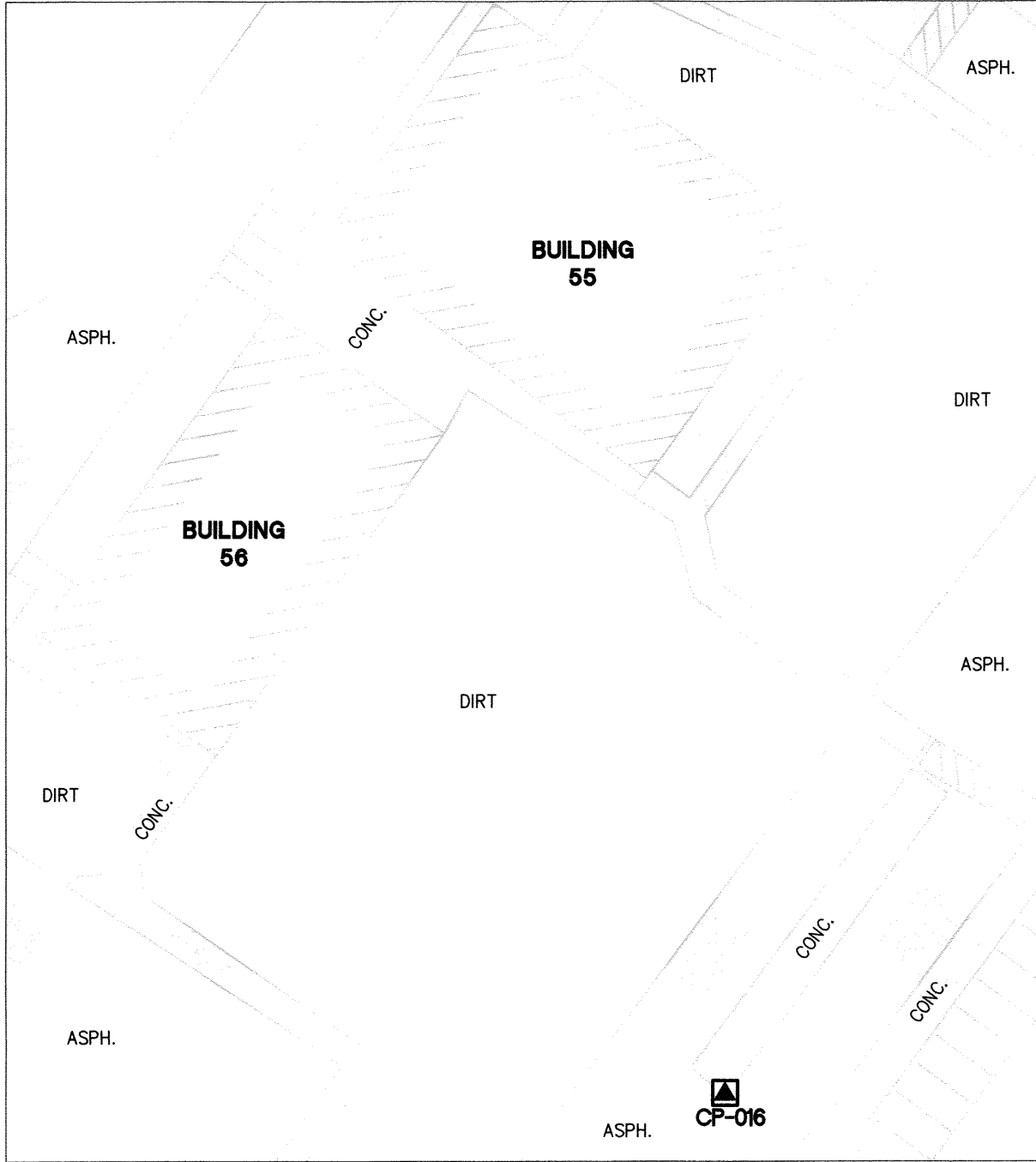
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POINT NO.	STATION NAME	CGC 83 COORDINATES (2017.50)			CCS 83 COORDINATES (2017.50)		COH88 DERIVED	COH88 PUBLISHED	COMBINATION FACTOR	DESCRIPTION	ORIGIN	SOURCE
		LATITUDE	LONGITUDE	ELLIP HT (USFT)	NORTHING (USFT)	EASTING (USFT)	ELEVATION (USFT)	ELEVATION (USFT)				
102	78-10.62	N33°08'57.90325"	W117°11'55.75289"	476.60	1999313.93	6271261.35	587.66*	587.70*	0.99995930	10' SW'LY OF DRIVEWAY OF 76 GAS STATION ON S. RANCHO SANTA FE RD.	CALTRANS	SURVEY REQUEST SD12-197
103	78-11.7	N33°08'23.95195"	W117°11'01.21163"	436.47	1995840.74	6275867.56	547.41	547.41	0.99995984	EDGE OF COMM BOX BACK OF WALK ALONG GRAND AVE. BETWEEN LINDA VISTA DR. & S. BENT AVE.	CALTRANS	SURVEY REQUEST SD12-197
104	78-13.0R	N33°07'56.12731"	W117°09'50.21994"	474.86	1992975.12	6281879.08	585.53	585.53	0.99996030	88' ± NE'LY OF ECR OF SE CORNER OF S. TWIN OAKS VALLEY RD. @ BARHAM DR.	CALTRANS	SURVEY REQUEST SD12-197
105	78-13.5L	N33°08'33.38856"	W117°09'19.28565"	485.50	1996718.03	6284542.25	595.90	595.90	0.99995969	TOP CURB SOUTH SIDE MISSION RD. 215' ± W'LY OF DRIVEWAY TO MISSION VILLAS.	CALTRANS	SURVEY REQUEST SD12-197
106	78-14.25	N33°08'15.74069"	W117°08'24.68611"	537.30	1994894.45	6289169.29	647.52	647.52	0.99995997	WEST SIDE OF E'LY DRIVEWAY OF GRACE CHURCH IN HANDICAP RAMP.	CALTRANS	SURVEY REQUEST SD12-197

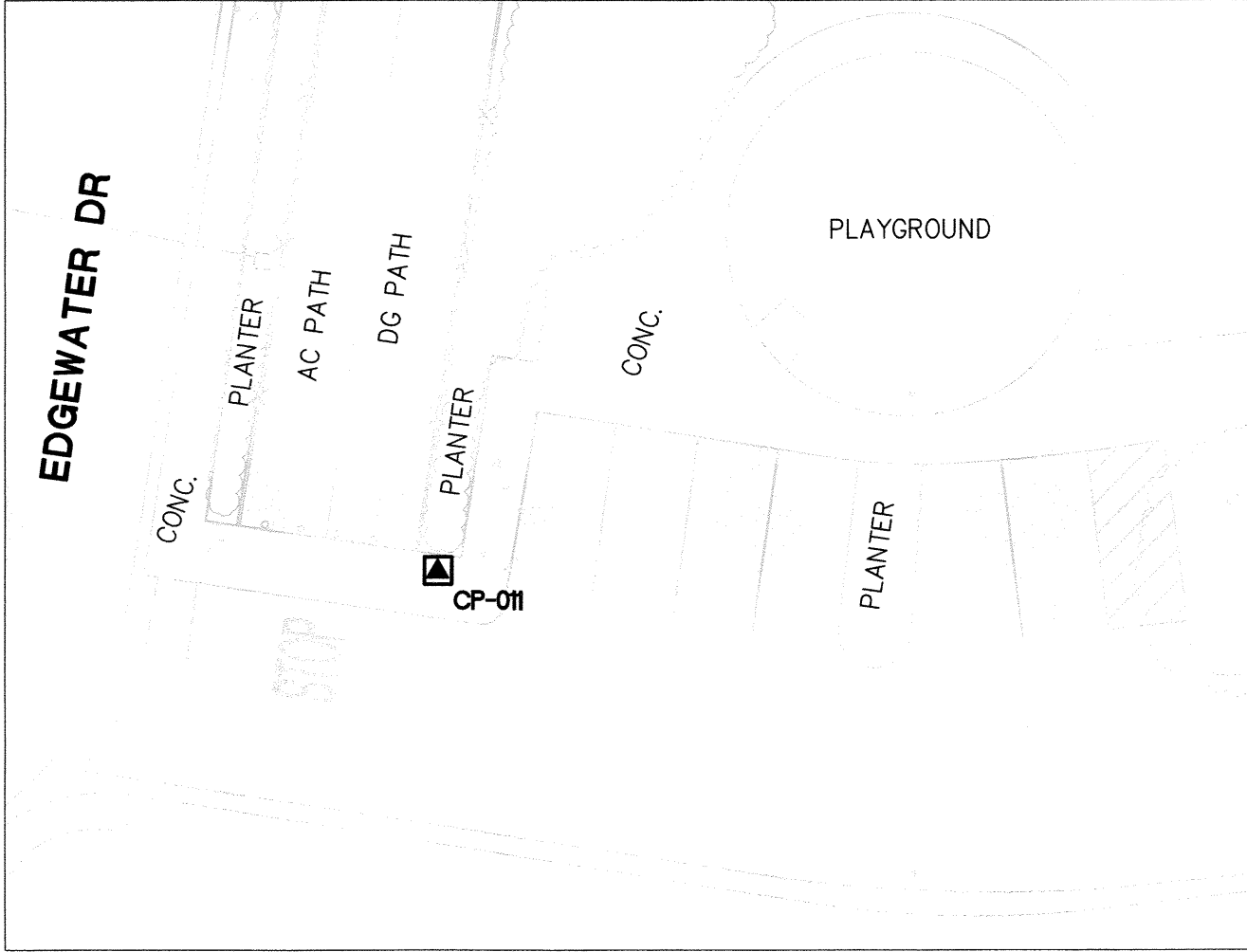
*ALL CALTRANS BENCHMARKS WERE LEVELED TO CHECK THE RELATIVE ELEVATIONS PUBLISHED. TWO INDEPENDENT LEVEL LOOPS TO #102 (78-10.62) REVEALED A DISCREPANCY OF 0.04'. THE DERIVED ELEVATION OF 587.66 WAS USED FOR THIS SURVEY.



DETAIL "A"
WALNUT GROVE PARK
SCALE 1"=30'



DETAIL "B"
CSUSM PARKING LOT F
SCALE 1"=40'



DETAIL "C"
ALDER GLEN TOT LOT
SCALE 1"=20'

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