#### **LEGEND** STATEMENT OF PURPOSE FOUND 9/16 INCH DIAMETER ALUMINUM ALLOY ROD, DRIVEN TO THE MONUMENTS SHOWN ON THIS SURVEY, FOUND AND SET, ARE REFUSAL, WITH A 2-1/2 INCH DIAMETER ALUMINUM CAP STAMPED A HORIZONTAL AND VERTICAL CONTROL NETWORK ESTABLISHED "CALIF. DEPT. OF TRANSPORTATION HPGN-CALIF" AND WITH HPGN IN THE CITY OF SANTA BARBARA AS A BASIS FOR TOPOGRAPHIC STATION NUMBER AS DESIGNATED HEREON. THE MONUMENT IS MAPPING AND AS THE SANTA BARBARA CONTROL NETWORK. INSIDE A 6-INCH DIAMETER ALUMINUM MOINUMENT WELL FLUSH WITH THE GROUND SURFACE. **NOTES** SET 2 INCH DIAMETER IRON PIPE WITH A 2 1/2 INCH DIAMETER BRASS CAP STAMPED "SANTA BARBARA CONTROL NETWORK STATION 1995 PLS 6167" AND WITH MONUMENT NUMBER AS DESIGNATED HEREON. 1. THE SURVEY WAS PERFORMED IN MAY, 1995 USING THREE ASHTECH THE MONUMENT IS INSIDE A 12 INCH DIAMETER CAST IRON MONUMENT LD-12 DUAL-FREQUENCY GPS RECEIVERS AND ONE ASHTECH M-12 WELL FLUSH WITH THE GROUND SURFACE. SEE STATION DESCRIPTIONS SINGLE FREQUENCY GPS RECEIVER OPERATING IN STATIC MODE, WITH FOR EXACT LOCATION OF MONUMENT. AN AVERAGE 90-MINUTE OCCUPATION TIME. BASELINE PROCESSING WAS DONE WITH "ASHTECH GPPS" SOFTWARE VERSION 5.0, USING FOUND OR SET MONUMENT AS NOTED IN STATION DESCRIPTIONS 0 $05 - 04^{4}$ THE SINGLE FREQUENCY OBSERVABLES AND THE BROADCAST EPHEMERIS. VERTICAL CONTROL WAS PERFORMED USING A WILD NA-2000 ELECTRONIC FOUND MONUMENT AS NOTED IN BENCHMARK DESCRIPTIONS LEVEL WITH SECTIONED FIBERGLASS RODS. NETWORK ADJUSTMENT WAS NEW PERFORMED WITH STAR\*NET VERSION 5.04. CUYAMA 0001 CITY OF SANTA BARBARA PUBLIC WORKS MONUMENT NUMBER DESIGNATION 2. THE HORIZONTAL DATUM OF THE NETWORK IS NAD 83 (1992), AND NEW PID PERMANENT IDENTIFIER: THE UNIQUE SIX-CHARACTER CODE THAT IDENTIFIES NETWORK STATION POSITIONS HAVE BEEN DERIVED FROM TIES TO THREE √166\~ A CONTROL POINT IN THE NATIONAL GEODETIC REFERENCE SYSTEM. CUYAMA COUNT ORDER "B" STATIONS OF THE CALIFORNIA HIGH PRECISION GEODETIC NETWORK (HPGN): "HPGN CA 05-01" (PID EW9544), "HPGN CA 05-02" (PID DZ1796) (USF) UNITED STATES SURVEY FEET ÀND "HPGN CA 05-04" (PID FU3789). INTERNATIONAL METERS THE BEARINGS SHOWN HEREON ARE REFERENCED TO CCS83, ZONE 5 GRID NORTH. THE POSITIONS OF THE THREE HPGN POINTS NOTED ABOVE HAVE BEEN (DMS) DEGRESS MINUTES SECONDS USED AS THE BASIS OF BEARINGS FOR THIS MAP. /33\ THIS SURVEY WAS NOT PERFORMED ACCORDING TO THE "GEOMETRIC GEODETIC SANTA BARBARA COUNTY ACCURACY STANDARDS AND SPECIFICATIONS FOR USING GPS RELATIVE POSITIONING TECHNIQUES". FEDERAL GEODETIC CONTROL COMMITTEE. AUGUST 11011 1989; HOWEVER, FOR NEW STATION POSITIONS ESTABLISHED BY GPS IN THIS NETWORK, THE RELATIVE HORIZONTAL ACCURACIES ACHEIVED IN THIS SURVEY, AS LISTED ON SHEET 3 (e.g. "FIRST ORDER", etc.) MEET OR EXCEED THE EQUIVALENT GUIDELINE ACCURACIES FOR GPS SURVEYS AS OUTLINED IN SAID STANDARDS AND SPECIFICATIONS. LOS ALAMOS 3. THE VERTICAL DATUM OF THE NETWORK IS NAVD 88, AND NETWORK STATION ELEVATIONS HAVE BEEN DERIVED FROM DIFFERENTIAL LEVELING TIES TO ELEVEN (11) FIRST-ORDER BENCHMARKS OF THE NATIONAL GEODETIC REFERENCE SYSTEM: "A 609" (PID EW3736), "C 658" (PID EW3758), "H 1215" (PID EW3761), "K 1215" (PID EW3749), "R 28" (PID EW3739), "S 1441" (PID EW9489), "T 1441" (PID EW9490), "T 28" (PID EW3735), "W 1042" (PID EW3766), "941 1340 TIDAL 1" (PID EW3742), "941 1340 TIDAL 2" (PID EW3741). SANTA (246) LOMPOCI ANALYSIS OF LOOP CLOSURES INDICATES VERTICAL ACCURACIES COMPARABLE TO SECOND ORDER, CLASS 2 ACCURACY STANDARDS AS OUTLINED IN "STANDARDS AND SPECIFICATIONS FOR GEODETIC CONTROL NETWORKS", FEDERAL GEODETIC CONTROL COMMITTEE, SEPTEMBER 1984. OLVANG ELEVATIONS OF STATIONS 0001, 0002, 0003, 0005, 0006, 0007, 0021, 0025, 0027, 0028, 0035 AND 0036 ARE DERIVED FROM DIFFERENTIAL LEVELING. ELEVATIONS OF ALL OTHER STATIONS WERE ESTIMATED BY FIXING THE DIFFERENTIAL LEVELING DERIVED ELEVATIONS OF STATIONS 0001, 0002, 0005, 0006, 0007, 0021 0025, 0027, 0028, 0035 AND 0036 IN THE NETWORK ADJUSTMENT, AND USING THE GEOID93 GEOID MODEL TO DERIVE THE GEOID/ELLIPSOID SEPARTION. SEE SHEET 2 4. STREETS SHOWN HEREON ARE FOR INFORMATIONAL PURPOSES ONLY. MONUMENTS SET WERE NOT INTENDED TO BE ON STREET CENTERLINES. THE POSITIONS OF FOUND AND SET MONUMENTS RELATIVE TO STREET CENTERLINES HAVE NOT BEEN SURVEYED. 0503 Ó001 -0016 0002 5. THE MONUMENT NUMBERS SHOWN HEREON WERE ASSIGNED BY THE CITY OF SANTA BARBARA PUBLIC WORKS DEPARTEMENT. 0005 6. A STATION RECOVERY SHEET FOR STATIONS 0001 THROUGH 0036 IS ON PACIFIC OCEAN FILE AT THE CITY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT OFFICE. THE STATION RECOVERY SHEET INCLUDES THE POSITION, ELEVATION, 05-01 0036 AND DESCRIPTION FOR THE SUBJECT STATION. 0028 SCALE 1:300,000 RECORD OF SURVEY RECORDER'S STATEMENT FEE \_ CITY OF SANTA BARBARA TOPOGRAPHIC MAPPING 6,000 12,000 18,000 24,000 30,000 METERS AND PERMANENT CONTROL PROJECT FILED THIS 11120RS1.DWG SANTA BARBARA CONTROL NETWORK COUNTY SURVEYOR'S STATEMENT SURVEYOR'S STATEMENT RECORD OF SURVEYS AT PAGE 70-74 ICHAL LAND & SCALE: 1:300,000 THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH SECTION 8766 OF THE LAND THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR AT THE REQUEST OF SURVEYOR'S ACT UNDER MY DIRECTION IN CONFORMANCE WITH THE REQUIREMENTS OF THE LAND SURVEYOR'S ACT AT THE REQUEST OF EDMUND R. VILLA PENFIELD & SMITH - ENGINEERS \* SURVEYORS Penfield (5 Smith THIS 5th DAY OF MARCH JUSTIN P. HEIGHT THE CITY OF SANTA BARBARA COUNTY SURVEYOR NO. 6167 KENNETH A. PETTIT ENGINEERS • SURVEYORS EXPIRES 3.31.98 COUNTY CLERK-RECORDER-ASSESSOR 111 E. VICTORIA ST. SANTA BARBARA COUNTY

P.L.S. NO.: 6167

LICENSE EXPIRATION DATE: 3-31-98

LICENSE EXPIRATION DATE: 3-31-98

P.L.S. No.: 6232

our Broke

(805) 963-9532

SHEET 1 OF 5 SHEETS

OF CALIFO

OF A CONTROL NETWORK

ESTABLISHED FOR THE

KNOWN AS THE

SANTA BARBARA COUNTY

STATE OF CALIFORNIA

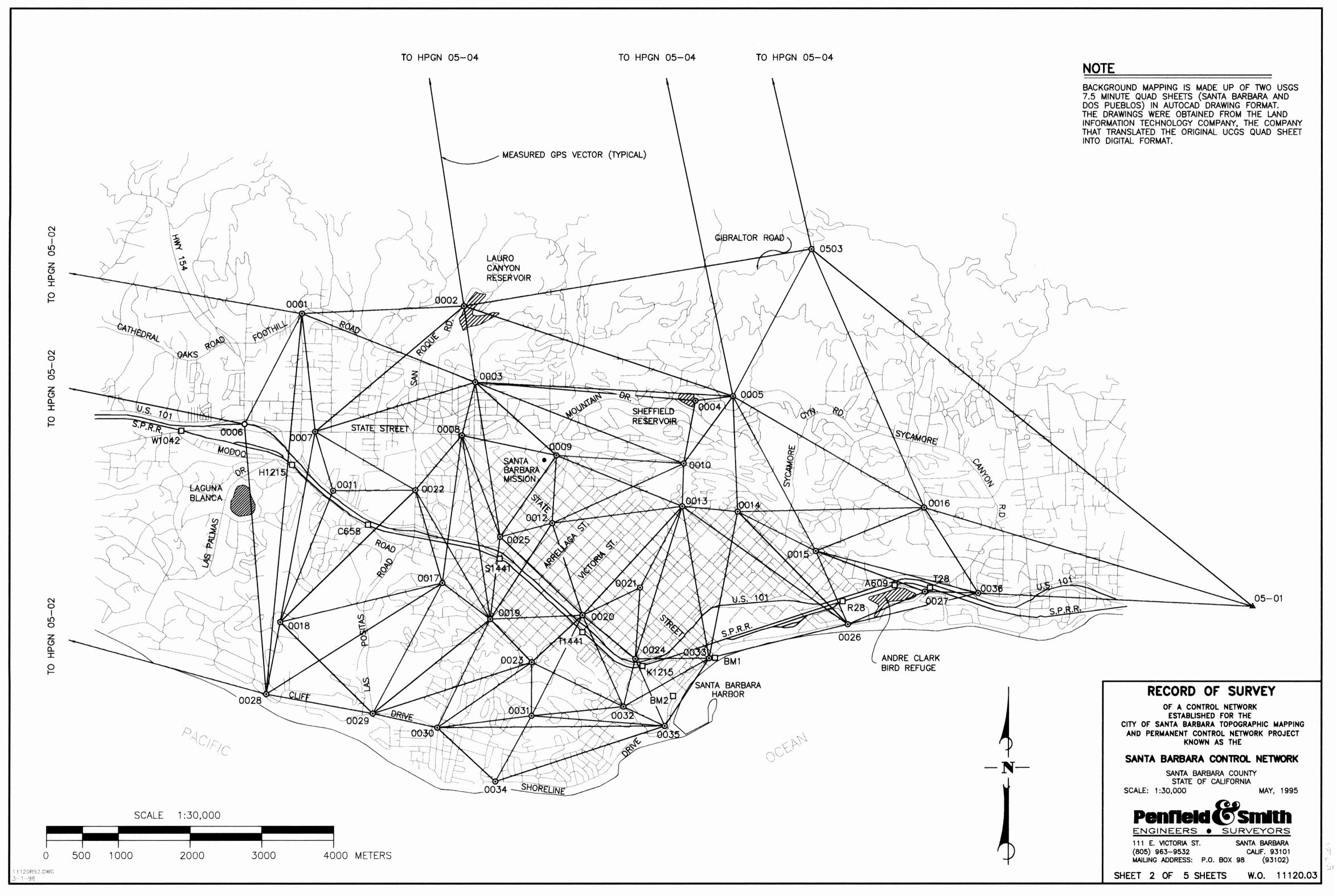
MAILING ADDRESS: P.O. BOX 98 (93102)

MAY, 1995

SANTA BARBARA

CALIF. 93101

W.O. 11120.03



## STATION COORDINATE LISTING

STATION	NORTHING (USF)	EASTING (USF)	ELEVATION (USF)	STATION	NORTHING (M)	EASTING (M)	ELEVATION (M)	STATION	NORTH LATITUDE (D M S)	WEST LONGITUDE (D M S)	STATION	GEOID HEIGHT STA	TION	MAPPING ANGLE	SCALE FACTOR	SEA LEVEL FACTOR	COMBINATION FACTOR	HORIZONTAL ORDER
0001 0002 0003 0004 0005 0006 0007 0008 0009 0010 0011 0012 0013 0014 0015 0016 0017 0018 0019 0020 0021 0022 0023 0024 0025 0026 0027 0026 0027 0028 0029 0030 0031 0032 0033 0034 0035 0036 0035	1992584.67 1993072.52 1989481.39 1988626.80 1988873.20 1987595.63 1987255.23 1987110.08 1986152.20 1985804.67 1984502.35 1983087.83 1983848.04 1983609.45 1981768.54 1983792.10 1980308.00 1978551.21 1978679.28 1978852.07 1980150.07 1984584.62 1976749.12 1976844.87 1982403.23 1976844.87 1982403.23 1978412.51 1979850.59 1975261.02 1974392.59 1974270.88 1974654.29 1976887.30 1971267.14 1973806.26 1979846.58 1995634.00	6033783.30 6041049.32 6041742.35 6051593.95 6053562.33 6031125.78 6034382.28 6041018.39 6045380.19 6051247.21 6035093.81 6045183.90 6051159.65 6053739.04 6057222.71 6062200.60 6040146.60 60428365.53 6042376.82 6046596.10 6049222.48 6032865.53 6042376.82 6046596.10 6049222.48 6038975.16 6044269.39 6048956.60 6042834.50 6058772.04 6062203.67 6032231.02 6037047.41 6039932.28 6044363.62 6048532.00 6052422.15 6042638.62 6050455.70 6064693.53 6057128.90	352.96 637.70 314.14 666.33 595.86 172.39 189.99 237.43 312.63 417.39 161.86 157.26 76.20 57.03 79.40 325.28 170.38 604.36 89.60 59.62 48.67 229.41 172.29 29.11 119.76 14.68 17.67 171.57 29.43 181.13 462.39 90.14 11.34 137.46 10.02 51.30 1677.91	0001 0002 0003 0004 0005 0006 0007 0008 0010 0011 0012 0013 0014 0015 0016 0017 0018 0019 0020 0021 0022 0023 0024 0025 0026 0027 0026 0027 0028 0029 0030 0031 0032 0033 0034 0035 0036 0036 0036	607341.023 607489.719 606395.141 606134.662 606209.764 605820.361 605716.606 605672.362 605380.402 605274.474 604877.525 604446.381 604678.093 604605.369 604044.259 604661.041 603599.084 603063.615 603102.652 603155.318 603550.949 604902.603 602514.337 602543.520 604237.714 603021.339 603459.665 602060.763 601796.065 601585.681 601758.967 601875.831 602556.453 600843.427 601617.353 603458.445 608270.461	1839100.828 1841315.517 1841526.752 1844529.525 18445129.487 1838290.815 1839283.398 1841306.086 1842635.568 1844423.839 1839500.272 1842575.739 1844397.150 1845183.350 1846245.174 1847762.437 1841040.367 1838821.092 1841720.137 1843006.177 1843806.701 1840683.310 1842296.995 1843725.660 1841859.640 1846717.412 1847763.373 1838627.692 1840095.730 1840975.042 1842325.717 1843596.241 1844781.962 1841799.935 1844182.586 1846216.580	107.581 194.370 95.752 203.099 181.619 52.545 57.910 72.370 95.290 127.220 49.334 47.934 23.226 17.384 24.200 99.145 51.932 184.210 27.310 18.171 14.836 69.925 52.515 8.873 36.502 4.475 5.385 52.294 8.970 55.208 140.936 27.475 3.456 41.898 3.053 15.636 511.427	0001 0002 0003 0004 0005 0006 0007 0008 0009 0010 0011 0012 0013 0014 0015 0016 0017 0018 0019 0020 0021 0022 0023 0024 0025 0026 0027 0028 0029 0030 0031 0032 0031 0032 0033 0034 0035 0036 0035	34 27 18.205977 34 27 24.274727 34 26 48.873337 34 26 42.076926 34 26 44.841090 34 26 28.401572 34 26 25.596933 34 26 25.296187 34 26 16.560173 34 26 14.105845 34 25 58.491195 34 25 54.738566 34 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05-01 05-02 05-04	1979263.495 2023870.683 2192449.198	6077 <b>333.484</b> 5855321.570 6011381.346	137.90 586.90 1832.60	0501 0502 0504	603280.720 616877.018 668259.852	1852374.951 1784705.584 1832272.699	<b>42.04</b> 178.9 558.6	05-01 05-02 05-04	34 25 13.64200 34 31 51.65809 35 00 10.97399	119 36 21.81244 120 20 43.73245 119 50 15.48510	05-01 05-02 05-04	-35.4 05	501 502 504	-0-54-55.70 -1-20-13.03 -1-02-50.91	0.9999 <b>3868</b> 0.99992946 0.99993176	0.99999891 0.99997746 0.99991769	0.99993759 0.99990693 0.99984946	B B B

## **NOTES**

- 1. LATITUDES AND LONGITUDES LISTED HEREON ARE REFERENCED TO THE NORTH AMERICAN DATUM OF 1983, 1992 ADJUSTMENT (NAD83, 1992). THE HORIZONTAL COORDINATES LISTED HEREON ARE REFERENCED TO THE CALIFORNIA COORDINATE SYSTEM, ZONE 5. "USF" COORDINATES ARE EXPRESSED IN UNITED STATES SURVEY FEET UNITS. "M" COORDINATES ARE EXPRESSED IN INTERNATIONAL METER UNITS.
- 2. THE ELEVATIONS LISTED HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988. "USF" COORDINATES ARE EXPRESSED IN UNITED STATES SURVEY FOOT UNITS. "M" COORDINATES ARE EXPRESSED IN INTERNATIONAL METER UNITS.
- 3. TO OBTAIN A "USF" VALUE FROM AN "M" VALUE, MULTIPLY THE "M" VALUE BY 39.37 AND THEN DIVIDE BY 12
  TO OBTAIN AN "M" VALUE FROM A "USF" VALUE, MULTIPLY THE "USF" VALUE BY 12 AND THEN DIVIDE BY 39.37
- 4. THE GEOID HEIGHTS LISTED HEREON HAVE BEEN COMPUTED FROM THE NATIONAL GEODETIC SURVEY'S GEOID93 GEOID MODEL, AND ARE LISTED HERE ONLY FOR USE IN REDUCING HORIZONTAL OBSERVATIONS. THE PRECISE RELATION BETWEEN THE GEOID AND THE ELLIPSOID WAS NOT DETERMINED BY THIS SURVEY.

- 5. SEA LEVEL FACTORS WERE COMPUTED USING A VALUE OF 20,906,000 FEET AS THE RADIUS OF CURVATURE OF THE EARTH.
- 6. THE ORDER DESIGNATED HEREON FOR NEW STATIONS REFERS TO THE HORIZONTAL POSITIONAL ACCURACY AT THE TIME OF SURVEY, AND NOT TO THE CHARACTER OR STABILITY OF THE MONUMENTATION. SEE NOTE 2 ON SHEET 1 FOR MORE INFORMATION.
- 7. THE HORIZONTAL AND VERTICAL POSITIONS OF THE THREE HPGN STATIONS (05-01, 05-02, AND 05-04) WERE NOT DETERMINED BY THIS SURVEY, AND ARE GIVEN HERE AS THEY APPEAR ON THE NGS DATA

#### RECORD OF SURVEY

OF A CONTROL NETWORK ESTABLISHED FOR THE CITY OF SANTA BARBARA TOPOGRAPHIC MAPPING AND PERMANENT CONTROL NETWORK PROJECT KNOWN AS THE

#### SANTA BARBARA CONTROL NETWORK

SANTA BARBARA COUNTY STATE OF CALIFORNIA

SCALE: N/A

ENGINEERS • SURVEYORS

111 E. VICTORIA ST. (805) 963-9532 MAILING ADDRESS: P.O. BOX 98 (93102)

SANTA BARBARA CALIF. 93101

MAY, 1995

SHEET 3 OF 5 SHEETS W.O. 11120.03

# STATION DESCRIPTIONS

0001	The station is a 2 inch diameter iron pipe with 2½ inch diameter brass cap stamped "Santa Barbara Control Network 1995 PLS 6167 Station 1" and center punched. The station is inside a 6 inch diameter aluminum monument well, marked "City of Santa Barbara Control Network", flush with asphalt road surface, near the centerline of La Cumbre Road, approximately 110 feet southeasterly of the centerline of Foothill Road, in front of the Trinity Lutheran Church. THOMAS GUIDE REF. (1995 ED): 985 D6 USGS QUAD: GOLETA	0010	The station is a 2 inch diameter iron pipe with 2½ inch diameter brass cap stamped "Santa Barbara Control Network 1995 PLS 6167 Station 10" and center punched. The station is inside a 6 inch diameter aluminum monument well, marked "City of Santa Barbara Control Network", flush with asphalt road surface, near the intersection of Alameda Padre Serra and Arbolado Road, 3 feet northerly from stone retaining wall, on the high side of Alameda Padre Serra, 33 feet westerly from "DO NOT ENTER" sign, in front of 1210 Alameda Padre Serra.  THOMAS GUIDE REF. (1995 ED): 996 B1 USGS QUAD: SANTA BARBARA	0019	The station is a 2 inch diameter iron pipe with 2½ inch diameter brass cap stamped "Santa Barbara Control Network 1995 PLS 6167 Station 19" and center punched. The station is inside a 6 inch diameter aluminum monument well, marked "City of Santa Barbara Control Network", flush with asphalt road surface, near the centerline of Valerio Street and 28 feet southerly of the centerline of Robins Street, in a crosswalk, in front of Harding School. THOMAS GUIDE REF. (1995 ED): 995 H4 USGS QUAD: SANTA BARBARA
0002	The station is a 2 inch diameter iron pipe with 2½ inch diameter brass cap stamped "Santa Barbara Control Network 1995 PLS 6167 Station 2" and center punched. The station is inside a 6 inch diameter aluminum monument well, marked "City of Santa Barbara Control Network", flush with the ground surface, 3 feet easterly of the east track of 2—track dirt road that runs parallel with and 20 feet easterly of San Roque Road, 21 feet westerly of a 6 foot high chain link fence around Laurel Canyon Dam, approximately 0.23 miles northerly from the "W.B. Cater Treatment Plant" along San Roque Road.  THOMAS GUIDE REF. (1995 ED): 985 G6 USGS QUAD: SANTA BARBARA	0011	The station is a 2 inch diameter iron pipe with 2½ inch diameter brass cap stamped "Santa Barbara Control Network 1995 PLS 6167 Station 11" and center punched. The station is inside a 6 inch diameter aluminum monument well, marked "City of Santa Barbara Control Network", flush with asphalt road surface, near the centerline intersection of Calle Real and Hitchcock Way.  THOMAS GUIDE REF. (1995 ED): 995 E2 USGS QUAD: SANTA BARBARA  The station is a 2 inch diameter iron pipe with 2½ inch diameter brass	0020	The station is a 2 inch diameter iron pipe with 2½ inch diameter brass cap stamped "Santa Barbara Control Network 1995 PLS 6167 Station 20" and center punched. The station is inside a 6 inch diameter aluminum monument well, marked "City of Santa Barbara Control Network", flush with asphalt road surface, near the centerline of Figueroa Street, approximately 140 feet northerly of the end of the cul—de—sac and 110 feet southerly of the centerline of Castillo Street, in front of 406 and 407 Figueroa Street.  THOMAS GUIDE REF. (1995 ED): 995 J4 USGS QUAD: SANTA BARBARA
0003	The station is a 2 inch diameter iron pipe with 2½ inch diameter brass cap stamped "Santa Barbara Control Network 1995 PLS 6167 Station 3" and center punched. The station is inside a 6 inch diameter aluminum monument well, marked "City of Santa Barbara Control Network", flush with asphalt road surface, near the centerline of Alamar Avenue, approximately 45 feet northerly of the centerline of Foothill Road. THOMAS GUIDE REF. (1995 ED): 985 H7 USGS QUAD: SANTA BARBARA	0012	cap stamped "Santa Barbara Control Network 1995 PLS 6167 Station 12" and center punched. The station is inside a 6 inch diameter aluminum monument well, marked "City of Santa Barbara Control Network", flush with asphalt road surface, in painted median strip near the centerline of State Street, midway between Pedregosa Street and Islay Street, in front of 1819 State Street, opposite the centerline of concrete steps leading into 1826/1824 State Street.  THOMAS GUIDE REF. (1995 ED): 995 J2 USGS QUAD: SANTA BARBARA	0021	The station is a 2 inch diameter iron pipe with 2½ inch diameter brass cap stamped "Santa Barbara Control Network 1995 PLS 6167 Station 21" and center punched. The station is inside a 6 inch diameter aluminum monument well, marked "City of Santa Barbara Control Network", flush with the concrete sidewalk at the easterly corner of the intersection of Canon Perdido Street and Anacapa Street (S.B. Main Post Office corner), 3 feet southeasterly of the curb face and 2 feet northeasterly of the end of the curve of the curb return. THOMAS GUIDE REF. (1995 ED): 996 A3 USGS QUAD: SANTA BARBARA
0004	The station is a 2 inch diameter iron pipe with 2½ inch diameter brass cap stamped "Santa Barbara Control Network 1995 PLS 6167 Station 4" and center punched. The station is inside a 6 inch diameter aluminum monument well, marked "City of Santa Barbara Control Network", flush with the surface of the asphalt road that is around Sheffield Reservoir, on the easterly side of the reservoir, approximately 33 feet easterly of the concrete curb that outlines the reservoir. There is a locked gate at the southwest corner of the reservoir. Contact City of S.B. Public Works for access.	0013	The station is a 2 inch diameter iron pipe with 2½ inch diameter brass cap stamped "Santa Barbara Control Network 1995 PLS 6167 Station 13" and center punched. The station is inside a 6 inch diameter aluminum monument well, marked "City of Santa Barbara Control Network", flush with asphalt road surface, near the intersection of the centerline of Figueroa Street with the southerly curb face line of Milpas Street. THOMAS GUIDE REF. (1995 ED): 996 B2 USGS QUAD: SANTA BARBARA  The station is a 2 inch diameter iron pipe with 2½ inch diameter brass	0022	The station is a 2 inch diameter iron pipe with 2½ inch diameter brass cap stamped "Santa Barbara Control Network 1995 PLS 6167 Station 22" and center punched. The station is inside a 6 inch diameter aluminum monument well, marked "City of Santa Barbara Control Network", flush with asphalt road surface, near the intersection of the centerline of Alegria Road with the easterly curb face of Las Positas Road, across from the Santa Barbara Municipal Golf Course.  THOMAS GUIDE REF. (1995 ED): 995 F2 USGS QUAD: SANTA BARBARA
0005	THOMAS GUIDE REF. (1995 ED): 986 B7 USGS QUAD: SANTA BARBARA  The station is a 2 inch diameter iron pipe with 2½ inch diameter brass cap stamped "Santa Barbara Control Network 1995 PLS 6167 Station 5" and center punched. The station is inside a 6 inch diameter aluminum monument well, marked "City of Santa Barbara Control Network", flush with asphalt road surface in the center of the cul—de—sac at the northerly end of Orizaba Road, northerly of Stanwood Drive.  THOMAS GUIDE REF. (1995 ED): 986 C7 USGS QUAD: SANTA BARBARA	0014	cap stamped "Santa Barbara Control Network 1995 PLS 6167 Station 14" and center punched. The station is inside a 6 inch diameter aluminum monument well, marked "City of Santa Barbara Control Network", flush with asphalt road surface, near the centerline intersection of Soledad Street and Diana Road.  THOMAS GUIDE REF. (1995 ED): 996 C2 USGS QUAD: SANTA BARBARA  The station is a 2 inch diameter iron pipe with 2½ inch diameter brass cap stamped "Santa Barbara Control Network 1995 PLS 6167 Station 15"	0023	The station is a 2 inch diameter iron pipe with 2½ inch diameter brass cap stamped "Santa Barbara Control Network 1995 PLS 6167 Station 23" and center punched. The station is inside a 6 inch diameter aluminum monument well, marked "City of Santa Barbara Control Network", flush with the asphalt road surface, near the centerline intersection of Belmonte Drive and Plaza Del Monte. THOMAS GUIDE REF. (1995 ED): 995 J5 USGS QUAD: SANTA BARBARA
0006	The station is a California Dept. of Transportation 1½ inch diameter brass cap, stamped "QG-1 RESET 1991", set flush in the concrete sidewalk that runs along the east side of the Route 154 bridge over Highway 101, directly over the center median strip of Highway 101. THOMAS GUIDE REF. (1995 ED): 995 C1 USGS QUAD: GOLETA	0015	and center punched. The station is inside a 6 inch diameter aluminum monument well, marked "City of Santa Barbara Control Network", flush with asphalt road surface, near the intersection of the centerline of Clifton Street with the southerly curb face line of Salinas Street.  THOMAS GUIDE REF. (1995 ED): 996 D3 USGS QUAD: SANTA BARBARA	0024	The station is a 2 inch diameter iron pipe with 2½ inch diameter brass cap stamped "Santa Barbara Control Network 1995 PLS 6167 Station 24" and center punched. The station is inside a 6 inch diameter aluminum monument well, marked "City of Santa Barbara Control Network", flush with the ground surface, set in landscape area, on the easterly side of the 101 northbound on—ramp (near intersection of Haley Street and
0007	The station is a 2 inch diameter iron pipe with 2½ inch diameter brass cap stamped "Santa Barbara Control Network 1995 PLS 6167 Station 7" and center punched. The station is inside a 6 inch diameter aluminum monument well, marked "City of Santa Barbara Control Network", flush with asphalt road surface, near the centerline intersection of State Street and Plaza Avenue, in front of Peppertree Inn entrance. Plaza Avenue is actually an entrance road into the La Cumbre Plaza, and is approximately midway between Hope Avenue and La Cumbre Road. THOMAS GUIDE REF. (1995 ED): 995 E1 USGS QUAD: SANTA BARBARA	0016	The station is a 2 inch diameter iron pipe with 2½ inch diameter brass cap stamped "Santa Barbara Control Network 1995 PLS 6167 Station 16" and center punched. The station is inside a 6 inch diameter aluminum monument well, marked "City of Santa Barbara Control Network", flush with asphalt road surface, near the center of the intersection of Alston Road, Camino Viejo, Summit Road and Eucalyptus Hill Drive, in front of main entrance to Brooks Institute, Montecito Campus.  THOMAS GUIDE REF. (1995 ED): 996 F2 USGS QUAD: SANTA BARBARA  The station is a 2 inch diameter iron pipe with 2½ inch diameter brass	0025	Castillo Street). THOMAS GUIDE REF. (1995 ED): 996 A5 USGS QUAD: SANTA BARBARA  The station is a 2 inch diameter iron pipe with 2½ inch diameter brass cap stamped "Santa Barbara Control Network 1995 PLS 6167 Station 25" and center punched. The station is inside a 6 inch diameter aluminum monument well, marked "City of Santa Barbara Control Network", flush with asphalt road surface, near the intersection of the centerline of Padre Street with a line that is 9 feet southerly of the southerly curb face line of Castillo Street.
8000	The station is a 2 inch diameter iron pipe with 2½ inch diameter brass cap stamped "Santa Barbara Control Network 1995 PLS 6167 Station 8" and center punched. The station is inside a 6 inch diameter aluminum monument well, marked "City of Santa Barbara Control Network", flush with the ground surface, in the center of a concrete curb traffic island, near the intersection of State Street and Verde Vista Drive. Traffic island is on the northerly side of State Street in front of	0017	cap stamped "Santa Barbara Control Network 1995 PLS 6167 Station 17" and center punched. The station is inside a 6 inch diameter aluminum monument well, marked "City of Santa Barbara Control Network", flush with asphalt road surface, near the corner of a concrete cross—gutter, across Mountain Avenue near the intersection of Mountain Avenue and Portesuello Drive, 15 feet southerly of the centerline Mountain Avenue and 27 feet easterly of the centerline of Portesuello Avenue.  THOMAS GUIDE REF. (1995 ED): 995 G3 USGS QUAD: SANTA BARBARA		THOMAS GUIDE REF. (1995 ED): 995 H3 USGS QUAD: SANTA BARBARA  RECORD OF SURVE
0009	2958 State Street. THOMAS GUIDE REF. (1995 ED): 995 G1 USGS QUAD: SANTA BARBARA  The station is a 2 inch diameter iron pipe with 2½ inch diameter brass cap stamped "Santa Barbara Control Network 1995 PLS 6167 Station 9" and center punched. The station is inside a 6 inch diameter aluminum monument well, marked "City of Santa Barbara Control Network", flush with asphalt road surface, 2 feet westerly of the easterly edge of pavement of Los Olivos Street, opposite from the main door of the Mission Santa Barbara, next to Mission Park.	0018	The station is a 2 inch diameter iron pipe with 2½ inch diameter brass cap stamped "Santa Barbara Control Network 1995 PLS 6167 Station 18" and center punched. The station is inside a 6 inch diameter aluminum monument well, marked "City of Santa Barbara Control Network", flush with asphalt road surface, near the centerline of Centinela Lane, approximately 66 feet easterly from the end of the cul—de—sac. THOMAS GUIDE REF. (1995 ED): 995 D4 USGS QUAD: GOLETA		OF A CONTROL NETWORK ESTABLISHED FOR THE CITY OF SANTA BARBARA TOPOGRAPHIC AND PERMANENT CONTROL NETWORK KNOWN AS THE  SANTA BARBARA CONTROL NETWORK
	THOMAS GUIDE REF. (1995 ED): 995 J1 USGS QUAD: SANTA BARBARA				SANTA BARBARA COUNTY STATE OF CALIFORNIA

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PHIC MAPPING ORK PROJECT KNOWN AS THE

#### SANTA BARBARA CONTROL NETWORK

SANTA BARBARA COUNTY STATE OF CALIFORNIA

SCALE: N/A

ENGINEERS • SURVEYORS 111 E. VICTORIA ST. SANTA BARBARA (805) 963-9532 CALIF. 93101 MAILING ADDRESS: P.O. BOX 98 (93102)

MAY, 1995

SHEET 4 OF 5 SHEETS W.O. 11120.03

### STATION DESCRIPTIONS

0026	The station is a 2 inch diameter iron pipe with 2½ inch diameter brass cap stamped "Santa Barbara Control Network 1995 PLS 6167 Station 26" and center punched. The station is inside a 6 inch diameter aluminum monument well, marked "City of Santa Barbara Control Network", flush with asphalt road surface, near the centerline intersection of Cabrillo Boulevard and Ninos Drive, near East Beach parking lot entrance.  THOMAS GUIDE REF. (1995 ED): 996 E4 USGS QUAD: SANTA BARBARA
0027	The station is a 2 inch diameter iron pipe with 2½ inch diameter brass cap stamped "Santa Barbara Control Network 1995 PLS 6167 Station 27" and center punched. The station is inside a 6 inch diameter aluminum monument well, marked "City of Santa Barbara Control Network", flush with asphalt road surface, near the intersection of the centerline of Channel Drive with the easterly curb face line of Cabrillo Boulevard. THOMAS GUIDE REF. (1995 ED): 996 F4 USGS QUAD: SANTA BARBARA
0028	The station is a 2 inch diameter iron pipe with 2½ inch diameter brass cap stamped "Santa Barbara Control Network 1995 PLS 6167 Station 28" and center punched. The station is inside a 6 inch diameter aluminum monument well, marked "City of Santa Barbara Control Network", flush with asphalt road surface, 5 feet northerly of asphalt dike on southerly side of Cliff Drive, above a switchback in Sea Ledge Lane (private road), approximately 550 feet westerly of the intersection of Sea Ledge Lane and Cliff Drive. THOMAS GUIDE REF. (1995 ED): 995 D5 USGS QUAD: GOLETA
0029	The station is a 2 inch diameter iron pipe with 2½ inch diameter brass cap stamped "Santa Barbara Control Network 1995 PLS 6167 Station 29" and center punched. The station is inside a 6 inch diameter aluminum monument well, marked "City of Santa Barbara Control Network", flush with the ground surface, in the center of a triangular concrete curb traffic island, at the northwesterly corner of the intersection of Las Positas Road and Cliff Drive.  THOMAS GUIDE REF. (1995 ED): 995 F6 USGS QUAD: SANTA BARBARA
0030	The station is a 2 inch diameter iron pipe with 2½ inch diameter brass cap stamped "Santa Barbara Control Network 1995 PLS 6167 Station 30" and center punched. The station is inside a 6 inch diameter aluminum monument well, marked "City of Santa Barbara Control Network", flush with asphalt road surface, near the nose of the painted median strip at the easterly side of the intersection of Cliff Drive and Flora Vista Drive, approximately 35 feet easterly of the centerline of Flora Vista Drive.  THOMAS GUIDE REF. (1995 ED): 995 G6 USGS QUAD: SANTA BARBARA
0031	The station is a 2 inch diameter iron pipe with 2½ inch diameter brass cap stamped "Santa Barbara Control Network 1995 PLS 6167 Station 31" and center punched. The station is inside a 6 inch diameter aluminum monument well, marked "City of Santa Barbara Control Network", flush with asphalt road surface in a turnaround area on the northerly side of the Vic Trace Reservoir. There is a gated entrance road off of La Coronilla Drive. Contact City S.B. Public Works for access. THOMAS GUIDE REF. (1995 ED): 995 J6 USGS QUAD: SANTA BARBARA
0032	The station is a 2 inch diameter iron pipe with 2½ inch diameter brass cap stamped "Santa Barbara Control Network 1995 PLS 6167 Station 32" and center punched. The station is inside a 6 inch diameter aluminum monument well, marked "City of Santa Barbara Control Network", flush with asphalt road surface, 5 feet northerly of the nose of a triangular concrete traffic island, on the southerly side of the intersection of Cliff Drive and Loma Alta Drive, in a crosswalk across Loma Alta Drive.  THOMAS GUIDE REF. (1995 ED): 996 A6 USGS QUAD: SANTA BARBARA
0033	The station is a 2 inch diameter iron pipe with 2½ inch diameter brass cap stamped "Santa Barbara Control Network 1995 PLS 6167 Station 33" and center punched. The station is inside a 6 inch diameter aluminum monument well, marked "City of Santa Barbara Control Network", flush with asphalt road surface, in the nose of a painted median strip, near the centerline Cabrillo Boulevard, approximately 36 feet northeasterly of the centerline of Helen Avenue, in front of "Surf and Sand" restaurant.  THOMAS GUIDE REF. (1995 ED): 996 C5 USGS QUAD: SANTA BARBARA
0034	The station is a 2 inch diameter iron pipe with 2½ inch diameter brass cap stamped "Santa Barbara Control Network 1995 PLS 6167 Station 34" and center punched. The station is inside a 6 inch diameter aluminum monument well, marked "City of Santa Barbara Control Network", flush with asphalt road surface, near the centerline of Shoreline Drive, in a painted median strip, approximately 150 feet westerly of Lighthouse Place, in front of the Washington School playground. THOMAS GUIDE REF. (1995 ED): 995 H7 USGS QUAD: SANTA BARBARA

The station is a 2 inch diameter iron pipe with 2½ inch diameter brass cap stamped "Santa Barbara Control Network 1995 PLS 6167 Station 35" and center punched. The station is inside a 6 inch diameter aluminum monument well, marked "City of Santa Barbara Control Network", flush with asphalt road surface, 2 feet southerly of the nose of a concrete median strip at the northerly side of the intersection of Cabrillo Boulevard and Harbor Way, opposite La Playa Stadium.

THOMAS GUIDE REF. (1995 ED): 996 B6 USGS QUAD: SANTA BARBARA

The station is a 2 inch diameter iron pipe with 2½ inch diameter brass cap stamped "Santa Barbara Control Network 1995 PLS 6167 Station 36" and center punched. The station is inside a 6 inch diameter aluminum monument well, marked "City of Santa Barbara Control Network", flush with the ground surface in grass median strip, approximately 15 feet from the easterly nose of median on the westerly side of the intersection of Coast Village Road and Butterfly Lane.

THOMAS GUIDE REF. (1995 ED): 996 G4 USGS QUAD: SANTA BARBARA

The station is a "PK" nail and tin disk set flush in the asphalt surface of Gibralter Road, premarked with a white paint cross for use as ground control for aerial photogrammetric mapping. The station is located near the southerly edge of pavement at a 180 degree turn in the road, approximately 0.3 miles northeasterly from the Mount Calvary Retreat entrance driveway.

#### BENCHMARK DESCRIPTIONS

ALL BENCHMARKS WERE RECOVERED IN GOOD CONDITION AS DESCRIBED IN THE NATIONAL GEODETIC SURVEY (NGS) DATABASE. ALL ELEVATIONS ARE FROM THE NGS DATA SHEETS.

FOUND STANDARD USC&GS BRASS BENCHMARK DISK STAMPED "A 609" AT THE INTERSECTION OF LOS PATOS WAY AND THE SPRR TRACKS, SET IN THE TOP OF THE N.W. END OF THE S.E CONC. WING WALL OF THE SPRR BRIDGE OVER LOS PATOS WAY, 6.3' S'LY OF TRACKS. ELEVATION = 9.152 METERS NAVD 88.

FOUND STANDARD USC&GS BRASS BENCHMARK DISK STAMPED "C 658" IN THE VICINITY OF THE INTERSECTION OF VERONICA SPRINGS ROAD AND MODOC ROAD, ABOUT 0.4 MILES WEST OF THE INTERSECTION OF LAS POSITAS ROAD AND THE SPRR TRACKS, SET IN THE TOP OF THE NORTH END OF THE EAST CONC. ABUT. OF A SMALL CONC. RAILROAD BRIDGE OVER A DRAINAGE DITCH, 12.2' N'LY OF TRACKS, 1.6' S'LY OF N'LY END OF ABUT. ELEVATION = 46.992 METERS NAVD88.

FOUND STANDARD NGS BRASS BENCHMARK DISK STAMPED "H 1215" AT THE INTERSECTION OF LA CUMBRE ROAD AND THE SPRR TRACKS, SET VERTICALLY IN THE S'LY FACE OF THE SE'LY COLUMN OF THE FIRST BENT N'LY OF THE TRACKS, 24.8' N'LY OF TRACKS, 2' ABOVEGROUND LEVEL. ELEVATION = 55.038 METERS NAVD88.

FOUND STANDARD NGS BRASS BENCHMARK DISK STAMPED "K 1215" AT THE INTERSECTION OF CASTILLO STREET AND THE SPRR TRACKS, SET IN THE TOP OF THE W'LY END OF THE SW'LY WINGWALL OF THE SPRR BRIDGE OVER CASTILLO ST., 12.8 S'LY OF TRACKS. ELEVATION = 9.544 METERS NAVD88.

FOUND STANDARD USC&GS BRASS DISK BENCHMARK DISK STAMPED "R 28" AT THE INTERSECTION OF SYCAMORE CREEK AND THE SPRR TRACKS, SET IN THE TOP OF THE NW'LY END OF THE NE'LY ABUT. OF A STEEL RAILROAD BRIDGE OVER SYCAMORE CREEK, 4.7' NW'LY OF TRACKS, 1.3 SE'LY OF NW'LY END OF ABUT. ELEVATION = 5.556 METERS NAVD88.

FOUND STANDARD NGS BRASS VERTICAL CONTROL DISK STAMPED "S 1441" AT THE INTERSECTION OF MISSION STREET AND THE SPRR TRACKS, SET IN THE TOP OF THE SW'LY END OF THE SE'LY CONC. ABUT. OF THE SPRR BRIDGE OVER MISSION STREET, 8.5' SW'LY OF TRACKS, 3.6 NE'LY OF SW'LY END OF ABUT. ELEVATION = 34.562 METERS NAVD88.

FOUND STANDARD NGS BRASS VERTICAL CONTROL DISK STAMPED "T 1441" AT THE INTERSECTION OF CARRILLO STREET AND THE SPRR TRACKS, SET IN THE TOP OF THE SW'LY END OF THE SE'LY CONC. ABUT. OF THE SPRR BRIDGE OVER CARRILLO STREET, 8.2' SW'LY OF TRACKS, 3.6' NE'LY OF SW'LY END OF ABUT. ELEVATION = 18.529 METERS NAVD88.

FOUND STANDARD USC&GS BRASS BENCHMARK DISK STAMPED "T 28" AT THE INTERSECTION OF EAST CABRILLO BLVD. AND THE SPRR TRACKS, SET IN THE TOP OF THE SOUTH END OF THE WEST CONC. ABUT. OF STEEL RAILROAD BRIDGE OVER E. CABRILLO BLVD., 18.7' S'LY OF TRACKS. ELEVATION = 11.983 METERS NAVD88.

FOUND STANDARD USC&GS BRASS BENCHMARK DISK STAMPED "W 1042" AT THE INTERSECTION OF HOLLISTER AVENUE AND THE SPRR TRACKS, SET IN THE TOP OF THE W'LY END OF THE N'LY CONC. ABUT. OF STEEL RAILROAD BRIDGE OVER HOLLISTER AVE., 7' S'LY OF TRACKS, 1.1' W'LY OF END OF GUARDRAIL. ELEVATION = 38.508 METERS NAVD88.

FOUND STANDARD USC&GS BRASS TIDAL STATION DISK (DESIGNATION 941 1340 TIDAL 1)

STAMPED "BM 1 1930" NEAR THE INTERSECTION OF HELENA AVENUE AND EAST CABRILLO BLVD., SET IN THE TOP OF THE NE'LY END OF A 4' HIGH CONC. GUARDRAIL OF THE BRIDGE OVER MISSION CREEK, 52.5, SE'LY OF THE CENTERLINE OF CABRILLO BLVD. ELEVATION = 4.921 METERS NAVD88.

BM2

FOUND STANDARD USC&GS BRASS TIDAL STATION DISK (DESIGNATION 941 1340 TIDAL 2)

STAMPED "BM 2 1930" NEAR THE INTERSECTION OF EAST CABRILLO BLVD. AND CASTILLO

STREET, SET IN THE TOP OF THE SW'LY END OF A CONC. SEAWALL, 147.5' NE'LY OF

CENTERLINE OF CASTILLO, 58' SE'LY OF CENTERLINE CABRILLO.

ELEVATION = 3.928 METERS NAVD88.

#### RECORD OF SURVEY

OF A CONTROL NETWORK
ESTABLISHED FOR THE
CITY OF SANTA BARBARA TOPOGRAPHIC MAPPING
AND PERMANENT CONTROL NETWORK PROJECT
KNOWN AS THE

#### SANTA BARBARA CONTROL NETWORK

SANTA BARBARA COUNTY
STATE OF CALIFORNIA
SCALE: N/A MAY. 1995

<u>Co</u>

ENGINEERS • SURVEYORS

SANTA BARBARA

W.O. 11120.03

(805) 963-9532 CALIF. 93101 MAILING ADDRESS: P.O. BOX 98 (93102)

SHEET 5 OF 5 SHEETS

111 E. VICTORIA ST.

11120RS4.DWG(V2)