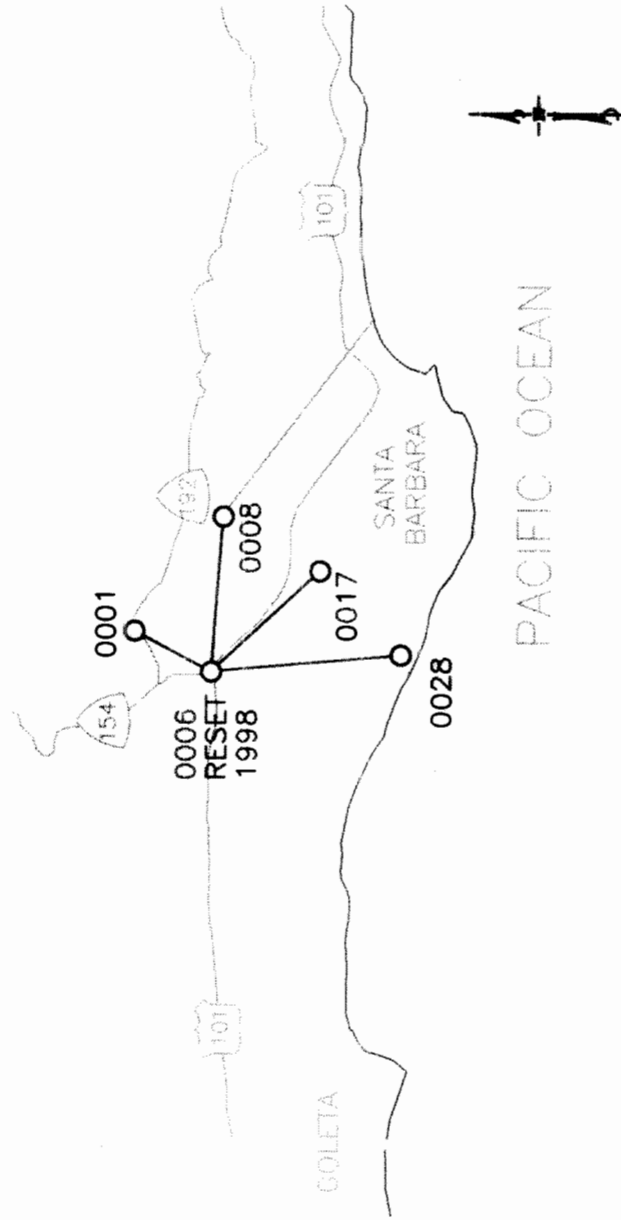


LEGEND

- FOUND OR SET MONUMENT AS NOTED IN STATION DESCRIPTIONS
- ⊙ SANTA BARBARA CONTROL NETWORK STATION PER 147 RS 70 SHOWN FOR INFORMATIONAL PURPOSES ONLY. SEE STATION RECOVERY SHEETS ON FILE AT THE CITY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT FOR CURRENT CONDITION AND EXACT LOCATION OF MONUMENT.
- 0001 CITY OF SANTA BARBARA PUBLIC WORKS MONUMENT NUMBER DESIGNATION
- (USF) UNITED STATES SURVEY FEET
- (M) INTERNATIONAL METERS
- (DMS) DEGREE MINUTES SECONDS



VICINITY MAP

NO SCALE

STATION DESCRIPTIONS

- 0001 The station is a 2 inch diameter iron pipe with 2 1/2 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
- 0006 RESET 1998 The station is a standard National Geodetic Survey Vertical Control Mark, 4 1/2 inch diameter brass disk, stamped "X 1042 RESET 1998", set flush in the concrete sidewalk that runs along the west 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
- 0008 The station is a 2 inch diameter iron pipe with 2 1/2 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 2958 State Street. THOMAS GUIDE REF. (1995 ED): 995 G1 USGS QUAD: SANTA BARBARA
- 0017 The station is a 2 inch diameter iron pipe with 2 1/2 inch diameter brass 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
- 0028 The station is a 2 inch diameter iron pipe with 2 1/2 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

STATEMENT OF PURPOSE

THE PURPOSE OF THIS MAP IS TO DOCUMENT THE REPLACEMENT OF STATION 0006 OF THE SANTA BARBARA CONTROL NETWORK, AS SHOWN ON THE MAP FILED IN BOOK 147, PAGE 70 OF RECORD OF SURVEYS. THE ORIGINAL STATION 0006 WAS DESTROYED DURING THE CONSTRUCTION OF A NEW HIGHWAY 101 - HIGHWAY 154 INTERCHANGE BRIDGE. AN EXISTING NGS VERTICAL CONTROL MARK SET IN THE NEW BRIDGE WAS SELECTED TO BE THE REPLACEMENT AND HAS BEEN DESIGNATED 0006 RESET FOR THE PURPOSES OF THE SBGN.

NOTES

1. THE SURVEY WAS PERFORMED IN FEBRUARY, 1998 USING THREE ASHTECH LD-12 DUAL-FREQUENCY GPS RECEIVERS OPERATING IN STATIC MODE, WITH AN AVERAGE 60-MINUTE OCCUPATION TIME. BASELINE PROCESSING WAS DONE WITH "ASHTECH GPPS" SOFTWARE VERSION 5.0. USING THE SINGLE FREQUENCY OBSERVABLES AND THE BROADCAST EPHEMERIS, NETWORK ADJUSTMENT WAS PERFORMED WITH STARNET VERSION 5.04.
2. THE HORIZONTAL DATUM OF THE NETWORK IS NAD 83 (1992), AND THE POSITION OF STATION "0006 RESET 1998" HAS BEEN DERIVED FROM TIES TO FOUR SBGN STATIONS: 0001, 0008, 0017, 0028. THE BEARINGS SHOWN HEREON ARE REFERENCED TO CCS83, ZONE 5 GRID NORTH. THE POSITIONS OF THE FOUR SBGN STATIONS NOTED ABOVE HAVE BEEN USED AS THE BASIS OF BEARINGS FOR THIS MAP. THIS SURVEY WAS NOT PERFORMED ACCORDING TO THE "GEOMETRIC GEODETIC ACCURACY STANDARDS AND SPECIFICATIONS FOR USING GPS RELATIVE POSITIONING TECHNIQUES", FEDERAL GEODETIC CONTROL COMMITTEE, AUGUST 1989; HOWEVER, FOR THE STATION POSITION ESTABLISHED BY GPS IN THIS NETWORK, THE RELATIVE HORIZONTAL ACCURACIES ACHIEVED IN THIS SURVEY, AS LISTED ON THIS SHEET (e.g. "FIRST ORDER", etc.) MEET OR EXCEED THE EQUIVALENT GUIDELINE ACCURACIES FOR GPS SURVEYS AS OUTLINED IN SAID STANDARDS AND SPECIFICATIONS.
3. THE VERTICAL DATUM OF THE NETWORK IS NAVD 88, AND THE ELEVATION OF STATION 0006 WAS ESTIMATED BY FIXING THE PUBLISHED (147 RS 70) ELEVATIONS OF STATIONS 0001, 0008, 0017, AND 0028 IN THE NETWORK ADJUSTMENT AND USING THE GEOID93 GEOID MODEL TO DERIVE THE GEOID/ELLIPSOID SEPARATION.
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.
5. THE MONUMENT NUMBERS SHOWN HEREON WERE ASSIGNED BY THE CITY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT.
6. A STATION RECOVERY SHEET FOR STATIONS 0001 THROUGH 0036 IS ON FILE AT THE CITY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT OFFICE. THE STATION RECOVERY SHEET INCLUDES THE POSITION, ELEVATION, AND DESCRIPTION FOR THE SUBJECT STATION.

STATION POSITIONS

(POSITIONS OF STATIONS 0001, 0008, 0017, AND 0028 ARE TAKEN FROM 147 RS 70 AND WERE HELD FIXED IN THE NETWORK ADJUSTMENT - SEE NOTE 1 ABOVE)

STATION	NORTHING (USF)	EASTING (USF)	ELEVATION (USF)	NORTHING (M)	EASTING (M)	ELEVATION (M)	STATION	NORTH LATITUDE (D M S)	WEST LONGITUDE (D M S)	STATION	GEOID HEIGHT (M)	MAPPING ANGLE	SCALE FACTOR	SEA LEVEL FACTOR	COMBINATION FACTOR	HORIZONTAL ORDER
0001	1992584.67	6033783.30	352.96	607341.023	1839100.828	107.581	0001	34 27 18.205977	119 45 04.369901	0001	-35.0	-0 59 53.57	0.99993539	0.99998861	0.99992400	FIRST
0006	1987593.46	6030997.37	173.51	605819.698	1838251.677	52.886	0006	34 26 28.357808	119 45 36.590980	0006	-35.1	-1 00 11.93	0.99993666	0.99999722	0.99993388	FIRST
0008	1987110.08	6041018.39	237.43	605672.362	1841306.086	72.370	0008	34 26 25.296187	119 43 36.857154	0008	-35.1	-0 59 03.68	0.99993674	0.999998415	0.99993089	FIRST
0017	1980308.00	6040146.60	170.38	603599.084	1841040.367	51.932	0017	34 25 17.869912	119 43 45.867430	0017	-35.3	-0 59 08.82	0.99993856	0.99999738	0.99993594	FIRST
0028	1975261.02	6032231.02	171.57	602060.763	1838627.692	52.294	0028	34 24 26.594099	119 45 19.291948	0028	-35.4	-1 00 02.07	0.99994001	0.99999735	0.99993736	FIRST

RECORDER'S STATEMENT

FILED THIS FEE \$10
 7th DAY OF April, 1998.
 AT 3 P.M. IN BOOK 149 OF RECORD OF SURVEYS AT PAGES 14 & 17
 AT THE REQUEST OF PENFIELD & SMITH - ENGINEERS * SURVEYORS
 KENNETH A. PETTIT COUNTY CLERK-RECORDER-ASSESSOR SANTA BARBARA COUNTY
 BY: *Steven Burke* DEPUTY COUNTY RECORDER

COUNTY SURVEYOR'S STATEMENT

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH SECTION 8766 OF THE LAND SURVEYOR'S ACT
 THIS 6th DAY OF APRIL, 1998.
 BY: *Michael B. Emmons* COUNTY SURVEYOR
 MICHAEL B. EMMONS LICENSE EXPIRATION DATE: 12-31-2000
 P.L.S. NO.: 5899



SURVEYOR'S STATEMENT

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE REQUIREMENTS OF THE LAND SURVEYOR'S ACT AT THE REQUEST OF HARRIS CONSTRUCTION CO.
 IN FEBRUARY, 1998
 P.L.S. NO.: 6167 LICENSE EXPIRATION DATE: 3-31-2002



RECORD OF SURVEY

REPLACEMENT OF STATION 0006 OF THE CONTROL NETWORK ESTABLISHED FOR THE CITY OF SANTA BARBARA TOPOGRAPHIC MAPPING AND PERMANENT CONTROL PROJECT KNOWN AS THE
SANTA BARBARA CONTROL NETWORK
 SANTA BARBARA COUNTY STATE OF CALIFORNIA SCALE: NONE APRIL, 1998
Penfield & Smith ENGINEERS * SURVEYORS
 111 E. VICTORIA ST. SANTA BARBARA CALIF. 93101
 MAILING ADDRESS: P.O. BOX 98 (93102)
 SHEET 1 OF 2 SHEETS W.O. 11986.01