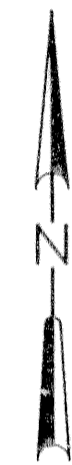
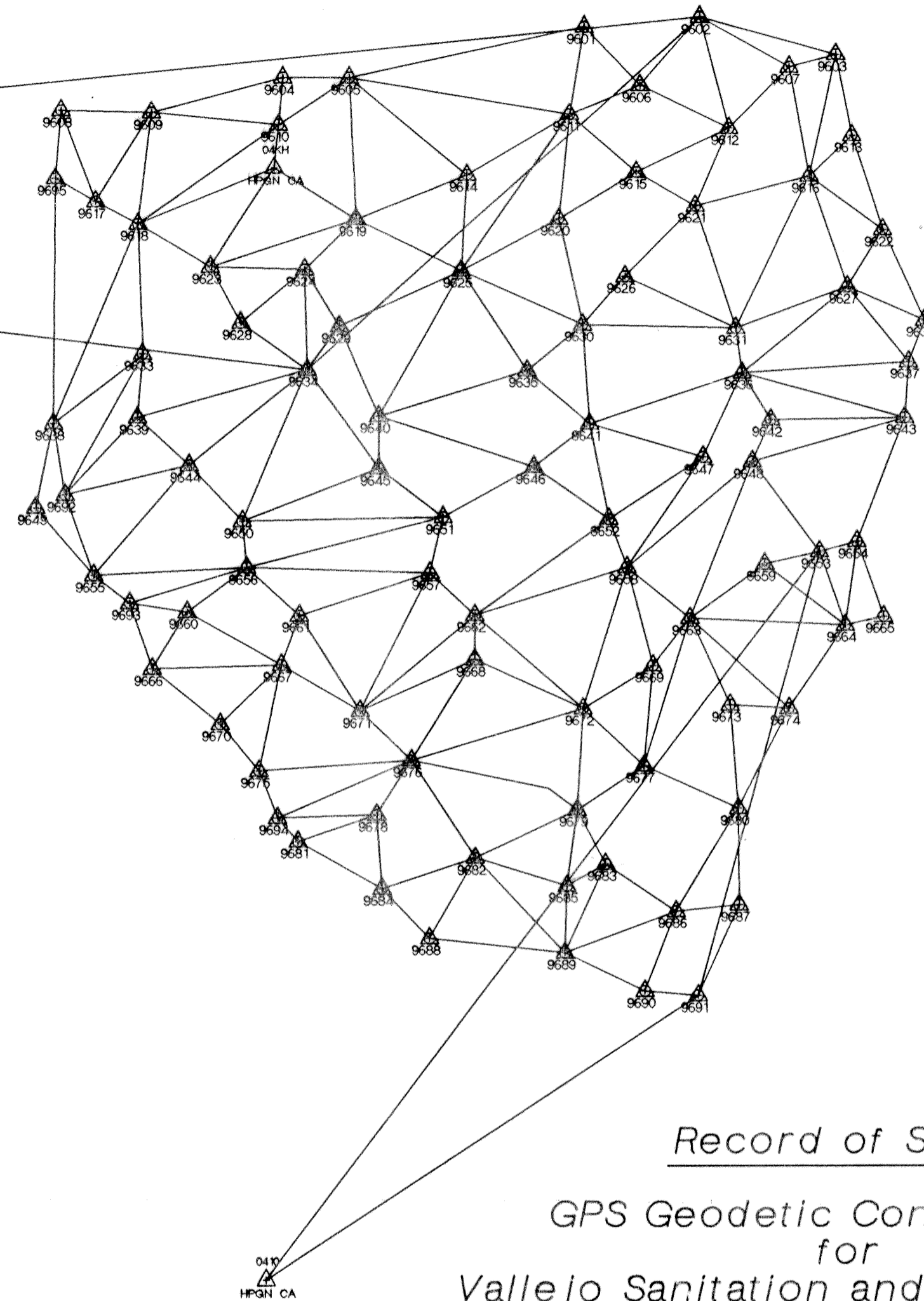


NETWORK DIAGRAM

NO SCALE

04JF
HPGN CA



Notes:

- The purpose of this survey was to provide aerial photography control for the Vallejo Digital Orthophotography Project and to preserve the network for survey control in the greater Vallejo area in coming years.
- The Global Positioning System (GPS) was used in the execution of this survey. A combination of static and fast-static data collection methods were employed, utilizing static measurements for lines in the 5-20 kilometer range, and fast-static measurements for shorter lines in the network.
- TRIMBLE 4000SSE/SSI series dual frequency receivers were used for field data collection. Data processing, network adjustments, and reductions to the California State Plane Coordinate system was accomplished with TRIMBLE GPSurvey baseline processor software and Trimnet-Plus network adjustment software.
- The horizontal component of the survey was based upon the California State Plane Coordinate System, Zone 2, NAD83 (1992), with resulting positions expressed in U.S. Survey feet. The survey was adjusted to three stations on the California High Precision Geodetic Network (CA-HPGN) and are listed as follows:
 - HPGN CA 0410 ("B" Order Horizontal Network Accuracy) - Located in easterly side of the town of Rodeo, between the I-80 R/W fence and Springwood Street.
 - HPGN D CA 04JF (First Order Horizontal Network Accuracy) - Located at the junction of State Highways 37 and 121, at Sears Point.
 - HPGN D CA 04KH (First Order Horizontal Network Accuracy) - Located in North Vallejo, on the easterly side of State Highway 29, north of Mini Drive.
- The vertical component of the survey was based upon the North American Vertical Datum of 1988 (NAVD88), with resulting elevations expressed in U.S. Survey feet. The vertical survey originated from various NAVD88 bench marks recovered along the I-80 freeway, those located on the Mare Island Naval Shipyard, and others recovered in downtown Vallejo area. Differential level runs were made to incorporate adequate vertical control into the GPS network in outlying areas, particularly into the northeasterly, easterly, and southeasterly areas of the survey coverage. Geoid heights were modeled using the GEOID93 WEST geoid model. Where available, ties were made to bench marks on the NGVD29 datum, with datum conversion computations made, for checking purposes. Following is a list of bench marks used and their approximate locations:
 - C 1394 (PID JT9525) I-80 at the American Canyon Interchange.
 - F 1394 (PID JT9528) I-80 0.7 mile north of Hwy 37/ Columbus Pkwy. Interchange.
 - G 1394 (PID JT9259) I-80 at the Hwy 37/Columbus Pkwy. Interchange.
 - U 1393 (PID JT9532) I-80 at the Tennessee Street Interchange.
 - T 1393 (PID JT9533) I-80 at the Georgia Street Interchange.
 - U 466 (PID JT0318) At Mare Island Shipyard, at building A-22B.
 - Q 1393 (PID JT9540) Hwy 37 at the North Mare Island Interchange.
 - TIDAL 8 MARE ID (JT0301) On Mare Island at west end of causeway.
 - TIDAL 4 (PID JT0308) Mare Island Shipyard, at California Ave. & 10th St.
 - R 466 (PID JT0312) At Mare Island Shipyard at Building No. 196.
 - TIDAL 9 (PID JT0328) In Vallejo, on Tennessee St. at Mare Island gate.
 - TIDAL 7 (PID JT0337) In Vallejo, on Maryland St. btwn. Marin & Sonoma.
 - TIDAL 10 (PID JT0346) In Vallejo, on 5th btwn. Winchester & Cherry Sts.
- Detailed "to reach" descriptions to the stations established in this survey can be obtained from the City of Vallejo, Public Works Department, Engineering Division, at 555 Santa Clara Street, Vallejo, California, 94590.

Record of Survey
 GPS Geodetic Control Survey
 for
 Vallejo Sanitation and Flood Control
 District
 and
 The City of Vallejo

Located in

Sections 25, 26, 27, 34, 35 & 36, T. 4 N., R. 4 W.; Sections 26, 27, 28, 29, 30, 31, 32, 33, 34, & 35, T. 4 N., R. 3 W.; Sections 1, 2, 10, 11, 12, 13, 14, 15, and Mare Island Naval Reservation, T. 3 N., R. 4 W.; Sections 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 14, 15, 16, 17, 18, 19, 20, 21, 22, 27, 28, 29, 30, 31, 32, & 33, T. 3 N., R. 3 W., Mount Diablo Meridian, Napa and Solano Counties, California.



CIVIL ENGINEERS & LAND SURVEYORS
 2525 AIRPARK DRIVE, REDDING, CALIFORNIA.

DATE: FEBRUARY 1997
 JOB No. : 137379.VS.CS
 SHEET 2 OF 3

10-1418

22 RS 24