

NOTES

- THE SURVEY WAS PERFORMED IN FEBRUARY 2003 USING TWO TRIMBLE 4800 DUAL FREQUENCY RECEIVERS AND ONE TRIMBLE 5700 DUAL FREQUENCY RECEIVER. DATA WAS COLLECTED AT 15 SECOND INTERVALS FOR A MINIMUM OBSERVATION TIME OF 15 MINUTES. BASELINES WERE PROCESSED WITH TRIMBLE GEOMATICS OFFICE, VERSION 1.50, UTILIZING THE NGS PRECISE EPHEMERIDES. NETWORK ADJUSTMENT WAS DONE WITH THE STAR*NET ADJUSTMENT SOFTWARE, VERSION 6.0.25.
- THE HORIZONTAL DATUM OF THIS SURVEY IS THE CALIFORNIA COORDINATE SYSTEM OF 1983 (CCS83), ZONE 5, EPOCH 2000.35.
- THE COORDINATES FOR THE 3 CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS) "ORES", "VAN1" AND "VNDP" WERE HELD FIXED IN THE HORIZONTAL ADJUSTMENT. (THE NGS PID'S FOR THESE CORS ARE AJ1905, AH8263 AND AH7483, RESPECTIVELY.) THE COORDINATES FOR THESE CORS WERE OBTAINED FROM THE "HECTOR MINE RESURVEY" ADJUSTMENT PERFORMED BY THE CALIFORNIA SPATIAL REFERENCE CENTER AND SANCTIONED BY THE NGS.
- THE VERTICAL DATUM OF THIS NETWORK IS THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29). AS THE PURPOSE OF THIS SURVEY WAS TO UPDATE THE HORIZONTAL POSITIONS OF THE EXISTING CITY NETWORK, THE ELEVATIONS FROM THE ORIGINAL SURVEY SHOWN IN 142 RS 82 HAVE BEEN RETAINED WHEREVER POSSIBLE. THE ELEVATIONS FOR ALL BUT THREE POINTS (19,26,27) WERE HELD FIXED IN THE VERTICAL ADJUSTMENT.
- STREETS SHOWN HEREON ARE FOR INFORMATIONAL PURPOSES ONLY. MONUMENTS ARE NOT NECESSARILY ON STREET CENTERLINES. THE POSITIONS OF MONUMENTS RELATIVE TO CENTERLINES HAVE NOT BEEN SURVEYED.
- MONUMENT DATA SHEETS ARE ON FILE WITH THE OFFICE OF THE CITY ENGINEER.
- ALL DISTANCES SHOWN HEREON ARE GRID DISTANCES. TO OBTAIN GROUND DISTANCES, DIVIDE BY THE MEAN OF THE COMBINATION FACTORS. (SEE SHEET 4)

BASIS OF BEARINGS

THE BASIS OF BEARINGS USED FOR THIS MAP IS BETWEEN VNDP AND ORES, CALCULATED AND MEASURED AS N 58°11'33" E.

RECORDER'S STATEMENT

FILED THIS 22nd DAY OF August, 2003
AT 2:40 P.M. IN BOOK 172 OF
RECORD OF SURVEYS AT PAGE 4-7
AT THE REQUEST OF
PENFIELD & SMITH - ENGINEERS * SURVEYORS
JOSEPH E. HOLLAND
COUNTY CLERK-RECORDER-ASSESSOR
SANTA BARBARA COUNTY
BY: Shen 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 20th DAY OF August, 2003.
BY: Michael B. Emmons COUNTY SURVEYOR
MICHAEL B. EMMONS
P.L.S. NO.: 5899 LICENSE EXPIRATION DATE: 12/31/04



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 THE CITY OF LOMPOC
IN FEBRUARY, 2003
JAMES P. FALLON
P.L.S. NO.: 7807 LICENSE EXPIRATION DATE: 12/31/05



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RECORD OF SURVEY

OF THE CONTROL NETWORK FOR
THE CITY OF LOMPOC
GEOGRAPHIC INFORMATION SYSTEM

SANTA BARBARA COUNTY
STATE OF CALIFORNIA
SCALE: 1" = 12000' MARCH 2003

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

SHEET 1 OF 4 SHEETS W.O. 15048.01

STATEMENT OF PURPOSE

- THE PURPOSE OF THIS SURVEY IS THREE FOLD:
- TO UPDATE THE HORIZONTAL POSITIONS OF THE EXISTING CITY NETWORK AS SHOWN ON 142 RS 82 TO CCS83, ZONE 5, EPOCH 2000.35. THIS SURVEY IS TO SUPERCEDE SAID NETWORK ESTABLISHED AND SHOWN ON 142 RS 82.
 - TO REPLACE MONUMENTS DESTROYED SINCE THE 1990 SURVEY, AS SHOWN ON 142 RS 82.
 - TO EXPAND THE CITY NETWORK BY INCLUDING NEW MONUMENTS.
- WHEREVER POSSIBLE, THE ELEVATIONS FROM THE 1990 SURVEY WERE HELD FIXED.
- LEGEND (THIS SHEET ONLY)**
- CONTINUOUSLY OPERATING REFERENCE STATION (CORS) - CONSTRAINED HORIZONTALLY
 - FOUND MONUMENT AS NOTED - SEE SHEET 4 FOR DESCRIPTION.
 - SET 2" BRASS CAP MARKED "CITY OF LOMPOC PLS 7807" AND WITH THE MONUMENT NUMBER DESIGNATED HEREON.

