

SURVEYOR'S NOTES

1. THE SURVEY WAS PERFORMED IN JANUARY AND FEBRUARY 2005 USING TWO TRIMBLE 4800 DUAL FREQUENCY RECEIVERS, ONE TRIMBLE 5800 DUAL FREQUENCY RECEIVER, 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 1.62. NETWORK ADJUSTMENT WAS DONE WITH THE STAR*NET ADJUSTMENT SOFTWARE, VERSION 6.0.29.
2. 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.
3. THE COORDINATES FOR THE 3 CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS) "UCSB", "COPR", AND "RCA2" WERE HELD FIXED IN THE NETWORK ADJUSTMENT. THE NGS SANCTIONED COORDINATES FOR THESE CORS WERE OBTAINED FROM THE CALIFORNIA SPATIAL REFERENCE CENTER WEBSITE LOCATED AT <http://csrc.ucsd.edu/>
4. THE ELEVATIONS OF ALL STATIONS IN THE NETWORK WERE DETERMINED FROM DATA COLLECTED IN A CONVENTIONAL DIFFERENTIAL (SPIRIT) LEVELING SURVEY PERFORMED IN JANUARY AND FEBRUARY 2005.
5. THE ELEVATION OF ASCN3 (STATION 19 OF THIS SURVEY) WAS HELD FIXED IN THE NETWORK ADJUSTMENT. THE ELEVATION FOR THIS STATION WAS OBTAINED FROM THE AIRPORT SURVEY CONTROL NETWORK AS SHOWN ON THE MAP FILED IN BOOK 170, PAGE 63 OF RECORD OF SURVEYS.
6. 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.
7. THE EXISTING MAPPING CONTROL POINTS LISTED ON SHEET 3 WERE SET IN NOVEMBER 2000 BY PENFIELD & SMITH IN CONNECTION WITH A CAMPUS WIDE AERIAL MAPPING PROJECT, AND HAVE BEEN ACCEPTED AS THE PERPETUATION OF THE UCSB CAMPUS GRID SYSTEM. (SEE STATEMENT OF PURPOSE NOTE 2.)

LEGEND

- CONTINUOUSLY OPERATING REFERENCE STATION (CORS). SEE SHEET 4 FOR DESCRIPTION.
- FOUND OR SET MONUMENT AS NOTED. SEE SHEET 3 FOR DESCRIPTION.
- SET 2" BRASS CAP MARKED "UCSB STATION PLS 6167 PLS 7807" AND WITH THE STATION NUMBER AS DESIGNATED HEREON. SEE SHEET 3 FOR DESCRIPTION.

MC40 MAPPING CONTROL STATION SET FOR NOVEMBER 2000 CAMPUS WIDE AERIAL MAPPING PROJECT.

STATEMENT OF PURPOSE

1. TO CREATE AN ACCESSIBLE PUBLIC RECORD OF THE POSITION OF A BASIC NETWORK OF CONTROL STATIONS REFERENCED TO THE "UCSB CAMPUS GRID SYSTEM" WHICH IS BASED ON ASSUMED HORIZONTAL AND VERTICAL DATUMS. THE SURVEY WILL ALSO PUBLISH THE HORIZONTAL POSITIONS OF THE NETWORK STATIONS REFERENCED TO THE CCS83 ZONE 5 GRID, AND THE VERTICAL POSITIONS (ELEVATIONS) OF THE NETWORK STATIONS REFERENCED TO THE NAVD88 DATUM.
2. TO REPLACE A SYSTEM OF EXISTING, NON-DURABLE, MAPPING CONTROL POINT MONUMENTS WITH A SYSTEM OF PERMANENT, NUMBERED, IDENTIFIABLE MONUMENTS IN ORDER TO EXTEND THE LIFE OF THE UCSB CAMPUS GRID SYSTEM. (SEE SURVEYOR'S NOTE 7.)

BASIS OF BEARINGS

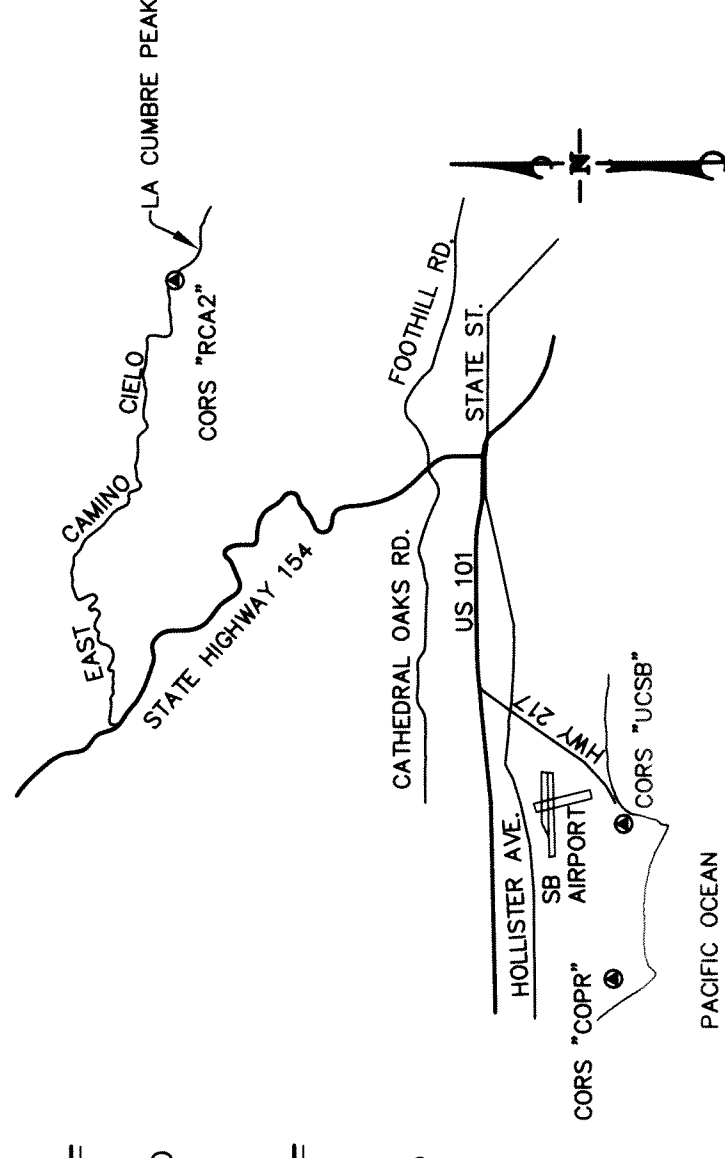
THE HORIZONTAL DATUM OF THE NETWORK IS THE NORTH AMERICAN DATUM OF 1983 (NAD83), EPOCH 2004.00, DEFINED LOCALLY BY THREE CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS) "COPR", "RCA2", AND "UCSB", OPERATED AND MAINTAINED BY THE CALIFORNIA SPATIAL REFERENCE CENTER (CSRC).

DATUM NOTES

1. ALL LATITUDES AND LONGITUDES LISTED HEREON ARE EXPRESSED IN DEGREES, MINUTES AND SECONDS (DMS).
2. ALL COORDINATES LISTED HEREON ARE REFERENCED TO THE CALIFORNIA COORDINATE SYSTEM, NAD83 (CCS83), ZONE 5 GRID AND ARE EXPRESSED IN UNITED STATES SURVEY FEET (USSF) UNITS.
3. THE VERTICAL DATUM OF THE NETWORK IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), DEFINED LOCALLY BY THE AIRPORT SURVEY CONTROL NETWORK AS SHOWN ON THE MAP FILED IN BOOK 170, PAGE 63 OF RECORD OF SURVEYS.
4. ALL ELEVATIONS LISTED HEREON ARE EXPRESSED IN UNITED STATES SURVEY FEET (USSF) UNITS.
5. THE COMBINED FACTOR LISTED FOR EACH STATION IS THE PRODUCT OF THE ELEVATION REDUCTION FACTOR TIMES THE CCS83 SCALE FACTOR. ELEVATION FACTORS WERE COMPUTED USING A VALUE OF 20,906,000 FEET AS THE RADIUS OF CURVATURE OF THE EARTH AND THE GEOID HEIGHT AT EACH STATION.
6. THE GEOID HEIGHTS USED TO COMPUTE THE ELEVATION REDUCTION FACTOR AT EACH STATION HAVE BEEN INTERPOLATED FROM THE NATIONAL GEODETIC SURVEY GEOID03 GEOID MODEL.

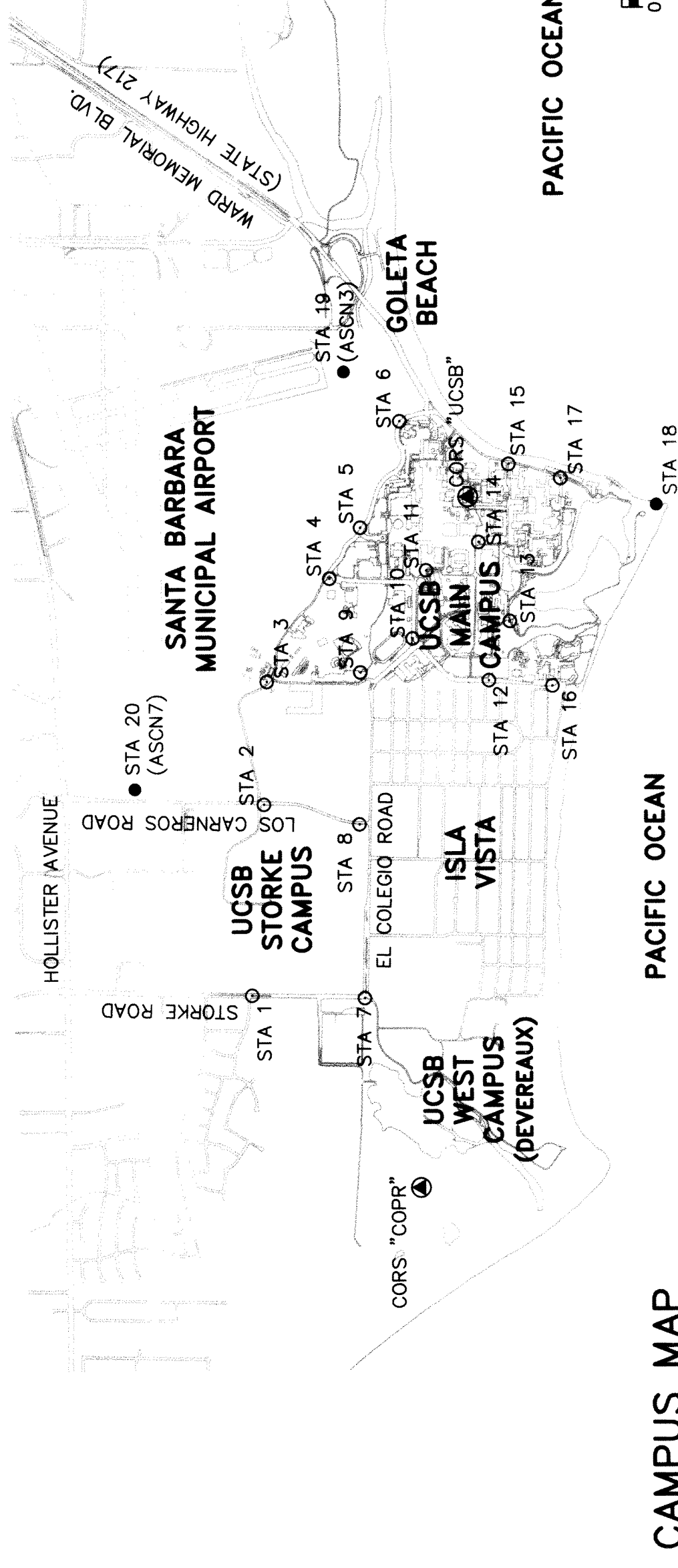
CONTROL SCHEME

PURSUANT TO SECTION 8771.5 OF THE PROFESSIONAL LAND SURVEYORS ACT, A SURVEY REPORT CONTAINING MAPS AND A DATA ADJUSTMENT SUMMARY SHOWING THE CONTROL SCHEME THROUGH WHICH COORDINATES WERE DETERMINED FROM POINTS OF KNOWN COORDINATES IS ON FILE IN THE COUNTY SURVEYORS OFFICE.



REGIONAL MAP

NOT TO SCALE



CAMPUS MAP

SCALE: 1 inch = 12,000 Feet
0 12,000 24,000 36,000

RECORDER'S STATEMENT

FEE \$ 14.00
FILED THIS 3 DAY OF October, 2008.
AT 11:51 AM, IN BOOK 175 OF
RECORD OF SURVEYS AT PAGE 87-90

AT THE REQUEST OF
PENFIELD & SMITH ENGINEERS, INC.
JOSEPH E. HOLLAND
COUNTY CLERK-RECORDER-ASSESSOR
COUNTY OF SANTA BARBARA.

BY: Lucille Cox DEPUTY COUNTY RECORDER

COUNTY SURVEYOR'S STATEMENT

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH SECTION 8766 OF THE LAND SURVEYOR'S ACT

THIS 15 DAY OF October, 2008.

BY: Michael Emmons
MICHAEL EMMONS, COUNTY SURVEYOR.

P.L.S. NO. 5899 LICENSE EXPIRATION DATE: 12/31/2010

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 UNIVERSITY OF CALIFORNIA SANTA BARBARA IN JANUARY 2005.

Justin P. Height
JUSTIN P. HEIGHT PLS 6167
LICENSE EXPIRATION DATE: 3-31-2010



RECORD OF SURVEY

OF A CONTROL NETWORK
ESTABLISHED FOR THE
UNIVERSITY OF CALIFORNIA SANTA BARBARA
AND KNOWN AS
THE UCSB CAMPUS GRID SYSTEM
COUNTY OF SANTA BARBARA
STATE OF CALIFORNIA

SCALE: 1" = 12,000' JANUARY 2005



Engineering - Surveying - Planning
Construction Management

111 East Victoria Street, Santa Barbara, CA 93101
Phone: (805) 963-9532 Fax: (805) 966-9801

SHEET 1 OF 4 SHEETS W.O. 16158.01

BK 175 PG 87

073-150-001
RS6384