GOLETA-NAPLES CONTROL NETWORK

PERFORMED A SURVEY IN SANTA BARBARA COUNTY IN AUGUST 2000. THIS SURVEY UTILIZED THE GLOBAL POSITIONING SYSTEM (GPS) TO DETERMINE THE POSITIONS OF 9 POINTS RELATIVE TO THE HIGH PRECISION DIGITAL NETWORK (HPDN) FOR THE PURPOSE OF PUBLISHING THE SITE PLAN COORDINATES. THIS SURVEY CONFIRMS THE REQUIREMENTS OF THE CALIFORNIA PUBLIC RESOURCES CODE WHICH IS A PART OF THE 1983 SANTA BARBARA STATE PLANE COORDINATES. THE SURVEY WAS BASED ON THE FIRST ORDER GEODETIC CONTROL REFERENCED TO THE CALIFORNIA SPATIAL REFERENCE SYSTEM AS DEFINED THEREIN.

PROJECT DATUMS & REFERENCE SYSTEMS: Horizontal positions and ellipsoid heights are referenced to the North American Datum of 1983 (NAD83) and 1992 (NAD92) epochs of the ITRF93. The HPDN is published by the National Geodetic Survey (NGS). The North American Datum of 1983 (NAD83) is referenced to the North American Datum of 1927 (NAD27). The NAD83 and NAD92 are defined by control points on the HPDN that are referenced to the ITRF93. The ITRF93 is the International Terrestrial Reference Frame. The ellipsoidal heights are referenced to the North American Vertical Datum of 1988 (NAVD88) which is defined by the mean sea level at the St. Lawrence River mouth as the zero datum. The survey was performed using the HPDN and the NAVD88.

FIELD SURVEYS: The field surveys were conducted on August 13 and 16, 2000 under clear skies and warm temperatures. A receiver was set at 8900 ft as a base station while moving receivers occupied all points in the survey. The base receiver was moved to 8900 ft and 8900 ft were occupied a second time under different weather conditions. On August 13, 195, 195, 195, and 195 were occupied a third time in pairs to obtain direct connections. The field department performed all observations. The receiver was set at 8900 ft as a base station while moving receivers occupied all points in the survey. The base receiver was moved to 8900 ft and 8900 ft were occupied a second time under different weather conditions. On August 13, 195, 195, 195, and 195 were occupied a third time in pairs to obtain direct connections. The field department performed all observations.

DATA COLLECTION & POST-PROCESSING OF DATA: The three Leica System 300 Dual Frequency P-over-C receivers were recovered using a vessel and processed on-site using the Leica-SU2 software. The data was processed using the Leica-SU2 software and processed using the Leica-SU2 software. The data was processed using the Leica-SU2 software and processed using the Leica-SU2 software. The data was processed using the Leica-SU2 software and processed using the Leica-SU2 software.

PROJECT ADJUSTMENTS: The residuals were adjusted using the HPDN as a constraint. The residuals were adjusted using the HPDN as a constraint. The residuals were adjusted using the HPDN as a constraint. The residuals were adjusted using the HPDN as a constraint.

ACCURACY: The standard deviation of the horizontal coordinates resulting from the constrained adjustment is estimated at 0.02 to 0.04 ft relative to the HPDN. The HPDN is defined by the mean sea level at the St. Lawrence River mouth as the zero datum. The survey was performed using the HPDN and the mean sea level at the St. Lawrence River mouth as the zero datum. The survey was performed using the HPDN and the mean sea level at the St. Lawrence River mouth as the zero datum. The survey was performed using the HPDN and the mean sea level at the St. Lawrence River mouth as the zero datum.