

HORIZONTAL CONTROL DATA

State Plane in International Feet, Elevations in U.S. Survey Feet
 Retrieval Date and Time: 08/19/1999 08:27:14

Station Number: 513
 Station Name: WCAM
 Section: 31 Township: 29 Range: 8
 1/4 Section: NW County: DOUGLAS
 Date Set: 01/01/1989 State: OR
 Firm: David Evans and Associates, Inc.

GEODETIC DATUM: NAD 83/91
 LAT.: 43°00' 36.90874" N
 LONG: 123°41' 58.63514" W
 SPCS DATUM: ORS3602
 Northing: 506005.450+/-0.039
 Easting: 4065725.558+/-0.039

Addr: 2828 S.W. Corbett
 Portland, Oregon 97201-4830
 (503) 223-6663

VERTICAL DATUM: NAVD88
 GEOID MODEL: GEO96NW
 Orthometric Elev.: 1071.712
 +/-0.098
 Ellipsoidal Elev.: 992.784
 Separation: -78.928
 Convergence: -2°11'20.44383"
 Scale Factor: 0.99989841

GPS: YES Type:
 Group: B Order: B
 PPM: 1

Statement per ORS 209.250(6)(g)
 Survey was done for Bonneville Power for a proposed line. Equipment used includes Kern tripods, Trimble 4000ssi's 4800's, GPSurvey and Geolab2. Horizontal controls are PID's PC0964, AA5135, QE2665, OA0733, AA5127, PC1116, AA5126, PC1117, vertical controls are PID's AA5127, OA0733, OA0660, OA0616, PC0512, PC0419, PC0689, PC0738, PC0591 and OSHD Benchmarks Y596, M675, J675.

Directions to the Monument:
 FROM CAMAS VALLEY (25 MILES SOUTH OF ROSEBURG) GO SOUTHWESTERLY ON HIGHWAY 42 FOR 2.1 MILES TO THE STATION ON THE RIGHT, 0.1 MILE PAST MILEPOST 54. SEE NGS PID NUMBER PC1118.

Monument Type: 4"DIAM ODOT NGS OREGON PRIMARY BRASS CAP IN CONC.

Stamping: WCAM 1989

Description of the Monument:
 STATION IS LOCATED 12 FEET NORTH OF NORTH EDGE OF PAVEMENT 230 FEET EASTERLY OF A CULVERT AND 280 FEET WEST OF MILEPOST 54.



6-30-2001
 SURVEYOR'S STAMP

1 meter = 3.28083333... U.S. Feet = 39.37 inches exactly
 1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54 cm. exactly
 To calculate Elevation Factor (in the North American Continent)
 Divide 20,906,000 by 20,906,000 + Ellipsoid Elevation in feet