

## HORIZONTAL CONTROL DATA

State Plane in International Feet, Elevations in U.S. Survey Feet  
 Retrieval Date and Time: 08/19/1999 08:27:12

Station Number: 511	GEODETTIC DATUM: NAD 83/91
Station Name: CURTIN	LAT.: 43°43' 17.83903" N
Section: 19 Township: 21S Range: 4W	LONG: 123°12' 28.43338" W
1/4 Section: SE County: DOUGLAS	SPCS DATUM: ORS3602
Date Set: 07/09/1999 State: OR	Northing: 760503.205+/-0.023
Firm: David Evans and Associates, Inc.	Easting: 4205537.207+/-0.020
Addr: 2828 S.W. Corbett	VERTICAL DATUM: NAVD88
Portland, Oregon 97201-4830	GEOID MODEL: GEO96NW
(503) 223-6663	Orthometric Elev.: 400.619
GPS: YES Type:	+/-0.000
Group: C Order: 1	Ellipsoidal Elev.: 325.380
PPM: 10	Separation: -75.239
	Convergence: -1°51'9.364971"
	Scale Factor: 0.99994116

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 EXIT 163 NORTHBOUND ON I-5 FOLLOW AROUND TO JUST BEFORE UNDERPASS AND STATION ON THE RIGHT.

Monument Type: 3 1/4 inch Aluminum BPA cap on Aluminum rod

Stamping: CURTIN 1999

Description of the Monument:

STATION IS A BPA CONTROL MONUMENT ON TOP OF AN ALUMINUM ROD SET FLUSH WITH THE GROUND. A CARSONITE WITNESS POST BEARS NORTH 4.3 FEET, STATION IS 15 FEET NORTH OF NORTH EDGE OF PAVEMENT, NGS BENCHMARK U 738 (PID0725) BEARS S 78° W.



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.

C.S. File No. 65/31-50