

FILED JUL 5 2000

HORIZONTAL CONTROL DATA

State Plane in International Feet, Elevations in U.S. Survey Feet  
Retrieval Date and Time: 08/19/1999 08:27:01

Station Number: 162	GEODETIC DATUM: NAD 83/91
Station Name: SHADY	LAT.: 43°10' 22.66131" N
Section: 35 Township: 27S Range: 6W	LONG: 123°22' 08.27184" W
1/4 Section: SE County: DOUGLAS	SPCS DATUM: ORS3602
Date Set: 05/19/1999 State: OR	Northing: 562065.821+/-0.010
Firm: David Evans and Associates, Inc.	Easting: 4156132.941+/-0.010
Addr: 2828 S.W. Corbett	VERTICAL DATUM: NAVD88
Portland, Oregon 97201-4830	GEOID MODEL: GEO96NW
(503) 223-6663	Orthometric Elev.: 507.174
	+/-0.000
	Ellipsoidal Elev.: 429.492
GPS: YES Type:	Separation: -77.682
Group: C Order: 1	Convergence: -1°57'46.05992"
PPM: 10	Scale Factor: 0.99989461

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:  
 I-5 SOUTH EXIT 121 GO LEFT UNDER FREEWAY, TURN RIGHT ON FRONTAGE ROAD THEN FRONTAGE ROAD TURNS INTO GRAVEL ROAD AT MISTLE TOE RANCH. FOLLOW GRAVEL ROAD TO "T" TURN RIGHT TOWARDS I-5. SHADY IS LOCATED PAST 2<sup>ND</sup> GATE ON RIGHT.

Monument Type: 3 1/4 inch Aluminum BPA cap on Aluminum rod  
 Stamping: SHADY 1999  
 Description of the Monument:  
 STATION IS A STANDARD BPA ALUMINUM CAP MOUNTED ON A ROD DRIVEN TO REFUSAL AND SET IN CONCRETE.  
 STATION IS LOCATED EAST OF I-5 IN A SMALL MEADOW, OPPOSITE A SMALL TUNNEL UNDER I-5, A CARSONITE WITNESS POST IN A FENCE LINE BEARS N 12° W 33.3 FT., THE NORTH WOODEN GATE POST BEARS S 39° E 11 FEET.



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. 65/31-21