

CANYONVILLE-TRAIL HIGHWAY OR PFH 16-1 (5) RIGHT-OF-WAY MONUMENTATION DOUGLAS COUNTY ROUTE 1

FILED
Date: 9-5-2006 By: JC
This survey consists of:
Map: CO. RD. # 1
Neighboring:
Corner Ref: 5795
DOUGLAS COUNTY
SURVEYOR

LOCATED IN THE NORTH HALF OF SECTION 25 IN TOWNSHIP 30 SOUTH, RANGE 3 WEST
OF THE WILLAMETTE MERIDIAN IN DOUGLAS COUNTY, OREGON

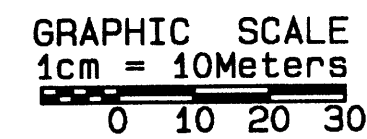
RIGHT-OF-WAY MONUMENT TABLE

POINT NO	ROW STATION	OFFSET LEFT	OFFSET RIGHT	NORTHING	EASTING
118	30+366.626	-42.000		144975.712	1295054.631
162	30+366.626		20.000	144938.767	1295104.422
119	30+414.616	-26.000		145004.495	1295093.144
163	30+414.616		22.000	144978.725	1295133.639
120	30+418.569	-25.000		145007.293	1295096.110
164	30+418.569		24.000	144980.966	1295137.449
121	30+440.000	-17.000		145021.225	1295114.579
165	30+440.000		38.000	144998.852	1295165.769
122	30+466.559	-17.000		145043.848	1295130.243
166	30+466.559		38.000	145011.120	1295174.446
123	30+520.000	-24.000		145091.136	1295162.128
167	30+520.000		38.000	145046.898	1295205.567
124	30+560.000	-32.000		145125.602	1295189.479
168	30+560.000		36.000	145071.826	1295231.098
169	30+600.000		35.000	145092.861	1295260.088
125	30+640.000	-32.000		145170.575	1295264.335
170	30+640.000		33.000	145111.314	1295291.039
126	30+700.000	-20.000		145180.501	1295329.183
171	30+730.000		26.000	145141.474	1295367.554
127	30+760.000	-20.000		145190.525	1295391.833
172	30+780.000		26.000	145145.398	1295413.522
128	30+800.000	-17.000		145188.019	1295434.017
129	30+820.000		22.000	145147.630	1295450.824
173	30+820.000		22.000	145131.070	1295523.615
174	30+900.000			145160.212	1295556.241
129	30+920.000	-17.000		145120.089	1295559.823
175	30+940.000		18.000	145158.992	1295603.772
130	30+960.000	-37.000		145151.647	1295625.433
131	30+980.000	-42.000		145105.076	1295676.468
132	31+041.823	-37.000		145065.152	1295638.638
176	31+041.823		18.000	145078.000	1295709.111
133	31+080.000	-42.000		145018.807	1295669.381
177	31+100.000		26.333		

LEGEND

- △ SET 5/8" X 30" REBAR @ ROW MONUMENT STATION & OFFSET WITH ALUMINUM CAP STAMPED: DOUGLAS CO RD DPT R-W
- SET 5/8" X 30" REBAR AS REFERENCE POINT TO ROW WITH ALUMINUM CAP STAMPED: DOUGLAS CO RD DPT R P
- POB POINT OF BEGINNING
- TS POINT OF TANGENT TO SPIRAL
- SC POINT OF SPIRAL TO CURVE
- CS POINT OF CURVE TO SPIRAL
- ST POINT OF SPIRAL TO TANGENT
- D DELTA OR ANGLE OF ALIGNMENT
- Dc DELTA OR CENTRAL ANGLE OF CURVE
- R RADIUS
- Ts TANGENT DISTANCE TO POINT OF INTERSECTION
- L LENGTH OF CURVE
- Sd DELTA OR CENTRAL ANGLE OF SPIRAL
- LS LENGTH OF SPIRAL
- RT RIGHT
- LT LEFT
- POT POINT OF TANGENT (END OF RIGHT-OF-WAY ALIGNMENT)
- RIGHT-OF-WAY CENTERLINE
- ~~~~~ SOUTH UMPQUA RIVER BANK PER FHWA MAP

SCALE = 1: 1000 (METRIC)

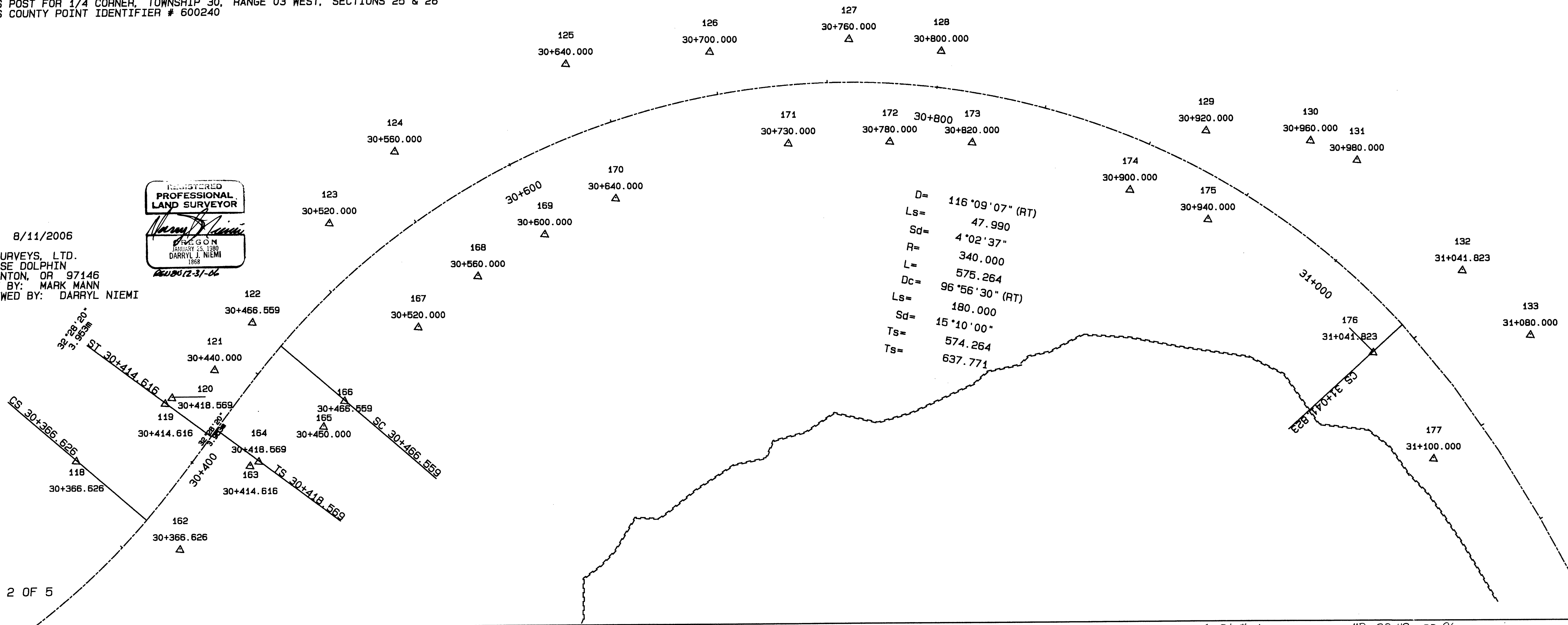
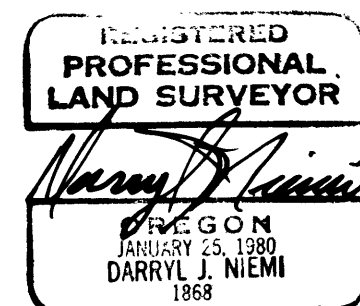


NARRATIVE:

THE PURPOSE OF THIS SURVEY WAS TO SET RIGHT-OF-WAY MONUMENTS AT THE DISTANCE AND OFFSET INDICATED IN THE RIGHT-OF-WAY MONUMENT TABLE. 5/8" X 30" REBAR WERE SET WITH ALUMINUM CAPS PROVIDED BY DOUGLAS COUNTY AND STAMPED: DOUGLAS COUNTY RD DPT R-W. ALL MONUMENTS WERE SET AT STATIONS AND OFFSETS INDICATED IN THE MONUMENT TABLE. EXCEPT WHERE OBSTRUCTIONS OR VICINITY TO HIGH WATER RESULTED IN INEFFECTIVE LOCATIONS. AT THESE LOCATIONS REFERENCE POINTS WERE SET AT THE STATIONS AND OFFSETS INDICATED IN THE R-O-W REFERENCE POINT (RP) CONTROL TABLE. RPs WERE SET ON 5/8" X 30" REBAR WITH ALUMINUM CAPS PROVIDED BY DOUGLAS COUNTY AND STAMPED: DOUGLAS COUNTY RD DEPT RP. SURVEY CONTROL AND RIGHT-OF-WAY DATA WAS PROVIDED BY FEDERAL HIGHWAY ADMINISTRATION, WESTERN FEDERAL LANDS HIGHWAY DIVISION WITH COORDINATE SYSTEM AND BEARINGS USING A PROJECT DATUM. SURVEY TIED TO WITNESS POST FOR 1/4 CORNER, TOWNSHIP 30, RANGE 03 WEST, SECTIONS 25 & 26 DOUGLAS COUNTY POINT IDENTIFIER # 600240

DATE: 8/11/2006

B&D SURVEYS, LTD.
2165 SE DOLPHIN
WARRENTON, OR 97146
DRAWN BY: MARK MANN
REVIEWED BY: DARRYL NIEMI



SHEET 2 OF 5

Co. Rd. # 1

MP 22.49 - 22.96

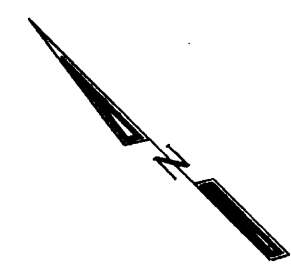
CO. RD # 1

22492296

CANYONVILLE-TRAIL HIGHWAY OR PFH 16-1 (5) RIGHT-OF-WAY MONUMENTATION DOUGLAS COUNTY ROUTE 1

FILED
Date: 8-5-2006 By: JC
This survey consists of:
Map: Co. Rd. # 1
Narrative:
Corner Rpt: 5 1/2
DOUGLAS COUNTY
SURVEYOR

LOCATED IN THE EAST HALF OF SECTION 25 IN TOWNSHIP 30 SOUTH, RANGE 3 WEST
AND THE NORTHWEST CORNER OF SECTION 30 IN TOWNSHIP 30 SOUTH, RANGE 2 WEST
OF THE WILLAMETTE MERIDIAN IN DOUGLAS COUNTY, OREGON



SCALE = 1:1000 (METRIC)

GRAPHIC SCALE
1cm = 10Meters
0 10 20 30

NARRATIVE:

THE PURPOSE OF THIS SURVEY WAS TO SET RIGHT-OF-WAY MONUMENTS AT THE DISTANCE AND OFFSET INDICATED IN THE RIGHT-OF-WAY MONUMENT TABLE. 5/8" X 30" REBAR WERE SET WITH ALUMINUM CAPS PROVIDED BY DOUGLAS COUNTY AND STAMPED: DOUGLAS COUNTY RD DPT R-W. ALL MONUMENTS WERE SET AT STATIONS AND OFFSETS INDICATED IN THE MONUMENT TABLE, EXCEPT WHERE OBSTRUCTIONS OR VICINITY TO HIGH WATER RESULTED IN INEFFECTIVE LOCATIONS. AT THESE LOCATIONS REFERENCE POINTS WERE SET AT THE STATIONS AND OFFSETS INDICATED IN THE R-O-W REFERENCE POINT (RP) CONTROL TABLE. RPs WERE SET ON 5/8" X 30" REBAR WITH ALUMINUM CAPS PROVIDED BY DOUGLAS COUNTY AND STAMPED: DOUGLAS COUNTY RD DEPT RP. SURVEY CONTROL AND RIGHT-OF-WAY DATA WAS PROVIDED BY FEDERAL HIGHWAY ADMINISTRATION, WESTERN FEDERAL LANDS HIGHWAY DIVISION WITH COORDINATE SYSTEM AND BEARINGS USING A PROJECT DATUM. SURVEY TIED TO WITNESS POST FOR 1/4 CORNER, TOWNSHIP 30, RANGE 03 WEST, SECTIONS 25 & 26 DOUGLAS COUNTY POINT IDENTIFIER # 600240

RIGHT-OF-WAY MONUMENT TABLE

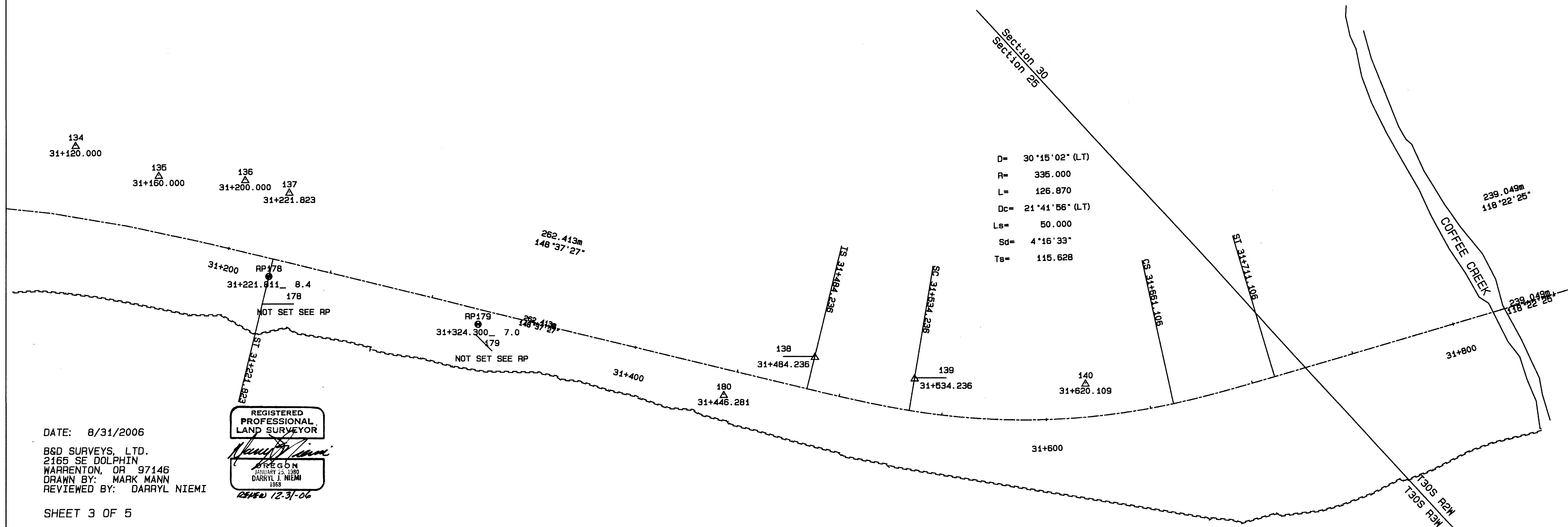
POINT NO	ROW STATION	OFFSET LEFT	OFFSET RIGHT	NORTHING	EASTING
134	31+120.000	-34.000		145039.310	1295729.571
135	31+160.000	-27.000		145001.053	1295747.441
136	31+200.000	-34.000		144970.273	1295775.147
137	31+221.823	-33.000		144951.022	1295785.748
178	31+221.823		22.047	144922.362	1295738.751
179	31+324.300		12.000	144840.101	1295800.683
180	31+446.281		12.000	144735.957	1295864.193
138	31+484.236	-16.000		144718.131	1295907.860
139	31+534.236	-16.000		144677.109	1295934.280
140	31+620.109	-16.418		144617.786	1295990.158

LEGEND

- △ SET 5/8" X 30" REBAR @ ROW MONUMENT STATION & OFFSET WITH ALUMINUM CAP STAMPED: DOUGLAS CO RD DPT R-W
- SET 5/8" X 30" REBAR AS REFERENCE POINT TO ROW WITH ALUMINUM CAP STAMPED: DOUGLAS CO RD DPT R P
- POB POINT OF BEGINNING
- TS POINT OF TANGENT TO SPIRAL
- SC POINT OF SPIRAL TO CURVE
- CS POINT OF CURVE TO SPIRAL
- ST POINT OF SPIRAL TO TANGENT
- D DELTA OR ANGLE OF ALIGNMENT
- Dc DELTA OR CENTRAL ANGLE OF CURVE
- R RADIUS
- Ts TANGENT DISTANCE TO POINT OF INTERSECTION
- L LENGTH OF CURVE
- Sd DELTA OR CENTRAL ANGLE OF SPIRAL
- Ls LENGTH OF SPIRAL
- RT RIGHT
- LT LEFT
- POT POINT OF TANGENT (END OF RIGHT-OF-WAY ALIGNMENT)
- RIGHT-OF-WAY CENTERLINE
- SOUTH UMPQUA RIVER BANK PER FHWA MAP

REFERENCE POINT TO R-O-W MONUMENT TABLE

POINT NO.	NORTHING	EASTING	ELEV	STATION & OFFSET TO R-W	OFFSET TO R-W
RP178	144929.428	1295750.315	294.162	31+221.823_ 8.495	13.55
RP179	144842.704	1295804.951	291.019	31+324.300_ 7.000	5.00



DATE: 8/31/2006
B&D SURVEYS, LTD.
2165 SE DOLPHIN
WARRENTON, OR 97146
DRAWN BY: MARK MANN
REVIEWED BY: DARRYL NIEMI

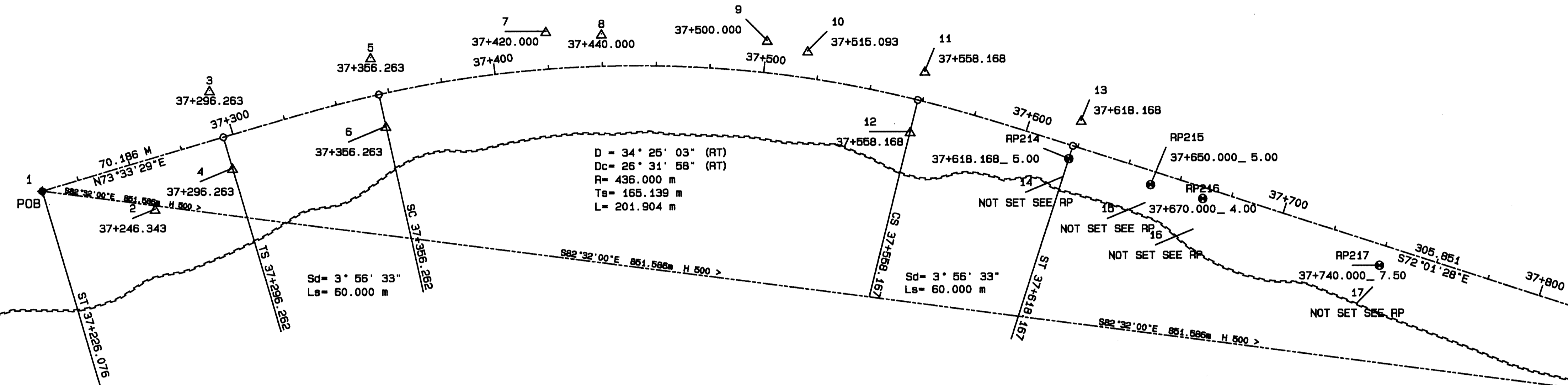
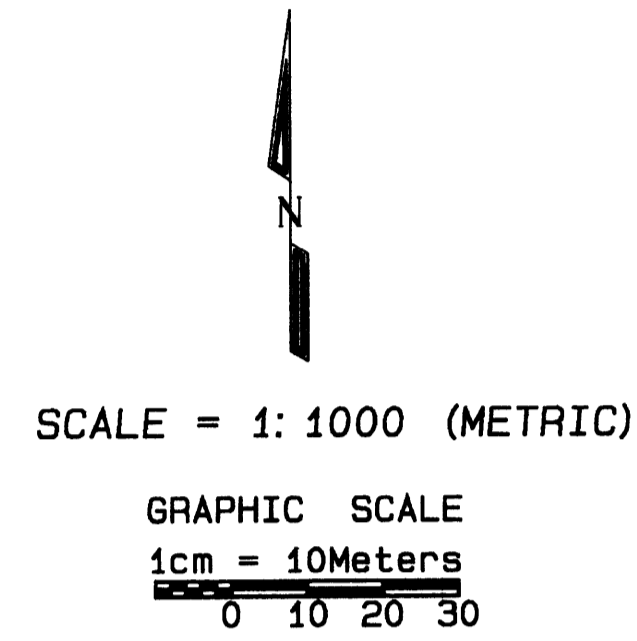
REGISTERED
PROFESSIONAL
LAND SURVEYOR
Darryl Niemi
OREGON
JANUARY 25, 1990
DARRYL NIEMI
1988
RHN 12-31-06

22962340

CANYONVILLE-TRAIL HIGHWAY OR PFH 16-1 (5) RIGHT-OF-WAY MONUMENTATION DOUGLAS COUNTY ROUTE 1

FILED
Date: 9-5-2006 By: JC
This survey consists of:
Map: Co. RD. #1
Narrative:
Corner File: 5995
DOUGLAS COUNTY
SURVEYOR

LOCATED IN THE NORTH HALF OF SECTION 32 AND THE NORTH HALF OF SECTION 33
IN TOWNSHIP 30 SOUTH, RANGE 2 WEST OF THE WILLAMETTE MERIDIAN
DOUGLAS COUNTY, OREGON



RIGHT-OF-WAY MONUMENT TABLE

POINT NO	ROW STATION	OFFSET		NORTHING	EASTING
		LEFT	RIGHT		
1	37+226.076	0.000	POB	143231.937	1298958.129
2	37+264.343		18.304	143225.213	1299000.012
3	37+296.263	-18.000		143269.067	1299020.361
4	37+296.263		12.000	143240.294	1299028.842
5	37+356.263	-14.000		143281.126	1299080.324
6	37+356.263		12.000	143255.743	1299085.952
7	37+420.000	-14.000		143290.627	1299145.359
8	37+440.000	-12.000		143289.639	1299166.027
9	37+500.000	-12.000		143287.009	1299227.573
10	37+515.093	-10.000		143283.038	1299242.661
11	37+558.168	-11.000		143275.451	1299286.110
12	37+558.168		12.000	143253.137	1299280.532
13	37+618.168	-10.000		143257.092	1299343.997
14	37+618.168		12.000	143236.165	1299337.208
15	37+650.000		12.000	143226.342	1299367.486
16	37+670.000		16.000	143216.365	1299385.275
17	37+740.000		16.000	143194.762	1299451.858

LEGEND

- △ SET 5/8" X 30" REBAR @ ROW MONUMENT STATION & OFFSET WITH ALUMINUM CAP STAMPED: DOUGLAS CO RD DPT R-W
- SET 5/8" X 30" REBAR AS REFERENCE POINT TO ROW WITH ALUMINUM CAP STAMPED: DOUGLAS CO RD DPT R P
- ◆ POB POINT OF BEGINNING
- TS POINT OF TANGENT TO SPIRAL
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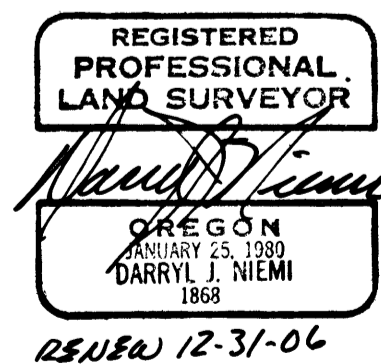
REFERENCE POINT TO R-O-W MONUMENT TABLE

POINT NO.	NORTHING	EASTING	ELEV	STATION & OFFSET	TO R-W
RP214	143242.823	1299339.369	308.216	37+618.168_ 5.00	7.00
RP215	143233.000	1299369.650	308.152	37+650.000_ 5.00	7.00
RP216	143227.780	1299388.979	308.761	37+670.000_ 4.00	12.00
RP217	143202.847	1299454.481	308.215	37+740.000_ 7.50	8.50

NARRATIVE:
THE PURPOSE OF THIS SURVEY WAS TO SET RIGHT-OF-WAY MONUMENTS AT THE DISTANCE AND OFFSET INDICATED IN THE RIGHT-OF-WAY MONUMENT TABLE. 5/8" X 30" REBAR WERE SET WITH ALUMINUM CAPS PROVIDED BY DOUGLAS COUNTY AND STAMPED: DOUGLAS COUNTY RD DPT R-W. ALL MONUMENTS WERE SET AT STATIONS AND OFFSETS INDICATED IN THE MONUMENT TABLE, EXCEPT WHERE OBSTRUCTIONS OR VICINITY TO HIGH WATER RESULTED IN INEFFECTIVE LOCATIONS. AT THESE LOCATIONS REFERENCE POINTS WERE SET AT THE STATIONS AND OFFSETS INDICATED IN THE R-O-W REFERENCE POINT (RP) CONTROL TABLE. RPs WERE SET ON 5/8" X 30" REBAR WITH ALUMINUM CAPS PROVIDED BY DOUGLAS COUNTY AND STAMPED: DOUGLAS COUNTY RD DEPT RP. SURVEY CONTROL AND RIGHT-OF-WAY DATA WAS PROVIDED BY FEDERAL HIGHWAY ADMINISTRATION, WESTERN FEDERAL LANDS HIGHWAY DIVISION WITH COORDINATE SYSTEM AND BEARINGS USING A PROJECT DATUM. SURVEY TIED TO USC&GS BRASS DISK, DOUGLAS COUNTY STATION: H 500

DATE: 8/11/2006

B & D SURVEYS, LTD.
2165 SE DOLPHIN
WARRENTON, OR 97146
DRAWN BY: MARK MANN
REVIEWED BY: DARRYL NIEMI



SHEET 4 OF 5

Co. Rd. # 1

MP 25.63-25.99

CO. RD # 1

25632599

CANYONVILLE-TRAIL HIGHWAY OR PFH 16-1 (5) RIGHT-OF-WAY MONUMENTATION DOUGLAS COUNTY ROUTE 1

FILED
Date: 9-5-2006 P.V. JC
This survey consists of:
Map: Co. Rd. #1
Narrative: 5 pgs
Corner Plat: 5995
DOUGLAS COUNTY
SURVEYOR

LOCATED IN THE NORTH HALF OF SECTION 32 AND THE NORTH HALF OF SECTION 33
IN TOWNSHIP 30 SOUTH, RANGE 2 WEST OF THE WILLAMETTE MERIDIAN
DOUGLAS COUNTY, OREGON

RIGHT-OF-WAY MONUMENT TABLE

POINT NO	ROW STATION	OFFSET LEFT	OFFSET RIGHT	NORTHING	EASTING
18	37+760.000		12	143192.394	1299472.117
19	37+924.018	-9		143161.751	1299634.609
20	37+924.018		12	143141.776	1299628.128
21	37+960.273	-9.139		143151.316	1299668.911
22	37+960.046	-10		143152.205	1299668.927
23	37+974.018	-10		143148.827	1299682.070
24	37+974.018		12	143127.408	1299677.046
25	38+055.187	-10		143141.398	1299759.941
26	38+055.187		12	143119.416	1299760.824
27	38+100.327	-10		143145.410	1299804.136
28	38+100.327		12	143123.557	1299806.669
29	38+101.132	-10		143145.503	1299804.935
30	38+101.132		12	143123.650	1299807.469
31	38+151.202	-10		143148.338	1299856.642
32	38+151.202		12	143126.383	1299855.247
33	38+185.639	-10		143141.517	1299892.808
34	38+185.639		12	143120.562	1299886.109
35	38+235.639	-10		143120.081	1299939.867
36	38+235.639		12	143100.648	1299929.553
37	38+300.000		10	143072.241	1299987.340
38	38+356.632	-10		143063.356	1300046.739
39	38+356.632		9	143046.573	1300037.831
40	38+382.000	-10		143051.052	1300069.304
26	USCG&S DISK STATION H 500			143121.276	1299802.494

REFERENCE POINT TO R-O-W MONUMENT TABLE

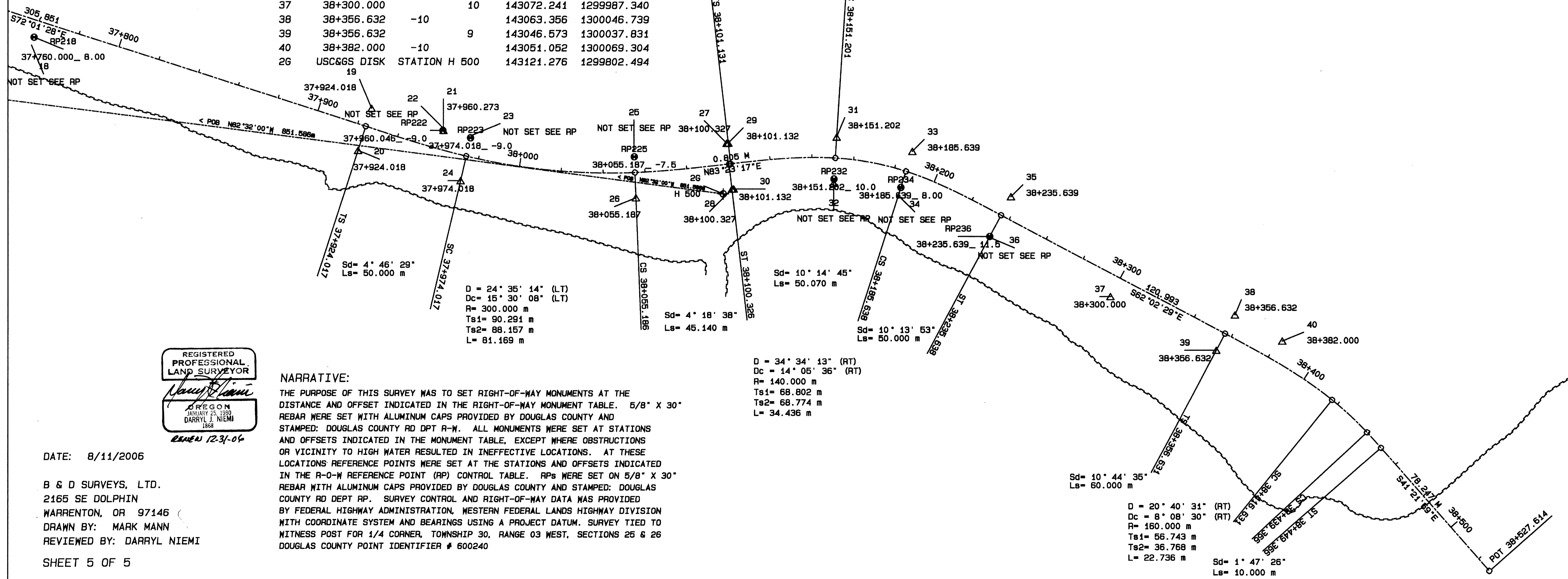
POINT NO.	NORTHING	EASTING	ELEV	STATION & OFFSET TO R-W	OFFSET
RP218	143196.198	1299473.349	308.224	37+760.000_ 8.00	4.00
RP222	143151.242	1299668.656	309.548	37+960.046_ -9.00	1.00
RP223	143147.853	1299681.841	309.897	37+974.018_ -9.00	1.00
RP225	143138.900	1299760.040	313.024	38+055.187_ -7.50	2.50
RP232	143128.378	1299855.374	312.910	38+151.202_ 10.00	2.00
RP234	143124.374	1299887.327	313.691	38+185.639_ 8.00	4.00
RP236	143101.091	1299929.787	314.934	38+235.639_ 11.50	0.50

LEGEND

- △ SET 5/8" X 30" REBAR @ ROW MONUMENT STATION & OFFSET WITH ALUMINUM CAP STAMPED: DOUGLAS CO RD DPT R-W
- SET 5/8" X 30" REBAR AS REFERENCE POINT TO ROW WITH ALUMINUM CAP STAMPED: DOUGLAS CO RD DPT R P
- POB POINT OF BEGINNING
- TS POINT OF TANGENT TO SPIRAL
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- POT POINT OF TANGENT (END OF RIGHT-OF-WAY ALIGNMENT)
- RIGHT-OF-WAY CENTERLINE
- SOUTH UMPQUA RIVER BANK PER FHWA MAP

SCALE = 1:1000 (METRIC)

GRAPHIC SCALE
1cm = 10Meters
0 10 20 30



REGISTERED PROFESSIONAL LAND SURVEYOR
Darryl J. Niemi
OREGON
JANUARY 25, 1990
DARRYL J. NIEMI
1988
EX-1231-04

NARRATIVE:

THE PURPOSE OF THIS SURVEY WAS TO SET RIGHT-OF-WAY MONUMENTS AT THE DISTANCE AND OFFSET INDICATED IN THE RIGHT-OF-WAY MONUMENT TABLE. 5/8" X 30" REBAR WERE SET WITH ALUMINUM CAPS PROVIDED BY DOUGLAS COUNTY AND STAMPED: DOUGLAS COUNTY RD DPT R-W. ALL MONUMENTS WERE SET AT STATIONS AND OFFSETS INDICATED IN THE MONUMENT TABLE, EXCEPT WHERE OBSTRUCTIONS OR VICINITY TO HIGH WATER RESULTED IN INEFFECTIVE LOCATIONS. AT THESE LOCATIONS REFERENCE POINTS WERE SET AT THE STATIONS AND OFFSETS INDICATED IN THE R-O-W REFERENCE POINT (RP) CONTROL TABLE. RPs WERE SET ON 5/8" X 30" REBAR WITH ALUMINUM CAPS PROVIDED BY DOUGLAS COUNTY AND STAMPED: DOUGLAS COUNTY RD DEPT RP. SURVEY CONTROL AND RIGHT-OF-WAY DATA WAS PROVIDED BY FEDERAL HIGHWAY ADMINISTRATION, WESTERN FEDERAL LANDS HIGHWAY DIVISION WITH COORDINATE SYSTEM AND BEARINGS USING A PROJECT DATUM. SURVEY TIED TO WITNESS POST FOR 1/4 CORNER, TOWNSHIP 30, RANGE 03 WEST, SECTIONS 25 & 26 DOUGLAS COUNTY POINT IDENTIFIER # 600240

DATE: 8/11/2006

B & D SURVEYS, LTD.
2165 SE DOLPHIN
WARRENTON, OR 97146
DRAWN BY: MARK MANN
REVIEWED BY: DARRYL NIEMI

SHEET 5 OF 5

Co. Rd. # 1

MP 25.99 - 26.44

CO. RD #1

25992644