

FILED

Date: 10-3-2006 By: JC  
This survey consists of:  
Map: ST HWY 138-008A-H  
Narrative:  
Corner Pts:  
DOUGLAS COUNTY SURVEYOR

SEC. 17, 19 & 20, T. 27 S., R. 5 W., W.M.

**PURPOSE**

THE PURPOSE OF THIS SURVEY IS TO PRODUCE A TOPOGRAPHIC MAP AND RESOLVE THE RIGHT OF WAY AT THE INTERSECTION OF THE NORTH UMPQUA HIGHWAY (ROUTE OR138E) AND RIFLE RANGE ROAD (PREVIOUSLY NAMED HOWE ROAD) FOR A SIGNAL PROJECT NAMED "OR138E @ RIFLE RANGE ROAD (ROSEBURG)". THE FIELD WORK WAS PERFORMED BETWEEN AUGUST 2005 AND APRIL 2006. THE FIELD NOTES FOR THIS SURVEY ARE ARCHIVED IN SALEM AT THE ODOT MAP AND PLAN CENTER IN FIELD BOOK 4314

**HORIZONTAL CONTROL & BASIS OF BEARING**

THE BASIS OF BEARING AND COORDINATES FOR THIS PROJECT ARE TAKEN FROM COUNTY SURVEY ST. HWY. 138-006. THE NETWORK FOR BOTH SURVEYS HELD THE SAME TWO CITY OF ROSEBURG BRASS DISKS, 5701 AND 5002. THE COORDINATES OF THE POINTS ARE AT LOCAL DATUM PLANE IN U.S. SURVEY FEET CONVERTED FROM NAD1927 SOUTH ZONE, STATE PLANE COORDINATES.

**HORIZONTAL LEAST SQUARES ADJUSTMENT**

HORIZONTAL LEAST SQUARES ADJUSTMENT REPORTS PRODUCED THE FOLLOWING RESIDUALS (THE AMOUNT THAT FIELD OBSERVED ANGLES AND DISTANCES WERE CHANGED DUE TO ADJUSTMENT). ODOT STANDARD STATES THAT 67% OF THE RESIDUALS SHOULD BE LESS THAN THE ALLOWABLE ERROR TOLERANCE AND THAT 100% OF THE RESIDUALS SHOULD BE LESS THAN 3 TIMES THE ALLOWABLE ERROR TOLERANCE. ALL OF THE POINTS SHOWN IN THIS SURVEY ARE WITHIN THE TOLERANCE STATED IN O.R.S. 92.050 (2).

**ANGULAR RESIDUALS**

79% OF THE ANGULAR RESIDUALS ARE WITHIN 3 SECONDS (ODOT ALLOWABLE ERROR TOLERANCE IS 3 SECONDS) AND 96% ARE WITHIN 9 SECONDS. 3 ANGLES WERE GREATER THAN 9 SECONDS WITH THE WORST BEING 16 SECONDS.

**DISTANCE RESIDUALS**

98% OF THE DISTANCE RESIDUALS WERE WITHIN 0.008 FEET (ODOT ALLOWABLE ERROR TOLERANCE IS 0.02 FEET +/- 2 PPM), 100% OF THE RESIDUALS WERE WITHIN 0.040 FEET. THE DISTANCE RESIDUALS WERE WITHIN ODOT STANDARD.

**HORIZONTAL CONTROL EQUIPMENT**

A LEICA TCA 1800 TOTAL STATION THEODOLITE WAS USED TO MAKE NETWORK OBSERVATIONS. THIS INSTRUMENT HAS THE FOLLOWING ACCURACY: STANDARD ANGULAR ERROR OF +/- 1 SECOND; STANDARD DISTANCE ERROR OF +/- 2 MM, +/- 2 PPM.

**VERTICAL CONTROL**

TWO DOUGLAS COUNTY MONUMENTS WERE HELD FOR VERTICAL CONTROL "KOW" AND "KOW RM2". THESE MONUMENTS HAVE NGVD 1929 THIRD ORDER ELEVATIONS ESTABLISHED ON THEM. A LEVEL CIRCUIT WAS RUN THROUGH NETWORK POINTS 109 - 113 AND ON STRATEGIC POINT 501.

**VERTICAL LEAST SQUARES ADJUSTMENT**

A VERTICAL LEAST SQUARE ADJUSTMENT PRODUCED THE FOLLOWING ELEVATION RESIDUALS (THE AMOUNT FIELD ELEVATIONS ARE CHANGED DUE TO ADJUSTMENT). 100% OF THE VERTICAL RESIDUALS ARE WITHIN 0.001 FEET.

**VERTICAL CONTROL EQUIPMENT**

A LEICA NA2002 DIGITAL LEVEL AND GBNL4C FIBERGLASS LEVEL ROD WERE USED ON THE PROJECT. THIS INSTRUMENT HAS A STANDARD DEVIATION OF 1.5MM IN A 1 KILOMETER DOUBLE-RUN LEVEL CIRCUIT.

**RESOLUTION OF RIGHT OF WAY**

THE EXISTING HIGHWAY RIGHT OF WAY WAS RESOLVED USING ODOT LOCATED LINE RIGHT-OF-DRAWING (DRG) 5B-13-22 AND DOUGLAS COUNTY ROAD DEPT. PLANS (CO. RD. PLAN) FOR DIAMOND LAKE BLVD., RD. 4, DATED JUNE 1968, SHEET 7 OF 8 & 8 OF 8 AND ALSO DOUGLAS COUNTY ROAD DEPT. PLANS FOR DIAMOND LAKE BLVD., RD. 4, DATED APRIL 1969, SHEET 4 OF 14. THE EXISTING RIGHT OF WAY OF RIFLE RANGE ROAD (FORMERLY HOWE ROAD) WAS RESOLVED USING THE SUBDIVISION PLAT OF "FIRST ADDITION OF BROOKSIDE TO ROSEBURG". ALL OTHER REFERENCE DOCUMENTS SHOWN IN THE TABLES ARE SURVEYS RECORDED AT THE DOUGLAS COUNTY SURVEYORS OFFICE.

**HIGHWAY CENTER LINE**

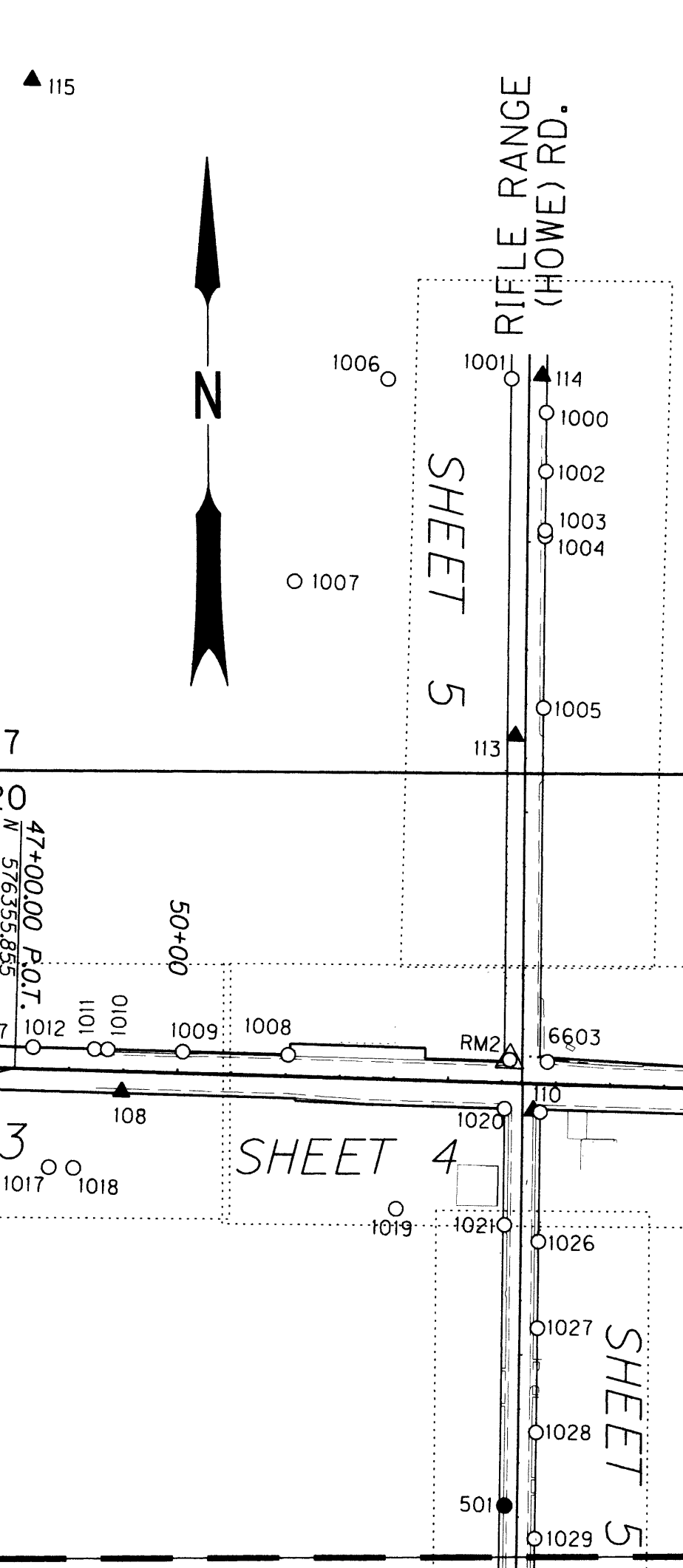
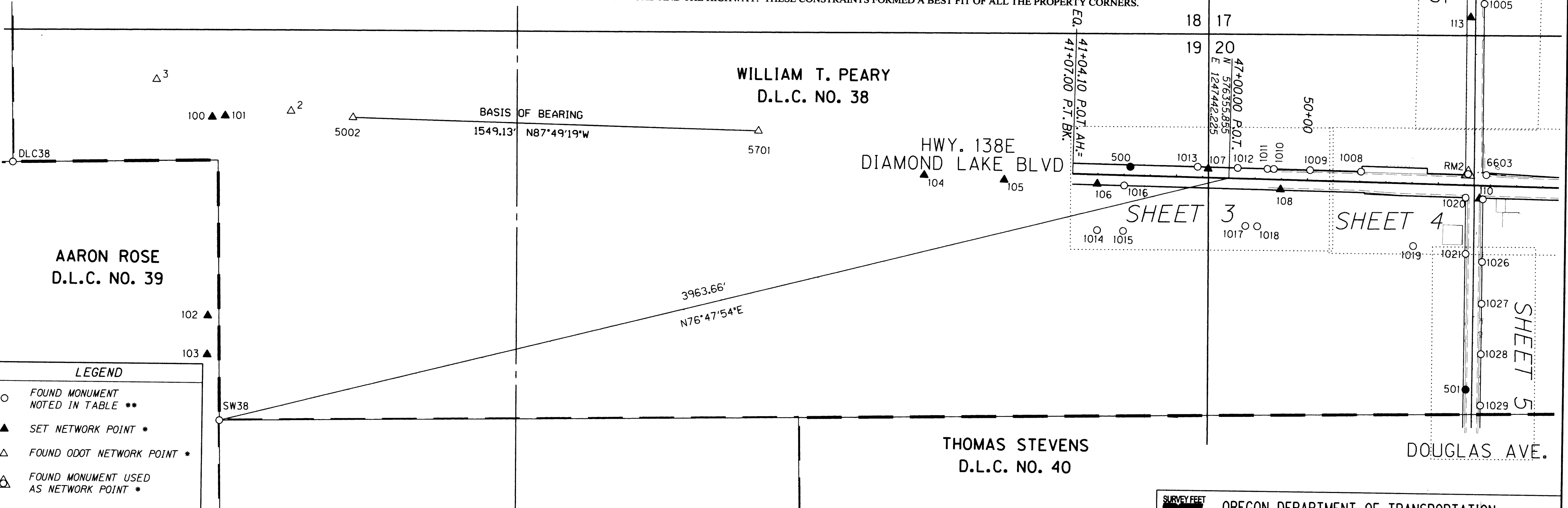
TO RESOLVE THE HIGHWAY CENTER LINE TANGENT THE RECORD RIGHT OF WAY WIDTH WAS HELD FROM POINTS 1013 AND 1035. RECORD RIGHT OF WAY STATIONING WAS HELD ON 1035. THESE CONSTRAINTS FORMED A BEST FIT OF ALL THE RIGHT OF WAY MONUMENTS AND PROPERTY CORNERS.

**"NR" CENTER LINE**

TO RESOLVE THE "NR" CENTER LINE TANGENT THE RECORD RIGHT OF WAY WIDTH WAS HELD FROM POINT 1005 AND POINTS 1000 AND 1001 WERE SPLIT. STATION "NR"20+00 WAS ASSUMED AT THE INTERSECTION OF RIFLE RANGE ROAD AND THE HIGHWAY. THESE CONSTRAINTS FORMED A BEST FIT OF ALL THE PROPERTY CORNERS.

**"SR" CENTER LINE**

TO RESOLVE THE "SR" CENTER LINE TANGENT THE RECORD RIGHT OF WAY WIDTH WAS HELD FROM POINT 1029 AND POINTS 1020 AND 1025 WERE SPLIT. STATION "NR"20+00 WAS ASSUMED AT THE INTERSECTION OF RIFLE RANGE ROAD AND THE HIGHWAY. THESE CONSTRAINTS FORMED A BEST FIT OF ALL THE PROPERTY CORNERS.



LEGEND	
○	FOUND MONUMENT NOTED IN TABLE **
▲	SET NETWORK POINT *
△	FOUND ODOT NETWORK POINT *
△	FOUND MONUMENT USED AS NETWORK POINT *
●	SET STRATEGIC POINT *
—	ODOT RIGHT-OF-WAY
—	STREET RIGHT-OF-WAY
*	FOR CONTROL MONUMENT TABLE SEE SHEET 2
**	FOR FOUND MONUMENTS NOT SHOWN ON INDIVIDUAL SHEETS SEE TABLE SHEET 2

BASIS OF BEARING AND CONTROL NETWORK SCHEMATIC  
NOT TO SCALE

REGISTERED PROFESSIONAL LAND SURVEYOR  
*Marshall R. Wagstaff*  
OREGON  
JANUARY 9, 2001  
MARSHALL R. WAGSTAFF  
49476LS  
EXPIRES 06/30/08

**OREGON DEPARTMENT OF TRANSPORTATION**  
HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT MAP  
OR138E @ RIFLE RANGE ROAD (ROSEBURG)  
NORTH UMPQUA HWY.  
DOUGLAS COUNTY  
KEY NO. 14473

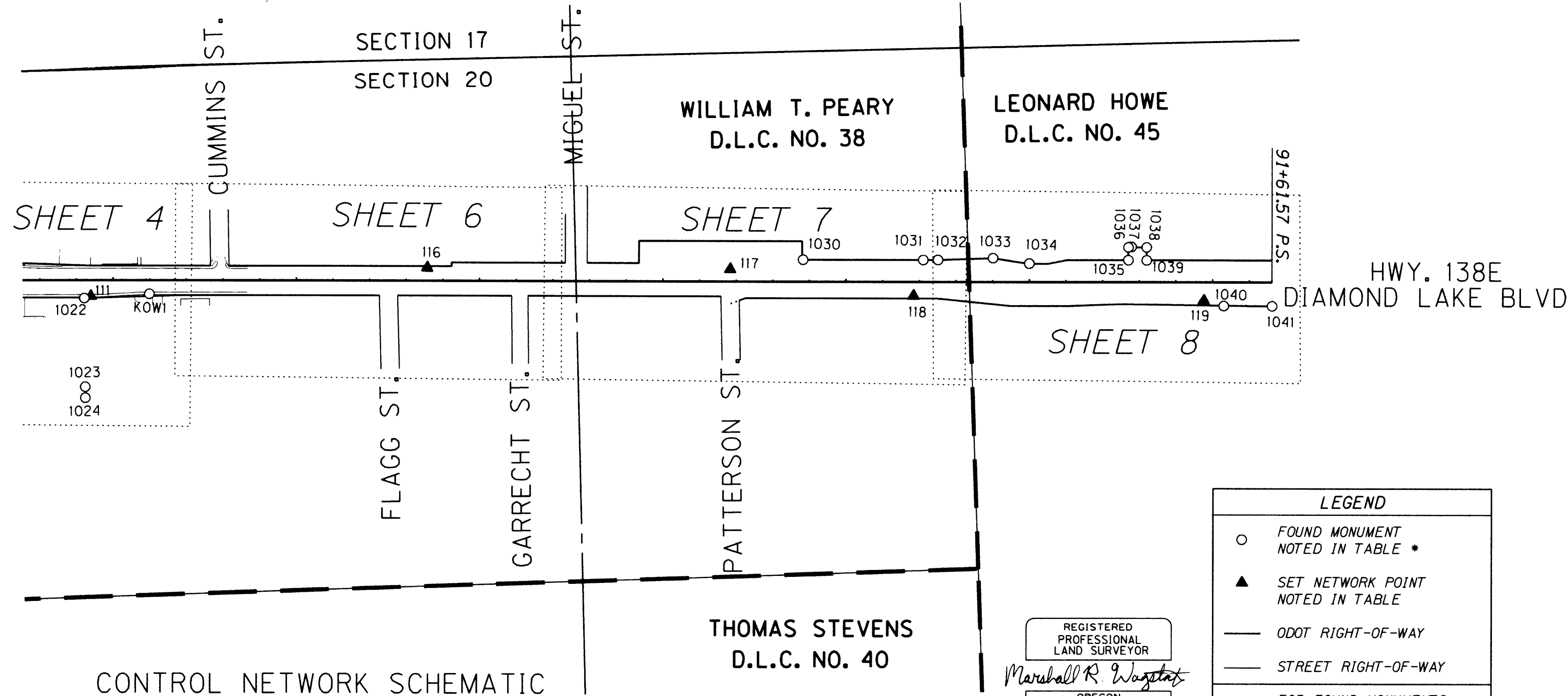
FOR ODOT REGION 3  
3500 NW. STEWART PKWY.  
ROSEBURG, OR. 97470

OCTOBER 3, 2006  
SHEET 1 OF 8

FILED

Date: 10-3-2006 By: JC  
This survey consists of:  
Map: ST HWY 138-008 A-H  
Narrative:  
Corner Ppt:  
J. DOUGLAS COUNTY  
SURVEYOR

SEC. 20, T. 27 S., R. 5 W., W.M.



CONTROL NETWORK SCHEMATIC  
NOT TO SCALE

CONFIDENCE LEVEL LIMITS

POINT ID	SEMI MAJOR	SEMI MINOR	ORIENTATION*
2	0.000	0.000	
3	0.000	0.000	
100	0.009	0.008	5.8
101	0.008	0.008	68.3
102	0.036	0.011	-79.6
103	0.043	0.011	-81.1
104	0.022	0.009	15.3
105	0.032	0.009	11.3
106	0.045	0.011	8.8
107	0.060	0.011	4.5
108	0.070	0.012	6.4
109	0.080	0.013	3.9
110	0.099	0.014	5.5
111	0.110	0.015	5
112	0.099	0.017	11.8
113	0.099	0.017	-10.2
114	0.108	0.017	-23.4
115	0.090	0.016	-45.3
116	0.014	0.007	-2.9
117	0.024	0.007	-0.5
118	0.032	0.009	2.2
119	0.045	0.010	2.5
5002	0.000	0.000	
5701	0.000	0.000	
RM2	0.097	0.014	3.4

\* NORTH AZIMUTH

FIXED POINTS FROM SURVEY ST. HWY. 138-006 NOT SUBJECT TO LEAST SQUARES ADJUSTMENT OR CONFIDENCE LEVEL ANALYSIS: 2, 3, 5002 & 5701.

**LEGEND**

- FOUND MONUMENT NOTED IN TABLE \*
- ▲ SET NETWORK POINT NOTED IN TABLE
- ODOT RIGHT-OF-WAY
- STREET RIGHT-OF-WAY

\* FOR FOUND MONUMENTS NOT SHOWN ON INDIVIDUAL SHEETS SEE TABLE BELOW

REGISTERED PROFESSIONAL LAND SURVEYOR  
MARSHALL R. WAGSTAFF  
JANUARY 9, 2001  
49476LS  
EXPIRES 06/30/08

RECOVERED MONUMENT LIST

PT. NO.	LDP NORTHING	LDP EASTING	STATION	OFFSET (- IS LT.)	DATE	DESCRIPTION	REFERENCE DOCUMENT
1006	577626.664	1248138.525			8/16/05	FD. 3/4" I. ROD 0.4' BELOW SURFACE SETS INSIDE 4" I.D. PIPE 0.4' ABOVE SURFACE GOOD CONDITION	M 11-7
1007	577252.945	1247963.932			8/16/05	FD. 1" I.D. IRON PIPE 0.1' ABOVE SURFACE, GOOD CONDITION	M 11-7
DLC38	576445.219	1242799.753			8/11/05	FD. 1 3/8" AXLE SHAFT AT GROUND ELEV. 1" AT TOP 0.6' ABOVE SURFACE GOOD CONDITION T27S R5W NORTHERLY SW EXTERNAL "L" DLC 38	CS 64/63-15
SW38	575450.640	1243583.326			8/11/05	FD. 1" I.D. IRON PIPE FLUSH W/ SURFACE AT BASE OF CONC. CURB T27S R5W SOUTHERLY SW EXTERNAL "L" DLC 38	CS 66/34-31

CONTROL MONUMENT LIST

PT. NO.	LDP NORTHING	LDP EASTING	ELEV.	STATION	OFFSET (- IS LT.)	DATE	DESCRIPTION	REFERENCE DOCUMENT
2	576631.307	1243862.876				08/17/05	FD. 1" BRASS PLUG IN CONC. SIDEWALK STAMPED "ODOT CONTROL 2"	ST. HWY. 139-006
3	576755.497	1243350.601				08/17/05	FD. 1" BRASS PLUG IN CONC. SIDEWALK STAMPED "ODOT CONTROL 3"	ST. HWY. 139-006
100	576610.660	1243561.998				08/11/05	SET 1" BRASS PLUG IN CONC. SIDEWALK STAMPED "ODOT CONTROL 100"	
101	576615.002	1243611.504				08/11/05	SET 1" BRASS PLUG IN CONC. SIDEWALK STAMPED "ODOT CONTROL 101"	
102	575850.733	1243540.797				08/11/05	SET 1" BRASS PLUG IN CONC. SIDEWALK STAMPED "ODOT CONTROL 102"	
103	575701.777	1243537.790				08/11/05	SET 1" BRASS PLUG IN CONC. SIDEWALK STAMPED "ODOT CONTROL 103"	
104	576373.844	1246279.503				08/15/05	SET 1" BRASS PLUG IN CONC. SIDEWALK STAMPED "ODOT CONTROL 104"	
105	576354.177	1246584.593				08/15/05	SET 1" BRASS PLUG IN CONC. SIDEWALK STAMPED "ODOT CONTROL 105"	
106	576337.024	1246939.599		41+98.30	35.80	08/15/05	SET 1" BRASS PLUG IN CONC. SIDEWALK STAMPED "ODOT CONTROL 106"	
107	576392.236	1247363.603		46+20.19	-33.71	08/15/05	SET 1" BRASS PLUG IN CONC. SIDEWALK STAMPED "ODOT CONTROL 107"	
108	576311.946	1247638.743		48+97.89	37.25	08/15/05	SET 1" BRASS PLUG IN CONC. SIDEWALK STAMPED "ODOT CONTROL 108"	
109	576375.644	1247894.062	475.68	51+50.91	-35.04	08/15/05	SET 1" BRASS PLUG IN CONC. SIDEWALK STAMPED "ODOT CONTROL 109"	
110	576274.690	1248399.313	480.87	56+59.28	48.80	08/16/05	SET 1" BRASS PLUG IN CONC. SIDEWALK STAMPED "ODOT CONTROL 110"	
111	576270.684	1248679.021	486.32	59+38.97	43.35	08/16/05	SET 1" BRASS PLUG IN CONC. SIDEWALK STAMPED "ODOT CONTROL 111"	
112	576001.067	1248354.801	476.33	"SR"23+23.48	19.64	08/17/05	SET 1" BRASS PLUG IN CONC. GUTTER STAMPED "ODOT CONTROL 112"	
113	576965.872	1248370.374	489.35	"NR"13+58.54	18.70	08/17/05	SET 5/8" x 30" I. REBAR W/ 1 1/2" BRASS CAP STAMPED "ODOT CONTROL 113"	
114	577632.003	1248423.712		"NR"6+91.66	-24.22	08/17/05	SET 1" BRASS PLUG IN CONC. CURB STAMPED "ODOT CONTROL 114"	
115	578181.958	1247484.127				08/17/05	SET WOOD HUB AND TACK	
116	576318.655	1249599.467		68+57.27	-35.68	08/17/05	SET 1" BRASS PLUG IN CONC. SIDEWALK STAMPED "ODOT CONTROL 116"	
117	576289.085	1250425.192		76+83.52	-34.01	08/17/05	SET 1" BRASS PLUG IN CONC. SIDEWALK STAMPED "ODOT CONTROL 117"	
118	576202.345	1250923.076		81+84.05	35.86	08/17/05	SET 1" BRASS PLUG IN CONC. SIDEWALK STAMPED "ODOT CONTROL 118"	
119	576161.423	1251714.223		89+76.13	50.04	08/17/05	SET 1" BRASS PLUG IN CONC. CURB STAMPED "ODOT CONTROL 119"	
500	576401.481	1247066.692		43+23.14	-32.92	08/11/05	SET 1" BRASS PLUG IN CONC. SIDEWALK STAMPED "ODOT CONTROL 500"	
501	575545.855	1248342.882	470.90	"SR"27+78.83	23.77	09/15/05	SET 1" BRASS PLUG IN CONC. SIDEWALK STAMPED "ODOT CONTROL 501"	
5002	576605.523	1244099.851				08/11/05	FD. 2 1/2" BRASS DISK IN CONC. APPROACH UNABLE TO READ STAMPING 50-2 TAKEN FROM RECORD	CS 66/57
5701	576546.646	1245647.657				08/11/05	FD. 2 3/4" DIA BRASS DISK STAMPED "CITY OF ROSEBURG 57-1"	CS 66/57
RM2	576367.972	1248356.513	481.11			08/16/05	FD. 2 3/4" DIA BRASS DISK STAMPED "DOUGLAS CO. SURVEYORS OFFICE KOW RM2 1979"	CS 66/57

NETWORK OBSERVATIONS

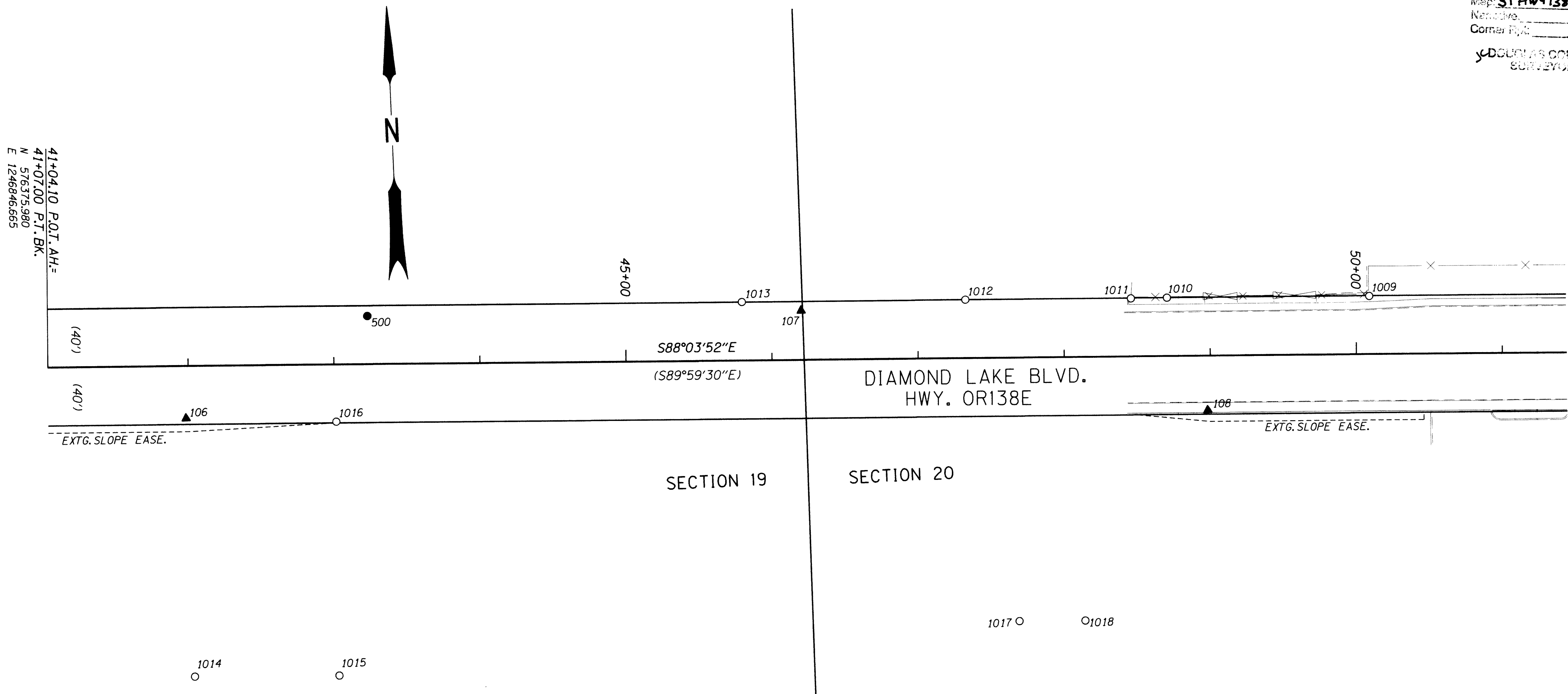
AT	TO
2	5002, 3, 100, 101
3	5002, 2, 100, 101
100	2, 3, 101, 102, 103
101	2, 102, 103, 3
102	100, 101, 103
103	101, 100, 102
104	5701, 105, 106, 107, 115
105	5701, 104, 106, 107, 115
106	104, 105, 107, 108
107	105, 106, 108, 109
108	106, 107, 109, RM2, 110
109	107, 108, 110, RM2, 115, 111
110	108, 109, RM2, 113, 114, 111, 112
111	109, RM2, 110
112	RM2, 110, 113, 114
113	110, RM2, 112, 114
114	RM2, 112, 110, 113, 115
115	104, 105, 109, 114
116	111, 117, 118
117	111, 116, 118, 119
118	116, 117, 119
119	117, 118
5701	5002, 104, 105
RM2	108, 109, 112, 110, 111, 113, 114

**SURVEY FEET** OREGON DEPARTMENT OF TRANSPORTATION  
HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT MAP  
OR138E @ RIFLE RANGE ROAD (ROSEBURG)  
NORTH UMPQUA HWY.  
DOUGLAS COUNTY  
KEY NO. 14473

FOR ODOT REGION 3  
3500 NW, STEWART PKWY.  
ROSEBURG, OR. 97470  
OCTOBER 3, 2006  
SHEET 2 OF 8

FILED  
 Date: 10-3-2006 By: JC  
 This survey consists of:  
 Map: ST HWY 138-009 A-H  
 Name: \_\_\_\_\_  
 Corner: P.M.C. \_\_\_\_\_  
 DOUGLAS COUNTY  
 SURVEYOR

NE. 1/4 SEC. 19 & NW. 1/4 SEC. 20, T. 27 S., R. 5 W., W.M.



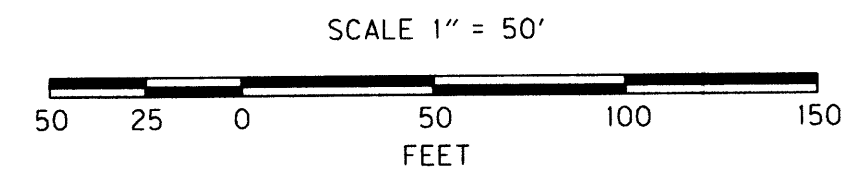
**LEGEND**

- FOUND MONUMENT NOTED IN TABLE
- ▲ SET NETWORK POINT \*
- SET STRATEGIC POINT \*
- ODOT RIGHT-OF-WAY
- STREET RIGHT-OF-WAY
- \* FOR CONTROL MONUMENT TABLE SEE SHEET 2

**RECORD DATA**

- ( ) PER ODOT DRG. 5B-13-22
- (( )) PER PLAT OF FIRST ADDITION OF BROOKSIDE TO ROSEBURG
- [ ] PER COUNTY ROAD PLAN

REGISTERED PROFESSIONAL LAND SURVEYOR  
 Marshall R. Wagstaff  
 OREGON JANUARY 9, 2001  
 MARSHALL R. WAGSTAFF  
 49476LS  
 EXPIRES 06/30/08



RECOVERED MONUMENT LIST

PT. NO.	LDP NORTHING	LDP EASTING	STATION	OFFSET (- IS LT.)	DATE	DESCRIPTION	REFERENCE DOCUMENT
1009	576385.098	1247752.516	50+09.13	-39.71	8/16/05	FD. 2" DIA STEEL SHAFT 0.4' BELOW SURFACE. GOOD CONDITION. 0.7' S.E. OF POWER POLE #PPL B19173	M 25-77
1010	576389.991	1247614.148	48+70.67	-39.92	8/16/05	FD. 1 1/4" PLASTIC CAP STAMPED "BAUGHMAN TECH. SERV." FLUSH W/ SURFACE GOOD CONDITION	M 105-3
1011	576390.607	1247589.524	48+46.04	-39.71	8/16/05	FD. 5/8" I. REBAR W/ 1 1/4" PLASTIC CAP STAMPED "I.E. ENG." 0.2' ABOVE SURFACE GOOD CONDITION	2001-0035
1012	576394.637	1247476.286	47+32.73	-39.91	8/16/05	FD. 1/2" I. REBAR W/ REMENANTS OF A PLASTIC CAP 0.2' BELOW SURFACE GOOD CONDITION	M 95-43
1013	576399.895	1247323.342	45+79.70	-40.00	8/16/05	FD. 1/2" I. REBAR 0.1' BELOW A.C. GOOD CONDITION	M 99-6
1014	576160.349	1246938.002			8/11/05	FD. 5/8" I. ROD GOOD CONDITION IN A.C. PARKING	M 99-6
1015	576156.710	1247036.927			8/16/05	FD. 5/8" I. ROD W/ PLASTIC CAP BADLY DAMAGED ROD IS IN GOOD CONDITION SET IN A.C.	M 99-6
1016	576330.186	1247042.354	43+01.22	39.16	8/16/05	FD. 5/8" I. ROD W/ PLASTIC CAP DAMAGED ROD IS IN GOOD CONDITION FLUSH W/ A.C.	M 97-22
1017	576173.424	1247503.790			8/16/05	FD. 5/8" I. REBAR 0.2' BELOW SURFACE GOOD CONDITION	M 97-22
1018	576171.859	1247548.851			8/16/05	FD. 5/8" I. REBAR W/ 1 1/4" PLASTIC CAP STAMPED "FALES LS 1891" 0.1' BELOW SURFACE GOOD CONDITION	M 97-22

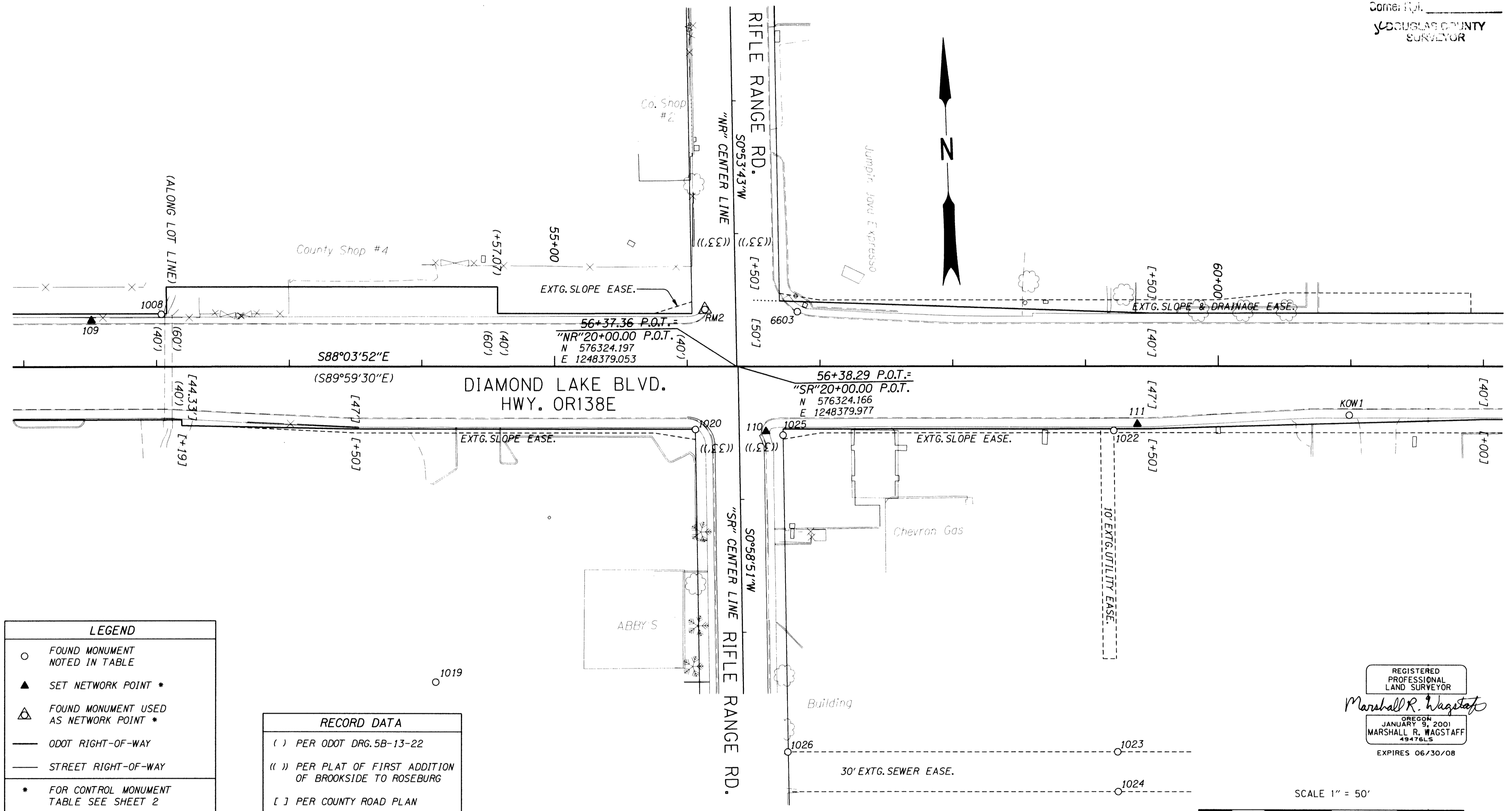
OREGON DEPARTMENT OF TRANSPORTATION  
 HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT MAP  
 OR138E @ RIFLE RANGE ROAD (ROSEBURG)  
 NORTH UMPQUA HWY.  
 DOUGLAS COUNTY  
 KEY NO. 14473

FOR ODOT REGION 3  
 3500 NW. STEWART PKWY.  
 ROSEBURG, OR. 97470

OCTOBER 3, 2006  
 SCALE: 1" = 50'  
 SHEET 3 OF 8

FILED  
Date: 10-3-2006 By: JC  
This survey consists of:  
Map: ST HWY 138-008 A-H  
Corner: ETL  
DOUGLAS COUNTY  
SURVEYOR

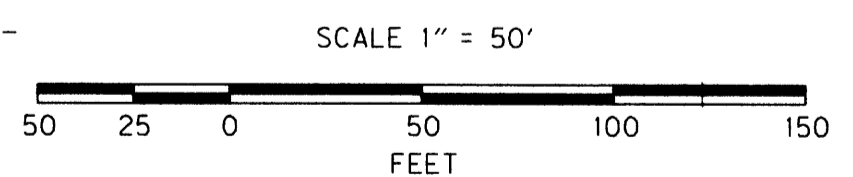
NW 1/4 SEC. 20, T. 27 S., R. 5 W., W.M.



LEGEND	
○	FOUND MONUMENT NOTED IN TABLE
▲	SET NETWORK POINT *
△	FOUND MONUMENT USED AS NETWORK POINT *
—	ODOT RIGHT-OF-WAY
—	STREET RIGHT-OF-WAY
*	FOR CONTROL MONUMENT TABLE SEE SHEET 2

RECORD DATA	
( )	PER ODOT DRG. 5B-13-22
(( ))	PER PLAT OF FIRST ADDITION OF BROOKSIDE TO ROSEBURG
[ ]	PER COUNTY ROAD PLAN

REGISTERED PROFESSIONAL LAND SURVEYOR  
Marshall R. Wagstaff  
OREGON JANUARY 31, 2001  
MARSHALL R. WAGSTAFF  
49476LS  
EXPIRES 06/30/08



RECOVERED MONUMENT LIST

PT. NO.	LDP NORTHING	LDP EASTING	ELEV.	STATION	OFFSET (- IS LT.)	DATE	DESCRIPTION	REFERENCE DOCUMENT
1008	576378.376	1247946.939		52+03.67	-39.55	8/16/05	FD. 5/8" I. REBAR W/ 1 1/4" PLASTIC CAP STAMPED "I.E.ENG." 0.5' ABOVE SURFACE GOOD CONDITION. WITNESS COR.	M 129-9
1019	576094.461	1248144.240				8/16/05	FD. 1 1/4" PLASTIC CAP STAMPED "BAUGHMAN TECH SERV" FLUSH WITH A.C. GOOD CONDITION	94-41
1020	576277.939	1248346.232		56+06.12	47.34	8/16/05	FD. 5/8" I. REBAR W/ 1 1/4" PLASTIC CAP LAYING BESIDE IT STAMPED "BAUGHMAN TECH SERV." FLUSH W/ SURFACE GOOD CONDITION	58/281-1
				"SR"20+46.80	32.95			
1022	576266.343	1248661.150		59+21.25	48.29	8/16/05	FD. 5/8" I. REBAR 0.1' ABOVE SURFACE AT EDGE OF A.C. GOOD CONDITION.	M 12-74
1023	576024.682	1248656.023				8/16/05	FD. 5/8" I. REBAR 0.4' BELOW A.C. SURFACE GOOD CONDITION	M 68-60
1024	575994.720	1248655.402				8/16/05	FD. 5/8" I. ROD 0.3' BELOW SURFACE AT EDGE OF A.C. GOOD CONDITION	M 78-25
1025	576271.444	1248412.027		"SR"20+52.17	-32.95	8/16/05	FD. 5/8" I. REBAR 0.3' BELOW A.C. SURFACE GOOD CONDITION.	M 68-60
6603	576363.902	1248425.998		56+82.94	-41.27	8/16/05	FD. 1 3/8" BRASS DISK STAMPED "68-3" IN CONC. CURB IN CRACK FAIR CONDITON GROUT GIVING AWAY	CS 66/57
KOW1	576271.821	1248838.878	489.13	60+98.69	36.82	8/16/05	FD. 2 7/8" BRASS DISK STAMPED "DOUGLAS CO. SURVEYORS OFFICE KOW 1979" SET IN CONC. SIDEWALK GOOD CONDITION.	CS 66/57

**OREGON DEPARTMENT OF TRANSPORTATION**  
HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT MAP  
OR138 @ RIFLE RANGE ROAD (ROSEBURG)  
NORTH UMPQUA HWY.  
DOUGLAS COUNTY  
KEY NO. 14473

FOR ODOT REGION 3  
3500 NW. STEWART PKWY.  
ROSEBURG, OR. 97470

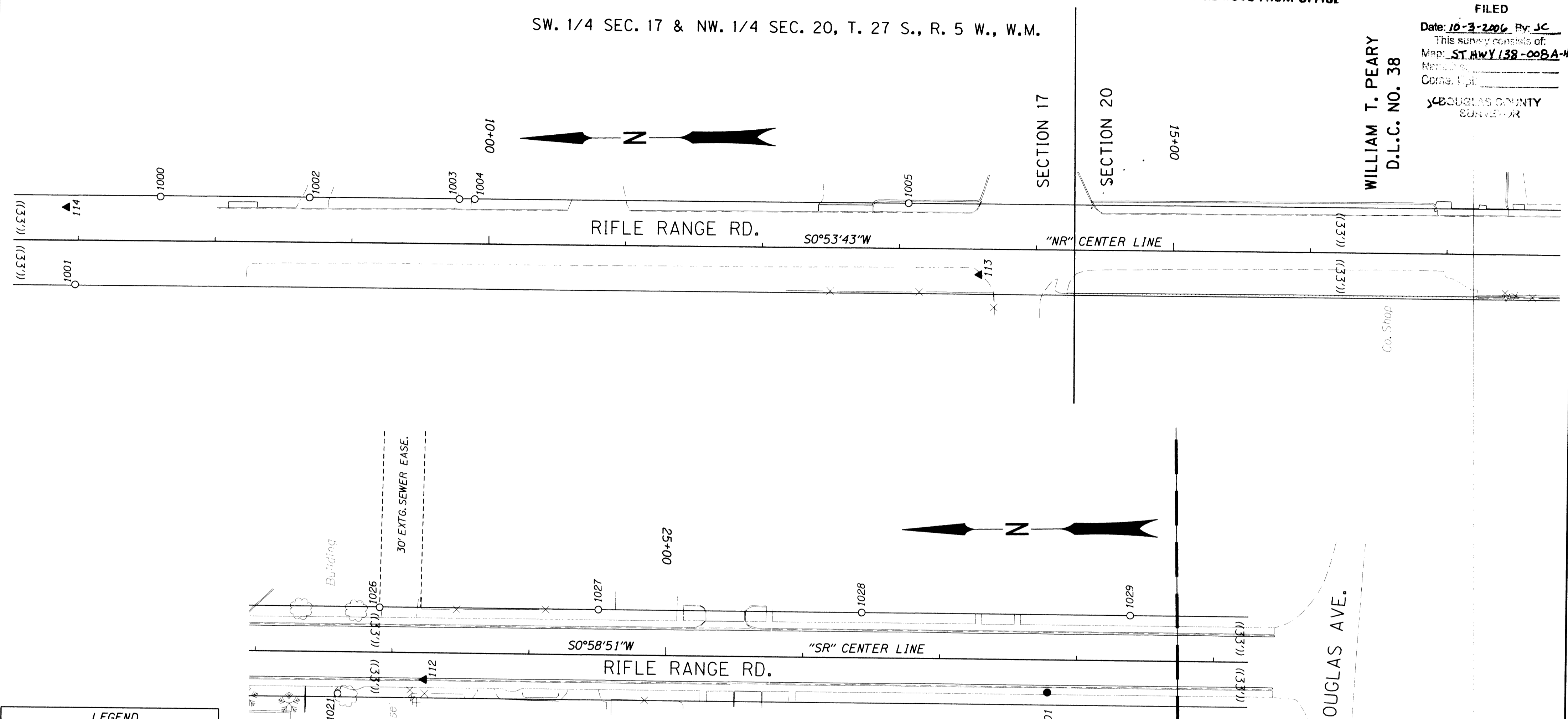
OCTOBER 3, 2006  
SCALE: 1" = 50'  
SHEET 4 OF 8

SW. 1/4 SEC. 17 & NW. 1/4 SEC. 20, T. 27 S., R. 5 W., W.M.

FILED

Date: 10-3-2006 By: JC  
This survey consists of:  
Map: ST HWY 138-008A-H  
Name:  
Corners:  
DOUGLAS COUNTY SURVEYOR

WILLIAM T. PEARY  
D.L.C. NO. 38



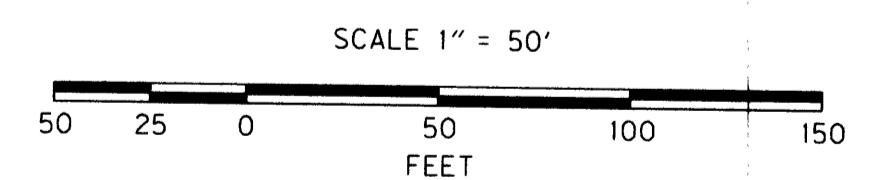
**LEGEND**

- FOUND MONUMENT NOTED IN TABLE
- ▲ SET NETWORK POINT \*
- SET STRATEGIC POINT \*
- ODOT RIGHT-OF-WAY
- STREET RIGHT-OF-WAY
- \* FOR CONTROL MONUMENT TABLE SEE SHEET 2

**RECORD DATA**

- ( ) PER ODOT DRG. 5B-13-22
- (( )) PER PLAT OF FIRST ADDITION OF BROOKSIDE TO ROSEBURG
- [ ] PER COUNTY ROAD PLAN

REGISTERED PROFESSIONAL LAND SURVEYOR  
*Marshall R. Wagstaff*  
OREGON  
JANUARY 8, 2001  
MARSHALL R. WAGSTAFF  
49476LS  
EXPIRES 06/30/08



RECOVERED MONUMENT LIST

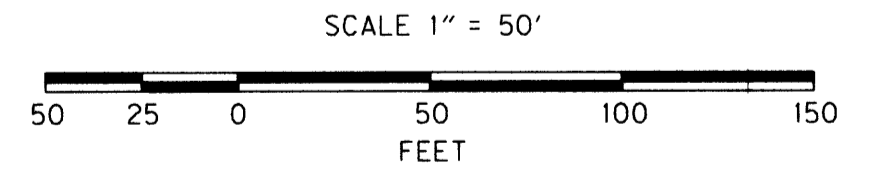
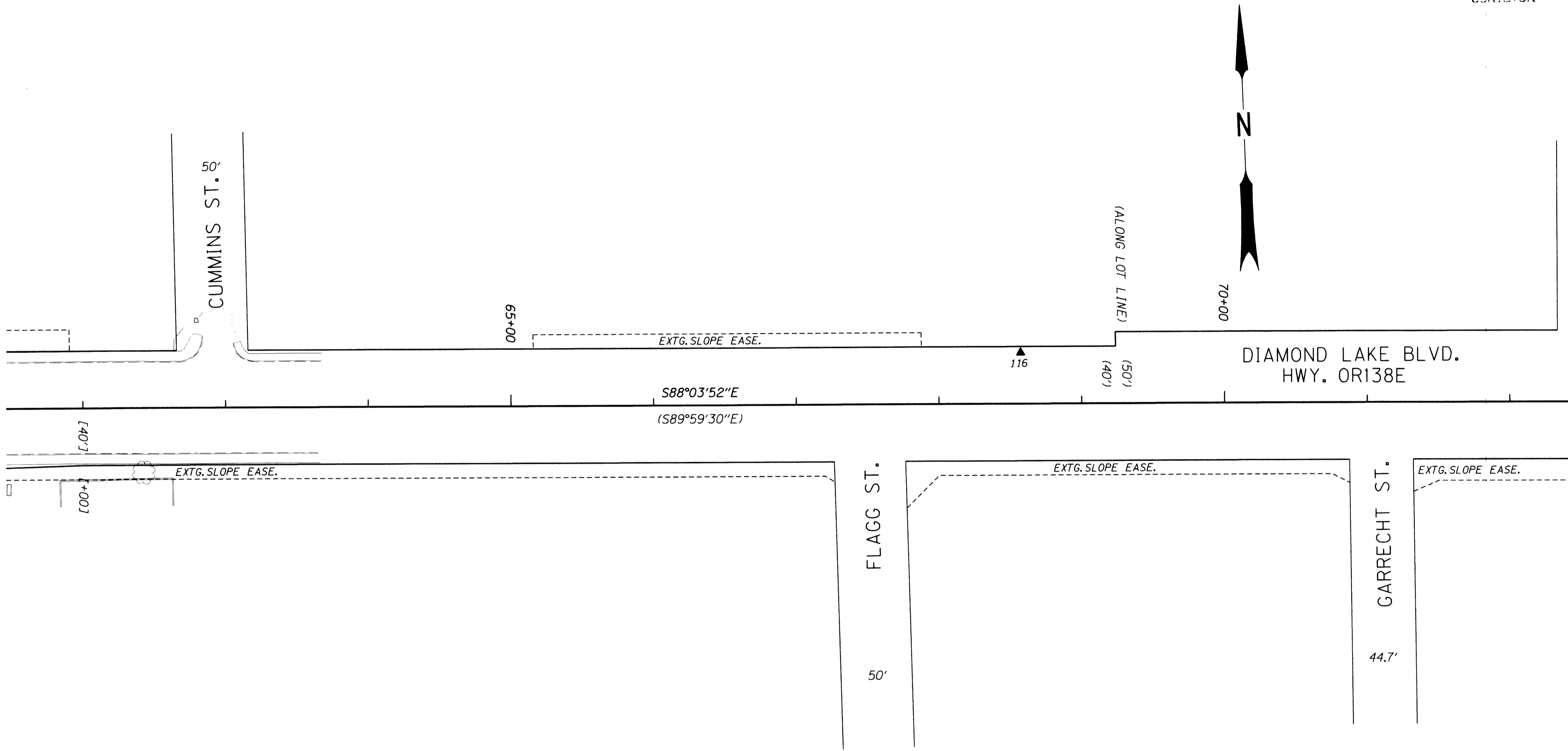
PT. NO.	LDP NORTHING	LDP EASTING	STATION	OFFSET (- IS LT.)	DATE	DESCRIPTION	REFERENCE DOCUMENT
1000	577563.761	1248430.858	"NR"7+59.78	-32.43	8/16/05	FD. 5/8" IRON REBAR 0.5' BELOW SURFACE BENT TO S.W.	13-68
1001	577626.491	1248366.969	"NR"8+98.05	32.43	8/16/05	FD. 1/2" I.D. PIPE 0.5' BELOW SURFACE SETS INSIDE 4" PIPE EXTENDS 0.4' ABOVE SURFACE GOOD CONDITION	M11-7
1002	577454.776	1248429.446	"NR"8+68.77	-32.72	8/16/05	FD. 3/4" I.D. PIPE 0.2 BELOW A.C. DRIVEWAY GOOD CONDITION	M13-68
1003	577345.404	1248427.788	"NR"9+78.16	-32.75	8/16/05	FD. 1 1/4" PLASTIC CAP STAMPED "DOUG. CO. SURVEYORS" 0.1' BELOW A.C. SURFACE GOOD CONDITION	M 68-3
1004	577334.165	1248427.684	"NR"9+89.40	-32.83	8/16/05	FD. 1 1/4" PLASTIC CAP STAMPED "DOUG CO. S." 0.2' BELOW SURFACE GOOD CONDITION	M 68-3
1005	577017.183	1248422.886	"NR"13+06.41	-33.00	8/16/05	FD/ 3/4" I.D. PIPE 0.7' BELOW SURFACE, FAIR CONDITION	M 13-68
1021	578064.204	1248344.969	"SR"22+60.52	30.55	8/16/05	FD. 5/8" I. REBAR 0.3' BELOW SURFACE GOOD CONDITION. NO SURVEY FOUND ASSUMED PROPERTY CORNER	NOT RECORDED
1026	578033.055	1248407.665	"SR"22+90.59	-32.67	8/16/05	FD. 5/8" I. REBAR 0.1' ABOVE SURFACE GOOD CONDITION	M 68-60
1027	575873.348	1248405.264	"SR"24+50.32	-33.00	8/16/05	FD. 5/8" I. REBAR 1.3' BELOW SURFACE GOOD CONDITION	M 78-25
1028	575680.958	1248401.970	"SR"26+42.74	-33.00	8/16/05	FD. 1 1/4" PLASTIC CAP STAMPED "LAND MARK 2287" FLUSH W/ SURFACE GOOD CONDITION	M 68-60
1029	575484.916	1248398.613	"SR"28+38.81	-33.00	8/16/05	FD. 1 1/4" PLASTIC CAP STAMPED "LAND MARK 2287" 1.0' BELOW SURFACE GOOD CONDITION	2005-0058A

OREGON DEPARTMENT OF TRANSPORTATION  
HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT MAP  
OR138E @ RIFLE RANGE ROAD (ROSEBURG)  
NORTH UMPQUA HWY.  
DOUGLAS COUNTY  
KEY NO. 14473

FOR ODOT REGION 3  
3500 NW. STEWART PKWY.  
ROSEBURG, OR. 97470

OCTOBER 3, 2006  
SCALE: 1" = 50'  
SHEET 5 OF 8

NW. 1/4 SEC. 20, T. 27 S., R. 5 W., W.M.



LEGEND	
▲	SET NETWORK POINT *
—	ODOT RIGHT-OF-WAY
—	STREET RIGHT-OF-WAY
*	FOR CONTROL MONUMENT TABLE SEE SHEET 2

RECORD DATA	
( )	PER ODOT DRG. 5B-13-22
(( ))	PER PLAT OF FIRST ADDITION OF BROOKSIDE TO ROSEBURG
[ ]	PER COUNTY ROAD PLAN

REGISTERED PROFESSIONAL LAND SURVEYOR  
*Marshall R. Wagstaff*  
OREGON  
JANUARY 5, 2001  
MARSHALL R. WAGSTAFF  
49476LS  
EXPIRES 06/30/08

**OREGON DEPARTMENT OF TRANSPORTATION**  
HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT MAP  
OR138E @ RIFLE RANGE ROAD (ROSEBURG)  
NORTH UMPQUA HWY.  
DOUGLAS COUNTY  
KEY NO. 14473

FOR ODOT REGION 3  
3500 NW. STEWART PKWY.  
ROSEBURG, OR. 97470

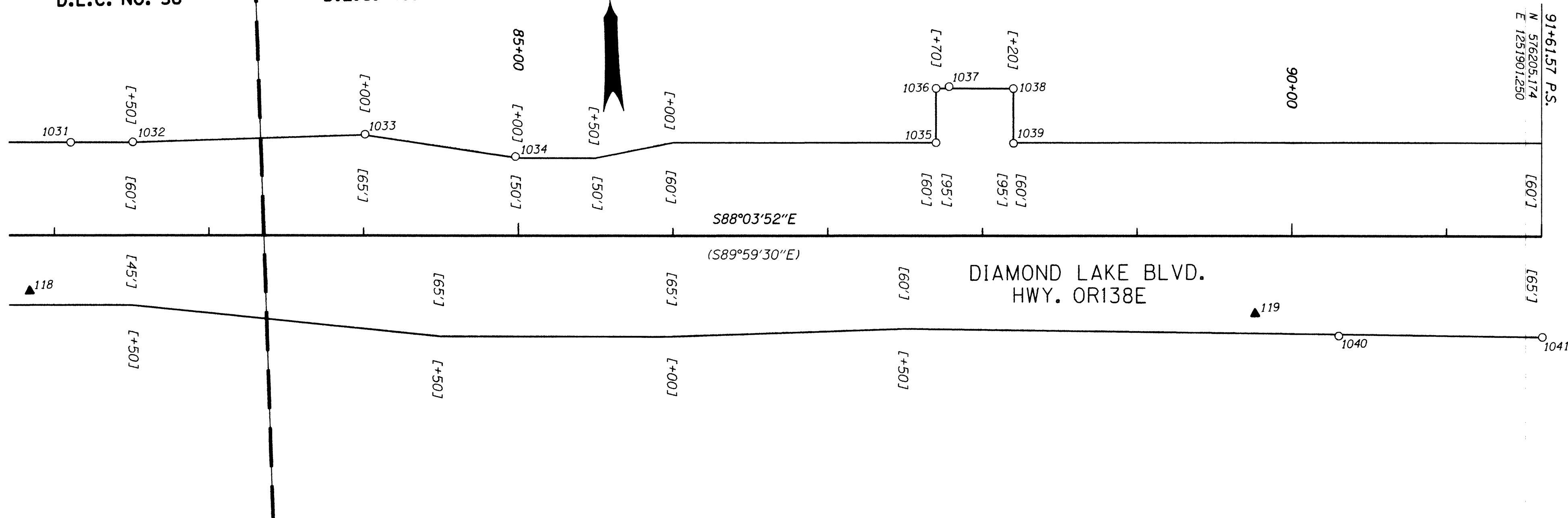
OCTOBER 3, 2006  
SCALE: 1" = 50'  
SHEET 6 OF 8



NE. 1/4 SEC. 20, T. 27 S., R. 5 W., W.M.

WILLIAM T. PEARY  
D.L.C. NO. 38

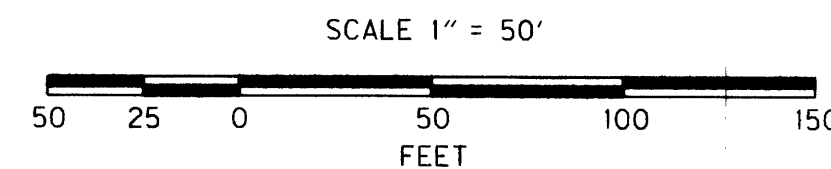
LEONARD HOWE  
D.L.C. NO. 45



LEGEND	
○	FOUND MONUMENT NOTED IN TABLE
▲	SET NETWORK POINT *
—	ODOT RIGHT-OF-WAY
—	STREET RIGHT-OF-WAY
*	FOR CONTROL MONUMENT TABLE SEE SHEET 2

RECORD DATA	
( )	PER ODOT DRG. 5B-13-22
(( ))	PER PLAT OF FIRST ADDITION OF BROOKSIDE TO ROSEBURG
[ ]	PER COUNTY ROAD PLAN

REGISTERED PROFESSIONAL LAND SURVEYOR  
*Marshall R. Wagstaff*  
OREGON JANUARY 9, 2001  
MARSHALL R. WAGSTAFF  
49476LS  
EXPIRES 06/30/08



RECOVERED MONUMENT LIST

PT. NO.	LDP NORTHING	LDP EASTING	STATION	OFFSET (- IS LT.)	DATE	DESCRIPTION	REFERENCE DOCUMENT
1033	576296.225	1251143.207	84+00.88	-65.40	4/21/06	FD. 1 1/4" PLASTIC CAP STAMPED "LANDMARK 2287" 0.3' BELOW SURFACE GOOD CONDITION	M 148-30
1034	576278.617	1251239.866	84+98.08	-51.06	4/21/06	FD. 1 1/4" PLASTIC CAP STAMPED "AA SURVEYING" 0.5' BELOW SURFACE GOOD CONDITION	M 123-8
1035	576278.364	1251511.930	87+70.00	-60.00	4/21/06	FD. 5/8" I. ROD FLUSH W/ SURFACE IN GOOD CONDITION 4" X 4" WOOD WITNESS POST NEARBY FAINTLY MARKED "CRR/W"	CO. RD. PLAN
1036	576313.396	1251513.142	87+70.03	-95.05	4/21/06	FD. 5/8" I. ROD FLUSH W/ SURFACE IN GOOD CONDITION 4" X 4" WOOD WITNESS POST NEARBY FAINTLY MARKED "CRR/W"	CO. RD. PLAN
1037	576314.241	1251521.596	87+78.45	-96.18	4/21/06	FD. 5/8" I. REBAR W/ 1 1/4" PLASTIC CAP STAMPED "AA SURVEYING" 0.3' ABOVE SURFACE GOOD CONDITION	M 123-8
1038	576311.648	1251563.070	88+19.99	-94.99	4/21/06	FD. 5/8" I. ROD 0.4' ABOVE SURFACE IN GOOD CONDITION 4" X 4" WOOD WITNESS POST NEARBY FAINTLY MARKED "CRR/W"	CO. RD. PLAN
1039	576276.325	1251562.004	88+20.11	-59.65	4/21/06	FD. 5/8" I. ROD 0.3' ABOVE SURFACE IN GOOD CONDITION 4" X 4" WOOD WITNESS POST NEARBY FAINTLY MARKED "CRR/W"	CO. RD. PLAN
1040	576145.272	1251767.961	90+30.38	64.37	4/21/06	FD. 5/8" I. REBAR W/ 1 1/4" PLASTIC CAP STAMPED "AA SURVEYING" 0.4' ABOVE SURFACE GOOD CONDITION	M 133-20
1041	576140.305	1251899.611	91+62.12	64.89	4/21/06	FD. 5/8" I. REBAR 0.4' ABOVE SURFACE BENT BADLY WESTERLY 4" X 4" WOOD WITNESS POST NEARBY FAINTLY MARKED "CRR/W"	CO. RD. PLAN

OREGON DEPARTMENT OF TRANSPORTATION  
HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT MAP  
OR138E @ RIFLE RANGE ROAD (ROSEBURG)  
NORTH UMPQUA HWY.  
DOUGLAS COUNTY  
KEY NO. 14473

FOR ODOT REGION 3  
3500 NW. STEWART PKWY.  
ROSEBURG, OR. 97470

OCTOBER 3, 2006  
SCALE: 1" = 50'  
SHEET 8 OF 8