

PROJECT CONTROL, MONUMENT RECOVERY & RIGHT-OF-WAY RETRACEMENT SURVEY

DONATION LAND CLAIM NO. 59, 60 & 61, TOWNSHIP 36 SOUTH, RANGE 2 WEST OF THE WILLAMETTE MERIDIAN, JACKSON COUNTY, OREGON

SHEET INDEX

1. NARRATIVE, PROJECT CONTROL & BASIS OF BEARING
2. LIST OF REFERENCES, RECOVERED MONUMENT TABLE & SURVEY
3. SURVEY

FD = FOUND
BPC = BLUE PLASTIC CAP

PROJECT CONTROL POINT COORDINATE TABLE

PT. NO.	OCRS NORTHING	OCRS EASTING	ELEV.	ELLIPSOID HEIGHT	GEOIDAL SEPARATION	CONVERGENCE ANGLE	DATE	DESCRIPTION
1	236689.51	270100.72	1216.60*	1136.86'	-79.75'	0°15'53"	2-27-17	FD 1" SQUARE HEAD BOLT W/ PUNCH MARK - USED AS PROJECT CONTROL
2	235735.15	270305.64	1221.05'	---	---	0°15'55"	2-27-17	SET 5/8" X 30" REBAR W/ BPC STAMPED "WILD RIVERS CONTROL"
3	235566.11	270033.88	1220.67'	1140.94'	-79.73'	0°15'52"	2-27-17	SET 60d SPIKE W/ WASHER STAMPED "WRS"
4	236072.68	270108.74	1223.70'	---	---	0°15'53"	2-27-17	SET MAGNAIL W/ WASHER STAMPED "WRS"
5	234886.15	270069.02	1223.29*	1143.57'	-79.72'	0°15'53"	4-19-17	SET 5/8" X 30" REBAR W/ BPC STAMPED "WILD RIVERS CONTROL"
6	236146.74	270046.38	1220.69*	1140.96'	-79.73'	0°15'53"	4-19-17	SET 5/8" X 30" REBAR W/ BPC STAMPED "WILD RIVERS CONTROL"

PROJECT CONTROL SCHEMATIC & BASIS OF BEARING
NOT TO SCALE

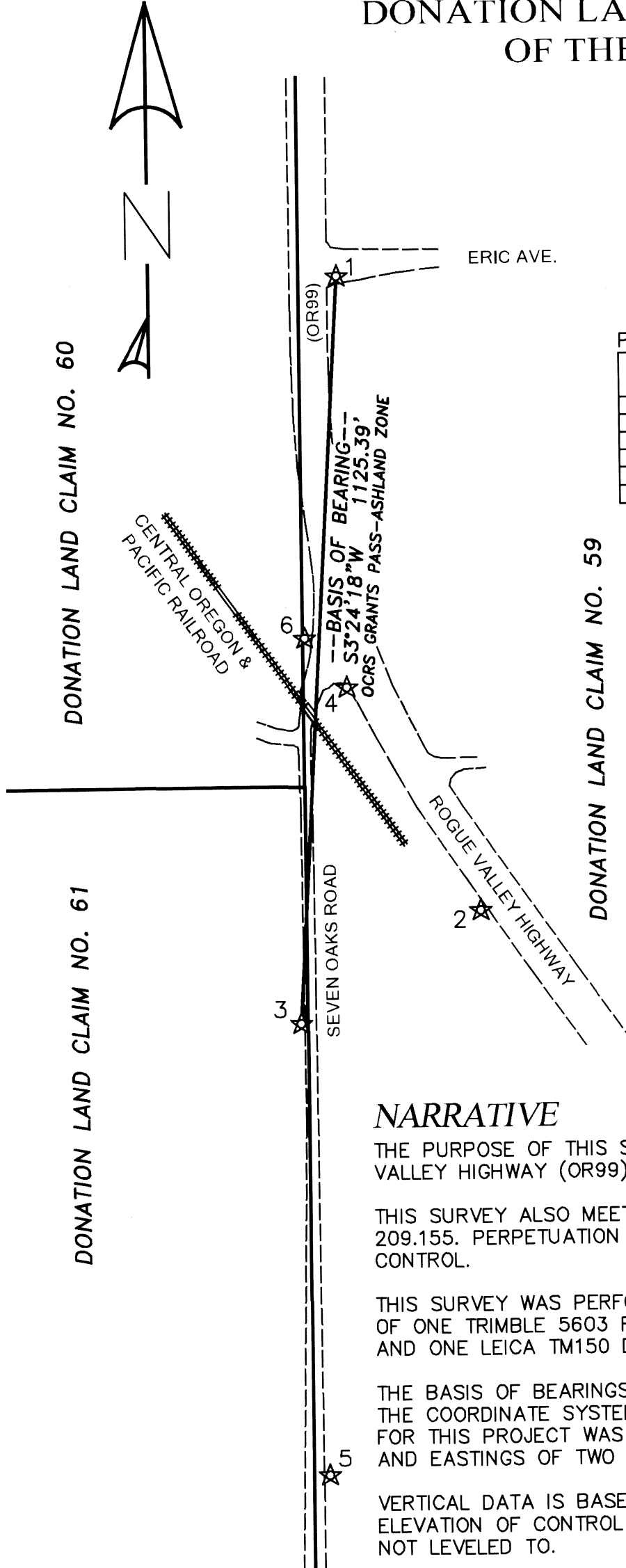
LEGEND/NOTES:

- ☆ PROJECT CONTROL POINT AS NOTED IN TABLE
- EDGE OF PAVEMENT

PT. NO.	SOLUTION	RMS
1	WIDE AREA RTK - L1 FIXED	0.02'
2	WIDE AREA RTK - L1 FIXED	0.01'
3	WIDE AREA RTK - L1 FIXED	0.03'
4	WIDE AREA RTK - L1 FIXED	0.01'
5	WIDE AREA RTK - L1 FIXED	0.01'
6	WIDE AREA RTK - L1 FIXED	0.01'

RMS (ROOT MEAN SQUARE) AFTER A MINIMUM OF 180 MEASUREMENTS OF EACH BASELINE INDICATES THE QUALITY OF THE SOLUTION BASED ON MEASUREMENT NOISE. THE LOWER THE RMS VALUE, THE HIGHER THE QUALITY OF THE BASELINE. RMS IS EXPRESSED IN FEET AND IS THE RADIUS OF THE ERROR CIRCLE WITHIN WHICH 95% OF THE POSITION FIXES ARE FOUND.

FILED
Date 4/24/17 By PB
This Survey Consists Of:
3 sheet(s) Map
2 page(s) Narrative
JACKSON COUNTY SURVEYOR



NARRATIVE

THE PURPOSE OF THIS SURVEY IS TO RESOLVE THE LOCATION OF THE RIGHT-OF-WAY CENTERLINES AND MARGINS OF SEVEN OAKS ROAD, THE ROGUE VALLEY HIGHWAY (OR99) AND THE CENTRAL OREGON AND PACIFIC RAILROAD (CORP). THIS SURVEY WAS MADE AT THE REQUEST OF THE CITY OF CENTRAL POINT.

THIS SURVEY ALSO MEETS THE REQUIREMENTS FOR A MONUMENT RECOVERY SURVEY AS OUTLINED IN THE OREGON REVISED STATUTES CHAPTER 209.155. PERPETUATION OF THE LOCATIONS OF SURVEY MONUMENTS OF RECORD WAS ACCOMPLISHED BY TYING THE MONUMENTS TO THE PROJECT CONTROL.

THIS SURVEY WAS PERFORMED IN FEBRUARY, MARCH AND APRIL OF 2017 AND USES INTERNATIONAL FEET UNITS. THE SURVEY EQUIPMENT USED CONSISTED OF ONE TRIMBLE 5603 ROBOTIC TOTAL STATION, ONE TRIMBLE 5800 GPS RECEIVER, ONE TRIMBLE TSC2 CONTROLLER RUNNING TRIMBLE ACCESS SOFTWARE AND ONE LEICA TM150 DIGITAL LEVEL.

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE OREGON COORDINATE REFERENCE SYSTEM, GRANTS PASS-ASHLAND ZONE, NAD83(2011) EPOCH 2010.00. THE COORDINATE SYSTEM PARAMETERS FOR SAID ZONE ARE AS DEFINED IN OREGON ADMINISTRATIVE RULE CHAPTER 734-005-0015 (3)(p). PRIMARY CONTROL FOR THIS PROJECT WAS ESTABLISHED BY USING THE OREGON REAL TIME GPS NETWORK (ORGN) TO ESTABLISH HORIZONTAL POSITIONS. THE MEAN NORTHINGS AND EASTINGS OF TWO SEPARATE OBSERVATIONS WERE HELD FIXED.

VERTICAL DATA IS BASED ON THE NAVD88 (GEOID12B) DATUM AND WAS ESTABLISHED BY HOLDING THE OREGON REAL TIME GPS NETWORK (ORGN) DERIVED ELEVATION OF CONTROL POINT NUMBER 3. A DIGITAL LEVEL LOOP WAS THEN RUN THROUGH CONTROL POINTS 2 AND 4. CONTROL POINT NUMBERS 1, 5 AND 6 WERE NOT LEVELED TO.

PROJECT CONTROL POINTS FOR THIS SURVEY WERE NOT SET ON AND DO NOT REPRESENT PROPERTY LINES OR RIGHT-OF-WAY LINES AND ARE INTENDED FOR USE BY THE CITY OF CENTRAL POINT AND WILD RIVERS SURVEYING IN SUPPORT OF FUTURE PROJECTS. IT IS NOT THE INTENT OF THE CITY OF CENTRAL POINT OR WILD RIVERS SURVEYING TO PERPETUATE THESE CONTROL POINTS AS MONUMENTS.

CENTRAL OREGON & PACIFIC RAILROAD

THE CENTERLINE OF THE CORP RAILROAD WAS RESOLVED BY A SPLIT OF THE RAILS AT THE INTERSECTIONS WITH WILLOW SPRINGS DRIVE AND SCENIC AVENUE, WITH A CHECK AT THE INTERSECTION WITH SEVEN OAKS ROAD. THE RIGHT-OF-WAY MARGINS WERE THEN OFFSET PARALLEL TO SAID CENTERLINE THE RECORD WIDTH AS SHOWN ON THE SOUTHERN PACIFIC COMPANY RIGHT-OF-WAY AND TRACK MAP NUMBER 60728/5.

ROGUE VALLEY HIGHWAY (OR99) "RV-LINE"

THE CENTERLINE OF THE ROGUE VALLEY HIGHWAY (OR99) WAS RESOLVED BY USING OREGON DEPARTMENT OF TRANSPORTATION RIGHT-OF-WAY DRAWING NUMBERS 7B-22-9 AND 7B-22-17 AS WELL AS RIGHT-OF-WAY DEED VOLUME 396, PAGE 356 OF THE OFFICIAL RECORDS OF JACKSON COUNTY. TO ESTABLISH THE TANGENT BETWEEN CENTERLINE STATIONS 465+99.95 TO PS 472+95.26, THE RECOVERED MONUMENTS STORED AS POINT NUMBERS 1 AND 1014 WERE HELD AT THE RECORD OFFSET FROM CENTERLINE. THE TANGENT BETWEEN STATIONS PT483+35.93 BK AND 495+00.02 WAS RESOLVED BY HOLDING THE MONUMENTS STORED AS POINT NUMBERS 1000 AND 1001 WERE HELD AT THE RECORD OFFSET FROM CENTERLINE. THESE TANGENTS WERE EXTENDED TO INTERSECT WITH EACH OTHER TO LOCATE THE POINT OF INTERSECTION AT STATION 478+27.79. TO RESOLVE THE CENTERLINE CURVES, THE RECORD SPIRAL LENGTH WAS HELD, AS WELL AS THE RECORD CIRCULAR CURVE RADIUS. STATIONING IS BASED ON THE RECORD AHEAD STATION OF THE RECOVERED MONUMENT STORED AS POINT NUMBER 1000. THE EASTERLY RIGHT-OF-WAY MARGIN WAS THEN OFFSET FROM SAID CENTERLINE THE RECORD DISTANCE. THE WESTERLY RIGHT-OF-WAY LINE OF THIS PORTION OF THE ROGUE VALLEY HIGHWAY SOUTHEASTERLY OF THE INTERSECTION WITH SEVEN OAKS ROAD, IS COINCIDENT TO THE EASTERLY RIGHT-OF-WAY OF THE CORP RAILROAD. NORTHERLY OF SAID INTERSECTION, IT HAS BEEN DETERMINED THAT SAID WESTERLY RIGHT-OF-WAY MARGIN GOES BACK TO THE ORIGINAL RIGHT-OF-WAY OF SEVEN OAKS ROAD, BEING A 60 FOOT WIDE RIGHT-OF-WAY WITH THE DLC LINE BEING THE CENTERLINE, AS NO ACQUISITIONS HAVE BEEN MADE SINCE THE TIME THAT THIS PORTION OF THE ROAD WAS DECLARED A STATE HIGHWAY.

SEVEN OAKS ROAD

THE RIGHT-OF-WAY MARGINS FOR SEVEN OAKS ROAD WERE RESOLVED BY HOLDING THE EAST LINES OF DONATION LAND CLAIM (DLC) NUMBERS 60 AND 61, TOWNSHIP 36 SOUTH, RANGE 2 WEST OF THE WILLAMETTE MERIDIAN, AS IS HOW ALL PREVIOUS FILED SURVEYS ALONG SEVEN OAKS ROAD HAVE DONE. THE NORTHEAST AND SOUTHEAST CORNERS OF SAID DLC NUMBER 60 AND THE CLOSING CORNER ON THE EAST LINE OF SAID DLC NUMBER 61 AT THE SOUTH LINE OF SAID TOWNSHIP AND RANGE WERE HELD FOR SAID EAST DLC LINES. SEVEN OAKS ROAD WAS ORIGINALLY ESTABLISHED AS FOUND IN JACKSON COUNTY ROAD RECORD VOLUME 1, PAGE 161. AS NOTED ON SURVEY NUMBER 10601, THE 1910 COUNTY ROAD SURVEY MONUMENTED "PI" LOCATIONS ALONG SEVEN OAKS ROAD, BUT THAT NO EFFORT WAS MADE TO DETERMINE THE "OFFICIAL" CENTERLINE. I HAVE FOUND NO WRITTEN DESCRIPTION OF THE CENTERLINE OF SEVEN OAKS ROAD THAT FOLLOWS THE CENTERLINE AS MONUMENTED IN SAID 1910 COUNTY ROAD SURVEY. IN ADDITION TO THE ORIGINAL SURVEY CENTERLINE IN THE PETITION FILE, VOLUME 97, PAGE 114 AND VOLUME 251, PAGE 98 CALL TO THE ORIGINAL STONES MONUMENTING THE EAST LINES OF DONATION LAND CLAIMS 60 AND 61 AND ALSO CALLS THESE STONES TO BE IN THE "CENTER OF THE COUNTY ROAD." TO FOLLOW WITH ALL PREVIOUSLY FILED SURVEYS WHICH HAVE SET MONUMENTS ALONG THE RIGHT-OF-WAY OF SEVEN OAKS ROAD, SAID EAST DLC LINES ARE BEING USED AS THE CENTERLINE OF SEVEN OAKS ROAD RIGHT-OF-WAY.

PREPARED FOR:
City of Central Point
140 S. 3rd Street
Central Point, OR 97502

REGISTERED PROFESSIONAL LAND SURVEYOR

A City
OREGON
JULY, 12 2005
ARON JAMES CUTSFORTH
65696
RENEWS: DEC. 31, 2017

WILD RIVERS SURVEYING, LLC

3339 GREEN ACRES DRIVE
CENTRAL POINT, OR 97502
(541) 727-8545

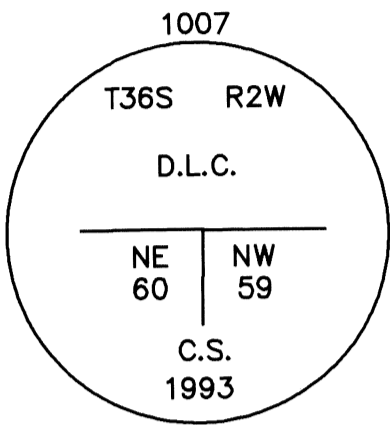
WWW.WILDRIVERSSURVEYING.COM

PROJECT NO: 17-002 PRINT DATE: 4/21/2017
SHEET 1 OF 3

PROJECT CONTROL, MONUMENT RECOVERY & RIGHT-OF-WAY RETRACEMENT SURVEY

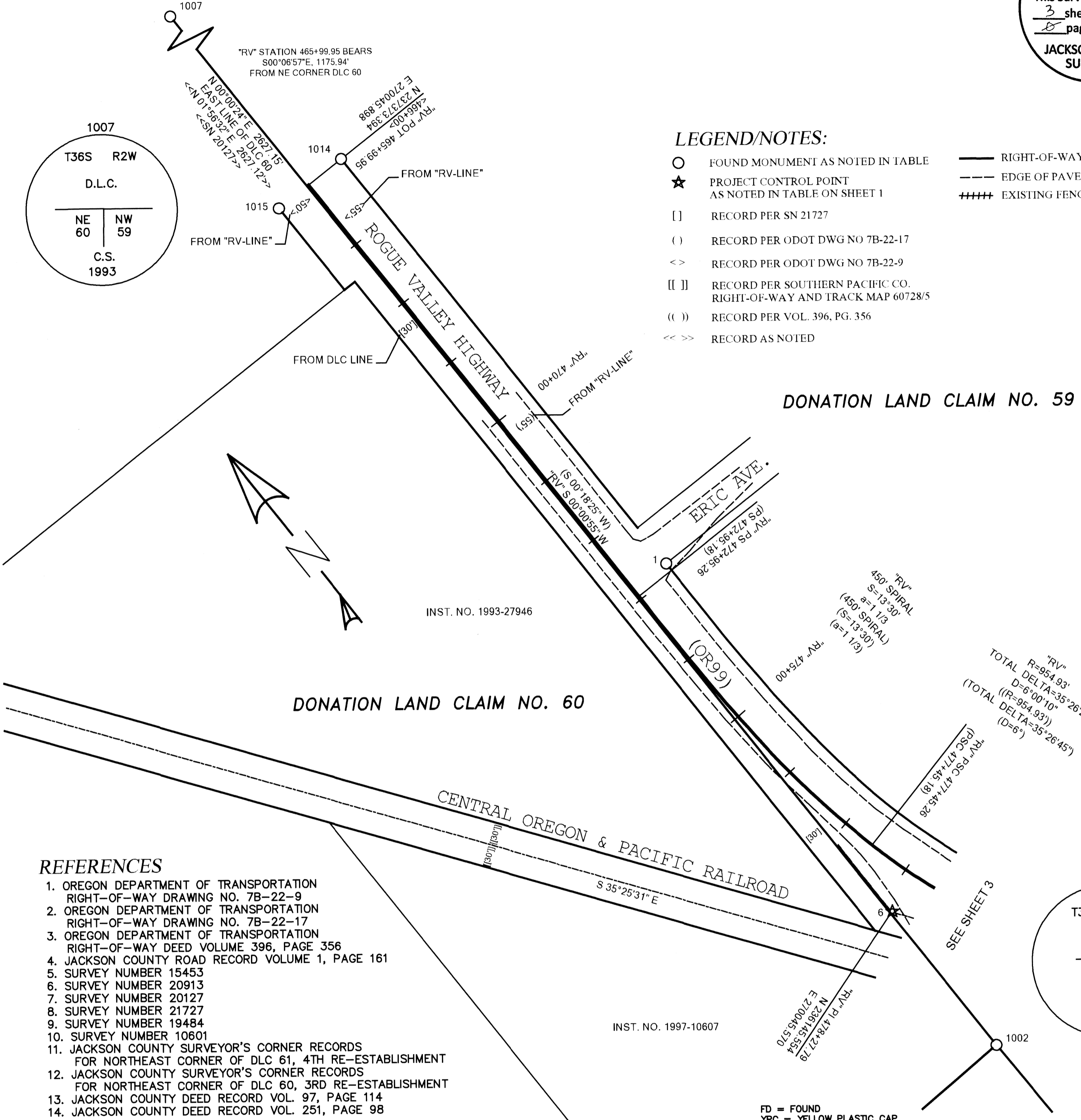
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**JACKSON COUNTY
SURVEYOR**



LEGEND/NOTES:

- FOUND MONUMENT AS NOTED IN TABLE
- ★ PROJECT CONTROL POINT AS NOTED IN TABLE ON SHEET 1
- [] RECORD PER SN 21727
- () RECORD PER ODOT DWG NO 7B-22-17
- <> RECORD PER ODOT DWG NO 7B-22-9
- [] RECORD PER SOUTHERN PACIFIC CO. RIGHT-OF-WAY AND TRACK MAP 60728/5
- (()) RECORD PER VOL. 396, PG. 356
- <<>> RECORD AS NOTED
- RIGHT-OF-WAY LINE
- - - EDGE OF PAVEMENT
- #### EXISTING FENCE



REFERENCES

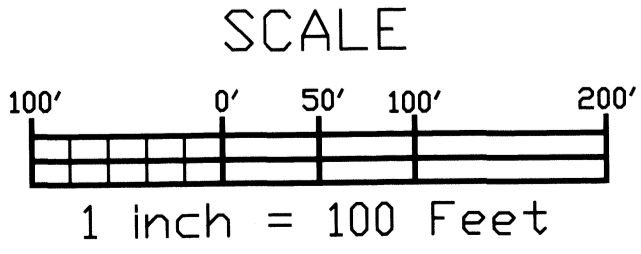
1. OREGON DEPARTMENT OF TRANSPORTATION RIGHT-OF-WAY DRAWING NO. 7B-22-9
2. OREGON DEPARTMENT OF TRANSPORTATION RIGHT-OF-WAY DRAWING NO. 7B-22-17
3. OREGON DEPARTMENT OF TRANSPORTATION RIGHT-OF-WAY DEED VOLUME 396, PAGE 356
4. JACKSON COUNTY ROAD RECORD VOLUME 1, PAGE 161
5. SURVEY NUMBER 15453
6. SURVEY NUMBER 20913
7. SURVEY NUMBER 20127
8. SURVEY NUMBER 21727
9. SURVEY NUMBER 19484
10. SURVEY NUMBER 10601
11. JACKSON COUNTY SURVEYOR'S CORNER RECORDS FOR NORTHEAST CORNER OF DLC 61, 4TH RE-ESTABLISHMENT
12. JACKSON COUNTY SURVEYOR'S CORNER RECORDS FOR NORTHEAST CORNER OF DLC 60, 3RD RE-ESTABLISHMENT
13. JACKSON COUNTY DEED RECORD VOL. 97, PAGE 114
14. JACKSON COUNTY DEED RECORD VOL. 251, PAGE 98

RECOVERED MONUMENT LIST

ALL FOUND MONUMENTS ARE IN GOOD CONDITION UNLESS NOTED OTHERWISE

PT. NO.	O.C.R.S. NORTHING	O.C.R.S. EASTING	STATION	OFFSET	DATE	DESCRIPTION
1	236889.51	270100.72	472+83.82	55.00' LT	3-13-17	FD 1" SQUARE HEAD BOLT W/ PUNCH MARK, FLUSH, PER PLAT OF CRATER PARK SUBDIVISION
1000	235743.50	270399.05	484+15.71	55.00' LT	3-13-17	FD 3" BRASS DISK IN CONCRETE STAMPED "STATE HIGHWAY DEPARTMENT BM NO R549, FLUSH, PER ODOT DWG. 7B-22-17
1001	234859.91	271027.58	495+00.02	55.00' LT	3-13-17	FD 5/8" IRON ROD WITH CARBONITE POST, FLUSH, PER ODOT DWG. 7B-22-17
1002	235922.19	270043.22	---	---	3-13-17	FD 2-1/2" BRASS CAP IN CONCRETE STAMPED "T36S R2W DLC SE 60 NE 61 CS 1998", FLUSH, PER JCS FOURTH RE-ESTABLISHMENT
1003	236117.28	270174.23	478+85.74	54.72' LT	3-13-17	FD 5/8" IRON ROD, BENT DOWN 0.7', PER ODOT DWG. 7B-22-17
1004	235576.77	270011.35	---	---	3-13-17	FD 5/8" IRON ROD W/ YPC STAMPED "LS 2011", DOWN 0.2', PER SN 19484
1005	235593.29	270011.37	---	---	3-13-17	FD 5/8" IRON ROD W/ YPC STAMPED "LS 2011", DOWN 0.1', PER SN 19484
1006	236037.89	270065.23	479+16.35	76.55' RT	3-13-17	FD 4" BRASS CAP STAMPED "US GEOLOGICAL SURVEY BM" NGS PID N20217
1007	236549.34	270043.52	---	---	3-13-17	FD 2-1/2" BRASS CAP IN CONCRETE STAMPED "T36S R2W DLC NE 60 NW 59 CS 1993", FLUSH, PER JCS THIRD RE-ESTABLISHMENT
1008	235814.68	270069.87	---	---	3-13-17	FD 5/8" IRON ROD, LEANING WESTERLY, REFERENCE TO DLC CORNER, PER JCS FOURTH RE-ESTABLISHMENT
1009	235938.34	270015.80	---	---	3-13-17	FD 5/8" IRON ROD REFERENCE TO DLC CORNER, UP 0.1', PER JCS FOURTH RE-ESTABLISHMENT
1010	233264.16	270044.56	---	---	3-17-17	FD 5/8" IRON ROD W/ YPC (ILLEGIBLE), DOWN 0.3', PER SN 10601
1012	236014.29	270065.83	---	---	3-17-17	FD MAGNAIL AT CENTERLINE OF RAILROAD IN CENTER OF TIE, PER SN 20127
1014	237373.38	270100.90	465+99.95	55.00' LT	3-17-17	FD 5/8" IRON ROD, DOWN 0.2', PER ODOT DWG 7B-22-9
1015	237373.59	269995.97	465+99.77	49.93' RT	3-17-17	FD 5/8" IRON ROD, DOWN 0.2', BENT, PER ODOT DWG 7B-22-9

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SHEET 2 OF 3

