

SEC. 20 AND 21, T. 28 S., R. 6 W., W.M.

FILED
 Date: 3/3/2004 By: JP
 This survey consists of: 7 SHEETS
 Map: ST HWY 42-009A
 Narrative: _____
 Corner Rpt: _____
 DOUGLAS COUNTY
 SURVEYOR

▲ 4
 (TRUE LOCATION OFF MAP)
 ▲ 2
 (TRUE LOCATION OFF MAP)

(TRUE LOCATION OFF MAP)
 ▲ 1

WT2
 (TRUE LOCATION OFF MAP)

▲ 3

LOOKINGGLASS
 CREEK



▲ 5

COOS BAY - ROSEBURG HWY.

▲ 6

▲ 7

Sec. 20
 Sec. 21

▲ 8

GLENHART AVE.

▲ 102

COOS BAY - ROSEBURG HWY.

▲ 9

▲ 10

▲ 11

(TRUE LOCATION OFF MAP)
 ▲ 105

BASIS OF BEARING
 N 11°35'27" E
 873.78 FEET

▲ 103
 (TRUE LOCATION OFF MAP)

LEGEND	
▲	SET NETWORK POINT
△	FOUND NETWORK POINT
⊠	FOUND MONUMENT USED AS NETWORK POINT

BASIS OF BEARING AND CONTROL NETWORK SCHEMATIC
 NOT TO SCALE

SURVEY NARRATIVE

THE PURPOSE OF THIS SURVEY WAS TO ESTABLISH HORIZONTAL CONTROL AND RETRACE THE EXISTING RIGHTS OF WAY FOR AN OREGON DEPARTMENT OF TRANSPORTATION (ODOT) PROJECT CALLED "OR42: LOOKINGGLASS CREEK - GLENHART AVENUE". THE CONTROL NETWORK WAS CONDUCTED BY AN ODOT SURVEY CREW FROM ROSEBURG BETWEEN SEPTEMBER 9 AND 10, 2003. THE ORIGINAL FIELD NOTES ARE ARCHIVED IN SALEM AS BOOK #4102.

THE BASIS OF BEARING OF N 11°35'27" E IS TAKEN FROM FOUND MONUMENTS ON FILED SURVEY "STATE HWY. 42-007" (POINTS 103 AND 105). THE COORDINATE BASE IS THE SAME AS THE REFERENCED SURVEY; LOCAL DATUM PLANE COORDINATES REPRESENTING TRUE GROUND DISTANCES ARE SHOWN ON THIS MAP AND WERE DERIVED FROM THE OREGON STATE PLANE COORDINATE SYSTEM OF 1927, SOUTH ZONE. THE METRIC COORDINATES FROM THE REFERENCED SURVEY WERE DIVIDED BY 0.30480061 TO OBTAIN ENGLISH COORDINATES FOR THIS SURVEY.

A LEICA "TCA 1800" TOTAL STATION (SERIAL #418939) WAS USED TO MAKE ALL NETWORK AND MONUMENT TIES. THE LEICA TCA HAS THE FOLLOWING ACCURACY: STANDARD ANGULAR ERROR OF +/- 1 SECOND, AND A STANDARD DISTANCE ERROR OF +/- 2 MM, +/- 2 PPM.

THE NETWORK WAS ADJUSTED USING A LEAST SQUARES ROUTINE WITH "CAICE" SOFTWARE. THIS ADJUSTMENT PRODUCED ANGULAR AND DISTANCE RESIDUALS (THE AMOUNT THE FIELD OBSERVED MEASUREMENTS WERE CHANGED DUE TO THE ADJUSTMENT). 70% OF THE ANGULAR RESIDUALS WERE WITHIN 3 SECONDS AND 100% WERE WITHIN 7 SECONDS. 100% OF THE DISTANCE RESIDUALS WERE WITHIN 0.009 FEET. THERE IS A 95% PROBABILITY THAT THE FINAL POSITIONS OF THE NETWORK POINTS ARE WITHIN THE ERROR ELLIPSES AS SHOWN ON THE "CONFIDENCE LEVEL LIMITS" TABLE. (SEE SHT. 2)

CENTERLINE RESOLUTION NARRATIVE

ON THE WEST END OF THE ALIGNMENT THE RECORD STATION AND OFFSET WERE HELD AT POINT 1528 (STATION 1446+00, 40' LEFT). ON THE EAST END A SPLIT BETWEEN POINTS 1009 AND 1036 WAS HELD FOR THE CENTERLINE; THIS SPLIT WAS ALSO HELD AS STATION 1489+00. ODOT DRAWING NOS. 9B-7-5 AND 6B-28-22 WERE USED FOR THIS RESOLUTION. BETWEEN THE TWO DRAWINGS THERE IS A DISCREPANCY WITH THE STATIONING, THUS THE EQUATION AT 1487+00 WAS ADDED.

THE PROPERTY LINES SHOWING THE ADJACENT PARCELS TO THE HIGHWAY ARE NOT INTENDED TO REPRESENT INDIVIDUAL BOUNDARY SURVEYS. THESE PARCELS WERE PROTRACTED IN USING RECORD DEEDS AND RECORD SURVEYS. THE OWNERSHIPS AND DEED NUMBERS SHOWN HERE WERE OBTAINED IN AUGUST OF 2003.

OREGON DEPARTMENT OF TRANSPORTATION
 HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT MAP

OR42: LOOKINGGLASS CR. - GLENHART AVE.
 COOS BAY-ROSEBURG HIGHWAY (42)

DOUGLAS COUNTY

FEBRUARY 25, 2004 FOR ODOT REGION 3
 3500 NW STEWART PKWY., ROSEBURG, OR 97470

SHEET 1 OF 7

REGISTERED
 PROFESSIONAL
 LAND SURVEYOR

Christine V. Blewins

OREGON
 JULY 19, 1994
 CHRISTINE V. BLEWINS
 2669

EXPIRES: DEC. 31, 2005

ST. HWY. 42-009A