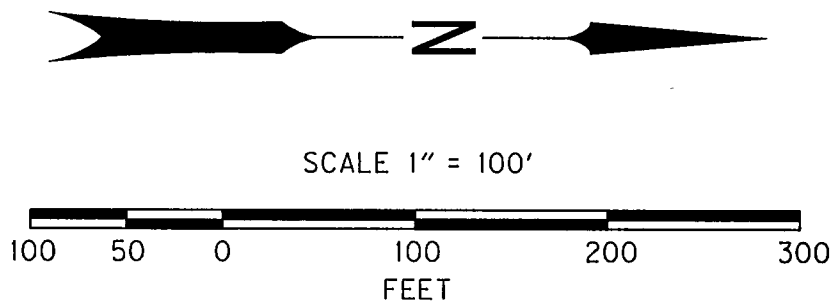


SW 1/4 SEC. 25, T. 14 S., R. 31 E., W.M.
NW 1/4 SEC. 36, T. 14 S., R. 31 E., W.M.



NARRATIVE

THE PURPOSE OF THIS SURVEY IS TO AMEND MAP OF SURVEY NO. 2081 DUE TO AN INCORRECT COORDINATE BEING HELD FOR THE GPS BASE STATION (POINT 500). ORIGINAL CONTROL POINTS 500 AND 104 WERE DESTROYED DUE TO HIGHWAY MAINTENANCE ACTIVITIES, SO A NEW GPS DERIVED POSITION USING OPUS WAS ESTABLISHED ON POINT 102. THE CORRECTED POSITIONS OF THE CONTROL POINTS SHIFTED THE LINEWORK AND COORDINATES S27°16'08"E, 9.74 FEET. THIS SURVEY RESOLVES THE EXISTING RIGHT OF WAY CENTER LINE AND RETRACES THE EXISTING RIGHT OF WAY MARGINS FOR A PORTION OF THE JOHN DAY-BURNS HIGHWAY (US395) IN THE VICINITY OF THE BRIDGE CROSSING CANYON CREEK AT APPROXIMATE MILE POINT 7.2. THIS SURVEY MEETS THE REQUIREMENTS FOR A RECOVERY SURVEY AS OUTLINED IN THE OREGON REVISED STATUTES, SECTION 209.155.

THIS SURVEY WAS PERFORMED IN INTERNATIONAL FEET UNITS. THIS SURVEY WAS PERFORMED DURING THE MONTH OF FEBRUARY, 2016. THE SURVEY EQUIPMENT USED CONSISTED OF A LEICA GS-14 RECEIVER, A LEICA MS-50 TOTAL STATION, AND LEICA VIVA SURVEY CONTROLLERS.

CONTROL NARRATIVE

THE CORRECTED SURVEY CONTROL WAS REESTABLISHED ON THIS PROJECT BY USING GPS AND THE ONLINE POSITIONING USER SERVICE (OPUS) TO ESTABLISH A POSITION ON POINT 102. A SUBSEQUENT RTK GPS SURVEY WAS USED TO ESTABLISH POSITIONS ON POINTS 102, 105, 106, AND 501. THE COORDINATE SYSTEM FOR THIS PROJECT IS THE OREGON STATE PLANE COORDINATE SYSTEM, NAD83 (2011) EPOCH 2010, NORTH ZONE.

THE BEARINGS SHOWN ON THIS SURVEY ARE GRID BEARINGS BASED UPON GPS OBSERVATIONS ON POINTS 500 AND 104 FROM MAP OF SURVEY NO. 2081.

COORDINATES WERE MOVED TO GROUND BY UTILIZING A LOCAL DATUM PLANE (LDP) COORDINATE SYSTEM. TO CONVERT THE PROJECT LDP COORDINATES TO THE OREGON COORDINATE SYSTEM, NORTH ZONE, NAD83 (2011) EPOCH 2010, MULTIPLY THE VALUES BY A COMBINED FACTOR OF 0.99982947. THE SCALE FACTOR WAS HELD FROM THE OPUS REPORT.

JOHN DAY - BURNS HIGHWAY (US HWY. 395)

THE RECORD SHAPE OF THE CENTER LINE FOR JOHN DAY - BURNS HIGHWAY WAS RECREATED AS SHOWN ON ODOT DRAWING 10B-5-9 AND POSITIONED BY HOLDING THE MONUMENT FOUND AT P.I. STATION 267+25.600, AND ROTATING THE ALIGNMENT TO HOLD PRORATED DISTANCE BETWEEN THE MONUMENTS FOUND AT RECORD STATION 236+50 P.O.T. STATIONING WAS HELD AT SAID STATION 267+25.600 P.I. THE RIGHT OF WAY ALIGNMENT SHOWN ON ODOT DRAWING 8B-18-25 WAS ALSO RECREATED AND POSITIONED BY HOLDING THE GEOMETRIC RELATIONSHIP WITH THE MONUMENTED ALIGNMENT SHOWN ON ODOT DRAWING 10B-5-9. THE RIGHT OF WAY MARGINS WERE ESTABLISHED BY HOLDING THE RIGHT OF WAY WIDTHS SHOWN ON SAID ODOT DRAWINGS 8B-18-25 AND 10B-5-9.

NETWORK POINT COORDINATE TABLE

PT ID	LDP NORTHING	LDP EASTING	DATE	DESCRIPTION
102	242532.19	8609570.40	2/08/2016	FOUND 5/8" IRON ROD WITH 1-1/2" ALUMINUM CAP MARKED APA WA 35140 OR 2537 102"
104	242149.19	8609309.08	2/08/2016	FOUND 5/8" IRON ROD WITH 1-1/2" ALUMINUM CAP MARKED APA WA 35140 OR 2537 104", DESTROYED
105	242758.39	8609563.83	6/19/2018	SET 5/8" IRON ROD WITH RED PLASTIC CAP MARKED "ODOT CONTROL"
106	242398.03	8609425.56	6/19/2018	SET 5/8" IRON ROD WITH RED PLASTIC CAP MARKED "ODOT CONTROL"
500	242760.55	8609569.31	2/08/2016	SET 5/8" IRON ROD WITH 1-1/2" ALUMINUM CAP MARKED "OREGON DEPT OF TRANS", DESTROYED
501	242484.29	8609501.16	2/08/2016	SET HUB WITH PUNCH MARK

LEGEND	
○	FOUND MONUMENT PER TABLE ON SHEET 2
△	FOUND NETWORK POINT
▲	SET NETWORK POINT
⊗	DESTROYED NETWORK POINT
()	RECORD DATA PER REFERENCE LIST ON SHEET 2
—	RESOLVED RIGHT OF WAY
---	EXISTING RIGHT OF WAY OR PROPERTY LINE
- - -	EDGE OF PAVEMENT
- - -	EDGE OF GRAVEL
- x -	FENCE
- + -	GUARDRAIL
—+—	RIGHT OF WAY CENTER LINE

REGISTERED
PROFESSIONAL
LAND SURVEYOR

OREGON
JAN. 14, 2003
BRET N. ELITHORP
63148

EXPIRES: DEC. 31, 2019

OREGON DEPARTMENT OF TRANSPORTATION

AMENDED HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT MAP

US395: CANYON CREEK FLOOD MITIGATION

JOHN DAY - BURNS HIGHWAY (US 395)

GRANT COUNTY, OR

FOR ODOT REGION 5
3012 ISLAND AVENUE
LA GRANDE, OR 97850

JULY 9, 2018
SCALE: 1" = 100'
SHEET 1 OF 2