NW 1/4 SECTION 22 T36S R3W WM NE 1/4 SECTION 22 T36S R3W WM

SURVEY NARRATIVE

THIS SURVEY WAS MADE AS RESULT OF THE OREGON DEPARTMENT OF TRANSPORTATIONS OR 99: ROGUE RIVER BRIDGE, GOLD HILL SPUR PROJECT. THE PURPOSE OF THIS SURVEY IS TO RECORD POSITIONS OF MONUMENTS OF RECORD, RESOLVE THE EXISTING RIGHT OF WAY (R/W) CENTERLINES, AND DEFINE THE EXISTING RIGHT OF WAY LINES AS DIRECTED IN OREGON REVISED STATUTE (ORS) 209.155.

"3B" CENTERLINE

THE '3B' CENTERLINE AS SHOWN HEREON WAS RESOLVED UTILIZING MONUMENTATION FROM MAP OF SURVEYS 1401, 18624, AND 20399, AS WELL AS THE RIGHT OF WAY CENTERLINE SHOWN ON ODOT DRAWING 3B-2-9. RECORD GEOMETRY FROM SAID ODOT DRAWING WAS CALCULATED AND TANGENTS WERE DETERMINED AS FOLLOWS:

THE WESTERLY TANGENT WAS HELD AT BEING 3 FEET NORTHERLY AND PARALLEL FROM POINT NUMBERS 1031 & 1027, WHICH MARKS THE CENTERLINE OF THE ORIGINAL (SECOND AVE) PER THE TOWN OF GOLD HILL SUBDIVISION. HOLDING THE PLACED WESTERLY TANGENT AND RECORD DELTA ANGLE, THE P.I. WAS SLID TO FIT RECORD OFFSET OF POINT NUMBER 1023. HOLDING RECORD GEOMETRY AND CONTINUING TO THE EAST, THE ALIGNMENT FIT WELL TO THE PHYSICAL CENTERLINE OF THE BRIDGE AS WELL AS THE CALCULATED INTERSECTION OF OLD PACIFIC HIGHWAY AND CHAVENOR ROAD AS SHOWN ON SURVEY NUMBER 2074. THE CURVES BETWEEN RESOLVED TANGENTS WERE DETERMINED BY HOLDING RECORD DEGREE OF CURVE. RECORD STATIONING PER '3B' MAP WAS HELD AT EVENT POINT '3B' 508+11.10 P.T.

"RR" CENTERLINE

THE 'RR' CENTERLINE WAS RESOLVED UTILZING RECORD INFORMATION FROM RAIL ROAD MAP V-16 7, IN CONJUNCTION WITH THE PHYSICAL CENTERLINE OF THE RAILROAD TRACKS AND MONUMENTATION FROM SURVEY NUMBER 14720. THE WESTERLY TANGENT BETWEEN STATION 'RR' 1035+00 AND 'RR' 1117+30 WAS PLACED HOLDING THE PHYSICAL CENTERLINE OF THE TRACKS ON THE WEST AND THE MIDPOINT BETWEEN POINT NUMBERS 1026 AND 1035 ON THE EAST. THIS RECORD FIGURE WAS THEN SLID ALONG THIS ESTABLISHED TANGENT TO HOLD THE CENTERLINE OF THE TRACKS OF THE NORTHEASTERLY TANGENT BETWEEN STATIONS 1137+50 AND 1145+00. RECORD DEGREE OF CURVE WAS USED BETWEEN THESE ESTABLISHED TANGENTS TO RESOLVE THE CURVE AND RECORD STATIONING WAS HELD AT EVENT POINT 'RR' 1117+30.00 P.C.

"C" CENTERLINE

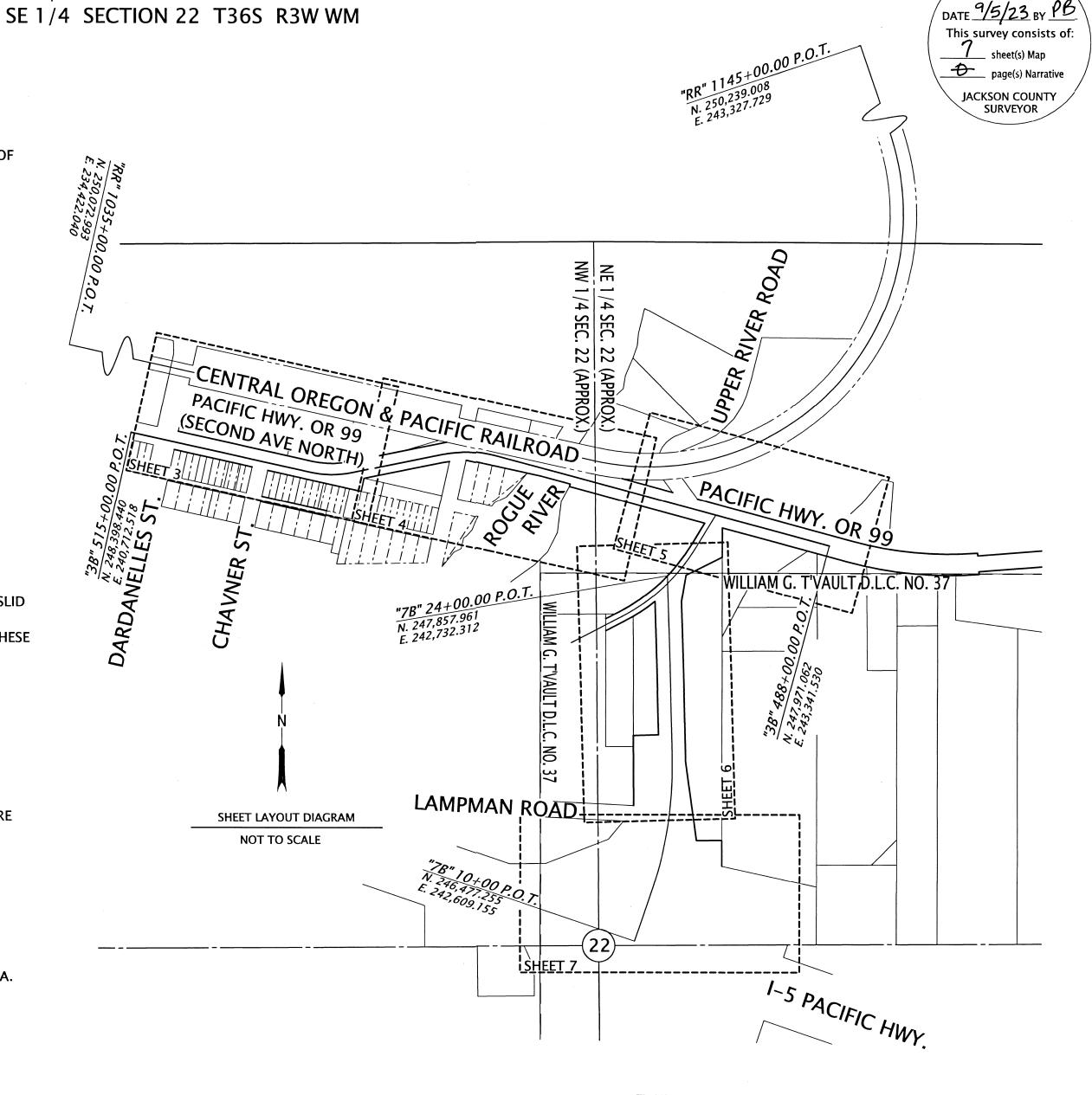
THE 'C" CENTERLINE (FORMERLY CHAVENOR ROAD) WAS RESOLVED UTILIZING RECORD DATA FROM COUNTY SURVEY NUMBER 2074, AS WELL AS MAP CALLED "CHAVENOR ROAD" PER JACKSON COUNTY ROAD RECORDS. RECORD GEOMETRY FROM SAID "CHAVENOR ROAD" SURVEY WAS CALCULATED AND TRANSLATED TO POINT NUMBER 1010 BEING HELD AT RECORD OFFSET ALONG THE WESTERLY RIGHT OF WAY AT STATION 282+03.00 P.T. THIS FIGURE WAS ROTATED TO RECORD OFFSET OF POINT 1008. THE RESULTING FOUND MONUMENTS PER SURVEY 2074 FIT IN AN ACCEPTABLE TOLERANCE AND THEREFORE HELD FOR ALIGNMENT. RECORD STATIONING OF 'C' 282+03.00 PER CHAVENOR ROAD SURVEY WAS HELD AT POINT 1010.

"7B" CENTERLINE

THE ACCESS ROAD "K" CENTERLINE WAS RESOLVED UTILIZING DATA SHOWN ON ODOT RW MAP 7B-8-8 IN CONJUNCTION WITH MONUMENTS RECOVERED AS SHOWN ON COUNTY SURVEY NUMBER 15750. HOLDING THE WESTERLY RIGHT OF WAY 18+13.33 P.T. TO POINT 1011, THE RECORD FIGURE OF MAP 15750 WAS ROTATED TO POINT 1039. THE RESULT FIT WELL WITH THE NW DLC CORNER, POINT 1013, AS WELL AS POINT NUMBER 1036. THE RESULTING RIGHT OF WAY OFFSETS WERE CALCULATED BASED ON RECORD DATA.

SHEET INDEX:

- SURVEY NARRATIVE, SHEET LAYOUT
- 2 CONTROL NARRATIVE, NETWORK DIAGRAM, SURVEY REFERENCES
- 3-7 SURVEY SHEETS



REGISTERED PROFESSIONAL LAND SURVEYOR

OREGON MARCH 14, 2017 ZACHARY P. EARLE 91474

EXPIRES: 12/31/2023

OREGON DEPARTMENT OF TRANSPORTATION

HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT.

OR99- ROGUE RIVER BRIDGE, GOLD HILL SPUR

JACKSON COUNTY



ODOT REGION 3 TECH CENTER 100 ANTELOPE RD. WHITE CITY, OR 97503 KEY NO. 22630 AUGUST 8, 2023 NO SCALE SHEET 1 OF 7

** RECEIVED **

ASSESSORS MAPS:

363W22BA 363W22A

CONTROL INFORMATION

SURVEY DATUM- PER OAR 734-005-015 OREGON COORDINATE

REFERENCE SYSTEM (OCRS): GRANTS PASS – ASHLAND ZONE

NAD83(2011) EPOCH 2010 (INTERNATIONAL FEET)

EQUIPMENT-

THE FIELD WORK FOR THIS PROJECT WAS PERFORMED FROM MARCH THROUGH JUNE OF 2023. 1 LEICA GS14 GNSS RECEIVER, 1 LEICA CS20 DATA COLLECTOR, AND 1 LEICA TS15 TOTAL STATION WERE

UTILIZED TO PERFORM THE FIELD WORK.

HORIZONTAL CONTROL:

PRIMARY CONTROL FOR THIS PROJECT WAS ESTABLISHED BY USING THE OREGON REAL TIME GEODETIC NETWORK (ORGN) TO ESTABLISH CONTROL POSITIONS FOR CONTROL POINTS SHOWN HEREON. THE MEAN NORTHINGS AND EASTINGS OF A MINIMUM OF TWO SEPERATE 300 EPOCH OBSERVATIONS UNDER DIFFERENT SATELLITE CONSTELLATIONS WERE HELD FIXED. A SUBSEQUENT TERRESTRIAL NETWORK WAS PERFORMED ON CONTROL POINTS SHOWN HEREON. UTILIZING FIXED VALUES FOR POINT NUMBERS 1, 2263009, AND THE ORGN VALUE FOR STATION CTPT, THIS NETWORK WAS PROCESSED AND ADJUSTED UTILIZING A 3D LEAST SQUARES ADUSTMENT.

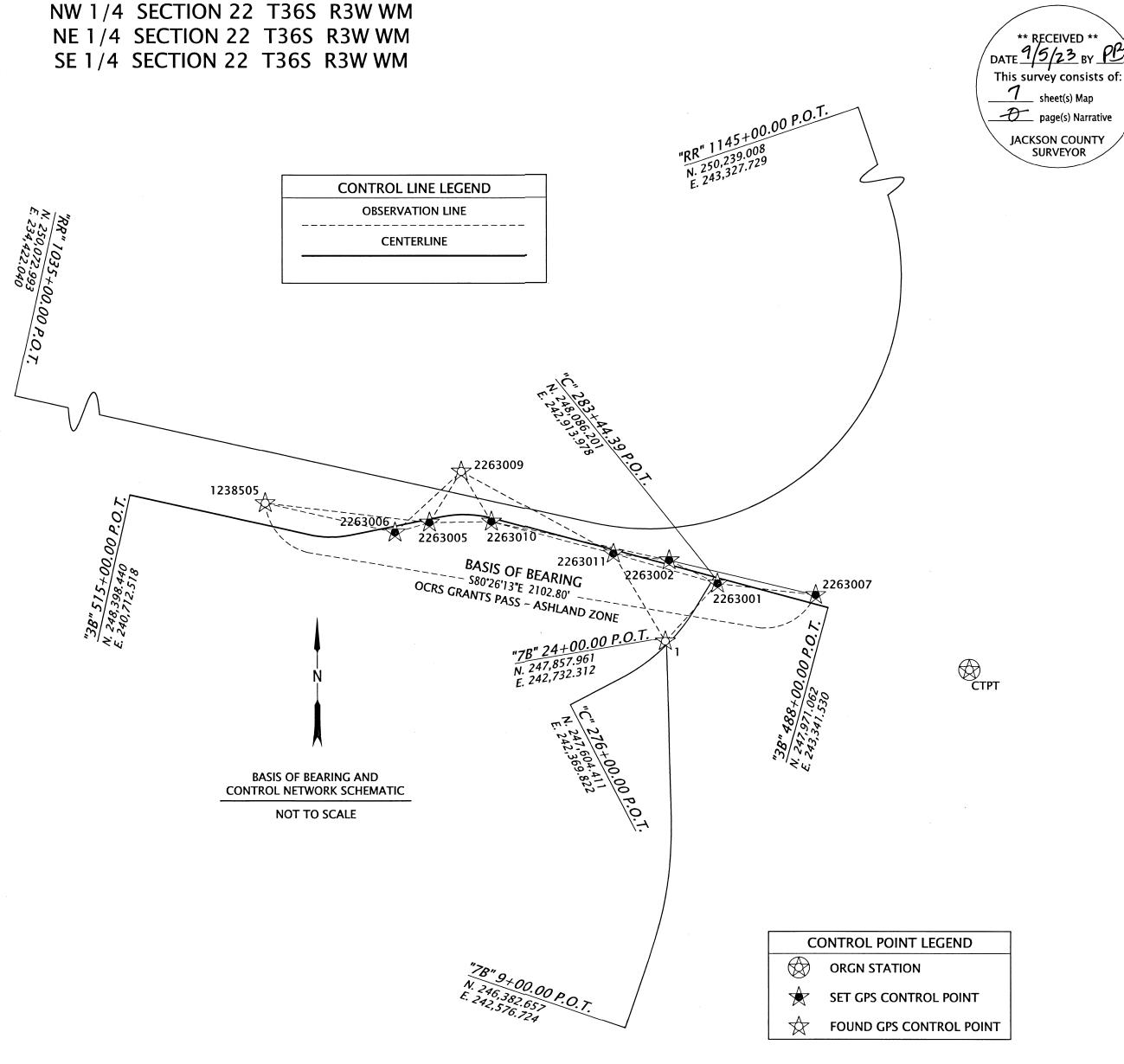
RECOVERED MONUMENTATION:

ALL FOUND MONUMENTATION WAS MEASURED UTILIZING 2 REDUNDANT 60 EPOCH GNSS OBSERVATIONS WHILE CONNECTED TO THE ORGN IN ACCORDANCE WITH ODOT'S SURVEY POLICY AND PROCEDURES MANUAL. IN THE EVENT THAT THE SKY WAS OBSTRUCTED AND A GNSS MEASUREMENT COULD NOT BE PERFORMED, ADDITIONAL CONTROL WAS SET UTILIZING THE ORGN. A TOTAL STATION WAS THEN UTILIZED TO TIE THE MONUMENT IN ACCORDANCE WITH ODOT'S POLICY AND PROCEDURE'S MANUAL.

CONTROL STATEMENT:

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

| REFERENCE LEGEND | | | | | |
|------------------|---|--|--|--|--|
| (R1) | RECORD INFORMATION PER ODOT DRG. 3B-2-9 | | | | |
| (R2) | RECORD INFORMATION PER RAILROAD SURVEY V-16 7 | | | | |
| (R3) | RECORD INFORMATION PER THE TOWN OF GOLD HILL | | | | |
| (R4) | RECORD INFORMATION PER COUNTY ROADS SURVEY CHAVENOR ROAD 1_1_45 | | | | |
| (R5) | RECORD INFORMATION PER ODOT DRG. 7B-8-8 | | | | |
| (R6) | RECORD INFORMATION PER DEED DOC. 89-18076 | | | | |
| (R7) | RECORD INFORMATION PER COUNTY SURVEY 1401 | | | | |
| (R8) | RECORD INFORMATION PER COUNTY SURVEY 15750 | | | | |
| (R9) | RECORD INFORMATION PER VOL. 286 PG 166 JACOR | | | | |
| (R10) | RECORD INFORMATION PER COUNTY SURVEY 3525 | | | | |
| (R11) | RECORD INFORMATION PER COUNTY SURVEY 12344 | | | | |



CONTROL POINT COORDINATE TABLE

IR= IRON ROD ALUM= ALUMINUM

| PT. NO. | OCRS NORTHING | OCRS EASTING | DATE | DESCRIPTION |
|---------|------------------|--------------|-----------|---|
| 1 | 247843.66 | 242728.83 | 3/16/2023 | FOUND 2" ALUM CAP "ODOT CONTROL POINT 1" |
| 1238505 | 248367.59 | 241221.62 | 3/16/2023 | FOUND 2" ALUM CAP "OREGON STATE HIGHWAY DIV. 1238505" |
| 2263001 | 248061.32 | 242925.81 | 3/16/2023 | SET 5/8" X 30" REBAR w/ALUMINUM CAP "ODOT CONTROL POINT 2263001 |
| 2263002 | 248148.72 | 242743.14 | 3/16/2023 | SET 5/8" X 30" REBAR w/ALUMINUM CAP "ODOT CONTROL POINT 2263002 |
| 2263005 | 248294.47 | 241839.89 | 3/16/2023 | SET 1" COPPER PLUG "ODOT 2263005" |
| 2263006 | 248257.67 | 241710.08 | 3/16/2023 | SET 1" COPPER PLUG "ODOT 2263006" |
| 2263007 | 248018.24 | 243295.20 | 3/16/2023 | SET 1" COPPER PLUG "ODOT 2263007" |
| 2263009 | 248486.66 | 241960.29 | 3/16/2023 | FOUND 5/8" IR |
| 2263010 | 248298.38 | 242073.51 | 3/16/2023 | SET 1" COPPER PLUG "ODOT 2263010" |
| 2263011 | 248173.98 | 242533.17 | 3/16/2023 | SET 1" COPPER PLUG "ODOT 2263011" |
| CTPT | 228693.68 | 282775.32 | 3/16/2023 | ORGN STATION NAD83(2011) EPOCH 2010.00 |

REGISTERED
PROFESSIONAL
LAND SURVEYOR

OREGON
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