

SE 1/4 SECTION 25 T7S R45E WM SW 1/4 SECTION 25 T7S R45E WM
NE 1/4 SECTION 25 T7S R45E WM NW 1/4 SECTION 25 T7S R45E WM
NE 1/4 SECTION 26 T7S R45E WM SE 1/4 SECTION 26 T7S R45E WM

SHEET INDEX

- 1. SHEET INDEX, NARRATIVE, CONTROL NARRATIVE & REFERENCES.
- 2. SECTION 25 BREAKDOWN & "RW" CENTERLINE
- 3.-4. SURVEY

NARRATIVE

THE PURPOSE OF THIS SURVEY IS TO RESOLVE THE EXISTING CENTER LINE AND RIGHT OF WAY FOR A PORTION OF HALFWAY-CORNUCOPIA HIGHWAY AT THE INTERSECTION WITH HOLBROOK SPUR LANE, AND HOLBROOK SPUR LANE FROM HALFWAY-CORNUCOPIA HIGHWAY (OR413), EASTERLY TO HOLBROOK CREEK ROAD (C.R. 961). THIS SURVEY PERPETUATES THOSE SURVEY MONUMENTS WITHIN THE PROJECT LIMITS IN JEOPARDY OF BEING DESTROYED BY A BRIDGE REPLACEMENT PROJECT OVER PINE CREEK. 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 BETWEEN THE MONTHS OF AUGUST AND OCTOBER 2024. THE SURVEY EQUIPMENT CONSISTED OF LEICA GS14 RECEIVERS, LEICA TS-16 TOTAL STATION, AND CS 20 DATA COLLECTORS.

CONTROL NARRATIVE

PRIMARY CONTROL WAS ESTABLISHED ON THIS PROJECT USING THE OREGON REALTIME GNSS NETWORK (ORGN) TO ESTABLISH POSITIONS ON CONTROL POINTS 100 THROUGH 104 BY INCORPORATING THE AVERAGE OF TWO SEPARATE GNSS OBSERVATIONS OF AT LEAST 180 EPOCHS UNDER DIFFERING SATELLITE GEOMETRY. THE HORIZONTAL DATUM FOR THIS PROJECT IS THE OREGON COORDINATE REFERENCE SYSTEM (OGRS) HALFWAY ZONE, NAD83 (2011) EPOCH 2010. BEARINGS ARE BASED UPON GPS DERIVED OGRS POSITIONS FOR THE EAST QUARTER CORNER OF SECTION 25 (POINT 1001) AND THE SOUTHEAST CORNER OF SECTION 25 (POINT 1002) RESULTING IN A BEARING AND DISTANCE OF S0°00'54"W, 2649.12 FEET.

VERTICAL CONTROL WAS ESTABLISHED USING THE ONLINE POSITIONING USER SERVICE (OPUS) TO ESTABLISH A NAVD88 ELEVATION ON POINT OPUS.1. A CLOSED LEVEL CIRCUIT WAS RAN THROUGH THE CONTROL POINTS SHOWN ON THIS SURVEY.

HALFWAY-CORNUCOPIA HWY. (OR 413) "RW" LINE

HALFWAY CORNUCOPIA HIGHWAY WAS ORIGINALLY ESTABLISHED BY PETITION IN UNION COUNTY PRESENTED BY WILLIAM MCKINNELL, ET AL, ON APRIL 11, 1887. IN SEPTEMBER 1887 THE FINAL ORDER WAS APPROVED DECLARING THIS ROAD A PUBLIC HIGHWAY KNOWN THEN AS MCKINNELL COUNTY ROAD NO. 277. A WIDTH WAS NOT STATED IN THE COUNTY ROAD ESTABLISHMENT DOCUMENTS, THEREFORE BASED UPON THE DATE THE ROAD WAS CREATED, COUNTY ROADS WERE TO BE SIXTY FEET IN WIDTH. HALFWAY CORNUCOPIA HIGHWAY WAS DESIGNATED AS A STATE HIGHWAY BY OREGON STATE HIGHWAY COMMISSION RESOLUTION ON APRIL 4, 1941. THERE ARE NO EXISTING RIGHT OF WAY ROLLMAPS FOR THIS SECTION OF THE HIGHWAY, THEREFORE, THE CENTER LINE WAS RE-ESTABLISHED BY HOLDING A BEST-FIT OF THE EXISTING EDGE OF PAVEMENT. STATIONING WAS ESTABLISHED PER THIS SURVEY.

HOLBROOK SPUR LANE ("H" LINE)

THE RIGHT OF WAY FOR HOLBROOK SPUR LANE WAS ACQUIRED IN 1957 BY DEEDS RECORDED IN BOOK 167, PAGES 843 THROUGH 849, AND BOOK 167, PAGE 868, BAKER COUNTY DEED RECORDS. THE RECORD SHAPE OF THE CENTER LINE ALIGNMENT DESCRIBED IN THE DEEDS WAS RECREATED AND POSITIONED BY ALIGNING TO THE EAST-WEST QUARTER SECTION LINE THROUGH SECTION 25, T7S, R45E WM. THE SAID CENTER LINE WAS POSITIONED IN THE EAST-WEST DIRECTION BY HOLDING THE POINT OF TANGENCY STATION "H"64+72.83 P.T. ON THE NORTH-SOUTH SIXTEENTH LINE THROUGH THE NORTHWEST QUARTER OF SECTION 25, T7S, R45E, WM. A RIGHT OF WAY WIDTH OF 60.00 FEET, THIRTY FEET ON EACH SIDE OF CENTER LINE, IS STATED IN SAID RIGHT OF WAY DEEDS. STATIONING FOR HOLBROOK SPUR LANE WAS ESTABLISHED PER THIS SURVEY.

SECTION 25

THE GOVERNMENT BOUNDARIES IN SECTION 25 WERE RE-ESTABLISHED AS FOLLOWS:

NORTHWEST CORNER SEC. 25 - ACCEPTED 2-1/2" BRASS CAP ON 2-1/4" IRON PIPE
SOUTHWEST CORNER SEC. 25 - ACCEPTED 2-1/2" BRASS CAP ON 1-1/2" IRON PIPE
WEST 1/4 CORNER SEC. 25 - CALCULATED BASED UPON COUNTY SURVEY 7-45-146
NORTH 1/4 CORNER SEC. 25 - ACCEPTED 2-1/2" BRASS CAP
NORTHEAST CORNER SEC. 25 - ACCEPTED 2-1/2" BRASS CAP
EAST QUARTER CORNER SEC. 25 - ACCEPTED 5/8" IRON ROD, NO CAP
SOUTHEAST CORNER SEC. 25 - ACCEPTED 1/2" IRON ROD
SOUTH QUARTER CORNER SEC. 25 - ACCEPTED 5' WITNESS CORNER

THE NORTH-SOUTH SIXTEENTH LINE THROUGH THE WEST HALF OF THE SOUTHWEST QUARTER OF SECTION 25 DOES NOT ALIGN WITH THE LINES OF OCCUPATION (FENCES) BY APPROXIMATELY 32 FEET.

NETWORK POINT COORDINATE TABLE

PT. NO.	NORTHING	EASTING	ELEVATION	DATE	DESCRIPTION
100	112158.208	153514.040	3184.840	8/28/2024	SET 5/8" X 15" IRON ROD WITH RED PLASTIC CAP MARKED "ODOT CONTROL"
101	112206.927	153891.371	3177.856	8/28/2024	SET 5/8" X 30" IRON ROD WITH RED PLASTIC CAP MARKED "ODOT CONTROL"
102	111973.531	153455.476	3194.989	8/28/2024	SET 5/8" X 30" IRON ROD WITH RED PLASTIC CAP MARKED "ODOT CONTROL"
103	112168.554	153375.134	3190.256	8/28/2024	SET 5/8" X 30" IRON ROD WITH RED PLASTIC CAP MARKED "ODOT CONTROL"
104	112209.309	153499.454	3185.723	8/29/2024	SET 5/8" X 30" IRON ROD WITH RED PLASTIC CAP MARKED "ODOT CONTROL"
OPUS.1	112058.771	153279.187	3201.794	8/26/2024	SET 8" STEEL DURANAIL SPIKE
RS.1	112134.026	153377.223	3189.803	8/29/2024	FOUND 1/2" IRON ROD WITH RED PLASTIC CAP MARKED "RS 1"

REFERENCE LIST

- 1. GENERAL LAND OFFICE FIELD NOTES BY W.B. BARR, CONTRACT 443, DATED MAY 29, 1882
- 2. FINAL ORDER, WILLIAM MCKINNELL COUNTY ROAD DATED SEPT. 8, 1887
- 3. BAKER SURVEY NO. 95 BY JW KIMBRELL COUNTY SURVEYOR DATED NOV. 1, 1889
- 4. BOOK 167, PAGE 843, RECORDED DEC. 13, 1957, BAKER COUNTY DEED RECORDS
- 5. BOOK 167, PAGE 847, RECORDED DEC. 13, 1957, BAKER COUNTY DEED RECORDS
- 6. BOOK 167, PAGE 868, RECORDED DEC. 18, 1957, BAKER COUNTY DEED RECORDS
- 7. COUNTY SURVEY 7-45-3 BY JAMES D. HANLEY, FILED MAY 19, 1975
- 8. COUNTY SURVEY 7-46-79A BY JAMES D. HANLEY, FILED JAN. 22, 1981
- 9. COUNTY SURVEY 7-45-67 BY JAMES D. HANLEY, FILED MAR. 18, 1981
- 10. COUNTY SURVEY 7-45-75 BY JAMES H. HAMBLETON, FILED JULY 2, 1981
- 11. COUNTY SURVEY 7-45-82 BY JAMES D. HANLEY, FILED JAN. 26, 1981
- 12. COUNTY SURVEY 7-45-95 BY JAMES H. HAMBLETON, FILED JULY 2, 1981
- 13. COUNTY SURVEY 7-45-96 BY JAMES H. HAMBLETON, FILED JULY 2, 1981
- 14. COUNTY SURVEY 7-45-146 BY JAMES D. HANLEY, FILED APRIL 17, 1990
- 15. COUNTY SURVEY 7-45-149 BY DAVID LEE TRAPP, FILED JAN. 17, 1996
- 16. PARTITION PLAT 1996-20 BY HARMON E. MCLENDON, FILED DEC. 9, 1996
- 17. COUNTY SURVEY 7-45-150 BY HARMON E. MCLENDON FILED DEC. 19, 1996
- 18. COUNTY SURVEY 7-45-154 BY LEELAND LEE MEYERS, FILED APRIL 24, 2001
- 19. PARTITION PLAT 2001-19 BY THOMAS J. HANLEY, FILED NOV. 1, 2001
- 20. COUNTY SURVEY 7-45-155MP BY THOMAS J. HANLEY FILED NOV. 2, 2001
- 21. COUNTY SURVEY 7-45-161 BY JASON L. HATFIELD, FILED MAY 5, 2011
- 22. COUNTY SURVEY 7-45-162 BY JASON L. HATFIELD, FILED MAY 5, 2011
- 23. COUNTY SURVEY 7-45-163 BY JASON L. HATFIELD, FILED MAY 5, 2011
- 24. COUNTY SURVEY 7-45-164 BY JASON L. HATFIELD, FILED MAY 5, 2011
- 25. COUNTY SURVEY 7-45-165 BY JASON L. HATFIELD, FILED MAY 5, 2011
- 26. COUNTY SURVEY 7-45-166 BY JASON L. HATFIELD, FILED MAY 5, 2011
- 27. COUNTY SURVEY 7-45-168 BY THOMAS J. HANLEY FILED MAY 29, 2014
- 28. COUNTY SURVEY 7-45-169 BY JASON L. HATFIELD FILED OCT. 28, 2015
- 29. COUNTY SURVEY 7-45-170 BY JASON L. HATFIELD FILED OCT. 28, 2015
- 30. COUNTY SURVEY 7-45-194 BY JASON L. HATFIELD, FILED APR. 15, 2020
- 31. COUNTY SURVEY 7-45-204 BY ERIC HYATT, FILED MAY 8, 2024

REGISTERED
PROFESSIONAL
LAND SURVEYOR



OREGON
JAN. 14, 2003
BRET N. ELITHORP
63148

EXPIRES: 12-31-2025

FILED October 9, 2024
BAKER COUNTY SURVEYOR
SURVEY NO. 7-45-206

OREGON DEPARTMENT OF TRANSPORTATION

HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT MAP
HOLBROOK SPUR LANE: PINE CREEK BRIDGE
HALFWAY CORNUCOPIA HIGHWAY
BAKER COUNTY, OREGON



ODOT REGION 5 TECH CENTER
3012 ISLAND AVENUE
LA GRANDE, OR 97850

KEY NO. 22017
OCTOBER 8, 2024
NO SCALE
SHEET 1 OF 4

T7S
S24
—
S25
R45E
1981
OPLS 645

T7S
R45E R46E
S24 | S19
—•—
S25 | S30
CS 1979

A circular stamp with the word "BENCHMARK" at the top and "LAND SURVEYING" at the bottom. In the center, it reads "1/16" above a horizontal line, with a small circle on the line, and "S25" below the line, followed by a "C" to the right.

T7S 45E
WC S25
 $\frac{1}{4}$ —○—
4 S26
PLS 5.0 →
2537

T7S R45E
S26 | S25
—|—
S35 | S36
CS 1981



LEGEND	
()	RECORD DATA PER REFERENCE LIST ON SHEET 1
○	FOUND MONUMENT
□	CALCULATED POINT

ABBREVIATIONS:
ALUM. = ALUMINUM
CLCRM = CERTIFIED LAND CORNER
REMONUMENTATION RECORD
CS# = COUNTY SURVEY NUMBER
DN = DOWN
FD = FOUND
MKD. = MARKED
W/ = WITH
YPC = YELLOW PLASTIC CAP

REGISTERED
PROFESSIONAL
LAND SURVEYOR

Bret N. Elithorp

OREGON
JAN. 14, 2003
BRET N. ELITHORP
63148

EXPIRES: 12-31-2025

OREGON DEPARTMENT OF TRANSPORTATION
HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT MAP
HOLBROOK SPUR LANE: PINE CREEK BRIDGE
HALFWAY CORNUCOPIA HIGHWAY
BAKER COUNTY, OREGON



ODOT REGION 5 TECH CENTER
3012 ISLAND AVENUE
LA GRANDE, OR 97850

KEY NO. 22017
OCTOBER 8, 2024
NO SCALE
SHEET 2 OF 4

FILED October 9, 2024
BAKER COUNTY SURVEYOR
SURVEY NO. 7-45-206

SW 1/4 SECTION 25 T7S R45E WM NW 1/4 SECTION 25 T7S R45E WM
NE 1/4 SECTION 26 T7S R45E WM SE 1/4 SECTION 26 T7S R45E WM

MITCHELL DEAN BUTLER &
ANGELA LUCILLE BUTLER
B18390195

GALEN R. TARTER
B20150118

DUANE C. MILES &
JANET L. MILES
B14490031

MITCHELL DEAN BUTLER &
ANGELA LUCILLE BUTLER
B18390195

50 25 0 50
FEET

N

SS "H"

SEE SHEET 4 OF 4

LEGEND

- () RECORD DATA PER REFERENCE LIST ON SHEET 1
- CALCULATED POINT PER CS# 7-45-146
- ★ SET GPS CONTROL POINT SEE TABLE ON SHEET 1
- EXISTING RIGHT-OF-WAY OR PROPERTY LINE
- RESOLVED RIGHT-OF-WAY
- - - EXISTING PAVEMENT
- - - - EXISTING EDGE OF GRAVEL
- x - EXISTING FENCE

REGISTERED
PROFESSIONAL
LAND SURVEYOR

B. L. C.

OREGON
JAN. 14, 2003
BRET N. ELITHORP
63148

EXPIRES: 12-31-2025

OREGON DEPARTMENT OF TRANSPORTATION

HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT MAP

HOLBROOK SPUR LANE: PINE CREEK BRIDGE

HALFWAY CORNUCOPIA HIGHWAY

BAKER COUNTY, OREGON



ODOT REGION 5 TECH CENTER
3012 ISLAND AVENUE
LA GRANDE, OR 97850

KEY NO. 22017
OCTOBER 8, 2024
SCALE: 1" = 50'
SHEET 3 OF 4

FILED October 9, 2024
BAKER COUNTY SURVEYOR
SURVEY NO. 7-45-206

SE 1/4 SECTION 25 T7S R45E WM SW 1/4 SECTION 25 T7S R45E WM
NE 1/4 SECTION 25 T7S R45E WM NW 1/4 SECTION 25 T7S R45E WM

MITCHELL DEAN BUTLER &
ANGELA LUCILLE BUTLER
B18390195

HOLBROOK SPUR LANE

ALBERT E. MORGAN &
BARBARA MORGAN
B02300269

HOLBROOK CREEK ROAD (C.R. 961)

LEGEND

- () RECORD DATA PER REFERENCE LIST ON SHEET 1
- FOUND MONUMENT
- ★ SET GPS CONTROL POINT SEE TABLE ON SHEET 1
- EXISTING RIGHT-OF-WAY OR PROPERTY LINE
- RESOLVED RIGHT-OF-WAY
- - - EXISTING PAVEMENT
- - - EXISTING EDGE OF GRAVEL
- x - EXISTING FENCE

RECOVERED MONUMENT LIST

PT. NO.	NORTHING	EASTING	DATE	DESCRIPTION & REFERENCE DOCUMENTS
1000	112193.11	154592.39	9/12/2024	FD 2" ALUMINUM CAP MARKED AS SHOWN, FLUSH, COUNTY SURVEY 7-45-161 & 7-45-165
1006	112199.44	154657.70	9/12/2024	FD 5/8" SMOOTH IRON ROD, UP 3", ORIGIN UNKNOWN
1019	112077.23	154813.46	9/17/2024	FD 5/8" IRON ROD WITH YPC MARKED "HANLEY ENGR. PLS 1817", FLUSH, PARTITION PLAT 2001-019
1020	112157.59	154705.77	9/17/2024	FD 5/8" IRON ROD WITH YPC MARKED "HANLEY ENGR. PLS 1817", DOWN 2", PARTITION PLAT 2001-019
1021	112193.02	154646.12	9/17/2024	FD 5/8" IRON ROD, NO CAP, DOWN 1", PARTITION PLAT 2001-019

YPC = YELLOW PLASTIC CAP

FILED October 9, 2024
BAKER COUNTY SURVEYOR
SURVEY NO. 7-45-206

REGISTERED
PROFESSIONAL
LAND SURVEYOR

BQE

OREGON
JAN. 14, 2003
BRET N. ELITHORP
63148

EXPIRES: 12-31-2025

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KEY NO. 22017
OCTOBER 8, 2024
SCALE: 1" = 50'
SHEET 4 OF 4