

NE 1/4 SECTION 21 T2S R29E WM  
 SE 1/4 SECTION 21 T2S R29E WM  
 NW 1/4 SECTION 22 T2S R29E WM  
 SW 1/4 SECTION 22 T2S R29E WM

1733

**SHEET INDEX**

1. SHEET INDEX, CONTROL NARRATIVE AND BASIS OF BEARINGS, SURVEY NARRATIVE, MONUMENT TABLES, AND REFERENCES.
2. BOUNDARY SURVEY

**NARRATIVE**

THE PURPOSE OF THIS SURVEY IS TO RESOLVE AND MONUMENT THE BOUNDARY OF THOSE TRACTS OF LAND ACQUIRED BY THE STATE OF OREGON BY WARRANTY DEEDS RECORDED IN BOOK 38, PAGE 593, AND BOOK 57, PAGE 35, MORROW COUNTY DEED RECORDS, FOR THE OREGON DEPARTMENT OF TRANSPORTATION (ODOT) REGION 5 GEOLOGY SECTION.

TO RESOLVE THE BOUNDARY OF SAID STATE OF OREGON TRACTS, THE RECORD SHAPE OF THE BOUNDARY AS DESCRIBED IN BOOK 38, PAGE 593 AND DESCRIBED IN BOOK 57, PAGE 35 WAS RECREATED AND POSITIONED BY HOLDING THE NORTHWEST CORNER OF SAID PROPERTY A RECORD DISTANCE OF 50.00 FEET FROM RECORD STATION 1177+80 AND ROTATING SAID RECORD SHAPE TO HOLD THE NORTHEAST CORNER OF SECTION "A" AS DESCRIBED IN SAID BOOK 38, PAGE 593 RECORD DISTANCE OF 50.00 FEET FROM STATION 1180+00 AS DESCRIBED IN SAID DEED AND SHOWN IN ODOT DRG. NO. 1R-1-501. THE INTERSECTION OF THE NORTHEAST CORNER OF THAT PORTION OF THE STATE TRACT DESCRIBED IN BOOK 57, PAGE 35 WAS HELD AT INTERSECTION OF THE EASTERLY RIGHT OF WAY OF HEPPNER HIGHWAY WITH THE NORTH LINE OF THE SOUTHEAST QUARTER OF SECTION 22, T2S, R29E, WM.

TO RESOLVE THE LOCATION OF OF THE RIGHT OF WAY FOR HEPPNER HIGHWAY, THE CENTERLINE ALIGNMENT AS SHOWN ON ODOT DRG. 2B-22-2 WAS RECREATED AND POSITIONED BY BEST-FIT OF THE EXISTING EDGE PAVEMENT IN THE TANGENT SECTION ADJACENT TO THE STATE OWNED TRACTS. THE EXISTING PAVEMENT EDGES ON BOTH SIDES OF THE ROAD WERE TIED FROM A POINT APPROXIMATELY 2500' WESTERLY TO A POINT APPROXIMATELY 3500' EASTERLY OF SAID STATE OWNED TRACTS TO ENSURE A BEST FIT OF THE CENTERLINE ALIGNMENT TO THE EXISTING PAVEMENT. THE CENTERLINE ALIGNMENT AS SHOWN ON ODOT DRG. 7B-12-13 WAS ALSO RECREATED AND BEST-FIT TO THE EDGE OF PAVEMENT AND THIS ALIGNMENT FIT THE EXISTING ROAD MUCH BETTER THAN THE ALIGNMENT SHOWN IN ODOT DRG. 2B-22-2, HOWEVER, SINCE THE STATE OF OREGON TRACTS ARE DESCRIBED FROM THE CENTERLINE SHOWN ON ODOT DRG. 2B-22-2, THE ALIGNMENT SHOWN ON ODOT DRG. 7B-12-13 WAS NOT SHOWN FOR CLARITY. BOTH RESOLVED ALIGNMENTS WERE COINCIDENT IN THE TANGENT SECTION ADJACENT TO THE STATE OF OREGON QUARRY TRACTS.

**CONTROL NARRATIVE**

PRIMARY CONTROL WAS ESTABLISHED ON THIS PROJECT BY USING GPS AND THE ONLINE POSITIONING USER SERVICE (OPUS) TO ESTABLISH A POSITION ON POINT 500. A SUBSEQUENT RTK GPS SURVEY WAS PERFORMED USING 500 AS A BASE POINT TO ESTABLISH POSITIONS ON ALL OF THE FOUND MONUMENTS SHOWN ON THIS SURVEY.

THE BASIS OF BEARINGS FOR THIS SURVEY ARE BASED UPON GPS OBSERVATIONS. THE BEARINGS SHOWN ARE GRID BEARINGS BASED ON THE OREGON STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NAD83 (2011) EPOCH 2010.

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 0.99973627.

**REFERENCES**

1. SUBDIVISION OF TOWNSHIP 2S, RANGE 29E, WM, PER CONTRACT #154, DATED JUNE 6, 1871
2. WARRANTY DEED BOOK 38, PAGE 593, MORROW COUNTY DEED RECORDS
3. WARRANTY DEED BOOK 57, PAGE 35, MORROW COUNTY DEED RECORDS.
4. ODOT DRG. NO. 1R-1-501, DATED JAN. 1927.
5. ODOT DRG. NO. 2B-22-2, CONSTRUCTED LINE, LENA - VINSON, HEPPNER HIGHWAY, JULY 1929
6. ODOT DRG. NO. 7B-12-13, LOCATED LINE, FRANKLIN HILL - UMATILLA CO. LINE SECTION, HEPPNER HIGHWAY, FEB. 1952.

**RECOVERED MONUMENT LIST**

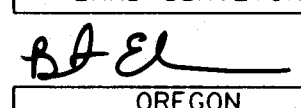
PT ID	LDP NORTHING	LDP EASTING	DATE	STATION	OFFSET	DESCRIPTION & REFERENCE DOCUMENTS
*500	628716.91	8529239.87	01/08/2015	N/A	N/A	FOUND 5/8" IRON ROD, NO CAP, UP 0.5', UNKNOWN ORIGIN, POINT USED FOR PROJECT CONTROL
*600	627419.20	8536893.27	10/24/2012	1191+60.91	54.91' RT	FOUND 12" SPIKE, PREVIOUSLY SET BY ODOT FOR CONTROL
601	626456.03	8535770.33	10/24/2012	1176+81.62	35.07' RT	FOUND 12" SPIKE, PREVIOUSLY SET BY ODOT FOR CONTROL
1000	629577.86	8536201.18	01/14/2010	N/A	N/A	FOUND 2-1/2" BRASS DISK MARKED AS SHOWN ON SHEET 2, ON 1" IRON PIPE, 2S29N13, MORROW COUNTY REMON. RECORDS
1001	624276.64	8536272.67	01/14/2010	N/A	N/A	FOUND 2-1/2" BRASS DISK MARKED AS SHOWN ON SHEET 2, ON 1" IRON PIPE, 2S29R13, MORROW COUNTY REMON. RECORDS
1002	626990.96	8541571.05	01/08/2015	N/A	N/A	FOUND 2-1/2" BRASS DISK MARKED AS SHOWN ON SHEET 2, ON 1" IRON PIPE, 2S29P17, MORROW COUNTY REMON. RECORDS


\*POINT FALLS OUTSIDE MAPPING SHOWN ON THIS SURVEY

**SET/CALCULATED MONUMENT LIST**

PT. NO.	LDP NORTHING	LDP EASTING	STATION	OFFSET	DATE	DESCRIPTION & REFERENCE DOCUMENTS
5000	626509.88	8535854.01	1177+80.00	50.00' RT	3/10/2015	SET 5/8"x30" IRON ROD WITH 1-1/2" ALUM. CAP, MARKED "ODOT", UP 0.2'
5001	626097.83	8536137.23	N/A	N/A	3/09/2015	SET 5/8"x30" IRON ROD WITH 1-1/2" ALUM. CAP, MARKED "ODOT", UP 0.15'
5002	625816.28	8536226.29	N/A	N/A	3/10/2015	SET 5/8"x30" IRON ROD WITH 1-1/2" ALUM. CAP, MARKED "ODOT", UP 0.15'
5003	625887.71	8536619.86	N/A	N/A	3/10/2015	SET 5/8"x30" IRON ROD WITH 1-1/2" ALUM. CAP, MARKED "ODOT", UP 0.3'
5004	626344.29	8536416.27	N/A	N/A	N/A	CALCULATED POINT, UNABLE TO SET, POINT FALLS IN A LARGE PILE OF LOOSE ROCK
5005	626928.35	8536328.86	1184+12.93	50.00' RT	3/10/2015	SET 5/8"x30" IRON ROD WITH 1-1/2" ALUM. CAP, MARKED "ODOT", UP 0.3'
5006	626927.25	8536236.92	1183+43.23	9.96' LT	N/A	CALCULATED POINT, NOTHING FOUND OR SET
5007	626234.70	8536465.14	N/A	N/A	3/11/2015	SET 5/8"x30" IRON ROD WITH 1-1/2" ALUM. CAP, MARKED "ODOT" WITNESS CORNER, UP 0.3'
5008	626403.63	8536407.39	N/A	N/A	3/11/2015	SET 5/8"x30" IRON ROD WITH 1-1/2" ALUM. CAP, MARKED "ODOT" WITNESS CORNER, UP 0.3'

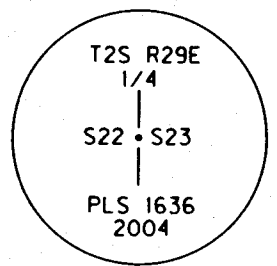
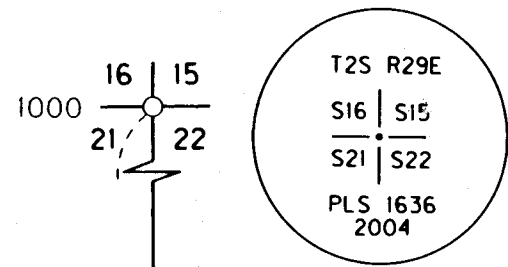
RECEIVED BY  
 Morrow County Surveyor  
 Date: 4-26-2015  
 Recd By: S.K.H.  
 No: 2015-1733C  
 Folder No: 1733

REGISTERED PROFESSIONAL LAND SURVEYOR  
  
 OREGON JANUARY 14, 2003  
 BRET N. ELITHORP 63148  
 EXPIRES: DEC. 31, 2015

OREGON DEPARTMENT OF TRANSPORTATION  
  
 BOUNDARY SURVEY  
 FRANKLIN HILL QUARRY  
 HEPPNER HIGHWAY NO. 74  
 MORROW COUNTY  
 FOR ODOT REGION 5  
 3012 ISLAND AVENUE  
 LA GRANDE, OR 97850  
 MARCH 12, 2015  
 NO SCALE  
 SHEET 1 OF 2

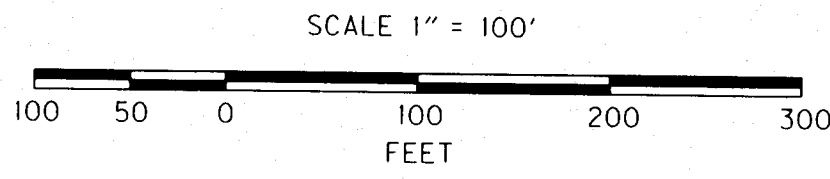
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NE 1/4 SECTION 21 T2S R29E WM  
SE 1/4 SECTION 21 T2S R29E WM  
NW 1/4 SECTION 22 T2S R29E WM  
SW 1/4 SECTION 22 T2S R29E WM

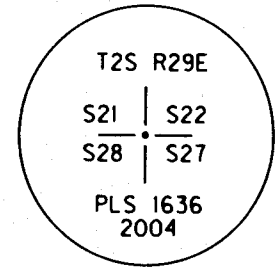


NE 1/4 SEC 21 T2S R29E WM  
SE 1/4 SEC 21 T2S R29E WM

NW 1/4 SEC 22 T2S R29E WM  
SW 1/4 SEC 22 T2S R29E WM



REGISTERED PROFESSIONAL LAND SURVEYOR  
*B.E.*  
OREGON  
JANUARY 14, 2003  
BRET N. ELITHORP  
63148  
EXPIRES: DEC. 31, 2015




**LEGEND**

- SET 5/8" X 30" IRON REBAR WITH ALUMINUM CAP MARKED "ODOT" UNLESS OTHERWISE NOTED
- FOUND MONUMENT
- CALCULATED POSITION-NOTHING FOUND NOTHING SET
- △ FOUND NETWORK POINT
- ( ) RECORD DATA PER BOOK 38, PAGE 593, MORROW CO. DEED RECORDS
- [ ] RECORD DATA PER BOOK 57, PAGE 35, MORROW CO. DEED RECORDS
- (( )) RECORD DATA PER ODOT DRG. NO. 2B-22-2
- [ [ ] RECORD DATA PER GLO FIELDNOTES, CONTRACT #154
- ( | ) RECORD DATA PER ODOT DRG. 7B-12-13
- EXISTING RIGHT-OF-WAY
- STATE OF OREGON PROPERTY BOUNDARY
- x- FENCE
- - - EDGE OF PAVEMENT

RECEIVED BY  
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OREGON DEPARTMENT OF TRANSPORTATION



BOUNDARY SURVEY  
FRANKLIN HILL QUARRY  
HEPPNER HIGHWAY NO. 74  
MORROW COUNTY

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

MARCH 12, 2015  
SCALE: 1"=100'  
SHEET 2 OF 2