

SE 1/4 OF SEC. 12, & NE 1/4 OF SEC. 13, T. 3 S., R. 30 1/2 E., W.M.

NARRATIVE

THE PURPOSE OF THIS SURVEY IS TO DEFINE THE EXISTING PROPERTY BOUNDARY OF THE WEBB SLOUGH QUARRY AND MONUMENT THE NEW ACQUISITION TO SAID QUARRY FOR THE OREGON DEPARTMENT OF TRANSPORTATION (ODOT). FOR THIS PURPOSE WE RECOVERED MONUMENTS AND SET NEW PROPERTY MONUMENTS. IT WAS NECESSARY TO RESOLVE THE RIGHT OF WAY (RW) FOR A PORTION OF THE PENDLETON - JOHN DAY HIGHWAY. THE MONUMENTS FOR THIS SURVEY WERE RECOVERED ON APRIL 17, 2013. THIS QUARRY LIES IN UMATILLA COUNTY, OREGON.

THE ORIGINAL QUARRY BOUNDARY IS DESCRIBED BY ODOT DRAWING 1R-1-624 ALONG WITH BOOK 137, PAGE 179 AND BOOK 170, PAGE 7 UMATILLA COUNTY RECORDS. THERE WERE MONUMENTS FOUND AT ALL THE CORNERS OF THE EXISTING QUARRY.

THE PENDLETON - JOHN DAY HIGHWAY RW CENTER LINE AND STATIONING WERE RE-ESTABLISHED FROM ODOT DRAWING 10B-5-2. THE RECORD BEARINGS, STATIONING, AND CURVE DATA FROM THIS DRAWING WERE USED.

ODOT'S NEW RW PURCHASE IS DESCRIBED BY DOCUMENTS NO. 2006-5000275 AND 2006-5040759 OF UMATILLA COUNTY DEED RECORDS. THE SOUTHERLY BOUNDARY OF DOCUMENT NO. 2006-5040759 IS DESCRIBED AS BEING ON THE NORTHERLY 1/16TH LINE OF SECTION 13. WE DISCUSSED THIS LINE WITH THE ONE OF THE LAND OWNERS WE PURCHASED THE PROPERTY FROM. HE POINTED TO AN E-W FENCE TO THE SOUTH OF THE EXISTING QUARRY AND STATED THAT IT HAD ALWAYS BEEN CONSIDERED TO BE THE PROPERTY LINE. WE VERIFIED THIS BY RETRACING A PORTION OF UMATILLA COUNTY SURVEY 369. WHEN THE SECTION WAS ORIGINALLY SUBDIVIDED, WE FOUND SUBSTANTIAL EVIDENCE IN THE FORM OF SKELETAL REMAINS OF ANCIENT FENCES. THE FENCES SEEM TO BE BUILT IN GOOD FAITH ALONG THE SECTIONAL SUBDIVISION LINES AND THEY SUPPORT THE LAND OWNER'S TESTIMONY.

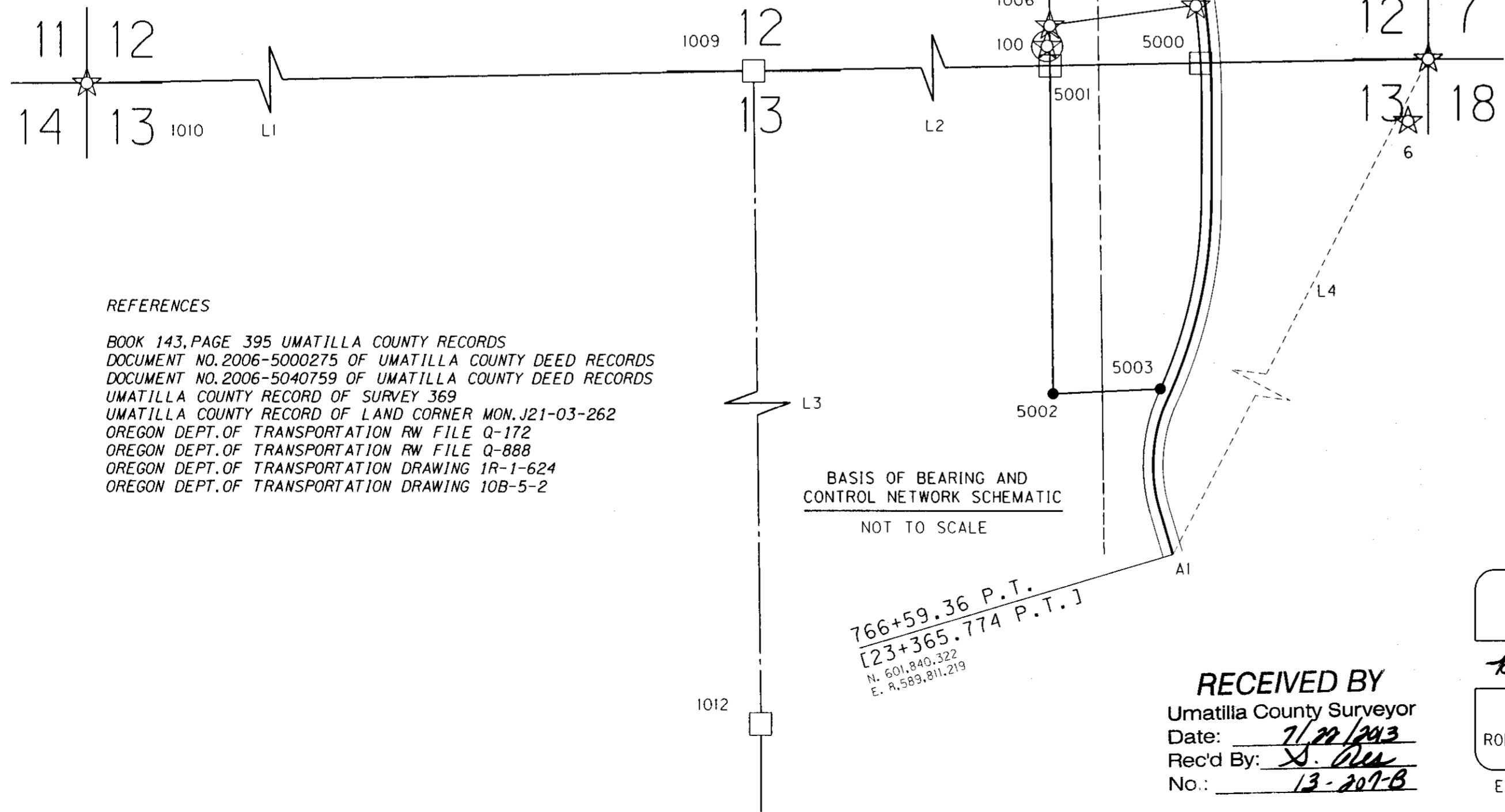
THE BASIS OF BEARING WAS ESTABLISHED BY GPS USING AN OPUS SOLUTION AT POINT 10 WHICH IS A 3/4" IRON ROD LOCATED AT THE SOUTHWEST CORNER OF THE QUARRY. THIS SURVEY UTILIZES A LOCAL DATUM PLANE (LDP) WHICH IS RELATIVE TO THE OREGON COORDINATE SYSTEM OF NAD83(2011) (EPOCH 2010), NORTH ZONE, WITH RESPECT TO THE LOCAL LATITUDE AND GROUND ELEVATION. THE LDP COORDINATES DEFINE TRUE GROUND DISTANCES. TO CONVERT THE LDP COORDINATES FOR THE CONTROL POINTS TO THE OREGON COORDINATE SYSTEM OF NAD83(2011) (EPOCH 2010), NORTH ZONE, MULTIPLY THE LDP COORDINATES BY 0.99972884.

NETWORK POINT COORDINATE TABLE

PT. NO.	LDP NORTHING	LDP EASTING	DATE	DESCRIPTION
6	603,580.578	8,590,760.272	4/16/2013	FOUND 1/2" SQUARE ROD WITH RED PLASTIC CAP MARKED "O.S.H.D."
60	603,830.945	8,590,841.259	4/16/2013	FOUND MOUND FOR SECTIONS 12, 13, 17, & 18, AT LOCATION OF ORIGINAL STONE.
100	603,882.993	8,589,302.009	4/16/2013	SET HUB AND TACK.
1004	604,996.928	8,589,735.450	4/16/2013	FOUND 3/4" DIA. IRON ROD.
1005	604,045.003	8,589,902.368	4/16/2013	FOUND 1/2" DIA. IRON ROD.
1006	603,964.603	8,589,312.401	4/16/2013	FOUND 1/2" DIA. IRON ROD.
1007	604,876.183	8,589,298.152	4/16/2013	FOUND 3/4" DIA. IRON ROD.
1009	603,782.268	8,588,114.677	4/16/2013	CALCULATED POINT
1010	603,734.224	8,585,423.607	4/16/2013	FOUND 2 1/2" DIA. BRASS CAP ON PIPE MARKED "T3S, R30 1/2E, S11, S12, S13, S14, PLS 1336, 2003"
1012	601,156.157	8,588,146.159	4/16/2013	FOUND ROCK JACK AT THE INTERSECTION OF AN EAST-WEST FENCE AND THE SKELETAL REMAINS OF A NORTH-SOUTH FENCE FOR THE APPROXIMATE CENTER 1/4 CORNER OF SECTION 13.
5000	603,814.541	8,589,922.421	5/31/2013	CALCULATED POINT
5001	603,803.680	8,589,314.042	5/31/2013	CALCULATED POINT
5002	602,481.600	8,589,327.526	5/31/2013	SET 3/8" DIA. I.R. WITH 1 1/2" DIA. ALUMINUM CAP MARKED "OR STATE HWY DIV"
5003	602,500.970	8,589,760.561	5/31/2013	SET 3/8" DIA. I.R. WITH 1 1/2" DIA. ALUMINUM CAP MARKED "OR STATE HWY DIV"

DISTANCE AND BEARING TABLE

LINE NO.	AT	TO	DISTANCE (FT)	BEARING
L1	1010	1009	2,691.50'	N 88°58'38" E
L2	60	1009	2,727.02'	S 88°58'38" W
L3	1012	1009	2,626.69'	N 00°41'13" W
L4	60	A1	2,241.33'	S 27°21'33" W



**LEGEND**

- SET GPS OPUS POINT
- FOUND MONUMENT USED AS GPS POINT
- CALCULATED POINT
- SET MONUMENT

REFERENCES

- BOOK 143, PAGE 395 UMATILLA COUNTY RECORDS
- DOCUMENT NO. 2006-5000275 OF UMATILLA COUNTY DEED RECORDS
- DOCUMENT NO. 2006-5040759 OF UMATILLA COUNTY DEED RECORDS
- UMATILLA COUNTY RECORD OF SURVEY 369
- UMATILLA COUNTY RECORD OF LAND CORNER MON. J21-03-262
- OREGON DEPT. OF TRANSPORTATION RW FILE Q-172
- OREGON DEPT. OF TRANSPORTATION RW FILE Q-888
- OREGON DEPT. OF TRANSPORTATION DRAWING 1R-1-624
- OREGON DEPT. OF TRANSPORTATION DRAWING 10B-5-2

BASIS OF BEARING AND CONTROL NETWORK SCHEMATIC  
NOT TO SCALE

766+59.36 P.T.  
[23+365.774 P.T.]  
N. 601,840.322  
E. 8,589,811.219

RECEIVED BY  
Umatilla County Surveyor  
Date: 7/22/2013  
Rec'd By: S. Allen  
No.: 13-207-B

REGISTERED PROFESSIONAL LAND SURVEYOR  
*Robert E. Butler*  
OREGON  
July 25, 1995  
ROBERT ERICH BUTLER  
2733  
EXPIRES: 12/31/2013

OREGON DEPARTMENT OF TRANSPORTATION  
CONTROL, RECOVERY, & RETRACEMENT MAP  
WEBB SLOUGH QUARRY  
PENDLETON - JOHN DAY HIGHWAY NO. 028  
(U.S.395) @ M.P. 34.60  
UMATILLA COUNTY

ODOT REGION 5  
3012 ISLAND AVE.  
LA GRANDE, OR. 97850-9497

MAY 31, 2013  
NOT TO SCALE  
SHEET 1 OF 3

SE 1/4 OF SEC. 12, & NE 1/4 OF SEC. 13, T. 3 S., R. 30 1/2 E., W.M.



PENDLETON - JOHN DAY HIGHWAY

787+57.09 P.I.  
[ 24+005.16 P.I. ]  
N 603,893.664  
E 8,589,967.133

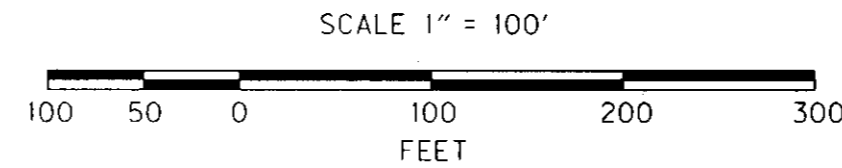
STATE OF OREGON  
137-179  
170-7

WEBB SLOUGH QUARRY

STATE OF OREGON  
2006-5000275

WEBB SLOUGH QUARRY

STATE OF OREGON  
2006-5040759



SET AND RECOVERED MONUMENT LIST

PT. NO.	LDP NORTHING	LDP EASTING	STATION & ALIGNMENT	OFFSET	DATE	DESCRIPTION & REFERENCE DOCUMENTS
6	603,580.580	8,590,760.278	784+46.02 U.S. 395	793.94' Rt.	4/16/2013	FOUND 1/2" SQUARE ROD WITH RED PLASTIC CAP MARKED "O.S.H.D."
60	603,830.945	8,590,841.259	786+54.86 U.S. 395	878.54' Rt.	4/16/2013	FOUND MOUND FOR SECTIONS 12, 13, 17, & 18, AT LOCATION OF ORIGINAL STONE.
100	603,882.992	8,589,302.013	788+11.82 U.S. 395	653.50' Lt.	4/16/2013	SET HUB AND TACK
1004	604,996.929	8,589,734.450	798+86.74 U.S. 395	38.81' Lt.	4/16/2013	FOUND 3/4" DIA. IRON ROD.
1005	604,044.003	8,589,902.368	789+14.76 U.S. 395	38.21' Lt.	4/16/2013	FOUND 1/2" DIA. IRON ROD.
1006	603,964.603	8,589,312.400	789+14.62 U.S. 395	633.33' Lt.	4/16/2013	FOUND 1/2" DIA. IRON ROD.
1007	604,876.183	8,589,298.152	798+86.20 U.S. 395	492.62' Lt.	4/16/2013	FOUND 3/4" DIA. IRON ROD.
1009	603,782.268	8,588,114.677	788+61.17 U.S. 395	1844.82' Lt.	4/16/2013	CALCULATED POINT
5000	603,814.541	8,589,922.421	786+80.19 U.S. 395	40.00' Lt.	4/16/2013	CALCULATED POINT
5001	603,803.680	8,589,314.042	787+08.43 U.S. 395	647.98' Lt.	4/16/2013	CALCULATED POINT

EMMA WACHTER  
280-313  
125-562  
143-395

SEUBERT EXCAVATOR LEASE  
2004-4560335

RECEIVED BY  
Umatilla County Surveyor  
Date: 7/22/2013  
Rec'd By: S. Alca  
No.: 13-201-B

DISTANCE AND BEARING TABLE

LINE NO.	AT	TO	DISTANCE (FT)	BEARING
L2	60	1009	2,727.02'	S 88°58'38" W
L3	1012	1009	2,626.69'	N 00°41'13" W
L5	1004	1007	453.66'	N 74°33'52" E
L6	1007	1006	911.69'	N 00°53'44" W
L7	1006	5001	160.93'	S 00°35'04" E
L8	5001	5002	1,322.15'	S 00°35'04" E
L9	1005	1006	593.63'	S 82°16'50" W
L10	5000	5001	608.48'	S 88°58'38" W
L11	60	6	283.14'	S 17°55'28" W

LEGEND

[ ]	RECORD DATA USED PER ODOT DRG. 11-06-0004	---	EXISTING RIGHT-OF-WAY
( )	RECORD DATA USED PER	- - -	QUARRY BOUNDRY
☆	SET GPS OPUS POINT	---	1/16 SECTION LINE
☆	FOUND MONUMENT USED AS GPS POINT	---	SECTION LINE
□	CALCULATED POINT	---	1/4 SECTION LINE
○	SET DELINEATOR POST AND PADDLE	- - - -	LEASED BOUNDRY
		●	SET MONUMENT

REGISTERED PROFESSIONAL LAND SURVEYOR

Robert E. Butler

OREGON  
July 25, 1995  
ROBERT ERICH BUTLER  
2733

EXPIRES: 12/31/2013

OREGON DEPARTMENT OF TRANSPORTATION

CONTROL, RECOVERY, & RETRACEMENT MAP  
WEBB SLOUGH QUARRY  
PENDLETON - JOHN DAY HIGHWAY NO. 028  
(U.S. 395) @ M.P. 34.60  
UMATILLA COUNTY

ODOT REGION 5  
3012 ISLAND AVE.  
LA GRANDE, OR. 97850-9497

MAY 31, 2013  
SCALE: 1" = 100'  
SHEET 2 OF 3

SE 1/4 OF SEC. 12, & NE 1/4 OF SEC. 13, T. 3 S., R. 30 1/2 E., W.M.

12 7  
13 18

L5

A2

785

785+17.84 P.C.  
[23+932.240 P.C.]

781+26.82 P.T.  
[23+813.054 P.T.]

780

775

773+06.49 P.T.  
[23+563.017 P.T.]

770

768+47.92 P.C.  
[23+423.241 P.C.]

766+59.36 P.C.  
[23+365.774 P.T.]

760

750

740

730

720



[R = 193.671 m]  
[TK = 41°20'58"]  
[Ts = 73.084 m]

9°01'02" C.R.  
R = 635.40'  
< = 41°20'58"  
T = 239.78'

3°00'18" C.L.  
R = 1906.69'  
< = 24°39'03"  
T = 416.61'

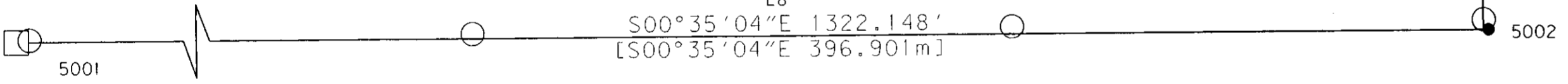
[R = 581.159 m]  
[TK = 24°39'03"]  
[Ts = 126.983 m]

STATE OF OREGON  
2006-5040759

DISTANCE AND BEARING TABLE

LINE NO.	AT	TO	DISTANCE (FT)	BEARING
L3	1012	1009	2,626.69'	N 00°41'13" W
L5	60	A2	892.36'	N 78°35'27" E
L8	5001	5002	1,322.15'	S 00°35'04" E
L12	5002	5003	446.94'	S 87°26'16" W

WEBB SLOUGH QUARRY



(GRANNY EMMA WACHTER PIQUET'S)  
(DEED Q888)

Emma Wachter  
280-313  
125-562  
143-395

SCALE 1" = 100'



**LEGEND**

- [ ] RECORD DATA USED PER ODOT DRG. 11-06-0004
- ( ) RECORD DATA USED PER
- ☆ FOUND MONUMENT USED AS GPS POINT
- SET MONUMENT
- SET DELINEATOR POST AND PADDLE
- CALCULATED POINT
- EXISTING RIGHT-OF-WAY
- - - QUARRY BOUNDARY
- 1/16 SECTION LINE
- SECTION LINE
- 1/4 SECTION LINE

SET AND RECOVERED MONUMENT LIST

PT. NO.	LDP NORTHING	LDP EASTING	STATION & ALIGNMENT	OFFSET	DATE	DESCRIPTION & REFERENCE DOCUMENTS
60	603,830.945	8,590,841.259	786+54.86 U.S. 395	878.54' Rt.	4/16/2013	FOUND STONE FOR SECTIONS 12, 13, 17, & 18, WITH FOUR NOTCHES FACING NORTH AND AN X FACING EAST.
1012	601,156.157	8,588,146.159	764+77.92 U.S. 395	1790.77' Lt.	4/16/2013	FOUND ROCK JACK AT THE INTERSECTION OF AN EAST-WEST FENCE AND THE SKELETAL REMAINS OF A NORTH-SOUTH FENCE FOR THE APPROXIMATE CENTER 1/4 CORNER OF SECTION 13.
5002	602,481.600	8,589,327.526	771+98.46 U.S. 395	440.58' Lt.	4/16/2013	SET 3/8" DIA. I.R. WITH 1 1/2" DIA. ALUMINUM CAP MARKED "OR STATE HWY DIV"
5003	602,500.970	8,589,760.561	773+24.01 U.S. 395	40.00' Lt.	4/16/2013	SET 3/8" DIA. I.R. WITH 1 1/2" DIA. ALUMINUM CAP MARKED "OR STATE HWY DIV"

RECEIVED BY  
Umatilla County Surveyor  
Date: 7/22/2013  
Rec'd By: J. [Signature]  
No.: 13-201-B

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SHEET 3 OF 3

