

BASIS OF BEARINGS

BEARINGS ARE BASED UPON THE OREGON COORDINATE SYSTEM - NORTH ZONE NAD 83 (CORS 96), RELATIVE TO PROJECT CONTROL POINTS OBSERVED BY GPS MEASUREMENT USING THE ORGN CORS CONTROL NETWORK.

ALL POINTS DERIVED USING THE ORGN WERE SUBSEQUENTLY CONVERTED TO GROUND COORDINATE VALUES USING THE FOLLOWING METHOD:

A COMBINED SCALE FACTOR FOR THE SITE WAS CALCULATED. COMBINED SCALE FACTOR = 0.99976984 GRID TO GROUND = 1.000230213

GRID COORDINATES WERE SCALED BY THIS FACTOR AROUND BASE POINT OF APA CONTROL POINT #503 - N596606.7810 E8841874.2550

COORDINATE POINT TABLE

POINT	NORTHING	EASTING
100	597996.842	8841815.366
101	597773.589	8841850.494
102	597772.213	8841790.510
103	596773.851	8841873.426
104	596772.476	8841813.442
105	595752.632	8841866.843
106	595753.320	8841896.835
107	595751.944	8841836.851
108	595594.554	8841874.844
109	595596.898	8841904.752
110	595592.211	8841844.935
111	595498.549	8841882.367
112	595500.892	8841912.275
113	595496.205	8841852.459
114	595193.989	8841898.048
115	595194.729	8841928.038
116	595193.248	8841868.057
117	594074.730	8841925.676
118	594075.470	8841955.666
119	594073.989	8841895.685
120	593075.034	8841950.352
121	593075.774	8841980.343
122	593074.294	8841920.361
123	592075.339	8841975.029
124	592076.118	8842005.019
125	592074.559	8841945.039
126	591275.637	8841996.864
127	591276.416	8842026.854
128	591274.857	8841966.874
129	589376.215	8842043.750
130	589376.916	8842073.742

DON'T NODTHING EAGTING

POINT	NORTHING	EASTING
131	589375.514	8842013.758
132	588577.072	8842091.390
		8842061.397
133	588576.410	
134	588575.670	8842031.406
135	587576.714	8842086.074
136	587577.455	8842116.065
137	587575.974	8842056.083
138	586994.492	8842100.446
139	586995.232	8842130.437
140	586993.751	8842070.455
141	586806.021	8842089.542
142	586801.827	8842119.248
143	586810.215	8842059.837
144	586611.946	8842062.142
145	586607.752	8842091.848
146	586616.139	8842032.437
147	586477.538	8842026.101
148	586466.307	8842053.919
149	586488.770	8841998.282
150	586373.220	8841983.983
151	586361.989	8842011.801
152	586199.541	8841943.771
153	586197.404	8841973.695
154	586201.679	8841913.847
202	590861.108	8841974.486
203	590531.121	8841982.622
204	590199.924	8841990.758
205	589868.682	8841999.006
206	597482.411	8841811.111
207	597206.681	8841818.534
218	586310.311	8841467.893
219	586375.207	8841872.563
221	586404.530	8841724.305
222	586484.347	8841729.321
	300 10 1.3-17	

SURVEY NARRATIVE

THIS SURVEY WAS PERFORMED AT THE REQUEST OF UNION COUNTY FOR THE PURPOSE OF LOCATING, MONUMENTING, AND LEGALIZING A PORTION OF COUNTY ROAD 44, PIERCE ROAD, IN PORTIONS OF SECTIONS 25, 26, 35 AND 36, T 3 S. R. 38 E., AND SECTIONS I AND, 2, T. 4 S. R. 38E W.M.

UNION COUNTY ROAD RECORDS SHOW A RIGHT-OF-WAY (NO WIDTH SPECIFIED) PETITIONED, CREATED AND ORDERED OPEN IN COMMISSIONER'S JOURNAL A, PAGE 468. THE POINT OF BEGINNING FOR THE PETITION FOR COUNTY ROAD NO. 44 IS AT THE NORTHEAST CORNER OF SECTION 14, TOWNSHIP 3 SOUTH IN RANGE 38 EAST. IT THEN RUNS SOUTHERLY 2 3/4 MILES TO POINT, THENCE WEST 20 CHAINS, THENCE SOUTH I MILE AND 37 CHAINS, THENCE S BY 33° E 62 CHAINS TO TERMINATE AT THE MOUTH OF LADD CANYON. THE ALIGNMENT AS DESCRIBED DEPARTS FROM THE EXISTING ROAD AT THE ANGLE POINT 2 3/4 MILES SOUTH OF THE POINT OF BEGINNING.

A SURVEY MAP TITLED "UNION COUNTY HIGHWAY DEPARTMENT MARKET ROAD - UNION COUNTY LONE TREE -LADD CANYON SECTION" DATED MARCH OF 1923, WAS FOUND, ALONG WITH A PROFILE DRAWING, TYPICAL CROSS-SECTIONS, AND SUPPORTING FIELD NOTES, IN THE RECORDS OF THE OFFICE OF THE UNION COUNTY PUBLIC WORKS DEPARTMENT. THIS ALIGNMENT WAS FOUND TO CLOSELY AGREE WITH THE LOCATION THE EXISTING ROADWAY OF PIERCE ROAD FROM STATE HIGHWAY 203 SOUTH TO THE INTERSECTION OF FOOTHILL RD WEST OF

ACCORDING TO AN ENTRY IN COMMISSIONER'S JOURNAL P, PAGE 104, DATED JANUARY 4, 1923, "LADD CANYON-LONE TREE" WAS DESIGNATED AS A MARKET ROAD PURSUANT TO CHAPTER 431, OF THE LAWS OF 1919. ORS 369.020 STATES ALL ROADS DESIGNATED AS COUNTY MARKET ROADS BEFORE JANUARY I, 1974 SHALL BE WAYS OF PUBLIC EASEMENT AND BECOME PART OF THE RESPECTIVE COUNTY ROAD SYSTEM. AT THE TIME THE ROAD WAS DESIGNATED A COUNTY MARKET ROAD, NO WIDTH WAS SPECIFIED. OREGON LAWS 1860, PAGE 36, SECTION 10 STATE THAT "ALL COUNTY ROADS SHALL BE SIXTY FEET IN WIDTH, UNLESS THE COUNTY COURT SHALL LIPON PRAYER OF THE PETITIONERS FOR THE SAME, DETERMINE A LESSER NUMBER OF FEET IN THE POINT OF WIDTH". SINCE NO EVIDENCE WAS FOUND OF A LESSER WIDTH BEING ORIGINALLY PETITIONED OR LATER SPECIFIED IN THE COUNTY ROAD MARKET DESIGNATION, THIS SURVEY USES SIXTY FEET AS THE WIDTH FOR LEGALIZATION.

BECAUSE THE PHYSICAL ROAD LOCATION DOES NOT CONFORM TO THE LOCATION AS DESCRIBED IN THE ORIGINAL ESTABLISHMENT, BECAUSE NO WIDTH HAS BEEN SPECIFIED, AND BECAUSE A WAY OF PUBLIC EASEMENT HAS BEEN CREATED THROUGH ORS 369.020, THE REQUIREMENTS FOR ROAD LEGALIZATION HAVE BEEN MET ACCORDING TO ORS 368.201 (3) "IF THE ROAD AS TRAVELED AND USED FOR 10 YEARS OR MORE DOES NOT CONFORM TO THE LOCATION OF A ROAD DESCRIBED IN THE COUNTY RECORDS".

A TOPOGRAPHIC FIELD SURVEY WAS CONDUCTED AT THE SITE IN DECEMBER, 2012. THE AREA OF SURVEY INCLUDES THE ROADWAY AND OTHER FEATURES FOR THE FULL RIGHT-OF-WAY WIDTH. SURVEY MEASUREMENTS INCLUDED THE LAYOUT OF A HORIZONTAL CONTROL NETWORK (UTILIZING GPS/RTK METHODS) ALONG THE DESCRIBED ROADWAYS. ADDITIONAL TOPOGRAPHIC MAPPING OF UTILITIES, EDGE OF GRAVEL, GROUND, ETC. WAS PERFORMED BY A COMBINATION OF TRADITIONAL TOTAL STATION MAPPING AND GPS RTK METHODS.

PUBLIC LAND CORNER AND PROPERTY CORNER POSITIONS WERE CONFIRMED USING THE OREGON REALTIME GPS NETWORK (ORGN) GPS OBSERVATIONS. THE CENTERLINE AS SHOWN ON THE SURVEY REFLECTS A LEGALIZED RIGHT-OF-WAY, 60 FEET IN WIDTH, FOLLOWING THE CENTERLINE AS SHOWN ON THE 1923 MARKET ROAD ALIGNMENT PLAN. THE LEGALIZATION IS BOUNDED ON THE NORTH BY THE SOUTH RIGHT-OF-WAY LINE OF THE LA GRANDE - BAKER HIGHWAY HIGHWAY (STATE HIGHWAY NO. 203) AND ON THE SOUTH BY THE RIGHT OF WAY LINES OF FOOTHILL ROAD AND THE OREGON DEPARTMENT OF TRANSPORTATION RIGHT OF WAY AT THE FOOTHILL ROAD INTERCHANGE WITH INTERSTATE 84.

MONUMENTS WERE SET ALONG THE RIGHT-OF-WAY AT ALL POINTS OF INTERSECTION, POINTS OF CURVE AND TANGENCY, AT 1000 FOOT INTERVALS ON TANGENTS, AND OTHER LOCATIONS AS SHOWN ON THE DRAWING. TIES ARE SHOWN TO FOUND MONUMENTATION IN THE AREA, HOWEVER PROPERTY LINES OF ADJOINING INDIVIDUAL PROPERTY OWNERS HAVE NOT BEEN RESOLVED.

PREVIOUS SURVEYS DONE ON THE EAST SIDE OF THE EXISTING ROAD IN SECTION 36 HAVE USED THE SECTION LINES AS THE CENTER OF THE RIGHT-OF-WAY AND SET PROPERTY CORNERS ON LINES OFFSET 30 FEET THEREFROM. THERE ARE NO COUNTY ROAD RECORDS THAT HAVE BEEN FOUND THAT ESTABLISH THAT LOCATION. THE ADJACENT EAST-WEST PROPERTY LINES TERMINATE AT THEIR INTERSECTIONS OR EXTENSIONS THEREOF WITH THE LEGALIZED RIGHT-OF-WAY LINES.

DURING THE COURSE OF THIS SURVEY IT WAS DISCOVERED THAT THE SECTION CORNER COMMON TO SECTIONS 25, 26, 35, AND 36 T35, R38E HAS BEEN OBLITERATED. THIS SURVEY RESETS THAT CORNER FROM EXISTING MONUMENTATION TO THE NORTH AND SOUTH USING THE DATA FROM COUNTY SURVEYS 034-1998 AND 034-2002. SEE SHEET 4 FOR DETAILS.

REFERENCES

(RI) UNION COUNTY MAP OF SURVEY CS 034-2002

(R2) UNION COUNTY MAP OF SURVEY CS 034-1998

(R3) UNION COUNTY MAP OF SURVEY C5 042-2006 (R4) UNION COUNTY MAP OF SURVEY CS 46-77

(R5) UNION COUNTY SUBDIVISION MAP OF LADD CREEK ESTATES M#20070021T

(R6) ODOT HIGHWAY RIGHT OF WAY MAP DRG 9B-01-18

(R7) ODOT RIGHT OF WAY DEED FILE #41038

(R8) MONUMENTATION RECORD NUMBER 074-1998R

(R9) MONUMENTATION RECORD NUMBER 025-2002R (RIO) MONUMENTATION RECORD NUMBER 073-1998R (RII) MONUMENTATION RECORD NUMBER 121-1996R

OREGON

JAN. 20, 1998 MICHAEL B. POSADA 02849 LS RENEWS 12/31/14

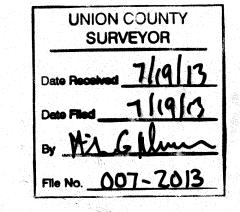
REGISTERED PROFESSIONAL

LAND SURVEYOR

w/3/hul

DATEO: 07-18-2013

SURVEY NUMBER 007-2013



MAP OF SURVEY PIERCE ROAD LEGALIZATION SECTIONS 25, 26, 35 & 36, T3S, R38E, WM SECTIONS 1 & 2, T4S, R38E, W.M.

UNION COUNTY, OREGON

SCALE: NO SCALE DATE: JULY 2013 JOB NO.

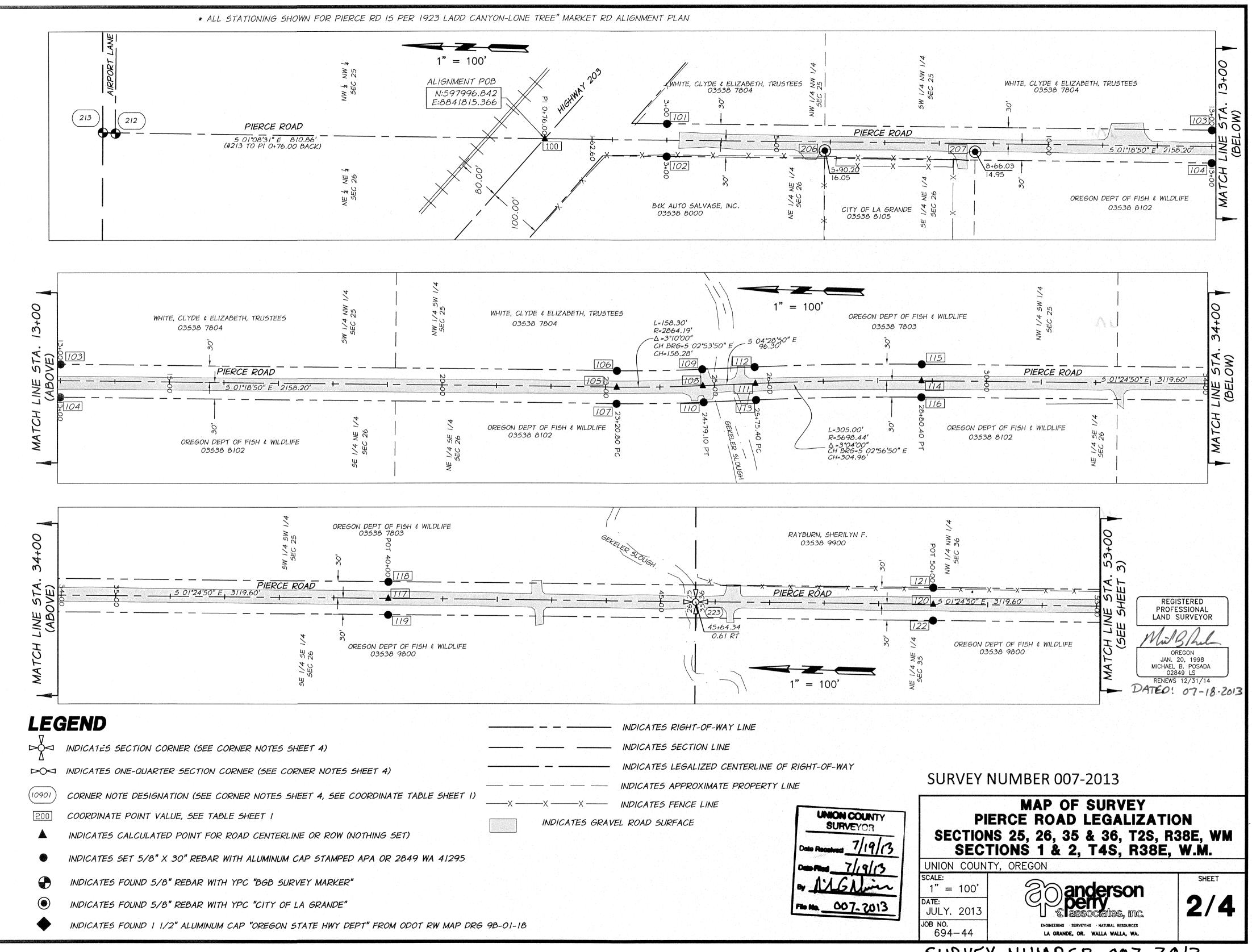
694-44

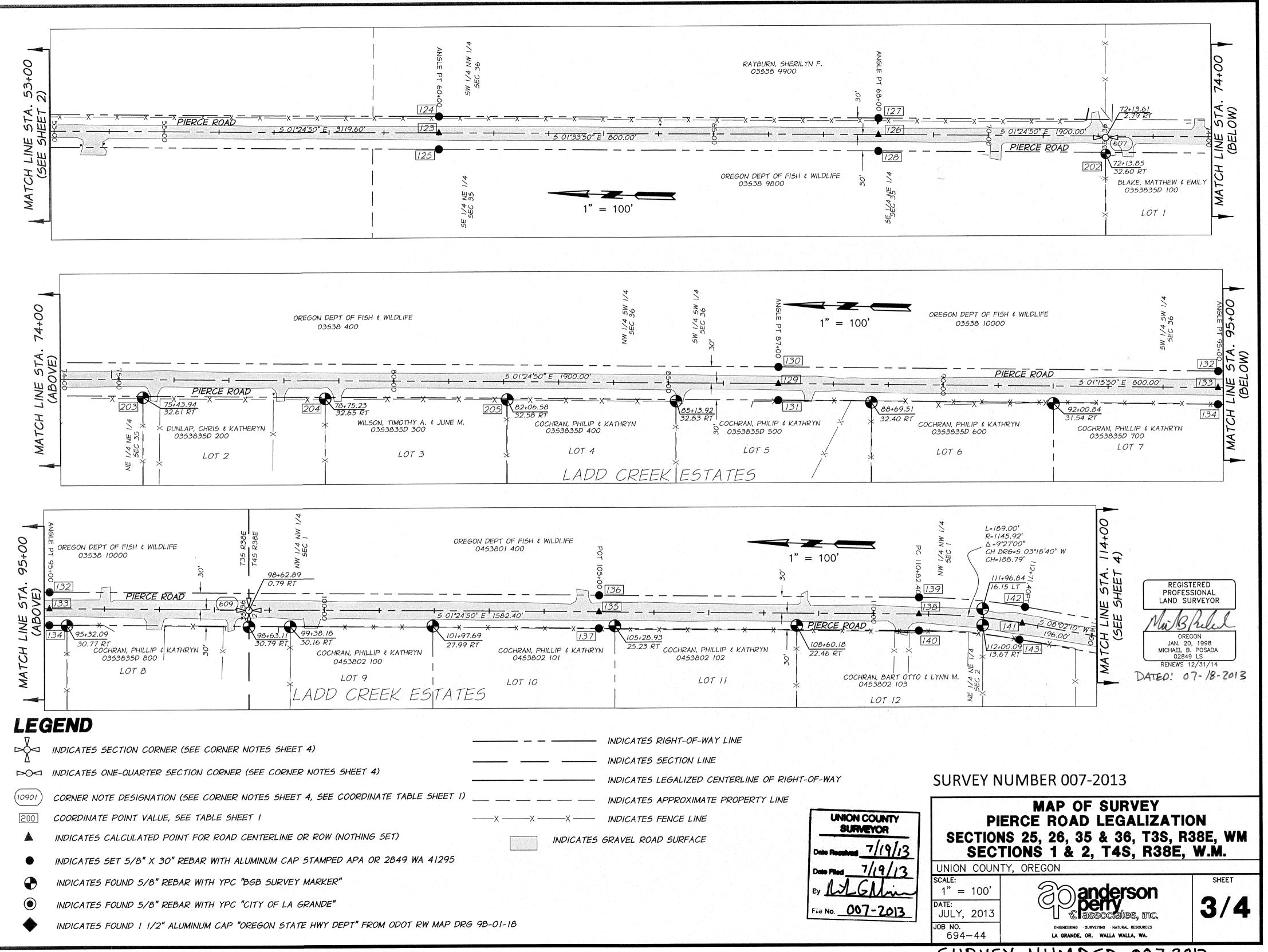
LA GRANDE, OR. WALLA WALLA, WA.

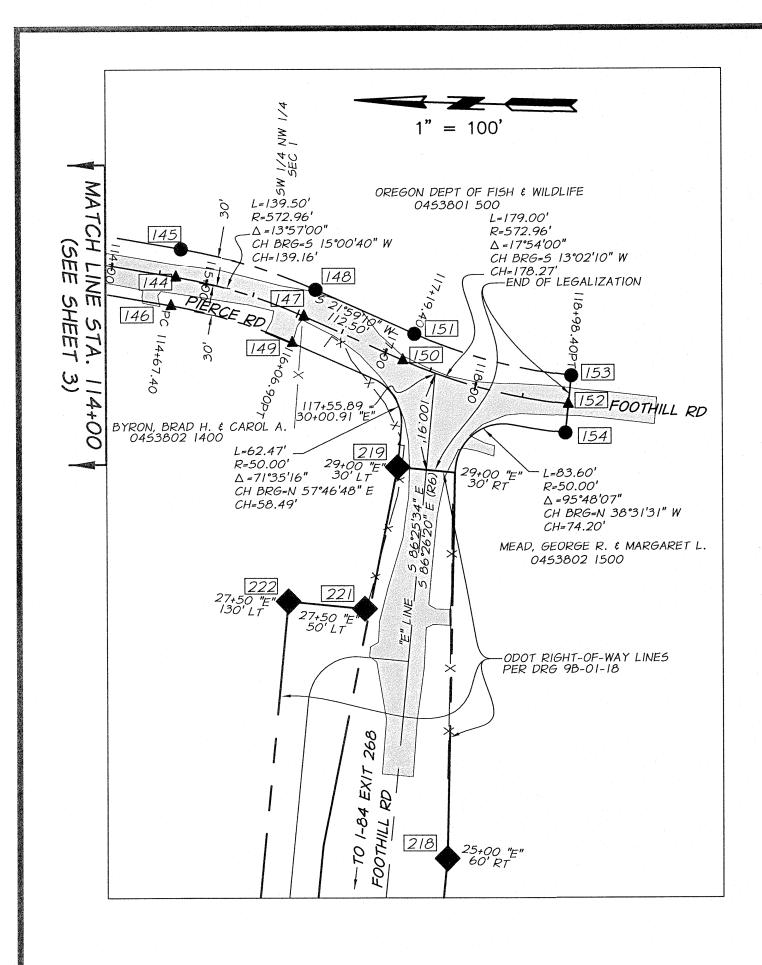
1/4

SHEET

NUMBER 007-2013







LEGEND

INDICATES SECTION CORNER (SEE CORNER NOTES THIS SHEET)

DO INDICATES ONE-QUARTER SECTION CORNER (SEE CORNER NOTES THIS SHEET)

(10901) CORNER NOTE DESIGNATION (SEE CORNER NOTES THIS SHEET, SEE COORDINATE TABLE SHEET I)

200 COORDINATE POINT VALUE, SEE TABLE SHEET I

INDICATES CALCULATED POINT FOR ROAD CENTERLINE OR ROW (NOTHING SET)

INDICATES SET 5/8" X 30" REBAR WITH ALUMINUM CAP STAMPED APA OR 2849 WA 41295

INDICATES FOUND 5/8" REBAR WITH YPC "BGB SURVEY MARKER"

INDICATES FOUND 5/8" REBAR WITH YPC "CITY OF LA GRANDE"

INDICATES FOUND I 1/2" ALUMINUM CAP "OREGON STATE HWY DEPT" FROM ODOT RW DRG 9B-01-18

INDICATES RIGHT-OF-WAY LINE

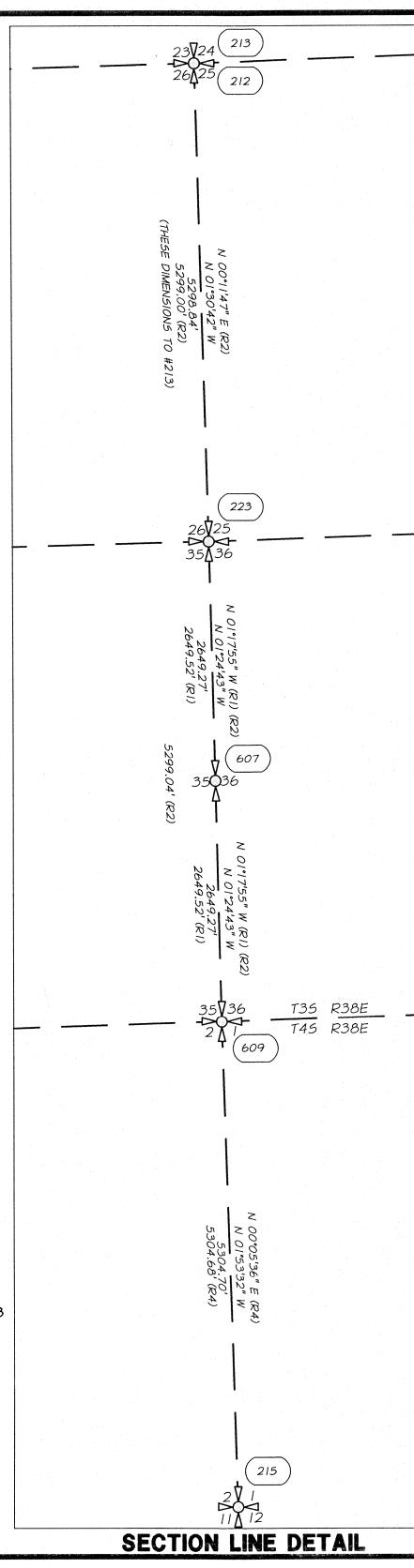
INDICATES SECTION LINE

INDICATES LEGALIZED CENTERLINE OF RIGHT-OF-WAY

INDICATES APPROXIMATE PROPERTY LINE

INDICATES FENCE LINE

INDICATES GRAVEL ROAD SURFACE

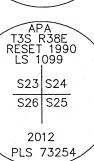


CORNER NOTES

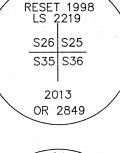
FOUND 5/8" BY 30" COPPER CLAD SMOOTH IRON ROD WITH 2 1/2" BRASS DISK IN MONUMENT CASE AND MARKED AS SHOWN. SEE MONUMENTATION RECORD 066-2012R.

T3S R38E RESET 1974 LS 991 S23 S24 S26 S25

FOUND 5/8" BY 30" COPPER CLAD SMOOTH IRON ROD WITH 2 1/2" BRASS DISK IN MONUMENT CASE AND MARKED AS SHOWN. SEE MONUMENTATION RECORD 065-2012R. #212 IS 502°03'55"W 23.29' FROM #213.



5ET 2-1/2" BRASS DISK IN EPOXY INTO SURFACE OF STEEL BRIDGE DECK, MARKED AS SHOWN. SEE MONUMENTATION RECORD 073-1998R AND COUNTY SURVEY 034-1998. NEW CORNER REMONUMENTATION RECORD TO BE FILED SEPARATELY.



APA T3S R38E

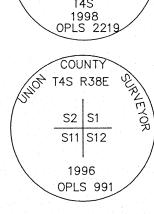
FOUND 2 1/2" BRASS CAP MARKED AS SHOWN.
SEE MONUMENTATION RECORD 025-2002R AND COUNTY SURVEY NO. 034-2002.

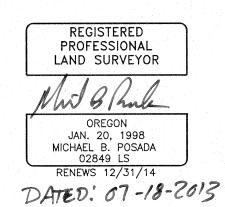


FOUND 2 1/2" BRASS CAP MARKED AS SHOWN.
SEE MONUMENTATION RECORD 074-1998R AND COUNTY SURVEY NO. 034-1998.

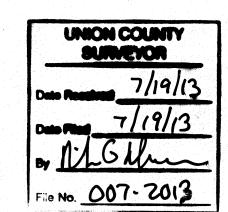


FOUND 2 1/2" ALUMINUM CAP MARKED AS SHOWN.
SEE MONUMENTATION RECORD 121-1996R.





SURVEY NUMBER 007-2013



MAP OF SURVEY
PIERCE ROAD LEGALIZATION
SECTIONS 25, 26, 35 & 36, T3S, R38E, WM
SECTIONS 1 & 2, T4S, R38E, W.M.

UNION COUNTY, OREGON

SCALE:

1" = 100'

DATE:

JULY. 2013

JOB NO.

ENGINEERING SURVEYING NATURAL RESOUR

694-44

4/4