

**172nd / 190th Corridor
Engineer's Centerline Description**

Prepared by Jack Carlson, Otak, Inc., 11/10/2011

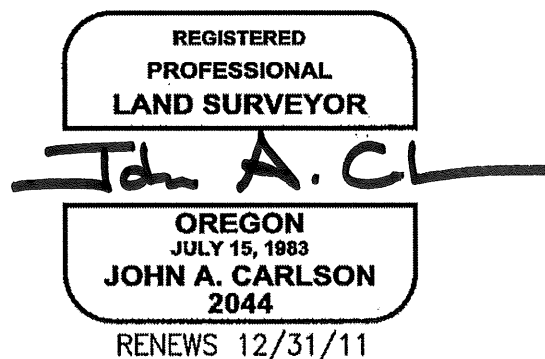
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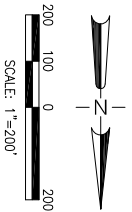
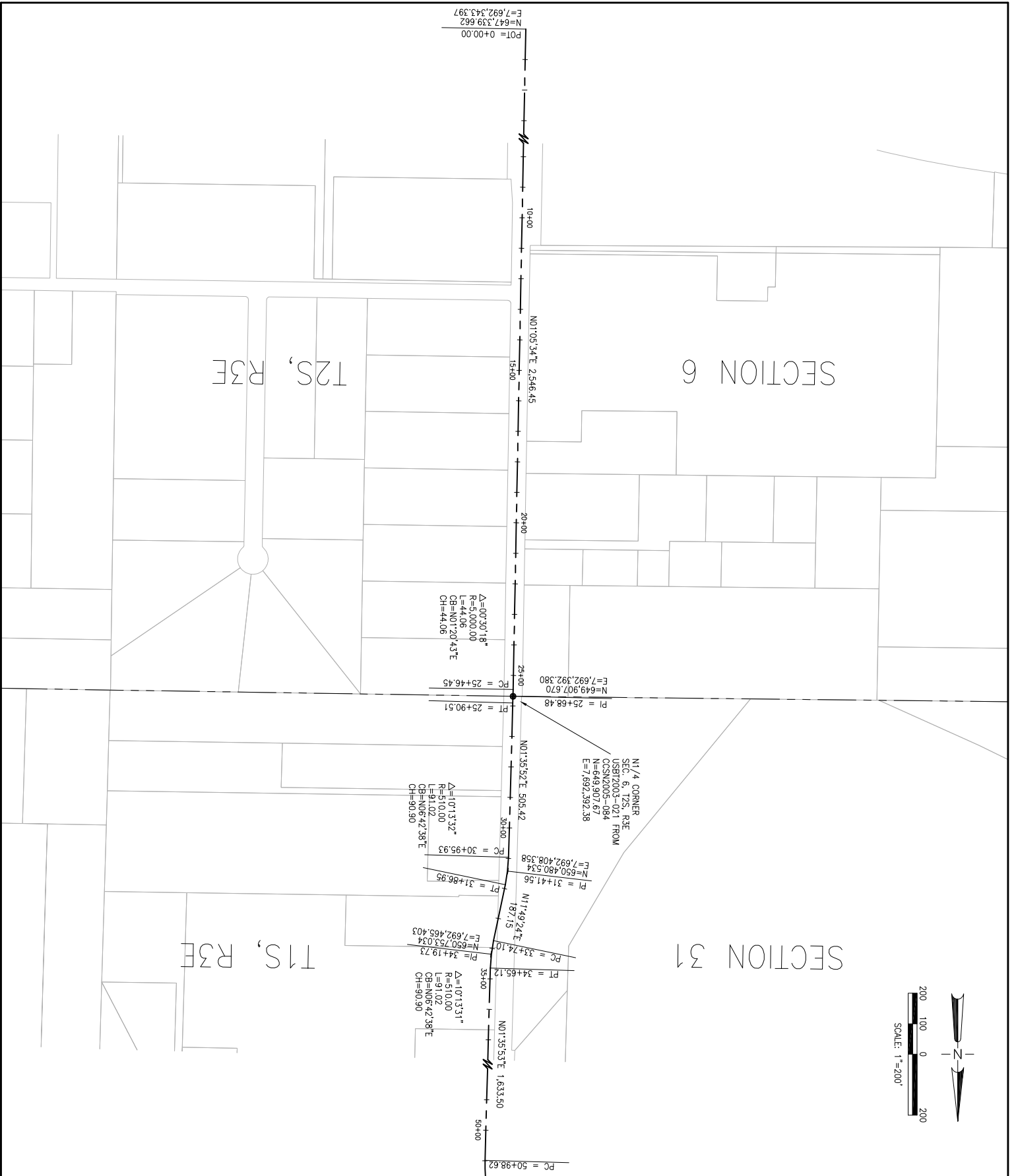
This Engineer's Centerline lies in Sections 29, 30 and 31, Township 1 South, Range 3 East, and Section 6, Township 2 South, Range 3 East, Willamette Meridian, Clackamas County, Oregon.

Beginning at Engineer's Centerline Station 0+00.00, which point bears S.01°05'34"W., a distance of 2,568.48 feet from the North 1/4 Corner of said Section 6; thence N.01°05'34"E., a distance of 2,546.45 feet to Engineer's Centerline Station 25+46.45 and the point of curve right of a 5,000.00 foot radius curve; thence along the arc of said curve right through a central angle of 00°30'18", a distance of 44.06 feet (chord bears N.01°20'43"E., a distance of 44.06 feet) to Engineer's Centerline Station 25+90.51; thence N.01°35'52"E., a distance of 505.42 feet to Engineer's Centerline Station 30+95.93 and the point of curve right of a 510.00 foot radius curve; thence along the arc of said curve right through a central angle of 10°13'32", a distance of 91.02 feet (chord bears N.06°42'38"E., a distance of 90.90 feet) to Engineer's Centerline Station 31+86.95; thence N.11°49'24"E., a distance of 187.15 feet to Engineer's centerline Station 33+74.10 and the point of curve left of a 510.00 foot radius curve; thence along the arc of said curve left through a central angle of 10°13'31", a distance of 91.02 feet (chord bears N.06°42'38"E., a distance of 90.90 feet) to Engineer's Centerline Station 34+65.12; thence N.01°35'53"E., a distance of 1,633.50 feet to Engineer's Centerline Station 50+98.62 and the point of curve left of a 510.00 foot radius curve; thence along the arc of said curve left through a central angle of 10°55'42", a distance of 97.28 feet (chord bears N.03°51'58"W., a distance of 97.13 feet) to Engineer's Centerline Station 51+95.90; thence N.09°19'49"W., a distance of 163.12 feet to Engineer's Centerline Station 53+59.02 and the point of curve right of a 510.00 foot radius curve; thence along the arc of said curve right through a central angle of 10°55'42", a distance of 97.28 feet (chord bears N.03°51'58"W., a distance of 97.13 feet) to Engineer's Centerline Station 54+56.30; thence N.01°35'53"E., a distance of 2,401.92 feet to Engineer's Centerline Station 78+58.22, said point being the North 1/4 Corner of said Section 31; thence N.01°21'47"E., a distance of 1,874.58 feet to Engineer's Centerline Station 97+32.80 and the point of curve right of a 965.00 foot radius curve; thence along the arc of said curve right through a central angle of 64°21'46", a distance of 1,084.02 feet (chord bears N.33°32'40"E., a distance of 1,027.92 feet) to Engineer's Centerline Station 108+16.82; thence N.65°43'33"E., a distance of 534.36 feet to Engineer's Centerline Station 113+51.18 and the point of curve left of a 510.00 foot radius curve; thence along the arc of said curve left through a central angle of 14°23'35", a

distance of 128.12 feet (chord bears N.58°31'46"E., a distance of 127.78 feet) to Engineer's Centerline Station 114+79.30; thence N.51°19'58"E., a distance of 227.26 feet to Engineer's Centerline Station 117+06.56 and the point of curve right of a 510.00 foot radius curve; thence along the arc of said curve right through a central angle of 21°24'42", a distance of 190.59 feet (chord bears N.62°02'19"E., a distance of 189.48 feet) to Engineer's Centerline Station 118+97.15; thence N.72°44'40"E., a distance of 1,309.98 feet to Engineer's Centerline Station 132+07.13 and the point of curve left of a 765.00 foot radius curve; thence along the arc of said curve left through a central angle of 12°03'51", a distance of 161.08 feet (chord bears N.66°42'44"E., a distance of 160.78 feet) to Engineer's Centerline Station 133+68.21; thence N.60°40'49"E., a distance of 488.21 feet to Engineer's Centerline Station 138+56.42 and the point of curve right of a 765.00 foot radius curve; thence along the arc of said curve right through a central angle of 20°18'11", a distance of 271.08 feet (chord bears N.70°49'54"E., a distance of 269.66 feet) to Engineer's Centerline Station 141+27.50; thence N.80°59'00"E., a distance of 739.96 feet to Engineer's Centerline Station 148+67.46 and the point of curve left of a 560.00 foot radius curve; thence along the arc of said curve left through a central angle of 33°33'36", a distance of 328.01 feet (chord bears N.64°12'12"E., a distance of 323.34 feet) to Engineer's Centerline Station 151+95.47; thence N.47°25'24"E., a distance of 159.98 feet to Engineer's Centerline Station 153+55.45 and the point of curve left of a 765.00 foot radius curve; thence along the arc of said curve left through a central angle of 45°14'26", a distance of 604.04 feet (chord bears N.24°48'11"E., a distance of 588.47 feet) to Engineer's Centerline Station 159+59.49; thence N.02°10'58"E., a distance of 233.87 feet to Engineer's Centerline Station 161+93.36, said point being on the north line of said Section 29, and which point bears N.87°56'26"W., a distance of 402.44 feet from the North 1/4 Corner of said Section 29, and which point being the terminus of this Engineer's Centerline.

Bearings AND distances are based on the Oregon Coordinate System of 1983, North Zone.





Calculated	JAC	11/9/2011
Drawn	JAC	11/10/2011
Checked	GEF	11/11/2011
Checked		

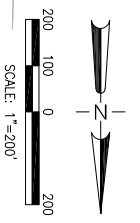
REGISTERED
 PROFESSIONAL
 LAND SURVEYOR
John A. Carlson
 OREGON
 JULY 16, 1988
 JOHN A. CARLSON
 2044
 RENEWS 12/31/11

172ND/190TH CORRIDOR
EXHIBIT MAP TO ACCOMPANY
ENGINEER'S CENTERLINE LEGAL DESCRIPTION

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 engineers
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 Project No. **15343**



SECTION 30

SECTION 31

172ND/190TH CORRIDOR
 EXHIBIT MAP TO ACCOMPANY
 ENGINEER'S CENTERLINE LEGAL DESCRIPTION

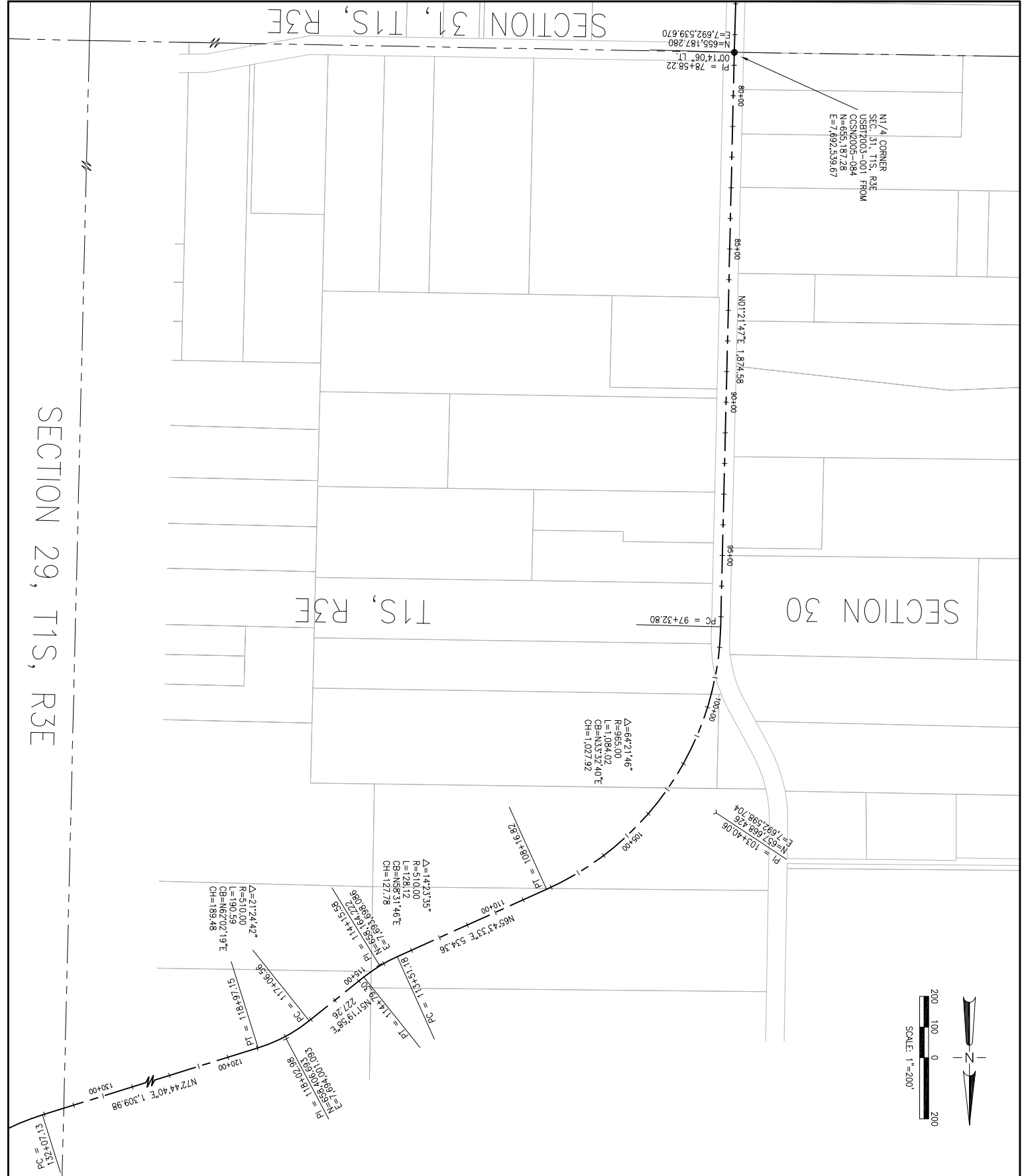
REGISTERED
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John A. Carlsson
 OREGON
 JULY 15, 1988
 JOHN A. CARLSSON
 2044
 RENEWS 12/31/11

REVISIONS	
Calculated	JAC
Drawn	GEF
Checked	
Date	Date
11/10/2011	11/11/2011

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Sheet No. **2 OF 4**
 Project No. **15343**



otak INCORPORATED REGISTERED PROFESSIONAL ENGINEERS AND SURVEYORS 17355 S.W. BOONIS FERRY ROAD LAKE OSWEGO, OREGON 97035 (503) 655-3818 FAX (503) 655-5355	172ND/190TH CORRIDOR EXHIBIT MAP TO ACCOMPANY ENGINEER'S CENTERLINE LEGAL DESCRIPTION		REGISTERED PROFESSIONAL LAND SURVEYOR <i>John A. Carlsson</i> OREGON JULY 15, 1988 JOHN A. CARLSSON 2044 RENEWS 12/31/11	Calculated JAC 11/9/2011 Drawn JAC 11/10/2011 Checked GEP 11/11/2011
	Sheet No. 3 OF 4 Project No. 15343			REVISIONS Date

