

NE 1/4 SEC 5 T39S R1E WM
 NW 1/4 SEC 5 T39S R1E WM
 SE 1/4 SEC 5 T39S R1E WM
 SW 1/4 SEC 4 T39S R1E WM

*** RECEIVED ***
 DATE 9/28/06 BY [Signature]
 This survey consists of:
 5 sheets Map
 2 pages Narrative
 JACKSON COUNTY
 SURVEYOR

SHEET LAYOUT DIAGRAM
 NOT TO SCALE

NARRATIVE

THE PURPOSE OF THIS SURVEY IS TO RESOLVE THE FIELD LOCATION OF THE EXISTING RIGHT OF WAY FOR A PORTION OF THE CENTRAL OREGON & PACIFIC RAILROAD FROM THE VICINITY OF LAUREL STREET TO THE INTERSECTION WITH JACKSON ROAD, NOW VACATED. THIS SURVEY WAS ALSO MADE TO PERPETUATE ANY EXISTING SURVEY MONUMENTS THAT LIE NEAR THE FUTURE MULTI-USE PATH PLANNED ALONG THE NORTHEASTERLY SIDE OF THE EXISTING RAILROAD TRACKS IN ASHLAND. PERPETUATION OF THE MONUMENT LOCATIONS WAS ACCOMPLISHED BY TIEING THE MONUMENTS TO THE PROJECT CONTROL NETWORK. THIS SURVEY WAS MADE AT THE REQUEST OF THE CITY OF ASHLAND AND MEETS THE REQUIREMENTS FOR A RECOVERY SURVEY AS OUTLINED IN THE OREGON REVISED STATUTES, CHAPTER 209.155.

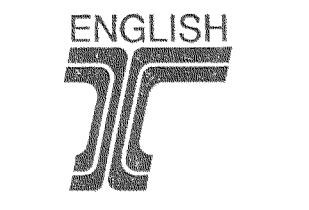
THIS SURVEY WAS PERFORMED IN INTERNATIONAL FEET. TO CONVERT FROM INTERNATIONAL FEET TO METERS MULTIPLY BY .3048. TO CONVERT FROM INTERNATIONAL FEET TO U.S. SURVEY FEET MULTIPLY BY .999998.

THIS SURVEY UTILIZED A LOCAL DATUM PLANE (LDP) COORDINATE SYSTEM, WHICH IS RELATIVE TO THE OREGON STATE PLANE COORDINATE SYSTEM - SOUTH ZONE, NAD 83(CORS96) EPOCH 2002. TO CONVERT THE LDP COORDINATES TO THE OREGON STATE PLANE COORDINATE SYSTEM - SOUTH ZONE, NAD 83(CORS96) EPOCH 2002, MULTIPLY THE COORDINATE VALUES BY A COMBINED FACTOR OF 0.99995036.

CONTROL POINTS FOR THIS SURVEY WERE NOT SET ON AND DO NOT REPRESENT PROPERTY LINES OR RIGHT OF WAY LINES AND ARE INTENDED FOR USE BY THE CITY OF ASHLAND AND OBEC CONSULTING ENGINEERS IN SUPPORT OF FUTURE PROJECTS. IT IS NOT THE INTENT OF THE CITY OF ASHLAND OR OBEC CONSULTING ENGINEERS TO PERPETUATE THESE CONTROL POINTS AS MONUMENTS.

THE INITIAL CONTROL SURVEY WAS MADE USING STATIC SURVEYING METHODS AND WAS PERFORMED IN MARCH, 2006. THE SURVEY EQUIPMENT CONSISTED OF ONE TRIMBLE 4400 GPS RECEIVER, TWO TRIMBLE R8 RECEIVERS, ONE TRIMBLE ACU DATA COLLECTOR, ONE TRIMBLE TSC2 DATA COLLECTOR, AND ONE TRIMBLE TSC1 DATA COLLECTOR. FOUND RECORD OF SURVEY MONUMENTS WERE TIED USING A TRIMBLE 5600 TOTAL STATION WITH A TRIMBLE TSC2 DATA COLLECTOR.

CENTRAL OREGON & PACIFIC RAILROAD
 THIS RESOLUTION COVERS A PORTION OF THE RAILROAD RIGHT OF WAY FROM APPROXIMATE STATION 1042+73 TO APPROXIMATE STATION 1100+49, AS SHOWN ON RAILROAD MAPS V-16/1 AND V-15/8. THE RAILROAD RIGHT OF WAY WAS ORIGINALLY ESTABLISHED BY DEED IN THE LATE 1800'S, WHICH REFERRED TO THE "AS CONSTRUCTED" RAILROAD TRACK FOR CENTER LINE CONTROL AND SPECIFIES A RIGHT OF WAY WIDTH OF 60 FEET. THE BASIS OF BEARING FOR THE BACK AND AHEAD TANGENTS IN HORIZONTAL CURVES WAS DETERMINED BY CALCULATING A MEAN DISTANCE BETWEEN THE TRACK RAILS IN STRAIGHT TRACK SECTIONS. HORIZONTAL CURVE INFORMATION WAS CALCULATED USING THE CHORD DEFINITION AND BY HOLDING THE RECORD DEGREE OF CURVE SHOWN ON RAILROAD MAPS V-16/1 AND V-15/8. NO EVIDENCE OF ANY MONUMENTATION WAS FOUND IN ANY RAILROAD MAP DOCUMENTATION. MONUMENTS SET FOR FILED SURVEYS ALONG THE RAILROAD FIT GENERALLY WELL WITH THE ESTABLISHED RIGHT OF WAY LINE OFFSETS. THE SOUTHERN PACIFIC RAILROAD RIGHT OF WAY MAP DID NOT INDICATE THE BASIS OF STATIONING AND DID NOT SHOW ANY REFERENCES TO GOVERNMENT CORNER TIES. FOR THE PURPOSE OF THIS SURVEY, THE PC STATION 1055+20.0 WAS HELD WHICH RESULTED IN A STATIONING DIFFERENCE AT THE END OF THE PROJECT OF 0.92 FEET (RECORD PT STATION 1098+17.0). NO RECORD BEARING INFORMATION WAS FOUND ON DEEDS OR SURVEY MAPS.



REGISTERED
 PROFESSIONAL
 LAND SURVEYOR

OREGON
 JULY 15, 2003
 ANDREW D. AUSLAND
 50158

RENEWAL DATE: DEC. 31, 2007
 SIGNED: [Signature]

OBEC CONSULTING ENGINEERS
 1335 POPLAR DRIVE
 MEDFORD, OREGON 97504
 TEL. (541) 774-5590 FAX. (541) 774-5591

HORIZONTAL CONTROL, RECOVERY
 AND RETRACEMENT MAP
 JACKSON ROAD - N. LAUREL STREET, ASHLAND SECTION
 FOR THE CITY OF ASHLAND
 JACKSON COUNTY

AUGUST 2006
 ODOT KEY NO. 13262
 NO SCALE
 DESIGNED: A. AUSLAND
 PROJ. NO. 019-76.6
 SHT. 1 OF 5
 DRAWN: R. ODEAR
 CHK'D: JOHN PARIANI
 FILE NO. 16973S

JOHN PARIANI [Signature] OBEC
 APPROVED BY: GROUP MANAGER TITLE

NE 1/4 SEC 5 T39S R1E WM
 NW 1/4 SEC 5 T39S R1E WM
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 SW 1/4 SEC 4 T39S R1E WM

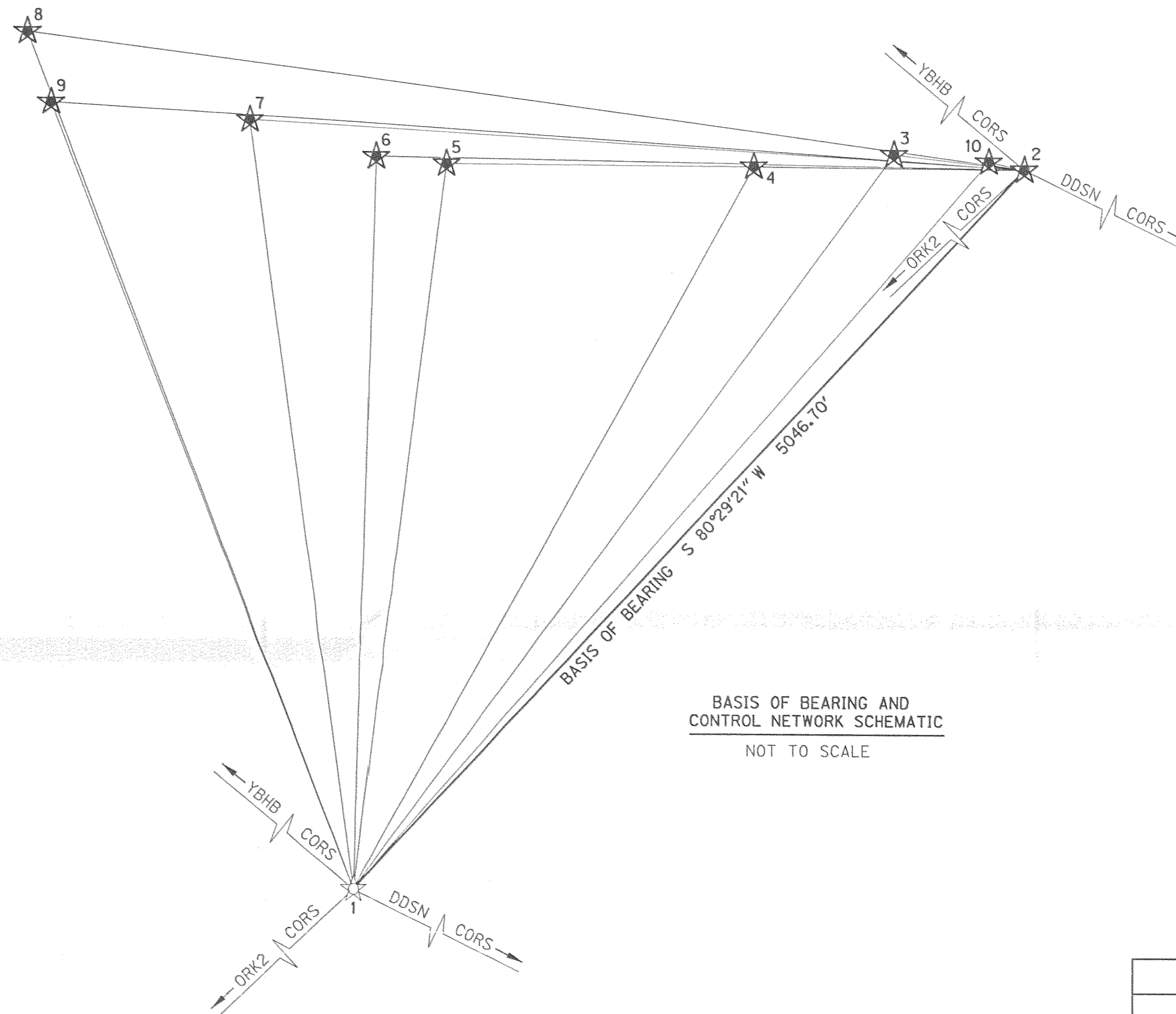
CONTROL NARRATIVE

PROJECT: JACKSON ROAD - N. LAUREL STREET, ASHLAND SECTION
 LOCATION: CITY OF ASHLAND, JACKSON COUNTY, OREGON
 OBEC PROJECT: 19-76.6
 SURVEY DATUM:
 HORIZONTAL - NAD 83(CORS96) EPOCH 2002 (INTERNATIONAL FEET)
 VERTICAL - NAVD 88 (INTERNATIONAL FEET)

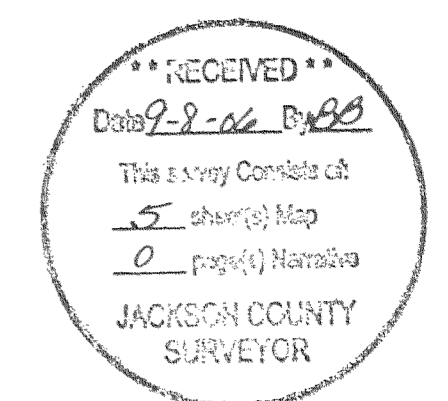
THE INITIAL CONTROL NETWORK MONUMENTATION WAS SET AND A LEAST SQUARES ADJUSTMENT WAS PERFORMED ON THE PRIMARY GPS POINTS. THE TWO POSITIONS THAT WERE HELD FIXED FOR THIS NETWORK (POINTS 1 & 2) WERE ESTABLISHED USING STATIC OBSERVATIONS FROM CORS STATIONS "ORK2", "DDSN" AND "YBHB". NETWORK POINTS WERE ADJUSTED IN OREGON STATE PLANE - SOUTH ZONE, NAD 83(CORS96) EPOCH 2002. THIS SURVEY UTILIZED A LOCAL DATUM PLANE (LDP) COORDINATE SYSTEM, WHICH IS RELATIVE TO THE OREGON STATE PLANE COORDINATE SYSTEM - SOUTH ZONE, NAD 83(CORS96) EPOCH 2002. TO CONVERT THE LDP COORDINATES TO THE OREGON STATE PLANE COORDINATE SYSTEM - SOUTH ZONE, NAD 83(CORS96) EPOCH 2002, MULTIPLY THE COORDINATE VALUES BY A COMBINED FACTOR OF 0.99995036.

REFERENCES

- SN 8041
- SN 7603
- SN 11312
- SN 11367
- SN 11999
- SN 13181
- SN 17770
- SN 18207
- HALMA VILLAGE (P.U.D.)
- BILLINGS RANCH SUBDIVISION
- INSTRUMENT NO. 03-16307 (VACATION ORDER NO. 72-03)
- RAILROAD RIGHT OF WAY ROLL MAP V-15/8
- RAILROAD RIGHT OF WAY ROLL MAP V.16/1
- OREGON STATE HIGHWAY DEPARTMENT (O.S.H.D.) DRG. NO. 2B-21-20



BASIS OF BEARING AND CONTROL NETWORK SCHEMATIC
 NOT TO SCALE



1.96 SIGMA (95%) CONFIDENCE LEVEL LIMITS

POINT NO.	SEMI MAJOR	SEMI MINOR	ORIENTATION*
3	0.02 ift	0.02 ift	333°44'39"
4	0.02 ift	0.02 ift	341°34'36"
5	0.02 ift	0.02 ift	186°01'58"
6	0.02 ift	0.02 ift	359°38'02"
7	0.02 ift	0.02 ift	347°47'44"
8	0.02 ift	0.02 ift	304°45'02"
9	0.02 ift	0.02 ift	197°34'52"
10	0.02 ift	0.02 ift	343°40'00"

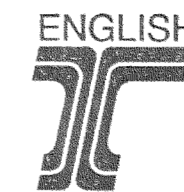
* NORTH AZIMUTH

FIXED POINTS NOT SUBJECT TO LEAST SQUARES ADJUSTMENT OR CONFIDENCE LEVEL ANALYSIS: 1, 2

FND = FOUND
 RPC = RED PLASTIC CAP

NETWORK POINT COORDINATE TABLE

PT. ID.	LDP NORTHING	LDP EASTING	DESCRIPTION
1	208059.60	4322374.61	FND 5/8" x 30" REBAR W/RPC STAMPED "OBEC CONTROL"
2	207225.72	4317397.27	SET 5/8" x 30" REBAR W/RPC STAMPED "OBEC CONTROL"
3	206759.86	4317882.98	SET 5/8" x 30" REBAR W/RPC STAMPED "OBEC CONTROL"
4	206372.17	4318494.52	SET MAG NAIL W/ WASHER STAMPED "OBEC CONTROL"
5	205405.74	4319743.19	SET 5/8" x 30" REBAR W/RPC STAMPED "OBEC CONTROL"
6	205157.65	4320008.47	SET 5/8" x 30" REBAR W/RPC STAMPED "OBEC CONTROL"
7	204613.28	4320412.66	SET 5/8" x 30" REBAR W/RPC STAMPED "OBEC CONTROL"
8	203554.46	4321044.47	SET MAG NAIL W/ WASHER STAMPED "OBEC CONTROL"
9	203917.71	4321167.65	SET MAG NAIL W/ WASHER STAMPED "OBEC CONTROL"
10	207083.17	4317517.27	SET 5/8" x 30" REBAR W/RPC STAMPED "OBEC CONTROL"



REGISTERED PROFESSIONAL LAND SURVEYOR

OREGON JULY 15, 2003
 ANDREW D. AUSLAND
 55136

RENEWAL DATE: DEC. 31, 2007
 SIGNED: *ag/ez/06*

JOHN PARIANI *[Signature]* OBEC
 APPROVED BY: GROUP MANAGER TITLE

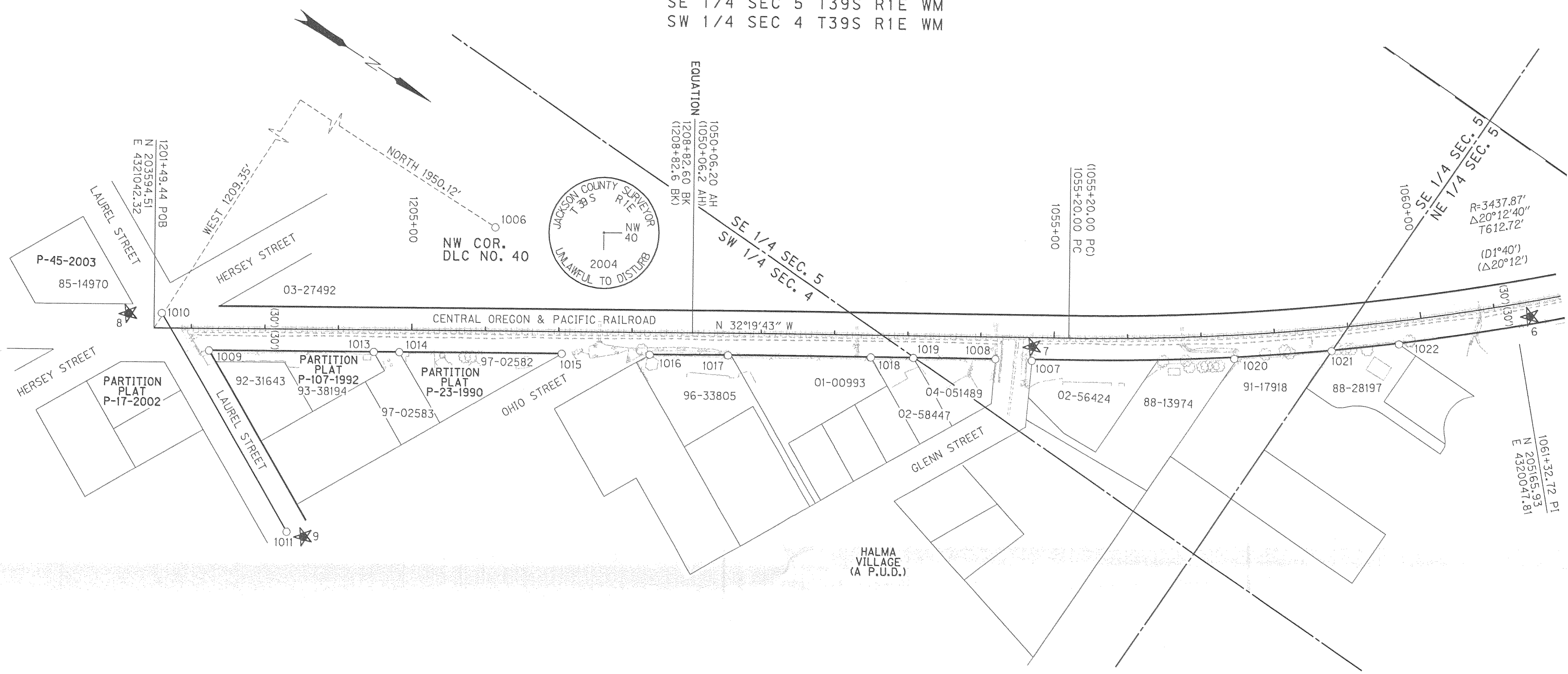
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OBEC CONSULTING ENGINEERS 1335 POPLAR DRIVE
 MEDFORD, OREGON 97504
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HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT MAP
 JACKSON ROAD - N. LAUREL STREET, ASHLAND SECTION
 FOR THE CITY OF ASHLAND JACKSON COUNTY

AUGUST 2006 ODOT KEY NO. 13262 NO SCALE
 DESIGNED: A. AUSLAND PROJ. NO. 019-76.6 SHT. 2 OF 5
 DRAWN: R. ODEAR CHK'D: JOHN PARIANI FILE NO. 169745

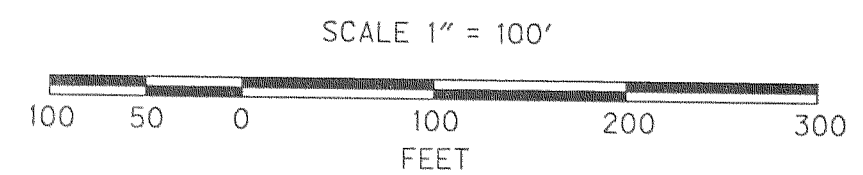
NE 1/4 SEC 5 T39S R1E WM
 SE 1/4 SEC 5 T39S R1E WM
 SW 1/4 SEC 4 T39S R1E WM



LEGEND

- FOUND MONUMENT
- ★ SET GPS POINT
- () RECORD DATA PER R.R. R/W ROLL MAPS V.15/8 & V.16/1
- RESOLVED RIGHT OF WAY
- PROPERTY LINE

****RECEIVED****
 Date 8-2-06 By BB
 This survey consists of:
5 sheet(s) Map
0 page(s) Narrative
JACKSON COUNTY SURVEYOR



RECOVERED MONUMENT LIST

FND = FOUND
 SN = COUNTY SURVEY
 RPC = RED PLASTIC CAP
 YPC = YELLOW PLASTIC CAP

PT. ID.	LDP NORTHING	LDP EASTING	STATION	OFFSET	DATE	DESCRIPTION & REFERENCE DOCUMENTS
1006	205544.63	4319832.97	1065+31.06	176.14 RT	04-10-2006	FND 2" BRONZE DLC CAP "JACKSON CO. SURVEYOR T39SR1E NW DLC 40 2004"
1007	204622.95	4320428.88	1054+70.12	31.63 RT	04-10-2006	FND 5/8" IRON ROD W/YPC STAMPED "E.L. SWAIN RLS 759" - SN 8041
1008	204579.85	4320454.27	1054+20.12	30.03 RT	04-10-2006	FND 5/8" IRON ROD - SN 11312
1009	203673.81	4321027.55	1202+24.34	29.93 RT	04-10-2006	FND 2" ALUMINUM DISK STAMPED "INITIAL PT PLS 2189" - SN 13181
1010	203592.50	4321019.63	1201+59.87	20.25 LT	04-10-2006	FND 3" BRASS DISK IN MONUMENT WELL "CITY OF ASHLAND SURVEY MARKER NO.1992"
1011	203895.06	4321174.42	1203+32.76	272.35 RT	04-10-2006	FND 3" BRASS DISK IN MONUMENT WELL "CITY OF ASHLAND SURVEY MONUMENT NO. "
1013	203863.24	4320907.66	1204+48.53	29.92 RT	04-17-2006	FND 5/8" IRON ROD W/YPC STAMPED "SPERO LS 2309" - SN 11999
1014	203892.73	4320889.00	1204+83.42	29.92 RT	04-17-2006	FND 5/8" IRON ROD W/YPC STAMPED "SPERO LS 2309" - SN 11999
1015	204079.33	4320770.98	1207+04.27	30.00 RT	04-17-2006	FND 5/8" IRON ROD W/YPC STAMPED "SPERO LS 2309" - SN 11999
1016	204180.80	4320706.83	1208+24.32	30.07 RT	04-17-2006	FND 5/8" IRON ROD W/YPC STAMPED "KAUBLE PLS 1822" - SN 11312
1017	204271.44	4320649.44	1050+55.21	30.06 RT	04-17-2006	FND 5/8" IRON ROD W/YPC STAMPED "WIT. COR. PLS 1822" - SN 11367
1018	204436.03	4320545.51	1052+49.86	30.26 RT	04-17-2006	FND 5/8" IRON ROD W/YPC STAMPED "KAUBLE PLS 1822" - SN 11367
1019	204485.10	4320514.27	1053+08.04	30.11 RT	04-17-2006	FND 5/8" IRON ROD W/YPC STAMPED "KAUBLE PLS 1822" - SN 11367
1020	204851.80	4320275.83	1057+43.45	32.01 RT	04-17-2006	FND 5/8" IRON ROD W/RPC STAMPED "WIT. COR. RLS 759" - SN 8041
1021	204957.26	4320194.62	1058+75.35	30.97 RT	04-17-2006	FND 5/8" IRON ROD W/YPC STAMPED "E.L. SWAIN RLS 759" - SN 7603
1022	205028.94	4320136.97	1059+66.52	31.30 RT	04-17-2006	FND 5/8" IRON ROD W/YPC (BLEACHED) STAMPED "E.L. SWAIN RLS 759" - SN 7603



REGISTERED PROFESSIONAL LAND SURVEYOR

ANDREW D. AUSLAND
 OREGON JULY 15, 2003
 58136

RENEWAL DATE: DEC. 31, 2007
 SIGNED: 2/12/06

JOHN PARIANI
 APPROVED BY: GROUP MANAGER TITLE

OBEC CONSULTING ENGINEERS
 1335 POPLAR DRIVE
 MEDFORD, OREGON 97504
 TEL. (541) 774-5590 FAX. (541) 774-5591

HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT MAP
JACKSON ROAD - N. LAUREL STREET, ASHLAND SECTION
FOR THE CITY OF ASHLAND JACKSON COUNTY

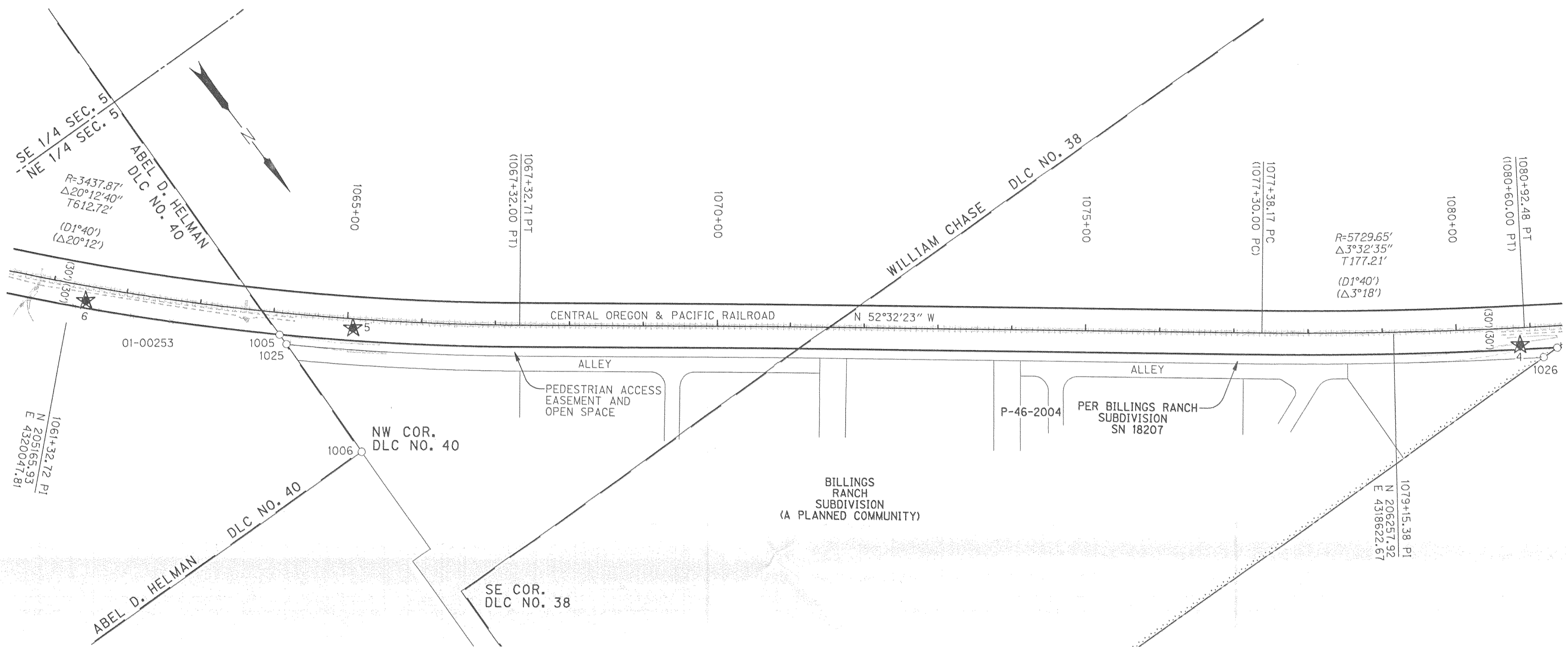
AUGUST 2006
 ODOT KEY NO. 13262

SCALE 1" = 100'

DESIGNED: A. AUSLAND
 PROJ. NO. 019-76.6
 SHT. 3 OF 5

DRAWN: R. ODEAR
 CHK'D: JOHN PARIANI
 FILE NO. 169755

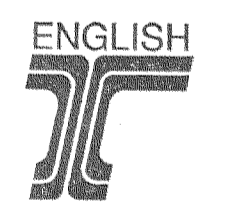
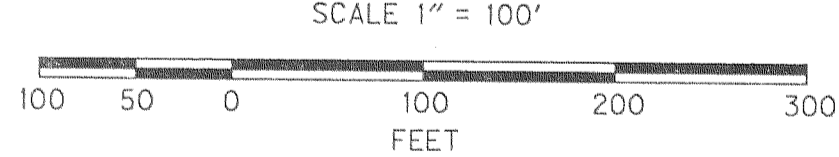
NE 1/4 SEC 5 T39S R1E WM



LEGEND

- FOUND MONUMENT
- ★ SET GPS POINT
- () RECORD DATA PER R.R. R/W ROLL MAPS V.15/8 & V.16/1
- RESOLVED RIGHT OF WAY
- PROPERTY LINE
- CITY LIMITS

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JACKSON COUNTY SURVEYOR



REGISTERED PROFESSIONAL LAND SURVEYOR

OREGON
 JULY 15, 2003
ANDREW D. AUSLAND
 56136

RENEWAL DATE: DEC. 31, 2007
 SIGNED: 09107106

JOHN PARIANI *John Pariani* OBEC
 APPROVED BY: GROUP MANAGER TITLE

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HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT MAP
JACKSON ROAD - N. LAUREL STREET, ASHLAND SECTION
FOR THE CITY OF ASHLAND
JACKSON COUNTY

AUGUST 2006 ODOT KEY NO. 13262 SCALE 1" = 100'

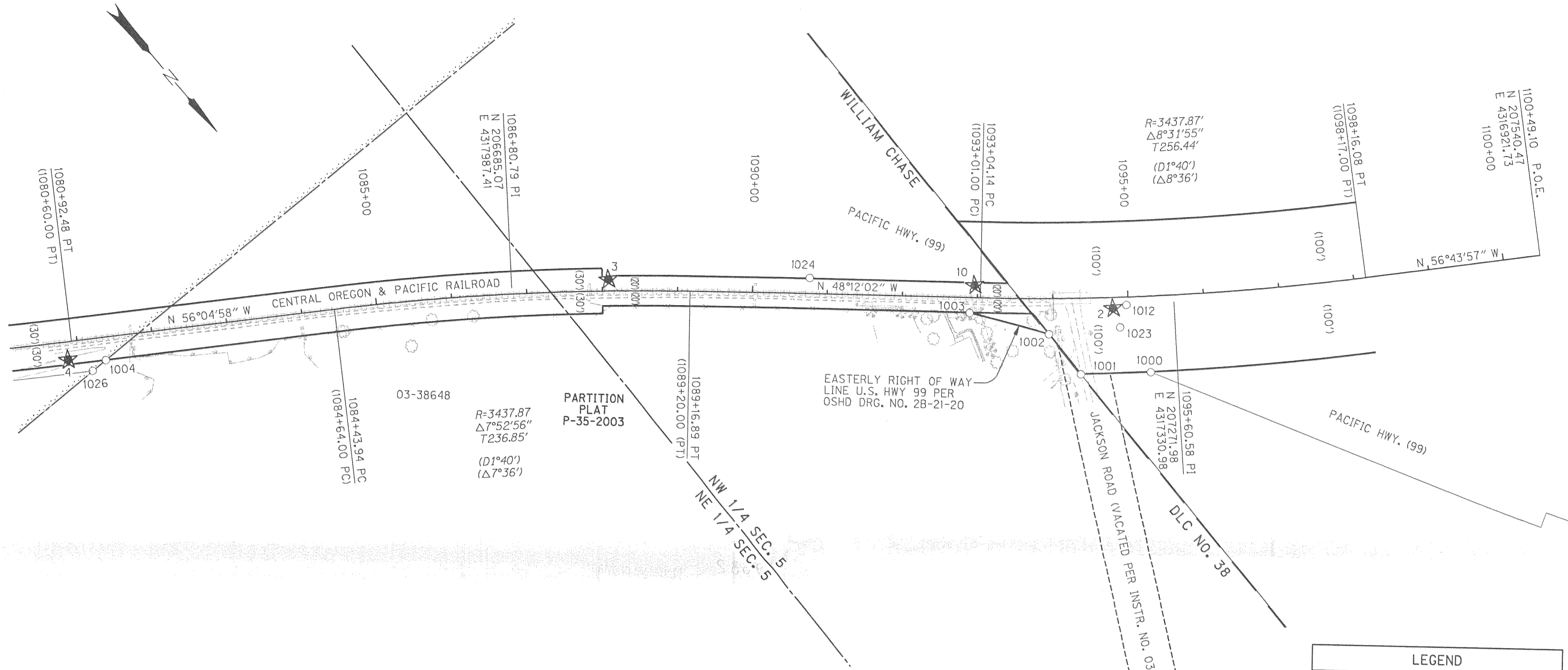
DESIGNED: A. AUSLAND PROJ. NO. 019-76.6 SH. 4 OF 5
 DRAWN: R. ODEAR CHK'D: JOHN PARIANI FILE NO. 16976S

FND = FOUND
 SN = COUNTY SURVEY
 RPC = RED PLASTIC CAP

RECOVERED MONUMENT LIST

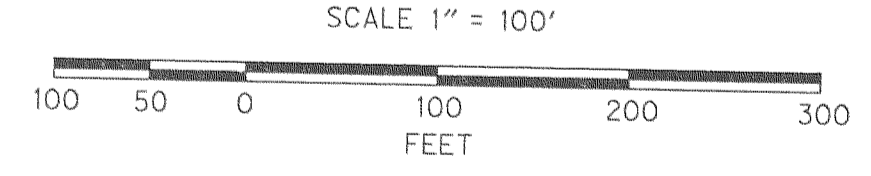
PT. ID.	LDP NORTHING	LDP EASTING	STATION	OFFSET	DATE	DESCRIPTION & REFERENCE DOCUMENTS
1005	205353.12	4319827.64	1064+10.92	29.85 RT	04-10-2006	FND 5/8" IRON ROD W/RPC "D. HUCK LS 2023" - BILLINGS RANCH SUB. - SN 18207
1006	205544.63	4319832.97	1065+31.06	176.14 RT	04-10-2006	FND 2" BRONZE DLC CAP "JACKSON CO. SURVEYOR T39SR1E NW DLC 40 2004"
1025	205369.00	4319827.89	1064+21.41	41.68 RT	04-27-2006	FND 5/8" IRON ROD W/RPC "D. HUCK LS 2023" - BILLINGS RANCH SUB. - SN 18207
1026	206404.62	4318478.95	1081+16.40	41.54 RT	04-27-2006	FND 5/8" IRON ROD "D. HUCK LS 2023" - BILLINGS RANCH SUBDIVISION - SN 18207

NE 1/4 SEC 5 T39S R1E WM
 NW 1/4 SEC 5 T39S R1E WM

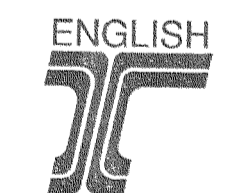


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- FOUND MONUMENT
- ★ SET GPS POINT
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- RESOLVED RIGHT OF WAY
- PROPERTY LINE
- CITY LIMITS



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OREGON JULY 15, 2003
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JOHN PARIANI *John Pariani* OBEC
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HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT MAP
 JACKSON ROAD - N. LAUREL STREET, ASHLAND SECTION
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 JACKSON COUNTY

AUGUST 2006
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 DRAWN: R. ODEAR
 CHK'D: JOHN PARIANI
 FILE NO. 16977S

RECOVERED MONUMENT LIST

FND = FOUND
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 OPC = ORANGE PLASTIC CAP

PT. ID.	LDP NORTHING	LDP EASTING	STATION	OFFSET	DATE	DESCRIPTION & REFERENCE DOCUMENTS
1000	207322.21	4317414.17	1095+25.75	100.24 RT	04-11-2006	FND 5/8" IRON ROD W/OPC "C NEATHAMER LS 56545" - SN 17770
1001	207264.06	4317486.31	1094+35.71	100.22 RT	04-11-2006	FND 5/8" IRON ROD W/OPC "C NEATHAMER LS 56545" - SN 17770
1002	207196.58	4317484.44	1093+94.70	47.29 RT	04-11-2006	FND 5/8" IRON ROD W/OPC "C NEATHAMER LS 56545" - SN 17770
1003	207106.46	4317546.28	1092+89.76	20.11 RT	04-10-2006	FND 5/8" IRON ROD W/OPC "C NEATHAMER LS 56545" - SN 17770
1004	206405.48	4318456.78	1081+35.27	29.89 RT	04-10-2006	FND 5/8" IRON ROD W/OPC "C NEATHAMER LS 56545" - SN 17770
1012	207234.16	4317380.71	1094+97.82	10.42 RT	04-10-2006	FND 5/8" IRON ROD W/OPC "C NEATHAMER LS 56545" - SN 17770
1023	207251.25	4317406.50	1094+88.42	39.88 RT	N/A	FND 5"X5"X48" VERTICAL RAILROAD TRACK PAINTED "R.R. PROPERTY LINE"
1024	206933.72	4317677.88	1090+76.52	20.95 LT	N/A	FND 5"X5"X42" VERTICAL RAILROAD TRACK PAINTED "CEBA STUMM 1902 X AND R.R. PROPERTY LINE"