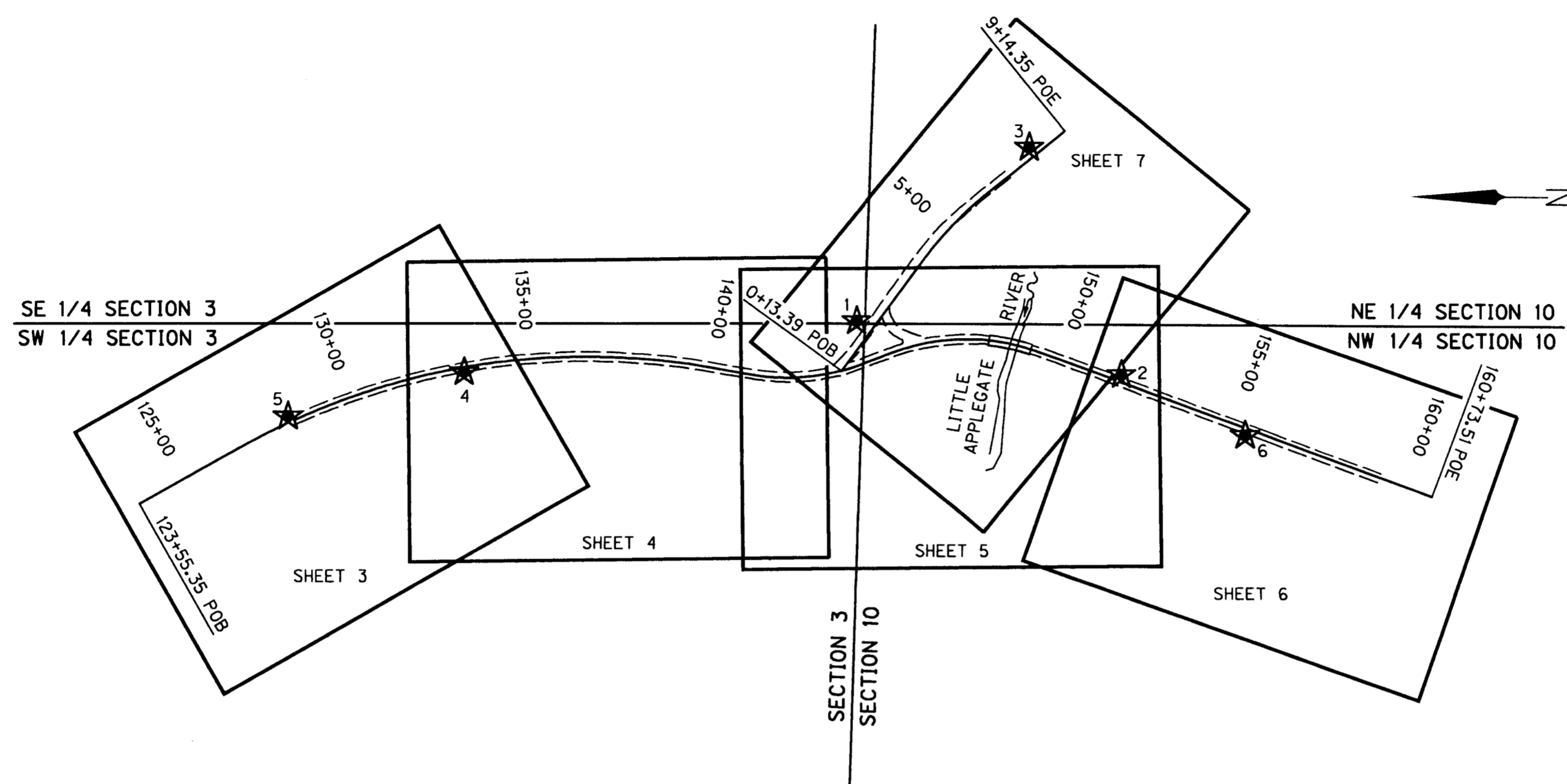


N.W. 1/4 & N.E. 1/4, SEC. 10, T.39 S., R.3 W., W.M.
 S.W. 1/4 & S.E. 1/4, SEC. 3, T.39 S., R.3 W., W.M.

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 7 sheet(s) Map
 2 page(s) 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 UPPER APPLGATE ROAD AND LITTLE APPLGATE ROAD IN THE VICINITY OF BRIDGE NO. 07988 CROSSING THE LITTLE APPLGATE RIVER FOR THE FUTURE REPLACEMENT OF SAID BRIDGE. THIS SURVEY IS ALSO TO PERPETUATE ANY EXISTING SURVEY MONUMENTS THAT LIE NEAR THE FUTURE REPLACEMENT OF SAID BRIDGE AND ROAD RE-ALIGNMENT. PERPETUATION OF THE MONUMENT LOCATIONS WAS ACCOMPLISHED BY TIEING THE MONUMENTS TO THE PROJECT CONTROL NETWORK. THIS SURVEY WAS MADE AT THE REQUEST OF JACKSON COUNTY ROADS, PARKS, AND PLANNING SERVICES. THIS SURVEY MEETS THE REQUIREMENTS FOR A RECOVERY SURVEY AS OUTLINED IN THE OREGON REVISED STATUTES, CHAPTER 209.155.

THIS SURVEY WAS PERFORMED IN INTERNATIONAL FEET UNITS. 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, NAD83(CORS 96) EPOCH 2002. TO CONVERT THE LDP COORDINATES TO THE OREGON STATE PLANE COORDINATE SYSTEM - SOUTH ZONE, NAD 83(CORS 96) EPOCH 2002, MULTIPLY THE COORDINATE VALUES BY A COMBINED FACTOR OF 0.99996974.

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 JACKSON COUNTY AND OBEC CONSULTING ENGINEERS IN SUPPORT OF FUTURE PROJECTS. IT IS NOT THE INTENT OF JACKSON COUNTY OR OBEC CONSULTING ENGINEERS TO PERPETUATE THESE CONTROL POINTS AS MONUMENTS.

THIS SURVEY WAS PERFORMED IN DECEMBER OF 2004. THE SURVEY EQUIPMENT CONSISTED OF TWO TRIMBLE 4700 GPS RECEIVERS, A TRIMBLE 4400 GPS RECEIVER, TWO TSC1 DATA COLLECTORS, A TRIMBLE 5603 ROBOTIC TOTAL STATION, AND A NIKON DTM 520 TOTAL STATION.

UPPER APPLGATE ROAD

THE RIGHT OF WAY FOR UPPER APPLGATE ROAD WAS RETRACED BY HOLDING THE CENTERLINE ALIGNMENT AND 60 FOOT RIGHT OF WAY WIDTH SHOWN ON RECORDED SURVEY NO. 5944, AND DESCRIBED IN INSTRUMENT NO. 76-18140, OFFICIAL RECORDS OF JACKSON COUNTY. WHEN RECREATING THE RECORD SHAPE OF THE ALIGNMENT, THE TANGENT BEARINGS WERE ADJUSTED TO ACHIEVE A BEST-FIT OF THE FOUND MONUMENTS SET AND RECORDED ON SURVEY 5944. THE RECORD DEGREE OF CURVE DATA WAS USED TO RECREATE THE CURVES WITHIN THE ALIGNMENT. THE RESULTING ALIGNMENT FIT WELL WITH RIGHT OF WAY MONUMENTS AS SHOWN IN THE STATION OFFSET REPORT IN THE RECOVERED MONUMENT LIST.

LITTLE APPLGATE ROAD

THIS RESOLUTION COVERS A PORTION OF LITTLE APPLGATE ROAD FROM THE INTERSECTION OF UPPER APPLGATE ROAD AND LITTLE APPLGATE ROAD, SOUTHEAST APPROXIMATELY 900 FEET ALONG THE ALIGNMENT. THE RIGHT OF WAY FOR LITTLE APPLGATE ROAD WAS RETRACED BY HOLDING THE CENTERLINE ALIGNMENT AND 60 FOOT RIGHT OF WAY WIDTH AS DESCRIBED IN INSTRUMENT NO. 70-05888, OFFICIAL RECORDS OF JACKSON COUNTY. THE RECORD SHAPE OF THE ALIGNMENT WAS BEST-FIT TO THE MONUMENTS FOUND ALONG THE RIGHT OF WAY OF LITTLE APPLGATE ROAD. A MAP OF LITTLE APPLGATE ROAD WAS FOUND AT THE JACKSON COUNTY ROADS, PARKS AND PLANNING SERVICES WHICH WAS DRAFTED IN MAY 1970 BY THE OFFICE OF THE COUNTY ENGINEER SHOWING THE ALIGNMENT OF LITTLE APPLGATE ROAD AS DESCRIBED IN INSTRUMENT NO. 70-05888. SUBSEQUENT SURVEYS FILED ALONG LITTLE APPLGATE ROAD FIT WELL WITH THE RIGHT OF WAY DESCRIBED IN SAID INSTRUMENT NO. 70-05888 AS SHOWN IN THE STATION OFFSET REPORT IN THE RECOVERED MONUMENT LIST.

REFERENCES

- C.S. 5944
- C.S. 7283
- C.S. 13018
- C.S. 10085
- C.S. 8968
- C.S. 3076
- C.S. 6156
- C.S. 4867
- C.S. 14664
- C.S. 13345
- INSTR. NO. 76-18140
- INSTR. NO. 70-05888



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 LAND SURVEYOR

Bret Elithorp
 OREGON
 JAN. 14, 2003
 BRET N. ELITHORP
 63148

RENEWAL DATE: DEC. 31, 2005
 SIGNED: 2/23/05

LEGEND
 ★ SET GPS POINT

I:\PROJECTS\019\019076\01907601\Survey\Final\01907601\ret.dgn 2/24/2005

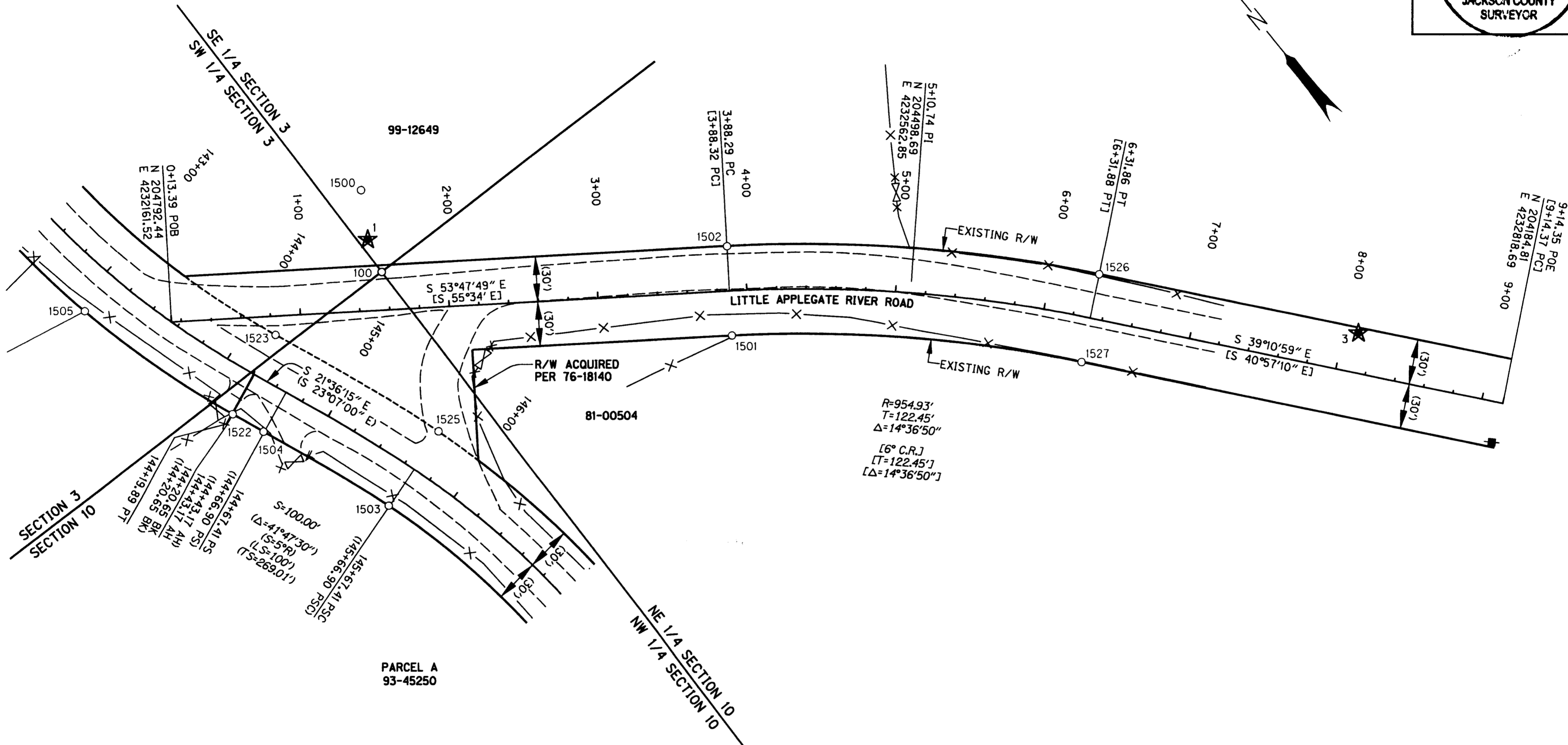
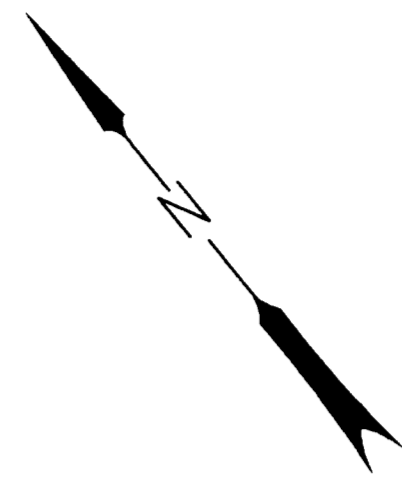
OBEC CONSULTING ENGINEERS 1335 POPLAR DRIVE
 MEDFORD, OREGON 97504
 TEL. (541) 774-5590 FAX. (541) 774-5591

HORIZONTAL CONTROL, RECOVERY
 AND RETRACEMENT MAP
LITTLE APPLGATE RIVER BRIDGE #07988
 FOR JACKSON COUNTY
 ROADS, PARKS AND PLANNING SERVICES
 FEBRUARY 2005
 ODOT KEY NO. 13013
 JACKSON COUNTY, OREGON

RANDY FITCH <i>Randy Fitch</i> OBEC	DESIGNED: B. ELITHORP	PROJ. NO. 019-76.1	SHT. 1 OF 7
APPROVED BY: GROUP MANAGER TITLE	DRAWN: R. ODEAR	CHK'D: RANDY FITCH	FILE NO. 14377S

N.W. 1/4 & N.E. 1/4, SEC. 10, T.39 S., R.3 W., W.M.
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 JACKSON COUNTY
 SURVEYOR



R=954.93'
 T=122.45'
 Δ=14°36'50"
 [6° C.R.]
 [T=122.45']
 [Δ=14°36'50"]

SCALE 1" = 50'



LEGEND	
() RECORD PER CS 5944	— RIGHT-OF-WAY
○ FOUND MONUMENT	— PROPERTY LINE
■ POWER POLE	- - - EDGE PAVEMENT
★ SET GPS POINT	-X- FENCE



REGISTERED
 PROFESSIONAL
 LAND SURVEYOR

Bret Elithorp
 BRET N. ELITHORP
 6348
 RENEWAL DATE: DEC. 31, 2005
 SIGNED: 2/24/05

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 JACKSON COUNTY, OREGON
 DESIGNED: B. ELITHORP
 PROJ. NO. 019-76.1 SHT. 7 OF 7
 DRAWN: R. ODEAR
 CHK'D: RANDY FITCH
 FILE NO. 14383S

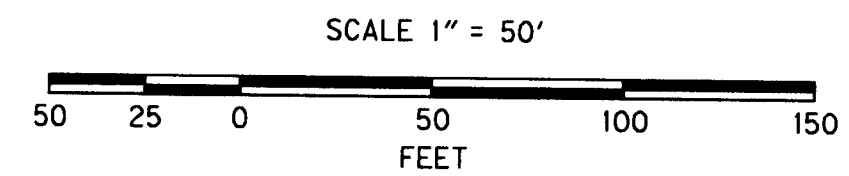
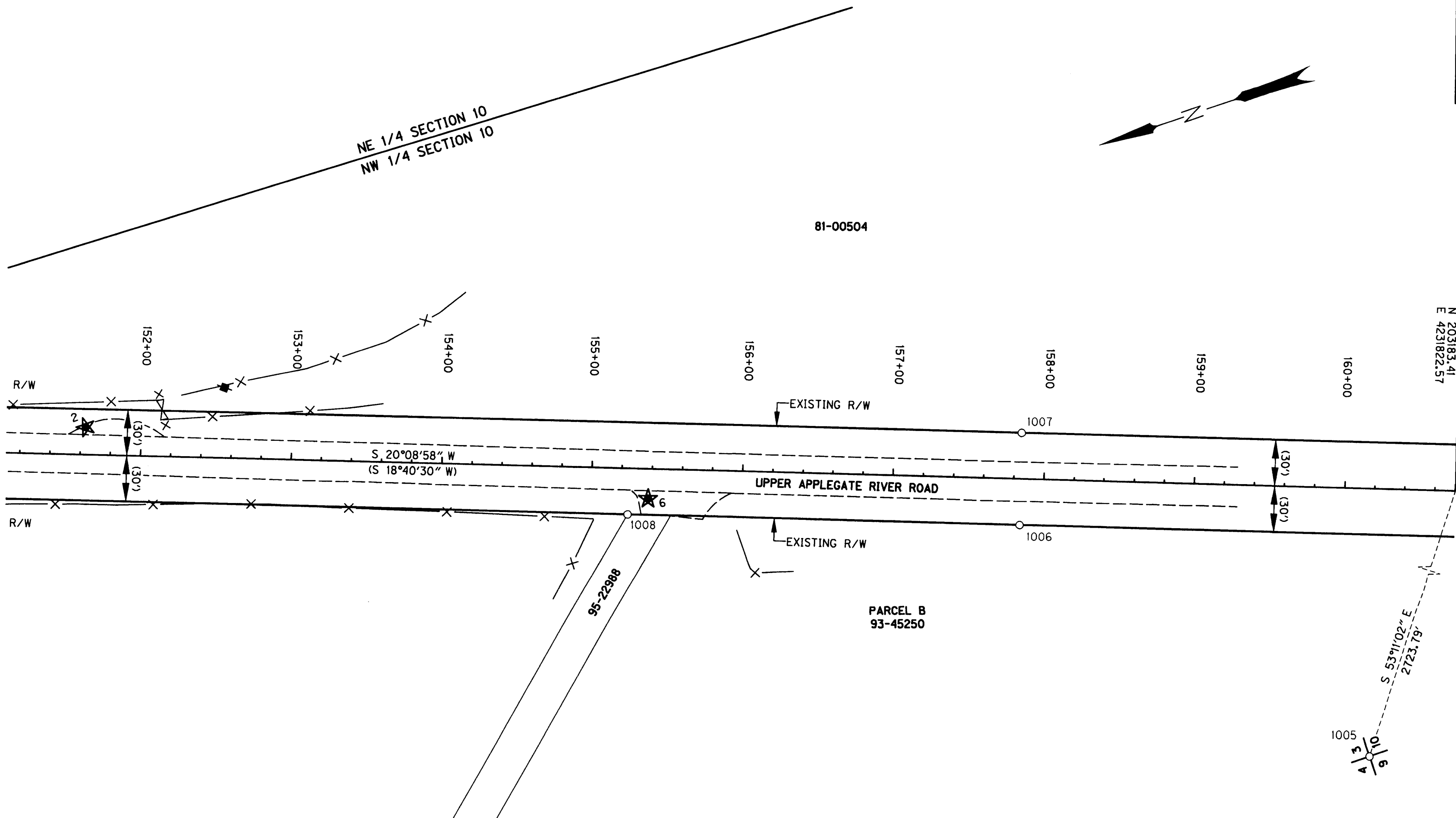
RECOVERED MONUMENT LIST CS = COUNTY SURVEY

PT. ID.	LDP NORTHING	LDP EASTING	STATION	OFFSET	DATE	DESCRIPTION & REFERENCE DOCUMENTS
1500	204779.82	4232315.70	"LA"1+45.26	80.88' LT	11/11/2004	FND 1 1/2" IRON PIPE, CS 7283 - 12" DOWN
1501	204546.88	4232446.35	"LA"3+88.27	29.92' RT	11/11/2004	FND 5/8" IRON ROD, CS 7283 - 3 1/2" DOWN
1502	204595.14	4232481.73	"LA"3+88.31	29.92' LT	11/11/2004	FND 5/8" IRON ROD, CS 7283 - 2 1/2" DOWN
1523	204741.40	4232210.01	"LA"0+82.67	12.55' RT	11/24/2004	FND 5/8" IRON ROD, CS 5944 - 2 1/2" DOWN, BENT
1526	204422.67	4232663.45	"LA"6+31.89	29.95' LT	11/30/2004	FND 5/8" IRON ROD, CS 7283 - FLUSH
1527	204384.80	4232617.03	"LA"6+31.92	29.95' RT	11/30/2004	FND 5/8" IRON ROD, CS 7283 - FLUSH

RANDY FITCH
 APPROVED BY: GROUP MANAGER TITLE

N.W. 1/4, SEC. 10, T.39 S., R.3 W., W.M.

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 JACKSON COUNTY
 SURVEYOR



LEGEND

() RECORD PER CS 5944	— RIGHT-OF-WAY
○ FOUND MONUMENT	— PROPERTY LINE
■ POWER POLE	- - - EDGE PAVEMENT
★ SET GPS POINT	-X- FENCE

ENGLISH

 REGISTERED
 PROFESSIONAL
 LAND SURVEYOR
Bret Elithorp
 OREGON
 JAN. 14, 2003
 BRET N. ELITHORP
 63148
 RENEWAL DATE: DEC. 31, 2005
 SIGNED: 2/24/05

RECOVERED MONUMENT LIST CS = COUNTY SURVEY

PT. ID.	LDP NORTHING	LDP EASTING	STATION	OFFSET	DATE	DESCRIPTION & REFERENCE DOCUMENTS
1006	203464.99	4231893.94	157+84.57	29.99' RT	11/09/2004	FND 5/8" IRON ROD, CS 5944 - FLUSH
1007	203444.39	4231950.28	157+84.50	29.99' LT	11/09/2004	FND 5/8" IRON ROD, CS 5944 - 1" ABOVE
1008	203709.31	4231983.62	155+24.31	29.96' RT	11/10/2004	FND 5/8" IRON ROD, CS 6156 - FLUSH

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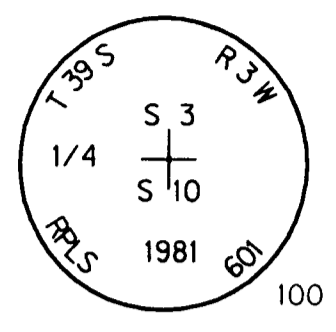
HORIZONTAL CONTROL, RECOVERY
 AND RETRACEMENT MAP
LITTLE APPLGATE RIVER BRIDGE #07988
 FOR JACKSON COUNTY
 ROADS, PARKS AND PLANNING SERVICES
 FEBRUARY 2005
 ODOT KEY NO. 13013
 JACKSON COUNTY, OREGON

DESIGNED: B. ELITHORP
 PROJ. NO. 019-76.1 SHT. 6 OF 7
 DRAWN: R. ODEAR
 CHK'D: RANDY FITCH
 FILE NO. 14382S

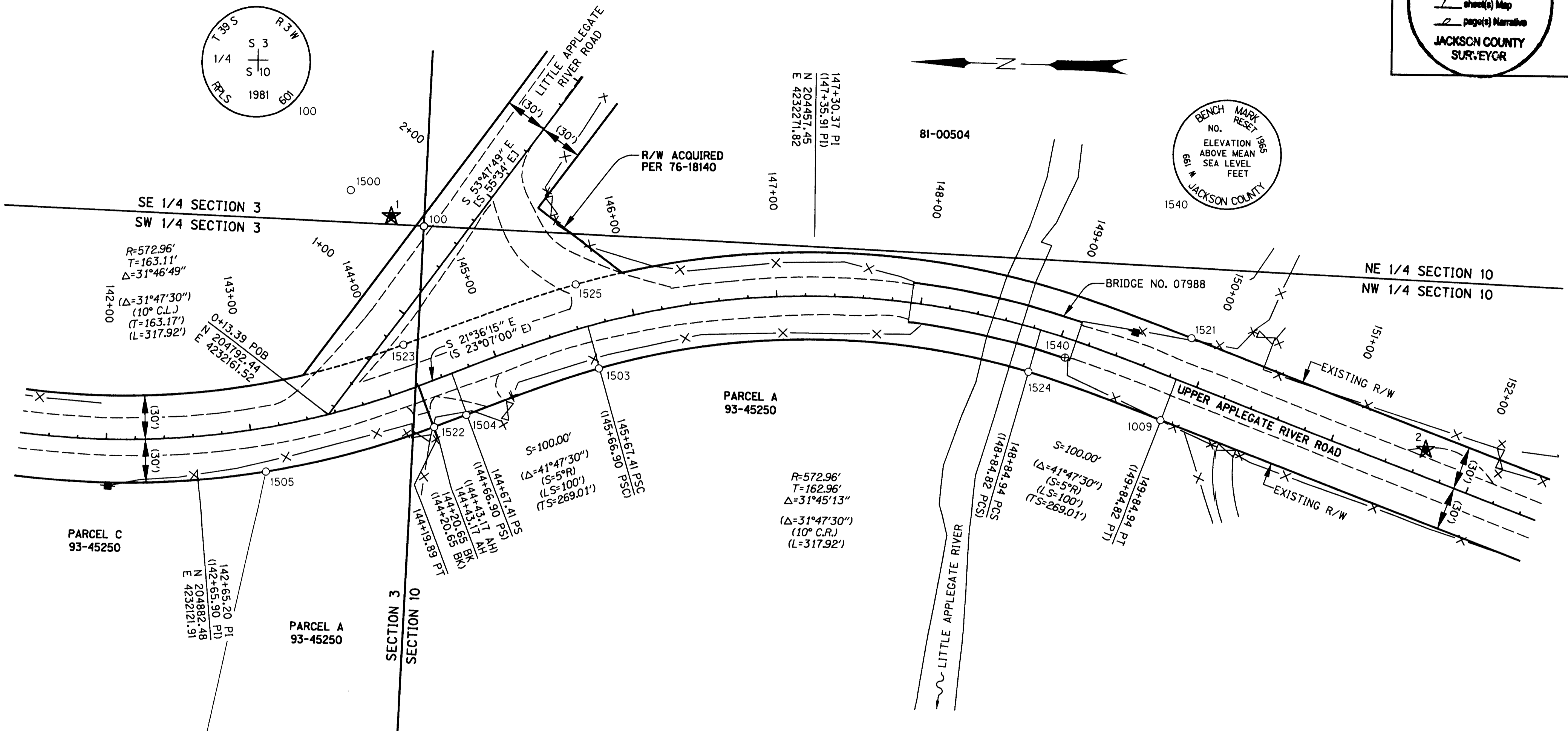
RANDY FITCH *Randy Fitch*
 APPROVED BY: GROUP MANAGER TITLE

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JACKSON COUNTY
SURVEYOR



BENCH MARK
NO. 681
ELEVATION ABOVE MEAN SEA LEVEL FEET
JACKSON COUNTY



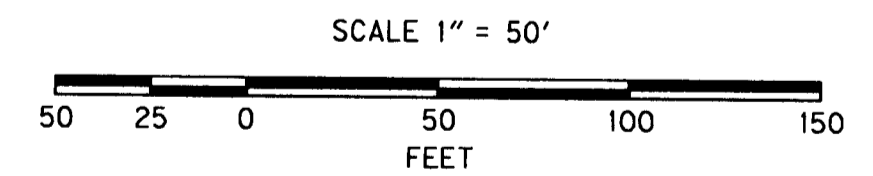
LEGEND

() RECORD PER CS 5944	★ SET GPS POINT
[] RECORD PER INSTR. NO. 76-18140	— RIGHT-OF-WAY
○ FOUND MONUMENT	— PROPERTY LINE
⊕ FOUND BENCH MARK	--- EDGE PAVEMENT
■ POWER POLE	-X- FENCE

RPC = RED PLASTIC CAP
CS = COUNTY SURVEY
J.C.R.R. = JACKSON COUNTY REESTABLISHMENT RECORDS

RECOVERED MONUMENT LIST

PT. ID.	LDP NORTHING	LDP EASTING	STATION	OFFSET	DATE	DESCRIPTION & REFERENCE DOCUMENTS
100	204728.80	4232291.75	"LA"1+56.07	25.56 LT	11/04/2004	FND 2 1/2" BRASS DISK, 1/4 CORNER SECTION 3 & 10, PER J.C.R.R.
1009	204215.97	4232169.47	149.84.64	30.02' RT	11/10/2004	FND 5/8" IRON ROD, CS 5944 - FLUSH
1500	204779.82	4232315.70	144+46.11	142.38' LT	11/11/2004	FND 1 1/2" IRON PIPE, CS 7283 - 12" DOWN
1503	204605.53	4232196.44	145+66.90	29.93' RT	11/11/2004	FND 5/8" IRON ROD, CS 5944 - 10" DOWN
1504	204696.99	4232163.10	144+66.93	30.00' RT	11/11/2004	FND 5/8" IRON ROD, CS 5944 - 3" DOWN
1505	204834.84	4232121.38	143+06.04	29.90' RT	11/11/2004	FND 5/8" IRON ROD, CS 6156 - 3" DOWN
1521	204195.30	4232225.82	149+84.63	30.01' LT	11/12/2004	FND 5/8" IRON ROD, CS 5944 - FLUSH
1522	204719.06	4232154.36	144+43.19	30.00' RT	11/24/2004	FND 5/8" IRON ROD, CS 5944 - 2" DOWN
1523	204741.40	4232210.01	144+20.39	29.97' LT	11/24/2004	FND 5/8" IRON ROD, CS 5944 - 2" DOWN
1524	204308.10	4232200.44	148+84.79	29.87' RT	11/30/2004	FND 5/8" IRON ROD, CS 5944 - 6" DOWN
1525	204622.72	4232253.93	145+66.91	30.08' LT	11/30/2004	FND 5/8" IRON ROD, CS 5944 - 2" DOWN
1540	204282.81	4232210.65	149+06.99	13.02' RT	02/11/2005	FND 2 1/2" BRASS DISK, BM* W199, COMM. PANEL NO. 4155890484C, REV. 08/27/91



REGISTERED PROFESSIONAL LAND SURVEYOR

Bret Elithorp
OREGON
JAN. 14, 2003
BRET N. ELITHORP
63148

RENEWAL DATE: DEC. 31, 2005
SIGNED: 2/24/05

RANDY FITCH *Randy Fitch* OBEC
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
LITTLE APPELEGATE RIVER BRIDGE #07988
FOR JACKSON COUNTY
ROADS, PARKS AND PLANNING SERVICES

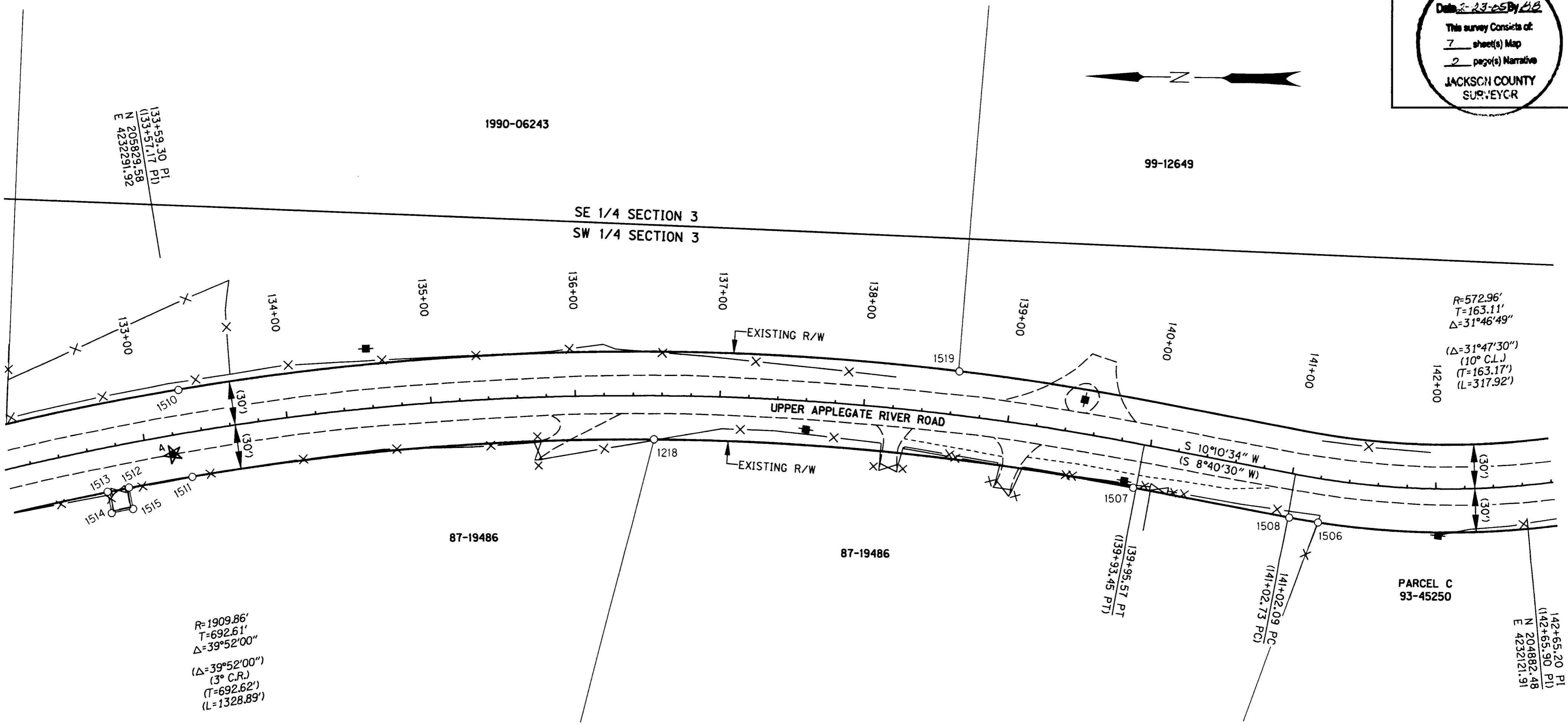
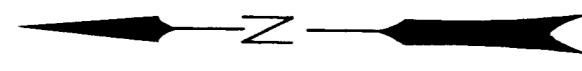
ODOT KEY NO. 13013 FEBRUARY 2005
JACKSON COUNTY, OREGON

DESIGNED: B. ELITHORP
DRAWN: R. ODEAR
CHK'D: RANDY FITCH
FILE NO. 14381S

PROJ. NO. 019-76.1
SHT. 5 OF 7

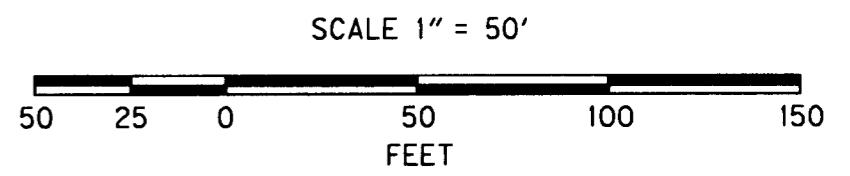
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 JACKSON COUNTY
 SURVEYOR



R=1909.86'
 T=692.61'
 $\Delta=39^\circ52'00''$
 (3° C.R.)
 (T=692.62')
 (L=1328.89')

R=572.96'
 T=163.11'
 $\Delta=31^\circ46'49''$
 (10° C.L.)
 (T=163.17')
 (L=317.92')

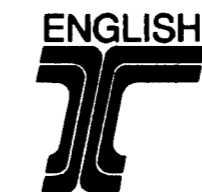


LEGEND	
() RECORD PER CS 5944	— RIGHT-OF-WAY
○ FOUND MONUMENT	— PROPERTY LINE
■ POWER POLE	- - - EDGE PAVEMENT
★ SET GPS POINT	-X- FENCE

RPC = RED PLASTIC CAP
 YPC = YELLOW PLASTIC CAP
 CS = COUNTY SURVEY

RECOVERED MONUMENT LIST

PT. ID.	LDP NORTHING	LDP EASTING	STATION	OFFSET	DATE	DESCRIPTION & REFERENCE DOCUMENTS
1218	205487.10	4232169.81	136+54.52	29.78' RT	11/12/2004	FND 5/8" IRON ROD W/RPC, CS 13018 - 1" ABOVE
1506	205027.41	4232117.93	141+22.20	29.90' RT	11/11/2004	FND 5/8" IRON ROD W/YPC, CS 10085 - FLUSH
1507	205155.23	4232140.39	139+93.44	30.00' RT	11/11/2004	FND 5/8" IRON ROD, CS 5944 - FLUSH
1508	205047.43	4232121.04	141+02.95	30.00' RT	11/11/2004	FND 5/8" IRON ROD, CS 5944 - 2" ABOVE
1519	205276.12	4232218.24	138+62.70	29.96' LT	11/19/2004	FND 5/8" IRON ROD, CS 14664 - FLUSH



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 BRET N. ELTHORP
 63148

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RANDY FITCH
 APPROVED BY: GROUP MANAGER TITLE

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HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT MAP
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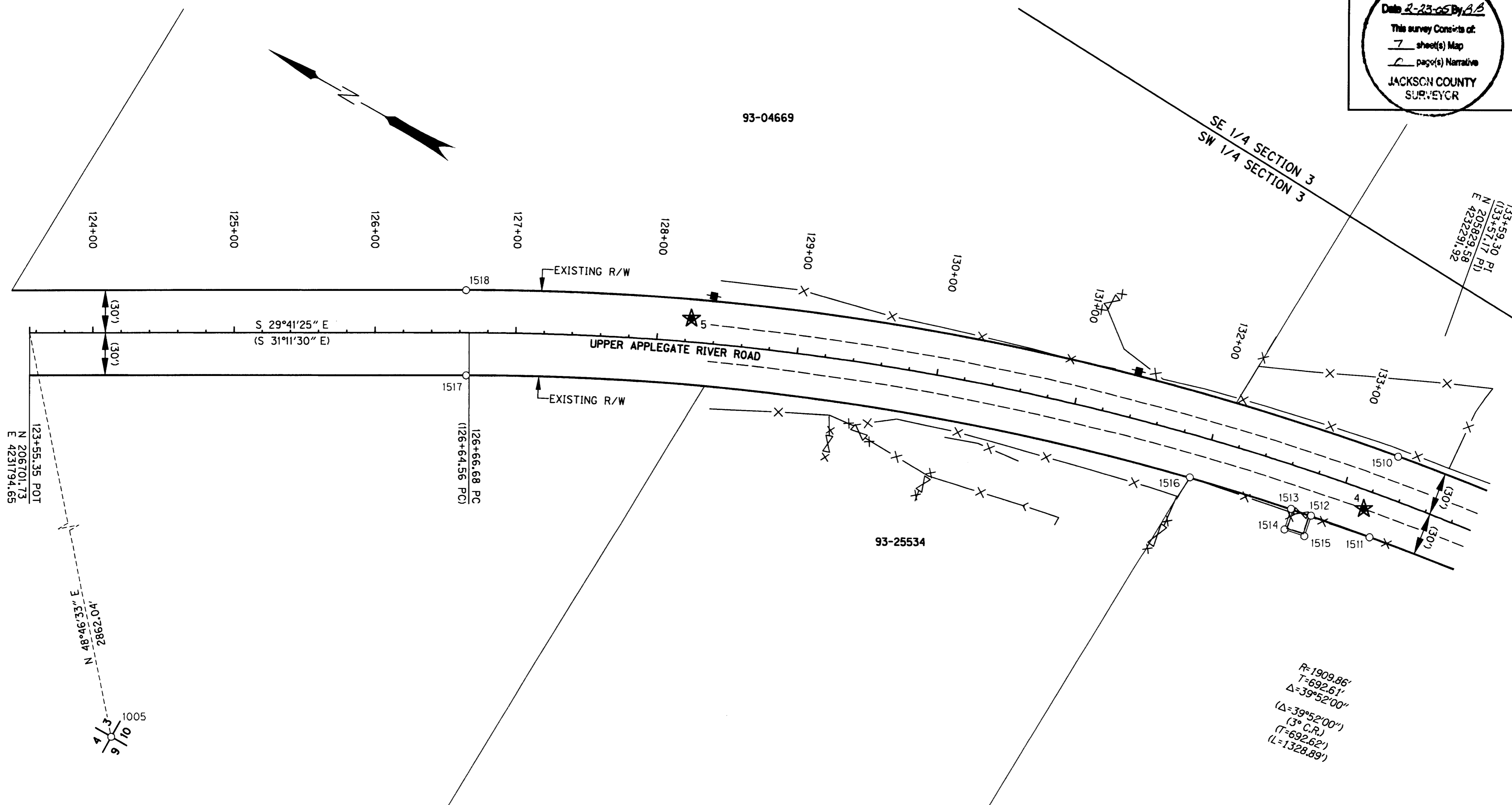
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DRAWN: R. ODEAR
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 SURVEYOR



LEGEND

() RECORD PER CS 5944	——— RIGHT-OF-WAY
○ FOUND MONUMENT	——— PROPERTY LINE
■ POWER POLE	- - - - EDGE PAVEMENT
★ SET GPS POINT	- X - FENCE

RECOVERED MONUMENT LIST
 RPC = RED PLASTIC CAP
 CS = COUNTY SURVEY

PT. ID.	LDP NORTHING	LDP EASTING	STATION	OFFSET	DATE	DESCRIPTION & REFERENCE DOCUMENTS
1510	205816.33	4232201.00	133+28.81	29.87' LT	11/12/2004	FND 5/8" IRON ROD, CS 5944 - 1" ABOVE
1511	205806.11	4232141.96	133+28.81	30.05' RT	11/12/2004	FND 5/8" IRON ROD, CS 5944 - FLUSH
1512	205849.72	4232134.40	132+83.85	29.54' RT	11/12/2004	FND 5/8" IRON ROD W/RPC, CS 13345 - 14" DOWN
1513	205864.44	4232131.43	132+68.60	29.54' RT	11/12/2004	FND 5/8" IRON ROD W/RPC, CS 13345 - 14" DOWN
1514	205861.42	4232116.70	132+68.58	44.58' RT	11/12/2004	FND 5/8" IRON ROD W/RPC, CS 13345 - 1" ABOVE
1515	205846.71	4232119.66	132+83.95	44.58' RT	11/12/2004	FND 5/8" IRON ROD W/RPC, CS 13345 - 1" ABOVE
1516	205937.62	4232114.85	131+92.38	29.53' RT	11/12/2004	FND 5/8" IRON ROD, CS 3076 & CS 3429 - FLUSH
1517	206418.23	4231921.81	126+64.61	29.95' RT	11/12/2004	FND 5/8" IRON ROD, CS 5944 - FLUSH
1518	206447.99	4231973.80	126+64.51	29.95' LT	11/12/2004	FND 3/4" IRON ROD, CS 4867 - 1" ABOVE

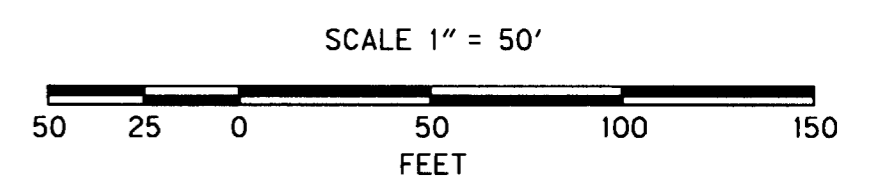


REGISTERED
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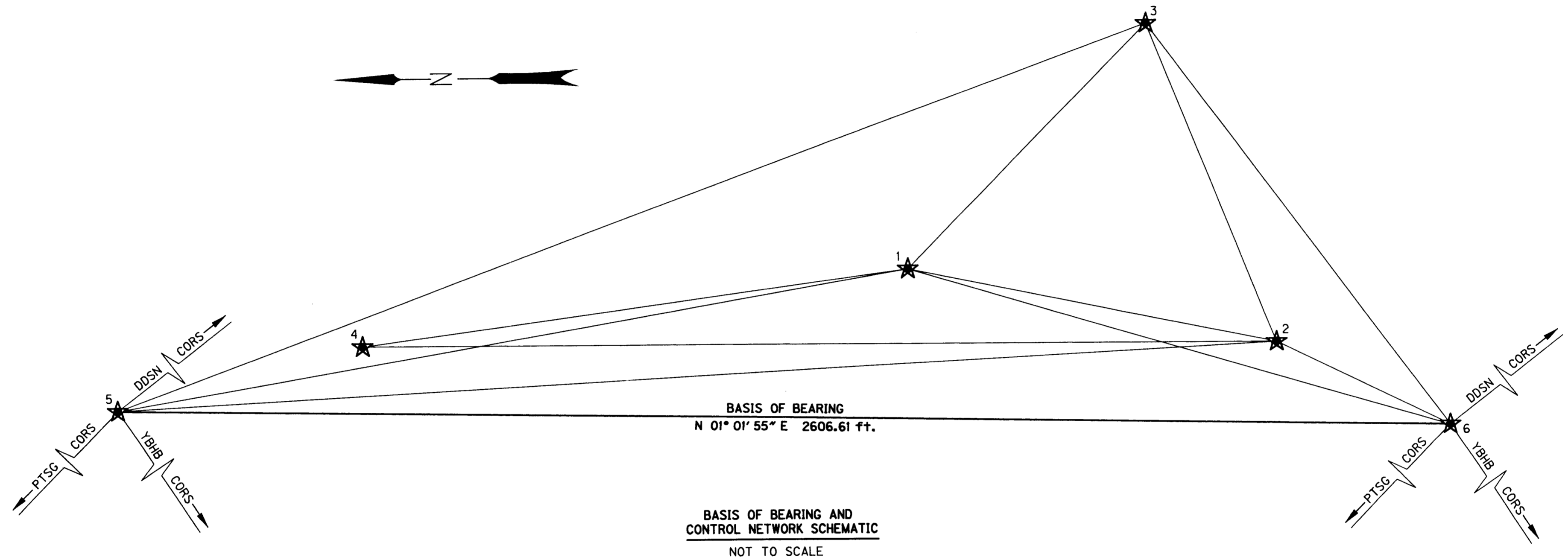
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DESIGNED: B. ELITHORP
 PROJ. NO. 019-76.1
 SHT. 3 OF 7

DRAWN: R. ODEAR
 CHK'D: RANDY FITCH
 FILE NO. 14379S

N.W. 1/4 & N.E. 1/4, SEC. 10, T.39 S., R.3 W., W.M.
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 JACKSON COUNTY
 SURVEYOR



BASIS OF BEARING
 N 01° 01' 55" E 2606.61 ft.

BASIS OF BEARING AND
 CONTROL NETWORK SCHEMATIC
 NOT TO SCALE

1.96 SIGMA (95%) CONFIDENCE LEVEL LIMITS

POINT NO.	SEMI MAJOR	SEMI MINOR	ORIENTATION*
1	0.03 ift.	0.02 ift.	351°20'59"
2	0.03 ift.	0.02 ift.	344°47'24"
3	0.03 ift.	0.03 ift.	343°41'11"
4	0.04 ift.	0.02 ift.	341°02'36"

* NORTH AZIMUTH
 FIXED POINTS NOT SUBJECT TO LEAST SQUARES
 ADJUSTMENT OR CONFIDENCE LEVEL ANALYSIS: 5, 6

CONTROL NARRATIVE

PROJECT: LITTLE APPLAGATE RIVER BRIDGE #07988
 LOCATION: UPPER APPLAGATE ROAD, JACKSON COUNTY
 OBEC PROJECT: 019-76.1
 SURVEY DATUM: LOCAL DATUM PLANE (LDP)
 HORIZONTAL - LDP DERIVED FROM OREGON SOUTH STATE PLANE,
 NAD 83(CORS96) EPOCH 2002 INTERNATIONAL FEET UNITS

LEGEND	
★	SET GPS NETWORK POINT
★-★	LINES OF OBSERVATION



REGISTERED
 PROFESSIONAL
 LAND SURVEYOR

Bret Elithorp
 OREGON
 JAN. 14, 2003
 BRET N. ELITHORP
 63148

RENEWAL DATE: DEC. 31, 2005
 SIGNED: 2/24/05

RANDY FITCH *Randy Fitch* OBEC
 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
LITTLE APPLAGATE RIVER BRIDGE #07988
 FOR JACKSON COUNTY
 ROADS, PARKS AND PLANNING SERVICES
 FEBRUARY 2005

ODOT KEY NO. 13013
 JACKSON COUNTY, OREGON

DESIGNED: B. ELITHORP	PROJ. NO. 019-76.1	SHT. 2 OF 7
DRAWN: R. ODEAR	CHK'D: RANDY FITCH	FILE NO. 14378S

NETWORK POINT COORDINATE TABLE RPC = RED PLASTIC CAP

PT. ID.	LDP NORTHING	LDP EASTING	DESCRIPTION
1	204751.57	4232298.37	SET 5/8" IRON ROD W/RPC "OBEC CONTROL"
2	204031.69	4232153.06	SET 5/8" IRON ROD W/RPC "OBEC CONTROL"
3	204282.32	4232773.28	SET 5/8" IRON ROD W/RPC "OBEC CONTROL"
4	205819.58	4232157.15	SET 5/8" IRON ROD W/RPC "OBEC CONTROL"
5	206299.29	4232035.84	SET 5/8" IRON ROD W/RPC "OBEC CONTROL"
6	203693.10	4231988.89	SET MAG NAIL & WASHER "OBEC CONTROL"