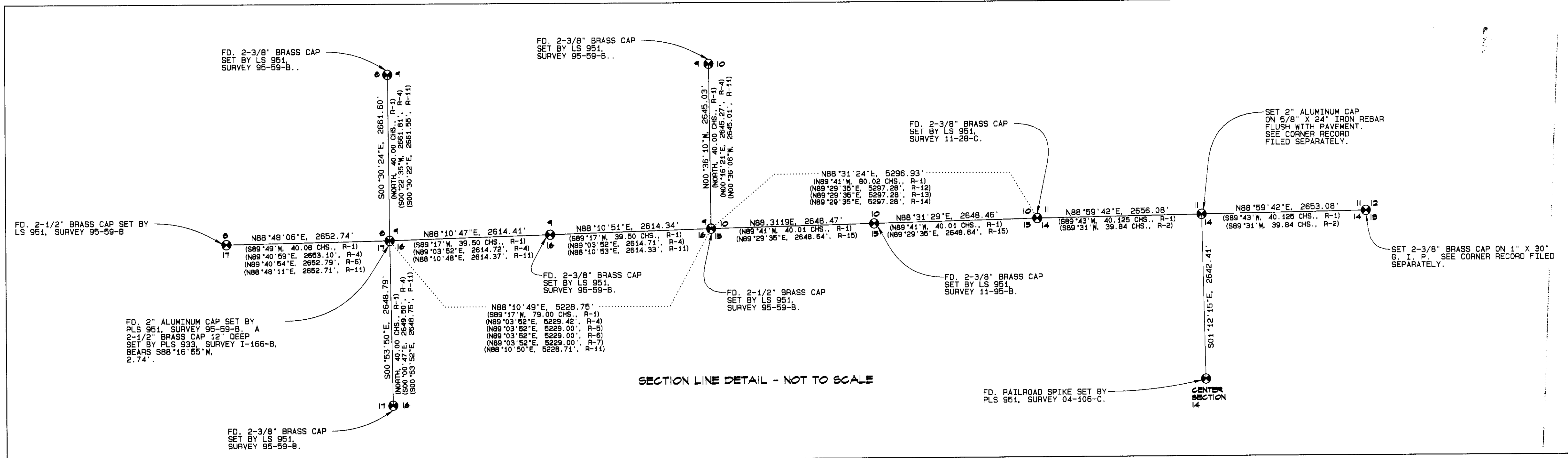


INDEX

- SHEET 1 - STATION 0+00.00 THROUGH STATION 52+67.46
- SHEET 2 - STATION 52+67.46 THROUGH STATION 92+33.26
- SHEET 3 - STATION 92+33.26 THROUGH STATION 131+78.61
- SHEET 4 - STATION 131+78.61 THROUGH STATION 177+13.85
- SHEET 5 - STATION 177+13.85 THROUGH STATION 184+87.93;
LEGEND; DETAILS



SECTION LINE DETAIL - NOT TO SCALE

DESCRIPTION OF MONUMENTS FOUND

- A - A 2-1/2" BRASS CAP WITNESS CORNER SET BY PLS 951, SURVEY R-4, BEARS N78°53'57"W, 0.86' FROM STATION 52+67.46, 30.00' RT. NO NEW R/W MONUMENT SET.
- B - A 1" IRON REBAR SET BY PLS 951, SURVEY R-4, BEARS N06°24'27"W, 4.46' FROM STATION 52+67.46, CENTERLINE.
- C - A 5/8" IRON REBAR WITH YELLOW PLASTIC CAP MARKED "EDWARDS...951" SET BY PLS 951, SURVEY R-14, STATION 79+22.81, 22.00' LT.
- D - A 5/8" IRON REBAR WITH YELLOW PLASTIC CAP MARKED "EDWARDS...951" SET BY PLS 951, SURVEY R-14, STATION 81+61.63, 22.27' LT.
- E - A 5/8" IRON REBAR WITH YELLOW PLASTIC CAP MARKED "EDWARDS...951" SET BY PLS 951, SURVEY R-13, STATION 100+12.11, 30.00' LT.
- F - A 5/8" IRON REBAR WITH YELLOW PLASTIC CAP MARKED "EDWARDS...951" SET BY PLS 951, SURVEY R-15, BEARS N19°25'03"E, 9.72' FROM STATION 105+30.26, 30.00' RT.
- G - A 5/8" IRON REBAR WITH YELLOW PLASTIC CAP MARKED "EDWARDS...951" SET BY PLS 951, SURVEY R-14, STATION 126+41.73, 29.93' LT.
- H - A 5/8" IRON REBAR WITH YELLOW PLASTIC CAP MARKED "EDWARDS...951" SET BY PLS 951, SURVEY R-13, STATION 129+11.75, 29.93' LT.
- I - A 5/8" IRON REBAR WITH YELLOW PLASTIC CAP MARKED "EDWARDS...951" SET BY PLS 951, SURVEY R-13, BEARS S77°25'30"E, 0.13' FROM STATION 131+78.61, 30.00' RT. NO NEW R/W MONUMENT SET.

SURVEY RECORDS

- R-1 G.L.O. SURVEY BY TIMOTHY DAVENPORT, CONTRACT #101, 1861
- R-2 PRIVATE SURVEY BY JOHN KIMBRELL FOR INLAND IRRIGATION, SURVEY #233, OLD PRIVATE SURVEYS BOOK 2, PAGE 16, DECEMBER, 1905.
- R-3 SURVEY NO. I-166-B BY PLS 933 FOR PAT WALCHLI, DATED 1974.
- R-4 SURVEY 95-59-B BY PLS 951 FOR UMATILLA COUNTY
- R-5 SURVEY 95-102-C BY PLS 2627 FOR UMATILLA COUNTY
- R-6 SURVEY 96-183-C BY PLS 2627 FOR UMATILLA COUNTY
- R-7 SURVEY 96-202-C BY PLS 2627 FOR UMATILLA COUNTY
- R-8 GPS SURVEY 01-213-G BY PLS 951 FOR UMATILLA COUNTY
- R-9 GPS SURVEY 02-48-G BY PLS 951 FOR UMATILLA COUNTY
- R-10 GPS SURVEY 02-49-G BY PLS 48509 FOR UMATILLA COUNTY
- R-11 GPS SURVEY 03-52-G BY PLS 48509 FOR UMATILLA COUNTY
- R-12 SURVEY 04-106-C BY PLS 951 FOR LATHAM AND VAN DEBRAKE
- R-13 SURVEY 11-28-C BY PLS 951 FOR H. T. BURNS, INC.
- R-14 PARTITION PLAT 2011-07 (SURVEY 11-46-B) BY PLS 951 FOR H. T. BURNS, INC.
- R-15 SURVEY 11-95-B BY PLS 951 FOR H. T. BURNS, INC.

ROAD RECORDS

- PLAT AND FIELD NOTES OF ROAD NO. 596 (SOUTH EDWARDS ROAD) BY JOHN KIMBRELL, COUNTY SURVEYOR, DATED 1906
- PLAT AND FIELD NOTES OF ROAD NO. 610 (EAST HIGHLAND EXTENSION) BY JOHN KIMBRELL, COUNTY SURVEYOR, DATED 1907
- PLAT AND FIELD NOTES OF ROAD NO. 679 (EAST HIGHLAND EXTENSION AND KOSMOS ROAD) BY JOHN KIMBRELL, COUNTY SURVEYOR, DATED 1910
- PLAT AND FIELD NOTES OF ROAD NO. 680 (LATHAM ROAD) BY JOHN KIMBRELL, COUNTY SURVEYOR, DATED 1910
- ORDER ACCEPTING A DONATION OF RIGHT-OF-WAY AND ESTABLISHING COUNTY ROAD NO. 1198, EAST HIGHLAND EXTENSION, ORDER NO. RD97-04, SIGNED FEBRUARY 12, 1997
- ORDER LEGALIZING TWO PORTIONS OF EAST HIGHLAND EXTENSION, COUNTY ROAD NO. 1198, ORDER NO. RD97-04, SIGNED FEBRUARY 19, 1997

DEED RECORDS

- BARGAIN AND SALE DEED, WINDBLOWN RANCH TO UMATILLA COUNTY FOR ROAD RIGHT-OF-WAY, REEL 307, PAGE 0578
- BARGAIN AND SALE DEED, WINDBLOWN RANCH TO UMATILLA COUNTY FOR ROAD RIGHT-OF-WAY, REEL 307, PAGE 0582
- BARGAIN AND SALE DEED, JOHN AND MARJORIE WALCHLI TO UMATILLA COUNTY FOR ROAD RIGHT-OF-WAY, REEL 284, PAGE 1353
- TEMPORARY ACCESS EASEMENT, WINDBLOWN RANCH TO H. T. BURNS, INC., APPURTENANT TO PARCELS 1 AND 3, PARTITION PLAT NO. 2011-07, RECORDED AS DOCUMENT NO. 2011-5760426

BEARINGS AND DISTANCES BETWEEN EDWARDS' MONUMENTS (SURVEYS R-13, R-14, AND R-15)

LINE	BEARING	DISTANCE	RECORD BEARING	RECORD DISTANCE	SURVEY NO.
Ⓐ TO Ⓑ	N89°32'01"E	239.99'	N89°29'35"E	240.00'	R-14
S.W. COR. SEC. 10 TO Ⓒ	N88°28'23"E	39.97'	N89°29'35"E	40.00'	R-14
S.W. COR. SEC. 10 TO Ⓓ	N88°31'20"E	2130.43'	N89°29'35"E	2130.61'	R-13, R-14
Ⓒ TO S.E. COR. SEC. 10	N88°31'26"E	3166.50'	N89°29'35"E	3166.67'	R-13, R-14
Ⓓ TO S.E. COR. SEC. 10	N88°31'23"E	5016.98'	N89°29'35"E	5017.28'	R-14
S.W. COR. SEC. 10 TO Ⓔ	N88°31'26"E	4659.94'	N89°29'35"E	4660.27'	R-14
Ⓔ TO Ⓕ	N88°31'26"E	370.02'	N89°29'35"E	370.01'	R-14, R-15
Ⓕ TO S.E. COR. SEC. 10	N88°30'35"E	266.97'	N89°29'35"E	267.00'	R-13, R-14, R-15
S 1/4 COR. SEC. 10 TO Ⓖ	N88°31'36"E	2011.47'	N89°29'35"E	2011.63'	R-15
Ⓖ TO S 1/4 COR. SEC. 10	N88°31'18"E	2348.61'	N89°29'35"E	2348.64'	R-15

RECORD STATION	MEASURED STATION	RECORD DISTANCE	MEASURED DISTANCE	RECORD BEARING	MEASURED BEARING	RECORD DEFLECTION ANGLE	MEASURED DEFLECTION ANGLE
0+00.00	0+00.00	719.60'	719.44'	N89°50'07"W	S89°16'22"W	00°04'28"	00°04'08"
7+19.60	7+19.44	613.75'	613.74'	N89°45'39"W	S89°20'30"W	01°35'27"	01°35'24"
13+33.35	13+33.18	662.01'	662.01'	S88°38'54"W	S87°45'06"W	00°22'26"	00°21'37"
19+95.36	19+95.17	672.83'	672.82'	S89°10'31"W	S88°16'43"W	00°09'28"	00°09'28"
26+69.19	26+67.99	782.38'	782.36'	S89°32'57"W	S88°39'09"W	00°08'57"	00°08'50"
34+50.57	34+50.36	715.06'	715.05'	S89°42'25"W	S88°48'37"W	00°03'22"	00°03'22"
41+65.63	41+65.40	714.07'	714.03'	S89°33'28"W	S88°39'47"W	00°01'33"	00°01'33"
48+79.70	48+79.43	873.72'	873.67'	S89°38'23"W	S88°44'42"W	00°00'39"	00°00'39"
57+28.20	57+27.88	627.25'	627.21'	S89°39'02"W	S88°45'21"W	00°02'50"	00°02'48"
66+01.92	66+01.55	668.09'	668.05'	S89°41'52"W	S88°48'09"W	03°07'55"	03°06'36"
72+29.17	72+28.77	78.22'	78.22'	S86°33'57"W	S85°41'33"W	01°55'30"	01°55'30"
78+97.26	78+96.82	679.62'	679.59'	S88°29'27"W	S87°37'30"W	00°17'23"	00°17'23"
86+55.10	86+54.63	638.52'	638.49'	S88°46'50"W	S87°54'26"W	00°06'02"	00°06'02"
92+93.62	92+93.12	666.56'	666.53'	S88°40'48"W	S87°48'24"W	00°16'58"	00°16'58"
99+60.18	99+59.65	651.03'	651.00'	S88°57'46"W	S88°05'22"W	00°26'13"	00°26'13"
106+11.21	106+10.65	668.72'	668.69'	S88°31'33"W	S87°39'09"W	01°28'02"	01°28'02"
111+79.93	111+79.34	995.25'	995.20'	S89°59'35"W	S89°07'11"W	00°05'27"	00°05'29"
121+75.18	121+74.54	1003.28'	1003.23'	S89°54'08"W	S89°01'42"W	00°00'03"	00°00'25"
131+78.46	131+77.78	898.24'	898.23'	S89°54'05"W	S89°01'17"W	00°03'52"	00°03'53"
140+76.70	140+76.01	856.26'	856.25'	S89°57'57"W	S89°05'10"W	00°07'05"	00°07'05"
149+32.96	149+32.27	902.73'	902.72'	N89°54'58"W	S89°12'15"W		
158+35.70	158+34.99						

NOTE: RECORD DATA SHOWN IS FROM RIGHT-OF-WAY SURVEYS 95-102-C, 96-183-C, AND 96-202-C I DID FOR THE ROAD DEPARTMENT. THE MONUMENTS I HELD TO RE-ESTABLISH THE DEEDED AND LEGALIZED RIGHT-OF-WAY WERE THE BRASS CAP AT RECORD STATION 158+35.70 (1/4 CORNER COMMON TO SECTIONS 8 AND 17), THE CENTERLINE MONUMENT AT RECORD STATION 149+32.96, THE RAILROAD SPIKE IN THE INTERSECTION OF EAST HIGHLAND EXTENSION AND SOUTH EDWARDS ROAD AT RECORD STATION 131+78.46, THE CENTERLINE MONUMENT AT RECORD STATION 78+97.26, THE CENTERLINE MONUMENT AT RECORD STATION 72+29.17, THE CENTERLINE MONUMENT AT RECORD STATION 41+65.63, AND THE RAILROAD SPIKE IN THE INTERSECTION OF EAST HIGHLAND EXTENSION AND NORTH LOOP ROAD AT RECORD STATION 0+00.00. THE ALIGNMENT WAS ROTATED AND SCALED BETWEEN EACH OF THESE POINTS TO THE MEASURED (GRID) BEARINGS AND DISTANCES SHOWN. THE EXISTING STATIONING RUNS EAST TO WEST; THE NEW STATIONING RUNS WEST TO EAST.

FOR NARRATIVE, LEGEND, AND DETAILS, SEE SHEET 5

NAD '83 ('91) STATE PLANE COORDINATES

OREGON NORTH ZONE 3601 - INTERNATIONAL FEET				
CORNER DESCRIPTION	NORTHING	EASTING	RECORD NORTHING (SURVEY R-1)	RECORD EASTING (SURVEY R-1)
J-7 (SOUTH 1/4 CORNER SECTION 8)	793,107.96	8,529,520.30	793,108.05	8,529,520.38
J-9 (SOUTHEAST CORNER SECTION 8)	793,163.44	8,532,172.46	793,163.48	8,532,172.50
J-11 (SOUTH 1/4 CORNER SECTION 9)	793,246.49	8,534,785.56	793,246.51	8,534,785.56
J-13 (SOUTHEAST CORNER SECTION 9)	793,329.48	8,537,398.58	793,329.48	8,537,398.58
J-15 (SOUTH 1/4 CORNER SECTION 10)	793,397.80	8,540,046.17	N/A	N/A
J-17 (SOUTHEAST CORNER SECTION 10)	793,465.99	8,542,693.75	N/A	N/A
J-19 (SOUTH 1/4 CORNER SECTION 11)	793,512.57	8,545,349.43	N/A	N/A
J-21 (SOUTHEAST CORNER SECTION 11)	793,569.11	8,548,002.09	N/A	N/A
G-9 (EAST 1/4 CORNER SECTION 8)	795,824.93	8,532,148.92	795,824.92	8,532,148.99
L-9 (EAST 1/4 CORNER SECTION 17)	790,514.97	8,532,213.94	790,515.06	8,532,214.01
G-13 (EAST 1/4 CORNER SECTION 9)	795,974.37	8,537,370.75	795,974.35	8,537,370.81
L-19 (CENTER OF SECTION 14)	790,870.75	8,545,404.95	N/A	N/A

RECORD STATION	MEASURED STATION	DISTANCE AND BEARING FROM CALCULATED POINT OR SET MONUMENT TO FOUND MONUMENT	DESCRIPTION OF FOUND MONUMENT
0+00.00, CL	0+00.00, CL	0.00	RAILROAD SPIKE
7+19.60, 30' RT	7+19.44, 30' RT	N89°28'28"W, 0.62'	5/8" IRON REBAR - BADLY BENT - NO CAP
13+33.35, 30' LT	13+33.18, 30' LT	N88°15'46"E, 0.46'	5/8" IRON REBAR - BADLY BENT - NO CAP
19+95.36, 30' LT	19+95.17, 30' LT	N85°16'33"W, 0.06'	5/8" IRON REBAR WITH YELLOW PLASTIC CAP
26+69.19, 30' RT	26+67.99, 30' RT	N76°11'02"W, 0.06'	5/8" IRON REBAR - NO CAP
34+50.57, 30' LT	34+50.36, 30' LT	N45°27'39"W, 0.12'	5/8" IRON REBAR - BENT - NO CAP
41+65.63, 30' LT	41+65.40, 30' LT	N64°28'07"W, 0.09'	5/8" IRON REBAR - BENT - NO CAP
48+79.70, 30' LT	48+79.43, 30' LT	N78°38'02"W, 0.25'	5/8" IRON REBAR - BENT - NO CAP
57+28.20, 30' LT	57+27.88, 30' LT	0.00	5/8" IRON REBAR - BENT - NO CAP
66+01.92, 30' LT	66+01.55, 30' LT	N37°06'00"W, 0.10'	5/8" IRON REBAR - BENT - NO CAP
72+29.17, 30' LT	72+28.77, 30' LT	N13°35'50"E, 0.05'	5/8" IRON REBAR - BENT - NO CAP
78+97.26, 30' LT	78+96.82, 30' LT	S08°58'58"W, 0.04'	5/8" IRON REBAR - BENT - NO CAP
86+55.10, 30' LT	86+54.63, 30' LT	S48°21'20"W, 0.04'	5/8" IRON REBAR - BENT - NO CAP
92+93.62, 30' LT	92+93.12, 30' LT	S77°29'25"E, 0.16'	5/8" IRON REBAR - NO CAP
99+60.18, 30' LT	99+59.65, 30' LT	S31°36'35"E, 0.11'	5/8" IRON REBAR - BENT - NO CAP
106+11.21, 30' LT	106+10.65, 30' LT	N21°37'53"E, 0.04'	5/8" IRON REBAR - BENT - NO CAP
111+79.93, 30' LT	111+79.34, 30' LT	0.00	5/8" IRON REBAR WITH YELLOW PLASTIC CAP
121+75.18, 30' LT	121+74.54, 30' LT	N61°10'23"E, 0.03'	5/8" IRON REBAR WITH YELLOW PLASTIC CAP
131+78.46, 30' LT	131+77.78, 30' LT	N78°38'02"W, 0.25'	5/8" IRON REBAR WITH YELLOW PLASTIC CAP
140+76.70, 30' LT	140+76.01, 30' LT	N87°29'25"E, 0.16'	5/8" IRON REBAR - BENT - NO CAP
149+32.96, 30' LT	149+32.27, 30' LT	S49°10'38"E, 0.09'	5/8" IRON REBAR - BENT - NO CAP
158+35.70, 30' LT	158+34.99, 30' LT	N13°53'15"E, 0.19'	5/8" IRON REBAR - BENT - NO CAP
		N02°29'55"E, 0.10'	5/8" IRON REBAR - BENT - NO CAP
		N00°49'39"W, 0.26'	5/8" IRON REBAR - BENT - NO CAP
		N64°32'52"E, 0.10'	5/8" IRON REBAR - BENT - NO CAP
		S82°30'23"E, 0.03'	5/8" IRON REBAR WITH YELLOW PLASTIC CAP
		S84°13'51"W, 0.09'	5/8" IRON REBAR - NO CAP
		N17°58'56"E, 0.29'	5/8" IRON REBAR - BENT - NO CAP
		S84°46'38"W, 0.15'	5/8" IRON REBAR - NO CAP
		N30°47'38"W, 0.05'	5/8" IRON REBAR - BENT - NO CAP
		N70°36'24"W, 0.18'	5/8" IRON REBAR - NO CAP
		N46°04'49"W, 0.04'	5/8" IRON REBAR - BENT - NO CAP
		S07°05'31"E, 0.26'	5/8" IRON REBAR - NO CAP
		S21°10'25"E, 0.09'	5/8" IRON REBAR - BENT - NO CAP
		0.00	RAILROAD SPIKE
		N33°06'05"W, 0.09'	5/8" IRON REBAR WITH YELLOW PLASTIC CAP - BENT
		0.00	5/8" IRON REBAR WITH YELLOW PLASTIC CAP
		0.00	2-1/2" BRASS CAP

NOTE: THE MONUMENTS FOUND WERE ALL SET IN SURVEYS 95-102-C, 96-183-C, AND 96-202-C I DID FOR THE ROAD DEPARTMENT. MANY OF THEM ARE BENT AND HAVE THE CAPS MISSING. THE CAPS THAT WERE FOUND ARE MARKED "UMA, CO. RD DEPT 2627". TIES TO BENT MONUMENTS WERE TO ENTRANCE HOLE AS NEARLY AS COULD BE DETERMINED. UNDISTURBED MONUMENTS WERE USED TO DETERMINE RIGHT-OF-WAY LOCATION.

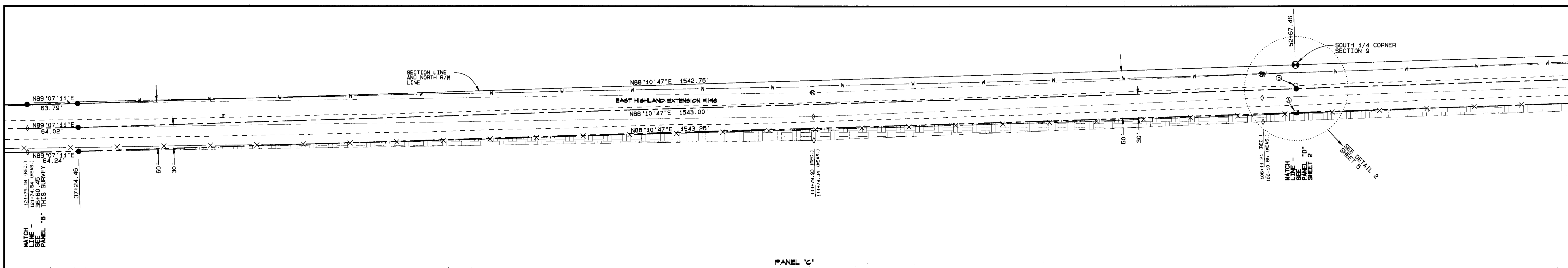
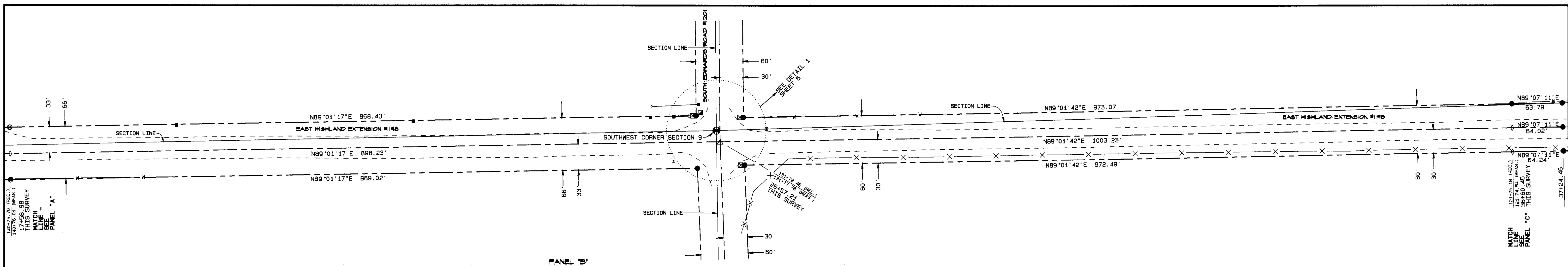
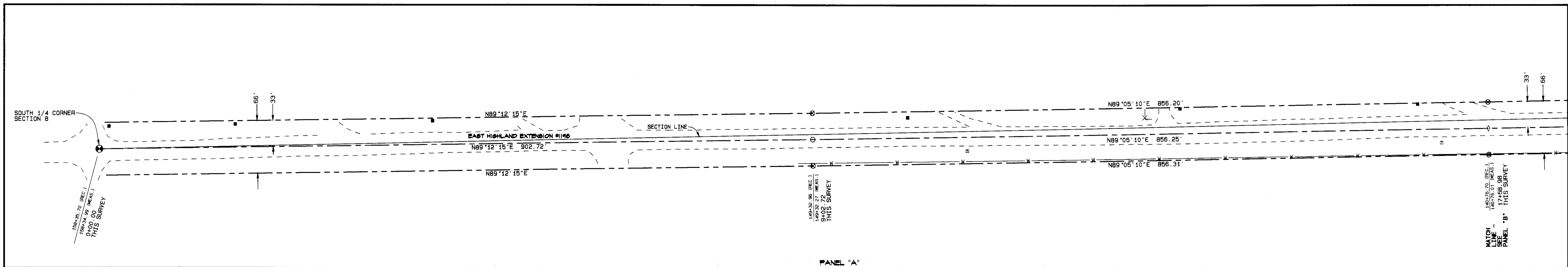
CENTERLINE STATION TIES FROM NEW ALIGNMENT (THIS SURVEY) TO EXISTING ALIGNMENT

EXISTING CENTERLINE STATION	NEW ALIGNMENT STATION AND OFFSET
0+00.00	158+34.80, 0.00
7+19.44	151+15.36, 0.00
13+33.18	145+01.63, 0.00
19+95.17	138+39.65, 2.05' RT.
26+67.99	131+66.80, 10.37' RT.
34+50.36	123+84.44, 8.62' RT.
41+65.40	118+69.40, 5.05' RT.
48+79.43	109+55.37, 3.33' RT.
57+27.88	101+06.93, 0.42' RT.
66+01.55	92+33.26, 0.00
72+28.77	86+08.04, 0.00
78+96.82	79+37.99, 0.00
86+54.63	78+59.77, 0.00
92+93.12	65+41.71, 4.68' RT.
99+59.65	58+75.19, 9.01' RT.
106+10.65	52+24.19, 10.04' RT.
111+79.34	46+55.52, 15.28' RT.
121+74.54	36+60.45, 0.00
131+77.78	26+57.21, 0.00
140+76.01	17+58.98, 0.00
149+32.27	9+02.72, 0.00
158+34.99	0+00.00, 0.00

REGISTERED PROFESSIONAL LAND SURVEYOR
GARY R. ROBERTS
RENEWS 12/31/2012

UMATILLA COUNTY ROAD DEPARTMENT
8420 WESTGATE
PENDLETON, OREGON 97001
PHONE 541/276-5424
LEGALIZATION SURVEY FOR
COUNTY ROAD NO. 1198 - EAST HIGHLAND EXTENSION
AND
COUNTY ROAD NO. 1172 - KOSMOS ROAD
LOCATED IN SECS. 8, 9, 10, 11, 14, 15, 16, & 17
TOWNSHIP 4 NORTH, RANGE 29 E.W.M.
DATE OF SURVEY: SEPTEMBER, 2011
INDEX SHEET

Date 11-11
Road By KA
11-121-e



SCALE 1"=60'

NAD '83 ('91) STATE PLANE COORDINATES - NEW CENTERLINE STATIONS

OREGON NORTH ZONE 3601 - INTERNATIONAL FEET

NEW STATION	NORTHING	EASTING
0+00.00	793,107.96	8,529,520.30
9+02.72	793,120.50	8,530,422.94
17+58.98	793,134.16	8,531,279.08
26+57.21	793,149.50	8,532,177.19
36+60.45	793,166.51	8,533,180.28
37+24.46	793,167.49	8,533,244.28
52+67.46	793,216.50	8,534,786.51

NAD '83 ('91) STATE PLANE COORDINATES - EXISTING CENTERLINE STATIONS

OREGON NORTH ZONE 3601 - INTERNATIONAL FEET

EXISTING STATION	NORTHING	EASTING
158+34.99	793,107.96	8,529,520.30
149+32.27	793,120.50	8,530,422.94
140+76.01	793,134.16	8,531,279.08
131+77.78	793,149.50	8,532,177.19
121+74.54	793,166.51	8,533,180.28
111+79.34	793,181.90	8,534,175.36
106+10.65	793,205.09	8,534,743.58

NOTES

1. LINES ANNOTATED WITH DISTANCES AND BEARINGS ARE FOR THE NEW ALIGNMENT (THIS SURVEY)
2. FOR DETAILS ON SECTION MONUMENTS FOUND AND SET, SEE INDEX SHEET
3. HATCHED AREA REPRESENTS EXISTING RIGHT-OF-WAY TO BE VACATED AND RETURNED TO PROPERTY OWNERS TO THE SOUTH OF THE NEW ALIGNMENT
4. FOR THE FOLLOWING, SEE INDEX SHEET
SECTION LINE DETAIL: SECTION MONUMENT STATE PLANE COORDINATES; CENTERLINE TIES FROM NEW ALIGNMENT TO EXISTING ALIGNMENT; TIES FROM CALCULATED POINTS (EXISTING ALIGNMENT) TO MONUMENTS FOUND (EXISTING ALIGNMENT) AND DESCRIPTION OF MONUMENTS FOUND; EXISTING ALIGNMENT RECORD AND MEASURED DATA; RECORD AND MEASURED DISTANCES AND BEARINGS BETWEEN MONUMENTS SET BY EDWARDS; DESCRIPTION OF MONUMENTS SET BY EDWARDS; SURVEY RECORDS, ROAD RECORDS, AND DEED RECORDS USED.

FOR NARRATIVE, LEGEND, AND DETAILS, SEE SHEET 5

REGISTERED PROFESSIONAL LAND SURVEYOR
 JUL 20, 1993
 GARY R. ROBERTS
 2627

RENEWS 12/31/2012

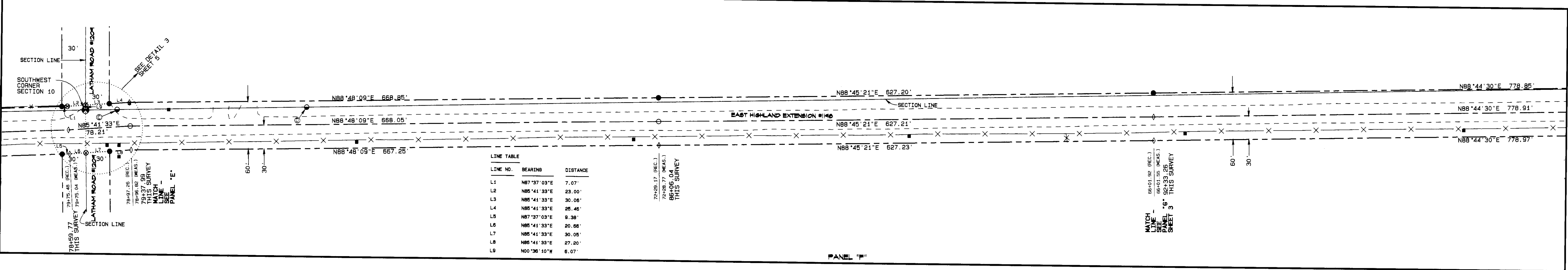
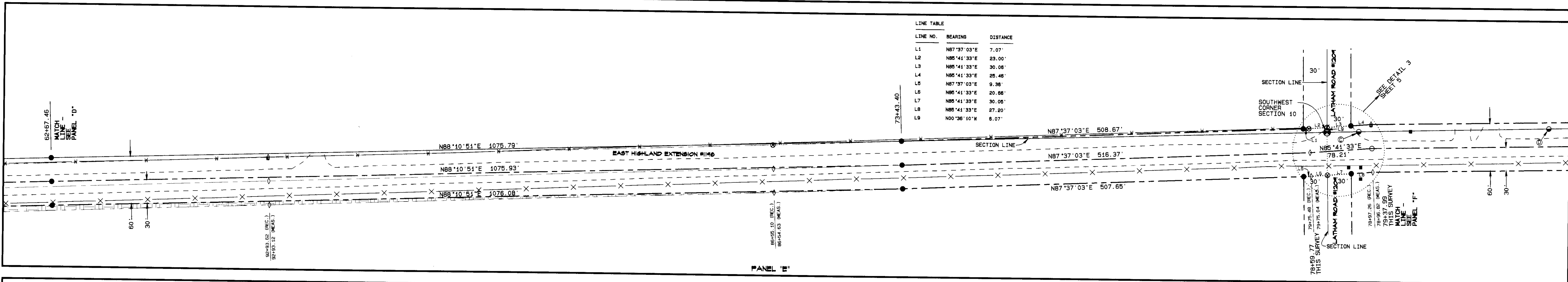
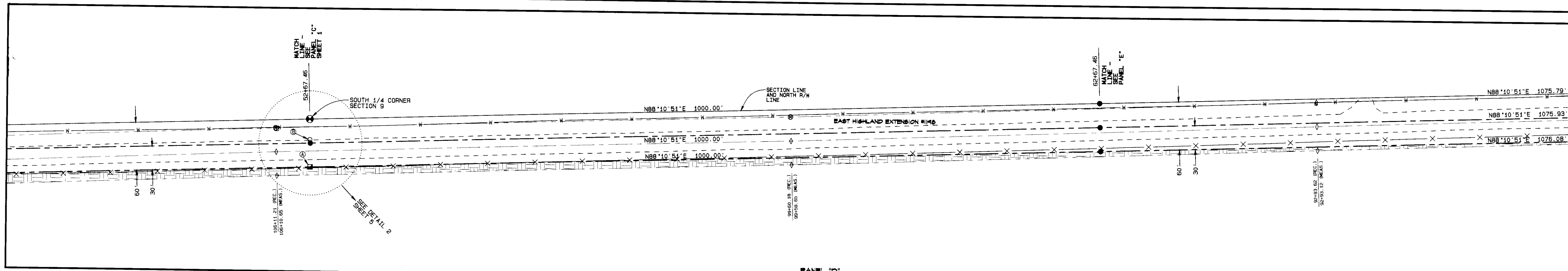
UMATILLA COUNTY ROAD DEPARTMENT
 8420 WESTGATE
 PENDLETON, OREGON 97001
 PHONE 541/270-5424

LEGALIZATION SURVEY FOR
 COUNTY ROAD NO. 1198 - EAST HIGHLAND EXTENSION
 AND
 COUNTY ROAD NO. 1172 - KOSMOS ROAD
 LOCATED IN SECS. 8, 9, 10, 11, 14, 15, 16, 6 & 17
 TOWNSHIP 4 NORTH, RANGE 28 E.W.M.

DATE OF SURVEY: SEPTEMBER, 2011

SHEET 1 OF 2

Date 11-11
 Road By GA
 No 11-121-C



LINE TABLE

LINE NO.	BEARING	DISTANCE
L1	N87°37'03"E	7.07'
L2	N88°41'33"E	23.00'
L3	N88°41'33"E	30.08'
L4	N88°41'33"E	25.46'
L5	N87°37'03"E	9.38'
L6	N88°41'33"E	20.86'
L7	N88°41'33"E	30.08'
L8	N88°41'33"E	27.20'
L9	N00°36'10"W	8.07'

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NAD '83 ('91) STATE PLANE COORDINATES - NEW CENTERLINE STATIONS
 OREGON NORTH ZONE 3601 - INTERNATIONAL FEET

NEW STATION	NORTHING	EASTING
62+67.46	793,216.50	8,534,786.51
62+67.46	793,248.25	8,535,786.00
73+43.40	793,282.40	8,536,861.40
78+59.77	793,303.87	8,537,377.32
79+37.97	793,309.74	8,537,455.32
86+06.04	793,323.70	8,538,123.22
92+33.26	793,337.32	8,538,750.29

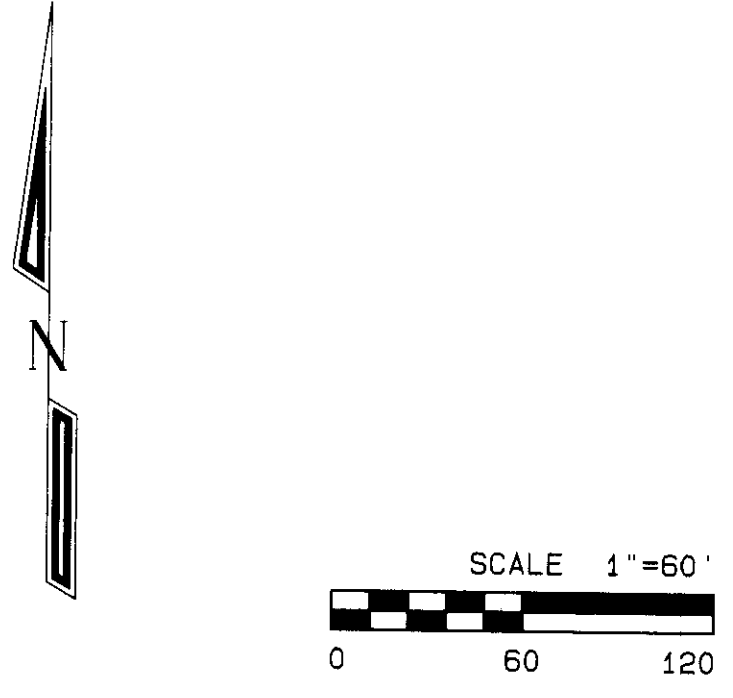
NAD '83 ('91) STATE PLANE COORDINATES - EXISTING CENTERLINE STATIONS
 OREGON NORTH ZONE 3601 - INTERNATIONAL FEET

EXISTING STATION	NORTHING	EASTING
106+10.65	793,205.09	8,534,743.58
99+59.65	793,226.79	8,535,394.22
92+93.12	793,252.30	8,536,060.26
86+54.63	793,275.62	8,536,698.32
79+75.04	793,303.87	8,537,377.32
78+96.82	793,309.74	8,537,455.32
72+28.77	793,323.70	8,538,123.22
66+01.55	793,337.32	8,538,750.29

FOR NARRATIVE, LEGEND, AND DETAILS, SEE SHEET 5

NOTES

1. LINES ANNOTATED WITH DISTANCES AND BEARINGS ARE FOR THE NEW ALIGNMENT (THIS SURVEY)
2. FOR DETAILS ON SECTION MONUMENTS FOUND AND SET, SEE INDEX SHEET
3. HATCHED AREA REPRESENTS EXISTING RIGHT-OF-WAY TO BE VACATED AND RETURNED TO PROPERTY OWNERS TO THE SOUTH OF THE NEW ALIGNMENT
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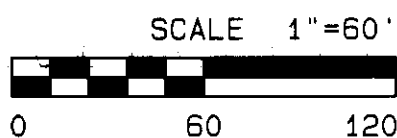
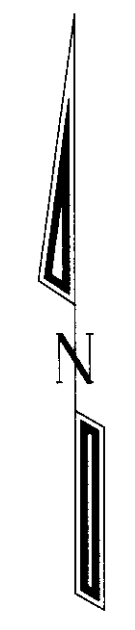
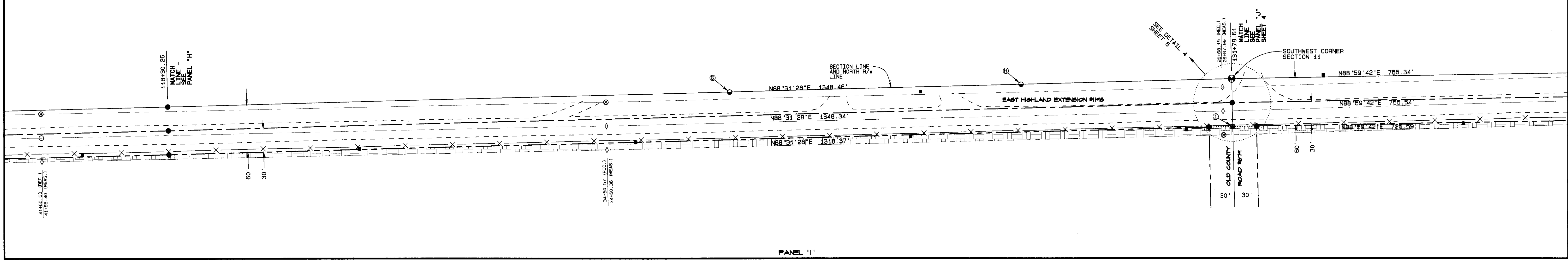
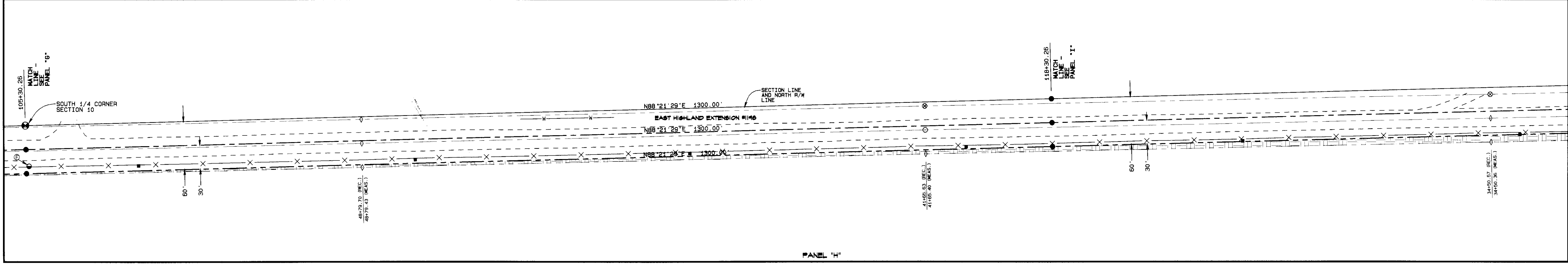
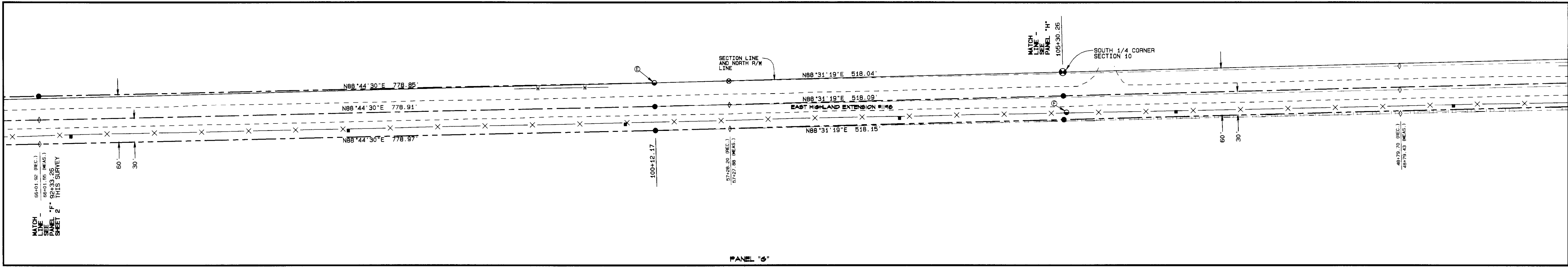


REGISTERED PROFESSIONAL LAND SURVEYOR
 Gary R. Roberts
 JULY 20, 1993
 2627

RENEWS 12/31/2012

UMATILLA COUNTY ROAD DEPARTMENT
 3420 WESTGATE
 PENDELTON, OREGON 97601
 PHONE 541/276-5424

LEGALIZATION SURVEY FOR
 COUNTY ROAD NO. 1198 - EAST HIGHLAND EXTENSION
 AND
 COUNTY ROAD NO. 1172 - KOSMOS ROAD
 LOCATED IN SECS. 8, 9, 10, 11, 14, 15, 16, & 17
 TOWNSHIP 4 NORTH, RANGE 29 E.W.M.
 DATE OF SURVEY: SEPTEMBER, 2011
 SHEET 2 OF 5



NAD '83 ('91) STATE PLANE COORDINATES - NEW CENTERLINE STATIONS
OREGON NORTH ZONE 3601 - INTERNATIONAL FEET

NEW STATION	NORTHING	EASTING
92+33.26	793,337.32	8,538,750.29
100+12.17	793,354.43	8,539,529.02
105+30.26	793,367.81	8,540,046.94
118+30.26	793,401.28	8,541,346.51
131+78.61	793,435.99	8,542,694.40

NAD '83 ('91) STATE PLANE COORDINATES - EXISTING CENTERLINE STATIONS
OREGON NORTH ZONE 3601 - INTERNATIONAL FEET

EXISTING STATION	NORTHING	EASTING
66+01.55	793,337.32	8,538,750.29
57+27.88	793,356.46	8,539,623.75
48+79.43	793,375.42	8,540,471.99
41+65.40	793,392.08	8,541,185.83
34+50.36	793,406.93	8,541,900.72
26+67.99	793,425.33	8,542,682.87

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FOR NARRATIVE, LEGEND, AND DETAILS, SEE SHEET 5

REGISTERED PROFESSIONAL LAND SURVEYOR
Gary D. Roberts
 OREGON
 JUL 20, 1993
 GARY D. ROBERTS
 2627
 RENEWS 12/31/2012

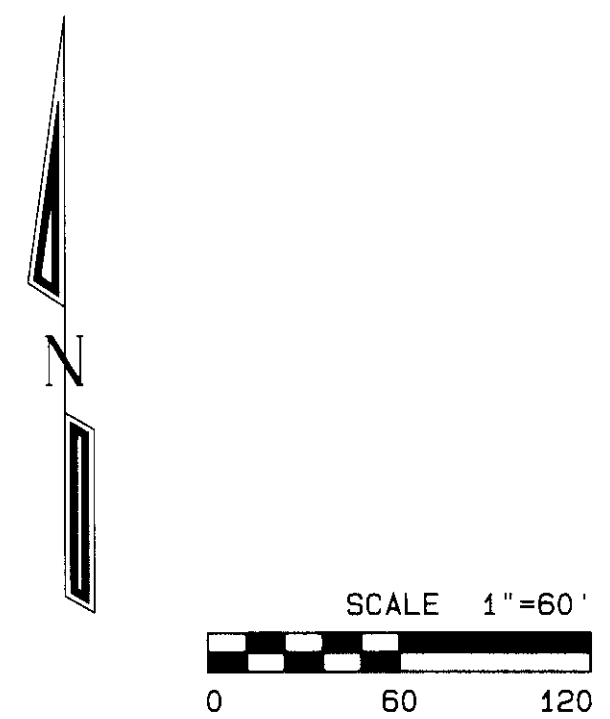
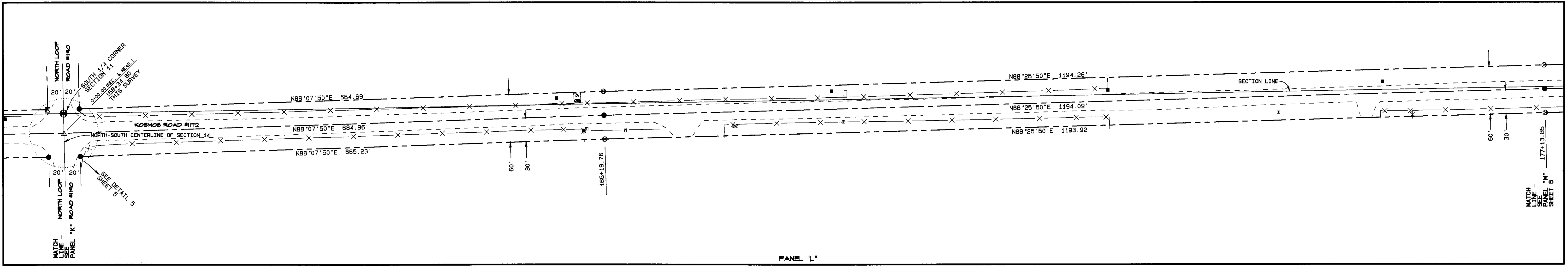
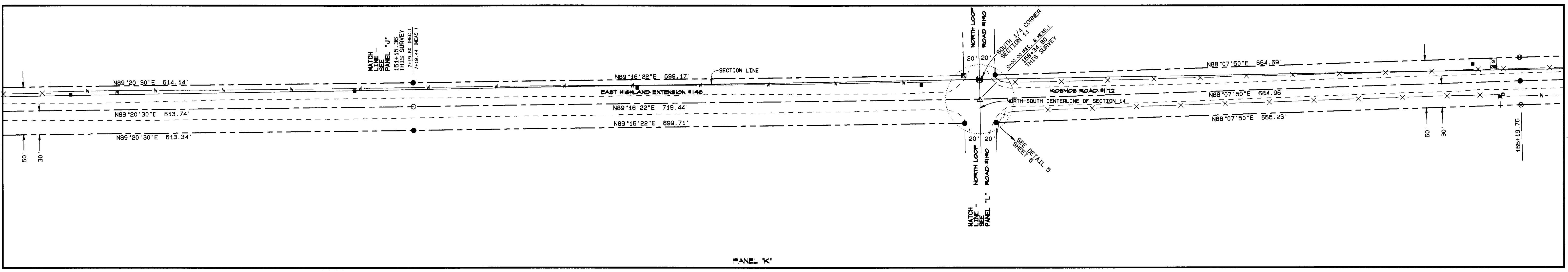
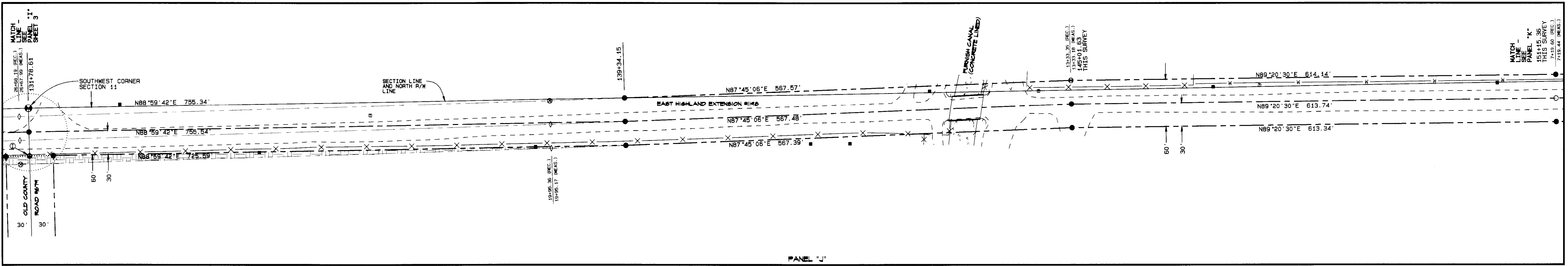
UMATILLA COUNTY ROAD DEPARTMENT
 9420 WESTGATE
 PENDELTON, OREGON 97601
 PHONE 541/278-5424

LEGALIZATION SURVEY FOR
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 AND
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 TOWNSHIP 4 NORTH, RANGE 29 E.W.M.

DATE OF SURVEY: SEPTEMBER, 2011

SHEET 3 OF 6

Date 11-11
 Rec'd By [Signature]
 11-13-11



NAD '83 ('91) STATE PLANE COORDINATES - NEW CENTERLINE STATIONS

OREGON NORTH ZONE 3601 - INTERNATIONAL FEET

NEW STATION	NORTHING	EASTING
131+78.61	793,435.99	8,542,694.40
139+34.15	793,449.25	8,543,449.83
145+01.63	793,471.51	8,544,016.87
151+15.36	793,478.56	8,544,630.57
158+34.80	793,487.69	8,545,349.95
165+19.76	793,510.04	8,546,034.54
177+13.85	793,542.74	8,547,228.19

NAD '83 ('91) STATE PLANE COORDINATES - EXISTING CENTERLINE STATIONS

OREGON NORTH ZONE 3601 - INTERNATIONAL FEET

EXISTING STATION	NORTHING	EASTING
26+67.99	793,425.33	8,542,682.87
19+95.17	793,445.54	8,543,355.38
13+33.18	793,471.51	8,544,016.87
7+19.44	793,478.56	8,544,630.57
0+00.00	793,487.69	8,545,349.95

NOTES

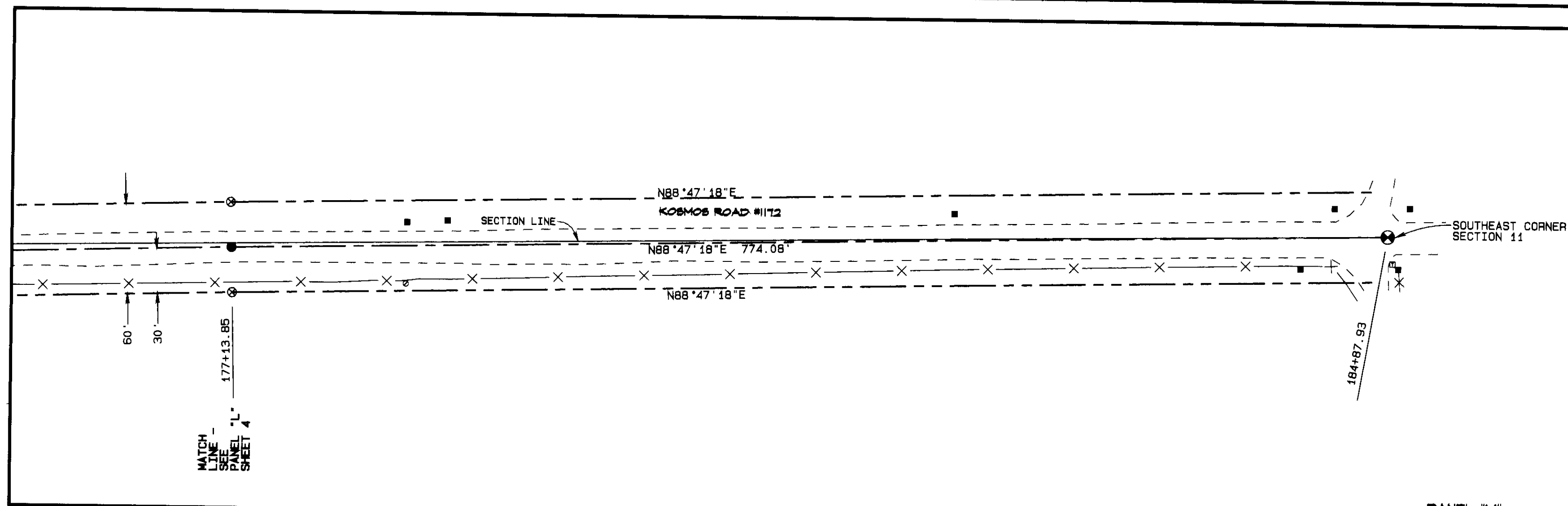
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FOR NARRATIVE, LEGEND, AND DETAILS, SEE SHEET 5

REGISTERED PROFESSIONAL LAND SURVEYOR
Gary B. Roberts
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 OREGON
 GARY B. ROBERTS
 2627
 RENEWS 12/31/2012

UMATILLA COUNTY ROAD DEPARTMENT
 8420 WESTGATE
 PENDLETON, OREGON 97001
 PHONE 541/278-5424
 LEGALIZATION SURVEY FOR
 COUNTY ROAD NO. 1198 - EAST HIGHLAND EXTENSION
 AND
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 LOCATED IN SECS. 9, 10, 11, 14, 15, 16, & 17
 TOWNSHIP 4 NORTH, RANGE 29 E.W.M.
 DATE OF SURVEY: SEPTEMBER, 2011
 SHEET 4 OF 5

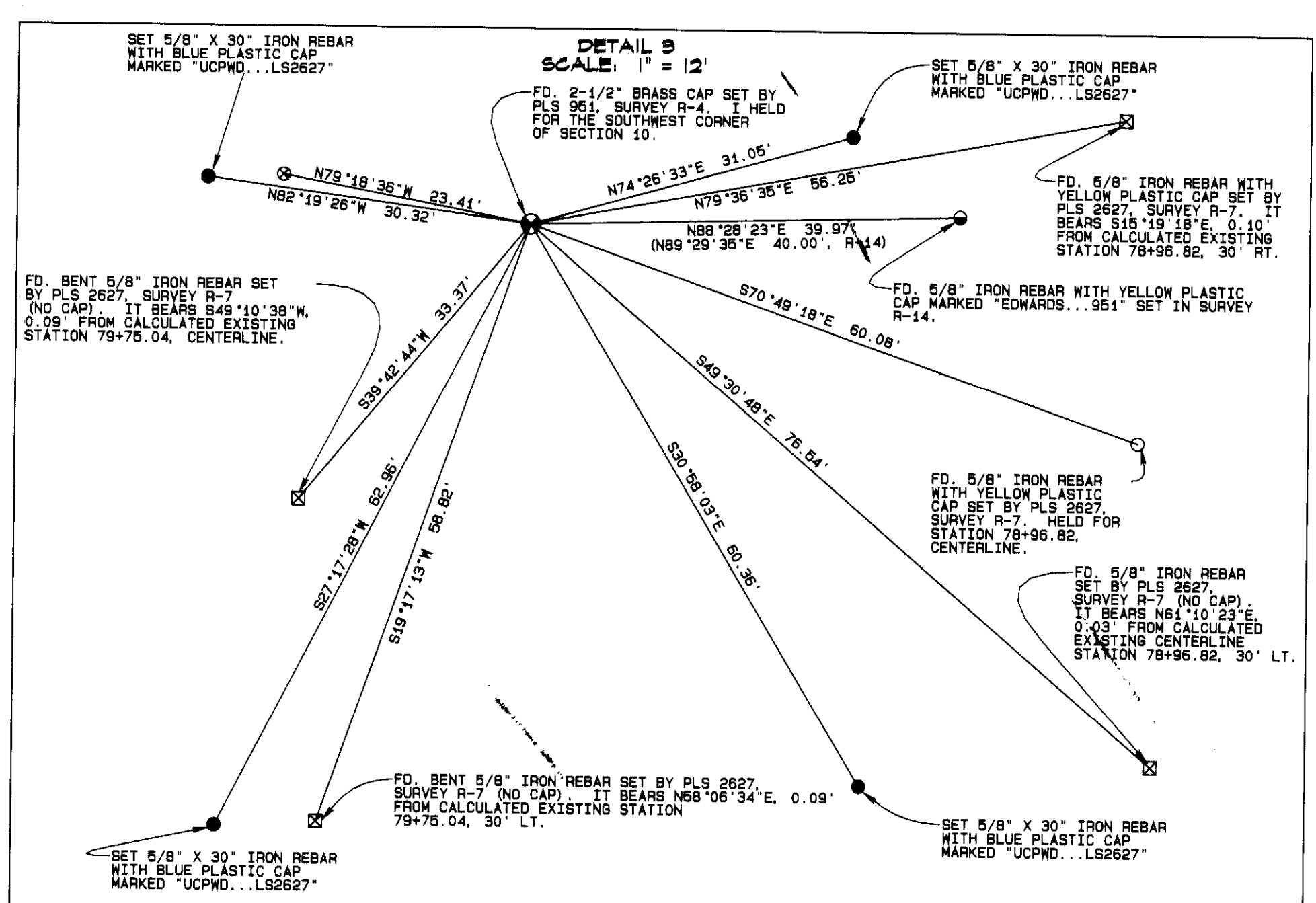
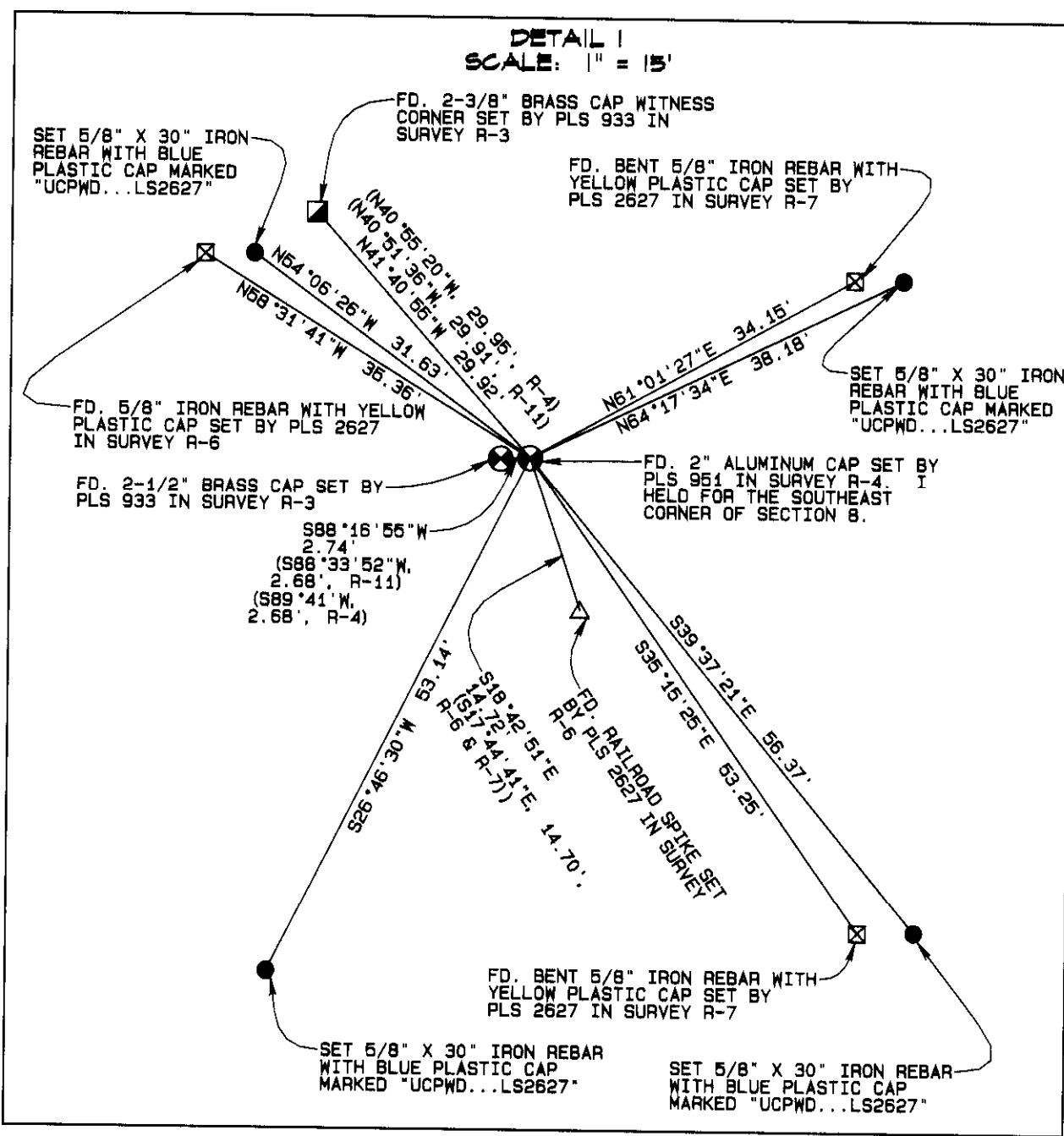
Umatilla County Survey
 Date 11-11
 Road By K.A.
 No 11-121-C



NOTES

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PANEL "M"



SURVEY NARRATIVE

THE PURPOSE OF THIS SURVEY WAS TO RE-DEFINE THE RIGHT-OF-WAY LINES OF A PORTION OF COUNTY ROAD NO. 1172, EAST HIGHLAND EXTENSION, AND TO DEFINE THE RIGHT-OF-WAY LINES ON A PORTION OF COUNTY ROAD NO. 1172, KOSMOS ROAD, FOR LEGALIZATION PURPOSES.

IN 1995 AND 1996 I COMPLETED THREE SURVEYS ON EAST HIGHLAND EXTENSION. TWO OF THEM WERE FOR ROAD LEGALIZATIONS AND ONE WAS FOR A RIGHT-OF-WAY DEDICATION. THE TWO PORTIONS LEGALIZED WERE FROM 1/2 MILE WEST OF SOUTH EDWARDS ROAD TO SOUTH EDWARDS ROAD AND FROM 1/2 MILE WEST OF NORTH LOOP ROAD TO NORTH LOOP ROAD. IN BOTH INSTANCES, COUNTY ROAD RIGHTS-OF-WAY EXISTED BUT DID NOT MATCH THE TRAVELED ROAD BY VARYING AMOUNTS. THEY WERE LEGALIZED BY THE BOARD OF COMMISSIONERS IN FEBRUARY, 1997. DESCRIPTIONS WERE WRITTEN AND DEEDS WERE OBTAINED FOR THE TWO MILES IN BETWEEN WHERE THERE WAS NO COUNTY ROAD RIGHT-OF-WAY. BUT WHERE THE COUNTY HAD CONSTRUCTED AND BEEN MAINTAINING THE ROAD AS A COUNTY ROAD FOR SEVERAL YEARS. DEEDS FOR THE RIGHT-OF-WAY ON THE NORTH WERE RECORDED IN FEBRUARY, 1996 AND DEEDS FOR THE RIGHT-OF-WAY ON THE SOUTH WERE RECORDED IN FEBRUARY, 1997. THE BOARD OF COMMISSIONERS ACCEPTED THE DEEDS AND ESTABLISHED THE ROAD AS COUNTY ROAD ON FEBRUARY 12, 1997.

AT THE TIME I DID THE RIGHT-OF-WAY SURVEYS, NO RECENT SURVEYS HAD BEEN DONE IN SECTIONS 10, 11, AND 14. I SET A RAILROAD SPIKE AT THE INTERSECTION OF THE CENTERLINES OF EAST HIGHLAND EXTENSION AND NORTH LOOP ROAD WHICH SHOULD HAVE BEEN NEAR THE 1/4 CORNER BETWEEN SECTIONS 11 AND 14. I THEN HELD THE TRAVELED PORTION OF EAST HIGHLAND EXTENSION FOR RIGHT-OF-WAY CENTERLINE. DEED DESCRIPTIONS FOR PARCELS IN SECTIONS 10 AND 16 WERE WRITTEN BASED ON THE BEARING AND DISTANCE SHOWN ON EDWARDS' REMONUMENTATION SURVEY FOR UMATILLA COUNTY (NO. 95-59-B). THOUGH THE BEARING AND DISTANCE WAS NOT TO ANY MONUMENT, I HAVE RECENTLY LEARNED THAT WHEN UMATILLA COUNTY BUILT THE ROAD THEY PURPOSELY BUILT IT SOMEWHERE IN THE SECTION LINE IN ORDER TO AVOID A BURIED IRRIGATION LINE ON THE NORTH SIDE. ALTHOUGH IT IS UNCLEAR HOW THEY KNEW WHERE THE SECTION LINE WAS, AS THERE WERE NO SURVEYS DONE IN THE AREA UNTIL RECENTLY.

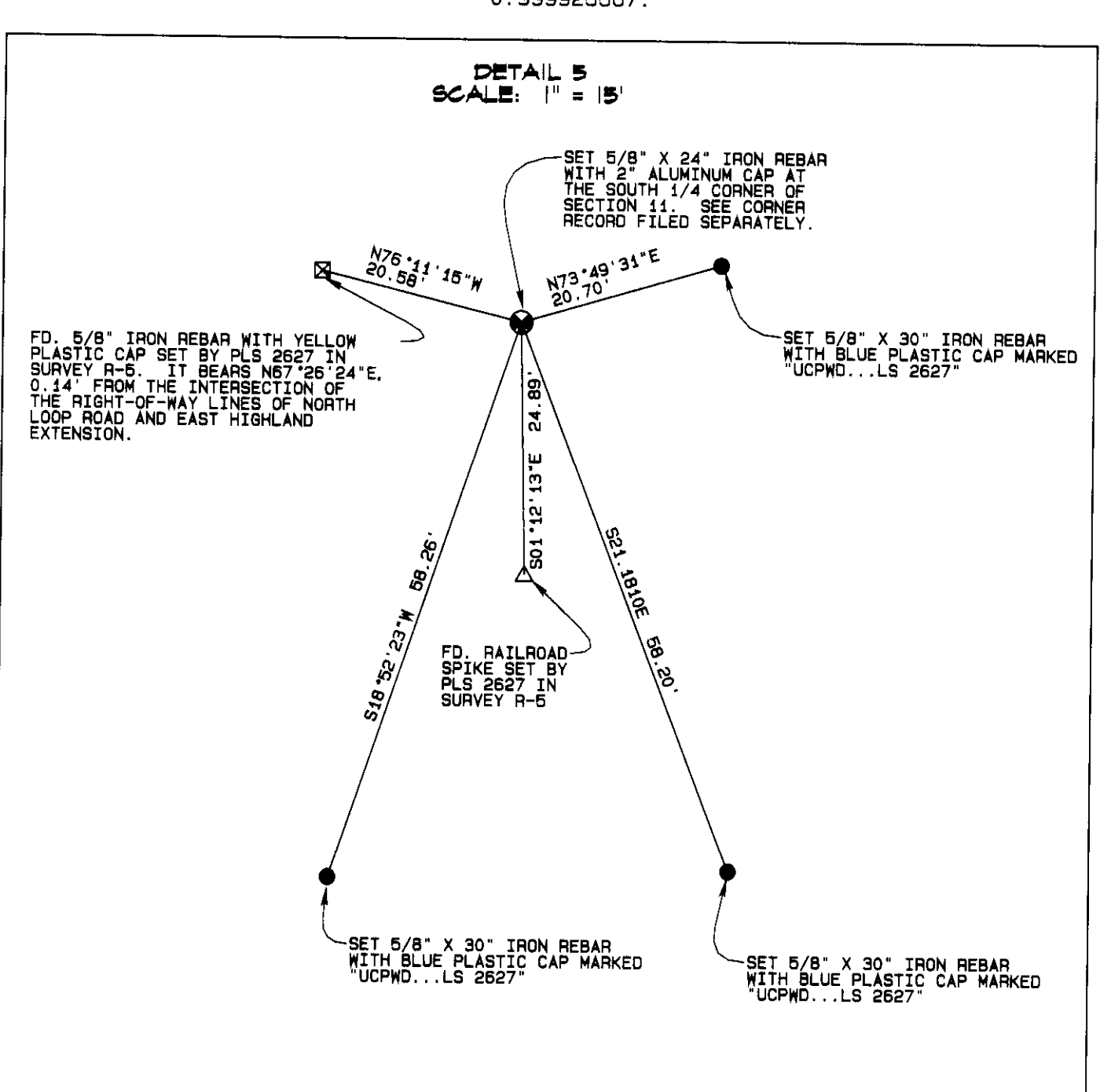
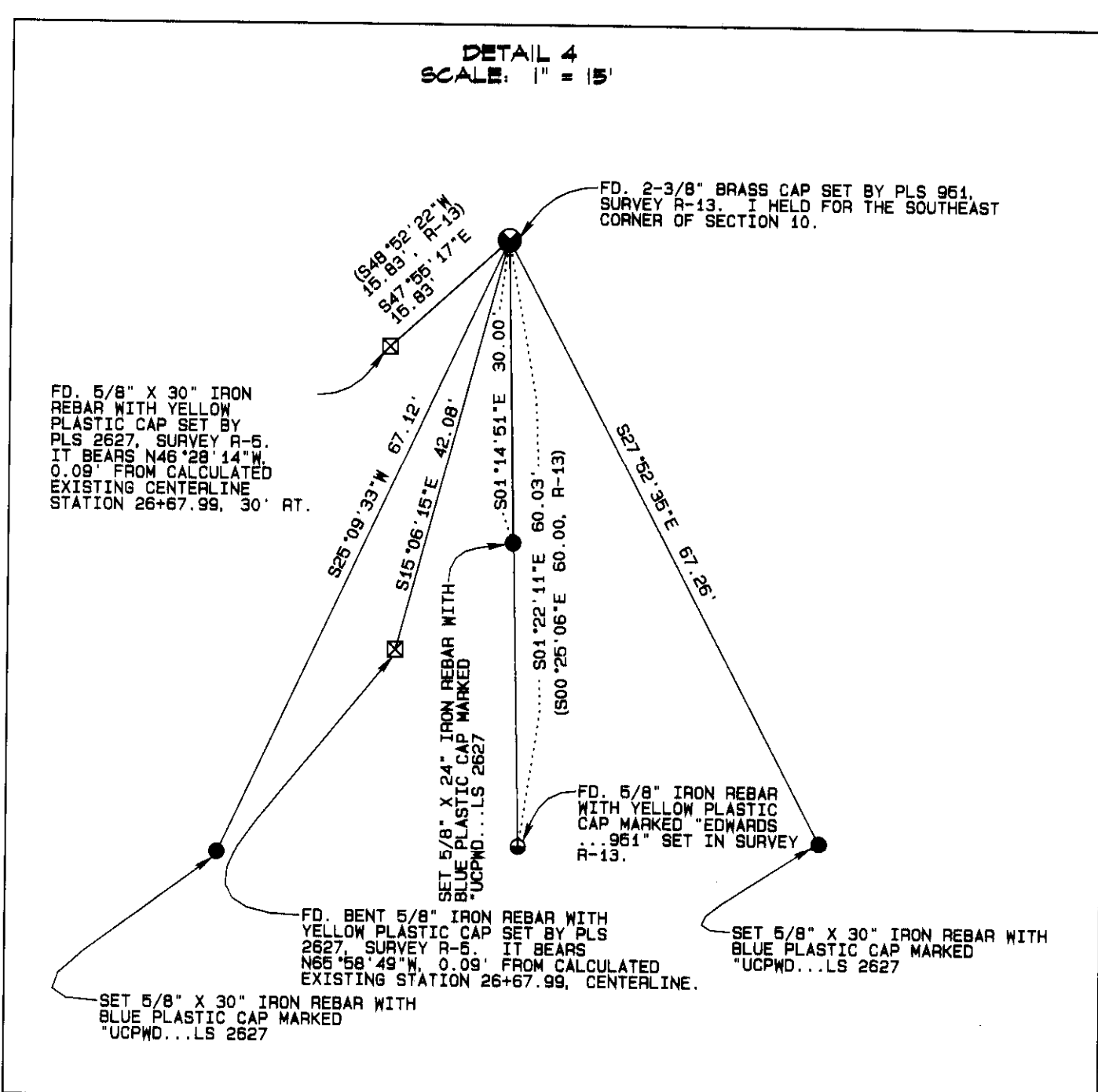
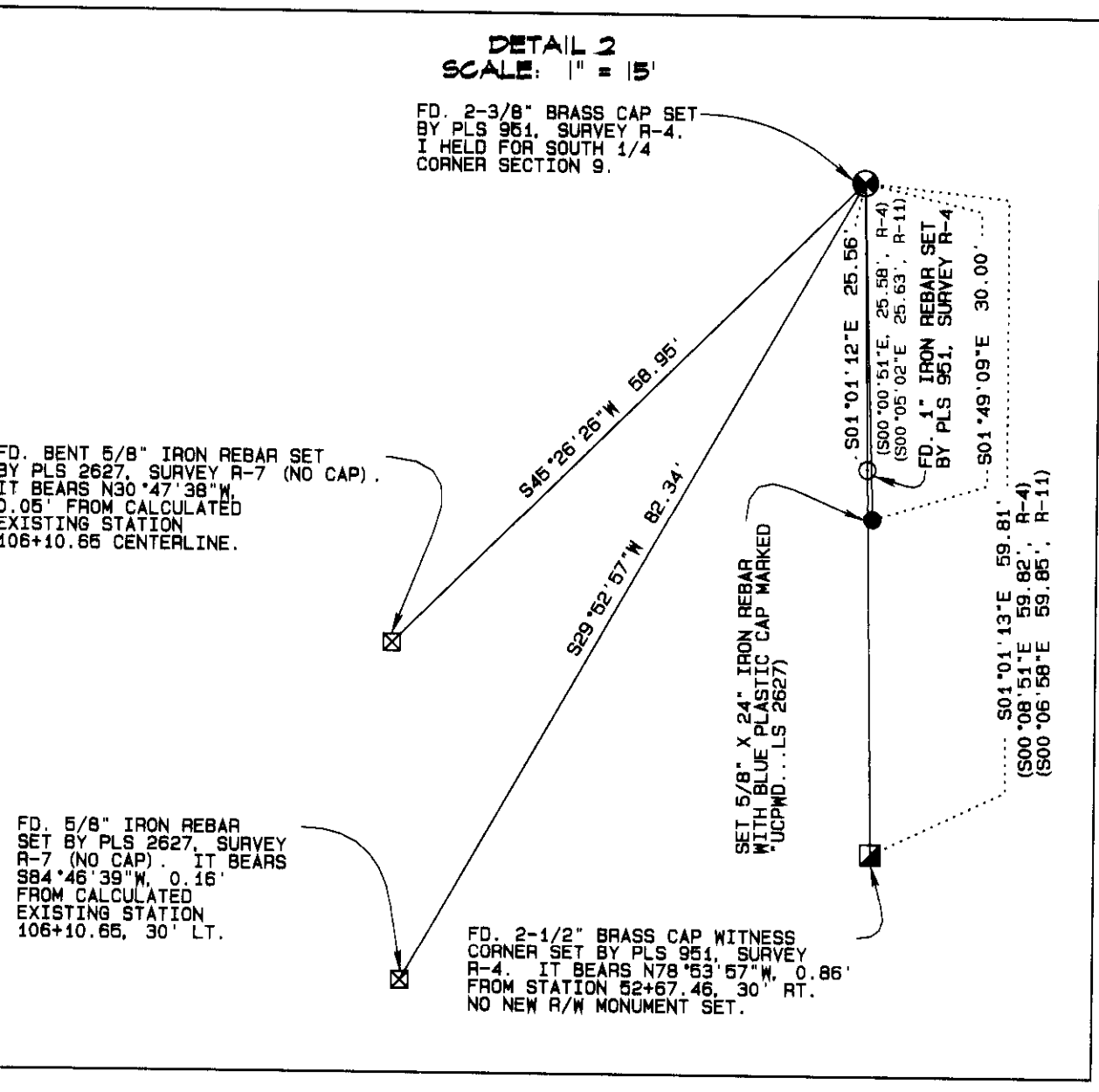
IN 2004, EDWARDS COMPLETED A SURVEY FOR LATHAM AND VAN DEBRAKE (SURVEY NO. 04-106-C) IN WHICH HE SUBDIVIDED SECTION 14 AND ESTABLISHED POSITIONS FOR THE SOUTHEAST CORNERS OF SECTIONS 10 AND 11 FOR EASTING, BUT NOT NORTHING. IN DETERMINING THE 1/4 CORNER LOCATION, IN SUBSEQUENT SURVEYS HE COMPLETED FOR H. T. BURNS, INC. THIS YEAR, HE MONUMENTED THE SOUTH 1/4 CORNER AND SOUTHWEST CORNER OF SECTION 10 BASED ON HIS 2004 SURVEY. THIS SECTION LINE LOCATION CREATES A GAP BETWEEN THE NORTH RIGHT-OF-WAY LINE OF EAST HIGHLAND EXTENSION AND THE SECTION LINE. IN MARCH OF THIS YEAR, WINDBLOWN RANCH, INC. GRANTED H. T. BURNS, INC. A TEMPORARY EASEMENT TO CROSS THAT GAP SO THAT A LAND PARTITION (NO. 2011-07) COULD BE COMPLETED. THE EASEMENT WILL REMAIN IN EFFECT UNTIL EAST HIGHLAND EXTENSION IS "RE-LEGALIZED".

DURING THIS SURVEY I TIED IN ALL OF THE MONUMENTS I COULD FIND FROM THE PREVIOUS THREE SURVEYS I COMPLETED AND HELD THE UNDISTURBED ONES (MANY WERE BENT) TO SHOW THE EXISTING RIGHT-OF-WAY. A TABLE ON THE INDEX SHEET SHOWS THE BEARINGS AND DISTANCES FROM THE EXISTING RIGHT-OF-WAY CALCULATED POINTS TO THE MONUMENTS FOUND, AS WELL AS A DESCRIPTION OF THE MONUMENT FOUND. ANOTHER TABLE SHOWS TIES FROM THE EXISTING RIGHT-OF-WAY CENTERLINE TO THE "NEW" CENTERLINE WHICH WILL BE LEGALIZED BASED ON THIS SURVEY. GAPS THAT WILL BE CLOSED BY "RE-LEGALIZING" THE ROAD AND MOVING THE NORTH RIGHT-OF-WAY LINE TO THE SECTION LINE ARE FROM STATION 37+24.46 TO STATION 73+43.40 AND FROM STATION 100+12.17 TO STATION 139+34.16.

I SET THE 1/4 CORNER BETWEEN SECTIONS 11 AND 14 AND THE SECTION CORNER AT THE SOUTHEAST CORNER OF SECTION 11 BASED ON EDWARDS' 2004 SURVEY. THIS RESULTS IN KOSMOS ROAD BEING SOUTH OF THE SECTION LINE AT ITS INTERSECTION WITH LOOP ROAD. THE SECTION LINE AS MONUMENTED FITS THE ROAD WELL AT THE SOUTHEAST CORNER OF SECTION 11, SO I DECIDED TO END THE ROAD SURVEY AT THAT POINT.

EQUIPMENT USED WAS A LEICA VIVA RTK GPS SYSTEM. BEARINGS AND DISTANCES SHOWN ARE NAD '83 ('91) GRID AND ARE BASED ON GPS SURVEYS DONE BY EDWARDS AND BRIT PRISM FOR UMATILLA COUNTY. TO OBTAIN AN APPROXIMATION OF TRUE BEARINGS, ROTATE THOSE SHOWN BY 00°55'59" CLOCKWISE ABOUT THE SOUTHWEST CORNER OF SECTION 9. TO OBTAIN GROUND DISTANCES, DIVIDE THOSE SHOWN BY A COMBINED FACTOR OF 0.999925567.

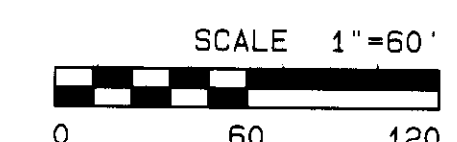
- LEGEND
- FOUND OR SET SECTION MONUMENT AS NOTED ON INDEX SHEET
 - FOUND 5/8" IRON REBAR WITH YELLOW PLASTIC CAP MARKED "UMA, CO. RD. DEPT. LS2627" SET IN SURVEYS R-5, R-6, AND R-7 UNLESS OTHERWISE NOTED. POSITION HELD TO DETERMINE EXISTING R/W LOCATION.
 - ⊠ FOUND 5/8" IRON REBAR WITH YELLOW PLASTIC CAP MARKED "UMA, CO. RD. DEPT. LS2627" SET IN SURVEYS R-5, R-6, AND R-7. POSITION NOT HELD FOR R/W LOCATION. SEE DETAILS ON SHEET 5.
 - ⊞ FOUND 2-3/8" OR 2-1/2" BRASS CAP WITNESS CORNER AS NOTED.
 - △ FOUND RAILROAD SPIKE SET IN SURVEY R-5 OR R-6. POSITION HELD TO DETERMINE EXISTING R/W LOCATION.
 - FOUND 5/8" IRON REBAR WITH YELLOW PLASTIC CAP MARKED "EDWARDS, 951" SET IN SURVEYS R-13, R-14, OR R-15 AS NOTED IN TABLE ON INDEX SHEET.
 - SET 5/8" IRON REBAR WITH BLUE PLASTIC CAP MARKED "UCPMD...LS 2627" MONUMENTS ON CENTERLINE ARE 24" IN LENGTH; MONUMENTS ON R/W LINES ARE 30" IN LENGTH.
 - ◇ CALCULATED POINT NEAR FOUND MONUMENT FROM SURVEYS R-5, R-6, OR R-7. FOUND MONUMENTS NOT HELD; SEE TABLE ON INDEX SHEET.
 - ⊗ CALCULATED POINT ONLY; NOTHING FOUND OR SET.
 - POWER POLE
 - ⊞ TELEPHONE PEDESTAL
 - GUY WIRE AND ANCHOR
 - IRRIGATION VALVE
 - FOUND MONUMENT AS DESCRIBED IN TABLE ON INDEX SHEET
 - EDGE OF ROAD
 - FENCE
 - R/W LINES THIS SURVEY
 - CENTERLINE THIS SURVEY
 - EXISTING R/W LINES
 - EXISTING R/W CENTERLINE
 - BURIED IRRIGATION LINE
 - GUARDRAIL



NAD '83 ('91) STATE PLANE COORDINATES - NEW CENTERLINE STATIONS

OREGON NORTH ZONE 3601 - INTERNATIONAL FEET

NEW STATION	NORTHING	EASTING
177+13.85	793,542.74	8,547,228.19
184+87.93	793,559.11	8,548,002.09



REGISTERED PROFESSIONAL LAND SURVEYOR
GARY R. ROBERTS
RENEWS 12/31/2012

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3420 WESTGATE
PENDLETON, OREGON 97001
PHONE 541/276-5424

LEGALIZATION SURVEY FOR
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AND
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LOCATED IN SECS. 8, 9, 10, 11, 14, 15, 16, & 17
TOWNSHIP 4 NORTH, RANGE 25 E.W.M.

DATE OF SURVEY: SEPTEMBER, 2011

SHEET 5 OF 5

Drawn By: [Signature]
Checked By: [Signature]