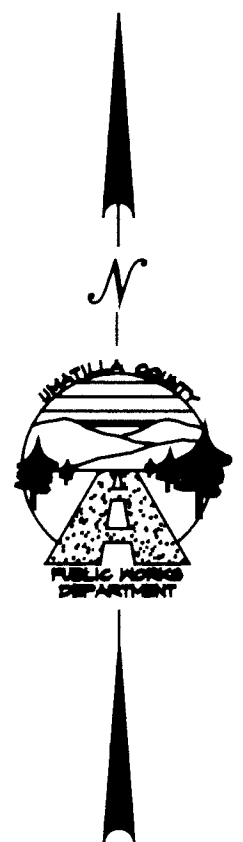


NORTHWEST LIVESTOCK ROAD AND COTTONWOOD BEND ROAD LEGALIZATION SURVEY



TOWNSHIP 4 NORTH
RANGE 28 E.M.M.

SECTION SUBDIVISION DIAGRAM
SCALE: 1 INCH = 400 FEET

SECTION 19

C1/4 SECTION 19
FOUND 5/8" IRON REBAR WITH
YELLOW PLASTIC CAP SET BY
PLS 951 IN SURVEY 09-008-C.
(STAEBLER'S 5/8" REBAR IN 2'.
IRON PIPE COLLAR FROM SURVEY
7-7-C BEARS 576°48'28"E, 2.32')

MEASURED BEARINGS AND DISTANCES

ARE NAD 83(N) AND 12

NOTATE MEASURED BEARINGS SHOWN 0°48'04"

CLOCKWISE TO OBTAIN TRUE BEARINGS

MULTIPLY MEASURED DISTANCES SHOWN BY A COMBINED

SCALE AND ELEVATION FACTOR OF 1.0000846

TO OBTAIN GROUND DISTANCE

NORTHWEST CORNER SECTION 30.
FOUND ASPHALT NAIL WITH BRASS WASHER
STAMPED "152827 SET IN SURVEY 12-142-C
IN PLACE OF BRASS CAP SET BY PLS 951
IN SURVEY 02-160-B.

NORTH 1/4 CORNER SECTION 30.
CALCULATED BY SINGLE PROPORTION.

NORTHEAST CORNER SECTION 30.
FOUND 3/4" BRASS CAP SET BY
PLS 933 IN 1996.

N89°22'44"E 2428.21'

(S89°56'E 36.54 CHAINS, R-1)
(S89°21'11"N 2427.95', R-4)
(S89°50'40"E 2428.17', R-5)
(S89°20'00"E 2428.06', R-6)
(N89°21'21"E 2428.07', R-8)
(S89°56'27"N 2428.50', R-10)
(S89°47'36"E 2428.41', R-11)
(N89°49'10"W 2428.43', R-12)
(N89°49'04"W 2428.41', R-13)
(N89°22'43"E 2428.49', R-14)
(S89°56'07"N 2428.44', R-15)
(S89°48'00"E 2428.41', R-16)
(2432.5', R-20)

N89°22'44"E 1329.07'
(S89°20'00"N 1329.99', R-9)
(S89°47'36"E 1329.17', R-17)
(N89°48'10"W 1329.21', R-18)
(N89°56'07"N 1329.19', R-19)
(S89°49'00"E 1329.18', R-23)

N89°22'44"E 1329.07'

(S89°20'00"N 1329.99', R-9)
(S89°47'36"E 1329.17', R-17)
(N89°48'10"W 1329.21', R-18)
(N89°56'07"N 1329.19', R-19)
(S89°49'00"E 1329.18', R-23)

N89°22'44"E 1329.07'

(S89°20'00"N 1329.99', R-9)
(S89°47'36"E 1329.17', R-17)
(N89°48'10"W 1329.21', R-18)
(N89°56'07"N 1329.19', R-19)
(S89°49'00"E 1329.18', R-23)

LEGEND

● FOUND MONUMENT AS NOTED

⊗ CALCULATED POINT ONLY - NOTHING FOUND OR SET

WEST 1/4 CORNER SECTION 30.
FOUND 2-1/2" G.L.D. BRASS CAP SET BY
ROLLS IN 1941, NOW ENCASED IN PVC PIPE
AND APPROXIMATELY 3-1/2 FEET BELOW
GROUND SURFACE.

N89°28'30"E 2428.38'

(N89°22'20"W 2428.89', R-3)
(N89°12'29"42"E 2424.46', R-6)
(N89°50'37"N 2428.69', R-10)
(S89°43'23"W 2428.54', R-11)
(S89°43'15"E 2428.52', R-19)
(S89°50'18"E 2428.70', R-21)
(N89°43'15"W 2428.65', R-23)

N89°28'30"E 1324.86'

(N89°29'42"E 1327.95', R-6)
(N89°50'37"N 1324.90', R-10)
(S89°41'00"E 1324.90', R-17)
(S89°43'15"E 1324.89', R-19)
(S89°50'18"E 1324.93', R-21)
(N89°43'15"W 1324.90', R-23)

N89°28'30"E 1324.86'

(N89°29'42"E 1327.95', R-6)
(N89°50'37"N 1324.90', R-10)
(S89°41'00"E 1324.90', R-17)
(S89°43'15"E 1324.89', R-19)
(S89°50'18"E 1324.93', R-21)
(N89°43'15"W 1324.90', R-23)

EAST 1/4 CORNER SECTION 30.
CALCULATED BY SINGLE PROPORTION.

SOUTHWEST CORNER SECTION 30.
FOUND 1-1/4" ALUMINUM CAP SET BY
PLS 2817, REMONUMENTATION
SHEET 98-097-R.

N89°33'13"E 2429.15'

(S89°38'E 36.79 CHAINS, R-1)
(S89°54'00"E 2445.62', R-5)
(N89°50'24"E 2440.87', R-6)
(S89°54'00"E 2445.62', R-7)
(N89°41'59"E 2429.44', R-9)
(S89°45'28"E 2429.26', R-10)
(S89°38'28"E 2429.33', R-18)
(N89°45'28"E 2429.33', R-18)
(N89°45'28"E 2429.36', R-21)
(N89°58'23"W 2429.28', R-23)

SOUTH 1/4 CORNER SECTION 30.
CALCULATED BY SINGLE PROPORTION.

N89°33'13"E 1324.86'

(S89°38'E 36.79 CHAINS, R-1)
(S89°54'00"E 2445.62', R-5)
(N89°50'24"E 2440.87', R-6)
(S89°54'00"E 2445.62', R-7)
(N89°41'59"E 2429.44', R-9)
(S89°45'28"E 2429.26', R-10)
(S89°38'28"E 2429.33', R-18)
(N89°45'28"E 2429.33', R-18)
(N89°45'28"E 2429.36', R-21)
(N89°58'23"W 2429.28', R-23)

SOUTHEAST CORNER SECTION 30.
FOUND 3/8" BRASS CAP SET BY PLS 951
IN SURVEY 91-31-B.

SURVEY RECORDS

- R-1 1860 G.L.D. SURVEY BY EBENEZER HAFT UNDER CONTRACT NO. 93
- R-2 1874 G.L.D. SURVEY BY NICHOLAS WALDEN UNDER CONTRACT NO. 209
- R-3 G.L.D. SURVEY BY OTIS GOULD UNDER SPECIAL INSTRUCTIONS DATED SEPTEMBER 9, 1940
- R-4 SURVEY NO. F-7-C BY DONALD STAEBLER (1969) FOR MALCOM AND ADRIAN SKINNER
- R-5 SURVEY NO. Q-697-C BY DAVID KRUMBEIN (1972) FOR THE PORT OF UMATILLA
- R-6 SURVEY NO. 82-39-A BY DENNIS EDWARDS FOR ALBERT OVERTON
- R-7 SURVEY NO. 84-171-C BY EARL MING (CLIENT UNKNOWN)
- R-8 SURVEY NO. 88-51-A BY DENNIS EDWARDS FOR EMIL HALIENICZ
- R-9 SURVEY NO. 91-31-B BY DENNIS EDWARDS FOR LAMB-WESTON
- R-10 SURVEY NO. 98-19-B BY GARY WAGNER FOR WESTERN LAND AND CATTLE
- R-11 REMONUMENTATION FORM NO. 98-97-R BY GARY WAGNER (SOUTHWEST CORNER OF SECTION 30)
- R-12 SURVEY NO. 99-56-B BY GARY WAGNER FOR WESTERN LAND AND CATTLE
- R-13 SURVEY NO. 02-160-B BY DENNIS EDWARDS FOR U.E.C.A.
- R-14 SURVEY NO. 03-54-C BY BRIT PRIMM AND DENNIS EDWARDS FOR UMATILLA COUNTY
- R-15 SURVEY NO. 03-113-B BY DENNIS EDWARDS FOR RAY AND SHARON WALKER
- R-16 SURVEY NO. 03-308-C BY GARY ROBERTS FOR UMATILLA COUNTY
- R-17 SURVEY NO. 05-41-C BY DENNIS EDWARDS FOR SHAKCORP
- R-18 SURVEY NO. 09-29-B BY RON MCKINNIS FOR TAPANI UNDERGROUND, INC.
- R-19 SURVEY NO. 11-105-B BY RODNEY LEWIS FOR WHITMAN ENTERPRISES, INC.
- R-20 SURVEY NO. 12-142-C BY GARY ROBERTS FOR UMATILLA COUNTY
- R-21 SURVEY NO. 13-015-C BY DANNY CUMMINGS FOR CASCADE NATURAL GAS
- R-22 SURVEY NO. 14-25-C BY GARY ROBERTS FOR UMATILLA COUNTY
- R-23 SURVEY NO. 16-83-C BY WILLIAM WELLS FOR LIBERATED L & E, LLC
- R-24 ROAD RECORDS FOR COUNTY ROAD NO. 653, DATED 1908
- R-25 ROAD RECORDS FOR COUNTY ROAD NO. 775, DATED 1915
- R-26 O.S.H.D. RIGHT OF WAY MAP NO. 88-29-12 (INTERSTATE 84)
- R-27 O.S.H.D. RIGHT OF WAY MAP NO. 9F-5-22 (INTERSTATE 84)

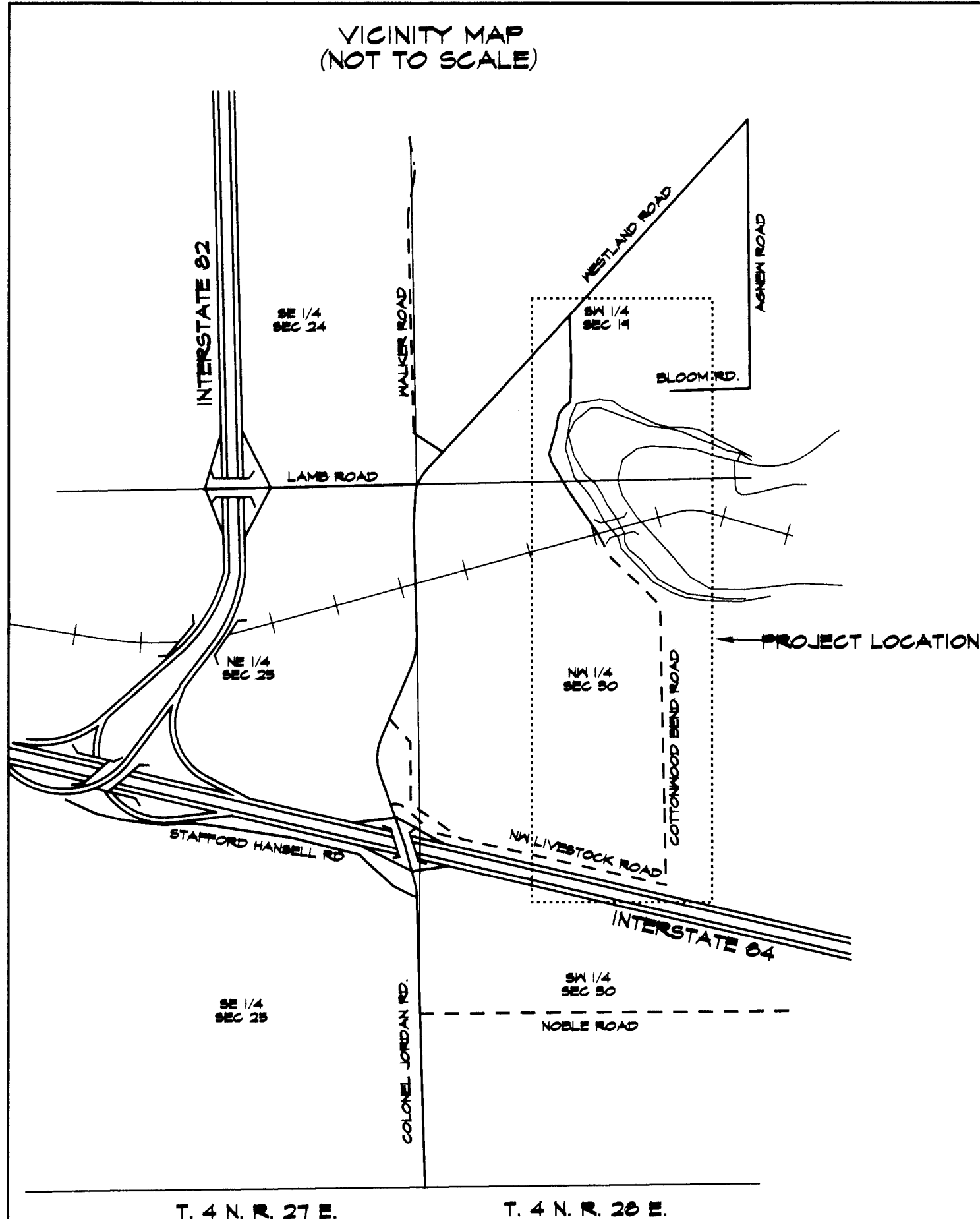
STATE PLANE COORDINATES

OREGON NORTH ZONE 3601 - NAD '83 ('91) - INTERNATIONAL FEET

POINT DESCRIPTION	NORTHING	EASTING
N.W. COR. SEC. 30 (ASPHALT NAIL & BRASS WASHER)	782,166.66	8,489,625.12
N. 1/4 COR. SEC. 30 (CALCULATED)	782,192.99	8,492,053.18
E. 1/16 COR. SECS. 19 & 30 (CALCULATED)	782,207.40	8,493,382.17
N.E. COR. SEC. 30 (BRASS CAP)	782,221.81	8,494,711.16
N. 1/16 COR. C-C SEC. 30 (CALCULATED)	780,870.07	8,492,070.32
N.E. 1/16 COR. SEC. 30 (CALCULATED)	780,883.37	8,493,397.22
N. 1/16 COR. SECS. 29 & 30 (CALCULATED)	780,896.66	8,494,724.07
W. 1/4 COR. SEC. 30 (BRASS CAP)	779,524.90	8,489,659.16
C. 1/4 COR. SEC. 30 (CALCULATED)	779,547.15	8,492,087.47
E. 1/16 COR. C-C SEC. 30 (WELLS 5/8" REBAR W/CAP)	779,559.29	8,493,412.27
E. 1/4 COR. SEC. 30 (CALCULATED)	779,571.52	8,494,736.98
S. 1/16 COR. C-C SEC. 30 (CALCULATED)	778,223.90	8,492,104.61
S.E. 1/16 COR. SEC. 30 (CALCULATED)	778,235.14	8,493,427.27
S. 1/16 SECS 29 & 30 (CALCULATED)	778,246.37	8,494,749.88
S.W. COR. SEC. 30 (ALUMINUM CAP)	776,881.73	8,489,692.69
S. 1/4 COR. SEC. 30 (CALCULATED)	776,900.65	8,492,121.76
E. 1/16 COR. SECS. 30 & 31 (CALCULATED)	776,910.94	8,493,442.27
S.E. COR. SEC. 30 (BRASS CAP)	776,921.23	8,494,762.78
C. 1/4 COR. SEC. 19 (EDWARDS 5/8" REBAR W/CAP)	784,836.21	8,492,019.70

CONTENTS

- SHEET 1 OF 5 COTTONWOOD BEND ROAD STATION "CWB" 0+00.00 P.O.T. TO STATION "CWB" 27+42.24 P.C.
- WESTLAND ROAD STATION "W3" 58+54.64 P.O.T. TO STATION "W3" 72+82.05 P.O.T.
- SHEET 2 OF 5 COTTONWOOD BEND ROAD STATION "CWB" 27+42.24 P.C. TO STATION "CWB" 55+62.93 P.O.T.
- SHEET 3 OF 5 COTTONWOOD BEND ROAD STATION "CWB" 55+62.93 P.O.T. TO STATION "CWB" 84+49.37 P.I.
- SHEET 4 OF 5 COTTONWOOD BEND ROAD STATION "CWB" 84+49.37 P.I. TO STATION "CWB" 92+47.12 P.O.T.
- NORTHWEST LIVESTOCK ROAD STATION "NWL" 959+98.15 P.I. TO STATION "NWL" 966+74.65 P.O.T.
- SHEET 5 OF 5 INTERSTATE 84 STATION 912+60.00 P.O.T. TO STATION 989+00.00 P.O.T.
- SURVEY NARRATIVE

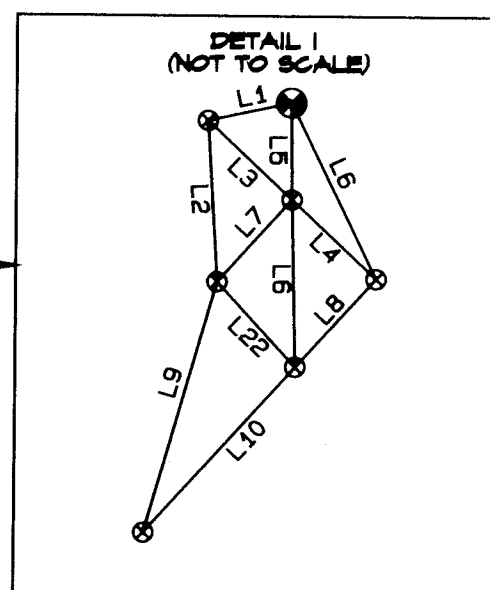
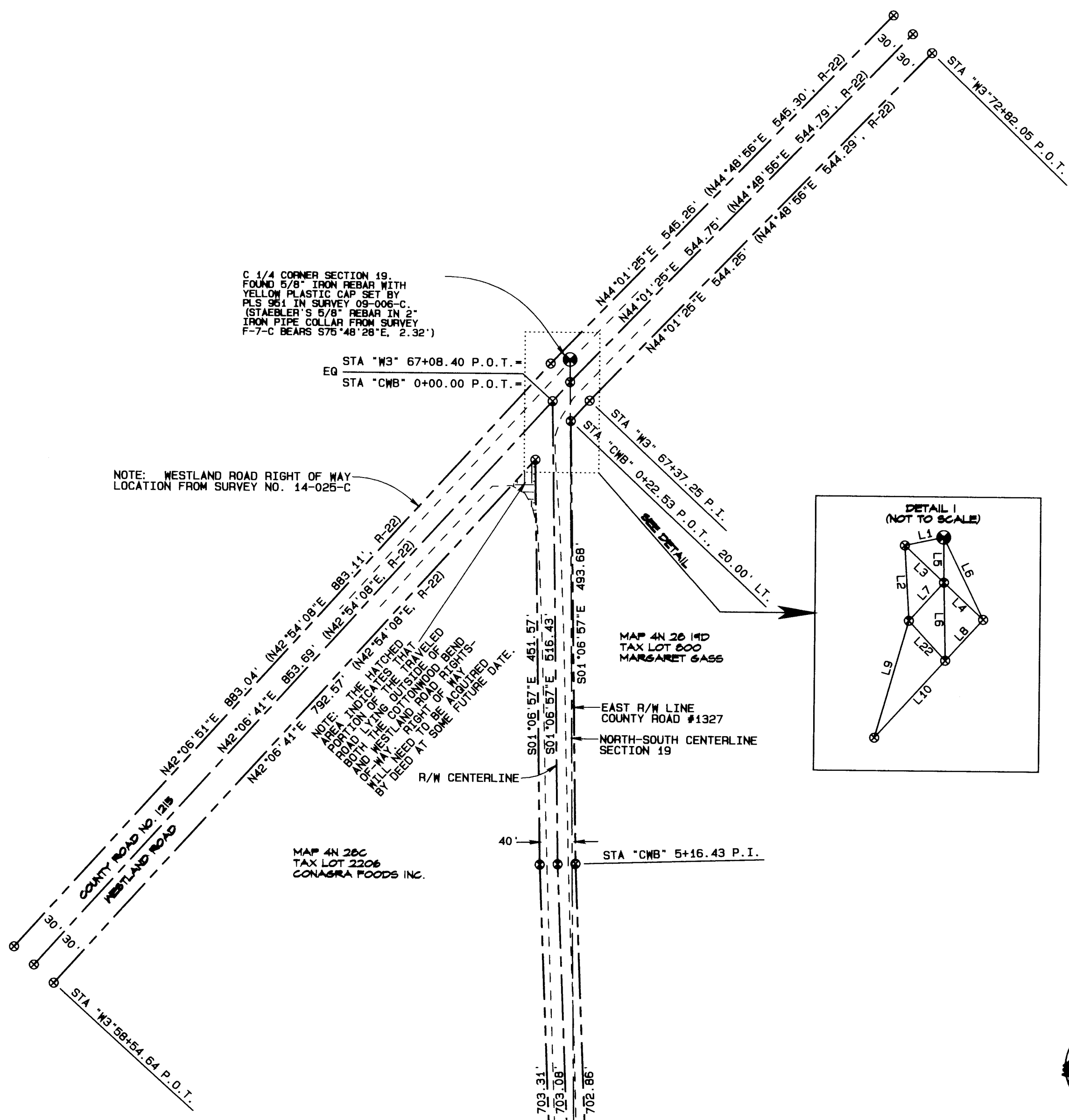


REGISTERED
PROFESSIONAL
LAND SURVEYOR
Day R. Robert
OREGON
JULY 20, 1993
GARY R. ROBERTS
2627
RENEWS 12/31/2018

RECEIVED BY
Umatilla County Surveyor
Date: 1/4/2017
Rec'd By: *[Signature]*
No.: 17-001-C

UMATILLA COUNTY ROAD DEPARTMENT
3420 WESTGATE
PENDLETON, OREGON 97801
PHONE 541/276-3424
HERMISTON AREA ROAD LEGALIZATION SURVEY
COUNTY ROAD NO. 1327, COTTONWOOD BEND ROAD
COUNTY ROAD NO. 1328, NORTHWEST LIVESTOCK ROAD
LOCATED IN SECTIONS 19, 30, AND 31
TOWNSHIP 4 NORTH, RANGE 28 E.M.M.
DATE OF SURVEY: NOVEMBER, 2016
INDEX SHEET

NORTHWEST LIVESTOCK ROAD AND COTTONWOOD BEND ROAD LEGALIZATION SURVEY



MEASURED BEARINGS AND DISTANCES ARE NAD '83(91) GRID
 ROTATE MEASURED BEARINGS SHOWN 0°48'04" CLOCKWISE TO OBTAIN TRUE BEARINGS
 MULTIPLY MEASURED DISTANCES SHOWN BY A COMBINED SCALE AND ELEVATION FACTOR OF 1.00008846 TO OBTAIN ARCING DISTANCE

- LEGEND**
- FOUND SECTION MONUMENT AS NOTED
 - FOUND MONUMENT AS NOTED
 - ⊙ CALCULATED POINT ONLY - NOTHING FOUND OR SET
 - R/W LINE
 - R/W CENTERLINE
 - CENTER-OF-SECTION LINE
 - EDGE OF TRAVELED ROAD

CURVE TABLE

CURVE NO.	DELTA	RADIUS	ARC LENGTH	CHORD BEARING	CHORD DISTANCE
C1	26°48'42"	506.43'	236.98'	S11°00'54"W	234.83'
C2	26°48'42"	526.43'	246.34'	S11°00'54"W	244.10'
C3	26°48'42"	546.43'	256.70'	S11°00'54"W	253.38'
C4	37°05'43"	773.34'	500.69'	S05°52'23"W	491.99'
C5	37°05'43"	753.34'	487.74'	S05°52'23"W	479.26'
C6	37°05'43"	733.34'	474.79'	S05°52'23"W	466.54'
C7	13°50'32"	968.57'	234.00'	S19°35'43"E	233.43'
C8	13°50'32"	988.57'	238.83'	S19°35'43"E	238.25'
C9	13°50'32"	1008.57'	243.66'	S19°35'43"E	243.07'

LINE TABLE

LINE NO.	BEARING	DISTANCE
L1	N77°44'47"E	22.17'
L2	S03°30'30"E	41.98'
L3	S46°55'57"E	30.00'
L4	S46°55'57"E	30.00'
L5	S00°34'50"E	25.20'
L6	S01°25'33"E	43.55'
L7	S42°06'41"W	28.86'
L8	S42°06'41"W	31.07'
L9	S15°58'02"W	68.08'
L10	S42°06'41"W	58.40'
L11	N89°22'44"E	11.28'
L12	N89°22'44"E	22.23'
L13	N89°22'44"E	22.23'
L14	S26°30'59"E	60.31'
L15	S26°30'59"E	70.02'
L16	S26°30'59"E	79.73'
L17	S12°40'28"E	59.31'
L18	S12°40'28"E	59.31'
L19	S12°40'28"E	59.31'
L20	S24°25'15"W	160.78'
L21	S24°25'15"W	160.78'
L22	S42°43'04"E	30.12'
L23	S24°25'15"W	160.78'
L45	N00°43'33"W	23.32'
L46	N00°43'33"W	45.97'
L47	N00°43'33"W	45.97'
L56	S26°30'59"E	141.29'
L57	S26°30'59"E	128.12'
L58	S26°30'59"E	77.03'
L59	S26°30'59"E	25.93'

SET HUB AND TACK, USED AS BASE STATION 2.
 NAD '83(91) STATE PLANE COORDINATES, OREGON NORTH ZONE 3601, INTERNATIONAL FEET: N782,746.41' E8,491,847.22'
 NAD '83(2011) STATE PLANE COORDINATES (OPUS) OREGON NORTH ZONE 3601, INTERNATIONAL FEET: N782,746.63' E8,491,847.30'

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

POINT DESCRIPTION	NORTHING	EASTING
C. 1/4 COR. SEC. 19 (EDWARDS 5/8" REBAR W/CAP)	784,836.21	8,492,019.70
"M3" 58+54.64 P.O.T., CL (CALCULATED)	784,156.31	8,491,428.14
"M3" 67+37.25 P.I., CL (CALCULATED)	784,811.04	8,492,019.95
"M3" 72+82.05 P.O.T., CL (CALCULATED)	785,202.72	8,492,398.53
EQ "M3" 67+08.40 P.O.T., CL EQUALS "CWB" 0+00.00 P.O.T., CL (CALCULATED)	784,789.61	8,492,000.60
"CWB" 5+16.43 P.I., CL (CALCULATED)	784,273.28	8,492,010.66
"CWB" 12+19.51 P.C., CL (CALCULATED)	783,570.80	8,492,039.99
MONUMENT "A" (EDWARDS 1/2" REBAR, SURVEY 88-51-A)	783,513.69	8,492,057.89
"CWB" 14+65.85 P.T., CL (CALCULATED)	783,331.20	8,491,993.35
"CWB" 16+26.63 P.C., CL (CALCULATED)	783,184.81	8,491,926.87
"CWB" 21+14.37 P.T., CL (CALCULATED)	782,708.05	8,491,877.83
"CWB" 21+73.68 P.C., CL (CALCULATED)	782,650.19	8,491,890.85
"CWB" 24+12.51 P.T., CL (CALCULATED)	782,425.74	8,491,970.75
N. 1/4 CORNER SECTION 30 (CALCULATED)	782,192.99	8,492,053.18
"CWB" 27+42.24 P.C., CL (CALCULATED)	782,130.70	8,492,117.96

REGISTERED PROFESSIONAL LAND SURVEYOR
Gary R. Roberts
 OREGON
 JULY 20, 1993
 GARY R. ROBERTS
 2627
 RENEWS 12/31/2018

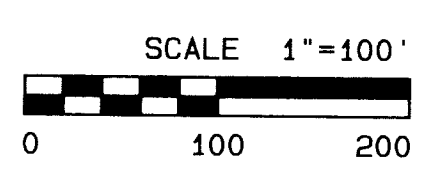
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 Date: 1/4/2017
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 No: 17-001-C

UMATILLA COUNTY ROAD DEPARTMENT
 9420 WESTGATE
 PENDLETON, OREGON 47601
 PHONE 541/276-5424

HERMISTON AREA ROAD LEGALIZATION SURVEY
 COUNTY ROAD NO. 1327, COTTONWOOD BEND ROAD
 COUNTY ROAD NO. 1328, NORTHWEST LIVESTOCK ROAD

LOCATED IN SECTIONS 19, 30, AND 31
 TOWNSHIP 4 NORTH, RANGE 28 E.M.M.

DATE OF SURVEY: NOVEMBER, 2016
 SHEET 1 OF 5



NORTHWEST LIVESTOCK ROAD AND COTTONWOOD BEND ROAD LEGALIZATION SURVEY

STATE PLANE COORDINATES

OREGON NORTH ZONE 3601 - NAD '83 ('91) - INTERNATIONAL FEET

POINT DESCRIPTION	NORTHING	EASTING
NORTH 1/4 CORNER SECTION 30 (CALCULATED)	782,192.99	8,492,053.18
EAST 1/16TH CORNER SECS. 19 & 30 (CALCULATED)	782,207.40	8,493,382.17
NORTHEAST 1/16TH CORNER SEC. 30 (CALCULATED)	780,883.37	8,493,397.22
NORTH 1/16TH COR. C-C SEC. 30 (CALCULATED)	780,870.07	8,492,070.32
CENTER 1/4 COR. SEC. 30 (CALCULATED)	779,547.15	8,492,087.47
C-E 1/16TH COR. SEC. 30 (WELLS 5/8" REBAR W/CAP)	779,059.29	8,493,412.27
MONUMENT "B" (WELLS 5/8" REBAR W/CAP)	780,294.44	8,493,403.90
MONUMENT "C" (5/8" REBAR, ORIGIN UNKNOWN)	780,223.53	8,493,409.35
MONUMENT "D" (EDWARDS 5/8" REBAR)	780,215.59	8,493,406.02

STATE PLANE COORDINATES (CONTINUED)

OREGON NORTH ZONE 3601 - NAD '83 ('91) - INTERNATIONAL FEET

POINT DESCRIPTION	NORTHING	EASTING
STA "CWB" 21+14.37 P.T., CL (CALCULATED)	782,708.06	8,491,877.83
STA "CWB" 21+73.68 P.C., CL (CALCULATED)	782,650.19	8,491,890.85
STA "CWB" 24+12.51 P.T., CL (CALCULATED)	782,425.74	8,491,970.75
STA "CWB" 27+42.24 P.C., CL (CALCULATED)	782,130.70	8,492,117.96
STA "CWB" 32+61.40 P.T., CL (CALCULATED)	781,691.09	8,492,392.63
STA "CWB" 32+97.79 P.C., CL (CALCULATED)	781,662.20	8,492,414.78
STA "CWB" 33+96.46 P.T., CL (CALCULATED)	781,687.57	8,492,479.24

STATE PLANE COORDINATES (CONTINUED)

OREGON NORTH ZONE 3601 - NAD '83 ('91) - INTERNATIONAL FEET

POINT DESCRIPTION	NORTHING	EASTING
STA "CWB" 35+61.92 P.I., CL (CALCULATED)	781,468.87	8,492,594.49
STA "CWB" 36+14.41 P.I., CL (CALCULATED)	781,418.57	8,492,609.52
STA "CWB" 36+73.98 P.C., CL (CALCULATED)	781,369.29	8,492,615.41
STA "CWB" 40+62.66 P.T., CL (CALCULATED)	781,001.92	8,492,755.44
STA "CWB" 41+62.04 P.C., CL (CALCULATED)	780,922.68	8,492,815.42
STA "CWB" 44+31.30 P.T., CL (CALCULATED)	780,723.89	8,492,996.47
STA "CWB" 45+90.91 P.C., CL (CALCULATED)	780,616.12	8,493,114.20
STA "CWB" 47+34.00 P.T., CL (CALCULATED)	780,532.33	8,493,229.81
STA "CWB" 48+54.76 P.C., CL (CALCULATED)	780,473.04	8,493,336.02
STA "CWB" 49+52.58 P.O.C., CL (CALCULATED)	780,404.18	8,493,402.67
STA "CWB" 50+36.79 P.T., CL (CALCULATED)	780,323.45	8,493,423.57
STA "CWB" 50+65.67 P.I., CL (CALCULATED)	780,294.57	8,493,423.90
STA "CWB" 50+65.67 P.I., 20.00' RT. (WELLS 5/8" REBAR W/CAP)	780,294.44	8,493,403.90
STA "CWB" 55+62.93 P.O.T., CL (CALCULATED)	779,797.32	8,493,427.28

CURVE TABLE

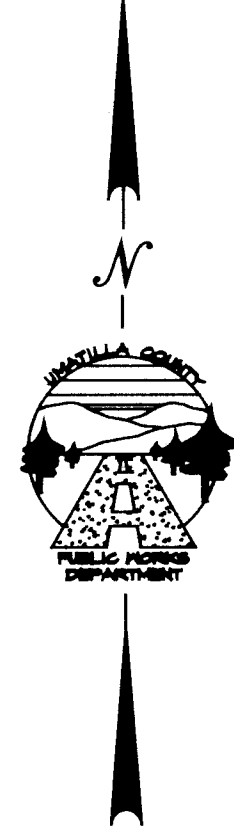
CURVE NO.	DELTA	RADIUS	ARC LENGTH	CHORD BEARING	CHORD DISTANCE
C7	13°50'32"	968.57'	234.00'	S19°35'43"E	233.43'
C8	13°50'32"	968.57'	238.83'	S19°35'43"E	238.26'
C9	13°50'32"	1008.57'	243.66'	S19°35'43"E	243.07'
C10	10°57'45"	2693.41'	515.33'	S31°59'51"E	514.95'
C11	10°57'45"	2713.41'	519.16'	S31°59'51"E	518.37'
C12	10°57'45"	2733.41'	522.99'	S31°59'51"E	522.19'
C13	06°40'31"	826.93'	96.34'	S40°48'59"E	96.29'
C14	06°40'31"	846.93'	98.67'	S40°48'59"E	98.62'
C15	06°40'31"	866.93'	101.00'	S40°48'59"E	100.95'
C16	31°26'59"	688.10'	377.70'	S21°23'50"E	372.98'
C17	31°26'59"	708.10'	388.68'	S21°23'50"E	383.82'
C18	31°26'59"	728.10'	399.66'	S21°23'50"E	394.66'
C19	02°12'15"	1482.25'	57.02'	S38°13'27"E	57.02'
C20	08°12'14"	1482.25'	212.24'	S43°25'42"E	212.06'
C21	10°24'29"	1482.25'	265.62'	S42°19'35"E	265.26'
C22	10°24'29"	1502.25'	272.89'	S42°19'35"E	272.52'
C23	13°04'04"	607.40'	138.53'	S54°03'51"E	138.23'
C24	13°04'04"	627.40'	143.09'	S54°03'51"E	142.78'
C25	13°04'04"	647.40'	147.66'	S54°03'51"E	147.34'
C26	59°56'49"	193.98'	202.95'	S30°37'28"E	193.82'
C27	59°56'49"	153.98'	161.10'	S30°29'26"E	153.86'
C28	32°12'52"	173.98'	97.82'	S44°35'58"E	96.54'
C29	27°43'57"	173.98'	84.21'	S14°31'03"E	83.39'

LINE TABLE

LINE NO.	BEARING	DISTANCE
L11	N89°22'44"E	11.28'
L12	N89°22'44"E	22.23'
L13	N89°22'44"E	22.23'
L14	S26°30'59"E	60.31'
L15	S26°30'59"E	70.02'
L16	S26°30'59"E	79.73'
L17	S12°40'28"E	59.31'
L18	S12°40'28"E	59.31'
L19	S12°40'28"E	59.31'
L24	S37°28'44"E	36.40'
L25	S37°28'44"E	36.40'
L26	S37°28'44"E	36.40'
L27	S44°09'15"E	170.36'
L28	S44°09'15"E	165.46'
L29	S44°09'15"E	160.56'
L30	S16°38'19"E	59.31'
L31	S16°38'19"E	52.50'
L32	S16°38'19"E	45.68'
L33	S05°40'21"E	61.49'
L34	S05°40'21"E	59.57'
L35	S05°40'21"E	57.65'
L36	S37°07'20"E	99.38'
L37	S37°07'20"E	99.38'
L38	S37°07'20"E	99.38'
L39	S47°31'49"E	159.61'
L40	S47°31'49"E	159.61'
L41	S47°31'49"E	159.61'
L42	S60°35'53"E	120.76'
L43	S60°35'53"E	120.76'
L44	S60°35'53"E	120.76'
L45	N00°43'33"E	23.32'
L46	N00°43'33"E	45.97'
L47	N00°43'33"E	45.97'
L56	S26°30'59"E	141.29'
L57	S26°30'59"E	128.12'
L58	S26°30'59"E	77.03'
L59	S26°30'59"E	25.93'
L81	S00°39'04"E	28.79'
L82	S00°39'04"E	28.88'
L83	S00°39'04"E	28.97'

LEGEND

- FOUND MONUMENT AS NOTED
- ⊙ CALCULATED POINT ONLY - NOTHING FOUND OR SET
- ⊙ POWER POLE
- GUY WIRE AND ANCHOR
- TELEPHONE PEDESTAL
- R/W LINE
- R/W CENTERLINE
- CENTER-OF-SECTION LINE
- 1/16TH LINE
- EDGE OF TRAVELED ROAD



MEASURED BEARINGS AND DISTANCES ARE NAD '83 ('91) GRID
 ROTATE MEASURED BEARINGS SHOWN 0°40'04" CLOCKWISE TO OBTAIN TRUE BEARINGS
 MULTIPLY MEASURED DISTANCES SHOWN BY A COMBINED SCALE AND ELEVATION FACTOR OF 1.00000646 TO OBTAIN GROUND DISTANCE

UMATILLA COUNTY ROAD DEPARTMENT
 5120 MESTGATE
 PENDLETON, OREGON 97601
 PHONE 541/270-5424

HERMISTON AREA ROAD LEGALIZATION SURVEY
 COUNTY ROAD NO. 1327, COTTONWOOD BEND ROAD
 COUNTY ROAD NO. 1328, NORTHWEST LIVESTOCK ROAD
 LOCATED IN SECTIONS 19, 30, AND 31
 TOWNSHIP 4 NORTH, RANGE 28 E.W.M.
 DATE OF SURVEY: NOVEMBER, 2016
 SHEET 2 OF 5

REGISTERED PROFESSIONAL LAND SURVEYOR
Dary R. Roberts
 OREGON
 JULY 20, 1993
 GARY R. ROBERTS
 2627
 RENEWS 12/31/2018

RECEIVED BY
 Umatilla County Surveyor
 Date: 1/11/2017
 Road By: *D.R. Roberts*
 File: 17-001-C

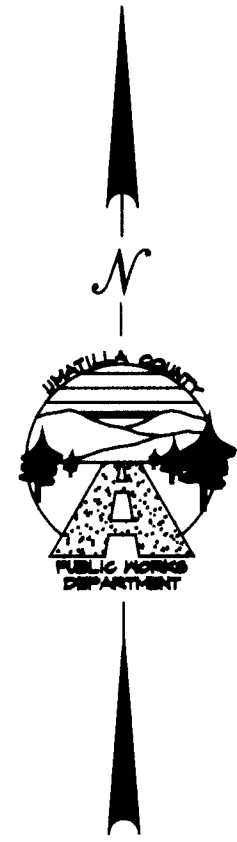
MAP 4N 28 30
 TAX LOT 1100
 LIBERATED L&E, LLC.

MAP 4N 28 30
 TAX LOT 1500
 HENRY & PAUL STRAND

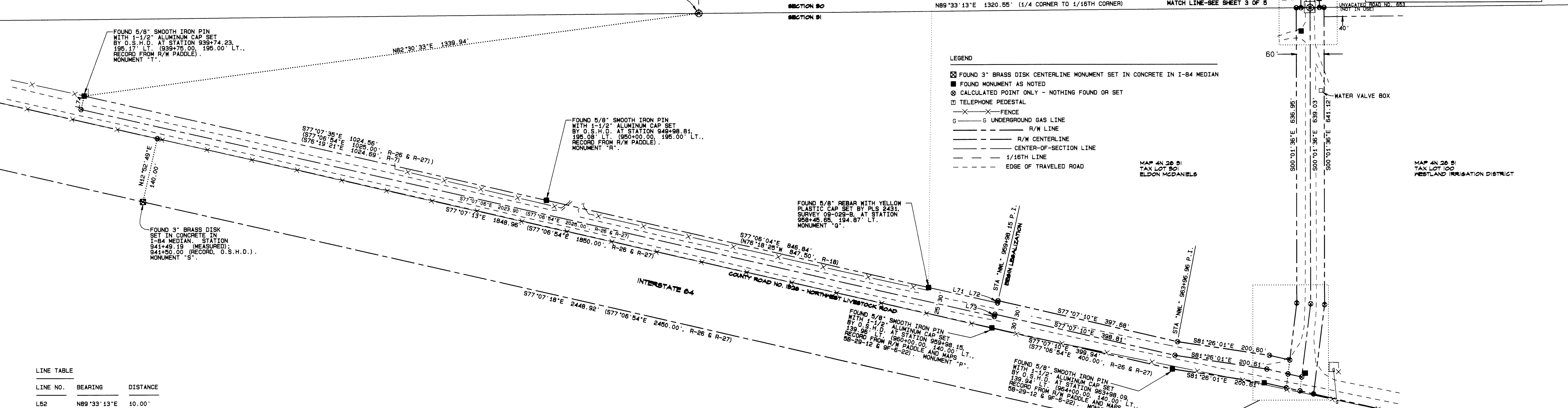
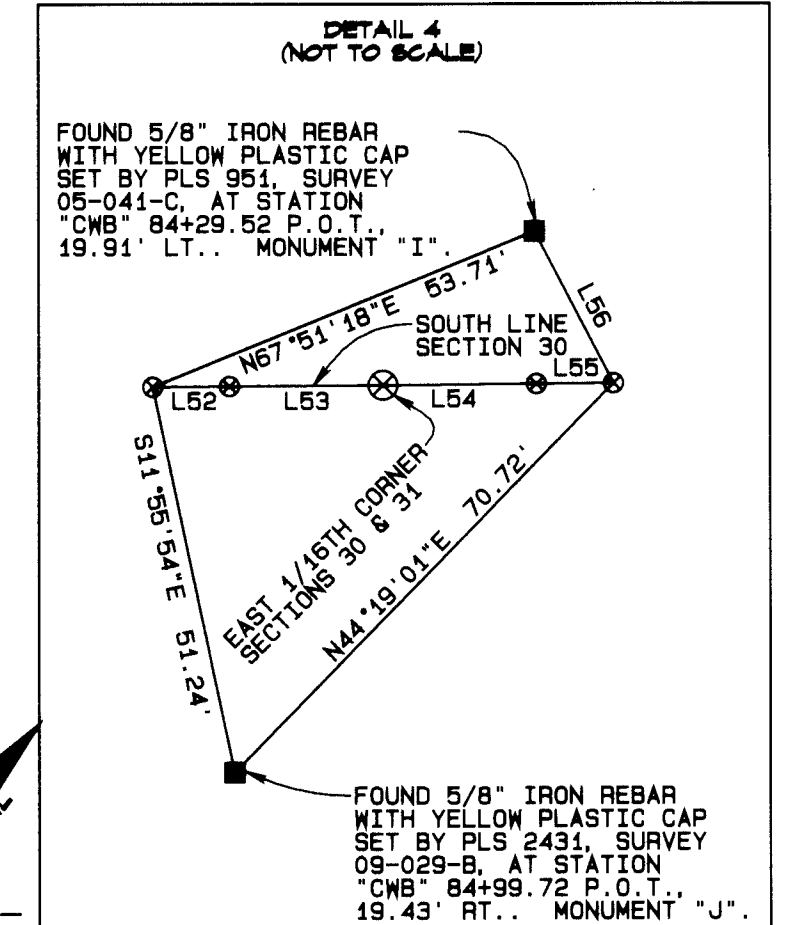
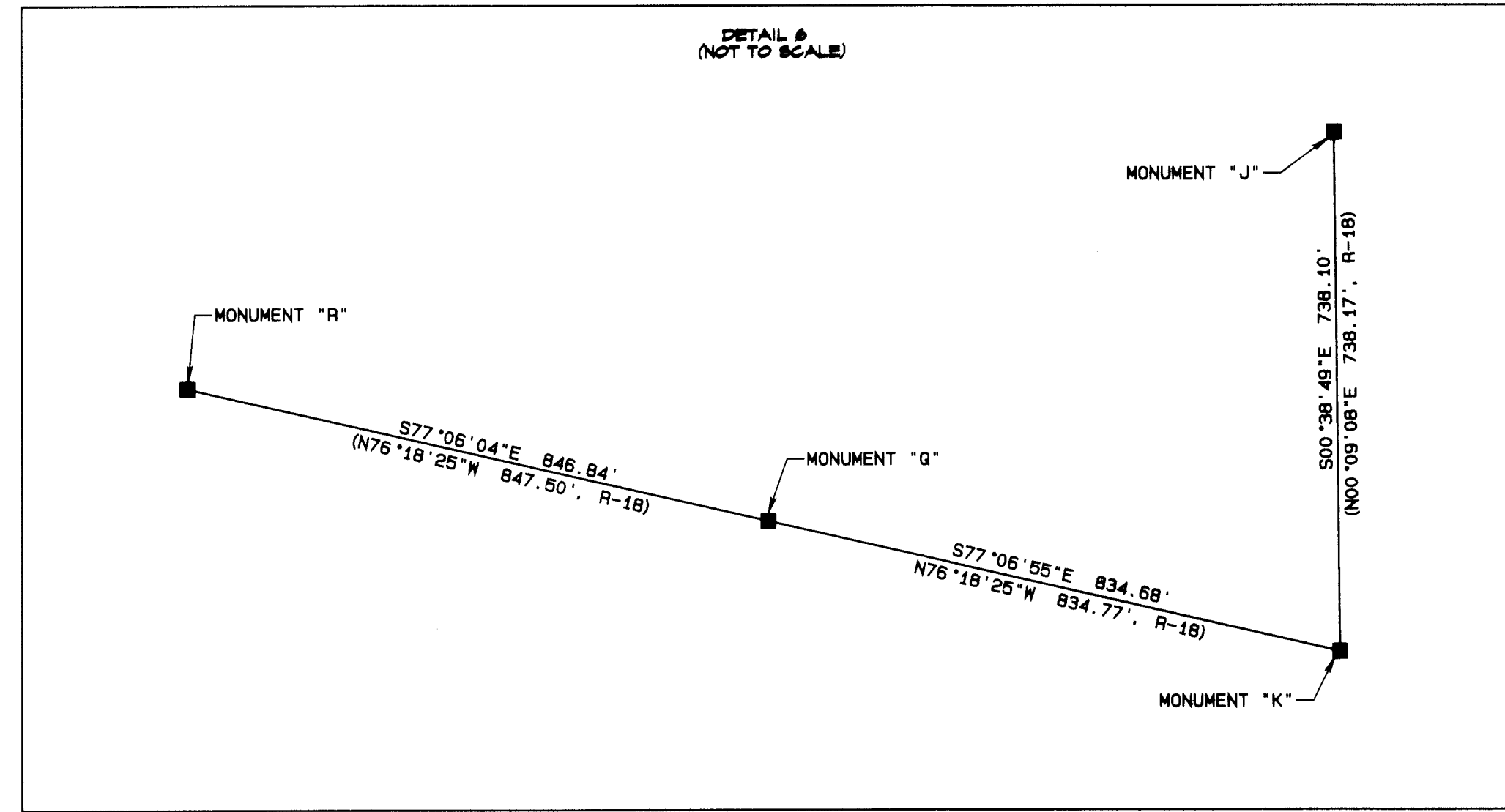
MAP 4N 28 30
 TAX LOT 1500
 HENRY & PAUL STRAND

MAP 4N 28 30
 TAX LOT 1500
 HENRY & PAUL STRAND

NORTHWEST LIVESTOCK ROAD AND COTTONWOOD BEND ROAD LEGALIZATION SURVEY

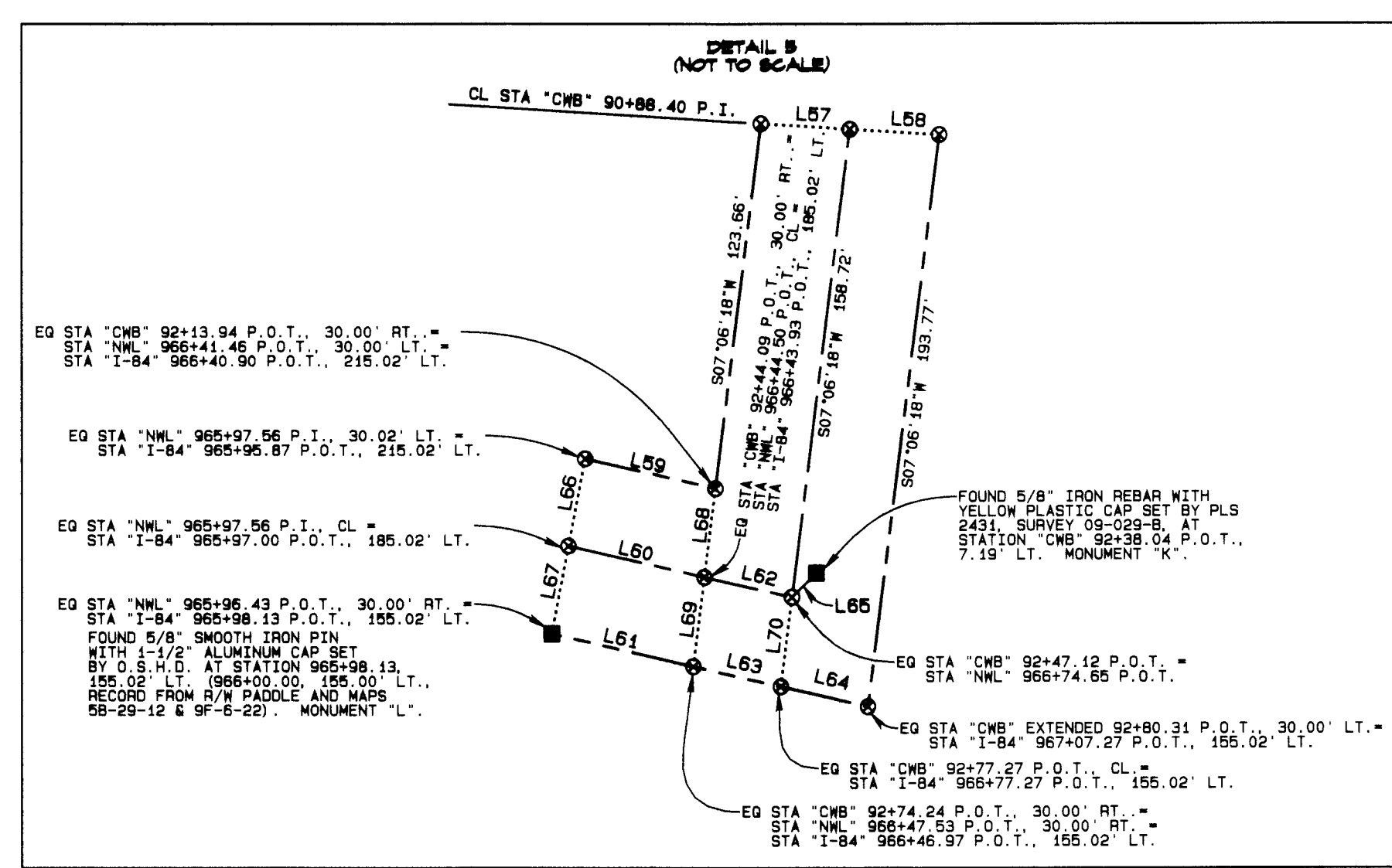


MEASURED BEARINGS AND DISTANCES ARE NAD '83(N) GRID
 ROTATE MEASURED BEARINGS SHOWN 0°46'04" CLOCKWISE TO OBTAIN TRUE BEARINGS
 MULTIPLY MEASURED DISTANCES SHOWN BY A COMBINED SCALE AND ELEVATION FACTOR OF 1.00006646 TO OBTAIN GROUND DISTANCE



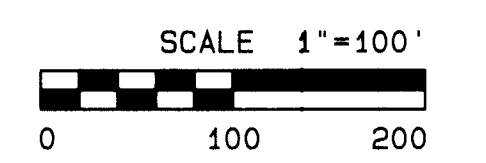
LINE NO.	BEARING	DISTANCE
L52	N89°33'13"E	10.00'
L53	N89°33'13"E	20.00'
L54	N89°33'13"E	20.00'
L55	N89°33'13"E	10.00'
L56	S27°24'13"E	22.28'
L57	S86°27'39"E	30.06'
L58	S86°27'39"E	30.06'
L59	S77°07'21"E	45.03'
L60	S77°07'21"E	46.93'
L61	S77°07'21"E	48.84'
L62	S77°07'21"E	30.15'
L63	S77°07'21"E	30.15'
L64	S77°07'21"E	30.15'
L65	S45°29'31"W	11.58'
L66	S10°43'19"W	30.02'
L67	S10°43'19"W	30.02'
L68	S07°06'19"W	30.15'
L69	S07°06'19"W	30.15'
L70	S07°06'19"W	30.15'
L71	S77°08'10"E (N76°18'25"W	152.50' 152.50', R-18)
L72	S12°52'42"W	5.00'
L73	S12°52'42"W	5.00'
L74	S12°52'25"W	30.02'

POINT DESCRIPTION	NORTHING	EASTING
EAST 1/16TH COR. SECS 30 & 31 (CALCULATED)	776,910.94	8,493,442.27
SOUTH 1/4 COR. SEC. 30 (CALCULATED)	776,900.65	8,492,121.76
MONUMENT "H" (LEWIS REBAR W/CAP)	777,490.54	8,493,415.61
MONUMENT "I" (EDWARDS REBAR W/CAP)	776,930.95	8,493,462.02
MONUMENT "J" (MCKINNIS REBAR W/CAP)	776,860.57	8,493,422.87
MONUMENT "K" (MCKINNIS REBAR W/CAP)	776,122.53	8,493,431.20
MONUMENT "L" (OSHD SMOOTH IRON PIN W/CAP)	776,102.09	8,493,342.21
MONUMENT "M" (OSHD 3" BRASS DISK IN CONCRETE)	776,950.75	8,493,307.63
MONUMENT "O" (OSHD SMOOTH IRON PIN W/CAP)	776,131.97	8,493,143.84
MONUMENT "P" (OSHD SMOOTH IRON PIN W/CAP)	776,221.12	8,492,753.96
MONUMENT "Q" (MCKINNIS REBAR W/CAP)	776,308.65	8,492,617.54
MONUMENT "R" (OSHD SMOOTH IRON PIN W/CAP)	776,497.69	8,491,792.06
MONUMENT "S" (OSHD 3" BRASS DISK IN CONCRETE)	776,496.79	8,490,920.32
MONUMENT "T" (OSHD SMOOTH IRON PIN W/CAP)	776,725.97	8,490,793.26
STA "CWB" 92+47.12 P.O.T., CL (CALCULATED)	776,114.41	8,493,422.94
STA "NWL" 965+97.56 P.I., CL (CALCULATED)	776,131.59	8,493,347.79
STA "NWL" 963+96.96 P.I., CL (CALCULATED)	776,161.47	8,493,149.42
STA "NWL" 959+98.15 P.O.T., CL (CALCULATED)	776,250.37	8,492,760.65



FOR SURVEY RECORDS AND SECTION LINE DETAILS, SEE INDEX SHEET;
 FOR SURVEY NARRATIVE, SEE SHEET 5

RECEIVED BY
 Umatilla County Surveyor
 Date: 1/4/2017
 Rec'd By: [Signature]
 No: 17-001-C



REGISTERED
 PROFESSIONAL
 LAND SURVEYOR
 GARY R. ROBERTS
 2627
 RENEWS 12/31/2018

UMATILLA COUNTY ROAD DEPARTMENT
 3420 WESTGATE
 PENDLETON, OREGON 97001
 PHONE 541/278-3424
 HERMISTON AREA ROAD LEGALIZATION SURVEY
 COUNTY ROAD NO. 1327, COTTONWOOD BEND ROAD
 COUNTY ROAD NO. 1328, NORTHWEST LIVESTOCK ROAD
 LOCATED IN SECTIONS 19, 30, AND 31
 TOWNSHIP 4 NORTH, RANGE 26 E.N.W.
 DATE OF SURVEY: NOVEMBER, 2016
 SHEET 4 OF 5

NORTHWEST LIVESTOCK ROAD AND COTTONWOOD BEND ROAD LEGALIZATION SURVEY

SURVEY NARRATIVE

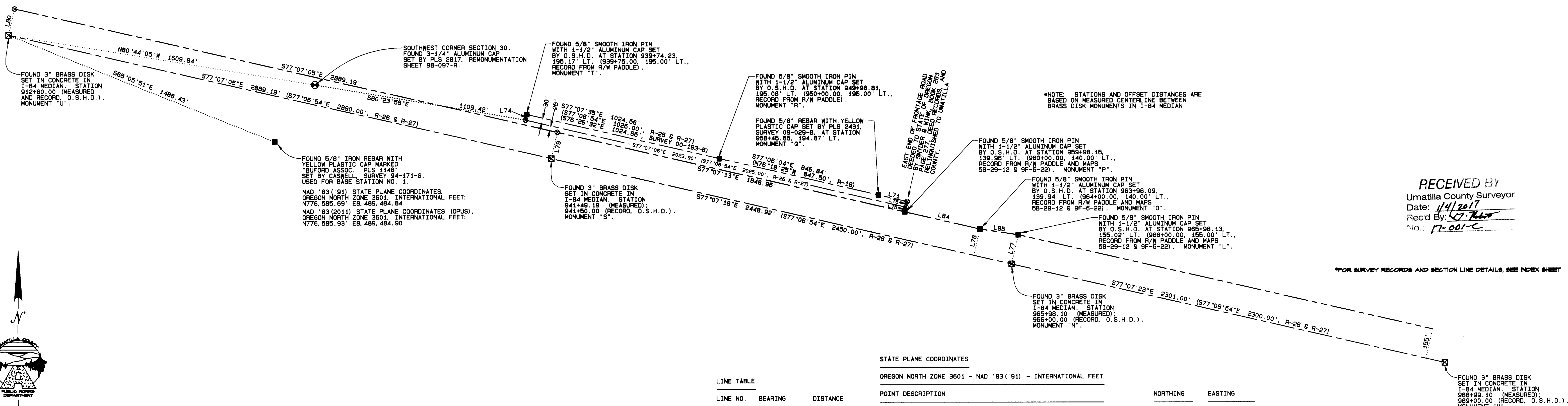
THE PURPOSE OF THIS SURVEY WAS TO MONUMENT PORTIONS OF COUNTY ROAD NO. 1327, COTTONWOOD BEND ROAD, AND COUNTY ROAD NO. 1328, NORTHWEST LIVESTOCK ROAD FOR LEGALIZATION PURPOSES AFTER FINDING THAT THE LOCATIONS OF THE ROADS EITHER DO NOT MATCH EXISTING ROAD RECORDS OR RIGHT OF WAY INFORMATION IS MISSING ENTIRELY.

THE WEST END OF THE PORTION OF NORTHWEST LIVESTOCK ROAD THAT IS THE SUBJECT OF THIS LEGALIZATION PROCEEDING IS THE EAST END OF THE FRONTAGE ROAD DEEDED TO THE OREGON STATE HIGHWAY DIVISION BY SNOYDER AND WINK, BOOK 283, PAGE 277, DEED RECORDS. IT WAS LATER RELINQUISHED TO UMATILLA COUNTY. FROM THE EAST END OF THIS FRONTAGE ROAD SOUTHEASTERLY ALONG THE NORTH SIDE OF INTERSTATE 84 TO COTTONWOOD BEND ROAD, NO LEGAL RIGHT OF WAY EXISTS. AN ATTEMPT WAS MADE TO DEDICATE A STRIP OF LAND 66 FEET IN WIDTH (MATCHING THAT OF THE EXISTING FRONTAGE ROAD) IN 2008 (SEE BOUNDARY LINE ADJUSTMENT APPLICATION RECORDED IN REEL 537, PAGE 76, DEED RECORDS) BUT NO FORMAL DEED OR DEDICATION WAS EVER RECORDED OR ACCEPTED BY UMATILLA COUNTY. THERE IS ALSO AN ERROR IN THE SURVEY FROM WHICH THE DESCRIPTION ON THE BOUNDARY LINE ADJUSTMENT WAS MADE, AS AN ANGLE POINT IN THE NORTHERLY RIGHT OF WAY LINE OF INTERSTATE 84 WAS OVERLOOKED. THERE IS ALSO NO LEGAL RIGHT OF WAY FOR COTTONWOOD BEND ROAD FROM ITS INTERSECTION WITH NORTHWEST LIVESTOCK ROAD NORTH TO THE BRIDGE OVER THE WESTLAND IRRIGATION DISTRICT CANAL (THE EAST 1/16TH CORNER COMMON TO SECTIONS 30 AND 31). BOTH PORTIONS OF THESE ROADS WERE MONUMENTED AT A WIDTH OF 60 FEET IN ANTICIPATION OF LEGALIZING THEM AT THAT WIDTH (SEE ORS 368.206, ORS 368.036, AND UMATILLA COUNTY DEVELOPMENT CODES CHAPTER 152.684).

COTTONWOOD BEND ROAD FROM ITS INTERSECTION WITH THE WESTLAND IRRIGATION DISTRICT CANAL NORTH TO WESTLAND ROAD IS A PORTION OF COUNTY ROAD NO. 663, ESTABLISHED IN 1908. THE ROAD RAN WEST BETWEEN SECTIONS 30 AND 31 TO THE EAST 1/16TH CORNER COMMON TO THE TWO SECTIONS (ANGLE POINT 13) AND THEN TURNED AND RAN NORTH ALONG THE CENTERLINE OF THE EAST 1/2 OF SECTION 30 TO A POINT IN THE NORTHEAST 1/4 OF THE SECTION (ANGLE POINT 14), THEN TURNED NORTHWEST AND RAN TO A POINT ON THE NORTH-SOUTH CENTERLINE OF SECTION 30 (ANGLE POINT 15). IT THEN CONTINUED NORTH ALONG THE NORTH-SOUTH CENTERLINES OF SECTION 30 AND 19 TO A POINT NEAR THE UMATILLA RIVER IN SECTION 19 (ANGLE POINT 16) WHERE IT TURNED NORTHWEST TO ANGLE POINT 17 AND THEN NORTHEAST, ROUGHLY FOLLOWING THE BEND IN THE RIVER, TO A POINT BACK ON THE NORTH-SOUTH CENTERLINE OF SECTION 19 (ANGLE POINT 18) WHERE IT CONTINUED NORTH ALONG THE NORTH-SOUTH CENTERLINE OF THE SECTION. ANGLE POINT 14 IS APPROXIMATELY 230 FEET FROM WHERE THE ROAD TURNS TO THE NORTHWEST NOW. ANGLE POINT 15 IS APPROXIMATELY 600 FEET FROM THE CENTER OF THE EXISTING ROAD. ANGLE POINTS 16, 17, AND 18 ARE CLOSE TO THE EXISTING ROAD CENTERLINE. IN 1915 AN ATTEMPT WAS MADE TO REALIGN A PORTION OF ROAD NO. 663 IN SECTION 30 BY VACATING A PORTION OF IT AND ESTABLISHING A NEW ROAD, ROAD NO. 775. BETWEEN THE VACATED POINTS, THE NORTH END OF ROAD 775 IS APPROXIMATELY 230 FEET FROM THE EXISTING CENTERLINE. THE SOUTH END OF ROAD 775 IS APPROXIMATELY 400 FEET FROM THE EXISTING CENTERLINE. IT APPEARS COTTONWOOD BEND ROAD HAS BEEN REALIGNED SOME TIME AFTER 1915, BUT NO RECORDS OF THIS HAPPENING EXIST. THE ROAD WAS MONUMENTED IN THIS SURVEY AT A WIDTH OF 40 FEET. THE WIDTH OF ROAD 663, ANOTHER ISSUE WITH THIS PORTION OF THE ROAD IS THAT THE NORTH-SOUTH PORTIONS OF THE TRAVELED ROAD VARY FROM THE RECORD LOCATION ENOUGH THAT HOLDING THE PHYSICAL CENTERLINE LOCATION AND OFFSETTING 20 FEET EACH DIRECTION WOULD CREATE A GAP BETWEEN THE RIGHT OF WAY LINE AND TAX LOT 800 IN SECTION 19 AND TAX LOTS 600 AND 1100 IN SECTION 30. HOLDING THE RECORD CENTERLINE LOCATION AND OFFSETTING 20 FEET EACH DIRECTION WOULD CAUSE PORTIONS OF THE TRAVELED ROAD TO LIE OUTSIDE THE RIGHT OF WAY. LEGALIZING THE ROAD AS MONUMENTED IN THIS SURVEY WOULD CONTAIN THE TRAVELED ROAD WITHIN THE RIGHT OF WAY AND ELIMINATE ANY GAP PROBLEMS.

EQUIPMENT USED IN THIS SURVEY WAS A LEICA VIVA RTK GPS SYSTEM. A 5/8" REBAR WITH YELLOW PLASTIC CAP NAMED "STATION 0614" SET IN THE SOUTHWEST QUADRANT OF THE INTERSTATE 84/WESTLAND ROAD INTERCHANGE BY WALTER CASWELL (SURVEY 94-171-6) WAS USED AS ONE BASE STATION AND A HUB AND TACK SET NEAR THE NORTH END OF THE PROJECT WAS USED AS A SECOND BASE STATION. THE POSITION OF THE HUB AND TACK WAS MEASURED FROM STATION 0614 AND CHECKED BY OBTAINING NAD '83(2011) OPUS SOLUTIONS FOR BOTH THE HUB AND TACK AND STATION 0614. COORDINATE VALUES SHOWN ON THIS MAP ARE NAD '83('91) AND WERE OBTAINED FROM THE PUBLISHED COORDINATES FOR STATION 0614. TO OBTAIN NAD '83(2011) COORDINATES, SHIFT NAD '83('91) COORDINATES SHOWN 0.23' NORTH AND 0.07' EAST. THE RIGHT OF WAY WILL BE MONUMENTED UPON COMPLETION OF THE LEGALIZATION PROCEEDING IN FEBRUARY, 2017.

INTERSTATE 84 R/W DETAIL



RECEIVED BY
Umatilla County Surveyor
Date: 11/1/2017
Rec'd By: [Signature]
No.: 17-001-C

LINE NO.	BEARING	DISTANCE
L71	S77°09'10"E (N76°18'25"W)	152.50' 152.50', R-18)
L74	S12°52'25"W	30.02'
L75	S12°52'42"W	25.00'
L76	S12°52'42"W	30.00'
L77	S12°53'15"W	155.02'
L78	S12°52'49"W	139.94'
L79	S12°52'49"W	140.00'
L80	S12°52'49"W	140.00'
L84	S77°07'10"E	399.94'
L85	S81°26'01"E	200.61'

STATE PLANE COORDINATES		
OREGON NORTH ZONE 3601 - NAD '83('91) - INTERNATIONAL FEET		
POINT DESCRIPTION	NORTHING	EASTING
SOUTHWEST COR. SEC. 30 (MAGNER 3-1/4" ALUMINUM CAP)	776,881.73	8,489,692.69
MONUMENT "L" (OSHD SMOOTH IRON PIN W/CAP)	776,102.09	8,493,342.21
MONUMENT "M" (OSHD 3" BRASS DISK IN CONCRETE)	775,438.17	8,495,550.76
MONUMENT "N" (OSHD 3" BRASS DISK IN CONCRETE)	775,950.75	8,493,307.63
MONUMENT "O" (OSHD SMOOTH IRON PIN W/CAP)	776,131.97	8,493,143.84
MONUMENT "P" (OSHD SMOOTH IRON PIN W/CAP)	776,221.12	8,492,753.96
MONUMENT "Q" (MCKINNIS REBAR W/CAP)	776,308.65	8,492,617.54
MONUMENT "R" (OSHD SMOOTH IRON PIN W/CAP)	776,497.69	8,491,792.06
MONUMENT "S" (OSHD 3" BRASS DISK IN CONCRETE)	776,498.79	8,490,920.32
MONUMENT "T" (OSHD SMOOTH IRON PIN W/CAP)	776,725.97	8,490,793.26
MONUMENT "U" (OSHD 3" BRASS DISK IN CONCRETE)	777,140.92	8,488,103.65

LEGEND

- FOUND SECTION MONUMENT AS NOTED
- FOUND 3" BRASS DISK CENTERLINE MONUMENT SET IN CONCRETE IN I-84 MEDIAN
- FOUND MONUMENT AS NOTED
- CALCULATED POINT ONLY - NOTHING FOUND OR SET
- R/W LINE
- - - R/W CENTERLINE

SCALE 1"=250'

0 250 500

MEASURED BEARINGS AND DISTANCES ARE NAD '83('91) GRID

ROTATE MEASURED BEARINGS SHOWN 0°48'04" CLOCKWISE TO OBTAIN TRUE BEARINGS

MULTIPLY MEASURED DISTANCES SHOWN BY A COMBINED SCALE AND ELEVATION FACTOR OF 1.00008846 TO OBTAIN GROUND DISTANCE

UMATILLA COUNTY ROAD DEPARTMENT
9120 WESTGATE
PENDLETON, OREGON 97601
PHONE 341/276-5424

REGISTERED PROFESSIONAL LAND SURVEYOR

GARY R. ROBERTS
JULY 20, 1993
2627
RENEWS 12/31/2018

HERMISTON AREA ROAD LEGALIZATION SURVEY

COUNTY ROAD NO. 1327, COTTONWOOD BEND ROAD
COUNTY ROAD NO. 1328, NORTHWEST LIVESTOCK ROAD

LOCATED IN SECTIONS 19, 30, AND 31
TOWNSHIP 4 NORTH, RANGE 28 E.W.M.

DATE OF SURVEY: NOVEMBER, 2016

SHEET 5 OF 5