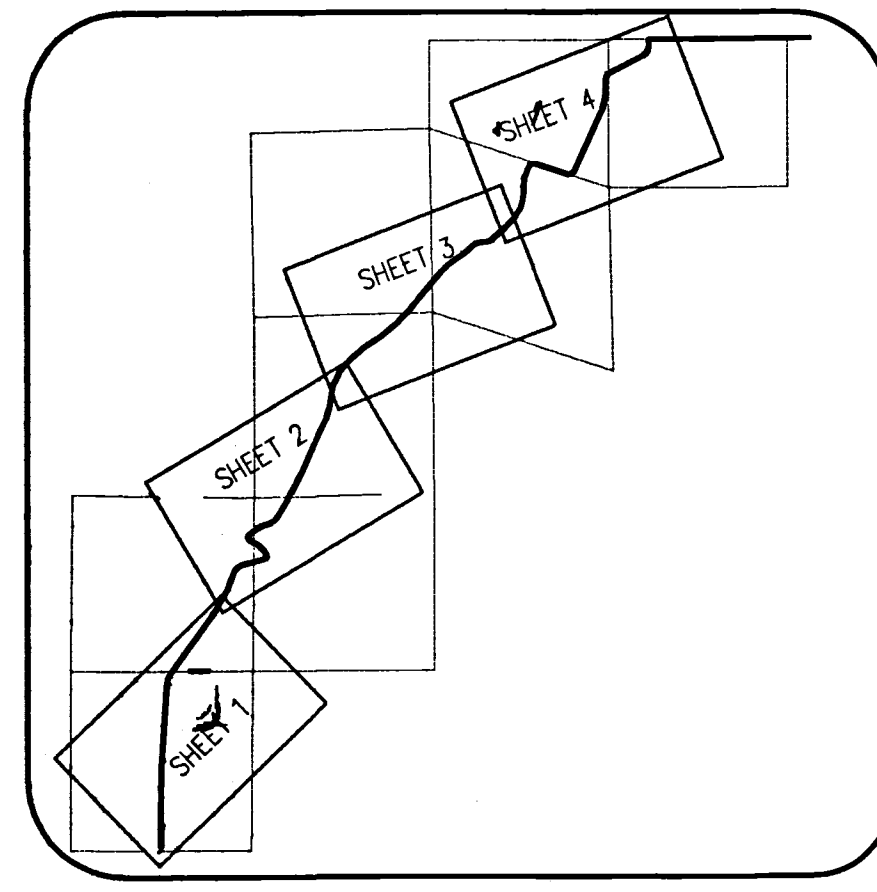


VICINITY MAP
NOT TO SCALE



INDEX MAP
NOT TO SCALE

RECORD OF SURVEY
COUNTY ROAD NO. 717 LEGALIZATION SURVEY
BUTLER GRADE ROAD

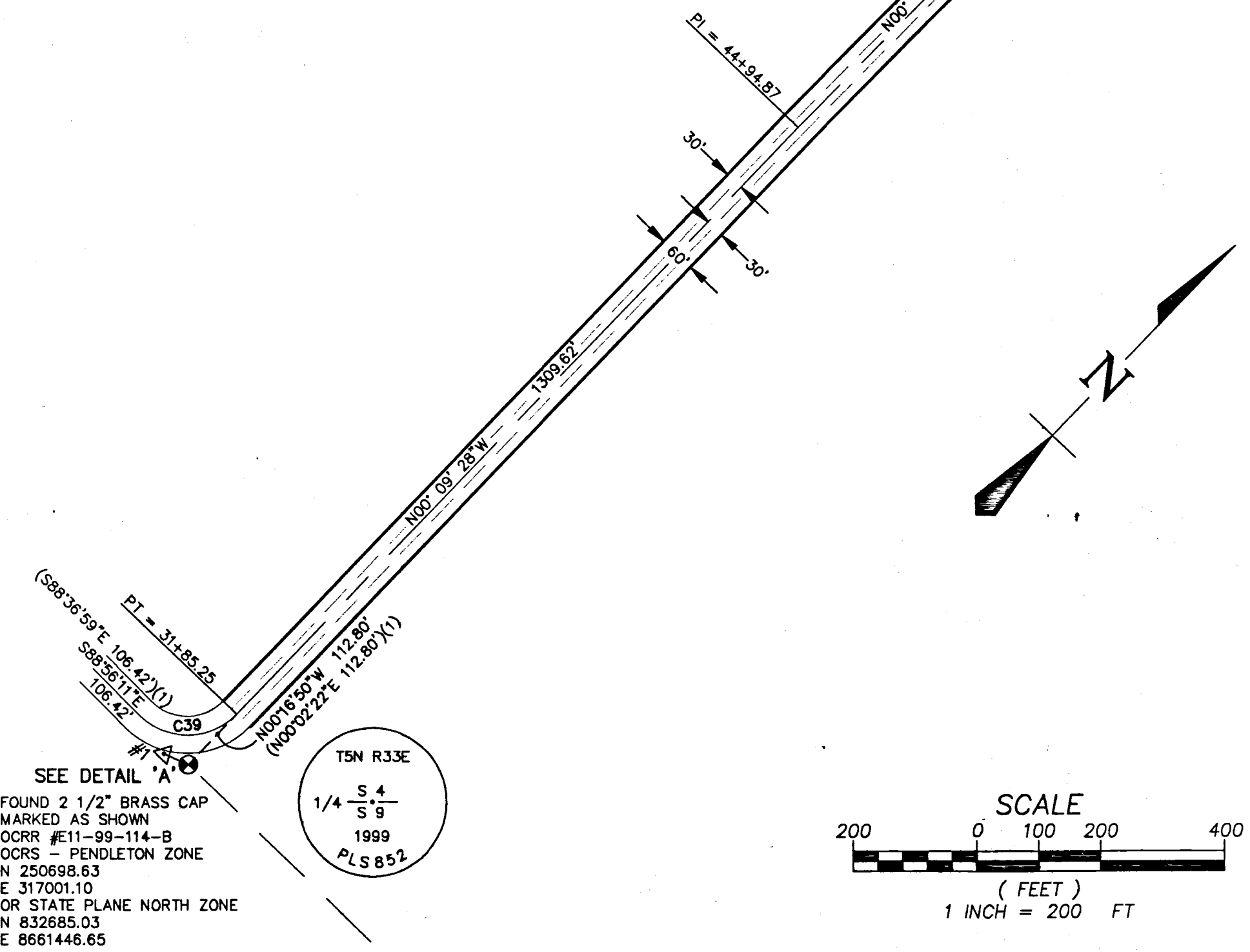
NARRATIVE:
THIS SURVEY IS FOR THE UMATILLA COUNTY ROAD DEPARTMENT. THE PURPOSE OF THIS SURVEY TO LOCATE A PORTION OF BUTLER GRADE ROAD, COUNTY ROAD NO. 717, FOR LEGALIZATION PURPOSES. THE EXISTING ROAD LOCATION DOES NOT FIT WITH THE ORIGINAL ROAD NOTES (ROAD NO. 112, CIRCA 1881) AND THIS SURVEY IS MEANT TO ESTABLISH THE ROAD LOCATION AS IT HAS BEEN BUILT AND USED FOR MANY YEARS.

THE BASIS OF BEARING IS THE OREGON COORDINATE REFERENCE SYSTEM (OCRS) AS ESTABLISHED BY THE OREGON DEPARTMENT OF TRANSPORTATION, OCRS - PENDLETON ZONE.

THIS SURVEY WAS COMPLETED USING A LEICA GS14 GPS RECEIVER OPERATING ON THE OREGON REAL-TIME GNSS NETWORK (ORGN) AND THE COORDINATES, BEARINGS AND DISTANCES ARE BASED ON THE OCRS - PENDLETON ZONE.

OCRS - PENDLETON ZONE:
TRANSVERSE MERCATOR PROJECTION
NORTH AMERICAN DATUM OF 1983
LATITUDE OF ORIGIN: 45°15'00" N
CENTRAL MERIDIAN: 119°10'00" W
FALSE NORTHING: 0.000m
FALSE EASTING: 60 000.000m
CENTRAL MERIDIAN SCALE: 1.000 045 (EXACT)

OREGON STATE PLANE COORDINATE SYSTEM OF 1983 NORTH ZONE:
NORTH AMERICAN DATUM OF 1983
REFERENCE ELLIPSOID: GEODETIC REFERENCE SYSTEM OF 1980
PROJECTION: LAMBERT CONFORMAL CONIC (TWO STANDARD PARALLEL - SECANT)
CENTRAL MERIDIAN: 120°30' WEST
LATITUDE OF ORIGIN: 43°40' NORTH
STANDARD PARALLEL (SOUTH): 44°20' NORTH
STANDARD PARALLEL (NORTH): 46°00' NORTH
FALSE NORTHING: 0.000 METERS
FALSE EASTING: 2 500 000.000 METERS
ONE INTERNATIONAL FOOT = 0.3048 METERS EXACTLY



- REFERENCES:**
- (1) SURVEY #04-097-C, UMATILLA COUNTY ROAD DEPARTMENT - COUNTY ROAD NO. 717 LEGALIZATION SURVEY BUTLER GRADE ROAD, BY GARY R. ROBERTS, PLS 2627, DATED MAY 2004.
 - (2) SURVEY #09-061-B, SURVEY FOR PARTITION, BY PAUL W.P. TOMKINS, PLS 2360, DATED APRIL 4, 2009.
 - (3) PARTITION PLAT NO. 1995-42, BY RONALD L. MUNNS, PLS 1059, RECORDED DECEMBER 28, 1995.
 - (4) SURVEY #C-014-C, FOR E.C. BURLINGAME LANDS, BY STANLEY G. WALLUIS, DATED JANUARY 21, 1966.
 - (5) PARTITION PLAT NO. 2004-11, BY WILLIAM R. WELLS, PLS 1106, RECORDED APRIL 5, 2004.

- LEGEND**
- CENTERLINE OF GRAVEL ROAD
 - - - EDGE OF GRAVEL ROAD
 - - - PROPOSED RIGHT OF WAY
 - △ SET 5/8"x36" REBAR WITH RED PLASTIC CAP MARKED "CONTROL"
 - FOUND 5/8" REBAR WITH YELLOW PLASTIC CAP MARKED "UCP WD 2627"
 - FOUND 5/8" REBAR WITH 2" ALUMINUM CAP MARKED "ORLS 852 WALS 852"
 - FOUND 5/8" REBAR WITH YELLOW PLASTIC CAP MARKED "USKH 02820LS" REF#2
 - FOUND MONUMENT AS NOTED
 - FOUND BRASS CAP SECTION CORNER / QUARTER CORNER AS SHOWN AND NOTED
 - M-M MEASURED DISTANCE MON TO MON
 - OCRR OREGON CORNER RESTORATION RECORD

Curve Table

Curve #	Length	Radius	Delta	Chord Bearing	Chord Length
C1	263.77	5000.36	003°01'21"	S02° 16' 33"W	263.74
C2	280.73	500.04	032°10'01"	S19° 52' 13"W	277.06
C3	136.00	1200.09	006°29'35"	N32° 42' 26"E	135.93
C4	142.20	800.06	010°11'00"	S34° 33' 09"W	142.01
C39	175.27	110.00	091°17'41"	N45° 24' 59"E	157.31
C39(1)	175.27	110.00	091°17'41"	N45° 44' 11"E	157.31

OCRS - PENDLETON ZONE COORDINATES SURVEY CONTROL MONUMENTS

NUMBER	STATION - OFFSET	NORTHING	EASTING
1	30+67.46 - 35.18'RT	250683.85	316960.66
2	72+01.53 - 19.46'RT	254822.78	317139.51

RECEIVED BY
Umatilla County Surveyor
Date: 10/25/19
Rec'd By: CT
No.: 19-099-C

REGISTERED PROFESSIONAL LAND SURVEYOR
BRIAN W. REEVES
JULY 19, 1994
RENEWAL DATE: 12-31-2020

OCRS - PENDLETON ZONE COORDINATES CENTERLINE

DESCRIPTION	NORTHING	EASTING
31+85.25 BP	250811.424	317000.545
44+94.875 PI	252151.044	316996.938
54+18.162 PC	253044.248	317009.258
56+81.929 PT	253307.777	317019.731
79+70.546 PC	255591.397	317170.884
82+51.276 PT	255851.960	317265.054
103+32.568 PC	257536.745	318487.049
104+68.565 PT	257651.118	318560.496
108+28.547 PC	257964.552	318737.546

RECORD OF SURVEY
COUNTY ROAD NO. 717 LEGALIZATION SURVEY
BUTLER GRADE ROAD
LOCATED IN SECTION 4, TOWNSHIP 5 NORTH, RANGE 33 EAST, WILLAMETTE MERIDIAN, ALONG WITH SECTIONS 13, 14, 22, 23, 27, 33 AND 34, TOWNSHIP 6 NORTH, RANGE 33 EAST, WILLAMETTE MERIDIAN, UMATILLA COUNTY, OREGON

dk ENGINEERING
SURVEYING * PLANNING
1931 SAN MIGUEL DRIVE, SUITE 100
WALNUT CREEK, CALIFORNIA 94596
DATE OF SURVEY: APRIL 2019 SHEET 1 OF 4

RECORD OF SURVEY
 COUNTY ROAD NO. 717 LEGALIZATION SURVEY
 BUTLER GRADE ROAD

Curve #	Length	Radius	Delta	Chord Bearing	Chord Length
C4	142.20	800.06	010°11'00"	S34° 33' 09"W	142.01
C5	561.06	1070.08	030°02'29"	N24° 37' 25"E	554.66
C6	282.42	800.06	020°13'32"	S19° 42' 56"W	280.96
C7	180.61	230.02	044°59'17"	S52° 19' 20"W	176.00
C8	149.17	82.01	104°13'20"	N22° 42' 19"E	129.44
C9	230.37	380.03	034°43'55"	N46° 46' 19"W	226.86
C10	225.03	110.01	117°12'18"	S05° 32' 08"E	187.80
C11	204.33	700.05	016°43'23"	S61° 25' 43"W	203.60
C12	248.93	370.03	038°32'42"	N50° 31' 03"E	244.26
C13	256.84	1270.09	011°35'12"	N25° 27' 06"E	256.40
C14	340.44	1289.09	015°07'52"	S27° 13' 26"W	339.45
C15	367.72	1880.13	011°12'22"	N29° 11' 12"E	367.14
C16	127.24	3000.21	002°25'48"	S24° 47' 55"W	127.23
C17	297.35	980.07	017°23'00"	N17° 19' 19"E	296.21
C18	265.19	3000.21	005°03'52"	S11° 09' 44"W	265.10
C19	303.81	700.05	024°51'56"	S26° 07' 38"W	301.43

DESCRIPTION	NORTHING	EASTING
108+28.547 PC	257964.552	318737.546
109+70.744 PRC	258081.511	318818.088
115+31.808 PRC	258585.733	319049.189
118+14.229 PT	258850.220	319143.970
118+71.620 PC	258900.008	319172.516
120+52.226 PT	259007.584	319311.815
127+93.402 PC	259201.709	320027.117
129+42.572 PT	259321.116	320077.079
131+08.164 PC	259465.373	319995.775
133+38.532 PT	259620.748	319830.479
135+91.904 PC	259731.271	319602.483
138+16.937 PT	259918.194	319584.367
140+62.026 PC	260065.464	319780.276
142+66.352 PT	260162.837	319959.083
145+40.433 PC	260257.522	320216.290
147+89.364 PT	260412.835	320404.817
153+68.945 PC	260908.352	320705.445
156+25.787 PRC	261139.872	320815.635
159+66.223 PRC	261441.716	320970.922
163+33.945 PT	261762.240	321149.958
171+60.333 PC	262519.606	321480.584
172+87.574 PT	262635.105	321533.948
180+01.167 PC	263276.405	321846.918
182+98.517 PT	263559.181	321935.111
187+15.684 PC	263971.625	321997.710
189+80.870 PT	264231.709	322049.030
190+52.697 PC	264301.495	322066.035
193+56.510 PT	264572.128	322198.777

NUMBER	STATION - OFFSET	NORTHING	EASTING
1	30+67.46 - 35.18'RT	250683.85	316960.66
2	72+01.53 - 19.46'RT	254822.78	317139.51
3	206+23.39 - 21.81'LT	265468.77	323091.19
4	220+08.58 - 22.32'LT	266330.70	324159.68
5	280+39.28 - 26.59'LT	270735.50	327805.89
6	324+57.25 - 32.50'LT	273345.24	330072.63

REFERENCES:

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LEGEND

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RECEIVED BY

Umatilla County Surveyor
 Date: 10/25/19
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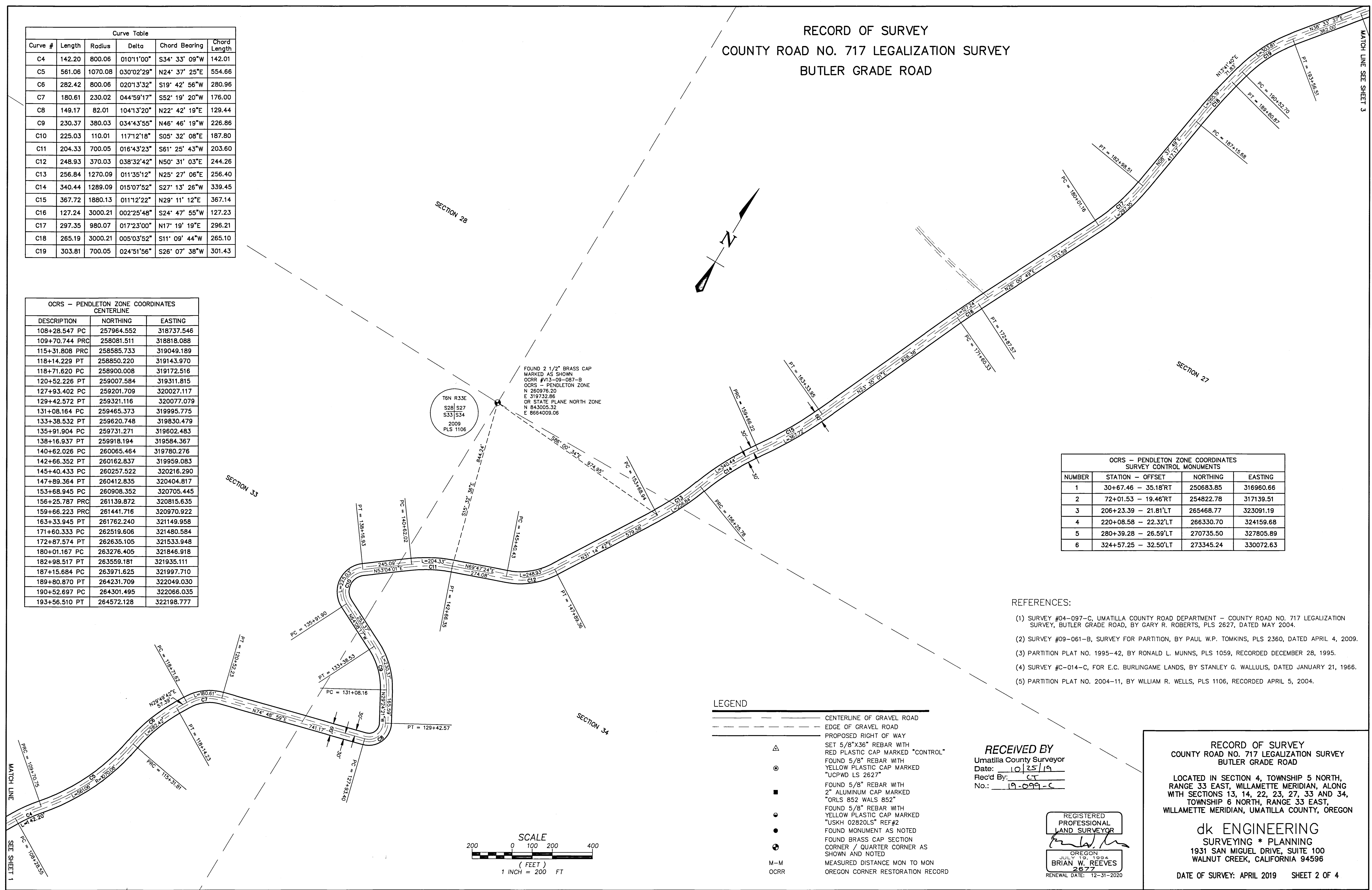
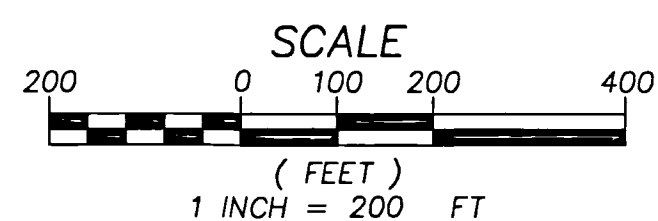
REGISTERED PROFESSIONAL LAND SURVEYOR
 OREGON
 JULY 19, 1994
 BRIAN W. REEVES
 2677
 RENEWAL DATE: 12-31-2020

RECORD OF SURVEY
 COUNTY ROAD NO. 717 LEGALIZATION SURVEY
 BUTLER GRADE ROAD

LOCATED IN SECTION 4, TOWNSHIP 5 NORTH, RANGE 33 EAST, WILLAMETTE MERIDIAN, ALONG WITH SECTIONS 13, 14, 22, 23, 27, 33 AND 34, TOWNSHIP 6 NORTH, RANGE 33 EAST, WILLAMETTE MERIDIAN, UMATILLA COUNTY, OREGON

dk ENGINEERING
 SURVEYING * PLANNING
 1931 SAN MIGUEL DRIVE, SUITE 100
 WALNUT CREEK, CALIFORNIA 94596

DATE OF SURVEY: APRIL 2019 SHEET 2 OF 4



RECORD OF SURVEY
 COUNTY ROAD NO. 717 LEGALIZATION SURVEY
 BUTLER GRADE ROAD

OCCS - PENDLETON ZONE COORDINATES CENTERLINE

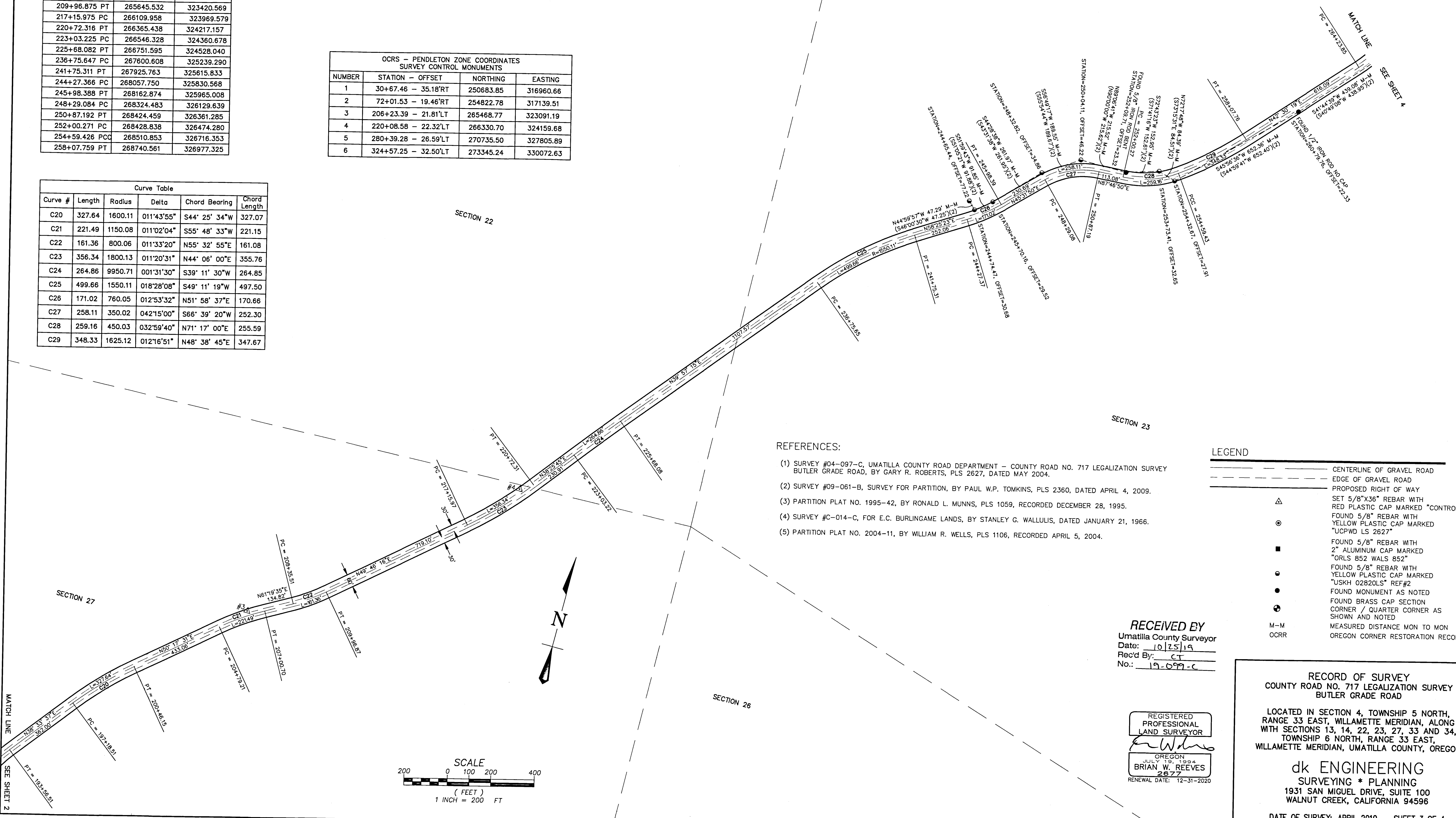
DESCRIPTION	NORTHING	EASTING
189+80.870 PT	264231.709	322049.030
190+52.697 PC	264301.495	322066.035
193+56.510 PT	264572.128	322198.777
197+18.511 PC	264855.197	322424.425
200+46.150 PT	265088.773	322653.368
204+79.211 PC	265365.444	322986.526
207+00.702 PT	265489.719	323169.454
208+35.520 PC	265554.407	323287.739
209+96.875 PT	265645.532	323420.569
217+15.975 PC	266109.958	323969.579
220+72.316 PT	266365.438	324217.157
223+03.225 PC	266546.328	324360.678
225+68.082 PT	266751.595	324528.040
236+75.647 PC	267600.608	325239.290
241+75.311 PT	267925.763	325615.833
244+27.366 PC	268057.750	325830.568
245+98.388 PT	268162.874	325965.008
248+29.084 PC	268324.483	326129.639
250+87.192 PT	268424.459	326361.285
252+00.271 PC	268428.838	326474.280
254+59.426 PCC	268510.853	326716.353
258+07.759 PT	268740.561	326977.325

OCCS - PENDLETON ZONE COORDINATES SURVEY CONTROL MONUMENTS

NUMBER	STATION - OFFSET	NORTHING	EASTING
1	30+67.46 - 35.18'RT	250683.85	316960.66
2	72+01.53 - 19.46'RT	254822.78	317139.51
3	206+23.39 - 21.81'LT	265468.77	323091.19
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5	280+39.28 - 26.59'LT	270735.50	327805.89
6	324+57.25 - 32.50'LT	273345.24	330072.63

Curve Table

Curve #	Length	Radius	Delta	Chord Bearing	Chord Length
C20	327.64	1600.11	011°43'55"	S44° 25' 34"W	327.07
C21	221.49	1150.08	011°02'04"	S55° 48' 33"W	221.15
C22	161.36	800.06	011°33'20"	N55° 32' 55"E	161.08
C23	356.34	1800.13	011°20'31"	N44° 06' 00"E	355.76
C24	264.86	9950.71	001°31'30"	S39° 11' 30"W	264.85
C25	499.66	1550.11	018°28'08"	S49° 11' 19"W	497.50
C26	171.02	760.05	012°53'32"	N51° 58' 37"E	170.66
C27	258.11	350.02	042°15'00"	S66° 39' 20"W	252.30
C28	259.16	450.03	032°59'40"	N71° 17' 00"E	255.59
C29	348.33	1625.12	012°16'51"	N48° 38' 45"E	347.67



- REFERENCES:
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LEGEND

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RECEIVED BY
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 Date: 10/25/19
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REGISTERED PROFESSIONAL LAND SURVEYOR
 BRIAN W. REEVES
 JULY 19, 1994
 2627
 RENEWAL DATE: 12-31-2020

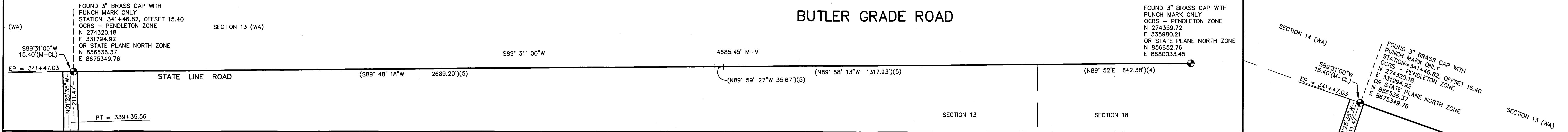
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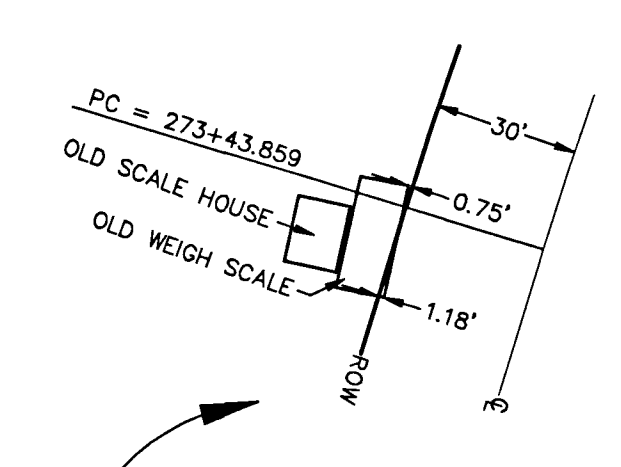
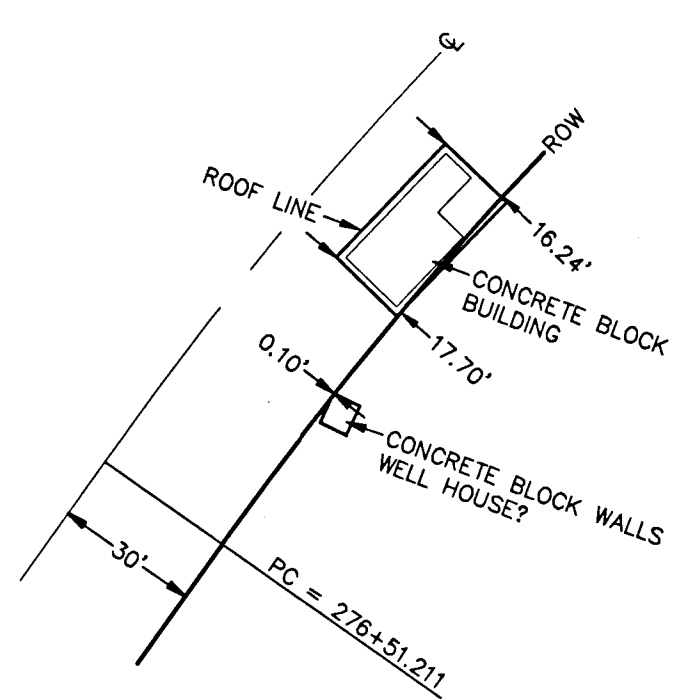
dk ENGINEERING
 SURVEYING * PLANNING
 1931 SAN MIGUEL DRIVE, SUITE 100
 WALNUT CREEK, CALIFORNIA 94596

DATE OF SURVEY: APRIL 2019 SHEET 3 OF 4

**RECORD OF SURVEY
COUNTY ROAD NO. 717 LEGALIZATION SURVEY
BUTLER GRADE ROAD**



DETAIL 'A'
SCALE 1" = 200'



DETAIL 'C'
SCALE 1" = 40'

Curve Table					
Curve #	Length	Radius	Delta	Chord Bearing	Chord Length
C30	230.30	500.04	026°23'18"	N29° 18' 40"E	228.27
C31	202.63	600.04	019°20'56"	N06° 26' 34"E	201.67
C32	209.09	650.05	018°25'45"	S05° 58' 58"W	208.19
C33	173.18	750.05	013°13'45"	S21° 48' 44"W	172.80
C34	181.52	130.01	079°59'51"	S68° 25' 32"W	167.13
C35	176.02	120.01	084°02'22"	N66° 24' 17"E	160.66
C36	393.06	950.07	023°42'15"	N12° 31' 58"E	390.26
C37	243.89	225.02	062°06'10"	S31° 43' 56"W	232.13
C38	297.00	265.02	064°12'36"	N30° 40' 43"E	281.70

OCRS - PENDLETON ZONE COORDINATES SURVEY CONTROL MONUMENTS			
NUMBER	STATION - OFFSET	NORTHING	EASTING
1	30+67.46 - 35.18'RT	250683.85	316960.66
2	72+01.53 - 19.46'RT	254822.78	317139.51
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OCRS - PENDLETON ZONE COORDINATES CENTERLINE		
DESCRIPTION	NORTHING	EASTING
258+07.759 PT	268740.561	326977.325
264+23.854 PC	269194.755	327393.594
266+54.151 PT	269393.798	327505.343
269+59.765 PC	269687.400	327590.181
271+62.399 PT	269887.799	327612.810
273+43.859 PC	270068.971	327602.581
275+52.947 PT	270276.025	327624.280
276+51.211 PC	270370.852	327650.040
278+24.395 PT	270531.280	327714.246
279+92.647 PC	270679.246	327794.340
281+74.168 PT	270740.702	327949.763
292+19.362 PC	270410.367	328941.383
293+95.386 PT	270474.677	329088.615
314+23.909 PC	272322.240	329926.120
318+16.965 PT	272703.199	330010.807
322+66.996 PC	273153.199	330016.154
325+10.890 PT	273350.628	330138.243
336+38.561 PC	273866.373	331141.063
339+35.561 PT	274108.648	331284.793
341+47.033 EP	274320.054	331279.528

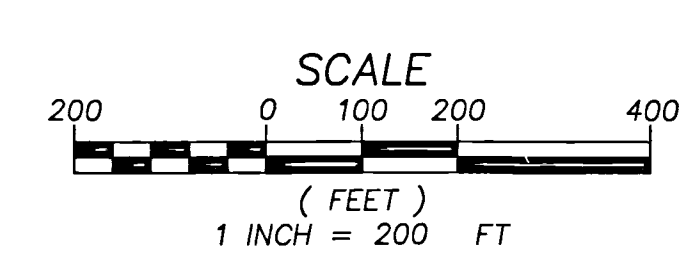
LEGEND

- CENTERLINE OF GRAVEL ROAD
- - - EDGE OF GRAVEL ROAD
- - - PROPOSED RIGHT OF WAY
- △ SET 5/8"X36" REBAR WITH RED PLASTIC CAP MARKED "CONTROL"
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REGISTERED
PROFESSIONAL
LAND SURVEYOR
Brian W. Reeves
OREGON
JULY 19, 1994
BRIAN W. REEVES
2677
RENEWAL DATE: 12-31-2020

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BUTLER GRADE ROAD**

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RANGE 33 EAST, WILLAMETTE MERIDIAN, ALONG
WITH SECTIONS 13, 14, 22, 23, 27, 33 AND 34,
TOWNSHIP 6 NORTH, RANGE 33 EAST,
WILLAMETTE MERIDIAN, UMATILLA COUNTY, OREGON

dk ENGINEERING
SURVEYING * PLANNING
1931 SAN MIGUEL DRIVE, SUITE 100
WALNUT CREEK, CALIFORNIA 94596

DATE OF SURVEY: APRIL 2019 SHEET 4 OF 4