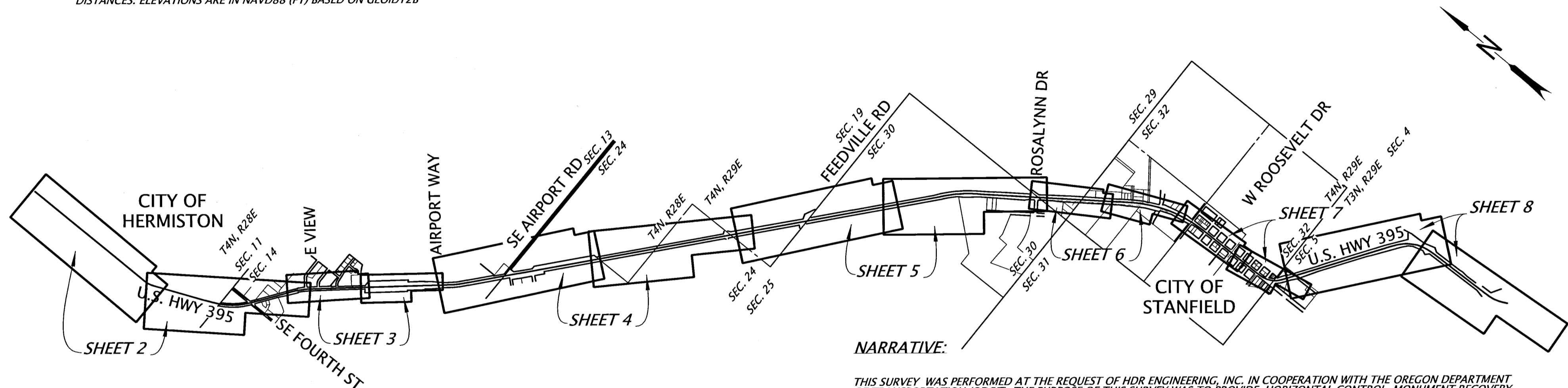


NOTES:

LISTED BELOW ARE THE REFERENCES THAT WERE EVALUATED IN THE PROCESS OF RESEARCHING THIS CORRIDOR. THOSE SURVEYS THAT WERE PRIMARILY USED FOR RESOLVING THE CENTERLINE AS SHOWN ON THE INDIVIDUAL SHEETS.

COORDINATES OF POINTS ARE IN THE COLUMBIA RIVER EAST ZONE OF THE OREGON COORDINATE REFERENCE SYSTEM (OCRS) AS DEFINED BY THE OREGON DEPARTMENT OF TRANSPORTATION (OAR 734-005-0015). EPSG CODE 6807 FOR REFERENCE. DISTANCES SHOWN ARE GROUND DISTANCES. ELEVATIONS ARE IN NAVD88 (FT) BASED ON GEOID12B



NARRATIVE:

THIS SURVEY WAS PERFORMED AT THE REQUEST OF HDR ENGINEERING, INC. IN COOPERATION WITH THE OREGON DEPARTMENT OF TRANSPORTATION (ODOT). THE PURPOSE OF THIS SURVEY WAS TO PROVIDE HORIZONTAL CONTROL, MONUMENT RECOVERY AND CENTERLINE RESOLUTION ALONG PORTIONS OF U.S. HIGHWAY 395 IN ANTICIPATION OF UPCOMING ROAD IMPROVEMENTS.

DURING A DISCUSSION WITH THE ODOT REGION 5 SURVEYOR, IT WAS SUGGESTED THAT WHERE ALIGNMENTS MET BUT FAILED TO FIT WELL, ADJUSTING THE DELTAS OF SIMPLE CURVES WOULD BE A REASONABLE APPROACH TO RESOLVING ISSUES THAT COULD ARISE. AS A RESULT OF THAT DISCUSSION, THIS PROCEDURE WAS ADOPTED FOR THIS SURVEY AS SHOWN.

THE PRIMARY SURVEYS USED FOR THE CENTERLINE RESOLUTION WERE: 95-095-B (R1), 87-28-C (R2), 89-26-C (R3), 91-39-C (R4), 9B-8-11 (R5), 9B-9-13 (R6) AND 9B-29-7 (R7).

THE CENTERLINES FOR REFERENCES R1, R2, R3 & R7 (NOTED ABOVE) WERE COMPUTED AND REGISTERED TO FOUND MONUMENTS AS DISCUSSED BELOW. RECORD DATA ALONG WITH THEIR REFERENCES ARE SHOWN WHERE MEASUREMENTS DIFFER FROM RECORD. IF NO RECORD IS STATED AS IS THE CASE FOR THE MAJORITY OF THE CURVE DATA, THEN FOR THE PURPOSES OF THIS SURVEY, MEASURED AND RECORD ARE THE SAME.

SURVEYS 95-095-B AND CS 87-28-C CENTERLINES AND RIGHT-OF-WAYS WERE COMPUTED SEPARATELY AND THEN JOINED AT THEIR COMMON P.T. (326+22.02 BK). TOGETHER, THESE TWO SURVEYS WERE SUBSEQUENTLY REGISTERED TO THE FOUND LOCATION OF #1013 AND THEN ROTATED ONTO #1023 AS SHOWN.

SURVEY 89-26-C CENTERLINE AND RIGHT-OF-WAY WERE COMPUTED AND REGISTERED TO THE FOUND LOCATION OF #1039 AND THEN SUBSEQUENTLY ROTATED ONTO #1035, AS SHOWN.

SURVEYS 87-28-C AND 89-26-C DIDN'T FIT WELL TOGETHER SO THE DELTA OF THE SIMPLE CURVE AT P.S.C. 377+40.21 (NEW STATIONING) WAS REDUCED BY 0'00'31" RESULTING IN THE P.C.S. AT 379+63+95 AND THE P.T. AT 381+63.95 WHICH IN TURN CREATED A P.I. AT STATION 410+19.98. THE FOUND MONUMENTS IN THE AREA FOR SURVEYS 87-28-C AND 89-26-C FIT REASONABLY WELL WITH THIS RESOLUTION.

SURVEY 91-39-C CONSTRUCTION AND RIGHT-OF-WAY CENTERLINES AS WELL AS RIGHT-OF-WAY WERE COMPUTED AND REGISTERED TO THE FOUND LOCATION OF #1004 AND THEN SUBSEQUENTLY ROTATED ONTO #1008 AS SHOWN.

SURVEYS 89-26-C AND 91-39-C DIDN'T FIT WELL WHERE THEY JOINED. TO RESOLVE THIS, THE SIMPLE CURVE AS SHOWN ON SAID SURVEY 91-39-C HAVING A P.S.C. AT 512+40.88 AND A P.C.S. AT 513+89.20 (513+86.17, NEW STATIONING) WAS ADJUSTED BACK-STATION, HOLDING SAID P.C.S. AND INCREASING THE DELTA OF SAID SIMPLE CURVE BY 00'06'05". THIS CHANGE RESULTED IN THE P.S.C. AT STATION 512+33.34 (NEW) AND THE P.S. AT 507+83.34 (NEW) WHICH IN TURN RESULTED IN A P.I. AT 504+96.59 (NEW). THE FOUND MONUMENTS IN THE AREA FOR SURVEY 91-39-C FIT REASONABLY WELL WITH THIS RESOLUTION.

REFERENCES:

- | | | | |
|------------------------|----------|------------------------------|--------------------------|
| COUNTY SURVEYS: | 87-026-B | 99-267-A | O-007-C |
| 00-180-B | 87-028-C | A-052-AX | O-008-C |
| 01-014-C | 88-065-B | BK 12 PG 04 | O-036-B |
| 01-122-A | 89-026-C | BK 13 PG 011 | O-072-A |
| 01-129-C | 89-031-A | BK 13 PG 067 | O-090-A |
| 01-199-B | 89-086-B | BK 16 PG 71 | P-132-AX |
| 02-265-B | 89-137-B | Bk 16 PG 85 | Panorama Heights Sub |
| 02-290-B | 90-005-A | Bk14 PG 02 | Panoramic Ridge Phase 3 |
| 03-078-A | 90-01-B | Coe's First Add | Panoramic Ridge Phase II |
| 03-166-A | 90-071-A | Cole's Replat | Peterson Replat |
| 03-195-B | 91-061-B | D-020-AX | PPLAT 1992-09 |
| 05-149-B | 91-100-A | D-033-AX | PPLAT 1993-23 |
| 05-204-B | 92-140-A | Dixon Heights | PPLAT 1994-17 |
| 06-624-B | 93-038-B | GASLINE EASE-Q-0045-B | PPLAT 1994-23 |
| 07-272-C | 94-005-B | H-045-A | PPLAT 1995-01 |
| 08-128-B | 94-026-B | Herm Port Unit one | PPLAT 1995-10 |
| 08-138-B | 94-036-A | Highlander Center Sub | PPLAT 1995-15 |
| 12-028-C | 94-039-B | Highlander Center Sub Unit 2 | PPLAT 1995-20 |
| 12-073-B | 95-044-B | I-021-C | PPLAT 1995-23 |
| 12-101-B | 95-052-A | I-071-AX | PPLAT 1995-37 |
| 13-158-C | 95-072-B | I-075-A | PPLAT 1996-40 |
| 13-160-C | 95-095-B | I-079-A | PPLAT 1997-06 |
| 13-204-C | 95-143-A | I-082-A | PPLAT 1997-07 |
| 13-218-B | 95-145-B | I-083-AX | PPLAT 1998-29 |
| 13-250-A | 96-029-B | J-131-B | PPLAT 1999-27 |
| 14-012-C | 96-046-A | J-133-C | PPLAT 2000-08 |
| 15-030-B | 96-050-B | K-003-AX | PPLAT 2000-38 |
| 15-138-C | 97-122-B | K-030-A | PPLAT 2002-20 |
| 16-009-B | 97-243-B | K-044-B | PPLAT 2002-43 |
| 16-78 | 98-017-B | K-046-C | PPLAT 2003-10 |
| 17-010-A | 98-022-B | K-052-B | PPLAT 2004-26 |
| 17-012-B | 98-030-B | K-061-A | PPLAT 2006-07 |
| 17-063-B | 98-052-A | L-070-A | PPLAT 2008-01 |
| 18-008-B | 98-155-C | L-086-A | PPLAT 2010-29 |
| 18-064-B | 98-164-B | M-058-A | PPLAT 2012-06 |
| 19-048-B | 99-065-B | N-002-A | PPLAT 2013-16 |
| 85-163-B | 99-103-A | N-003-A | Q-0002-B |
| 86-057-AX | 99-256-B | N-080-A | Q-0118-A |



REGISTERED
PROFESSIONAL
LAND SURVEYOR

OREGON
JUNE 13, 2008
JEFFREY A. MADSEN
60000LS

EXPIRES: 12/31/2020
SIGNED 11/23/2020

RECEIVED BY
Umatilla County Surveyor
Date: 1/27/20
Rec'd By: CT
No.: 20-009-B

ANDERSON PERRY AND ASSOCIATES, INC.
1901 N. FIR ST., LA GRANDE, OR., 97850
HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT MAP
US395: SE 4TH ST (HERMISTON)
UMATILLA-STANFIELD HWY NO. 054
UMATILLA COUNTY

ODOT REGION 5 TECH CENTER
3012 ISLAND AVENUE
LA GRANDE, OR 97850 KEY NO. 20461

JANUARY 15, 2020
SCALE: 1" = 2000'
SHEET 1 OF 9

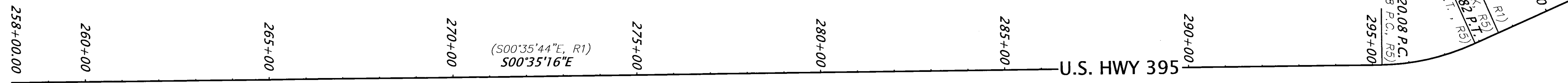
SE 1/4 SECTION 3, SW 1/4 SECTION 2, NE 1/4 & SE 1/4 SECTION 10,
NW 1/4 & SW 1/4 SECTION 11, NW 1/4 & NE 1/4 SECTION 14, T4N T28E WM

MONUMENT POINT TABLE						
POINT #	NORTHING	EASTING	DATE	STATION	OFFSET	DESCRIPTION AND REFERENCES
1011	161458.30	802013.92	6/5/19	326+25.44	45.21 LT	FOUND 5/8" IRON ROD DOWN 0.5 (STRAIGHT); MOS 87-028-C
1012	161454.00	801863.12	6/3/19	325+04.81	45.19 RT	FOUND 5/8" IRON ROD WITH 1 1/2" ALUM. CAP FLUSH W/GROUND (STRAIGHT) "ODOT W/PUNCH"; MOS 87-028-C
1013	161052.60	802427.34	6/3/19	331+96.79	50.04 RT	FOUND 5/8" IRON ROD WITH 1 1/2" ALUM. CAP FLUSH W/GROUND (STRAIGHT) "ORE STATE HWY DEPT LS 1068 W/PUNCH"; MOS 87-028-C
1014	160937.12	802574.56	6/3/19	333+83.63	60.20 RT	FOUND 5/8" IRON ROD WITH 1 1/2" ALUM. CAP (STRAIGHT) CAP ILLEGIBLE; MOS 87-028-C
1016	160773.41	802821.42	6/5/19	336+83.46	45.01 RT	FOUND 5/8" IRON ROD WITH RED PLASTIC CAP FLUSH W/GROUND (STRAIGHT) "ORPLS 1106 WAPLS 17372"; MOS 07-272-C
1017	160761.83	802811.87	6/5/19	336+83.46	60.03 RT	FOUND 5/8" IRON ROD WITH 1 1/2" ALUM. CAP, 0.2" DOWN (STRAIGHT) CAP ILLEGIBLE; MOS 87-028-C
1018	160676.28	802930.28	6/5/19	338+32.91	45.01 RT	FOUND 5/8" IRON ROD WITH 1 1/2" ALUM. CAP, 0.3" DOWN (STRAIGHT) "OR HWY DIV R/W LS 1068"; MOS 87-028-C
1020	160673.11	803078.99	6/5/19	339+39.47	58.65 LT	FOUND 5/8" IRON ROD WITH 1 1/2" ALUM. CAP FLUSH W/GROUND (STRAIGHT) CAP ILLEGIBLE; MOS 87-028-C

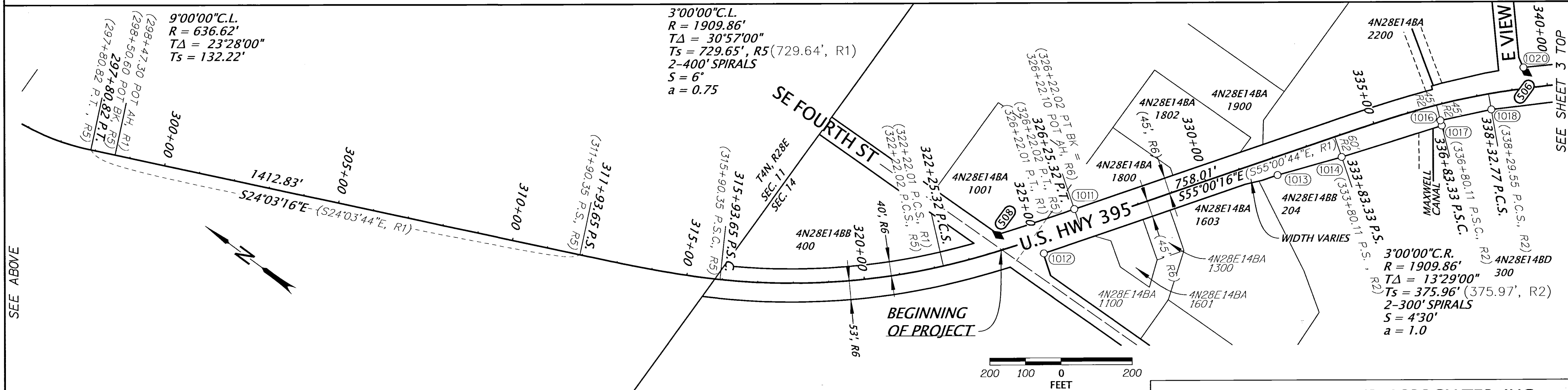
REFERENCES:
R1 95-095-B
R2 87-028-C
R3 89-026-C
R4 91-039-C
R5 98-8-11
R6 98-9-13
R7 98-29-7

CONTROL POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
506	160658.95	803073.13	540.78	APA_H+MAG
508	161588.25	801829.06	478.21	APA_H+MAG

9°00'00"C.L.
R = 636.62'
TΔ = 23°28'00"
Ts = 132.22'



ALIGNMENT
P.O.B.
N. 167769.06
E. 800423.47



SEE ABOVE

SEE BELOW

SEE SHEET 3 TOP

LEGEND	
○	FOUND MONUMENT
◆	SET STRATEGIC POINT
()	RECORD DATA PER REFERENCE NO.
—	EXISTING RIGHT-OF-WAY
—	PROPERTY LINE
—	MAIN CENTERLINE
(###)	MONUMENT POINT NUMBER

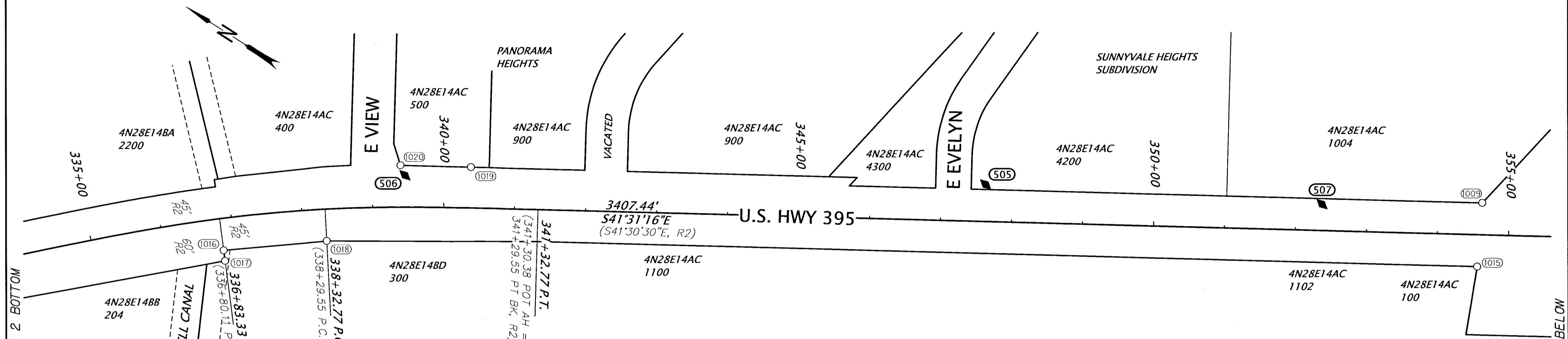
RECEIVED BY
Umatilla County Surveyor
Date: 1/27/20
Rec'd By: CT
No.: 20-009-8

REGISTERED
PROFESSIONAL
LAND SURVEYOR
JEFFREY A. MADSEN
60000LS
EXPIRES: 12/31/2020
SIGNED: 1/23/2020

ANDERSON PERRY AND ASSOCIATES, INC.
1901 N. FIR ST., LA GRANDE, OR., 97850
HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT MAP
US395: SE 4TH ST (HERMISTON)
UMATILLA-STANFIELD HWY NO. 054
UMATILLA COUNTY

ODOT REGION 5 TECH CENTER
3012 ISLAND AVENUE
LA GRANDE, OR 97850 KEY NO. 20461
JANUARY 15, 2020
SCALE: 1" = 200'
SHEET 2 OF 9

NW 1/4, NE 1/4, & SE 1/4 SECTION 14 T4N T28E WM



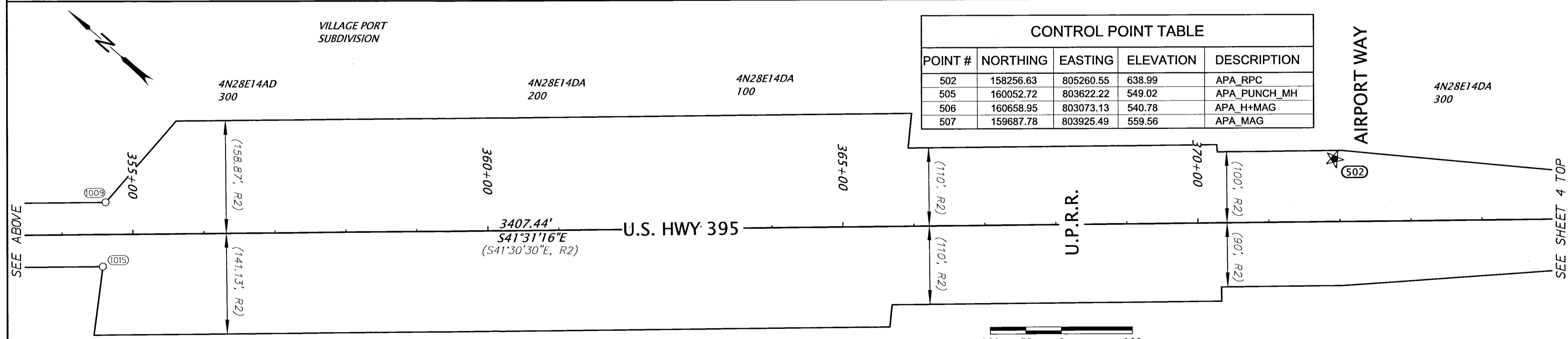
POINT #	NORTHING	EASTING	DATE	STATION	OFFSET	DESCRIPTION AND REFERENCES
1009	159524.29	804080.79	6/3/19	354+61.80	45.03 LT	FOUND 5/8" IRON ROD UP 0.4 (STRAIGHT); MOS 87-028-C
1015	159468.04	804010.24	6/3/19	354+57.14	45.08 RT	FOUND 5/8" IRON ROD FLUSH W/ASPHALT (STRAIGHT); MOS 87-028-C
1016	160773.41	802821.42	6/5/19	336+83.46	45.01 RT	FOUND 5/8" IRON ROD WITH RED PLASTIC CAP FLUSH W/GROUND (STRAIGHT)*ORPLS 1106 WAPLS 17372"; MOS 07-272-C
1017	160761.83	802811.87	6/5/19	336+83.46	60.03 RT	FOUND 5/8" IRON ROD WITH 1 1/2" ALUM. CAP, 0.2' DOWN (STRAIGHT) CAP ILLEGIBLE; MOS 87-028-C
1018	160676.28	802930.28	6/5/19	338+32.91	45.01 RT	FOUND 5/8" IRON ROD WITH 1 1/2" ALUM. CAP, 0.3' DOWN (STRAIGHT) *OR HWY DIV R/W LS 1068"; MOS 87-028-C
1019	160599.04	803145.08	6/5/19	340+37.30	57.16 LT	FOUND 5/8" IRON ROD WITH 1 1/2" ALUM. CAP, 0.3' DOWN (STRAIGHT) *OR HWY DIV R/W LS 1068"; MOS 87-028-C
1020	160673.11	803078.99	6/5/19	339+39.47	58.66 LT	FOUND 5/8" IRON ROD WITH 1 1/2" ALUM. CAP FLUSH W/GROUND (STRAIGHT) CAP ILLEGIBLE; MOS 87-028-C

REFERENCES:
 R1 95-095-B
 R2 87-028-C
 R3 89-026-C
 R4 91-039-C
 R5 9B-8-11
 R6 9B-9-13
 R7 9B-29-7

3°00'00" C.R.
 R = 1909.86'
 TΔ = 13°29'00"
 Ts = 375.97'
 2-300' SPIRALS
 S = 4°30'
 a = 1.0

SEE SHEET 2 BOTTOM

SEE BELOW



POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
502	158256.63	805260.55	638.99	APA_RPC
505	160052.72	803622.22	549.02	APA_PUNCH_MH
506	160658.95	803073.13	540.78	APA_H+MAG
507	159687.78	803925.49	559.56	APA_MAG

SEE ABOVE

SEE SHEET 4 TOP

★	SET GPS POINT	—	EXISTING RIGHT-OF-WAY
○	FOUND MONUMENT	—	PROPERTY LINE
◆	SET STRATEGIC POINT	—	MAIN CENTERLINE
()	RECORD DATA PER REFERENCE NO.	###	MONUMENT POINT NUMBER

RECEIVED BY
 Umatilla County Surveyor
 Date: 1/27/20
 Rec'd By: CT
 No.: 20-009-6

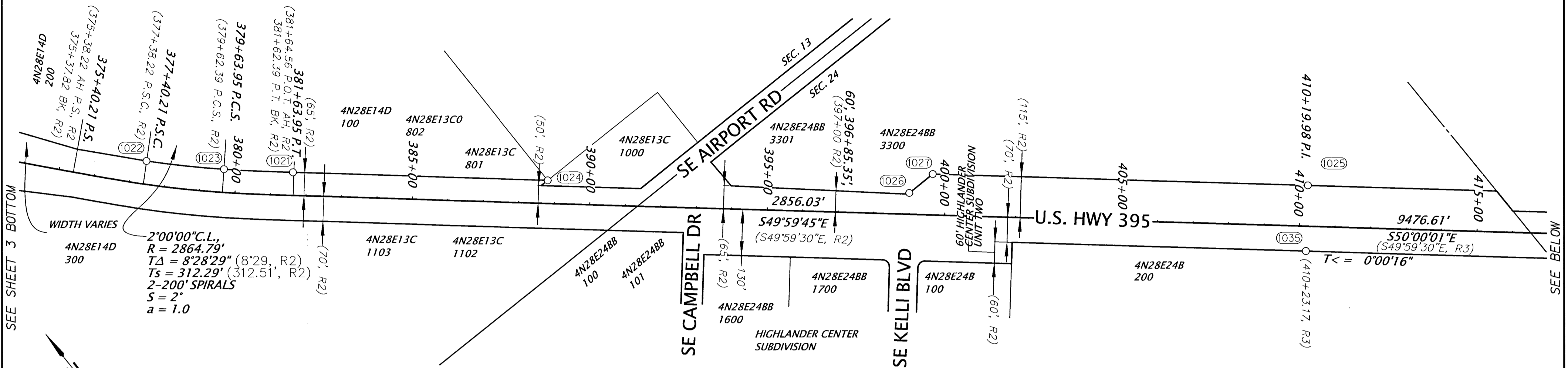
REGISTERED
 PROFESSIONAL
 LAND SURVEYOR
 JEFFREY A. MADSEN
 OREGON
 JUNE 13, 2008
 60000LS
 EXPIRES: 12/31/2020
 SIGNED: 1/23/2020

ANDERSON PERRY AND ASSOCIATES, INC.
 1901 N. FIR ST., LA GRANDE, OR., 97850
 HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT MAP
 US395: SE 4TH ST (HERMISTON)
 UMATILLA-STANFIELD HWY NO. 054
 UMATILLA COUNTY

ODOT REGION 5 TECH CENTER
 3012 ISLAND AVENUE
 LA GRANDE, OR 97850 KEY NO. 20461

JANUARY 15, 2020
 SCALE: 1" = 100'
 SHEET 3 OF 9

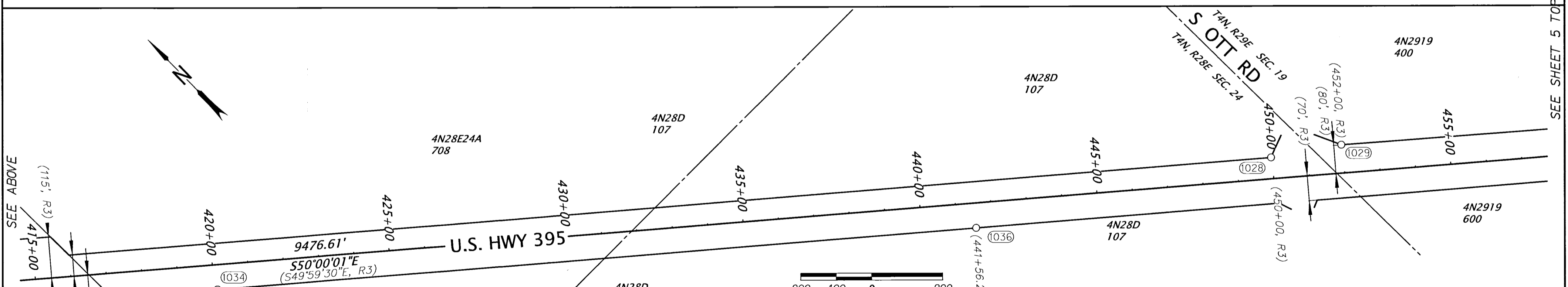
SE 1/4 SECTION 14; SW 1/4 SECTION 13;
NW 1/4, NE 1/4 & SE 1/4 SECTION 24 T4N R28E WM



MONUMENT POINT TABLE

POINT #	NORTHING	EASTING	DATE	STATION	OFFSET	DESCRIPTION AND REFERENCES
1021	157554.97	805910.79	6/5/19	381+61.42	64.77 LT	FOUND 5/8" IRON ROD WITH 1 1/2" ALUM. CAP, 0.3' DOWN (BENT EASTERLY) CAP ILLEGIBLE; MOS 87-028-C
1022	157834.95	805606.22	6/5/19	377+40.12	64.99 LT	FOUND 5/8" IRON ROD WITH 1 1/2" ALUM. CAP, 0.7' DOWN (STRAIGHT) "OR HWY DIV R/W LS 1068"; MOS 87-028-C
1023	157682.19	805763.12	6/5/19	379+64.25	65.01 LT	FOUND 5/8" IRON ROD WITH 1 1/2" ALUM. CAP, 0.2' DOWN (STRAIGHT) "OR HWY DIV R/W LS 1068"; MOS 87-028-C
1024	157093.36	806461.01	6/5/19	388+79.64	64.88 LT	FOUND 5/8" IRON ROD WITH NO CAP, 0.3' DOWN (STRAIGHT), 1" IP ALONG SIDE; MOS 87-028-C
1025	155755.86	808132.74	6/5/19	410+19.99	115.01 LT	FOUND 3" BRASS CAP IN MON CASE, OREGON STATE HIGHWAY DIV. REFERENCE; MOS 89-026-C
1026	156434.41	807238.28	6/19/19	398+98.63	59.79 LT	FOUND 5/8" IRON ROD WITH 1 1/2" ALUM. CAP, 0.5' DOWN (STRAIGHT) "OR HWY DIV R/W LS 1068"; MOS 89-026-C
1027	156435.11	807322.99	6/19/19	399+63.07	114.78 LT	FOUND 5/8" IRON ROD WITH 1 1/2" ALUM. CAP, 1.4' DOWN (STRAIGHT) CAP ILLEGIBLE; MOS 87-028-C
1028	153157.44	811143.87	6/19/19	449+96.88	60.00 LT	FOUND 5/8" IRON ROD WITH 1 1/2" ALUM. CAP, 0.3' DOWN (STRAIGHT) CAP ILLEGIBLE; MOS 87-028-C
1029	153044.26	811309.88	6/19/19	451+96.81	80.02 LT	FOUND 5/8" IRON ROD WITH 1 1/2" ALUM. CAP, 1.4' DOWN (STRAIGHT) "OREGON STATE HWY. DIV."; MOS 87-028-C
1034	154978.47	808771.42	7/29/19	420+08.94	69.97 RT	FOUND 5/8" IRON ROD WITH 1 1/2" ALUM. CAP, 0.2' DOWN, "OREGON STATE HWY. DIV."; MOS 87-028-C
1035	155614.15	808013.81	7/29/19	410+19.99	69.99 RT	FOUND 3" BRASS CAP, 0.1' DOWN, OREGON STATE HIGHWAY DIV. REFERENCE; MOS 89-026-C
1036	153600.21	810413.85	7/29/19	441+53.04	70.05 RT	FOUND 3" BRASS CAP, 0.3' DOWN, OREGON STATE HIGHWAY DIV. REFERENCE; MOS 89-026-C

- REFERENCES:
R1 95-095-B
R2 87-028-C
R3 89-026-C
R4 91-039-C
R5 9B-8-11
R6 9B-9-13
R7 9B-29-7



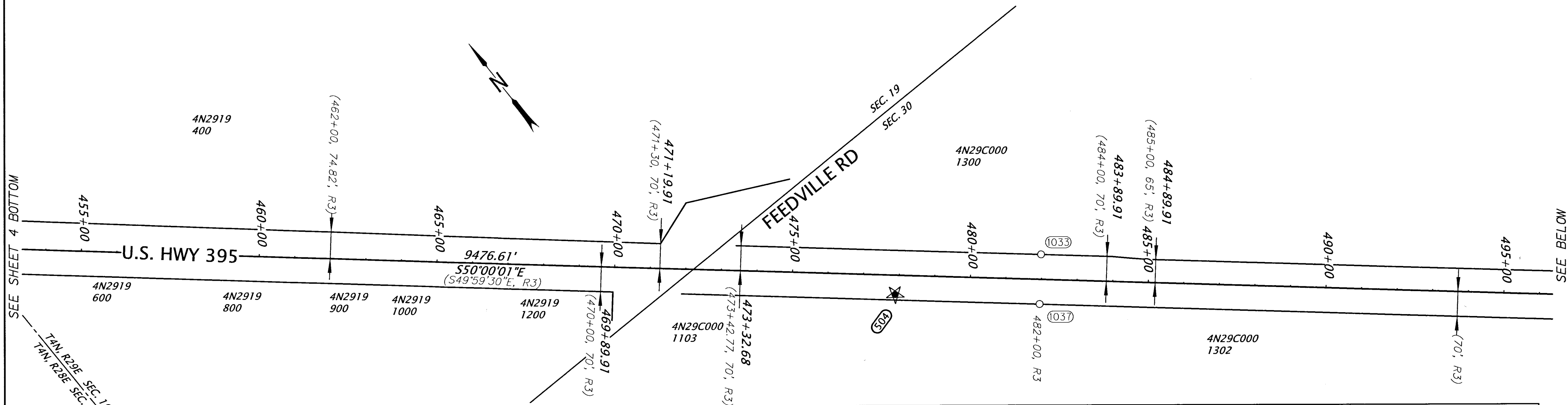
RECEIVED BY
Umatilla County Surveyor
Date: 1/27/20
Rec'd By: CT
No.: 20-009-B

LEGEND	
○	FOUND MONUMENT
()	RECORD DATA PER REFERENCE NO.
---	EXISTING RIGHT-OF-WAY
---	PROPERTY LINE
---	MAIN CENTERLINE
###	MONUMENT POINT NUMBER

REGISTERED PROFESSIONAL LAND SURVEYOR
JEFFREY A. MADSEN
OREGON
JUNE 13, 2008
60000LS
EXPIRES: 12/31/2020
SIGNED: 1/23/2020

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ODOT REGION 5 TECH CENTER
3012 ISLAND AVENUE
LA GRANDE, OR 97850 KEY NO. 20461
JANUARY 15, 2020
SCALE: 1" = 200'
SHEET 4 OF 9

SW 1/4 SECTION 19; NW 1/4, NE 1/4 & SE 1/4 SECTION 30, T4N, R29E, WM



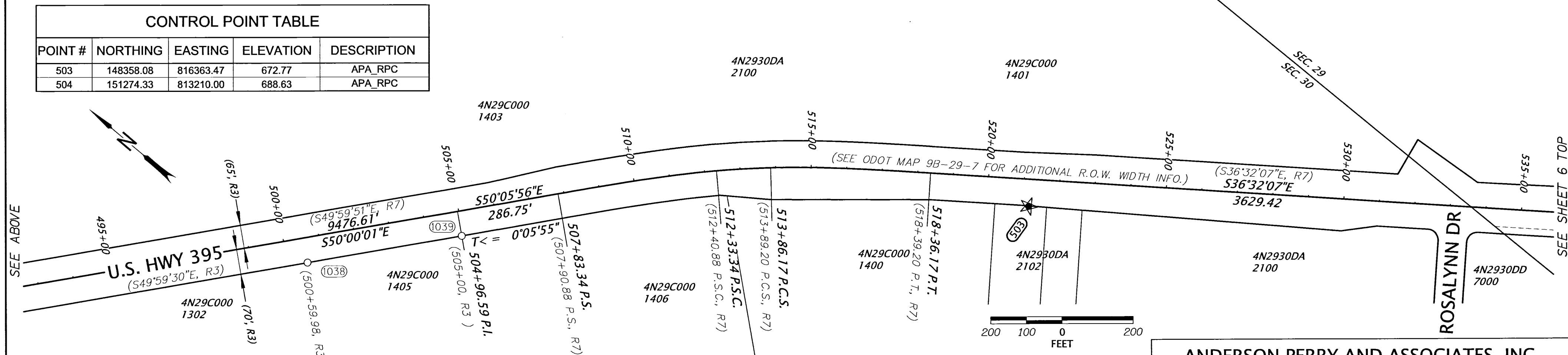
SEE SHEET 4 BOTTOM

SEE BELOW

- REFERENCES:
 R1 95-095-B
 R2 87-028-C
 R3 89-026-C
 R4 91-039-C
 R5 9B-8-11
 R6 9B-9-13
 R7 9B-29-7

MONUMENT POINT TABLE						
POINT #	NORTHING	EASTING	DATE	STATION	OFFSET	DESCRIPTION AND REFERENCES
1033	151108.32	813601.49	7/29/19	481+96.68	70.00 LT	FOUND 3" BRASS CAP, 0.2' DOWN, OREGON STATE HIGHWAY DIV. REFERENCE"; MOS 89-026-C
1037	151001.12	813511.49	7/29/19	481+96.64	69.97 RT	FOUND 3" BRASS CAP, 0.2' UP, OREGON STATE HIGHWAY DIV. REFERENCE"; MOS 89-026-C
1038	149805.47	814936.19	7/29/19	500+56.57	70.12 RT	FOUND 5/8" IRON ROD WITH 1 1/2" ALUM. CAP, 0.1' DOWN, "OREGON STATE HWY. DIV."; MOS 87-028-C
1039	149522.65	815273.45	7/29/19	504+96.60	69.99 RT	FOUND 3" BRASS CAP, FLUSH IN CONC., OREGON STATE HIGHWAY DIV. REFERENCE"; MOS 89-026-C

CONTROL POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
503	148358.08	816363.47	672.77	APA_RPC
504	151274.33	813210.00	688.63	APA_RPC



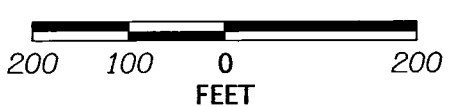
SEE ABOVE

SEE SHEET 6 TOP

LEGEND			
○	FOUND MONUMENT	—	EXISTING RIGHT-OF-WAY
★	SET GPS POINT	—	PROPERTY LINE
()	RECORD DATA PER REFERENCE NO.	—	MAIN CENTERLINE
###		###	MONUMENT POINT NUMBER

RECEIVED BY
 Umatilla County Surveyor
 Date: 1/27/20
 Rec'd By: CT
 No.: 20-009-B

2°15'00"C.R.
 R = 2546.48'
 Δ = 13°33'49" (13°27'44", R4, R7)
 Ts = 528.17' (525.88', R4, R7)
 2-450' SPIRALS
 S = 5°03'45"
 a = 0.5



REGISTERED PROFESSIONAL LAND SURVEYOR
 JEFFREY A. MADSEN
 OREGON
 JUNE 13, 2008
 JEFFREY A. MADSEN
 6000LS
 EXPIRES: 12/31/2020
 SIGNED: 1/23/2020

ANDERSON PERRY AND ASSOCIATES, INC.
 1901 N. FIR ST., LA GRANDE, OR., 97850
 HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT MAP
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 UMATILLA COUNTY

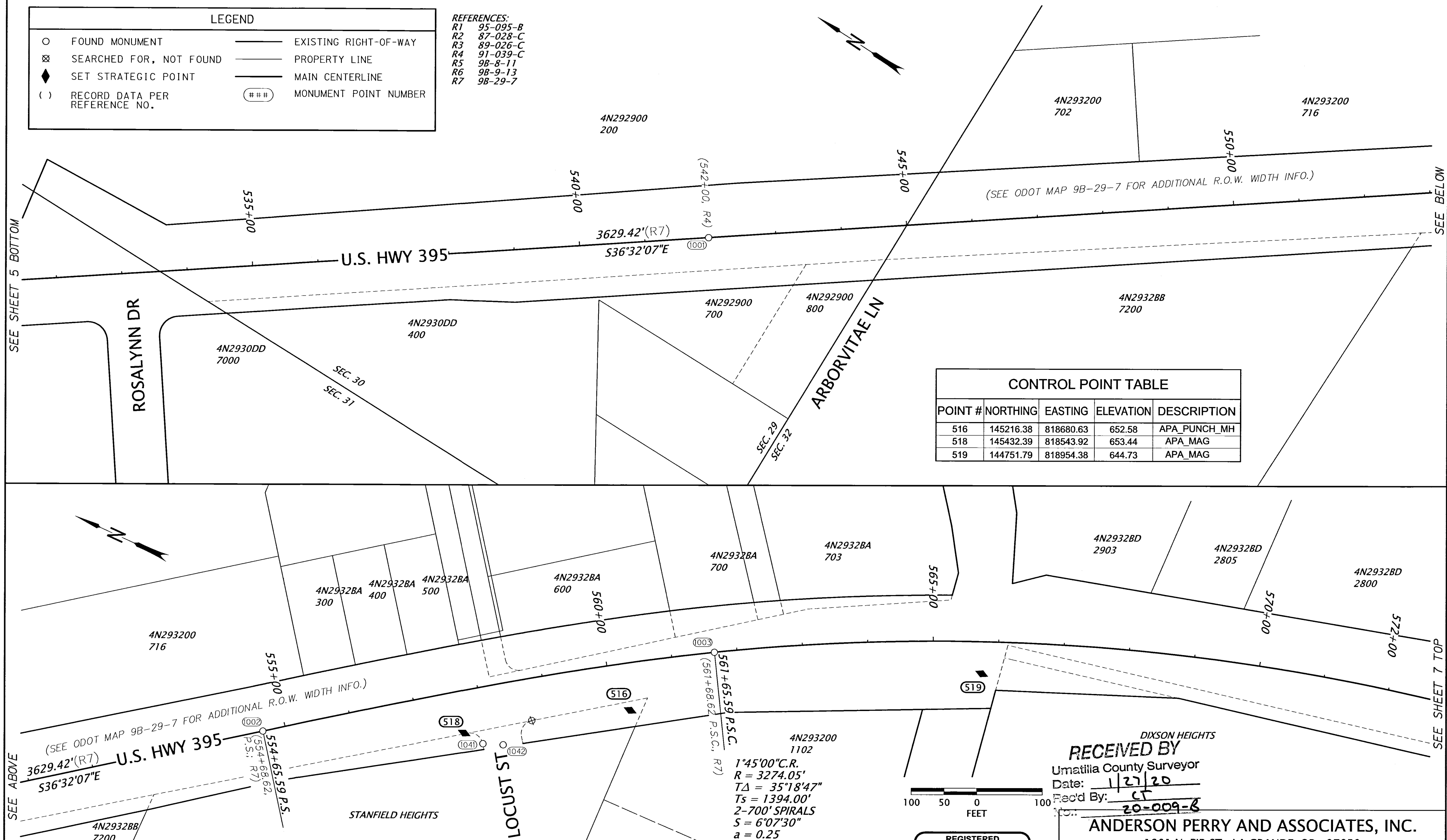
ODOT REGION 5 TECH CENTER
 3012 ISLAND AVENUE
 LA GRANDE, OR 97850 KEY NO. 20461

JANUARY 15, 2020
 SCALE: 1" = 200'
 SHEET 5 OF 9

SE 1/4 SECTION 30 T4S R29E WM SW 1/4 SECTION 29 T4S R29E WM
NW 1/4 SECTION 32 T4S R29E W

LEGEND	
○	FOUND MONUMENT
⊗	SEARCHED FOR, NOT FOUND
◆	SET STRATEGIC POINT
()	RECORD DATA PER REFERENCE NO.
—	EXISTING RIGHT-OF-WAY
—	PROPERTY LINE
—	MAIN CENTERLINE
###	MONUMENT POINT NUMBER

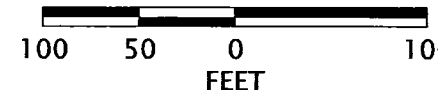
REFERENCES:
R1 95-095-B
R2 87-028-C
R3 89-026-C
R4 91-039-C
R5 98-8-11
R6 98-9-13
R7 98-29-7



CONTROL POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
516	145216.38	818680.63	652.58	APA_PUNCH_MH
518	145432.39	818543.92	653.44	APA_MAG
519	144751.79	818954.38	644.73	APA_MAG

(SEE ODOT MAP 9B-29-7 FOR ADDITIONAL R.O.W. WIDTH INFO.)
3629.42'(R7)
536°32'07"E

1°45'00"C.R.
R = 3274.05'
TΔ = 35°18'47"
Ts = 1394.00'
2-700' SPIRALS
S = 6°07'30"
a = 0.25



MONUMENT POINT TABLE						
POINT #	NORTHING	EASTING	DATE	STATION	OFFSET	DESCRIPTION AND REFERENCES
1001	146731.97	817663.40	5/31/19	541+97.30	0.19 RT	FOUND 3" BRASS CAP IN MON CASE, OREGON STATE HIGHWAY DIV.; (CONSTR.) 542+00.00; MOS 91-39-8
1002	145713.06	818418.40	5/31/19	554+65.45	0.12 RT	FOUND 3" BRASS CAP IN MON CASE, OREGON STATE HIGHWAY DIV.; (CONSTR.) 554+68.37 P.S.; MOS 91-39-8
1003	145136.48	818814.63	5/31/19	561+65.43	0.09 RT	FOUND 3" BRASS CAP IN MON CASE, OREGON STATE HIGHWAY DIV.; (CONSTR.) 561+68.37 P.S.C.; MOS 91-39-8
1041	145399.43	818541.08	11/22/19	557+92.50	85.74 RT	FOUND 5/8" IRON ROD DOWN 0.5 (STRAIGHT); STANFIELD HEIGHTS
1042	145370.80	818552.21	11/22/19	558+22.74	93.08 RT	FOUND PK IN CL LOCUST, FLUSH; STANFIELD HEIGHTS

REGISTERED PROFESSIONAL LAND SURVEYOR
JEFFREY A. MADSEN
OREGON JUNE 13, 2008
60000LS
EXPIRES: 12/31/2020
SIGNED: 1/25/2020

DIXSON HEIGHTS
RECEIVED BY
Umatilla County Surveyor
Date: 1/27/20
Rec'd By: CT
20-009-B
ANDERSON PERRY AND ASSOCIATES, INC.
1901 N. FIR ST., LA GRANDE, OR., 97850
HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT MAP
US395: SE 4TH ST (HERMISTON)
UMATILLA-STANFIELD HWY NO. 054
UMATILLA COUNTY
ODOT REGION 5 TECH CENTER
3012 ISLAND AVENUE
LA GRANDE, OR 97850 KEY NO. 20461
JANUARY 15, 2020
SCALE: 1" = 100'
SHEET 6 OF 9

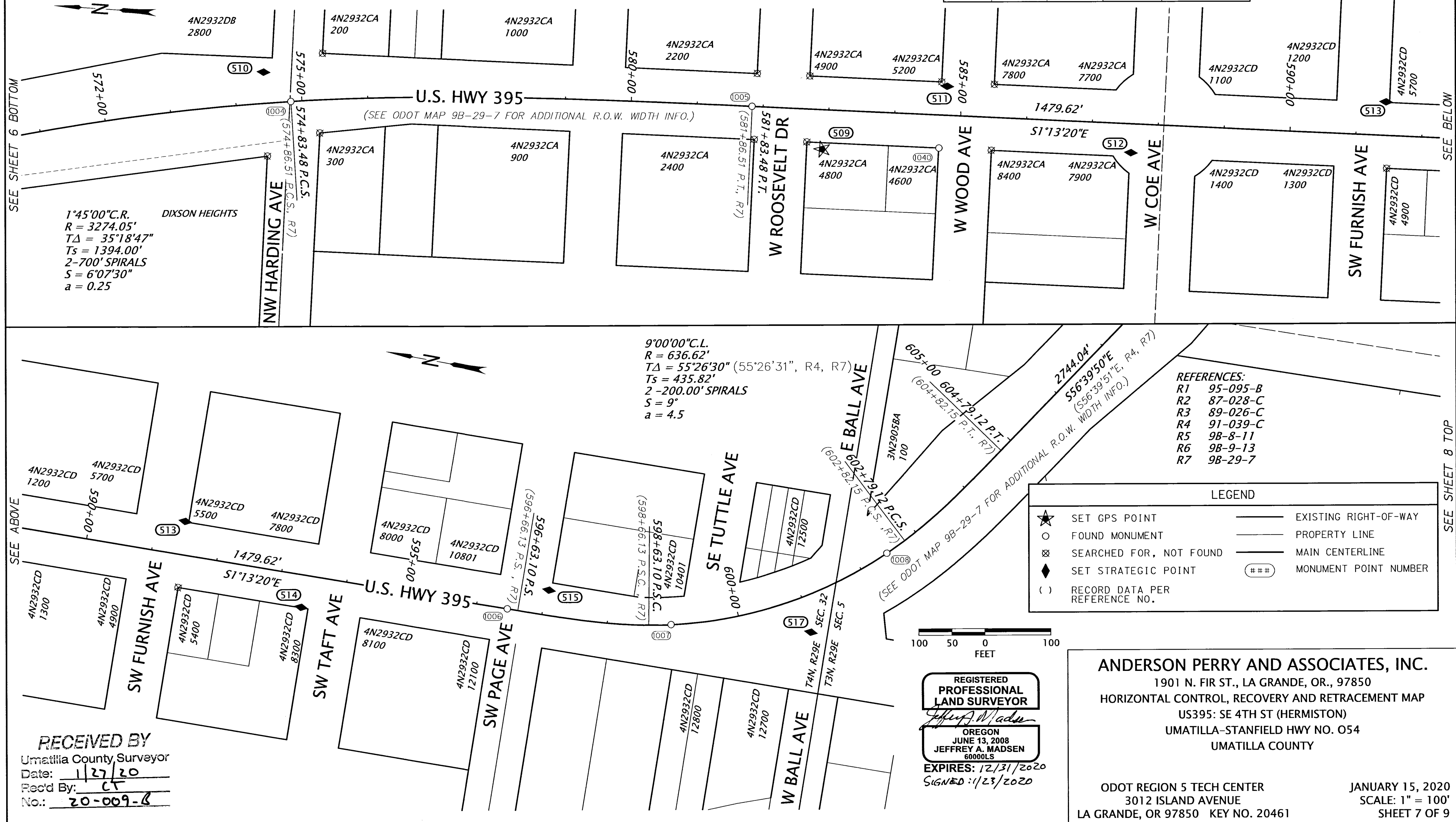
NW 1/4 & SW 1/4 SECTION 32, T4N R29E;
NW 1/4 SECTION 5, T3N, R29E WM

MONUMENT POINT TABLE

POINT #	NORTHING	EASTING	DATE	STATION	OFFSET	DESCRIPTION AND REFERENCES
1004	143898.05	819238.22	5/31/19	574+76.40	0.09 RT	FOUND 3" BRASS CAP IN MON CASE, OREGON STATE HIGHWAY DIV. (CONSTR.) 574+86.16 P.C.S.; MOS 91-39-8
1005	143199.55	819278.12	5/31/19	581+76.40	0.05 RT	FOUND 3" BRASS CAP IN MON CASE, OREGON STATE HIGHWAY DIV. (CONSTR.) 581+86.16 P.T.; MOS 91-39-8
1006	141736.22	819309.34	5/31/19	596+40.06	0.05 RT	FOUND 3" BRASS CAP IN MON CASE, OREGON STATE HIGHWAY DIV. (CONSTR.) 596+49.82; MOS 91-39-8
1007	141487.66	819331.44	5/31/19	598+90.13	0.12 LT	FOUND 3" BRASS CAP IN MON CASE, OREGON STATE HIGHWAY DIV. (CONSTR.) 598+99.82 P.S.C.; MOS 91-39-8
1008	141186.05	819498.32	5/31/19	602+39.21	0.01 RT	FOUND 3" BRASS CAP IN MON CASE, OREGON STATE HIGHWAY DIV. (CONSTR.) 602+49.19 P.C.S.; MOS 91-39-8
1040	142912.51	819234.13	5/31/19	584+69.24	50.15 RT	FOUND 1/2" IRON ROD, 0.5' BELOW GND (STRAIGHT); MOS Q-0118-A

CONTROL POINT TABLE

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
509	143088.85	819220.54	595.76	APA_RPC
510	143942.48	819279.82	601.42	APA_H+MAG
511	142906.31	819328.24	597.51	APA_NLSPK
512	142621.45	819246.68	594.11	APA_INCONC
513	142240.69	819349.38	593.40	APA_MAGNAIL
514	142044.06	819253.58	593.62	APA_MAGNAIL
515	141679.33	819348.96	594.51	APA_NLSPK
517	141276.97	819359.28	596.03	APA_NLSPK



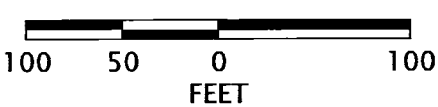
1°45'00" C.R.
R = 3274.05'
TΔ = 35°18'47"
Ts = 1394.00'
2-700' SPIRALS
S = 6°07'30"
a = 0.25

9°00'00" C.L.
R = 636.62'
TΔ = 55°26'30" (55°26'31", R4, R7)
Ts = 435.82'
2-200.00' SPIRALS
S = 9°
a = 4.5

- REFERENCES:
- R1 95-095-B
 - R2 87-028-C
 - R3 89-026-C
 - R4 91-039-C
 - R5 98-8-11
 - R6 98-9-13
 - R7 98-29-7

LEGEND

★	SET GPS POINT	—	EXISTING RIGHT-OF-WAY
○	FOUND MONUMENT	—	PROPERTY LINE
⊗	SEARCHED FOR, NOT FOUND	—	MAIN CENTERLINE
◆	SET STRATEGIC POINT	###	MONUMENT POINT NUMBER
()	RECORD DATA PER REFERENCE NO.		



REGISTERED PROFESSIONAL LAND SURVEYOR
JEFFREY A. MADSEN
OREGON
JUNE 13, 2008
JEFFREY A. MADSEN
6000LS
EXPIRES: 12/31/2020
SIGNED: 1/23/2020

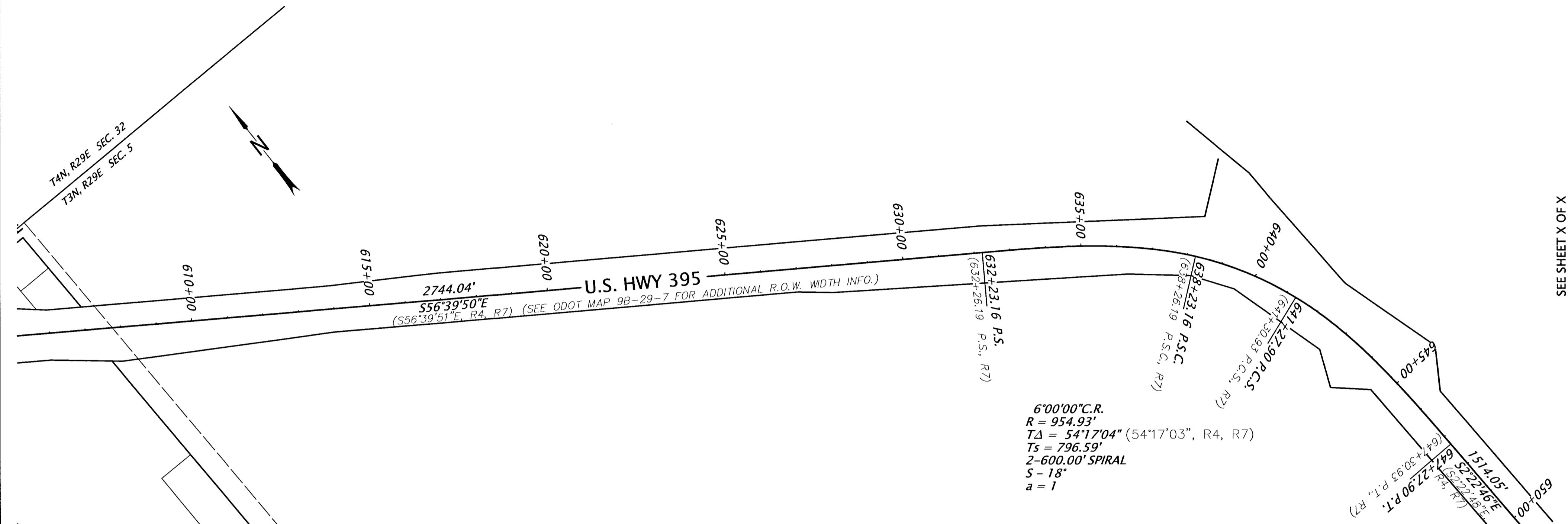
ANDERSON PERRY AND ASSOCIATES, INC.
1901 N. FIR ST., LA GRANDE, OR., 97850
HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT MAP
US395: SE 4TH ST (HERMISTON)
UMATILLA-STANFIELD HWY NO. 054
UMATILLA COUNTY

ODOT REGION 5 TECH CENTER
3012 ISLAND AVENUE
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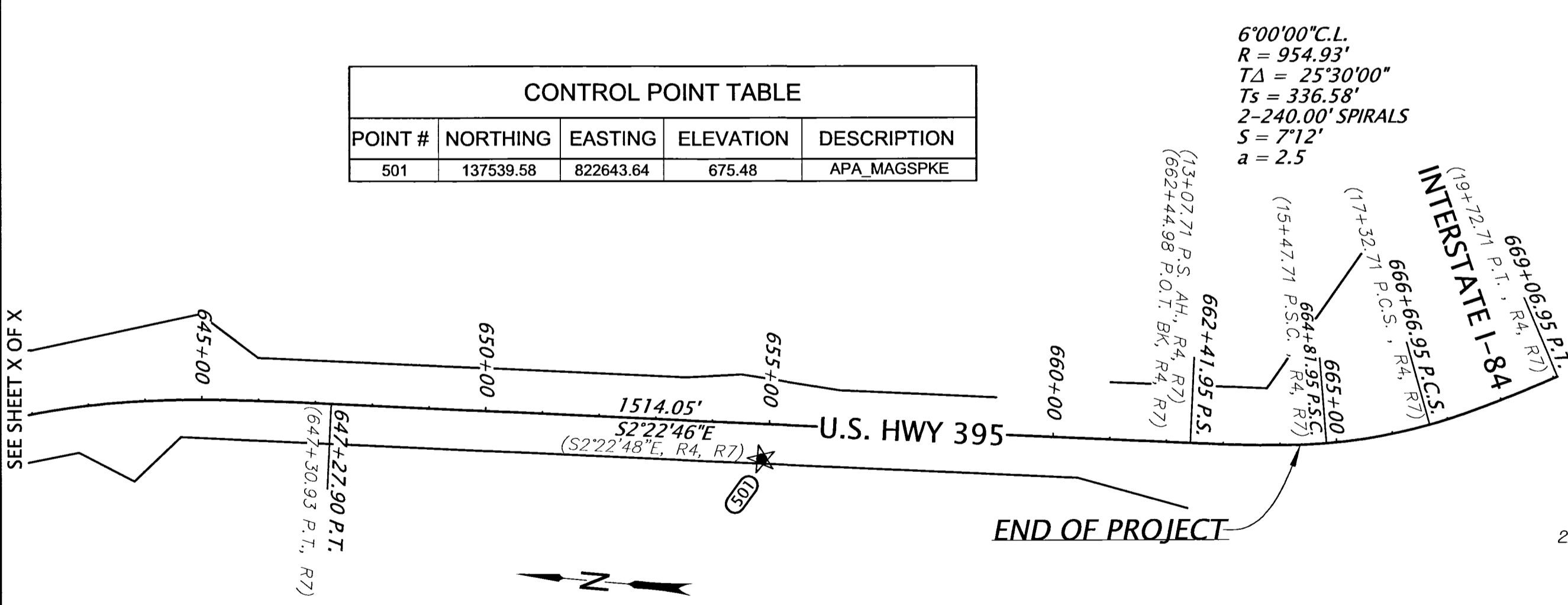
JANUARY 15, 2020
SCALE: 1" = 100'
SHEET 7 OF 9

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NW1/4, NE 1/4 & SE 1/4 SECTION 5; NW1/4 & SW 1/4 SECTION 4, T3N R29E WM



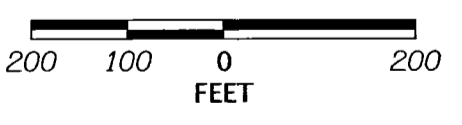
CONTROL POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
501	137539.58	822643.64	675.48	APA_MAGSPKE



LEGEND	
★	SET GPS POINT
()	RECORD DATA PER REFERENCE NO.
—	EXISTING RIGHT-OF-WAY
—	PROPERTY LINE
—	MAIN CENTERLINE

- REFERENCES:
 R1 95-095-B
 R2 87-028-C
 R3 89-026-C
 R4 91-039-C
 R5 98-8-11
 R6 98-9-13
 R7 98-29-7

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 Date: 1/27/20
 Rec'd By: CT
 No.: 20-009-8



REGISTERED PROFESSIONAL LAND SURVEYOR
 JEFFREY A. MADSEN
 60000LS
 OREGON
 JUNE 13, 2008
 EXPIRES: 12/31/2020
 SIGNED: 1/23/2020

ANDERSON PERRY AND ASSOCIATES, INC.
 1901 N. FIR ST., LA GRANDE, OR., 97850
 HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT MAP
 US395: SE 4TH ST (HERMISTON)
 UMATILLA-STANFIELD HWY NO. 054
 UMATILLA COUNTY

ODOT REGION 5 TECH CENTER
 3012 ISLAND AVENUE
 LA GRANDE, OR 97850 KEY NO. 20461

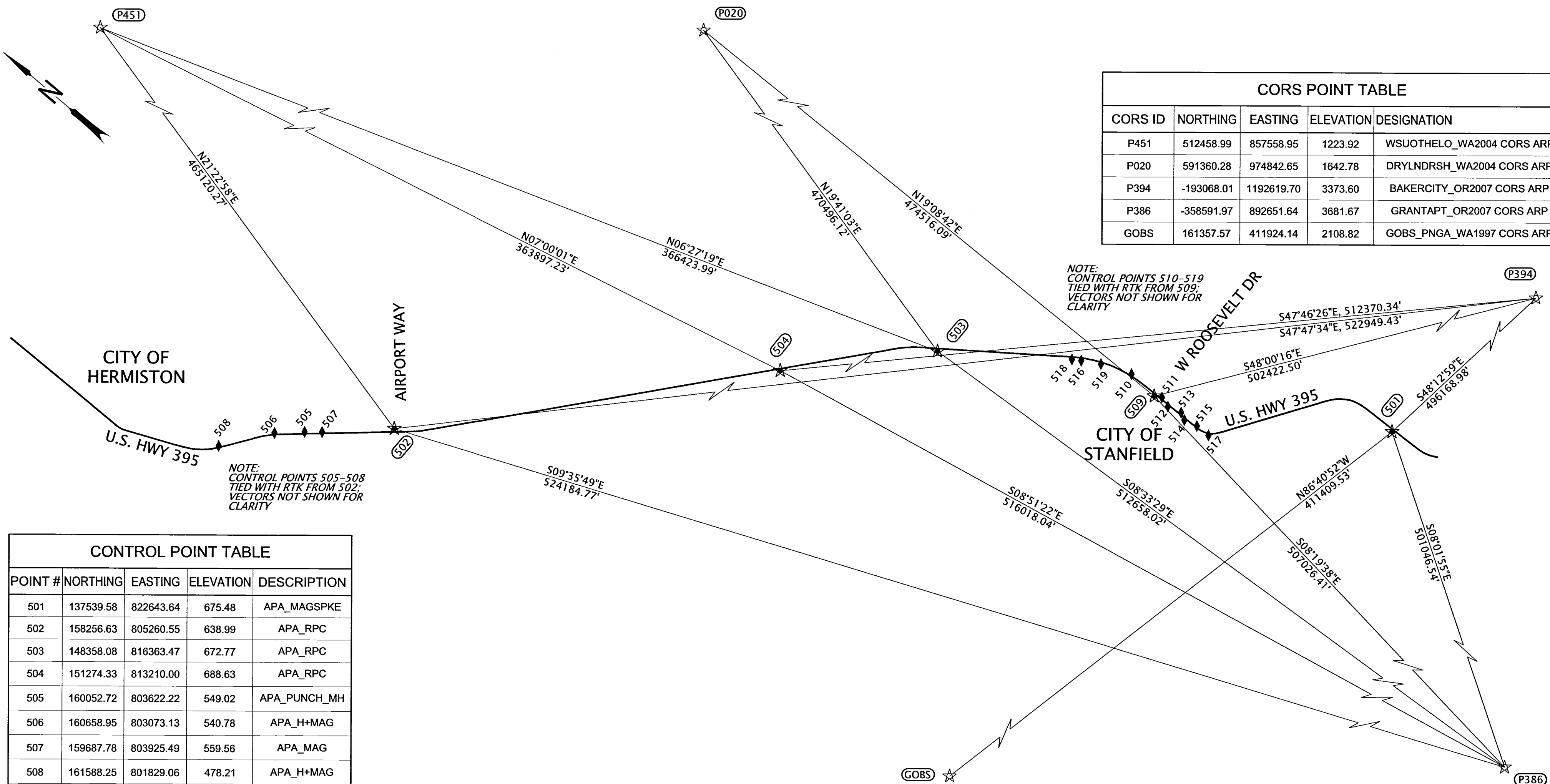
JANUARY 15, 2020
 SCALE: 1" = 200'
 SHEET 8 OF 9

SEE SHEET X OF X

SEE SHEET X OF X

SEE SHEET X OF X

CORS POINT TABLE				
CORS ID	NORTHING	EASTING	ELEVATION	DESIGNATION
P451	512458.99	857558.95	1223.92	WSUOTHELO_WA2004 CORS ARP
P020	591360.28	974842.65	1642.78	DRYLNDRSH_WA2004 CORS ARP
P394	-193068.01	1192619.70	3373.60	BAKERCITY_OR2007 CORS ARP
P386	-358591.97	892651.64	3681.67	GRANTAPT_OR2007 CORS ARP
GOBS	161357.57	411924.14	2108.82	GOBS_PNGA_WA1997 CORS ARP



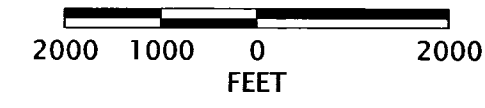
NOTE:
CONTROL POINTS 505-508
TIED WITH RTK FROM 502.
VECTORS NOT SHOWN FOR
CLARITY

NOTE:
CONTROL POINTS 510-519
TIED WITH RTK FROM 509.
VECTORS NOT SHOWN FOR
CLARITY

CONTROL POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
501	137539.58	822643.64	675.48	APA_MAGSPKE
502	158256.63	805260.55	638.99	APA_RPC
503	148358.08	816363.47	672.77	APA_RPC
504	151274.33	813210.00	688.63	APA_RPC
505	160052.72	803622.22	549.02	APA_PUNCH_MH
506	160658.95	803073.13	540.78	APA_H+MAG
507	159687.78	803925.49	559.56	APA_MAG
508	161588.25	801829.06	478.21	APA_H+MAG
509	143088.85	819220.54	595.76	APA_RPC
510	143942.48	819279.82	601.42	APA_H+MAG
511	142906.31	819328.24	597.51	APA_NLSPK
512	142621.45	819246.68	594.11	APA_INCONC
513	142240.69	819349.38	593.40	APA_MAGNAIL
514	142044.06	819253.58	593.62	APA_MAGNAIL
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517	141276.97	819359.28	596.03	APA_NLSPK
518	145432.39	818543.92	653.44	APA_MAG
519	144751.79	818954.38	644.73	APA_MAG

LEGEND			
☆	GPS STATION (CORS)	—	MAIN CENTERLINE
★	SET GPS CONTROL POINT	###	CONTROL POINT NUMBER
◆	SET STRATEGIC POINT		

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Date: 1/27/20
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JANUARY 15, 2020
SCALE: 1" = 2000'
SHEET 9 OF 9