

NARRATIVE

PURPOSE:

THE PURPOSE OF THIS SURVEY WAS TO COMPLY WITH THE SCOPE OF WORK REQUIREMENTS FOR OREGON BRIDGE DELIVERY PARTNERS (ODDP) OTIA III STATE BRIDGE DELIVERY PROGRAM FOR THE OREGON DEPARTMENT OF TRANSPORTATION (ODOT). CONTRACT ATA# 23856, WOC# 3-206, I-84: IRRIGON JUNCTION - HILGARD INTERCHANGE, BUNDLE 206, PROJECT KEY NUMBER 14028, ODDP SUBCONTRACT NUMBER A1L2000002.90.K001. THIS SURVEY IS FOR THE IRRIGON JUNCTION INTERCHANGE PROJECT SITE AT MILEPOST 167.95, HIGHWAY NO. 6(I-84) AND HIGHWAY NO. 730. THE REQUIREMENTS INCLUDED ESTABLISHING A GEODETIC CONTROL NETWORK OVER THE PROJECT SITE, DETERMINATION OF RIGHT-OF-WAY LINES AND RECOVERY OF BOUNDARY AND RIGHT-OF-WAY MONUMENTS. THIS SURVEY COMPLIES WITH ORS 209.155, FOR A RECOVERY SURVEY. MONUMENTS RECOVERED WERE LOCATED BY BOTH GPS AND CONVENTIONAL SURVEY METHODS FROM CONTROL POINTS.

CONTROL NETWORK:

ODOT SURVEY REQUIREMENTS INCLUDED SETTING GEODETIC CONTROL MONUMENTS ESTABLISHED BY GPS METHODS WITH COORDINATES PUBLISHED ON OREGON STATE PLANE COORDINATE SYSTEM, REDUCED TO LOCAL GROUND COORDINATES [LOCAL DATUM PLANE (LDP)]. AN EXISTING NGS CONTROL STATION WAS RECOVERED AND USED TO CONTROL THIS SURVEY. NEW GPS CONTROL MONUMENTS WERE SET AND A CONVENTIONAL TRAVERSE WAS RUN BETWEEN THE GPS CONTROL POINTS TO ESTABLISH A CONTROL NETWORK OVER THE PROJECT SITE. THE NEWLY ESTABLISHED CONTROL STATIONS WERE OBSERVED MULTIPLE TIMES TO PROVIDE REDUNDANCY AND QUALITY CHECKS OF THE GPS MEASUREMENTS. ALL GPS OBSERVATIONS WERE INDIVIDUALLY ANALYZED WITHIN TRIMBLE GEOMATICS OFFICE (TGO) V. 1.61, TO VERIFY THE QUALITY OF GPS DATA COLLECTED AND TO EXCLUDE ANY OUTLIERS FROM THE DATA SET. ALL ACCEPTED COORDINATES FOR EACH NEW CONTROL STATION WERE THEN AVERAGED TO PRODUCE THE FINAL POSITION. HORIZONTAL AND VERTICAL CHECKS WERE MADE TO EXISTING NGS GPS CONTROL STATIONS AND AN ODOT BENCHMARK LOCATED WITHIN THE PROJECT AREA. ALL GPS OBSERVATIONS ON KNOWN CONTROL STATIONS WERE FIELD VERIFIED TO MEET PROJECT ACCURACIES, PRIOR TO ANY OBSERVATIONS OF NEW CONTROL STATIONS. THE SURVEY WAS COMPLETED USING BOTH STATIC AND RTK SURVEY METHODS WITH A TRIMBLE SYSTEM CONSISTING OF A 5700 BASE STATION AND 5700 ROVER RECEIVER. THE HORIZONTAL DATUM USED FOR THIS PROJECT WAS NAD 83/91, OREGON NORTH ZONE (INTERNATIONAL FEET). THE VERTICAL CONTROL WAS BASED ON ODOT BENCH MARK NO. F-124, DATUM IS NGVD 1929/47, ELEVATION 394.372 (U.S. SURVEY FEET). THIS SURVEY WAS PERFORMED FROM JUNE 2005 TO JULY 2005. THE PROJECT'S COORDINATE SYSTEM WAS CONVERTED TO A LOCAL DATUM PLANE (LDP) USING THE COMBINED SCALE FACTOR COMPUTED AT POINT NO. 2. TO CONVERT THE LDP COORDINATES TO THE OREGON STATE PLANE SYSTEM, MULTIPLY THE COORDINATE VALUES BY THE COMBINED SCALE FACTOR OF 0.99994380766.

PROJECT DATA SOURCE:

OREGON DEPARTMENT OF TRANSPORTATION RIGHT-OF-WAY MAPS CONSTRUCTION PLANS AND ODOT RIGHT OF WAY FILES DOCUMENTS LISTED ON SHEET NO. 1 WERE USED AS THE PRIMARY SOURCE OF INFORMATION TO DETERMINE THE 'WB' LINE FOR HIGHWAY 6(I-84), THE 'L' LINE FOR HIGHWAY NO. 730 AND THE IRRIGON JUNCTION INTERSECTION ALIGNMENT LINES SHOWN HERON.

BOARDMAN TO UMATILLA CO. LINE SECTION, OLD OREGON TRAIL HIGHWAY, HIGHWAY NO. 6(I-84), 'WB' LINE:

THE 'WB' LINE WAS DETERMINED BY HOLDING THE CALCULATED BEST FIT LINE THROUGH FOUND REFERENCE MONUMENTS AT POINT NO.'S 100, 102, 104, 105, 106 AND 107 TOGETHER WITH THE OFFSET DISTANCE OF 50.00 FEET AS SHOWN ON ODOT MAP 5B-28-20(1). THE REFERENCE MONUMENTS ARE LISTED ON SAID MAP WITH STATIONING AND A NOTE: "SET CONC. MON. W/BR. DISK".

BOARDMAN JUNCTION TO IRRIGON SECTION, COLUMBIA RIVER HIGHWAY, HIGHWAY NO. 730, 'L' LINE:

THE 'L' LINE WAS DETERMINED BY HOLDING STATION 100+00.00 AS ESTABLISHED BELOW AND THE FOUND MONUMENT AT POINT NO. 110, TOGETHER WITH THE RECORD RIGHT OF WAY DISTANCE (150.00') LISTED IN ODOT R/W FILE NO. 22263(23) AND ON MAP 8B-19-1(4). THIS CENTERLINE ALIGNMENT FITS THE CENTERLINE OF THE HIGHWAY NO. 730 BRIDGE OVER THE UNION PACIFIC RAILROAD BETWEEN STATION 138+71 AND STATION 140+72 WITHIN 0.10 OF A FOOT.

'L' LINE STATION 100+00.00 = 'WB' LINE STATION 270+16.36, AS SHOWN ON ODOT MAP 8B-19-1(2) AND IN ODOT R/W FILE NO. 22263(23) = MAP FILE NO. 32323. THE 'WB' LINE STATION WAS HELD FOR THE EQUATION STATION.

ALIGNMENTS 'A', 'B', 'C', 'BR', 'BRB', 'BRAL', 'DA', 'FR' AND 'UE' LINES:

THE ALIGNMENTS WERE CALCULATED HOLDING THE GEOMETRIC CURVE AND SPIRAL DATA FROM THE ODOT CONSTRUCTION PLANS NO.'S 7V-75(5) AND 18V-117(6), HOLDING 'WB' STATION 270+16.36=L' 100+00.00 TO LAY OUT THE ALIGNMENTS SHOWN HERON.

ALIGNMENT BOMBING RANGE ROAD:

BOMBING RANGE ROAD WAS CONVEYED TO MORR/W CO. IN THAT CERTAIN DEED RECORDED IN BOOK 68 PAGE 578 (ODOT R/W FILE NO. 28809) BEING A STRIP OF LAND 150 FEET WIDE, ALONG THE EAST SECTION LINE (IMPLIED PARALLELISM) FROM THE SE CORNER OF SECTION 13, NORTH TO THE SOUTH RIGHT OF WAY LINE OF HIGHWAY 30 (NOW HWY. 6/I-84). ODOT MAPS 8B-10-18(2) AND 5B-28-20(1) BOTH SHOW THE ROAD 150 FEET WIDE WITH NO DIMENSIONS TO THE CENTERLINE ALIGNMENT, BUT SCALE APPROXIMATELY 67.5 FEET ON THE EAST SIDE AND 82.5 ON THE WEST SIDE. BOTH MAPS SHOW SAID CENTERLINE ALIGNMENT STARTING AT THE EQUATION STATION 'WB'270+16.36=L'100+00.00, AND EXTENDING SOUTH BUT NOT PARALLEL WITH THE EAST SECTION LINE. THIS SURVEY HELD A LINE PARALLEL WITH THE EAST LINE OF SECTION 13 FROM SAID EQUATION STATION, SOUTH TO A POINT OPPOSITE THE EAST ONE QUARTER CORNER (PT. 109). ODOT MAP 8B-10-18(2) LISTS EQUATION STATION 'WB'270+16.36+0+00.00 BOMBING RANGE ROAD.

() DENOTES REFERENCE DOCUMENT

BASIS OF BEARING

OREGON STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NAD 83/91. BASED ON OBSERVATIONS USING NGS STATION "MOLE", PID RB1458.

ABBREVIATIONS

AH.	AHEAD
ALUM.	ALUMINUM MONUMENT
BD	BRASS DISK
BRG.	BEARING
BK	BACK
CHD.	CHORD
CONC.	CONCRETE
DEPT.	DEPARTMENT
DIV.	DIVISION
EQUA.	EQUATION
FND.	FOUND
GALV.	GALVANIZED
GND.	GROUND
HWY.	HIGHWAY
IR	IRON ROD
L	LEFT
MON.	MONUMENT
NET.	NETWORK
NO.	NUMBER
ODOT	OREGON DEPARTMENT OF TRANSPORTATION
OS.H.D.	OREGON STATE HIGHWAY DEPARTMENT
OR	OREGON
P.C.	POINT OF CURVE
PID	PERMANENT IDENTIFIER
P.O.C.	POINT ON CURVE
P.O.S.	POINT OF SPIRAL
P.O.T.	POINT ON TANGENT
P.S.C.	POINT OF SPIRAL CURVE
P.T.	POINT OF TANGENCY
PT	POINT
R & RT	RIGHT
RPC	RED PLASTIC CAP
R/W	RIGHT OF WAY
STA.	STATION
S.H.D.	STATE HIGHWAY DEPARTMENT REFERENCE
S.H.R.P.	STATE HIGHWAY REFERENCE POST
TRANS.	TRANSPORTATION
W/	WITH
WM	WILLAMETTE MERIDIAN
(X)	DENOTES REFERENCE NUMBER

REFERENCES

1. ODOT MAP 5B-28-20
2. ODOT MAP 8B-10-18
3. ODOT MAP 10C-39-5
4. ODOT MAP 8B-19-1
5. ODOT CONSTRUCTION PLAN NO. 7V-75
6. ODOT CONSTRUCTION PLAN NO. 18V-117

MORROW COUNTY RECORD OF SURVEY

FILE NO.	FOLDER NO.
7. B-876-K	274
8. B OR C-815-K	527
9. C-1198-E	972
10. B-284-K	189
11. B-659	239
12. B-1037-E	810
13. B-850-K	263
14. A-878-K	68
15. C-1063-E	836

ODOT RIGHT OF WAY FILES

16. 54240
17. 32321
18. 32320
19. 28809
20. 32319
21. 54037
22. 5739
23. 22263
24. 32060
25. 22930

DEED RECORDS OF MORROW COUNTY

26. BOOK 62 PAGE 579

GPS NETWORK DATA

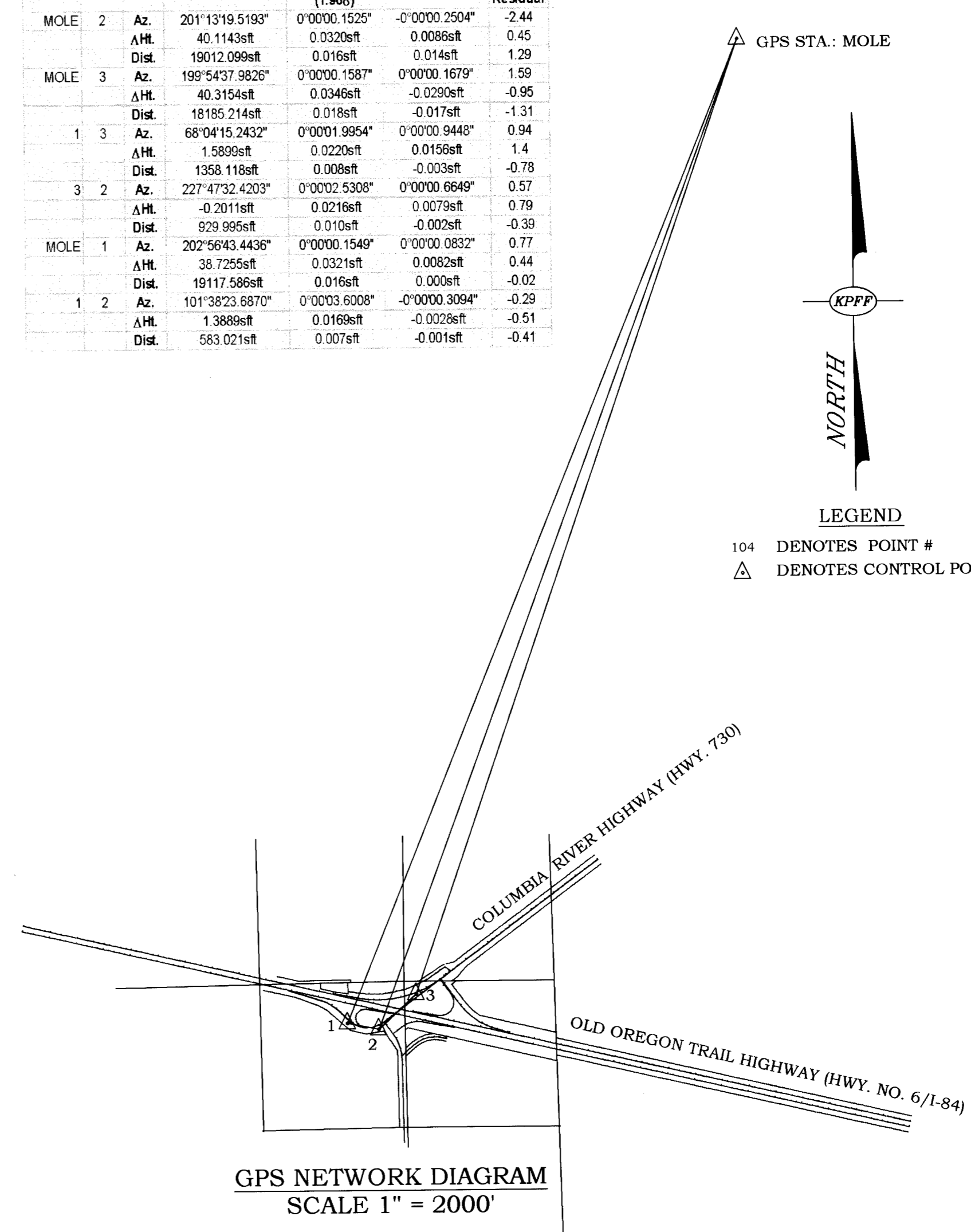
ADJUSTED OBSERVATIONS

ADJUSTMENT PERFORMED IN WGS-84

GPS OBSERVATIONS
NUMBER OF OBSERVATION = 6
NUMBER OF OUTLIERS = 0

OBSERVATIONS ADJUSTMENT (CRITICAL TSU=2.50)

From Pt.	To Pt.		Observation	A-posteriori Error (1.96σ)	Residual	Stand. Residual
MOLE	2	Az.	201°13'19.5193"	0°00'00.1525"	-0°00'00.2504"	-2.44
		ΔHt.	40.11438ft	0.03208ft	0.00868ft	0.45
MOLE	3	Az.	199°54'37.9826"	0°00'00.1587"	0°00'00.1679"	1.59
		ΔHt.	40.31548ft	0.03468ft	-0.02908ft	-0.95
	1	Az.	68°04'15.2432"	0°00'01.9954"	0°00'00.9448"	0.94
		ΔHt.	1.58998ft	0.02208ft	0.01568ft	1.4
	3	Az.	227°47'32.4203"	0°00'02.5308"	0°00'00.6649"	0.57
		ΔHt.	-0.20118ft	0.02168ft	0.00798ft	0.79
MOLE	1	Az.	202°56'43.4436"	0°00'00.1549"	0°00'00.0832"	0.77
		ΔHt.	38.72558ft	0.03218ft	0.00828ft	0.44
MOLE	2	Az.	101°38'23.6870"	0°00'03.6008"	-0°00'00.3094"	-0.29
		ΔHt.	1.38898ft	0.01698ft	-0.00288ft	-0.51
		Dist.	583.0218ft	0.0078ft	-0.0018ft	-0.41



GPS NETWORK DIAGRAM
SCALE 1" = 2000'

RECEIVED BY
Morrow County Surveyor
Date Dec 9, 2005
Rec'd By SKB
No. 1455-C

"I CERTIFY THAT THIS SURVEY WAS PREPARED USING HP PRODUCT #51640A ON CONTINENTAL #JPC4M2 POLYESTER FILM."

REGISTERED PROFESSIONAL LAND SURVEYOR
Timothy D. Mahoney
OREGON
JULY 26, 1988
TIMOTHY D. MAHONEY
2347
EXPIRES 12/31/07

1/4 SECTION:	SEE TITLE TEXT
TOWNSHIP/RANGE:	SEE TITLE TEXT
TAX LOT NO.:	
FILE:	A14028MRW.DWG
SURVEYED BY:	GLE, RT, JD, TM

kpff Consulting Engineers
111 SW Fifth Avenue, Suite 2500 Portland, OR 97204-3628
(503) 227-3251 Civil Fax (503) 274-4681
Portland Seattle Los Angeles San Francisco San Diego Phoenix Irvine Virginia

HORIZONTAL CONTROL, RECOVERY & RETRACEMENT SURVEY, IRRIGON JUNCTION INTERCHANGE,
for **OREGON DEPARTMENT OF TRANSPORTATION**
OLD OREGON TRAIL HIGHWAY, HWY. 6 (I-84) & HWY. 730
IN S.E. 1/4, SEC. 12 & N.E. 1/4, SEC. 13, T. 4 N., R. 25 E.,
& S.W. 1/4, SEC. 7 & N.W. 1/4 SEC. 18, T. 4 N., R. 26 E., W.M., MORROW CO., OREGON

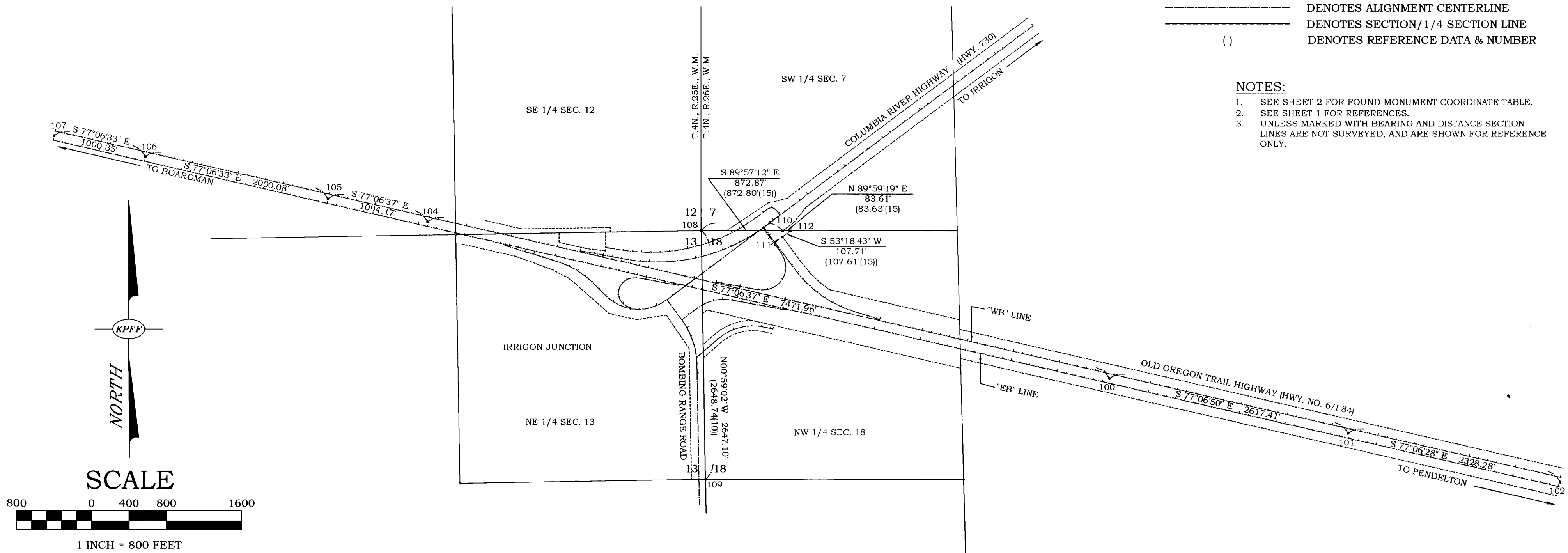
DATE:	12/08/05
SCALE:	N/A
CONTOUR INTERVAL:	N/A
PROJECT NO.:	304149.81
SHEET:	1 OF 7

LEGEND

- DENOTES FOUND MONUMENT AS NOTED
- 104 DENOTES FOUND MONUMENT/TRaverse POINT #
- △ DENOTES CONTROL/TRaverse POINT
- DENOTES RIGHT-OF-WAY LINE
- ===== DENOTES ALIGNMENT CENTERLINE
- ===== DENOTES SECTION/1/4 SECTION LINE
- () DENOTES REFERENCE DATA & NUMBER

NOTES:

1. SEE SHEET 2 FOR FOUND MONUMENT COORDINATE TABLE.
2. SEE SHEET 1 FOR REFERENCES.
3. UNLESS MARKED WITH BEARING AND DISTANCE SECTION LINES ARE NOT SURVEYED, AND ARE SHOWN FOR REFERENCE ONLY.



NO.	LDP NORTHING	LDP EASTING	DESCRIPTION	REFERENCE NO.	STATION - OFFSET
100	790382.2264	8430380.896	FND 3" B/D STAMPED, "S.H.D. REF. 315+62.78", 0.40' BELOW GND. W/ POST AND TAG STAMPED "P.O.T.", GOOD CONDITION	1	PT. 100 'WB' 315+63.65 50.03 RT.
101	789798.5039	8432932.382	FND 3" B/D SET IN CONC., STAMPED "S.H.D. REF. NO. 341+81.30", 1.30' BELOW GND., W/ POST AND TAG STAMPED "P.O.T.", GOOD CONDITION	1	PT. 101 'WB' 341+81.06 49.87 RT.
102	789279.0226	8435201.969	FND 3" B/D SET IN CONC., STAMPED "S.H.D. REF. NO. 365+10.55", 0.40' BELOW GND., W/ POST AND TAG STAMPED "P.O.T.", GOOD CONDITION	1	PT. 102 'WB' 365+09.33 49.97 RT.
104	792049.0427	8423097.218	FND 3" B/D SET IN CONC., STAMPED "S.H.D. REF.", 0.35' BELOW GND., W/ POST AND TAG STAMPED "240+91.97 AH/240+95.85 BK P.O.T."	1	PT. 104 'WB' 240+91.69 50.02 RT.
105	792293.1235	8422030.623	FND 3" B/D SET IN CONC., STAMPED "S.H.D. REF.", 0.10' BELOW GND. W/ POST AND TAG STAMPED "230+00.44 P.O.T.", GOOD CONDITION	1	PT. 105 'WB' 229+97.52 50.03 RT.
106	792739.3309	8420080.948	FND 3" B/D SET IN CONC., STAMPED "S.H.D. REF.", 0.3' BELOW GND., W/ POST AND TAG STAMPED "209+99.71 P.O.T.", GOOD CONDITION	1	PT. 106 'WB' 209+97.44 49.99 RT.
107	792962.5031	8419105.814	FND 3" B/D SET IN CONC., STAMPED "S.H.D. REF.", FLUSH W/ GND., W/ POST AND TAG STAMPED "199+99.68 P.O.T.", GOOD CONDITION	1	PT. 107 'WB' 199+97.09 49.97 RT.
108	791954.7924	8426020.748	FND 2.5" B/D ON 2" IP, 0.25' ABOVE GND., STAMPED "US GENERAL LAND OFFICE SURVEY 1939, T4N R25E-R26E, S7, S12, S13, S18", GOOD CONDITION		
109	789308.081	8426066.199	FND 2.5" B/D SET ON 2" IP, 1.2' BELOW GND., STAMPED "US GENERAL LAND OFFICE SURVEY 1939, 1/4, S13, S18", GOOD CONDITION		
110	791954.081	8426893.6156	FND 5/8" IR W/ NO CAP, SET IN CONC. OF ROW FENCE ANGLE POINT ON NORTH EDGE OF DIRT ROAD, GOOD CONDITION	15	PT. 110 HWY. 730 'L' 110+53.11 150.29 RT.
111	791889.7428	8426890.854	FND 5/8" IR W/ YPC, STAMPED "EDWARDS LS 951", 0.4' BELOW GND., STRAIGHT	15	PT. 111 HWY. 730 'L' 110+12.45 200.24 RT.
112	791954.0975	8426977.2303	FND 5/8" IR W/ YPC, STAMPED "EDWARDS LS 951", FLUSH W/ GND, STRAIGHT	15	PT. 112 HWY. 730 'L' 111+20.16 200.24 RT.

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SECTION: 7, 12, 13 & 18
TOWNSHIP/RANGE: T4N, R25E, R26E
TAX LOT NO:
FILE: A14028MRW.DWG
SURVEYED BY: GLE, RT, JD, TM

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OLD OREGON TRAIL HIGHWAY, HWY. 6 (I-84) & HWY. 730
IN S.E. 1/4, SEC. 12 & N.E. 1/4, SEC. 13, T. 4 N., R. 25 E.,
& S.W. 1/4, SEC. 7 & N.W. 1/4 SEC. 18, T. 4 N., R. 26 E., W.M., MORROW CO., OREGON

DATE: 12/08/05
SCALE: 1" = 800'
CONTOUR INTERVAL: N/A
PROJECT NO: 304149.81
SHEET: 2 OF 7

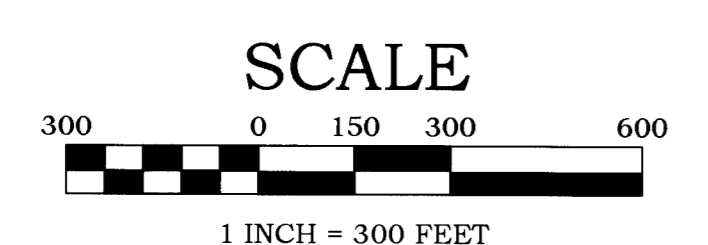
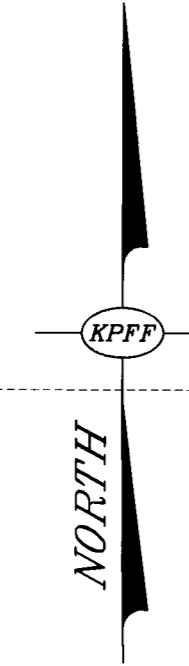
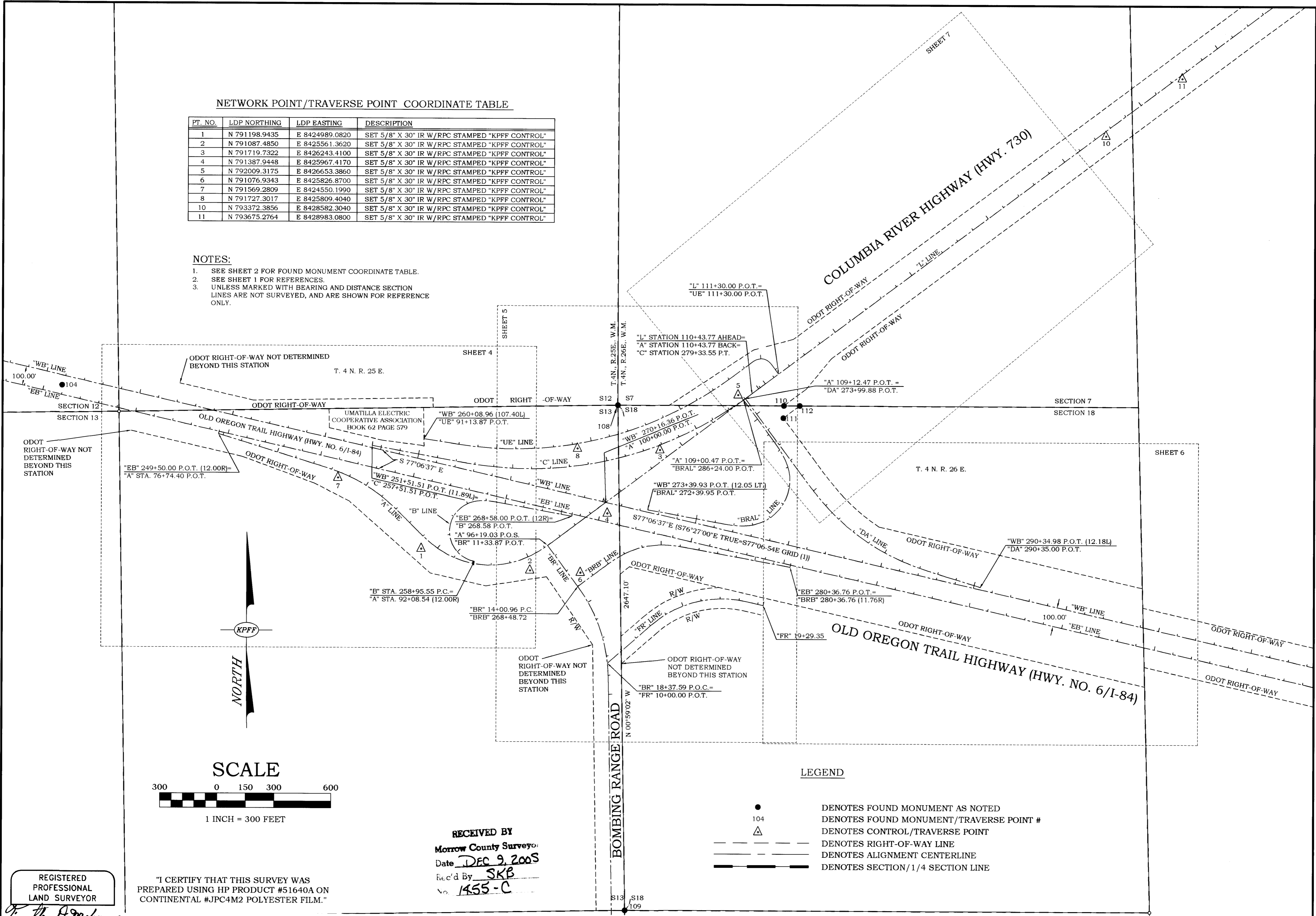
1455

NETWORK POINT/TRaverse POINT COORDINATE TABLE

PT. NO.	LDP NORTHING	LDP EASTING	DESCRIPTION
1	N 791198.9435	E 8424989.0820	SET 5/8" X 30" IR W/RPC STAMPED "KPFF CONTROL"
2	N 791087.4850	E 842556.13620	SET 5/8" X 30" IR W/RPC STAMPED "KPFF CONTROL"
3	N 791719.7322	E 8426243.4100	SET 5/8" X 30" IR W/RPC STAMPED "KPFF CONTROL"
4	N 791387.9448	E 8425967.4170	SET 5/8" X 30" IR W/RPC STAMPED "KPFF CONTROL"
5	N 792009.3175	E 8426653.3860	SET 5/8" X 30" IR W/RPC STAMPED "KPFF CONTROL"
6	N 791076.9343	E 8425826.8700	SET 5/8" X 30" IR W/RPC STAMPED "KPFF CONTROL"
7	N 791569.2809	E 8424550.1990	SET 5/8" X 30" IR W/RPC STAMPED "KPFF CONTROL"
8	N 791727.3017	E 8425809.4040	SET 5/8" X 30" IR W/RPC STAMPED "KPFF CONTROL"
10	N 793372.3856	E 8428582.3040	SET 5/8" X 30" IR W/RPC STAMPED "KPFF CONTROL"
11	N 793675.2764	E 8428983.0800	SET 5/8" X 30" IR W/RPC STAMPED "KPFF CONTROL"

NOTES:

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LEGEND

●	DENOTES FOUND MONUMENT AS NOTED
△	DENOTES FOUND MONUMENT/TRaverse POINT #
—	DENOTES CONTROL/TRaverse POINT
- - -	DENOTES RIGHT-OF-WAY LINE
—+—	DENOTES ALIGNMENT CENTERLINE
— — —	DENOTES SECTION/1/4 SECTION LINE

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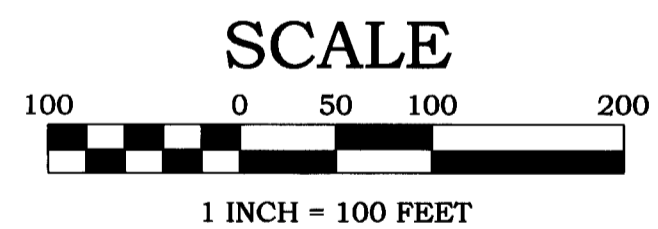
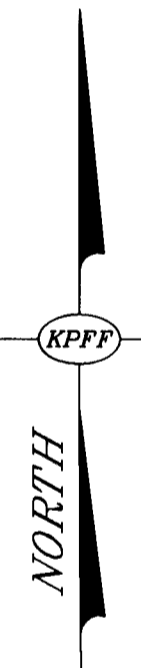
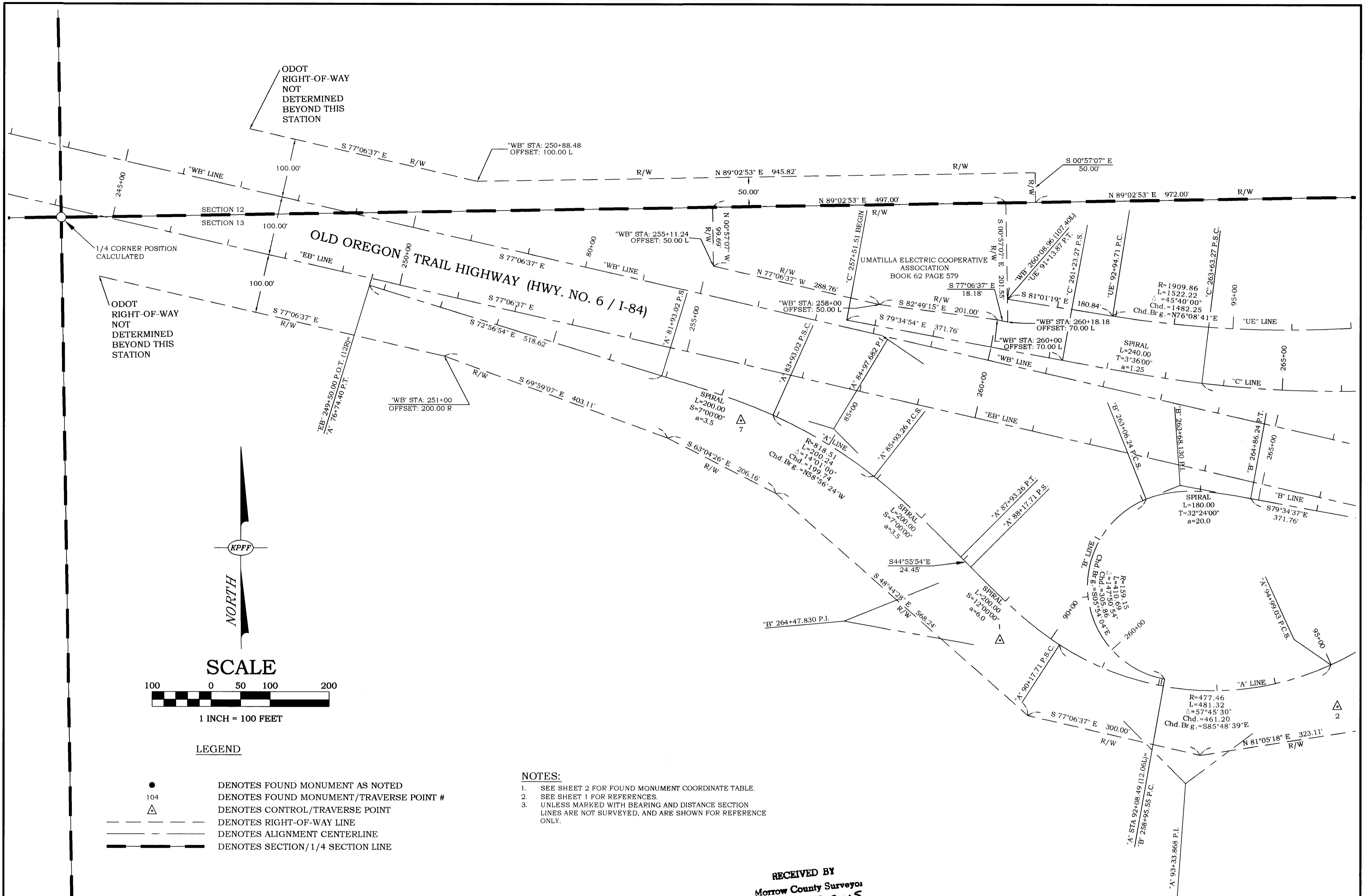
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 IN S.E. 1/4, SEC. 12 & N.E. 1/4, SEC. 13, T. 4 N., R. 25 E.,
 & S.W. 1/4, SEC. 7 & N.W. 1/4 SEC. 18, T. 4 N., R. 26 E., W.M., MORROW CO., OREGON

DATE:	12/08/05
SCALE:	1" = 300'
CONTOUR INTERVAL:	N/A
PROJECT NO.:	304149.81
SHEET:	3 OF 7

1455



LEGEND

- DENOTES FOUND MONUMENT AS NOTED
- 104 DENOTES FOUND MONUMENT/TRVERSE POINT #
- △ DENOTES CONTROL/TRVERSE POINT
- DENOTES RIGHT-OF-WAY LINE
- - - DENOTES ALIGNMENT CENTERLINE
- — — DENOTES SECTION/1/4 SECTION LINE

NOTES:

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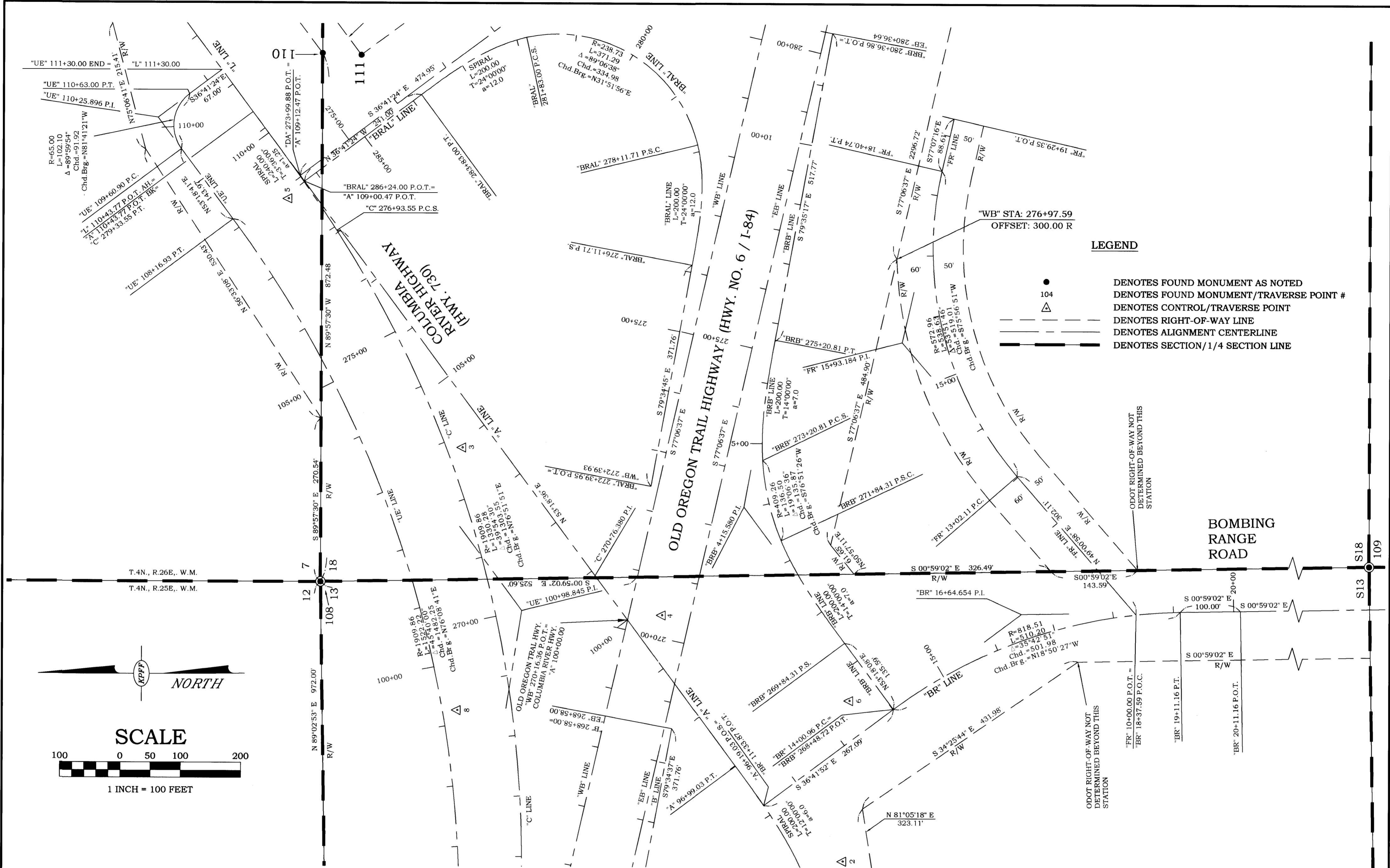
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 JULY 26, 1988
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 EXPIRES 12/31/07

1/4 SECTION: 7, 12, 13 & 18
 TOWNSHIP/RANGE: T4N, R25E, R26E
 TAX LOT NO:
 FILE: A14028MRW.DWG
 SURVEYED BY: GLE, RT, JD, TM

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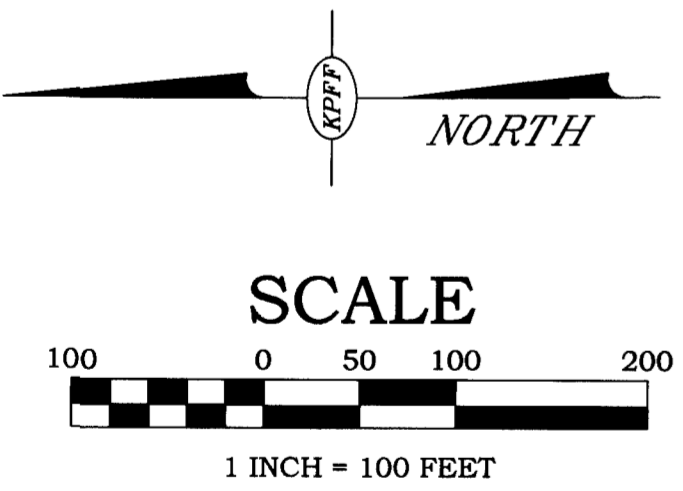
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 IN S.E. 1/4, SEC. 12 & N.E. 1/4, SEC. 13, T. 4 N., R. 25 E.,
 & S.W. 1/4, SEC. 7 & N.W. 1/4 SEC. 18, T. 4 N., R. 26 E., W.M., MORROW CO., OREGON

DATE:	12/08/05
SCALE:	1"=100'
CONTOUR INTERVAL:	N/A
PROJECT NO:	304149.81
SHEET:	4 OF 7



LEGEND

- DENOTES FOUND MONUMENT AS NOTED
- △ DENOTES FOUND MONUMENT/TRVERSE POINT #
- DENOTES CONTROL/TRVERSE POINT
- DENOTES RIGHT-OF-WAY LINE
- DENOTES ALIGNMENT CENTERLINE
- DENOTES SECTION/1/4 SECTION LINE



RECEIVED BY
 Morrow County Surveyor
 Date Dec 9, 2005
 Rec'd By SKB
 No. 1455-C

NOTES:
 1. SEE SHEET 2 FOR FOUND MONUMENT COORDINATE TABLE.
 2. SEE SHEET 1 FOR REFERENCES.
 3. UNLESS MARKED WITH BEARING AND DISTANCE SECTION LINES ARE NOT SURVEYED, AND ARE SHOWN FOR REFERENCE ONLY.

REGISTERED PROFESSIONAL LAND SURVEYOR

"I CERTIFY THAT THIS SURVEY WAS PREPARED USING HP PRODUCT #51640A ON CONTINENTAL #JPC4M2 POLYESTER FILM."

Timothy D. Mahoney
 OREGON
 JULY 26, 1988
 TIMOTHY D. MAHONEY
 2347
 EXPIRES 12/31/07

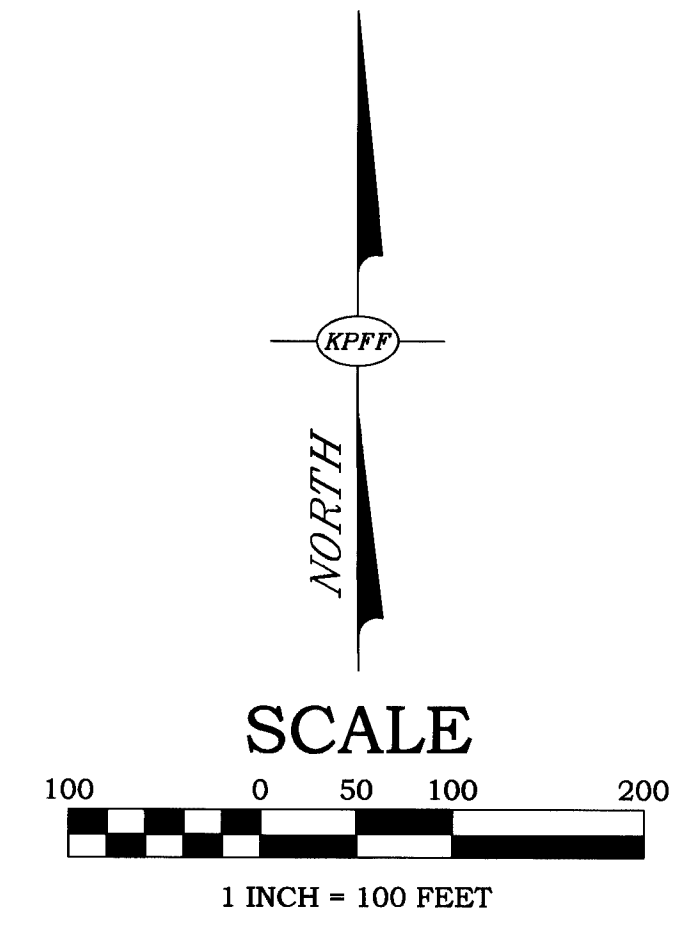
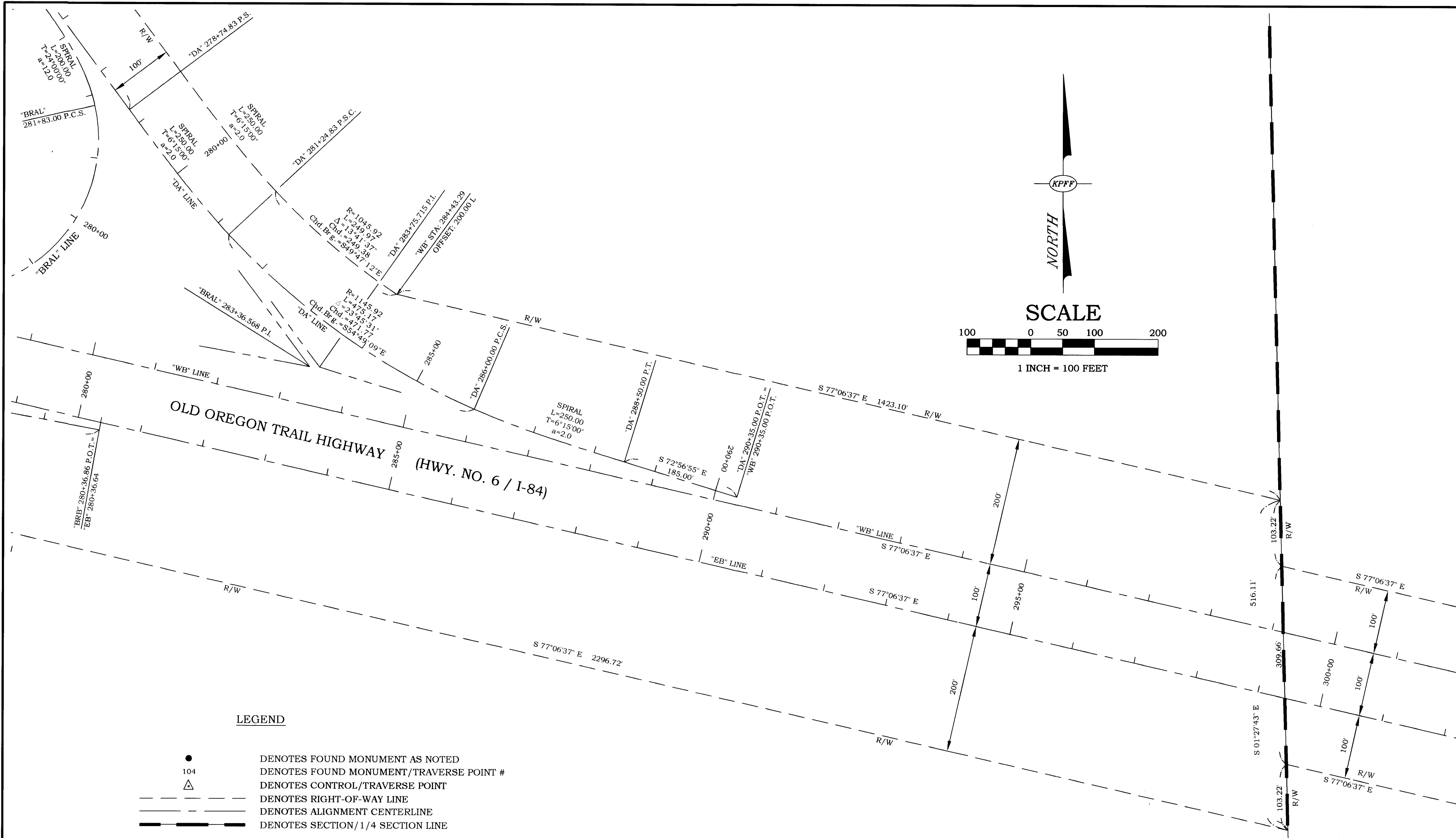
1/4 SECTION:	7, 12, 13 & 18
TOWNSHIP/RANGE:	T4N, R25E, R26E
TAX LOT NO.:	
FILE:	A14028MRW.DWG
SURVEYED BY:	GLE, RT, JD, TM

kpff Consulting Engineers
 111 S.W. Fifth Avenue, Suite 2500 Portland, OR 97204-3628
 (503) 227-3251 Civil Fax (503) 274-4681
 Portland Seattle Los Angeles San Francisco San Diego Phoenix Irvine Virginia

HORIZONTAL CONTROL, RECOVERY & RETRACEMENT SURVEY, IRRIGON JUNCTION INTERCHANGE,
 for **OREGON DEPARTMENT OF TRANSPORTATION**
 OLD OREGON TRAIL HIGHWAY, HWY. 6 (I-84) & HWY. 730
 IN S.E. 1/4, SEC. 12 & N.E. 1/4, SEC. 13, T. 4 N., R. 25 E.,
 & S.W. 1/4, SEC. 7 & N.W. 1/4 SEC. 18, T. 4 N., R. 26 E., W.M., MORROW CO., OREGON

DATE:	12/08/05
SCALE:	1"=100'
CONTOUR INTERVAL:	N/A
PROJECT NO.:	304149.81
SHEET:	5 OF 7

1455



LEGEND

- DENOTES FOUND MONUMENT AS NOTED
- 104 DENOTES FOUND MONUMENT/TRVERSE POINT #
- △ DENOTES CONTROL/TRVERSE POINT
- DENOTES RIGHT-OF-WAY LINE
- DENOTES ALIGNMENT CENTERLINE
- DENOTES SECTION/1/4 SECTION LINE

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1/4 SECTION:	7, 12, 13 & 18
TOWNSHIP/RANGE:	T4N, R25E, R26E
TAX LOT NO:	
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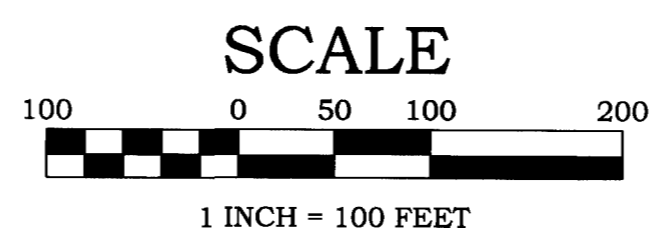
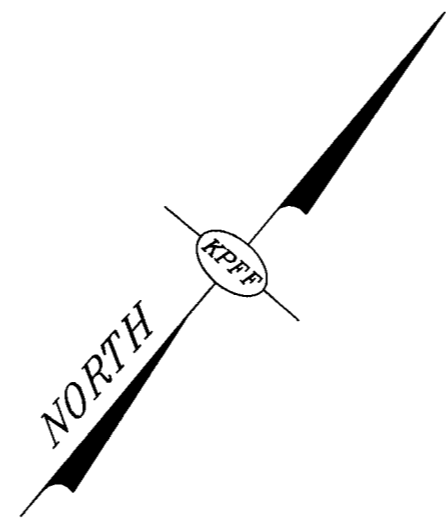
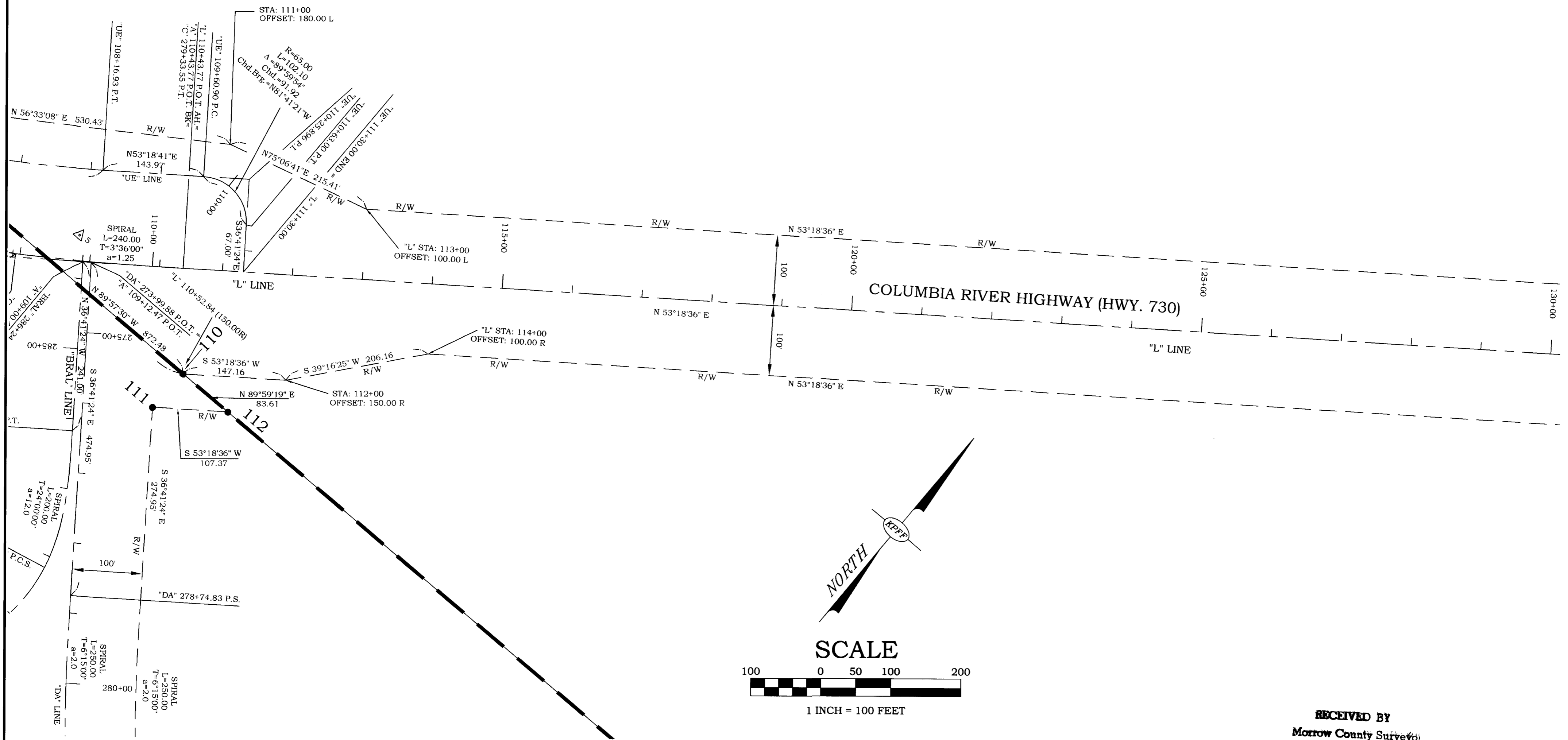
DATE:	12/08/05
SCALE:	1"=100'
CONTOUR INTERVAL:	N/A
PROJECT NO:	304149.81
SHEET:	6 OF 7

LEGEND

- DENOTES FOUND MONUMENT AS NOTED
- 104 DENOTES FOUND MONUMENT/TRVERSE POINT #
- △ DENOTES CONTROL/TRVERSE POINT
- DENOTES RIGHT-OF-WAY LINE
- DENOTES ALIGNMENT CENTERLINE
- DENOTES SECTION/1/4 SECTION LINE

NOTES:

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1/4 SECTION:	7, 12, 13 & 18
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 & S.W. 1/4, SEC. 7 & N.W. 1/4 SEC. 18, T. 4 N., R. 26 E., W.M., MORROW CO., OREGON

DATE:	12/08/05
SCALE:	1"=100'
CONTOUR INTERVAL:	N/A
PROJECT NO.:	304149.81
SHEET:	7 OF 7

1455