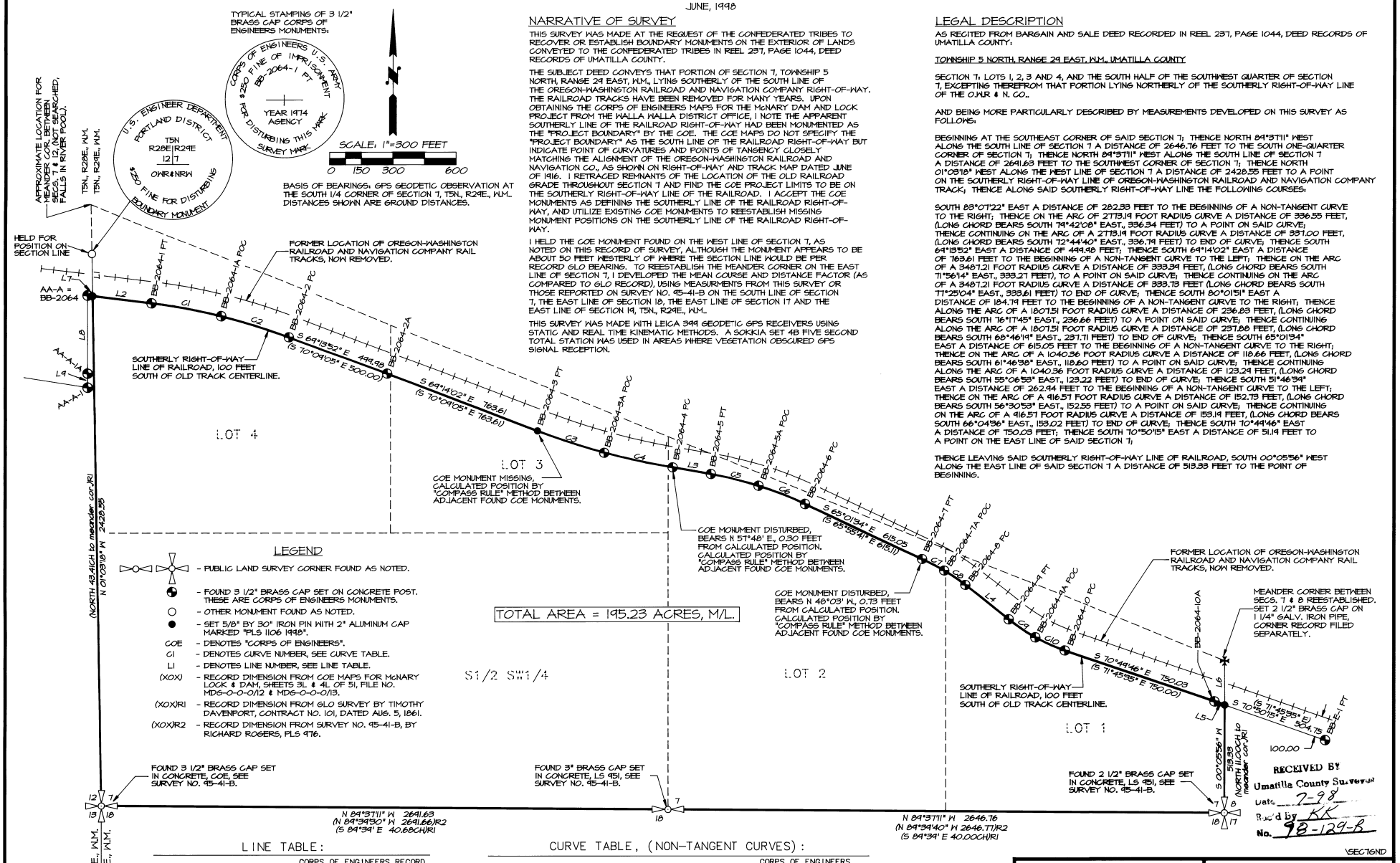
RECORD OF SURVEY

JUNE, 1998



NARRATIVE OF SURVEY

THIS SURVEY WAS MADE AT THE REQUEST OF THE CONFEDERATED TRIBES TO RECOVER OR ESTABLISH BOUNDARY MONUMENTS ON THE EXTERIOR OF LANDS CONVEYED TO THE CONFEDERATED TRIBES IN REEL 237, PAGE 1044, DEED RECORDS OF UMATILLA COUNTY.

THE SUBJECT DEED CONVEYS THAT PORTION OF SECTION 7, TOWNSHIP 5 NORTH, RANGE 29 EAST, W.M., LYING SOUTHERLY OF THE SOUTH LINE OF THE OREGON-WASHINGTON RAILROAD AND NAVIGATION COMPANY RIGHT-OF-WAY. THE RAILROAD TRACKS HAVE BEEN REMOVED FOR MANY YEARS. UPON OBTAINING THE CORPS OF ENGINEERS MAPS FOR THE McNARY DAM AND LOCK PROJECT FROM THE WALLA WALLA DISTRICT OFFICE, I NOTE THE APPARENT SOUTHERLY LINE OF THE RAILROAD RIGHT-OF-WAY HAD BEEN MONUMENTED AS THE "PROJECT BOUNDARY" BY THE COE. THE COE MAPS DO NOT SPECIFY THE "PROJECT BOUNDARY" AS THE SOUTH LINE OF THE RAILROAD RIGHT-OF-WAY BUT INDICATE POINT OF CURVATURES AND POINTS OF TANGENCY CLOSELY MATCHING THE ALIGNMENT OF THE OREGON-WASHINGTON RAILROAD AND NAVIGATION CO., AS SHOWN ON RIGHT-OF-WAY AND TRACK MAP DATED JUNE OF 1916. I RETRACED REMNANTS OF THE LOCATION OF THE OLD RAILROAD GRADE THROUGHOUT SECTION 7 AND FIND THE COE PROJECT LIMITS TO BE ON THE SOUTHERLY RIGHT-OF-WAY LINE OF THE RAILROAD. I ACCEPT THE COE MONUMENTS AS DEFINING THE SOUTHERLY LINE OF THE RAILROAD RIGHT-OF-WAY, AND UTILIZE EXISTING COE MONUMENTS TO REESTABLISH MISSING MONUMENT POSITIONS ON THE SOUTHERLY LINE OF THE RAILROAD RIGHT-OF-WAY.

I HELD THE COE MONUMENT FOUND ON THE WEST LINE OF SECTION 7, AS NOTED ON THIS RECORD OF SURVEY, ALTHOUGH THE MONUMENT APPEARS TO BE ABOUT 50 FEET WESTERLY OF WHERE THE SECTION LINE WOULD BE PER RECORD GLO BEARING. TO REESTABLISH THE MEANDER CORNER ON THE EAST LINE OF SECTION 7, I DEVELOPED THE MEAN COURSE AND DISTANCE FACTOR (AS COMPARED TO GLO RECORD), USING MEASUREMENTS FROM THIS SURVEY OR THOSE REPORTED ON SURVEY NO. 95-41-B ON THE SOUTH LINE OF SECTION 7, THE EAST LINE OF SECTION 18, THE EAST LINE OF SECTION 17 AND THE EAST LINE OF SECTION 19, T5N., R29E., W.M..

THIS SURVEY WAS MADE WITH LEICA 399 GEODETIC GPS RECEIVERS USING STATIC AND REAL TIME KINEMATIC METHODS. A SOKKIA SET 4B FIVE SECOND TOTAL STATION WAS USED IN AREAS WHERE VEGETATION OBSCURED GPS SIGNAL RECEPTION.

LEGAL DESCRIPTION

AS RECITED FROM BARGAIN AND SALE DEED RECORDED IN REEL 237, PAGE 1044, DEED RECORDS OF UMATILLA COUNTY:

TOWNSHIP 5 NORTH, RANGE 29 EAST, W.M., UMATILLA COUNTY

SECTION 7: LOTS 1, 2, 3 AND 4, AND THE SOUTH HALF OF THE SOUTHWEST QUARTER OF SECTION 7, EXCEPTING THEREFROM THAT PORTION LYING NORTHERLY OF THE SOUTHERLY RIGHT-OF-WAY LINE OF THE O.W.R & N. CO..

AND BEING MORE PARTICULARLY DESCRIBED BY MEASUREMENTS DEVELOPED ON THIS SURVEY AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF SAID SECTION 7; THENCE NORTH 84°37'11" WEST ALONG THE SOUTH LINE OF SECTION 7 A DISTANCE OF 2646.76 FEET TO THE SOUTH ONE-QUARTER CORNER OF SECTION 7; THENCE NORTH 84°37'11" WEST ALONG THE SOUTH LINE OF SECTION 7 A DISTANCE OF 2641.63 FEET TO THE SOUTHWEST CORNER OF SECTION 7; THENCE NORTH 01°03'16" WEST ALONG THE WEST LINE OF SECTION 7 A DISTANCE OF 2428.55 FEET TO A POINT ON THE SOUTHERLY RIGHT-OF-WAY LINE OF OREGON-WASHINGTON RAILROAD AND NAVIGATION COMPANY TRACK; THENCE ALONG SAID SOUTHERLY RIGHT-OF-WAY LINE THE FOLLOWING COURSES:

SOUTH 83°07'22" EAST A DISTANCE OF 282.33 FEET TO THE BEGINNING OF A NON-TANGENT CURVE TO THE RIGHT; THENCE ON THE ARC OF 2773.19 FOOT RADIUS CURVE A DISTANCE OF 336.55 FEET, (LONG CHORD BEARS SOUTH 79°42'08" EAST., 336.34 FEET) TO A POINT ON SAID CURVE; THENCE CONTINUING ON THE ARC OF A 2773.19 FOOT RADIUS CURVE A DISTANCE OF 337.00 FEET, (LONG CHORD BEARS SOUTH 72°44'40" EAST., 336.79 FEET) TO END OF CURVE; THENCE SOUTH 64°13'52" EAST A DISTANCE OF 499.98 FEET; THENCE SOUTH 64°14'02" EAST A DISTANCE OF 763.61 FEET TO THE BEGINNING OF A NON-TANGENT CURVE TO THE LEFT; THENCE ON THE ARC OF A 3487.21 FOOT RADIUS CURVE A DISTANCE OF 333.94 FEET, (LONG CHORD BEARS SOUTH 71°56'14" EAST., 333.27 FEET), TO A POINT ON SAID CURVE; THENCE CONTINUING ON THE ARC OF A 3487.21 FOOT RADIUS CURVE A DISTANCE OF 333.73 FEET (LONG CHORD BEARS SOUTH 77°25'04" EAST., 333.61 FEET) TO END OF CURVE; THENCE SOUTH 80°01'51" EAST A DISTANCE OF 184.74 FEET TO THE BEGINNING OF A NON-TANGENT CURVE TO THE RIGHT; THENCE ALONG THE ARC OF A 1807.51 FOOT RADIUS CURVE A DISTANCE OF 236.83 FEET, (LONG CHORD BEARS SOUTH 76°17'45" EAST., 236.66 FEET) TO A POINT ON SAID CURVE; THENCE CONTINUING ALONG THE ARC OF A 1807.51 FOOT RADIUS CURVE A DISTANCE OF 237.88 FEET, (LONG CHORD BEARS SOUTH 68°46'19" EAST., 237.71 FEET) TO END OF CURVE; THENCE SOUTH 65°01'34" EAST A DISTANCE OF 615.05 FEET TO THE BEGINNING OF A NON-TANGENT CURVE TO THE RIGHT; THENCE ON THE ARC OF A 1040.36 FOOT RADIUS CURVE A DISTANCE OF 118.66 FEET, (LONG CHORD BEARS SOUTH 61°46'38" EAST., 118.60 FEET) TO A POINT ON SAID CURVE; THENCE CONTINUING ALONG THE ARC OF A 1040.36 FOOT RADIUS CURVE A DISTANCE OF 123.24 FEET, (LONG CHORD BEARS SOUTH 55°06'53" EAST., 123.22 FEET) TO END OF CURVE; THENCE SOUTH 51°46'34" EAST A DISTANCE OF 262.94 FEET TO THE BEGINNING OF A NON-TANGENT CURVE TO THE LEFT; THENCE ON THE ARC OF A 416.57 FOOT RADIUS CURVE A DISTANCE OF 152.73 FEET, (LONG CHORD BEARS SOUTH 56°30'53" EAST., 152.55 FEET) TO A POINT ON SAID CURVE; THENCE CONTINUING ON THE ARC OF A 416.57 FOOT RADIUS CURVE A DISTANCE OF 153.19 FEET, (LONG CHORD BEARS SOUTH 66°04'36" EAST., 153.02 FEET) TO END OF CURVE; THENCE SOUTH 70°44'46" EAST A DISTANCE OF 750.03 FEET; THENCE SOUTH 70°50'15" EAST A DISTANCE OF 511.19 FEET TO A POINT ON THE EAST LINE OF SAID SECTION 7;

THENCE LEAVING SAID SOUTHERLY RIGHT-OF-WAY LINE OF RAILROAD, SOUTH 00°05'56" WEST ALONG THE EAST LINE OF SAID SECTION 7 A DISTANCE OF 513.33 FEET TO THE POINT OF BEGINNING.

LEGEND

- PUBLIC LAND SURVEY CORNER FOUND AS NOTED.
- FOUND 3 1/2" BRASS CAP SET ON CONCRETE POST. THESE ARE CORPS OF ENGINEERS MONUMENTS.
- OTHER MONUMENT FOUND AS NOTED.
- SET 5/8" BY 30" IRON PIN WITH 2" ALUMINUM CAP MARKED "PLS 1106 1998".

COE - DENOTES "CORPS OF ENGINEERS".
C1 - DENOTES CURVE NUMBER, SEE CURVE TABLE.
L1 - DENOTES LINE NUMBER, SEE LINE TABLE.
(XOX) - RECORD DIMENSION FROM COE MAPS FOR McNARY LOCK & DAM, SHEETS 3L & 4L OF 51, FILE NO. MD6-0-0-0/12 & MD6-0-0-0/13.
(XOX)R1 - RECORD DIMENSION FROM GLO SURVEY BY TIMOTHY DAVENPORT, CONTRACT NO. 101, DATED AUG. 5, 1861.
(XOX)R2 - RECORD DIMENSION FROM SURVEY NO. 95-41-B, BY RICHARD ROGERS, PLS 976.

LINE TABLE:

NO.	BEARING	DISTANCE	CORPS OF ENGINEERS RECORD GRID BEARING & DISTANCE
L1	N 01°03'18" W	200.95	
L2	S 83°07'22" E	282.33	(S 84°01'27" E)
L3	S 80°01'51" E	184.79	(S 80°56'47" E 184.80)
L4	S 51°46'39" E	262.94	(S 52°40'56" E 262.92)
L5	S 70°50'15" E	51.19	(S 71°45'35" E)
L6	N 00°05'56" E	213.04	
L7	N 83°07'22" W	23.86	(S 84°01'27" E)
L8	S 00°07'07" E	371.69	(N 00°55'07" W 371.86)
L9	S 00°06'57" E	67.23	(N 00°55'07" W 67.30)

CURVE TABLE, (NON-TANGENT CURVES):

NO.	DELTA	RADIUS	LENGTH	LONG CHORD	CORPS OF ENGINEERS RECORD IN GRID BEARING & DISTANCE
C1	6°57'12"	2773.19	336.55	S79°42'08"E 335.34	(S80°37'19"E 336.36)
C2	6°57'45"	2773.19	337.00	S72°44'40"E 336.79	(S73°38'40"E 336.80)
C3	5°28'40"	3487.21	333.39	S71°56'14"E 333.27	(S72°51'10"E 333.29)
C4	5°29'00"	3487.21	333.73	S77°25'04"E 333.61	(S78°20'00"E 333.63)
C5	7°30'28"	1807.51	236.83	S76°17'45"E 236.66	(S77°11'54"E 236.77)
C6	7°32'26"	1807.51	237.88	S68°46'19"E 237.71	(S69°41'07"E 237.84)
C7	6°32'06"	1040.36	118.66	S61°46'38"E 118.60	(S62°40'44"E 118.61)
C8	6°47'24"	1040.36	123.29	S55°06'53"E 123.22	(S56°03'37"E 123.24)
C9	9°32'50"	916.57	152.73	S56°30'53"E 152.55	(S57°26'33"E 152.64)
C10	9°34'35"	916.57	153.19	S66°04'36"E 153.02	(S66°59'49"E 153.02)

REGISTERED PROFESSIONAL LAND SURVEYOR

Will. R. Wells

OREGON
JULY 22, 1977
WILLIAM R. WELLS
1106

RENEWS 6/30/00

WILLIAM R. WELLS, PLS
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P.O. BOX 1696
PENDLETON, OR 97801
PHONE:(541) 276-6362

DATE: 06/98	DR. BY: JCL/WRW
CK. BY: WRW	NO: 98-529

PROJECT:

SURVEY FOR:

CONFEDERATED TRIBES OF THE UMATILLA INDIAN RESERVATION

LOCATED IN SECTION 7, T5N.,R29E., W.M.. UMATILLA COUNTY, OREGON

RECEIVED BY
Umatilla County Surveyor
Date 7-9-98
Rec'd by KK
No. 98-129-B

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