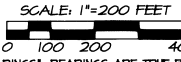
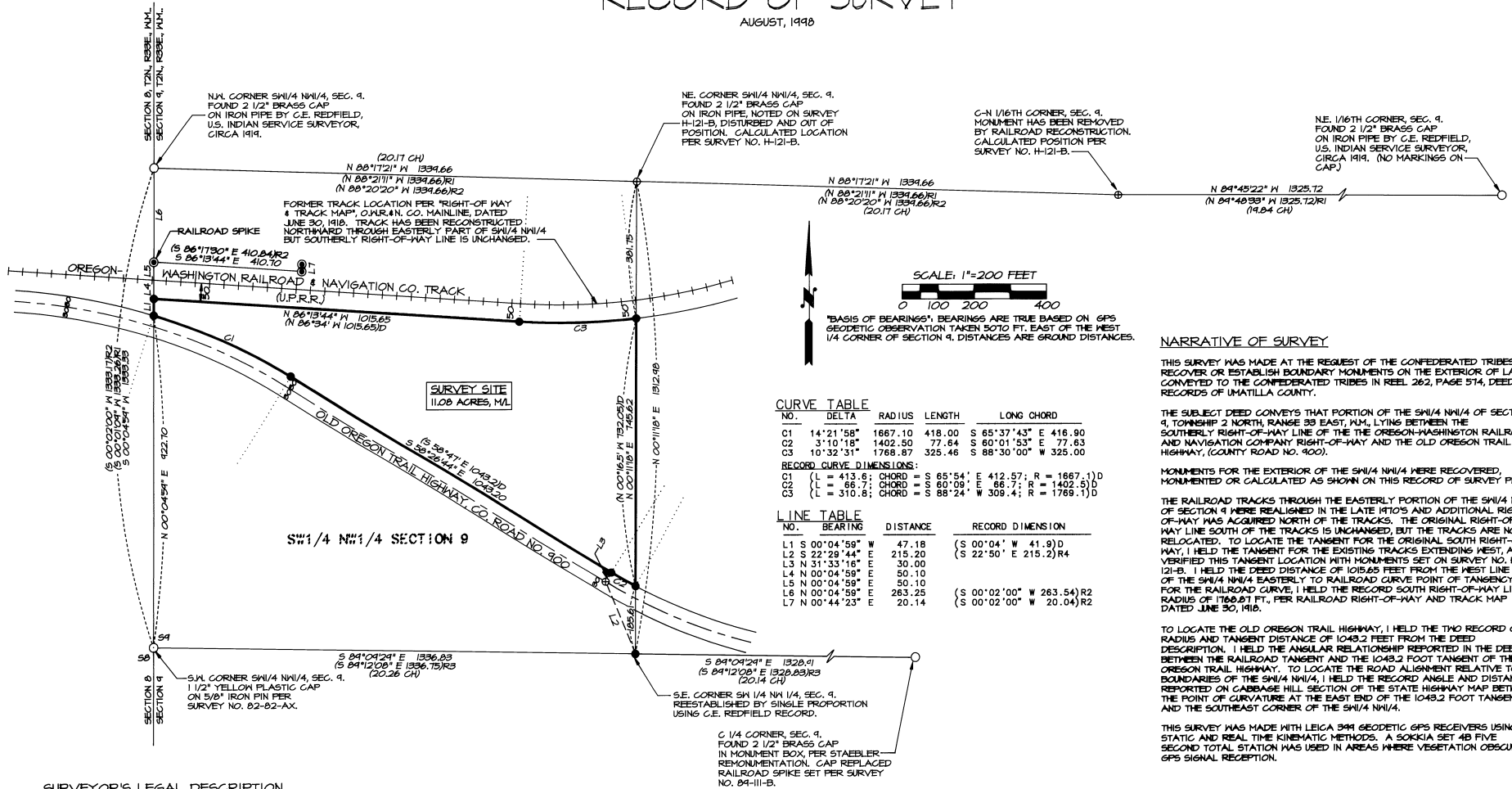


RECORD OF SURVEY

AUGUST, 1998



"BASIS OF BEARINGS", BEARINGS ARE TRUE BASED ON GPS GEODETIC OBSERVATION TAKEN 5070 FT. EAST OF THE WEST 1/4 CORNER OF SECTION 9. DISTANCES ARE GROUND DISTANCES.

NO.	DELTA	RADIUS	LENGTH	LONG CHORD
C1	14°21'58"	1667.10	418.00	S 65°37'43" E 418.90
C2	3°10'18"	1402.50	77.64	S 60°01'53" E 77.63
C3	10°32'31"	1768.87	325.46	S 88°30'00" W 325.00

NO.	BEARING	DISTANCE	RECORD DIMENSION
C1	L = 413.8;	CHORD = S 65°54' E 412.57;	R = 1667.1) D
C2	L = 66.7;	CHORD = S 60°09' E 66.7;	R = 1402.5) D
C3	L = 310.8;	CHORD = S 88°24' W 309.4;	R = 1768.1) D

NO.	BEARING	DISTANCE	RECORD DIMENSION
L1	S 00°04'59" W	47.18	(S 00°04' W 41.9) D
L2	S 22°29'44" E	215.20	(S 22°50' E 215.2) R4
L3	N 31°33'16" E	30.00	
L4	N 00°04'59" E	50.10	
L5	N 00°04'59" E	50.10	
L6	N 00°04'59" E	263.25	(S 00°02'00" W 263.54) R2
L7	N 00°44'23" E	20.14	(S 00°02'00" W 20.04) R2

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 262, PAGE 574, DEED RECORDS OF UMATILLA COUNTY.

THE SUBJECT DEED CONVEYS THAT PORTION OF THE SW 1/4 NW 1/4 OF SECTION 9, TOWNSHIP 2 NORTH, RANGE 33 EAST, 11M., LYING BETWEEN THE SOUTHERLY RIGHT-OF-WAY LINE OF THE OREGON-WASHINGTON RAILROAD AND NAVIGATION COMPANY RIGHT-OF-WAY AND THE OLD OREGON TRAIL HIGHWAY, (COUNTY ROAD NO. 300).

MONUMENTS FOR THE EXTERIOR OF THE SW 1/4 NW 1/4 WERE RECOVERED, MONUMENTED OR CALCULATED AS SHOWN ON THIS RECORD OF SURVEY PLAT.

THE RAILROAD TRACKS THROUGH THE EASTERLY PORTION OF THE SW 1/4 NW 1/4 OF SECTION 9 WERE REALIGNED IN THE LATE 1910S AND ADDITIONAL RIGHT-OF-WAY WAS ACQUIRED NORTH OF THE TRACKS. THE ORIGINAL RIGHT-OF-WAY LINE SOUTH OF THE TRACKS IS UNCHANGED, BUT THE TRACKS ARE NOW RELOCATED. TO LOCATE THE TANGENT FOR THE ORIGINAL SOUTH RIGHT-OF-WAY, I HELD THE TANGENT FOR THE EXISTING TRACKS EXTENDING WEST, AND VERIFIED THIS TANGENT LOCATION WITH MONUMENTS SET ON SURVEY NO. H-121-B. I HELD THE DEED DISTANCE OF 1015.65 FEET FROM THE WEST LINE OF THE SW 1/4 NW 1/4 EASTERLY TO RAILROAD CURVE POINT OF TANGENCY. FOR THE RAILROAD CURVE, I HELD THE RECORD SOUTH RIGHT-OF-WAY LINE RADIUS OF 1768.87 FT., PER RAILROAD RIGHT-OF-WAY AND TRACK MAP DATED JUNE 30, 1916.

TO LOCATE THE OLD OREGON TRAIL HIGHWAY, I HELD THE TWO RECORD CURVE RADIUS AND TANGENT DISTANCE OF 1043.2 FEET FROM THE DEED DESCRIPTION. I HELD THE ANGULAR RELATIONSHIP REPORTED IN THE DEED BETWEEN THE RAILROAD TANGENT AND THE 1043.2 FOOT TANGENT OF THE OLD OREGON TRAIL HIGHWAY. TO LOCATE THE ROAD ALIGNMENT RELATIVE TO THE BOUNDARIES OF THE SW 1/4 NW 1/4, I HELD THE RECORD ANGLE AND DISTANCE REPORTED ON CABBAGE HILL SECTION OF THE STATE HIGHWAY MAP BETWEEN THE POINT OF CURVATURE AT THE EAST END OF THE 1043.2 FOOT TANGENT AND THE SOUTHEAST CORNER OF THE SW 1/4 NW 1/4.

THIS SURVEY WAS MADE WITH LEICA 349 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.

SURVEYOR'S LEGAL DESCRIPTION

(DEVELOPED FROM MEASUREMENTS MADE ON THIS SURVEY).

A PARCEL OF LAND LOCATED IN THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 2 NORTH, RANGE 33 EAST, 11M., UMATILLA COUNTY, OREGON DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT WHICH IS THE INTERSECTION OF THE WEST LINE OF SECTION 9 AND THE NORTHERLY RIGHT-OF-WAY LINE OF THE OLD OREGON TRAIL HIGHWAY, SAID POINT BEING LOCATED NORTH 00°04'59" EAST A DISTANCE OF 422.70 FEET FROM THE SOUTHWEST CORNER OF THE SOUTHWEST QUARTER OF SAID SECTION 9; THENCE ALONG THE NORTHERLY RIGHT-OF-WAY LINE OF SAID OLD OREGON TRAIL HIGHWAY, ON THE ARC OF A 1667.10 FOOT RADIUS CURVE TO THE RIGHT A DISTANCE OF 418.00 FEET, (LONG CHORD BEARS SOUTH 65°37'43" EAST A DISTANCE OF 418.90 FEET) TO POINT OF TANGENCY; THENCE SOUTH 59°26'44" EAST, CONTINUING ALONG SAID NORTHERLY RIGHT-OF-WAY LINE A DISTANCE OF 1043.20 FEET TO POINT OF CURVATURE; THENCE CONTINUING ALONG SAID NORTHERLY RIGHT-OF-WAY LINE, ON THE ARC OF A 1402.50 FOOT RADIUS CURVE TO THE LEFT A DISTANCE OF 77.64 FEET, (LONG CHORD BEARS SOUTH 60°01'53" EAST A DISTANCE OF 77.63 FEET) TO A POINT ON THE EAST LINE OF SAID SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 9; THENCE NORTH 00°11'10" EAST ALONG SAID EAST LINE OF THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER A DISTANCE OF 748.62 FEET TO A POINT ON THE SOUTH RIGHT-OF-WAY LINE OF THE OREGON-WASHINGTON RAILROAD AND NAVIGATION COMPANY MAINLINE; THENCE ALONG THE SOUTH RIGHT-OF-WAY LINE OF SAID RAILROAD, ON THE ARC OF A 1768.87 FOOT RADIUS CURVE TO THE RIGHT A DISTANCE OF 325.46 FEET, (LONG CHORD BEARS SOUTH 88°30'00" WEST A DISTANCE OF 325.00 FEET) TO POINT OF TANGENCY; THENCE NORTH 66°13'44" WEST ALONG THE SOUTH RIGHT-OF-WAY LINE OF SAID RAILROAD A DISTANCE OF 1015.65 FEET TO A POINT ON THE WEST LINE OF SAID SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 9; THENCE SOUTH 00°04'59" WEST ALONG THE WEST LINE OF SAID SOUTHWEST QUARTER OF THE NORTHWEST QUARTER A DISTANCE OF 47.18 FEET TO THE POINT OF BEGINNING.

PARCEL DESCRIBED CONTAINS 11.08 ACRES, MORE OR LESS.

LEGEND

- - SET 5/8" BY 30" IRON PIN WITH 1 1/2" YELLOW PLASTIC CAP MARKED "OR PLS 1106 MA PLS 17372".
- - FOUND MONUMENT AS NOTED.
- - CALCULATED POINT ONLY, NOT SET OR FOUND.
- ⊙ - FOUND 5/8" IRON PIN FROM SURVEY NO. H-121-B, UNLESS OTHERWISE NOTED.
- (XOX) - RECORD DIMENSION FROM C.E. REDFIELD SURVEYS, CIRCA 1916.
- (XOX)R1 - RECORD DIMENSION FROM DEED DESCRIPTION REEL 262, PAGE 574.
- (XOX)R2 - RECORD DIMENSION FROM SURVEY NO. 42-032-C.
- (XOX)R3 - RECORD DIMENSION FROM SURVEY NO. H-121-B.
- (XOX)R4 - RECORD DIMENSION FROM SURVEY NO. 84-111-B.
- (XOX)R5 - RECORD DIMENSION FROM STATE HIGHWAY MAP, CABBAGE HILL SECTION, OLD OREGON TRAIL HIGHWAY.

REGISTERED PROFESSIONAL LAND SURVEYOR
William 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

RECEIVED BY
Umatilla County Surveyor
Date 8-9-98
Rec'd by KS
No. 98-169-B CTM

PROJECT:
BOUNDARY SURVEY FOR:
CONFEDERATED TRIBES OF THE
UMATILLA INDIAN RESERVATION

LOCATED IN THE NW 1/4 OF
SECTION 9, TOWNSHIP 2 N.,
RANGE 33 E., UMATILLA COUNTY, OREGON