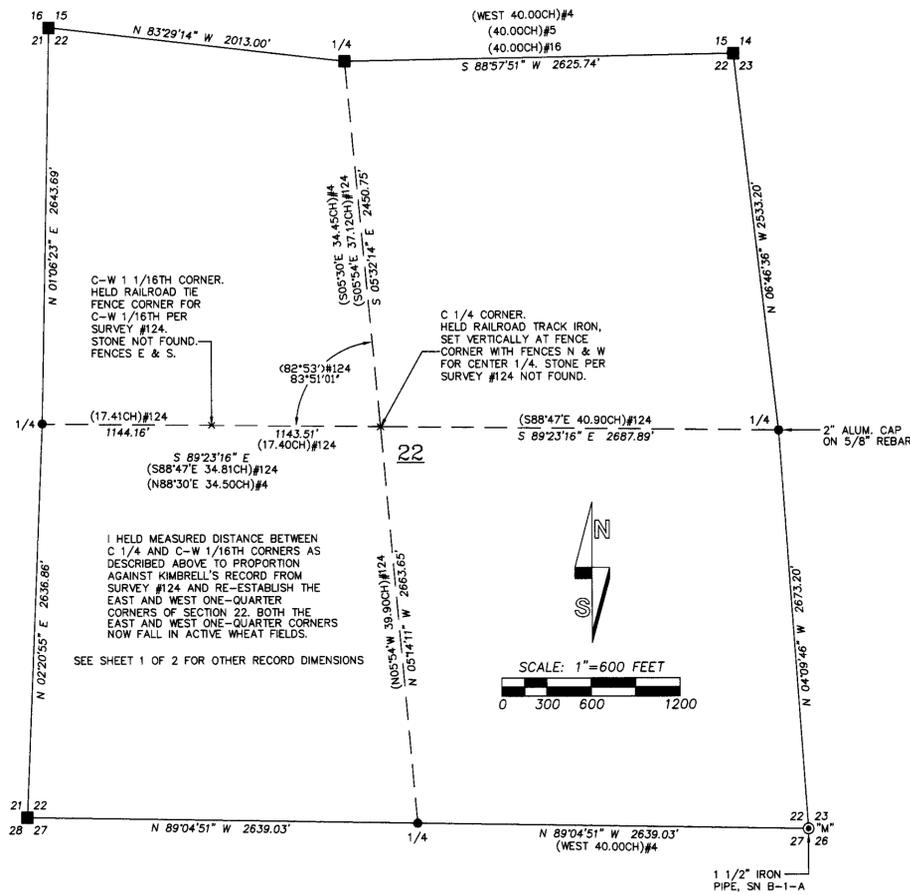
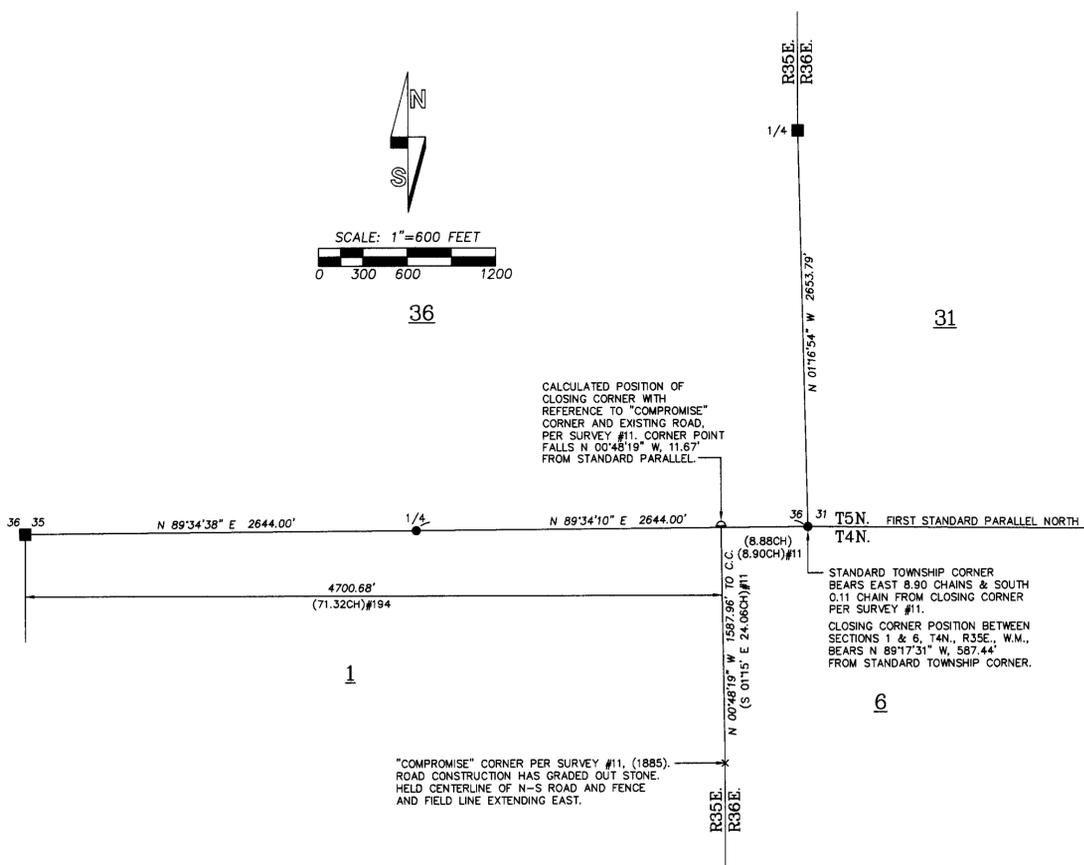


RECORD OF SURVEY

SHEET 2 OF 2



DETAIL SHOWING RE-ESTABLISHMENT OF EAST AND WEST ONE-QUARTER CORNERS OF SECTION 22.



DETAIL SHOWING MEASUREMENTS NEAR THE SOUTHEAST CORNER OF SECTION 36.

HISTORY OF SURVEYS & NARRATIVE:

THE PURPOSE OF THIS SURVEY WAS TO RECOVER, RE-ESTABLISH OR MAINTAIN CERTAIN SECTION AND ONE-QUARTER SECTION CORNERS IN SECTIONS 13 THROUGH 36 OF TOWNSHIP 5 NORTH, RANGE 35 EAST, W.M., THE WORK WAS AUTHORIZED BY THE UMATILLA COUNTY SURVEYOR AND BOARD OF COUNTY COMMISSIONERS AND FUNDED BY THE PUBLIC LAND CORNER MONUMENT FUND.

EIGHT CORNERS IN SECTIONS 18, 19 AND 20 WERE NOT RECOVERED OR RE-ESTABLISHED BECAUSE ACCESS FOR CORNER SEARCH AND SURVEY WAS DENIED BY ONE LANDOWNER. LACK OF ACCESS PREVENTED US FROM SEARCHING AND EVALUATING CERTAIN CORNER AREAS. IN SOME CASES, WE SEARCHED FOR NEEDED CORNERS BY ACCESSING CORNER AREAS THROUGH NEIGHBORING LANDOWNERS, BUT WITHOUT FULL ACCESS, WE WERE NOT ABLE TO VERIFY EVIDENCE FOUND TO THE POINT IT COULD BE ACCEPTED AS A CORNER AND REMONUMENTED.

MOST OF THE PROJECT AREA HAS BEEN FARMED EXTENSIVELY SINCE THE ORIGINAL SURVEY BY ODELL AND LEWIS IN 1865, AND ORIGINAL EVIDENCE OF MANY CORNERS IS LOST, ORIGINAL CORNER MONUMENTS BY ODELL AND LEWIS WERE TYPICALLY EARTH MOUNDS WITH CHARRED STAKES AND PITS. THESE MOUND AND PIT CORNERS DISAPPEARED RAPIDLY WHEN FARMING IN THE AREA BEGAN. ODELL AND LEWIS ARE KNOWN TO HAVE "STUBBED" THE SURVEY LINES AND IN GENERAL, SURVEYED THEIR LINES AND ESTABLISHED CORNERS IN A HAPHAZARD MANNER COMPLETELY DIFFERENT THAN REPORTED IN THEIR OFFICIAL SURVEY NOTES. THESE IRREGULAR METHODS ARE EVIDENT IN EVERY TOWNSHIP THEY SURVEYED IN THE COUNTY. IRREGULAR SURVEY METHODS BY ODELL AND LEWIS RESULT IN CROOKED LINES AND MAJOR DIFFERENCES IN DISTANCES BETWEEN CORNERS WHEN COMPARED TO RECORD DIMENSIONS SHOWN IN OFFICIAL NOTES AND PLATS.

BY THE 1880'S, MANY OF THE CORNERS ESTABLISHED BY ODELL AND LEWIS IN 1865 WERE LOST OR OBLITERATED AND SURVEYS TO RE-ESTABLISH THE MISSING CORNERS BEGAN. MOST OF THESE SURVEYS WERE MADE BY ELECTED COUNTY SURVEYORS OR THEIR DEPUTIES. THE SURVEYS WERE NORMALLY MADE AT THE REQUEST OF THE NEIGHBORING LANDOWNERS, TO RECOVER OR RE-ESTABLISH MISSING OR DISPUTED CORNERS. THE QUALITY OF THESE SURVEYS VARY GREATLY. NORMALLY, THE LANDOWNERS WERE THE SURVEY CREW AND SOME WERE BETTER AT MEASURING THAN OTHERS. IT'S NOT UNCOMMON FOR THE SAME SURVEYOR TO REPORT DIFFERENT DISTANCES BETWEEN THE SAME CORNERS FOR SURVEYS MADE SEVERAL YEARS APART. ON STEEP GROUND IN THE PINE CREEK AND DRY CREEK AREAS, DISTANCE MEASUREMENTS ARE NOT VERY RELIABLE. CERTAIN OLD SURVEYORS, SUCH AS JOHN KIMBRELL, UNDERSTOOD ODELL AND LEWIS HAD NOT RUN THEIR LINES AS REPORTED AND SOMETIMES STATED SO IN HIS SURVEY NOTES. KIMBRELL NORMALLY HAD GOOD SUCCESS IN RECOVERING OLD ORIGINAL CORNERS. OTHER ELECTED COUNTY SURVEYORS MEASURED FOR MILES WITHOUT FINDING AN ORIGINAL CORNER, USUALLY BECAUSE THEY DID NOT UNDERSTAND THE HAPHAZARD SURVEY METHODS OF ODELL AND LEWIS AND WERE LOOKING IN THE WRONG PLACE. A NUMBER OF THESE OLD SURVEYS ARE RECORDED IN BOOKS 1 AND 2 OF RECORD OF PRIVATE SURVEYS AT THE COUNTY SURVEYOR'S OFFICE. THOSE SURVEY RECORDS USED ON THIS SURVEY ARE NOTED ON SHEET 1 OF 2 OF THIS RECORD OF SURVEY. THERE ARE UNDOUBTEDLY OTHER SURVEYS MADE WHICH ARE NOT RECORDED IN THE PUBLIC RECORD.

IN MAKING THIS SURVEY WE UTILIZED UMATILLA COUNTY'S RECTIFIED COLOR IMAGERY, ON THE OREGON STATE PLANE COORDINATE SYSTEM, TO IDENTIFY POTENTIAL CORNER SEARCH AREAS BASED ON FIELD LINES, ROADS, FENCES, ETC. DETAILED SEARCH AREAS WERE DETERMINED USING A TRIMBLE PATHFINDER PRO-XR BEACON CORRECTED G.P.S. RECEIVER.

LAND CORNER RECORD FORMS, FILED CONCURRENTLY WITH THIS SURVEY, SHOULD BE CONSULTED FOR INFORMATION ON EACH CORNER RECOVERED OR RE-ESTABLISHED.

CONTROLLING CORNERS WERE TIED WITH TRIMBLE 5700 GEODETIC G.P.S. RECEIVERS USING STATIC AND REAL TIME KINEMATIC METHODS, FROM ADJUSTED G.P.S. CONTROL POINTS ESTABLISHED FOR THIS SURVEY. RE-ESTABLISHED CORNERS WERE SET USING REAL TIME KINEMATIC METHODS AND VERIFIED BY SEPARATE OBSERVATIONS. SOME CORNER AREAS WERE OBSTRUCTED BY CANYONS OR VEGETATION. CORNERS IN THESE AREAS WERE SET OR TIED USING A SOKKIA SET 4B, FIVE SECOND TOTAL STATION OR LIETZ SET 3B THREE SECOND TOTAL STATION, BY MAKING SHORT MEASUREMENTS FROM PREVIOUSLY ESTABLISHED G.P.S. CONTROL POINTS SET BY STATIC METHODS. CORNER ACCESSORIES WERE MEASURED WITH A STEEL TAPE AND COMPASS.

SUPPLEMENTAL RECORDS CONSULTED FOR SURVEY

IN ADDITION TO THE SURVEY RECORDS LISTED IN THE LEGEND ON SHEET 1 OF 2, THE FOLLOWING RECORD SURVEYS AND OTHER DOCUMENTS WERE RESEARCHED AND EVALUATED IN THE COURSE OF THE SURVEY:

- SURVEY NO. Q-805-A, BY FRANK OFNER, DATED 1950.
- CIRCUIT COURT FOR UMATILLA COUNTY. CLAUDE HARRIS VS MABLE HARRIS, MARTHA HARRIS PFEFFER AND JOHN PFEFFER, 1950. APPLIES TO SECTIONS 18 AND 19, T5N., R36E., W.M.
- SURVEY NO. Q-808-A, BY FRANK HAYES. THIS SURVEY IS UNDATED BUT IS BELIEVED TO HAVE BEEN MADE AROUND 1950. APPLIES TO SECTION 23, T5N., R35E., W.M.
- FIELD NOTES AND SKETCH MAP BY FRANK HAYES, SECTION 23, T5N., R35E., W.M., WITHOUT ASSIGNED SURVEY NUMBER, BELIEVED TO HAVE BEEN MADE AROUND 1941.
- SURVEY NO. Q-1639-A, BY MELTON, DATED 1951.
- SURVEY NO. B-1-A, (ALSO NUMBERED AS SURVEY NO. 03-196-A), BY WAYNE HARRIS, 1965.
- SURVEY NO. 01-97-B, BY DAVE KRUMBEIN, DATED 07/1972.
- SURVEY NO. D-11-AX, BY A.J. LOMMASSON, UNDATED.
- SURVEY NO. S-157-C, BY DAVE KRUMBEIN, DATED 1980.
- SURVEY NO. 82-117-A, BY VICTOR McLIND, DATED 1982.
- SURVEY NO. 86-40-B, BY DAVE KRUMBEIN, 1986.
- SURVEY NO. 88-9-A, BY DON STAEBLER, DATED 1988.
- SURVEY NO. 88-14-A, BY VICTOR McLIND, DATED 1988.
- SURVEY NO. 93-95-C, BY BILL WELLS, DATED 1993.
- SURVEY NO. 98-211-B, BY PAUL TOMKINS, DATED 1998.
- SURVEY NO. 00-161-C, BY PAUL TOMKINS, DATED 2000.
- SURVEY NO. 02-16-B, BY DAVE KRUMBEIN, DATED 2001.
- RIGHT-OF-WAY AND TRACK MAPS, DATED JUNE 30, 1916 AND REVISED AS OF DECEMBER 31, 1927, FOR OREGON-WASHINGTON RAILROAD AND NAVIGATION COMPANY BRANCH LINE FROM PENDELTON TO ALTO.
- PACIFIC NORTHWEST PIPELINE MAPS AND DEED RECORDED IN BOOK 335, PAGE 73, DEED RECORDS OF UMATILLA COUNTY.
- BONNEVILLE POWER ADMINISTRATION TRANSMISSION LINE MAPS FOR THE MILTON TAP LINE, DATED CIRCA 1975.
- STATE HIGHWAY DEPARTMENT RIGHT-OF-WAY MAPS FOR HIGHWAY 11, CIRCA 1958, MAP 88-11-21.
- UMATILLA COUNTY ROAD SURVEY NOTES IN PROJECT AREA.

RECEIVED BY
 Umatilla County Surveyor
 Date 5-05
 Rec'd by KR
 No. 05-112-C

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| REGISTERED PROFESSIONAL LAND SURVEYOR <i>Will R. Wells</i> OREGON JULY 22, 1977 WILLIAM R. WELLS 1106 RENEWS 6/30/06 | WILLIAM R. WELLS, PLS 2602 N.E. RIVERSIDE PLACE P.O. BOX 1696 PENDLETON, OREGON PHONE: (541) 276-6362 | PROJECT: SURVEY FOR: UMATILLA COUNTY LOCATED IN SECTIONS 8 & 9, 13 THROUGH 17 & 19 THROUGH 36, TOWNSHIP 5 NORTH, RANGE 35 EAST, W.M., UMATILLA COUNTY, OREGON. |
| | DATE: 03/05 CK. BY: WRW | DR. BY: DMT NO: 05-998 |