



**NARRATIVE**

This survey was done as a study by the Union County Surveyor. The area within Township 3 South, Range 39 East was identified as an area deficient in monumentation that warrants a study to bring monuments to modern day standard. Most of the land is agricultural and has very little history of surveying since the early 1900's. This study aims to retrace Old Book Surveys, highway strip maps, and make examinations of evidence on the ground to make a determination of several corners within this township. This is anticipated to be the first of a multi-year long study of this township.

I begin the survey by retracing Highway 237 (La Grande-Cove Highway), the alignment documented in ODOT Strip map 5B-2-7 (1935) and 6B-13-20 (1944). Both surveys had tied off to evidence at select section and quarter corners. I use the centerline of the constructed road to fit curves and angle points of record data, as per said strip maps, and find that record data fits the constructed road well. The exceptions being that slight deviations in the deflection angles at Stations 264+00 and 392+00. There seems to be a scrivener error in the 'd' value of the spiral curve at station 194+57.10 as well. I also hold tangents from spirals as computed from spiral data, deviating slightly from record bearings. From this alignment, I compute the location of evidence found by said strip maps to initial search positions by using record angle and distance.

Due to the complexity and scale of the project, the corner history, evidence found, and method of placement are discussed individually below.

**NORTHWEST TOWNSHIP CORNER (A-01)**

This monument was witnessed by Norm Paullus in Survey 043-1984, where he accepted a long standing fence corner with stone alongside, purported to be moved to place the fence corner in its place. Mr. Paullus set a reference monument 1.07 feet to the North of the accepted fence corner. At the request of the landowner, this monument was removed and reset below grade to avoid interference with agricultural activities. I set a new monument set at true corner position, 1.07 ft South of the witness corner. In the course of excavation, I find a 6"x8"x18" stone with chiseled 'X', 1 ft. to the South of the Paullus monument, as per said survey, and approximately 30' down found an 8"x10"x22" stone with chiseled notches and charred stake remains alongside. I bury historical evidence alongside new monument.

**QUARTER CORNER BETWEEN 1 AND 6 ON THE WEST SIDE OF THE TOWNSHIP (C-01)**

ODOT strip map 6B-13-20 depicts a symbol of the quarter corner position at centerline Station 159+05.3 of the Cove-La Grande Highway. I make a search at the position and find a stone, 9"x10"x12" approximately 40 feet North and 2 ft. East of Station 159+05.3. There are indiscernible chisel marks in the top and a steel T-post alongside. I believe this stone to be a perpetuation of the original quarter corner position, likely by the highway department. If held as a witness monument on the North right of way line, 40 feet North of the corner position, the distance to the Township corner is harmonious with the ODOT strip map. As I have no record of the stone, I hold this stone as being on the North right of way line only, and place the true quarter corner at Station 159+05.3. As this falls in the center of a busy highway, I place a witness corner on line, North 40.00 feet.

**QUARTER CORNER ON NORTH LINE OF SECTION 6 (A-03)**

I make a search at the position as per ODOT strip map 6B-13-20 and find remnants of a fence post, 6" below grade. Further excavation reveals wood remnants from a post. I accept this as original corner evidence and monument this corner position.

**NORTHEAST CORNER OF SECTION 6 (A-05)**

Corner was perpetuated by Kimbrell in Old Book Survey Page 93, and depicted on ODOT Strip map 6B-13-20. At the corner location, a T-post was found, and has gained acceptance by local landowners as being the section corner. Upon excavation of T-Post, I find a stone 5"x12"x19" with 4 discernable notches on one face, and a chiseled 'X' alongside the T-Post. I accept this as the stone set by Kimbrell.

**NORTH QUARTER CORNER OF SECTION 5 (A-07)**

GLO corner was not found in Old Book Survey Pg 98, executed by J.W. Kimbrell and was reset with a stone. ODOT Strip maps 5B-2-7 and 6B-13-20 indicate a 'Rock' at this corner. Road Petition 289 for Peach Road, indicates the intent of Peach Road to follow aliquot lines in this area, running North through this corner. I make a search at the position as determined by ODOT and find that this puts this corner South of a best fit line through other corners along the Township line. However, Kimbrell's field notes indicate that his traverse was from the West, where there are numerous sinuosities of the Grande Ronde River that he is having to make offsets to avoid. I believe that due to the likelihood of angular errors in maintaining a straight line through this type of terrain, there would be a very likely angular departure at this corner. I therefore find the position as per the ODOT survey to be a likely recovery of the Kimbrell stone, despite there being a greater deviation South from the Township line than the typical, and monument this position. A fencepost falls 18 feet to the West of this position, which local landowner has attested was recognized as being on the property line. Position falls along the centerline of Peach Road.

**NORTHEAST CORNER OF SECTION 5 (A-09)**

Corner falls in a the middle of a farmed area. No remaining evidence found. Corner monument set at proportionate position.

**NORTH QUARTER CORNER OF SECTION 4 (A-11)**

Corner falls in a the middle of a farmed area. No remaining evidence found. Corner monument set at proportionate position.

**NORTHEAST CORNER OF SECTION 4 (A-13)**

Found a 2 1/2" iron pipe that falls harmoniously in position with adjacent corners. Accepted as a perpetuation of original corner.

**NORTH QUARTER CORNER OF SECTION 3 (A-15)**

Corner depicted in ODOT Strip map 6B-13-20 as being a fence corner. I make a search at the ODOT position. At a point 5 feet North and 15 feet East, I find a 1 1/2" iron pipe, protruding 2 ft. above ground. Excavation reveals this pipe was set within an additional 2" iron pipe, also lodged within a 2 1/2" iron pipe, approximately 2 ft below grade. Said pipes were surrounded by a 2 1/2 ft. diameter collar of stone (also 2' below grade). Accepted as perpetuations of the original corner.

**NORTHEAST CORNER OF SECTION 3 (A-17)**

ODOT strip maps 5B-2-7 and 6B-13-20 describe a fence corner at the section corner position. I make a search at this position and find nothing at the corner, however there are remnants of sheared off or buried channel iron fence posts heading to the South. This corner was also found by Kimbrell in Old Book Survey Page 34, and I find the position to be relatively harmonious to the NW corner of Section 26, T2S, R3E, when compared to the record distance of said Old Book Survey. I therefore compute the Northing of the ODOT position by record angle and distance and hold the Easting of the line of sheared off fence posts as the best available evidence of the original corner position.

**NORTH QUARTER CORNER OF SECTION 2 (A-19)**

ODOT strip maps 5B-2-7 and 6B-13-20 describe a fence corner at the corner position. A railroad tie fence post falls North 8 feet and West 3 feet from the ODOT position. I accept this as the best available evidence of the original corner position.

**QUARTER CORNER BETWEEN SECTIONS 4 AND 5 (C-09)**

ODOT strip maps 5B-2-7 and 6B-13-20 place this corner at Station 204+02. No description given. Within these strip maps, not all quarter corners are shown with the open circle symbol. Despite not having a corner description, I find the specificity as to the station, particularly not being coincident with the angle point, as well as the general harmony with adjacent corner, that I accept this station as being the best available evidence of original corner position. Due to the fact that this corner position falls within a busy highway, I set a reference monument South of true corner position.

**QUARTER CORNER BETWEEN SECTIONS 2 AND 3 (C-17)**

As per above, ODOT strip maps show a monument symbol at station 370+08.3. Accepted as best available evidence of original corner position. Reference monument set North, as corner falls within Highway 237.

**QUARTER CORNER BETWEEN SECTION 6 AND 7 (E-03)**

Corner is shown as 'Rock' on ODOT Surveys 5B-2-7 and 6B-13-20. I make a search at the ODOT corner position and find a wood post fence corner, rotting. Excavation around fence corner I find an 6"x8"x14" stone, with '1/4" X' chiseled on one side and 5 notches on another. Accepted as original corner.

**QUARTER CORNER BETWEEN SECTION 4 AND 9 (E-11)**

Corner is shown as 'Fence Car' on ODOT Surveys 5B-2-7 and 6B-13-20. No evidence remains. Held record angle and distance as per ODOT strip map 6B-13-20 as best available evidence of original corner position.

**SECTION CORNER SECTION 3, 4, 9 AND 10 (E-13)**

Corner is shown as 'Fence Car' on ODOT Surveys 5B-2-7 and 6B-13-20. No evidence remains. Held record angle and distance as per ODOT strip map 6B-13-20 as best available evidence of original corner position.

**SECTION CORNER SECTION 2, 3, 10 AND 11 (E-17)**

Corner is shown as 'Fence Car' on ODOT Surveys 5B-2-7 and 6B-13-20. No evidence remains. Held position as per ODOT strip map 6B-13-20 as best available evidence of original corner position.

**QUARTER CORNER BETWEEN SECTION 2 AND 11 (E-19)**

Corner is shown as 'Fence Car' on ODOT Surveys 5B-2-7 and 6B-13-20. Road Petition 288 for Red Pepper Lane indicates that it follows aliquot lines through this corner. I therefore hold the Northing of the position of the fence corner by record angle and distance from centerline), as per ODOT survey and the Easting of the centerline of Red Pepper Lane, as constructed.

**SOUTHEAST CORNER OF SECTION 2 (E-21)**

Corner is shown as 'Fence Car' on ODOT Surveys 5B-2-7 and 6B-13-20. No evidence remains. Held position as per ODOT strip map 6B-13-20 by driving a line from NE cor. Sec 2 through Station 423+37.0 and running record distance from centerline station.

Retracement of monuments established from original corner evidence along the North line of the Township indicate that Davenport ran a nearly straight line, with deviation of about 7 feet from a best fit line. Exceptions are the North quarter corner of 5, which was reestablished by Kimbrell later. Distances are generally within 20-30 feet per half mile. Establishment of corners as such maintains relative harmony with existing fences, field edges, county roads, and other lines of possession. I find no other unusual conditions with this survey

**BASIS OF BEARING**

True Geodetic North at the Southwest corner of Section 7, Township 3 South, Range 39 East of the Willamette Meridian, as determined by GPS observation

**SCALE: 1"=1000'**

**REFERENCE MATERIAL**

- Survey Number 07-73
- Survey Number 43-84
- Survey Number 029-2019
- ODOT Strip Map 5B-2-7
- ODOT Strip Map 6B-13-20
- Old Book Survey Pg 98
- Union County Road Petition 70
- Union County Road Petition 288
- Union County Road Petition 289

Field Notes from GLO Contract No. 103, dated September 3, 1863, executed by David P. Thompson

Field Notes from GLO Contract No. 102, dated July 20, 1863, executed by Timothy W. Davenport

**LEGEND**

- Found monument as described, marked as per Union County Monumentation Records
- Set 5/8" x 30" iron pin with 2 1/2" aluminum cap, marked as per Union County Monumentation records, filed separately
- Set 2 1/2" aluminum pipe with 3" aluminum cap for reference monument, marked as per Union County; Monumentation records, filed separately
- Centerline
- Record measurement as per GLO Contract No 102, executed by Timothy Davenport
- Record measurement as per GLO Contract No. 103, executed by David P. Thompson
- Record measurement as per Old Book Survey Pg. 34
- Record measurement as per Old Book Survey Pg. 98
- Record measurement as per ODOT strip map 6B-13-20

REGISTERED PROFESSIONAL LAND SURVEYOR  
 JEFFREY S. HSU  
 63571  
 Renewal Date: June 30, 2025

UNION COUNTY SURVEYOR  
 Date Received 5/21/24  
 Date Filed 5/21/24  
 File No. 017-2024

**BAGETT, GRIFFITH & BLACKMAN**  
 2006 Adams Avenue, LaGrande, Oregon  
 Map of Survey  
 Situated in Section 2, 3, 4, 5, and 6,  
 Township 3 South, Range 39 East of the  
 Willamette Meridian  
 UNION COUNTY, OREGON  
 SURVEYED FOR Union County Surveyor  
 SURVEYED BY J. S. H.  
 Scale: 1" = 1000' Drawn by: J. S. H. Feb-May 2024