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COUNTY SURVEYOR
DOUGLAS COUNTY, ORE.

SURVEYOR'S REPORT

SUBDIVISION OF SECTION 9

T26S, R1W, W.M.

Prepared By Dennis L. Layford Feb. 25, 1977
Date

Approved By Wallace Rainsberry Feb 25, 1977
Date

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History of Survey of Section 9, T26S, R1W, W.M.

COUNTY SURVEYOR
CLATSOP COUNTY, ORE.

- 1883 - West boundary of township surveyed by John A. McQuinn under Contract No. 466.
- 1900 - North boundary of township surveyed by H. H. Johnson under Contract No. 721.
- 1902 - South boundary of township surveyed by Homer D. Angell under Contract No. 746.
- 1910 - East boundary of township (Willamette Meridian) and township subdivision surveyed by Fred Mensch under Contract No. 797.

The north half of the southwest quarter of Section 9 went to patent in March 29, 1920. The patent number is 742180.

Reason for Survey

The proposed Fairview Timber Sale has cutting units which are bounded by the property lines in Section 9. Right-of-way is required for the portion of the Old North Umpqua Road No. 2604 which passes through the north half of the southwest quarter of Section 9. This survey is needed to identify the public land in Section 9 and for right-of-way acquisition.

Special Instructions

Make a dependent resurvey of the boundaries of Section 9, T26S, R1W, and survey the subdivisional lines to the extent necessary to mark the boundaries of private lands within the section with steel fence posts and property boundary signs. Original GLO corner restoration and section subdivision to be performed in accordance with the Manual of Surveying Instructions, 1973.

Make a survey of the portion of the Old North Umpqua Road No. 2604 lying in the north half of the southwest quarter of Section 9 and obtain ground information as necessary to locate the existing road and roadway features and adjacent structures. This survey data to be used to design and reconstruct the road to required standards and to acquire right-of-way.

All survey lines are to be closed. The minimum lineal error of closure acceptable is 1/6,000.

Conditions Found on the Ground

The original corner tree for the section corner common to Sections 4, 5, 8 and 9 was found. A County Surveyor's witness corner brass cap was also found, along with witness trees as described in the County Surveyor's records.

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COUNTY SURVEYOR

County Surveyor's brass caps and bearing trees, as well as ~~bearing trees~~ ~~COUNTY, ORE.~~ set by Fred Mensch, were found at the following section and quarter section corners.

1. Section corner common to Sections 3, 4, 9 and 10.
2. Quarter section corner common to Sections 8 and 9.
3. Section corner common to Sections 8, 9, 16 and 17.

At the section corner common to Sections 9, 10, 15 and 16, a County Surveyor's brass cap and bearing trees were found, along with the well decayed remains of the original southeast and northwest bearing trees set by Mensch.

A thorough search was made for original evidence of the quarter section corners to the north, east and south of Section 9 prior to the survey and at the time of monumenting the proportioned locations for these corners. The search was conducted with the use of aerial photographs, road plans showing corner locations, random traverses and collateral calls. They are considered lost.

The quarter section corner common to Sections 4 and 9 falls in an area of extensive land movement. All vegetation in the area has been denuded by clearcut logging, road construction and massive land failure.

The quarter section corner common to Sections 9 and 10 lies on flat ground 44 feet south of the North Umpqua River. This area has been selective logged. All original corner evidence was destroyed by logging activities.

The original calling of the south bank of the North Umpqua River does not fit the proportioned location by approximately 40 feet. There has been an indeterminate amount of erosion of the south bank caused by encroachment to the river by construction of the North Umpqua Highway. It is entirely possible that the river has shifted south 40 feet at this point.

The quarter section corner common to Sections 9 and 16 lies on a steep west slope. There is considerable evidence of rockfall coming from up-slope in this area. The proportioned location of this corner fits the original call for a creek to the west quite well. It is assumed that the large number of falling boulders in this area destroyed any evidence of the original corner.

There are no fences, cutting lines or any other signs of corner or line usage at these corners.

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Survey and Calculations

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DOUGLAS COUNTY, ORE.

The survey commenced in February 1976 and was completed in January 1977. The survey is a combination of a triangulation network and chained lines, conducted with a one minute Zeiss theodolite, a Hewlett-Packard 3800-A distance measuring device, and a 300' steel chain. The instruments and chain were periodically checked, adjusted, and calibrated on the standard course at Happy Valley. All traverse loops were closed with an accuracy of 1/8,000 or better.

The survey party consisted, at various times, of the following members:

Russell Crutcher	-	Party Chief
David Williams	-	Instrument Man
Charles LeBold	-	Instrument Man
Robert Wadlinger	-	Chainman
Walter Barton	-	Chainman
Joe Sherriff	-	Chainman
Vern Newton	-	Chainman

Since Section 9 is a standard section, the three lost quarter section corners were single proportioned to the mid-point between the section corners. The section was subdivided in the normal manner as outlined in the "Manual."

The north, east and south lines of the north half of the southwest quarter were run as true lines. Fallings were less than one foot, thus no correction was made to the lines run. The west line of the N $\frac{1}{2}$ SW $\frac{1}{4}$ was run as a random line. Offsets were calculated from traverse points to points on true line for the purpose of posting the true line.

The basis of bearing for initial calculations was the record GLO bearing for the line between the quarter corner common to Sections 8 and 9 and the section corner common to Sections 8, 9, 16 and 17. Four solar observations were made on January 6, 1977. The mean of these four solar observations is the basis of bearing, and all calculations were changed to reflect this.

The center of section was established and monumented as well as the south center 1/16 and the south 1/16 common to Sections 8 and 9. The boundaries of the north half of the southwest quarter were posted with metal fence posts with government property signs attached. The posts are set at maximum intervals of 300 feet.

Corner record cards for all corners monumented and tied by survey are on file at the U.S. Forest Service, Umpqua National Forest.