

May 27, 1969

FIELD NOTES

Work Order #4018 - Survey of a tract of land in Section 31, Township 1 South,
Range 10 East, Willamette Meridian, Hood River County, Oregon.

CREW: David Tuttle, Party Chief
Larry Jones, Transitman
Robert Ulrich, Chainman

DATE COMPLETED: May 26, 1969

On October 21, 1968, our firm was retained by Mr. Hilton Smith of Portland, Oregon to perform a survey for the subdivision of a tract of land in Section 31, Township 1 South, Range 10 East, Willamette Meridian, Hood River County, Oregon, as per the description provided us. The intent of the survey was to provide for the layout of the proposed Mountain Shadows Subdivision.

A search was made for the North quarter corner of Section 31. Two bearing trees were recovered at this point. Using the information recorded on a Forestry poster tacked to one of the bearing trees we recovered a 1 1/2" iron pipe, with a cap stamped by the County Surveyor, buried a half foot below the surface of a private road. This point also conformed with the National Forestry records at Parkdale, Oregon. The two bearing trees are a 20 inch larch bearing North 38° West a distance of 35.0 feet, and an 18 inch pine bearing South 82° East a distance of 59.5 feet. These trees are not the original bearing trees and are assumed to have been set when the corner was reestablished.

A search was then made for the Northwest corner of Section 31. At this point a Government Land Office brass cap was found together with one original bearing tree. The corner was verified against the Government Land Office field notes and accepted. The original bearing tree is a 6 inch fir snag bearing South 85° West a distance of 5.0 feet. New bearing trees established are a 20 inch faced fir bearing North 20° West a distance of 4.0 feet and a faced 20 inch fir bearing South 37° West a distance of 25.5 feet.

A search was then made for the Northeast corner of Section 31. Using a staff compass for alignment we paced to the area of the corner. One original bearing tree with a Forestry tag was found, also a 1 inch pipe lying loose upon the ground. Using the Government calls, the pipe was reset firmly in the ground and a mound of stones placed around to protect it. The original tree is a 26 inch pine bearing North 88° East a distance of 4.6 feet. Another bearing tree was established to further protect its preservation, a 14 inch fir bearing North 50° West a distance of 12.9 feet.

To establish a bearing basis for the survey an angle was turned to make a tie into a prior survey made in Section 4, Township 1 South, Range 9 East, Willamette Meridian (reference Clifford Orth survey Tenneson Engineering Corporation Work Order #3774). An electrotape tie was made between the two surveys to establish Oregon Coordinate

System coordinates on the tract. All bearings used in the survey are Oregon Coordinate System North Zone Grid.

We then returned to the Northwest corner and began a traverse to the North quarter corner. Continuing on Easterly we tied the Northeast corner into the traverse. The traverse was "looped" back to the North quarter corner in order to calculate a closure and to make sure no excessive errors were committed. The distance between the Northwest corner and North one-quarter corner is 2,467.79 feet on a bearing of South 89° 46' 55" East. The distance between the North one-quarter corner and the Northeast corner is 2,599.98 feet on a bearing of South 88° 51' 06" East. These distances and bearings are based upon calculations from our traverse lines.

Continuing our search for corners, we found the West one-quarter corner to be monumented by a Government Land Office brass cap on a 1 1/2 inch pipe. Its position was verified against two remaining original bearing trees as follows: a 6 inch white pine bearing North 87° West a distance of 4.5 feet and a 5 inch pine snag bearing North 14° East a distance of 4.3 feet. A search for the South quarter was then conducted. An iron dowel was found driven into the pavement of the Cooper Spur Highway and two bearing trees as follows: a 12 inch fir bearing North 82° West at a distance of 86.0 feet and a 6 inch fir bearing North 69° East at a distance of 29.0 feet. These are not the original bearing trees and are assumed to have been set when the corner was reestablished. These two corners were linked with a traverse. The calculated course between the Northwest and the West quarter is South 1° 09' 14" West a distance of 2,636.86 feet.

A search was then conducted for the East quarter corner of the section. Starting at the Southeast corner we ran a staff compass and pace traverse Northerly toward the East quarter. It was noted as we ran Northerly that two creek crossings were not mentioned in the government notes. On the side hill of steep descent into Tilly Jane Creek we made our search. No reference was recorded of the sharp descent in the government notes. Also of note was the fact that the calls to Tilly Jane Creek were grossly in error, and the creek was referred to as being Ash Creek. No evidence of the corner was found, and judging by the errors in the notes it was felt that the corner had never been established. No information was on record in the County Surveyor's Office. A check with the ranger station in Parkdale showed that they had not recovered the corner either. At this point, in order to complete the proper subdivision of the section, it was necessary to tie the Southeast corner of the section. The corner was found to be a marked stone 16" x 14" x 10" planted firmly and two original bearing trees as follows: a 10 inch cedar bearing North 62° West a distance of 20.5 feet and a 12 inch cedar bearing North 35° East a distance of 3.3 feet. Since the Northeast bearing tree was in a bad state of deterioration we established a new one as follows: a 16 inch hemlock bearing North 72° East a distance of 31.2 feet. A traverse was run from the West quarter to the Southeast corner and "looped" back again to the West quarter and on to the North one-quarter corner, thus completing a complete loop through all the corners found. After calculations, the distance from the Northeast corner to the Southeast was found to be 5,232.86 feet on a bearing of South 0° 39' 24" West. The calculated course between the South one-quarter corner and the Southeast corner is South 89° 46' 44" East a distance of 2,603.26 feet. An electrotape and angular tie was made to a prior survey for Clifford Orth in Parkdale, Oregon, work order #3774, thus providing a tie to the Oregon State Coordinate System.

The subdivision of the section was calculated in accordance with the Bureau of Land Management manual and the government field notes. The exteriors of the proposed Mountain Shadows Subdivision are as follows: Commencing at the North quarter corner and thence South 88° 51' 06" East a distance of 1,299.69 feet to a point, said point being the East one-sixteenth corner; thence South 0° 37' 48" East a distance of 329.00 feet to a point; thence North 88° 56' 16" West a distance of 1,299.78 feet to a point on the East right-of-way line of the Cooper Spur Highway; thence North 14° 51' 08" West along the East right-of-way line a distance of 342.72 feet to a point at the intersection of the North line of Section 31; thence along the North line on a bearing of North 89° 46' 55" West a distance of 82.48 feet to the North quarter corner.

Corners found and established in the course of this survey, together with measured bearings, distances, and calculated coordinates are shown on the attached map, which by reference is made a part hereof.

REGISTERED
OREGON
LAND SURVEYOR

David L. Tuttle

David L. Tuttle, Oregon Land Surveyor #872

JULY 12, 1968
DAVID L. TUTTLE
872

CHECKED AND APPROVED:

TENNESON ENGINEERING CORPORATION

REGISTERED PROFESSIONAL
ENGINEER
4112
OREGON
MAY 10, 1967
DONALD J. BRANTON

Donald J. Branton

Donald J. Branton, President

LETTER OF TRANSMITTAL

Tenneson Engineering Corporation
 412 West Second Place
 THE DALLES, OREGON 97058

DATE	6-25-69	JOB NO.	4018
ATTENTION			
RE:			

TO

 County Surveyor

 Hood River County Courthouse

 Hood River, Oregon

GENTLEMEN:

- WE ARE SENDING YOU Attached Under separate cover via _____ the following items:
- Shop drawings Prints Plans Samples Specifications
- Copy of letter Change order _____

COPIES	DATE	NO.	DESCRIPTION
1		4018	Field notes
1		4018	Copy of set of reference cards

THESE ARE TRANSMITTED as checked below:

- For approval Approved as submitted Resubmit _____ copies for approval
- For your use Approved as noted Submit _____ copies for distribution
- As requested Returned for corrections Return _____ corrected prints
- For review and comment _____
- FOR BIDS DUE _____ 19 _____ PRINTS RETURNED AFTER LOAN TO US

REMARKS _____

 Please file.

COPY TO Hilton Smith

SIGNED: Tenneson Engineering Corp.