



SURVEY NARRATIVE TO COMPLY WITH PARAGRAPH 209.250
OREGON REVISED STATUTES

LOCATION: Section 34, Township 32 South, Range 1 East of the Willamette Meridian, Jackson County, Oregon.

PURPOSE: To monument the boundary corners and post line markers along that portion of the Elk Creek Project Boundary being in Section 34, as shown on Segment 3 of the Corps of Engineers Elk Creek Lake Real Estate drawings. The survey was performed during February 1988 through July 1988.

PROCEDURE: Establishing Lambert State Plane Coordinate control:

Second order control monument Station SCALES, established by the Corps of Engineers in 1964 and located in the southwest quarter of the southwest quarter-section of adjoining Section 27, was used as a basis of Lambert State Plane Coordinates (South Zone). The 1974 adjusted coordinates were used. The line from Station SCALES to the Section corner common to Sections 27, 28, 33, and 34 was used as a basis of bearing. This section corner was included as part of the USGS "EC lines" traverse in 1964 and has 1974 second order coordinates assigned to it. The USGS record bearing from SCALES to this section corner = South 45°16'23.2" West.

All bearings and distances shown are on State Plane Coordinate grid. Coordinates and distances are shown to .xxx feet and bearings to .x seconds for mathematical consistency only and are not intended to imply accuracy of survey. An average latitude and elevation were used to compute a single grid factor for each individual survey traverse. The grid factor at Station SCALES is:
Scale factor (latitude N 42°45'12") = 0.9999207
Elevation factor (1700') = 0.9999187
Combined (grid) factor = 0.9998394
All horizontal control established by this survey meets requirements of 3rd Order, Class 1, National Oceanic and Atmospheric Administration specifications for geodetic control.

Establishing section subdivision control:

The project boundary within Section 34 is dependent upon section subdivision and subsequent metes and bounds description. A series of traverses were run, using an electronic "total station" 1 second theodolite and distance meter, to locate the controlling section monuments and establish coordinates.

The southeast and southwest section corners and the north and west quarter-section corners of Section 34 have been perpetuated from original evidence.

The northwest corner of the section was re-established by the Jackson County Surveyor in 1955. According to the re-establishment notes, an attempt was made by the County Surveyor to set the monument at a double-proportionate position by using the four adjacent quarter-section corners, but this created a large discrepancy between the resultant north-south distances and the original record distance. He stated that an examination of the topographic calls isolated the problem to an error in the original survey notes between the section corner and the 1/4 corner of Sections 33 and 34 to the south. The corner position was therefore established at single proportionate position east-west and record distance of 2640 ft. from the north.

The original monument and accessories at the northeast corner of the section have been lost, most likely due to the several fires that have occurred in that area since the original survey. A monument was set at double-proportionate position in 1980, a record of which is now on file at the County Surveyor's Office as Survey No. 8404 (RLS 601). The 1/4 section corner of Section 34, west and north, and the southeast corner of Section 34 were used. The monumented position was destroyed by firefighting activities in September, 1987. However, the 1980 bearing trees were left intact. The corner was re-monumented from these bearing trees by the BLM in April, 1988.

The original 1/4 corner position between Sections 34 and 35 has also been lost, most likely due to forest fires. The computed single proportionate position was used for this survey. No monument was set at the proportionate position.

The 1/4 corner on the south boundary of Section 34 was evidently monumented at single-proportionate position by Elk Lumber Company in 1967. The record of survey has not been filed with the County Surveyor's Office.

The metal-filled reducers found at the north 1/16 corner between Sections 33 and 34 and at the west 1/16 corner between Sections 27 and 34 were both stamped with "CS". They most likely were set during a private survey. Filed Survey No. 703, (RLS 281), in 1955.

The location of the W-W 1/64th section corner on the north boundary of Section 34 was computed on a bearing between the southwest corner of the section and the W 1/16th section corner between Sections 27 and 34.

The map of Filed Survey No. 10267 (RLS 803) shows an approximate location being marked at the NE-NW-NW 1/256th corner. From the Berntsen aluminum monument set on this survey, a 2" diameter brass cap, stamped "Approx cor RLS 803 1985", on a 1" pipe, bears North 2°04' West 2.92 ft.

Using the section control determined as described above, Section 34 was subdivided and monumented as shown on the plat on sheet 1. The intermediate project boundary monuments were positioned for intervisibility.

SECTION CONTROL - (Bearings oriented to true north)

FOUND:

Section corner common to Sections 27, 28, 33, and 34:
Found, the 1.5" diameter reducer on a 1" pipe set in concrete, set by the County Surveyor in 1955, from which the bearing trees marked at that time were found at record location and in good condition.

Section corner common to Sections 3 and 4 in Township 33 South, and Sections 33 and 34 in Township 32 South:
Found, the 2.5" reducer on a 1.5" pipe set by the County Surveyor in 1955, and the following trees marked at that time:
5" oak with healed blazes bears N 40°W 6.0 ft.
9" oak with healed blazes bears N 60° E 30.6 ft.
22" fir with healed blazes bears S 36° E 64.5 ft.

Section corner common to Sections 2 and 3 in Township 33 South, and Sections 34 and 35, Township 32 South:
Found, the 3" diameter BLM brass cap set in 1968, exposed 3", and the following original bearing trees:
63" diameter sawed fir stump, charred by recent fire, bears N 59° E 30.3 ft.
41" diameter sawed fir stump, charred by recent fire, bears S 61°46' E 18.6 ft.
15" fir with broken top, healed blazes, bears S 65°30' W 20.6 ft.
52" diameter sawed fir stump, charred by recent fire, bears N 26°47' W 62.7 ft.
The bearing tree marked by the BLM, a 16" fir with healed blazes, bears S 5°44' W 39.3 ft.

Section corner common to Sections 26, 27, 34, and 35:
Found, the 3" diameter BLM brass cap, recently set and not yet of record, exposed 3" at the top of an unstable cut bank on the south side of a logging road, from which bear the following bearing trees marked on Survey No. 8404 in 1980:
14" fir with healed blazes bears N 31°43' W 63.7 ft.
11" fir with scribing visible bears N40°54'E 61.2 ft.
15" fir with scribing visible bears S62°48'W 55.7 ft.
13" madrone, scribing visible, bears S57°41'E 93.8 ft.
The monument is set at the double-proportionate position as established by Survey No. 8404.

Quarter-section corner common to Sections 33 and 34:
Found, the metal-filled reducer on a 1" pipe, set by the County Surveyor in 1955 from original evidence, and the following bearing trees marked at that time:
11" fir with healed blazes bears N 36° E 90.2 ft.
7" oak with healed blazes bears S 15° W 22.5 ft.

Quarter-section corner common to Sections 27 and 34:
Found, the metal-filled reducer on a 1" pipe, set by the County Surveyor in 1955 from original evidence, and the following bearing trees:
20" fir, recently blazed and scribed, bears N 57° E 58.0 ft.
17" Yew, dead from recent fire, bears N 85° W 12.6 ft.
11" fir with healed blazes bears S 7° W 20.7 ft.
9" diameter fir stump, fire charred, bears S 20° E 20.3 ft.

Quarter-section corner common to Section 34, Township 32 South, and Section 3, Township 33 South: Found, a metal-filled reducer on a 1.5" pipe, exposed 33". This monument is not of record, and no bearing trees are obvious. All trees in the area were badly burned in the recent fire.

Quarter-section corner common to Sections 26 and 27:
Found, the metal-filled reducer on a 1.5" pipe, set from original evidence on Survey No. 2167 (RLS 583) in 1963, exposed 9", and the following bearing trees:
32" fir with healed lower blaze bears S 70° E 18.0 ft.
23" fir with healed lower blaze bears N 37° W 29.2 ft.

Quarter-section corner common to Sections 26 and 35:
Found, the metal-filled reducer on a 1.5" pipe, set from original evidence on Survey No. 2779 (RLS 583) in 1965, exposed 6", and the following bearing trees:
10" fir with healed lower blaze bears S 38° E 9.6 ft.
10" diameter sawed fir stump, recently charred by forest fire, bears N 26° W 11.9 ft.

North sixteenth-section corner between Sections 33 and 34:
Found, the metal-filled reducer on a 1" pipe, exposed 9", stamped "CS", set on Survey No. 730 (RLS 281) in 1955, and the following bearing trees:
23" fir with healed blazes bears S 27° W 17.5 ft.
12" fir with healed blazes bears S 28° E 20.0 ft.

West sixteenth-section corner between Sections 27 and 34:
Found, the metal-filled reducer on a 1" pipe, exposed 9", stamped "CS", set on Survey No. 730, and the following bearing trees:
8" fir with scribing visible, recently killed by forest fire, bears S 69°04' E 10.0 ft.
11" madrone with scribing visible, recently killed by fire, bears N 23°38' E 16.2 ft.

REGISTERED
PROFESSIONAL
LAND SURVEYOR

Roger R. Roberts

OREGON
JULY 14, 1978
ROGER R. ROBERTS
1656

U.S. ARMY ENGINEER DISTRICT, PORTLAND		
ROGUE RIVER BASIN ELK CREEK LAKE PROJECT BOUNDARY MONUMENTATION SECTION 34, TOWNSHIP 32 SOUTH, RANGE 1 EAST, W.M. JACKSON COUNTY, OREGON		
SUPERVISED: <i>RRB</i>	DRAWN: H-P CAM	Ref: Real Estate Segment Map 3 NPPEN-SY-86-50
DATE: August, 1988	SHEET: 2 of 2	PREPARED BY: HOFFBURN & ASSOCIATES, INC. MEDFORD, OREGON