

N409000
E1405000
20 21
29 28
21 22
28 27
E1410000

28

-6 = -1'30"04"
at Δ SCALES

LAMBERT COORDINATES

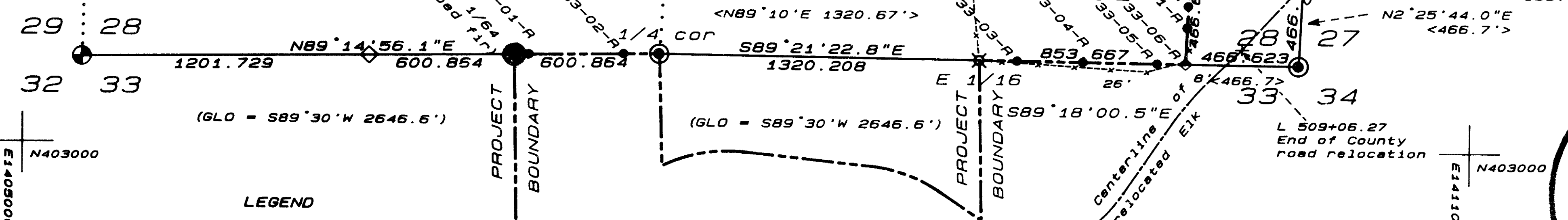
DESCRIPTION	NORTH	EAST
Control Station SCALES	403786.150	1410724.400
Sec cor 28, 29, 32, 33	403354.452	1405245.552
Sec cor 27, 28, 33, 34	403355.000	1410289.120
1/4 cor Sec 28/33	403385.958	1407648.803
1/4 cor Sec 28/27	405992.553	1410400.015
W 1/16 Sec 28/33	403370.205	1406447.178
E 1/16 Sec 28/33	403371.127	1408968.928
S 1/16 Sec 28/27	404674.122	1410344.455

PROJECT BOUNDARY

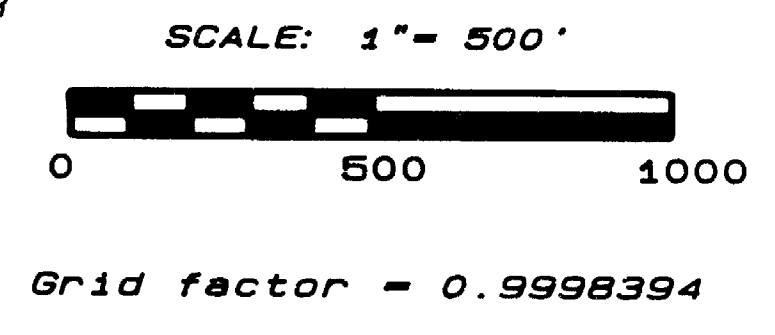
E-W 1/64 Sec 28/33	N 89 14 56.1 E	10.008	403378.081	1407047.991
28/33-01-R	N 89 14 56.1 E	442.757	403378.212	1407057.998
28/33-02-R	N 89 14 56.1 E	148.100	403384.016	1407500.716
1/4 cor Sec 28/33			403385.958	1407648.803

E 1/16 Sec 28/33	S 89 18 00.5 E	158.625	403371.127	1408968.928
28/33-03-R	S 89 18 00.5 E	272.379	403369.189	1409127.541
28/33-04-R	S 89 18 00.5 E	306.971	403365.862	1409399.900
28/33-05-R	S 89 18 00.5 E	115.692	403362.113	1409706.848
28/33-06-R	S 89 18 00.5 E	115.692	403360.700	1409822.532
28-01-R	N 2 24 27.2 E	150.542	403511.109	1409828.855
28-02-R	N 2 24 27.2 E	88.578	403599.609	1409832.576
28-03-R	N 2 24 27.2 E	227.503	403826.911	1409842.133
28-04-R	S 89 19 10.7 E	302.235	403823.322	1410144.346
28-05-R	S 89 19 10.7 E	95.593	403822.187	1410239.932
28/27-01-R	N 2 18 42.2 E	193.389	403821.368	1410308.902
28/27-02-R			404014.599	1410316.703

- See sheet 2 for horizontal control details -



(Total project area
in Sec 28 = 5.00 acres)



- LEGEND
- Found USCE brass disc, second order control monument
 - Found brass cap set by Bureau of Land Management
 - Found 2.5" dia. lead-filled reducer on 1.5" dia. pipe
 - Found County Surveyor lead-filled reducer on 1" pipe
 - No monument set
 - Set brass disc on rock surface
 - Set Berntsen aluminum monument stamped with point number, date, and "L.S. 1855". Alongside, set metal post with boundary sign.
 - Blazed & scribed 31" fir tree
 - - - Fenceline
 - - - Overhead powerline
 - () General Land Office record measurements *
 - (() Bureau of Land Management record measurements *
 - < > Filed Survey No. 730 (ALS 281) record measurements*
- * not reduced to grid

I, Roger R. Roberts, registered land surveyor in the State of Oregon, hereby certify that this plat and notes hereon, or attached, are a correct representation of a survey I performed during February, 1988, through July, 1988, at the request of the U.S. Army Corps of Engineers, in accordance with the survey recording act of the State of Oregon, and articles of the Department of the Army, Portland District, Corps of Engineers, Contract No. DACW57-87-C-0054.

Roger R. Roberts
Roger R. Roberts

**** RECEIVED ****

Date: *July 14, 1978* By: *R.R.R.*

This survey consists of:
 - sheet(s) Map
 - (plotted) Narrative
 - JACKSON COUNTY SURVEYOR

REGISTERED
 PROFESSIONAL
 LAND SURVEYOR

Roger R. Roberts

OREGON
 JULY 14, 1978
 ROGER R. ROBERTS
 1855

U.S. ARMY ENGINEER DISTRICT, PORTLAND

ROGUE RIVER BASIN
 ELK CREEK LAKE
 PROJECT BOUNDARY MONUMENTATION
 SECTION 28, TOWNSHIP 32 SOUTH, RANGE 1 EAST, W.M.
 JACKSON COUNTY, OREGON

SUPERVISED: <i>R.R.R.</i>	DRAWN: H-P CAM	Ref: Real Estate Segment Map 3 NPPEN-SY-85-50
DATE: AUGUST, 1988	SHEET: 1 of 2	PREPARED BY: HOFFBUHR & ASSOCIATES, INC. MEDFORD, OREGON

T 32 S R 1 E 27 TL 1800

11327

SURVEY NARRATIVE TO COMPLY WITH PARAGRAPH 209.250
OREGON REVISED STATUTES

LOCATION: Section 28, 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 28, 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, estab-
lished 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 USCE "EC lines" traverse in 1964 and has 1974
second order coordinates assigned to it. The USCE 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 28 is dependent
upon the section boundary and 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 southwest section corner and the south and
east quarter-section corners of Section 28 have been
perpetuated from original evidence.

The southeast 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 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 metal-filled reducers found at the south 1/16 cor-
ner between Sections 27 and 28 and at the east 1/16 corner
between Sections 28 and 33 were both stamped with "CS",
indicating that they were set by the County Surveyor. They
most likely were set during a private survey, Filed Survey
No. 703, (ALS 281), in 1955.

The portion of Tract 314 being in Section 28 was
monumented as described in Instrument No. 74-08008 of the
Official Records of Jackson County. The entire parcel
described in Instrument No. 74-08008 lays in Sections 27,
28, and 33. Although the metes & bounds courses outlined in
the description do not call for the parcel configuration to
coincide with the four section lines radiating from the
southeast corner of Section 28, this appeared to be the
intent. Therefore, the 5 acre tract in Section 28 was
surveyed as being 466.7 ft (geodetic) on each side, and
laying parallel with the east and south boundaries of the
section. The monument found at 27/28-01-R, a metal-filled
reducer on a pipe, was found to be 0.23 ft. from the
computed position, but was accepted as marking the northeast
corner of the tract. A similar monument, dislodged and
laying loose on the ground, was found in the vicinity of the
southwest corner of the tract. Also, a similar monument
found at 27/28-02-R was determined to be 0.16 ft. from the
computed position. It was accepted and used for this
survey.

Using the section control determined as described
above, Section 28 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 28, 29, 32, and 33:
Found, the 3" diameter BLM brass cap set in 1968,
exposed 4", and the following original bearing trees:
10" fir with healed blazes bears N 77° E 23.0 ft.
23" fir with healed blazes bears S 15° W 30.4 ft.
38" fir with healed blazes bears N 15° W 8.5 ft.
22" fir with healed blazes bears S 66° E 6.0 ft.
A 38" fir with healed blazes, marked by the BLM, bears
N 15° W 8.5 ft.

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 four bearing trees marked at that time were
found in good condition. Only two of the trees were
measured to at this time:
18" fir with healed blazes bears S 59° E 216.4 ft.
24" fir with healed blazes bears N 63° W 241.5 ft.

Quarter-section corner common to Sections 28 and 33:
Found, the 2.5" reducer on a 1.5" pipe set from ori-
ginal evidence by the County Surveyor in 1955, exposed
10", and the following bearing trees marked at that
time:
17" fir with healed blazes bears S 56° E 22.7 ft.
9" diameter sawed fir stump, tree lying nearby with
healed blazes, bears N 11° E 36.2 ft.

Quarter-section corner common to Sections 27 and 28:
Found, the 3" diameter BLM brass cap set in 1968, on a
2.5" pipe exposed 7", and the following original
bearing trees:
22" fir with healed blazes bears S 68° E 22.6 ft.
15" fir snag, with scribing visible, bears S 53° W 2.6
ft.
A 12" fir, marked in 1968, with blazes now healed,
bears S 22° W 32.5 ft.

South sixteenth-section corner between Sections 27 and 28:
Found the metal-filled reducer on a 1" pipe, set in
1955 on Survey No. 730, stamped with "CS", and the
following bearing trees:
17" fir with healed blazes bears N 80° W 11.9 ft.
12" fir with healed blazes bears N 11° E 33.5 ft.
The monument is approximately 20 ft. north of the
centerline of Flat Creek Road.

East sixteenth-section corner between Sections 28 and 33:
Found, the metal-filled reducer set in 1955 on Survey
No. 730, flush with the ground at the southwest corner
of a fence, and the following bearing trees:
27" fir with healed blazes bears S 45°57' E 21.2 ft.
20" fir with healed blazes bears N 15° E 9.2 ft.

SET:

E-W 1/64th section corner on the north boundary of Section
33 is marked by a 31" douglas-fir tree. This tree was
double blazed and marked "E-W 1/64 S33 BT" on the
south face, and "E-W 1/64 S28 BT" on the north face.
Monument 28/33-01-R was set at 10.00 ft. to the east
on the section line as a witness monument. Also,
a Berntsen aluminum monument stamped "33-30-R" was set
southerly 10.00 ft. as a witness monument, being on the
project boundary in Section 33.

PROFESSIONAL
LAND SURVEYOR

Robert Roberts

OREGON
JULY 14, 1978

U.S. ARMY ENGINEER DISTRICT, PORTLAND

ROGUE RIVER BASIN
ELK CREEK LAKE
PROJECT BOUNDARY MONUMENTATION
SECTION 28, TOWNSHIP 32 SOUTH, RANGE 1 EAST, W.M.
JACKSON COUNTY, OREGON

SUPERVISED: <i>RRR</i>	DRAWN: H-P CAM	Ref: Real Estate Segment Map 3 NPPEN-SY-86-50
DATE: August, 1988	SHEET: 2 of 2	PREPARED BY: HOFFBUHR & ASSOCIATES, INC. MEDFORD, OREGON

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