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4-679

FIELD NOTES

OF THE SURVEY OF THE

Retracement Resurvey and Subdivision

of

Section 34

Township No. 3 North Range No. 35 East

and the Survey of

Tract No. 37

Of the Willamette Meridian,

In the State of Oregon

EXECUTED BY

Joseph A. Ganong, U. S. Cadastral Engineer

In the capacity of U. S. Surveyor, under Special Instructions dated Nov. 4, 1921, issued by the United States Surveyor General to govern surveys included in Group No. 100, which were approved by the Commissioner of the General Land Office, Nov. 29, 1922., ~~191x~~, and Assignment Instructions dated Mar. 26, 1923., ~~191x~~

Survey commenced October 27, 1923., 191

Survey completed October 30, 1923., 191

ACCEPTED BY THE HON. COMMISSIONER G. L. O. Feb 13-1924

INDEX DIAGRAM.

Township 3 North, Range 35 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Handwritten annotations in the bottom-right section of the grid:

- Section 34: A vertical line labeled '8' above it, and a horizontal line labeled '7' to its left.
- Section 35: A horizontal line labeled '5' above it, and a vertical line labeled '3' below it.
- Section 34 and 35: A horizontal line labeled '11' below the section boundary.
- Section 34: A horizontal line labeled '10' below the section boundary.

Tract No. 37, pages 11, 12, and 13.

Township 3 North, Range 35 East.

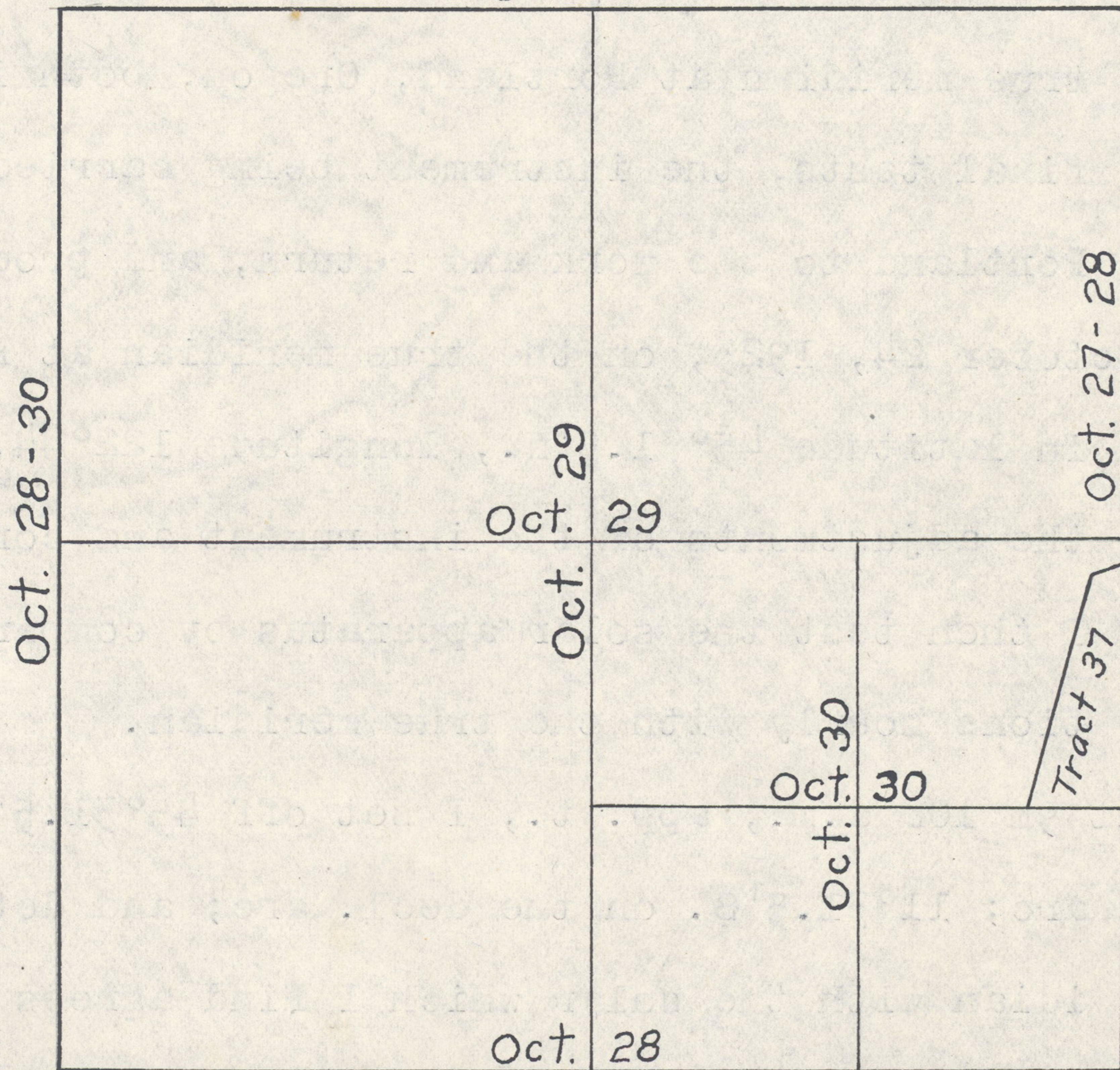
DATE DIAGRAM.

Section 34,

Township 3 North, Range 35 East.

Year, 1923.

Oct. 28



Tract No. 37 surveyed Oct. 30.

Township 3 North, Range 35 East.

Chains

Survey commenced October 27, 1923 and executed with a Buff and Buff solar transit No. 9987, 1915 model, with U-shaped standards, $4\frac{1}{2}$ -inch horizontal circle, 4-inch vertical circle, and improved Smith solar attachment; all azimuth determinations are accomplished with the solar attachment.

The instrument was examined, tested, and approved by the Assistant Supervisor of Surveys conditional upon satisfactory field examination and test in Assignment Instructions dated March 26, 1923.

Owing to the limited funds (Special Deposit) available for making this survey and to save time and expense in the field I make my field test of the instrument on the true meridian at Portland, Oregon, both initial and final tests, the instrument being carried in hand from Portland to the work and return, and proceed as follows; October 24, 1923, on the true meridian at Portland, Oregon in latitude $45^{\circ}31.5'N.$, longitude $122^{\circ}44.3'W.$, I examine the adjustments of the instrument and correct all errors. I then test the solar apparatus by comparing its indications hourly with the true meridian.

At 9h 10m a.m., app. t., I set off $45^{\circ}31.5'N.$ on the lat. arc; $11^{\circ}31.5'S.$ on the decl. arc; and determine a meridian with the solar which I find agrees with the true meridian.

At app. noon with the lat. arc unchanged, I observe the sun on the meridian; the resulting reading of the decl. arc is $11^{\circ}35'S.$, which agrees with the computed declination.

At 3h 0m p.m., app. t., with the lat. arc unchanged, I set off $11^{\circ}36.5'S.$ on the decl. arc; and determine a meridian with the solar which I find to agree with the true meridian.

As all of the solar observations during the usual hours of solar work come within $1'30''$ of the true meridian, I conclude the adjustments of the instrument are satisfactory.

Township 3 North, Range 35 East.

Chains All measurements are made on the slope with a Lallie 5-chain steel tape, compared with a Lufkin standard 1-chain steel tape and found correct, vertical angles are determined with an Abney clinometer and all slope measurements reduced to true horizontal distances.

Final Test.

November 1, 1923; At the above described station, at 9h 5m a.m., app. t., I set off 45°31.5'N. on the lat. arc; 14°13'S., on the decl. arc; and determine a meridian with the solar which I find to agree with the true meridian. At app. noon, with the lat. arc unchanged, I observe the sun on the meridian; the resulting reading of the decl. arc is 14°16'S., which agrees with the computed declination of the sun.

At 3h 0m p.m., app. t., with the lat. arc unchanged, I set off 14°17.5'S., on the dec. arc; and determine a meridian with the solar which I find to agree with the true meridian.

Retracement S. Bdy. T. 3 N., R. 35 E.

Note: All corners hereinafter described which are at variance with the original record of the Public Land Survey and not established by me, are restorations made by the Indian Service in making Allotment Surveys and are now the best obtainable evidence of the location of the record corners, and are here particularly described as follows: All posts are 2-inch galvanized iron pipe, 3 1/2 ft. long, with brass cap toggled to the post, uniformly marked 'Indian Allotment Penalty \$250 For Removal', with blank space for the addition of appropriate marks, as section, township, and range numbers.

I commence at the cor. of secs. 34 and 35, on the S. bdy. of the Tp., in latitude 45°46'N., longitude 118°24'W., magnetic decl. 19°30'E.; which is a 2-inch iron post, firmly set, and extending 12 inches above the ground, with brass cap marked

T3N | R35E
S34 | S35
1919

Thence

Retracement S. Bdy. T. 3 N., R. 35 E.

Chains S. 89° 50' W., retracing the S. bdy. of Sec. 34.
 Along gentle N. slope, through grain field.
 1.70 Enter thicket, bears N. and S.
 1.80 Dry draw, course NW.
 4.40 Leave thicket, bears N. and S., enter field and descend NW. slope.
 9.90 Descend over rim-rock, 70 ft. high, bears NE. and SW.
 12.15 Bottom of descent, bears NE. and SW., thence over level land on river bottom through dense undergrowth.
 19.97 Intersect the E 1/16 sec. cor. on the S. bdy. of Sec. 34, which is a 2-inch iron post, firmly set, extending 12 inches above ground, with a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor., and brass cap marked

T3N	R35E
E 1/16	S34
1919	

22.15 Road, bears NE. and SW.
 22.65 Right-of-Way fence, bears N. 57 1/2° E. and S. 57 1/2° W.
 23.90 Center of track, O.W.R.R. & N.R.R., bears N. 57° 30' E. and S. 57° 30' W.
 25.25 Right-of-Way fence, bears N. 57 1/2° E. and S. 57 1/2° W.
 27.05 Road; bears NE. and SW.
 34.42 Intersect the witness cor. to the 1/4 sec. cor. on the S. bdy. of Sec. 34, which is a 2-inch iron post, firmly set, extending 12 inches above the ground, with a mound of stone, 2 ft. base, 1 1/2 ft. high, E. of cor., and brass cap marked

T3N	R35E
WC 1/4	S34
1919	

34.95 Left bank of Umatilla River, course S. 70° W., thence across river.
 39.94 At north edge of river on flat gravel bar subject to overflow, is point for 1/4 sec. cor. as hereinafter determined. Am unable to find any evidence of the old 1/4 sec. cor., set temp. cor.
 Thence across river.
 44.70 Left bank of Umatilla River, course N. 20° W.

Retracement S. Bdy. T. 3 N., R. 35 E.

- Chains
- 54.20 Left bank of Umatilla River, 150 lks. wide, course SW., ascend SE. slope, 45 ft. over open land.
- 59.50 Dry ravine, course S., ascend SE. slope, 195 ft.
- 70.45 Top of spur, slopes S., descend W. slope, 70 ft.
- 74.30 Spring branch, 1 lk. wide, in ravine, course S., ascend E. slope, 114 ft. to
- 79.88 Intersect the cor. of secs. 33 and 34, which is a 2-inch iron post, firmly set in a mound of stone, with brass cap marked

T3N	R35E
S33	S34
1919	

Land, rolling and level.
 Soil, rich sandy loam, 1st rate and rocky 4th rate.
 Timber, scattering balm.
 Undergrowth, thorn, briars and vines.

Retracement-Resurvey Subdivisions, T. 3 N., R. 35 E.

From the cor. of secs. 34 and 35 on the S. bdy. of the Tp., N.1°15'W., retracing the line bet. secs. 34 and 35; at 19.51 chs. fall 1 lk. W. of the S 1/16 sec. cor.; at 39.80 chs. fall 2 lks. W. of the 1/4 sec. cor., and at 79.94 chs. fall 34 lks. W. of the cor. of secs. 26, 27, 34, and 35.

From the cor. of secs. 34 and 35, on the S. bdy. of the Tp., N.1°13'W., retracing the line bet. secs. 34 and 35.

Descend gradual N. slope, 140 ft., through grain field.

- 5.45 Leave field, bears NW. and SE., enter dense undergrowth and descend abruptly.
- 8.15 Bottom of descent, bears NE. and SW., thence over level bottom land.
- 13.25 Road, bears NE. and SW.
- 13.51 Right-of-Way fence, bears N.57½°E. and S.57½°W.
- 14.91 Center of track, O.W.R.R. & N.R.R., bears N.57°30'E. and S.57°30'W.
- 15.78 Right-of-Way fence, bears N.57½°E. and S.57½°W.
- 19.51 Intersect the S 1/16 sec. cor. of secs. 34 and 35, which is a 2-inch iron post, firmly set, extending 12 inches

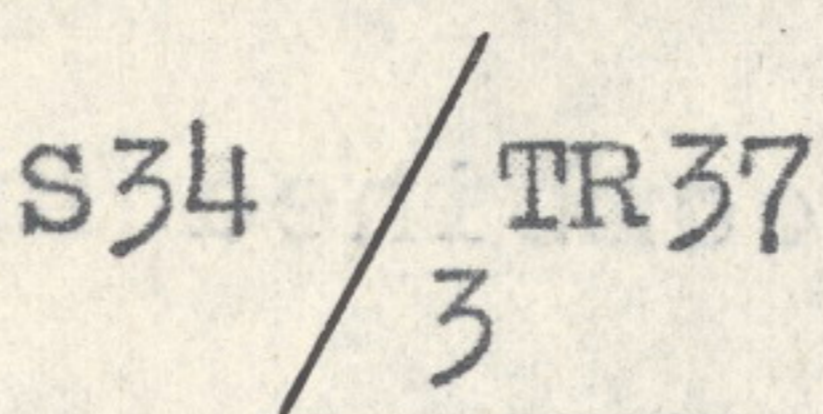
Survey of Tract No. 37, T. 3 N., R. 35 E.

Chains
18.04

Intersect the south latitudinal subdivisional line of
sec. 34.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the
ground, for Cor. No. 3, Tract 37, with brass cap marked

T3N R35E



1923

from which

A pine, 18 ins. diam., bears N.23½°E., 120 lks. dist.,
marked A P 3 T R 37 B T.

A pine, 14 ins. diam., bears N.69¼°E., 108 lks. dist.,
marked A P 3 T R 37 B T.

Thence

N.89°58'E., along the S. bdy. of Tract No. 37, and along
the south latitudinal subdivisional line of Sec. 34.

Over level land, through scattering timber and dense un-
dergrowth.

7.01 To Cor. No. 4, Tract No. 37, identical with the S 1/16
sec. cor. bet. secs. 34 and 35, and the place of begin-
ning, containing 8.30 acres.

Land, level.

Soil, rocky, 4th rate.

Timber, scattering balm and pine.

Undergrowth, dense thorn, briars and vines.

General Description.

This survey is made for the purpose of defining the
boundaries of Tract No. 37, containing 8.30 acres and
lying along the south and east sides of old Lot 9, Sec-
tion 34, T. 3 N., R. 35 E.

The tract is in itself apparently a worthless strip of
land, the soil being composed of river sand and gravel
on the Umatilla River bottom, and is covered over the
larger portion with a scattering growth of balm and pine
trees, with a dense growth of underbrush consisting main-

00210

General Description.

ly of thorn, briars and vines.

Within the boundaries of the tract are located the extreme head works of the City of Pendleton water system, this consisting merely of an underground conduit into which the waters of several strong springs are permitted to enter, their combined strength furnishing the City's water supply.

October 30, 1923.

Joseph A. Ganong,
U. S. Cadastral Engineer.

CERTIFICATE OF UNITED STATES SURVEYOR.

I, Joseph A. Ganong, U. S. Cadastral Engineer, ~~U.S. Surveyor~~, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Oregon bearing date of the 4th day of November, 1922, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of Tract No. 37; retracement, resurvey and subdivision of Section 34, Township No. 3 North, Range No. 35 East.

Willamette Meridian, in the State of Oregon, which are represented in and index diagram and on dates shown on date diagram the foregoing field notes/as having been executed by me, and under my direction, and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for Oregon and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Portland, Oregon.
December 8, 1923.

Joseph A. Ganong
U.S. Cadastral Engineer ~~U.S. Surveyor~~

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Portland, Oregon, December 28, 1923

The foregoing field notes of Retracement, Resurvey and Subdivision of Section 34, and Survey of Tract No. 37, Township No. 3 North, Range No. 35 East of the Willamette Meridian, Oregon,

executed by Joseph A. Ganong, U. S. Cadastral Engineer under his special instructions dated November 4, 1922, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Wesley M. Carviss
U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

U. S. Surveyor General.

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FIELD ASSISTANTS.

NAMES.	CAPACITY.
George L. Raglan	1st Assistant
Charles J. Bellmer	2nd Assistant