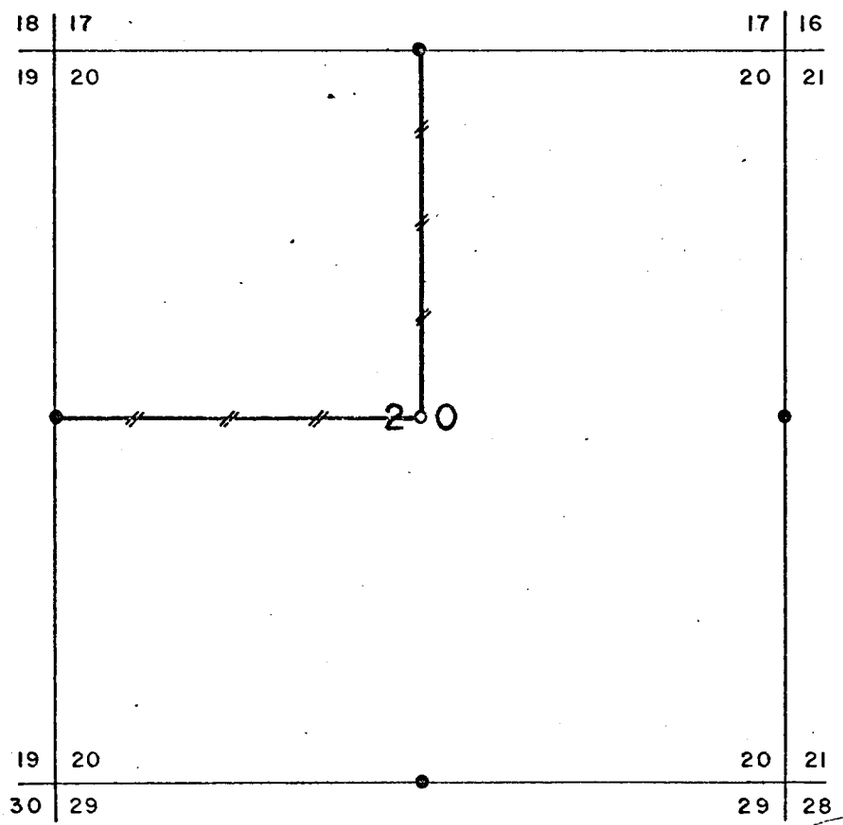
TRIANGLE ENGINEERING CO.

SURVEY OF

SECTION 20, TOWNSHIP 24S, RANGE 8W, W.M.



Line Blazed

Corners Found ●

Corners Set o

Transit and slope chain survey

This survey was made for Weyerhaeuser Company, North Bend, Oregon by Nick Juliano Oregon Professional Engineer, Reg. No. 3449

Helpers: Donald Peel and Leslie Roberts

Date of survey: July 21 through August 29, 1969

Filed for record at Douglas Co. Surveyors Office, September 1969. Douglas County Surveyors File No. _____

Distribution:
Triangle Engineering Co.
Weyerhaeuser Company
Douglas Co. Surveyors Office

Reported Sept. 1969

By Nick Juliano

C. S. File No. 55/120 - 2A

SUBDIVISION OF SECTION 20, TOWNSHIP 24 SOUTH, RANGE 8 WEST, WILLAMETTE MERIDIAN

The following corners were found and used for control:

$\frac{1}{4}$ corner common to Sections 19&20, T24S, R8W
$\frac{1}{4}$ corner common to Sections 17&20, T24S, R8W
$\frac{1}{4}$ corner common to Sections 20&21, T24S, R8W
$\frac{1}{4}$ corner common to Sections 20&29, T24S, R8W

Closed traverses were run for the subdivision and true line determination.

Bearings were based on solar observation.

The compass rule was used in balancing the closed traverses.

A closure of not less than 1 in 5000 was obtained, both for the chaining and angles.

SETTING PROPERTY CORNERS AND DETERMINATION OF THE TRUE LINE

The center of section 20 was determined by the intersection of the N-S and E-W centerlines of said section. Said corner was set by staff compass and chain from the nearest control hub. Corner references were set by compass and chain using a declination of 20 degrees.

Offsets in the cardinal direction were calculated from each control hub to the true line. A staff compass was run between the offsets. Trees on both sides of the true line were marked with two blazes angled toward the true line. A notch was cut in each blaze. 2" x 8" aluminum property line tags were periodically nailed to trees along the true line. Plastic red and white striped engineers flagging was also hung along the true line.

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DOUGLAS COUNTY, ORE.

C. S. File No. 55/120-2b

REFERENCE METHOD

All corners were referenced by the Weyerhaeuser Method:

A "W" nail was driven low in a tree. An embossed aluminum plate was nailed head high on the same tree with 8d aluminum nails. Stamped on the plate is the bearing and distance from the "W" nail to the corner.

CORNER DATA

19|20 ¼ corner common to Sections 19&20, T24S, R8W

BLM Survey Record:

BLM Brass Cap		
28" Fir	N49½E	49 lks
27" Fir	S78½W	36 lks

Evidence Found:

BLM Brass Cap		
28" Fir	N49½E	49 lks
24" Fir Stump	N78½W	36 lks

Referenced with "W" nails and plates:

*71

26" Fir	S87E	10.7'
22" Fir Stump	N52W	17.2'

17/20 ¼ corner common to Sections 17&20, T24S, R8W

GLO Survey Record:

Post		
60" Fir	North	29 lks
30" Fir	S87W	61 lks

Evidence Found:

Aluminum pipe		
72" Fir Stump	North	29 lks
48" Fir Stump	S87W	61 lks

20|21 ¼ corner common to Sections 20&21, T24S, R8W

BLM Survey Record:

BLM Brass Cap		
18" Fir	S18E	59 lks
18" Fir	S77W	61 lks

Evidence Found:

18" Fir	S22E	59 lks
16" Fir	S73W	61 lks
BLM Brass Cap		

CS 55/120-2c

20/29 $\frac{1}{4}$ corner common to Sections 20&29, T24S, R8W

BLM Survey Record:

BLM Brass Cap		
12" Fir	N12$\frac{1}{2}$E	76 lks
22" Hemlock	S18$\frac{1}{2}$E	6 lks

Evidence Found:

BLM Brass Cap		
14" White Fir	N12$\frac{1}{2}$E	76 lks
18" Hemlock	S18$\frac{1}{2}$E	6 lks

Ctr. Sec. 20 Center of Section 20, T24S, R8W

Set 2" iron pipe with brass cap. Referenced with "W" nails and plates.

#72 36" Fir	S21W	19.2'
40" Fir	N22E	9.3'

CS 55/120-2d

C. S. File No. 55/120-2