

NARRATIVE

This survey was ordered by Harry Collman, owner of R.D. Mac, Inc.. The purpose of this survey is to comply with an order of the Division of State Lands as well as to comply with conditions set forth by the Union County Planning Commission for a permit to remove gravel from the Grande Ronde River by R.D. Mac, Inc.. The cross sections were taken July 31, 1986. At this time the cross sections were run by stadia at all major breaks on each gravel bar. The end areas were computed in the office after drafting contours of each bar and drawing a computed baseline and then drawing a perpendicular line through the various bars from the computed baseline. The major control points and their references were established by survey number 31-85. The baselines shown are the same as in survey number 31-85. The baselines have been extended as necessary to provide complete cross sections of the bars, which have shifted since survey number 31-85. The elevations are based on the bench mark in the North end of the Grande Ronde River bridge (Highway 82), which is a brass disc marked O.S.H.D. bench mark F-673. The 1976 published elevation is 2740.70 (U.S.C.S. datum) STATE LANDS PERMIT NO. 4207



BASIS OF BEARING

The forward bearing as published by the U.S.C. and G.S. from Δ College to Δ Valley, dated 1946

LEGEND

- \odot Found concrete monument with brass cylinder as per Union County corner monumentation records
- \circ Found 5/8" iron pin with plastic cap marked BGA SURVEY MARKER set by survey number 31-85
- \square Found 5/8" square iron pin with plastic cap marked BGA SURVEY MARKER set by survey number 31-85
- \triangle Found 50d spike in tree as described set by survey number 31-85
- ---|---| Baseline for cross sections
- ---x---x Existing fence line

UNION COUNTY SURVEYOR
 Date Received 8-19-86
 Date Filed 9-19-86
 By G. LANGRIZ, DEPUTY
 File No. 26-86

SEE NARRATIVE DRAWER 1/8

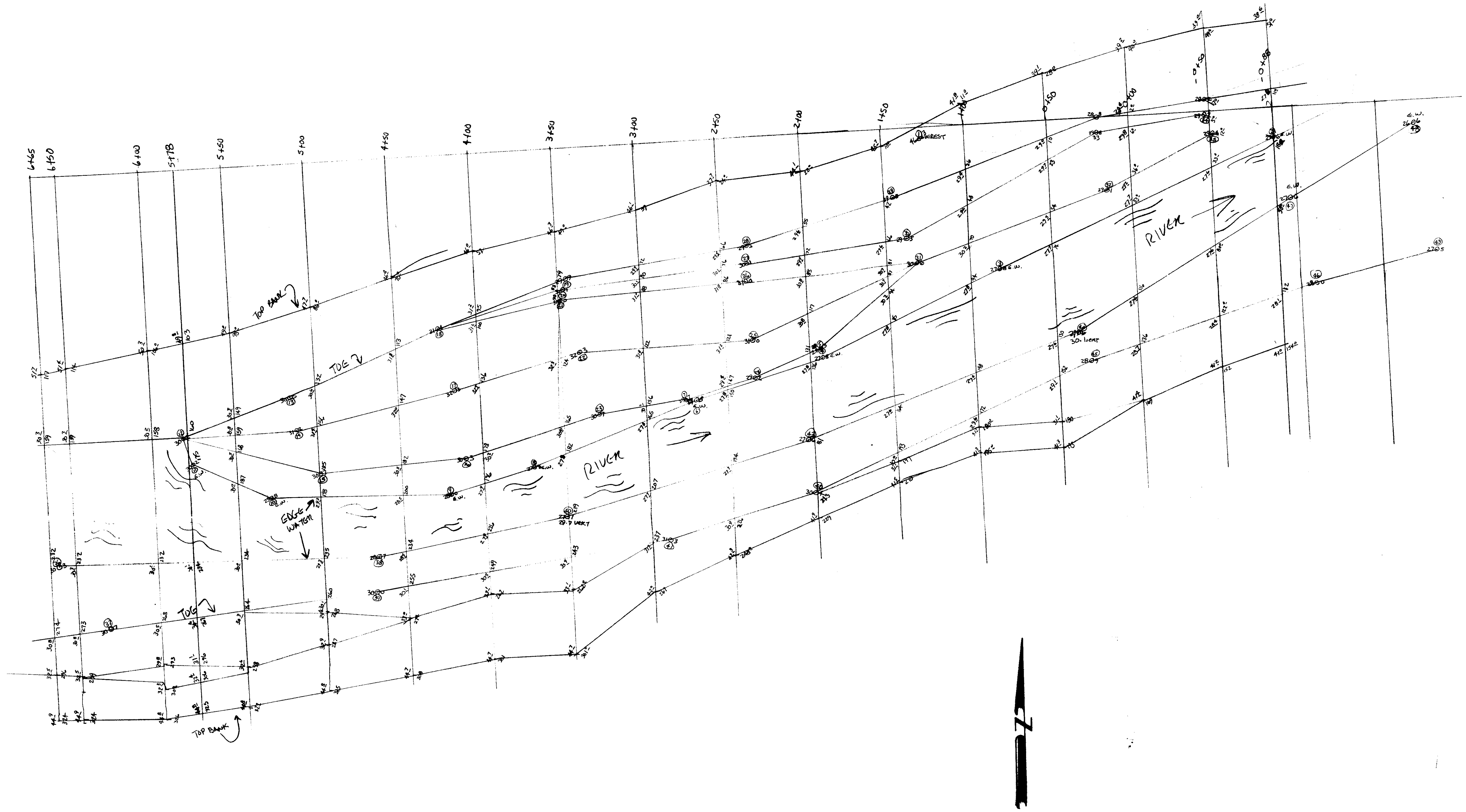
REGISTERED PROFESSIONAL LAND SURVEYOR

Gregory T. Blackman
OREGON
 JULY 13, 1967
 GREGORY T. BLACKMAN
 991

BAGETT - GRIFFITH & ASSOCIATES
 La Grande, Oregon

Location of baselines for gravel bar topographic survey in the Southwest quarter of Section 34 and the Southeast quarter of Section 33, Township 2 South, Range 38 East of the Willamette Meridian UNION COUNTY, OREGON

SURVEYED FOR	R. D. Mac, Inc.	
SURVEYED BY	G. T. B.	7-31-86
Scale: 1" = 200'	Drawn by: R. G. R.	8-2-86

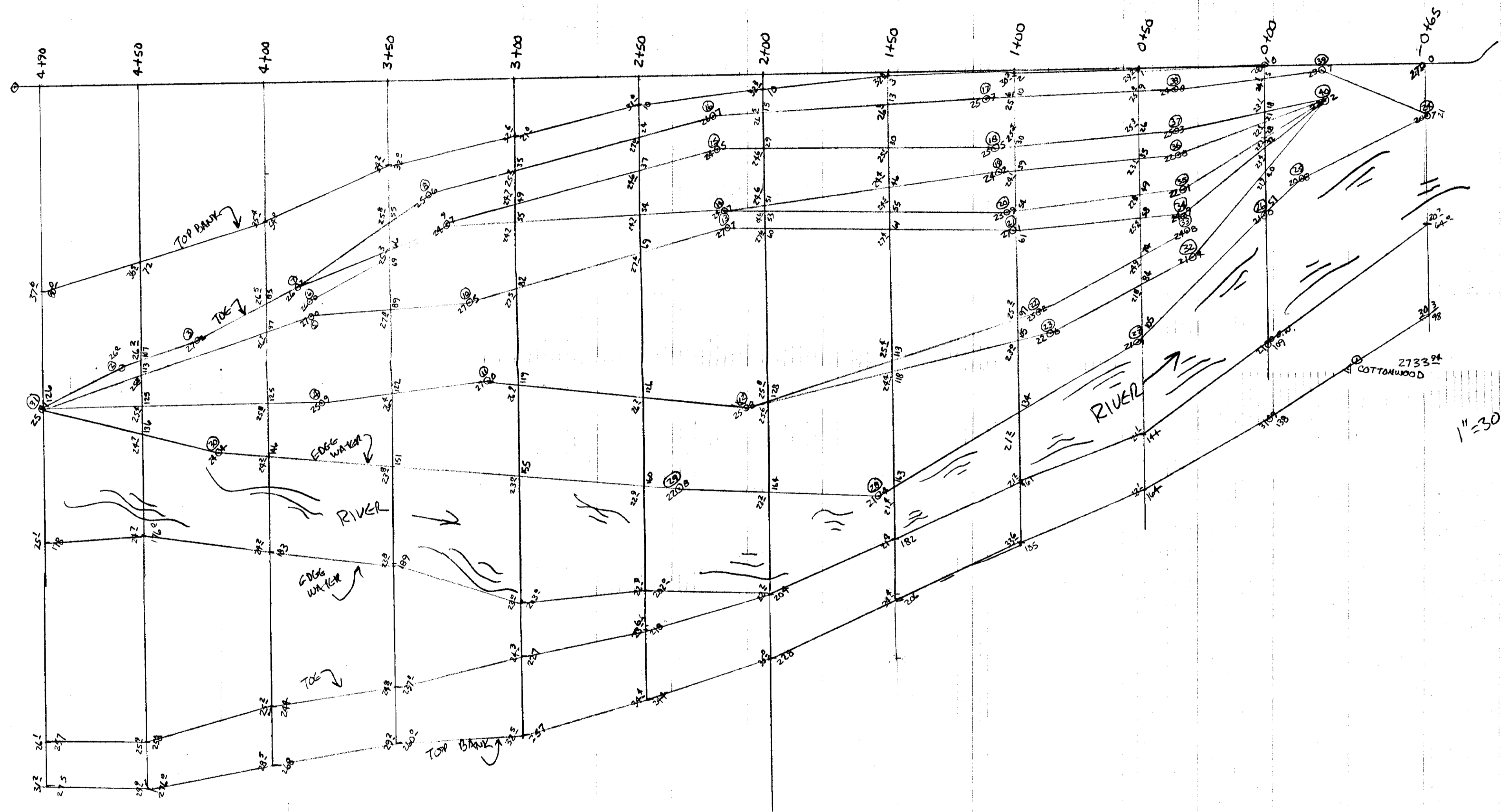


BAR #3
7-31-86
1"=30'

BAGETT, GRIFFITH & ASSOCIATES La Grande, Oregon		
BAR #3 TOP SHEET		
UNION COUNTY, OREGON		
SURVEYED FOR	R.D. Mac, Inc.	
SURVEYED BY	GTB	7-31-86
Scale: 1" = 30'	Drawn by: RGR	8-1-86

REGISTERED
PROFESSIONAL
LAND SURVEYOR
Gregory T. Blakman
OREGON
2017 01 08
GREGORY T. BLAKMAN
381

UNION COUNTY
SURVEYOR
Date Received 8-19-86
Date Filed 9-19-86
By _____
File No. NARRATIVE 1/8
See Survey 26-86



1"=30'



BAGETT, GRIFFITH & ASSOCIATES La Grande, Oregon		
BAR #1 TOPO SHEET		
UNION COUNTY, OREGON		
SURVEYED FOR	R. D. MAC, INC.	
SURVEYED BY	GTB	7-31-86
Scale: 1"=30'	Drawn by:	RGR 8-1-86

BAR #1
7-31-86

REGISTERED
PROFESSIONAL
LAND SURVEYOR

Gregory T. Blackman
OREGON
GREGORY T. BLACKMAN

UNION COUNTY SURVEYOR	
Date Received	8-19-86
Date Filed	9-19-86
By	
File No.	NARRATIVE 1/8

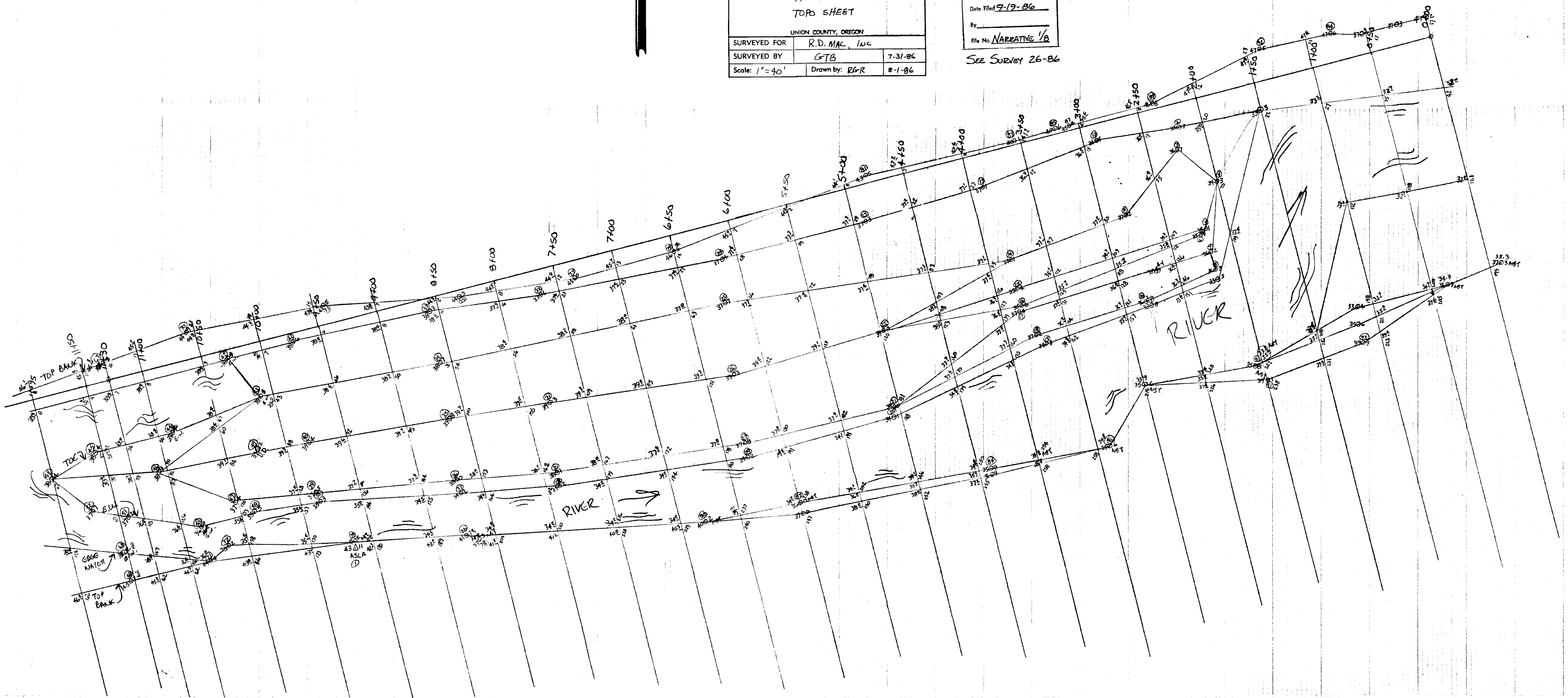
SEE SURVEY 26-86

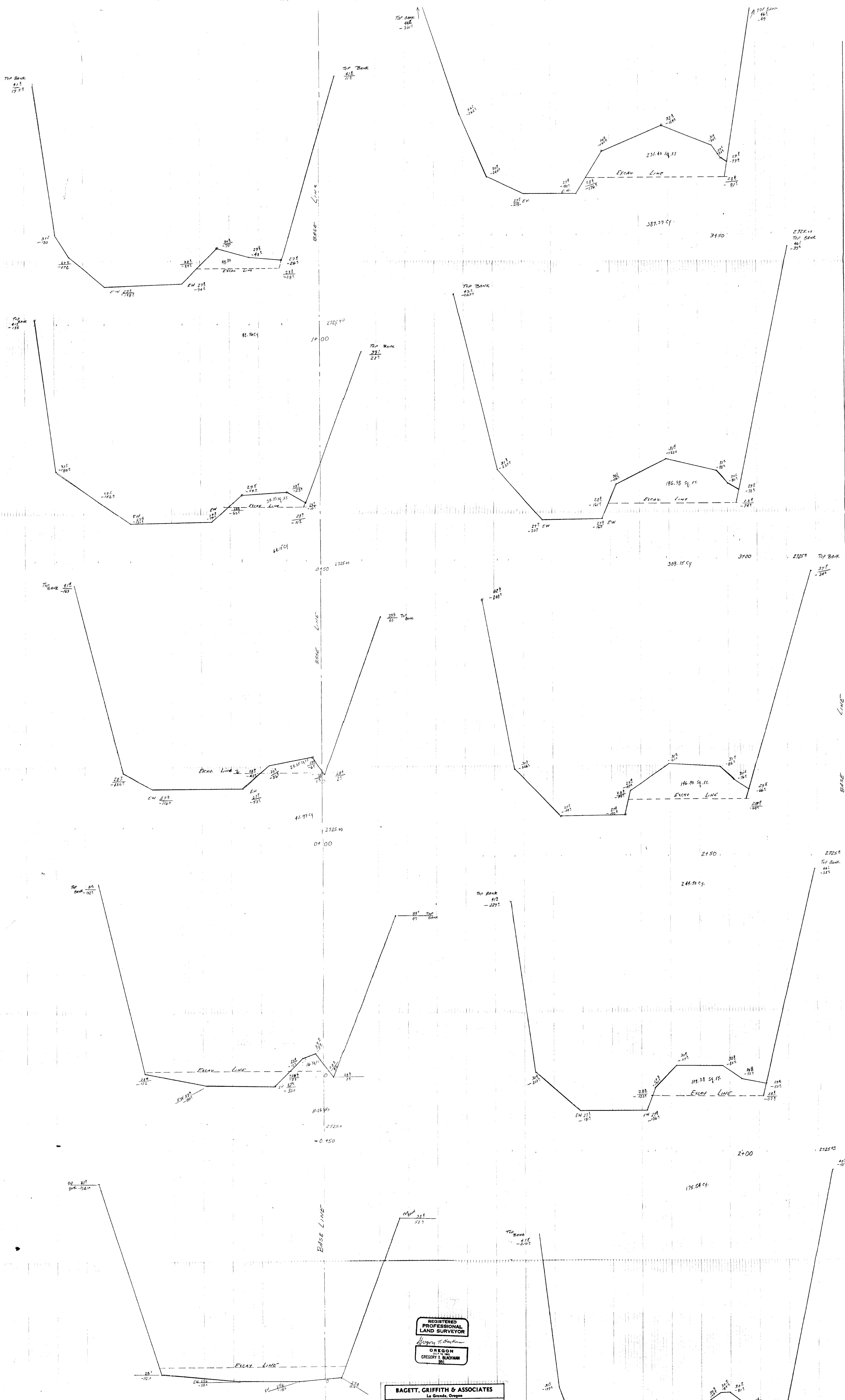
ASLA BAR
7-31-86
1" = 40'

REGISTERED
PROFESSIONAL
LAND SURVEYOR
Gregory T. Blackman
OREGON
GREGORY T. BLACKMAN
591

BACETT, GRIFFITH & ASSOCIATES La Grande, Oregon	
ASLA BAR TOP SHEET	
UNION COUNTY, OREGON	
SURVEYED FOR	R.D. MAC, INC
SURVEYED BY	G-T-B 7-31-86
Scale: 1" = 40'	Drawn by: RGR 8-1-86

UNION COUNTY
SURVEYOR
Date Received 8-19-86
Date Filed 9-19-86
By _____
File No. NARRATIVE 1/8
SEE SURVEY 26-86





PAR # 3
 TOTAL 2358.66 CY

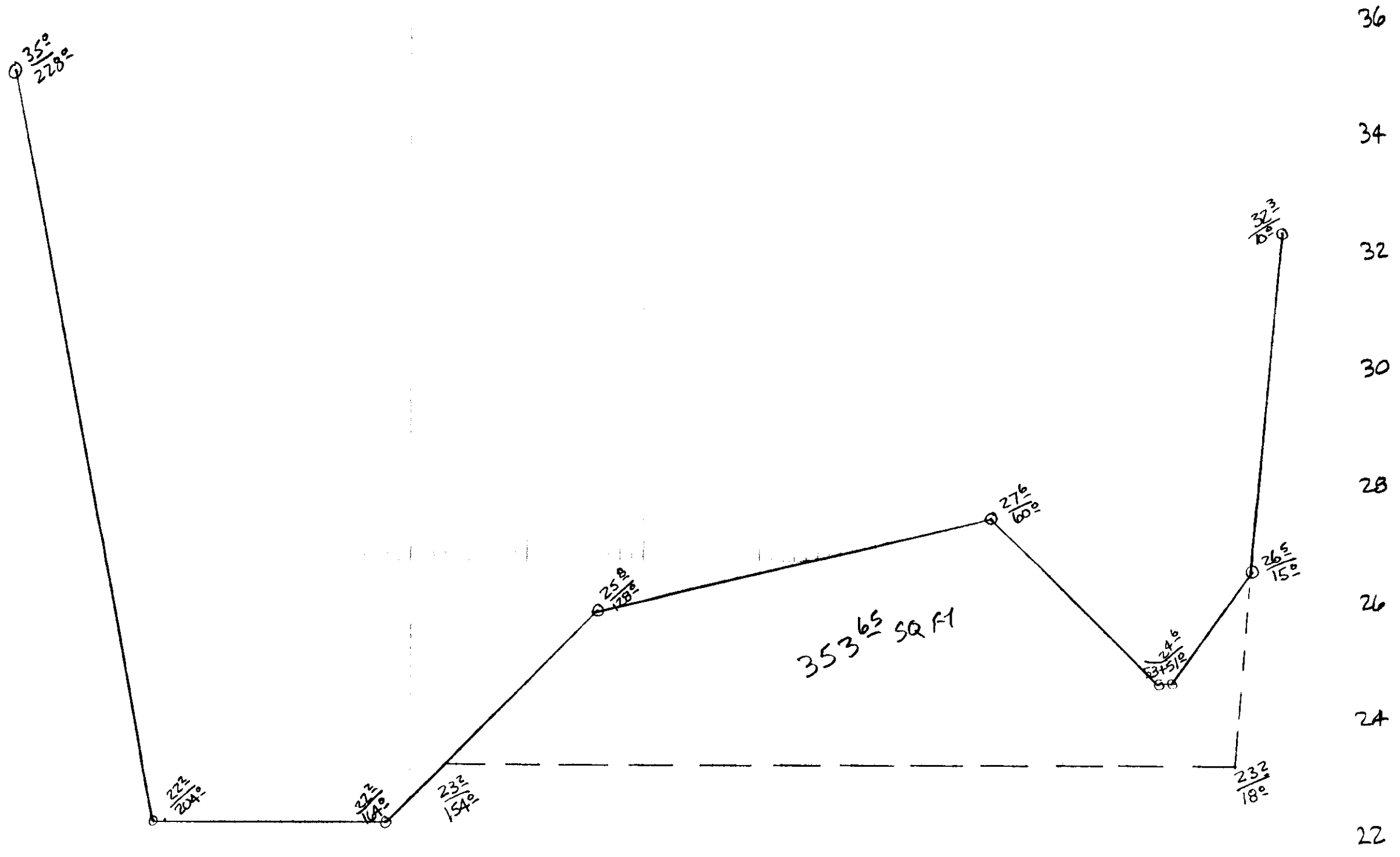
V = 1" = 2'
 H = 1" = 20'

UNION COUNTY
 SURVEYOR
 Date Received 8-19-86
 Date Filed 9-19-86
 By
 File No. 106210-16
 See Survey 26-86

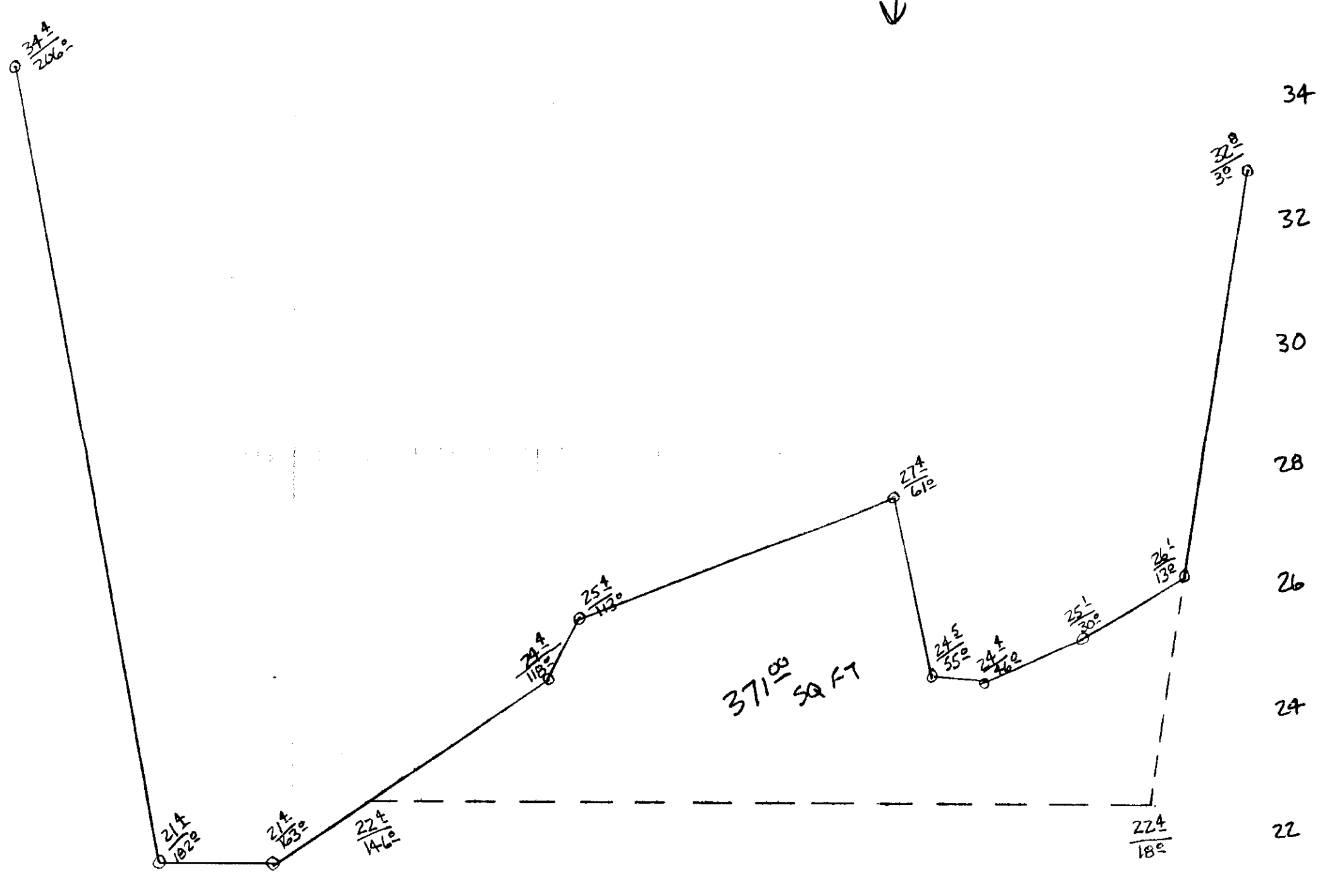
REGISTERED
 PROFESSIONAL
 LAND SURVEYOR
 OREGON
 GREGORY I. BUCHANAN
 91

BAGETT, GRIFFITH & ASSOCIATES
 La Grande, Oregon
 BAR # 3
 EUD ARGAS
 0+00 TO 3+50
 UNION COUNTY, OREGON
 SURVEYED FOR R.D. MAC, JAC.
 SURVEYED BY GIB 7-31-86
 Scale: AS SHOWN Drawn by: GIB 8-2-86

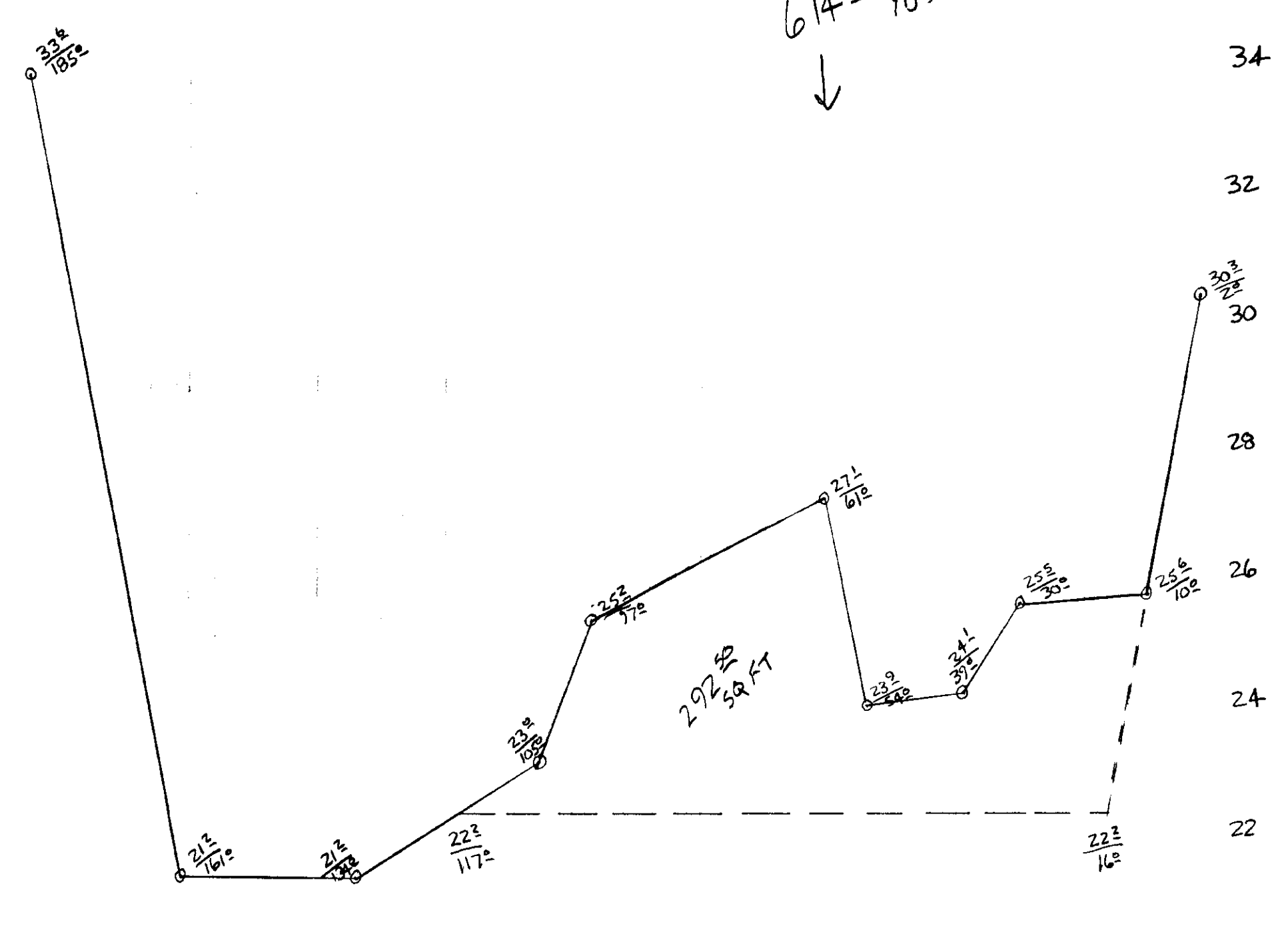
BAR # 3



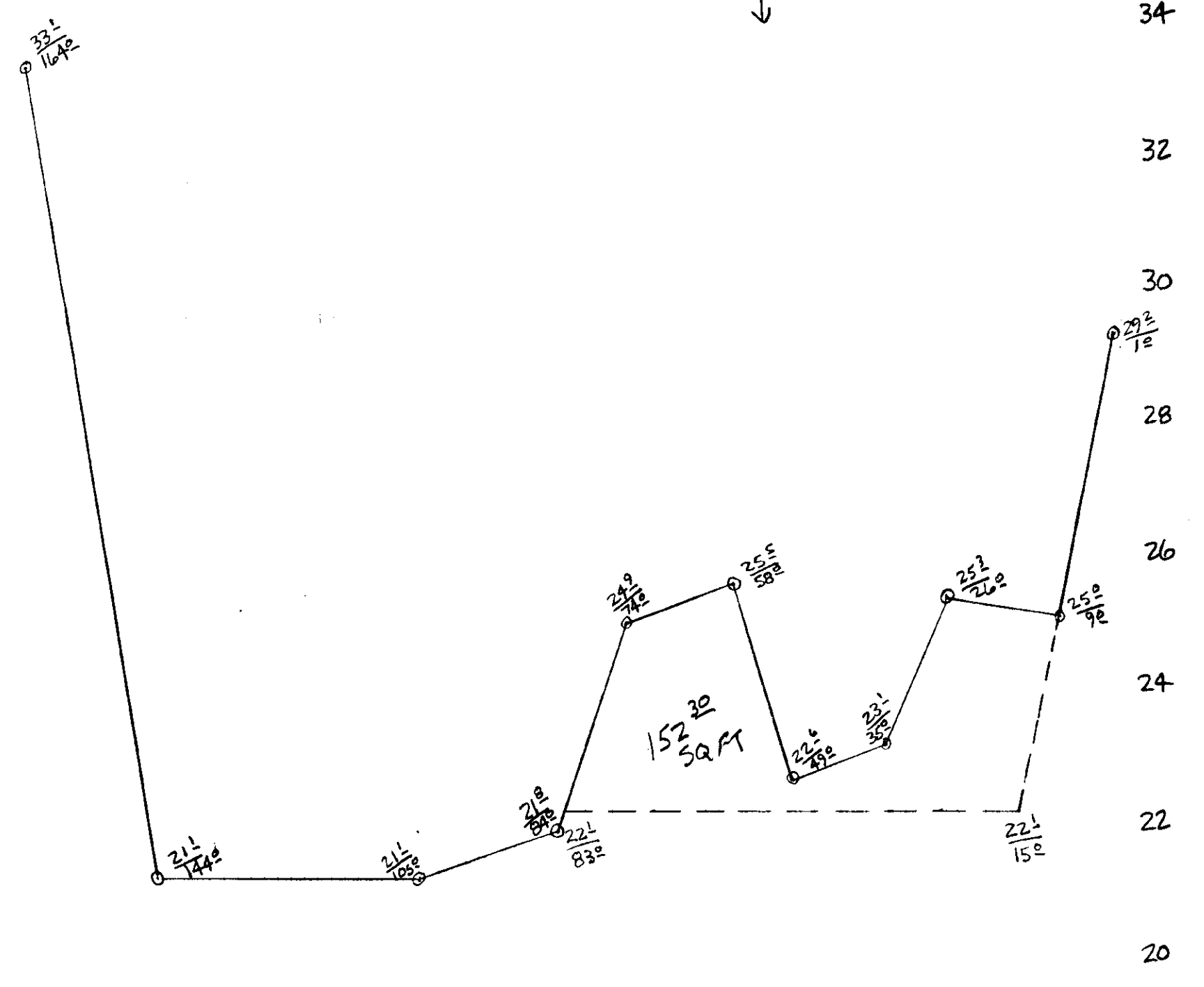
2+00
670.00 YDS



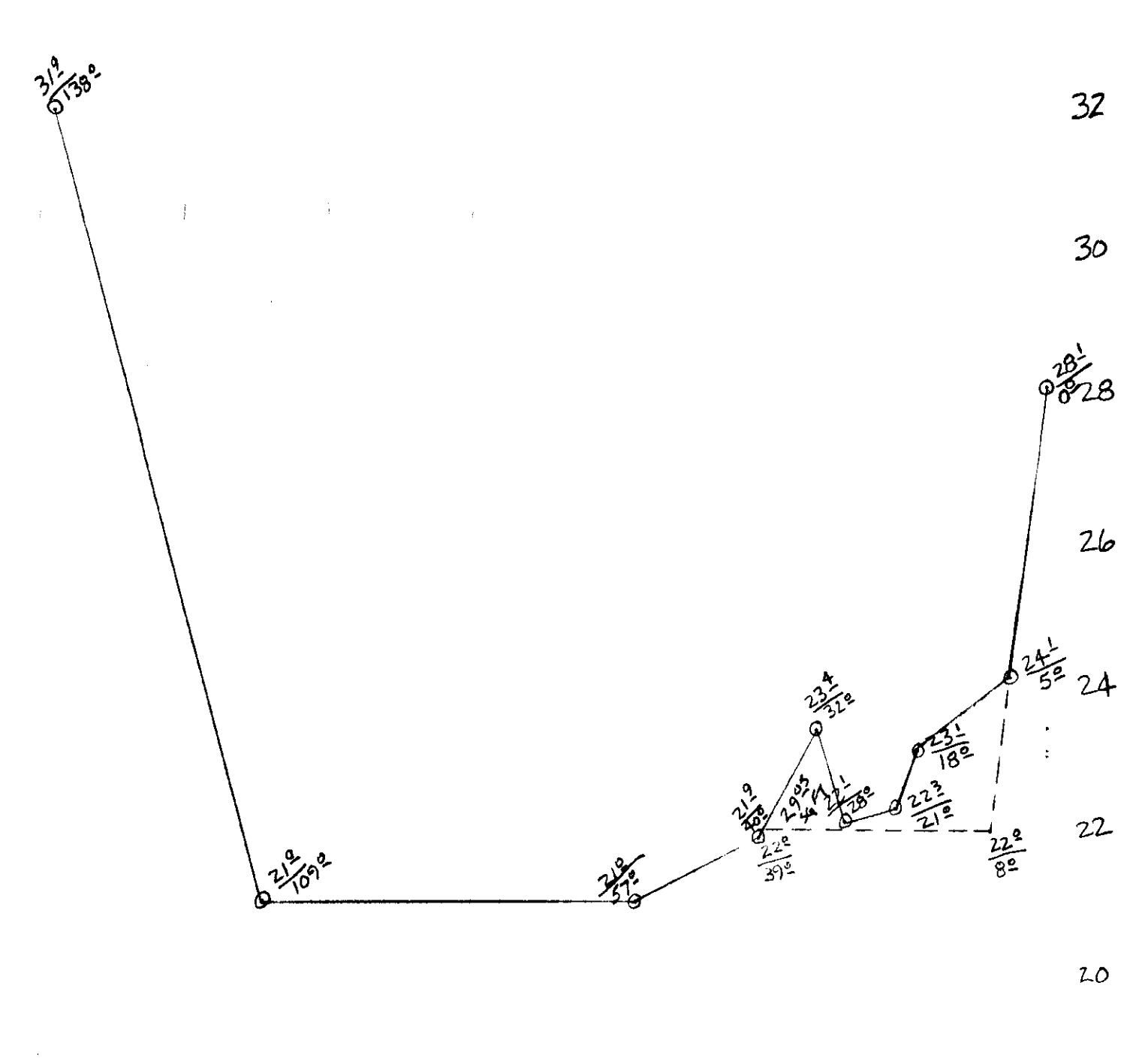
1+50
614.33 YDS



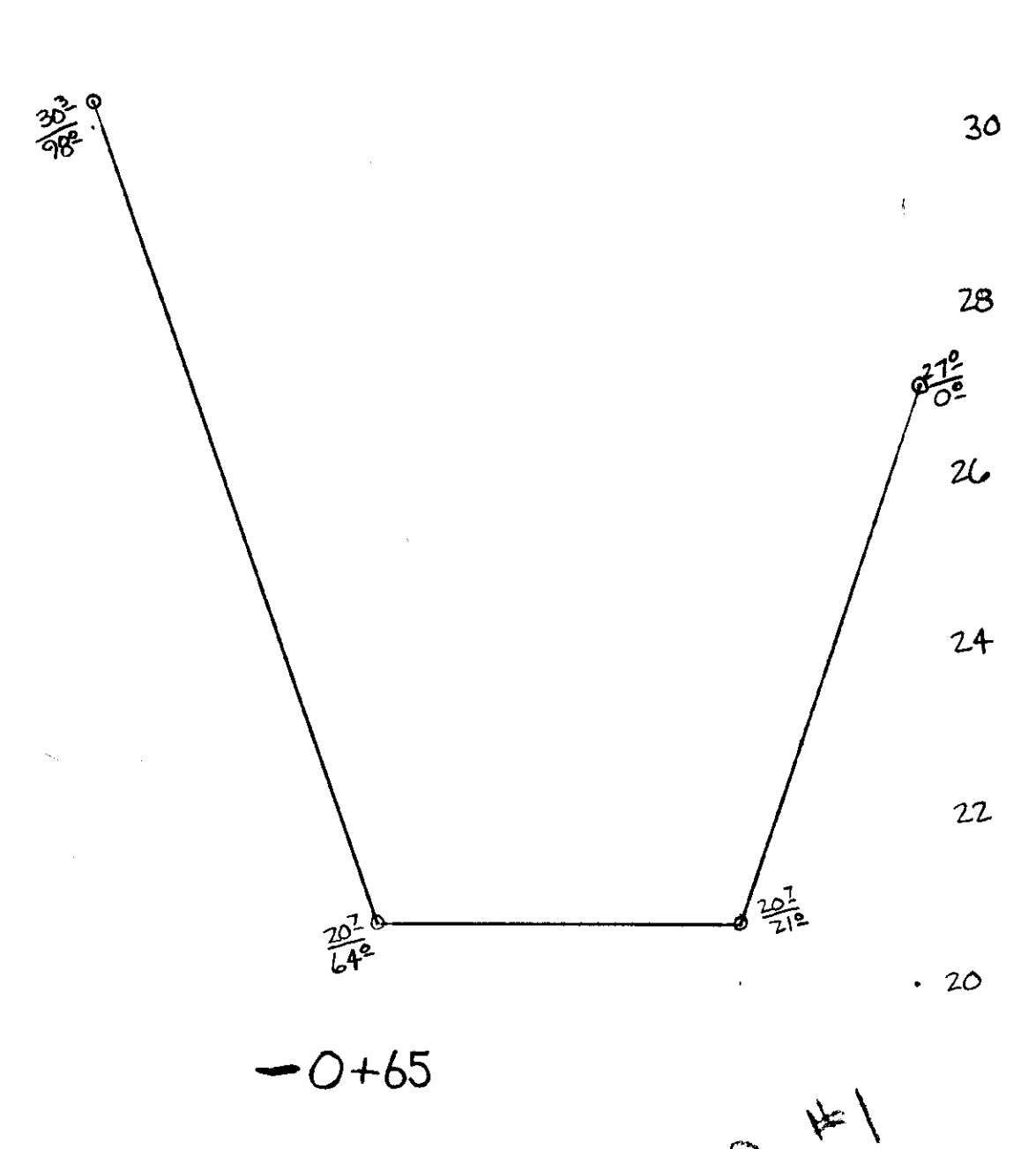
1+00
411.00 YDS



0+50
167.25 YDS

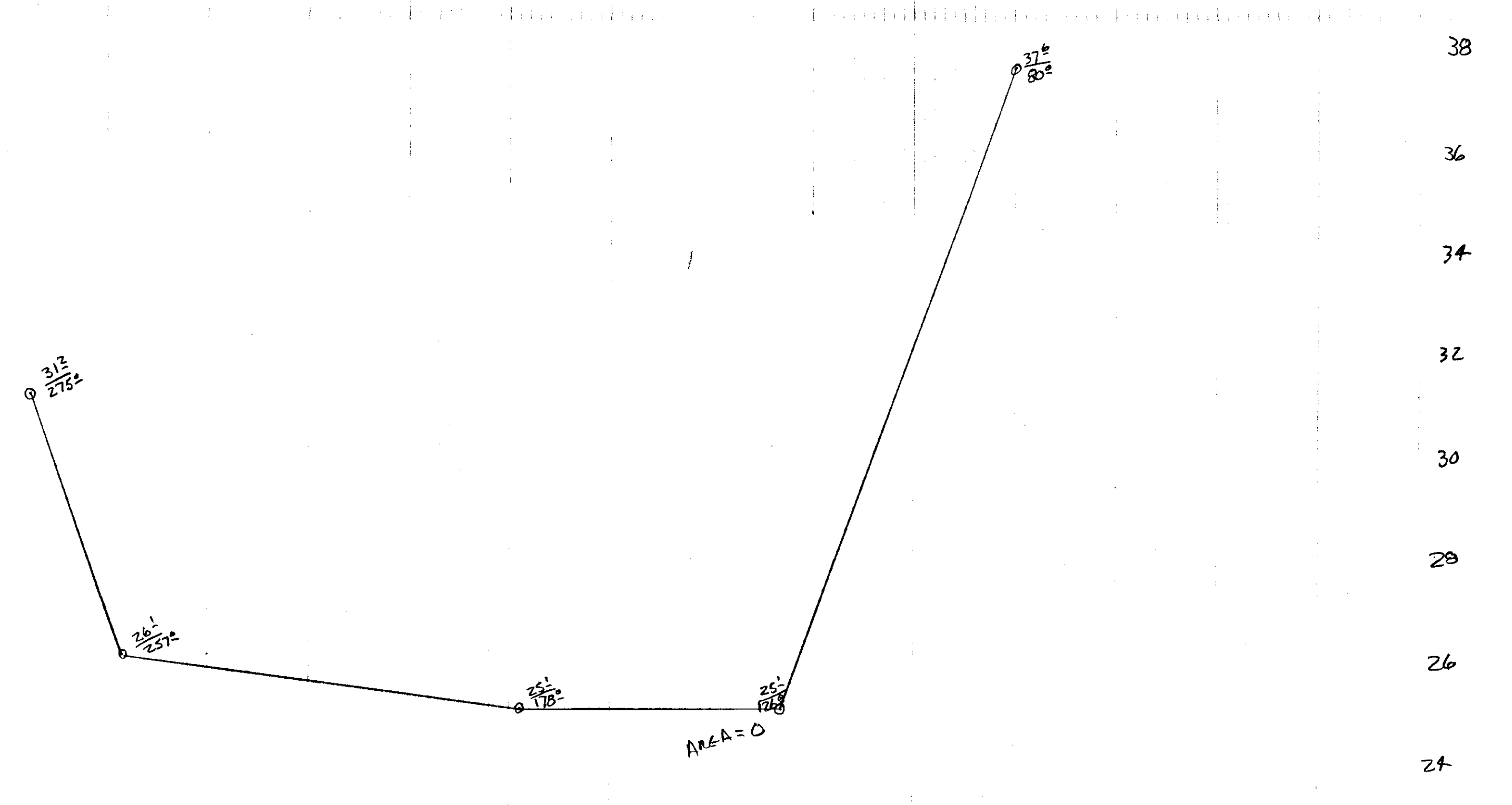


0+00
34.00 YDS

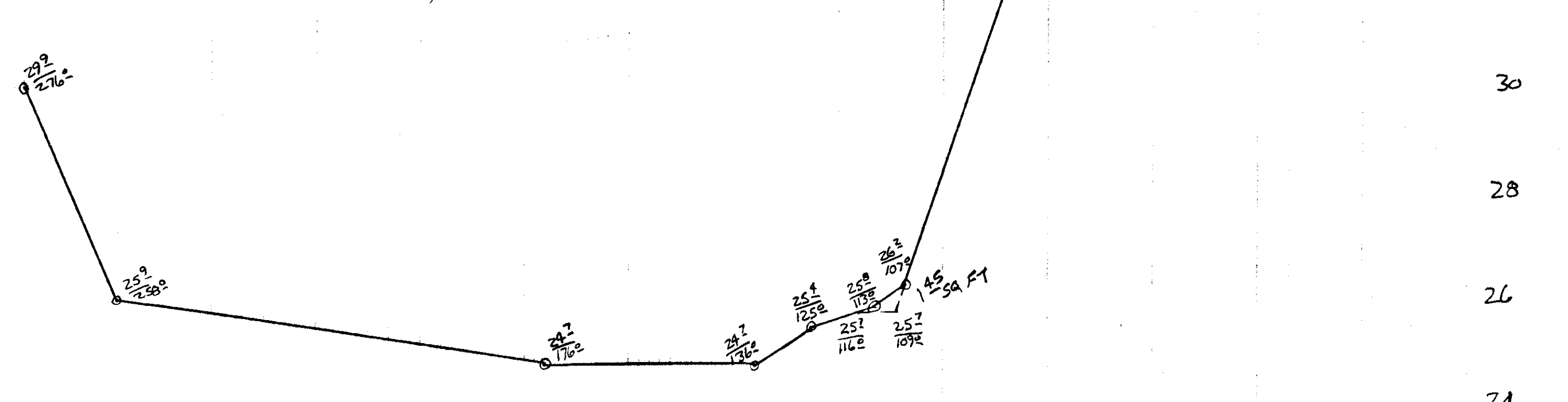


-0+65
34.00 YDS
BAR #1
TOTAL 3452.00 YDS

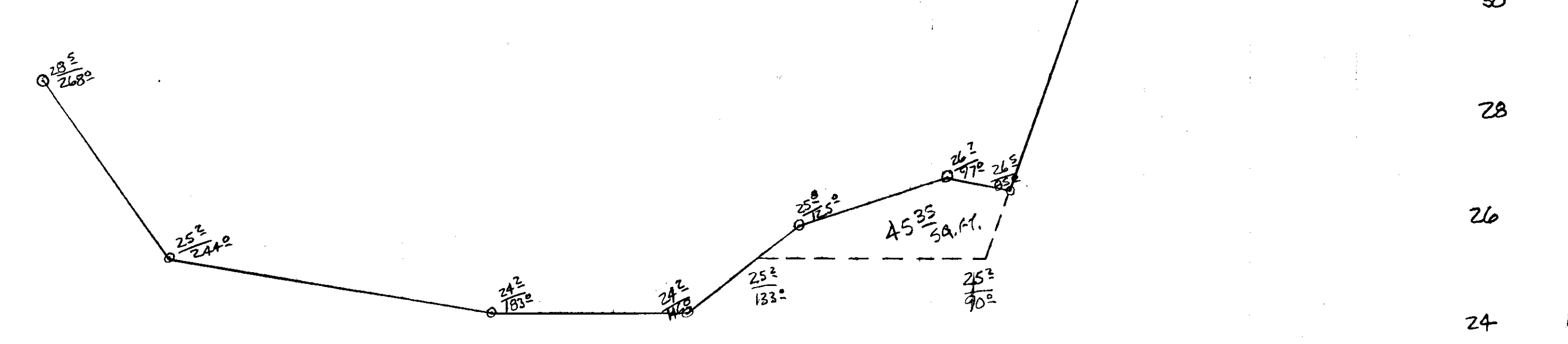
VERTICAL 1"=2'
HORIZONTAL 1"=20'



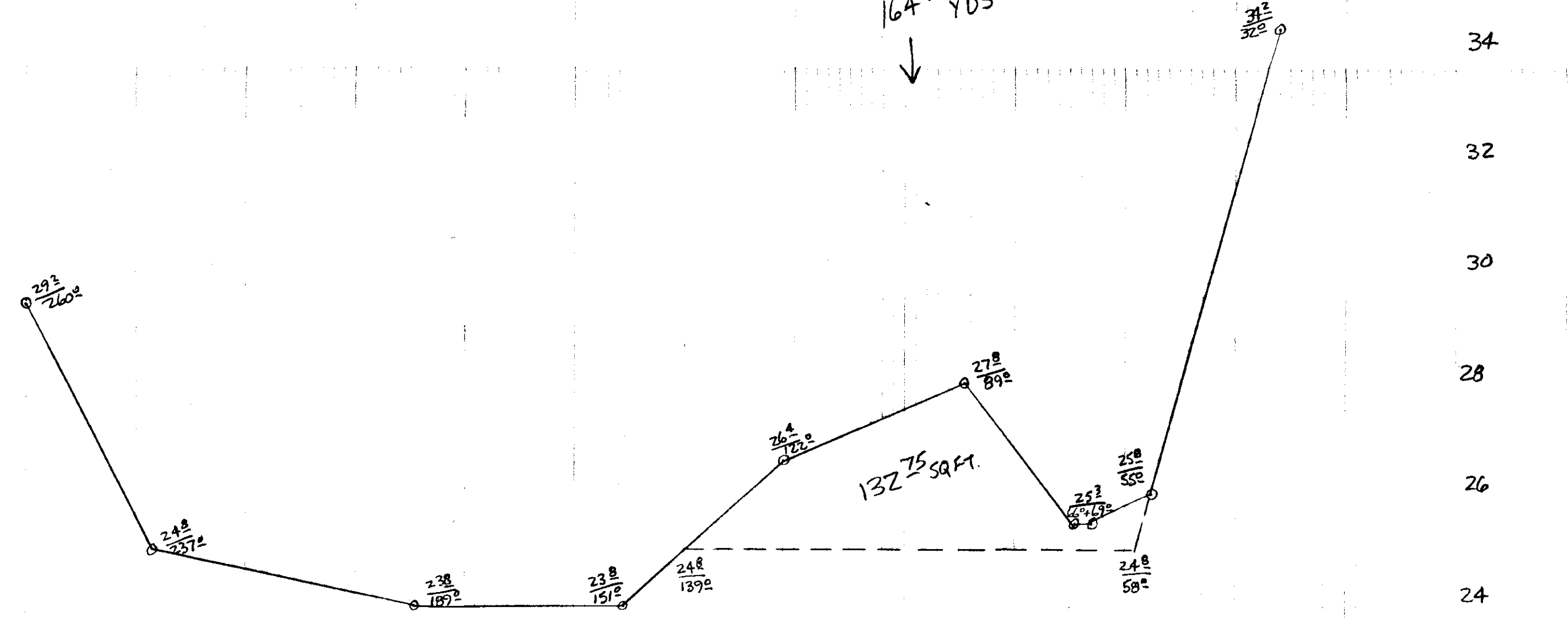
4+90
127.00 YDS



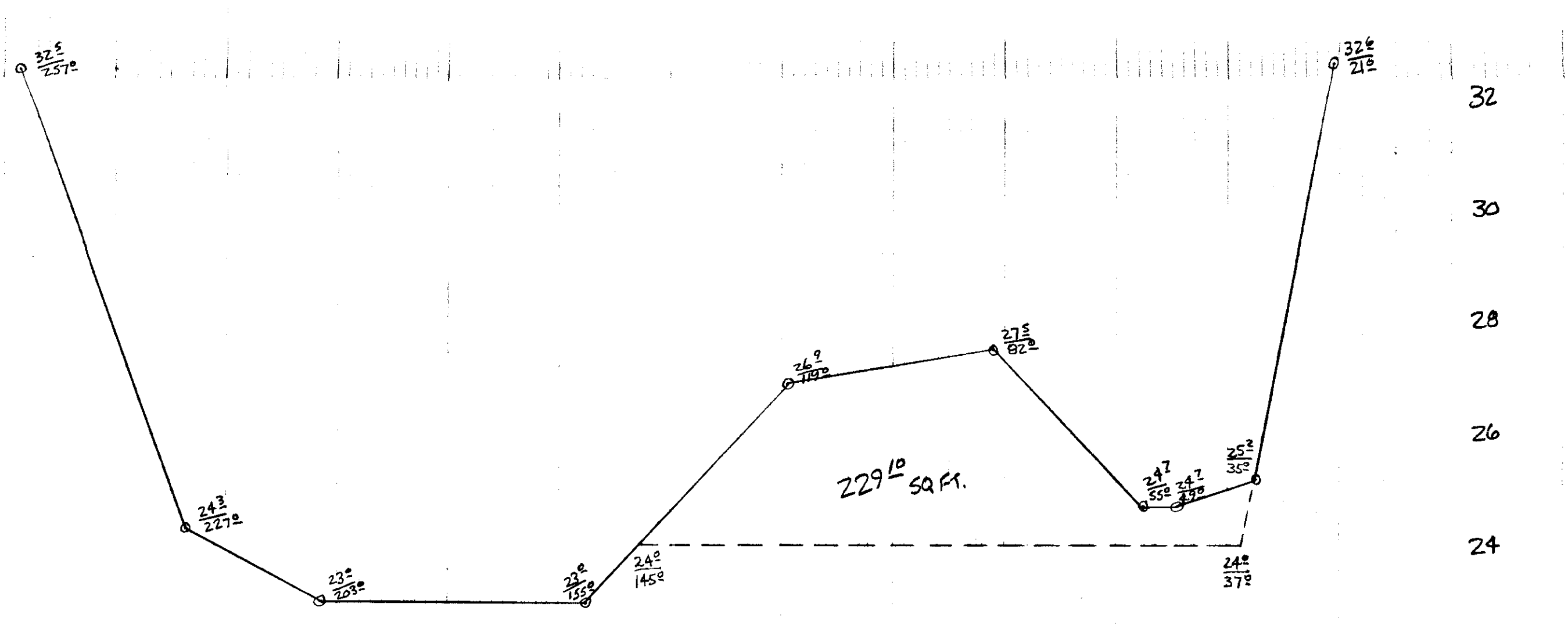
4+50
43.00 YDS



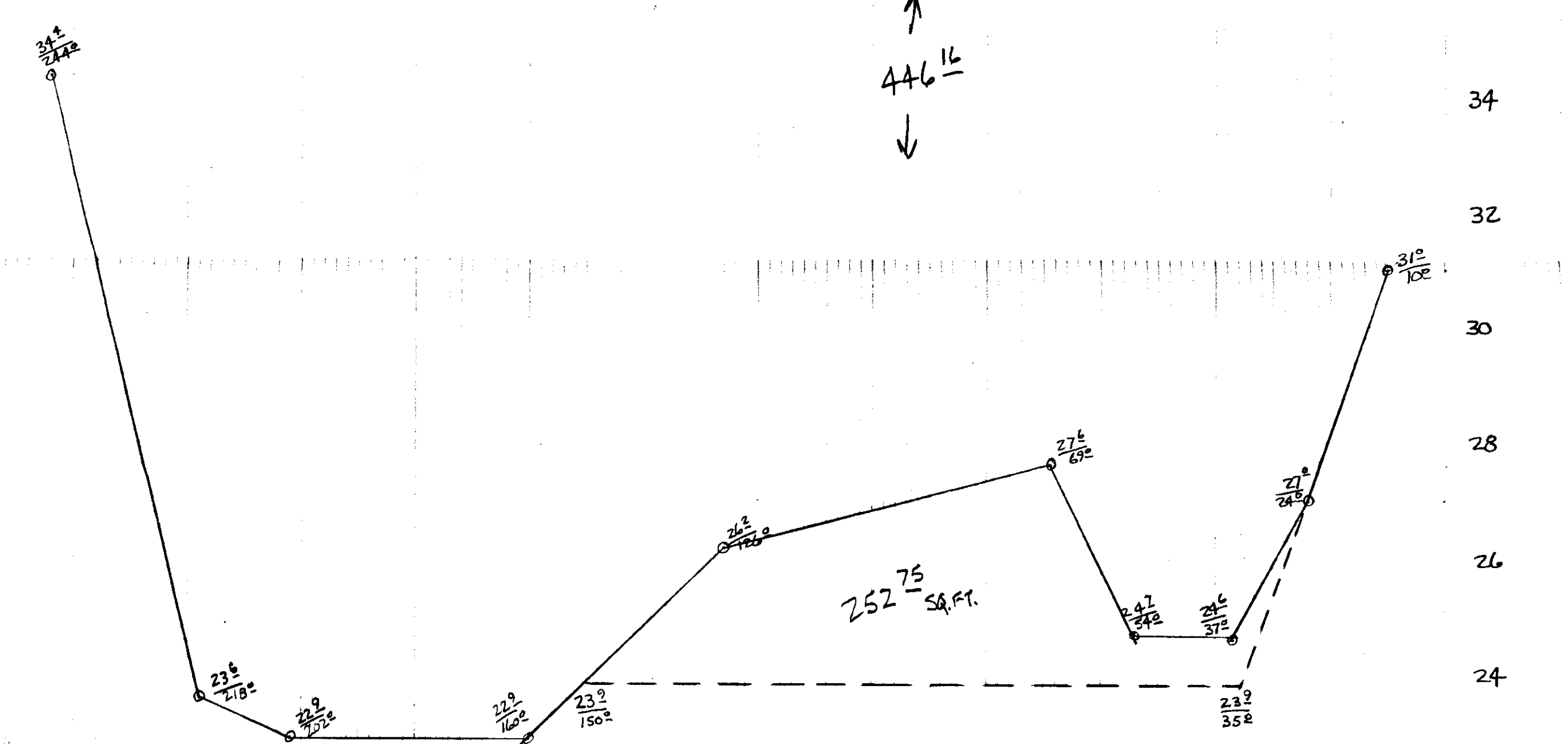
4+00
164.00 YDS



3+50
335.00 YDS



3+00
446.00 YDS

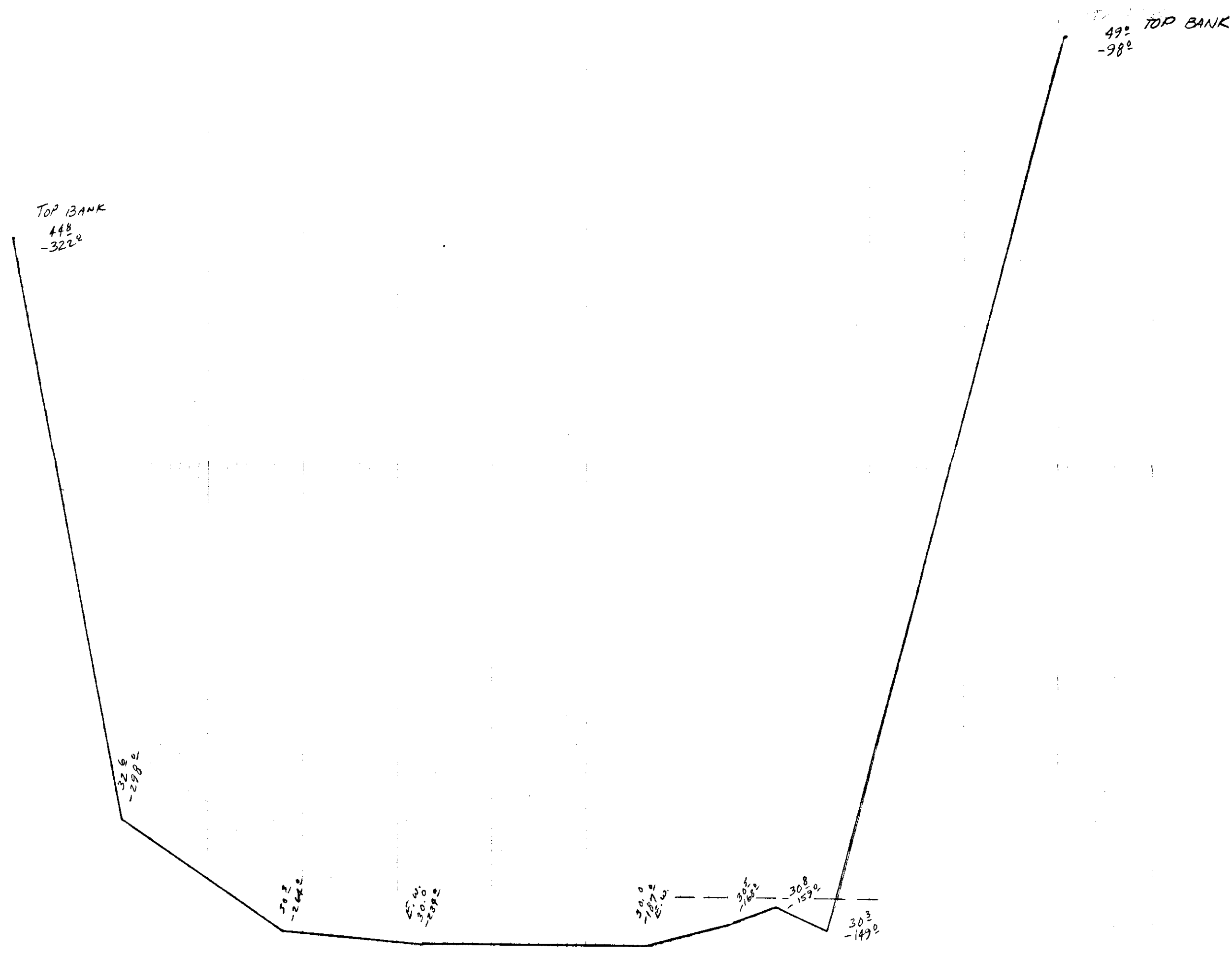


2+50
56.00 YDS

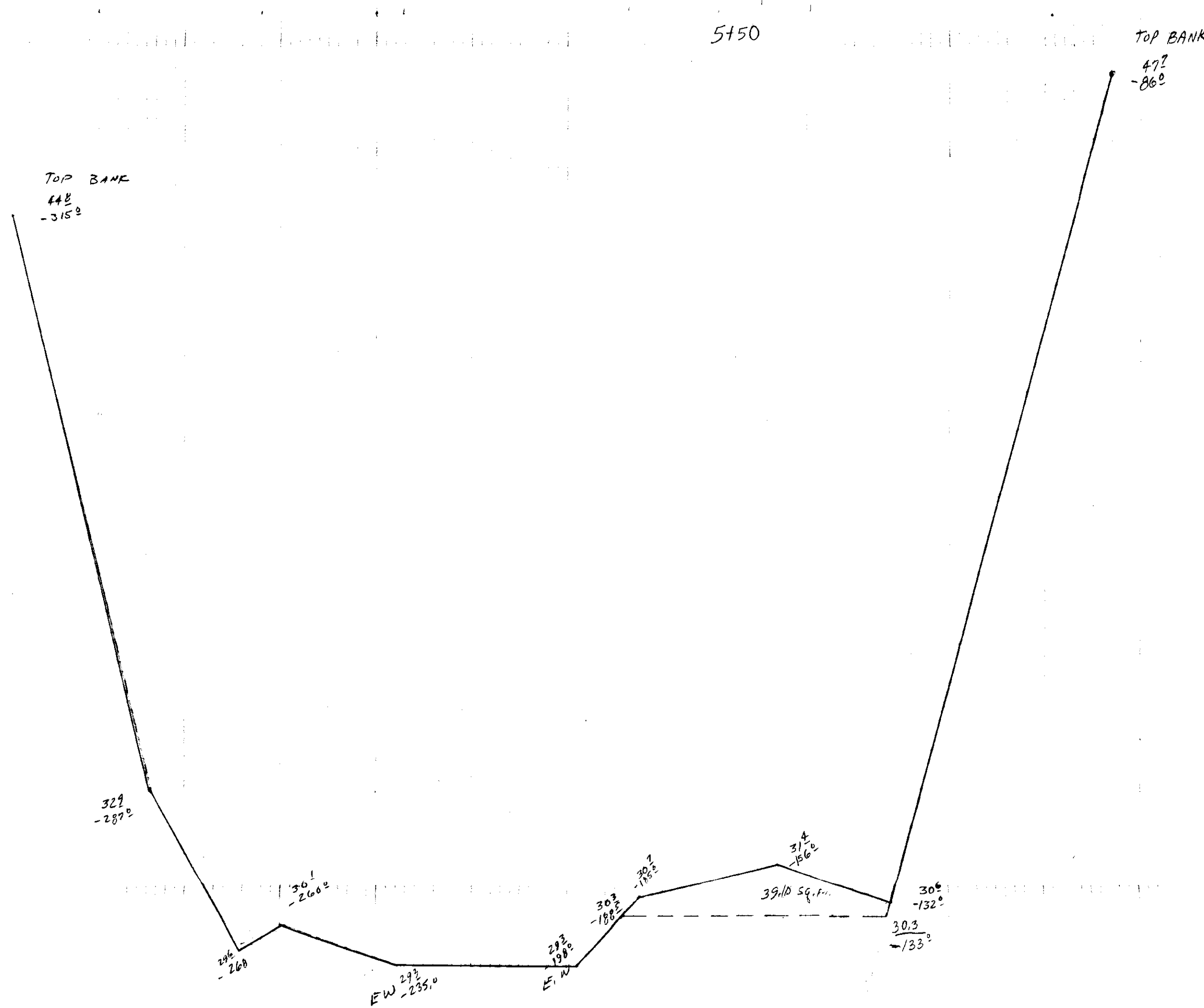
UNION COUNTY SURVEYOR
Date Received 8-19-84
Date Filed 9-18-84
By Gregory R. Blackman
File No. 24842-16
See Survey 26-86

REGISTERED PROFESSIONAL LAND SURVEYOR
GREGORY R. BLACKMAN
OREGON
CITY OF ASTORIA

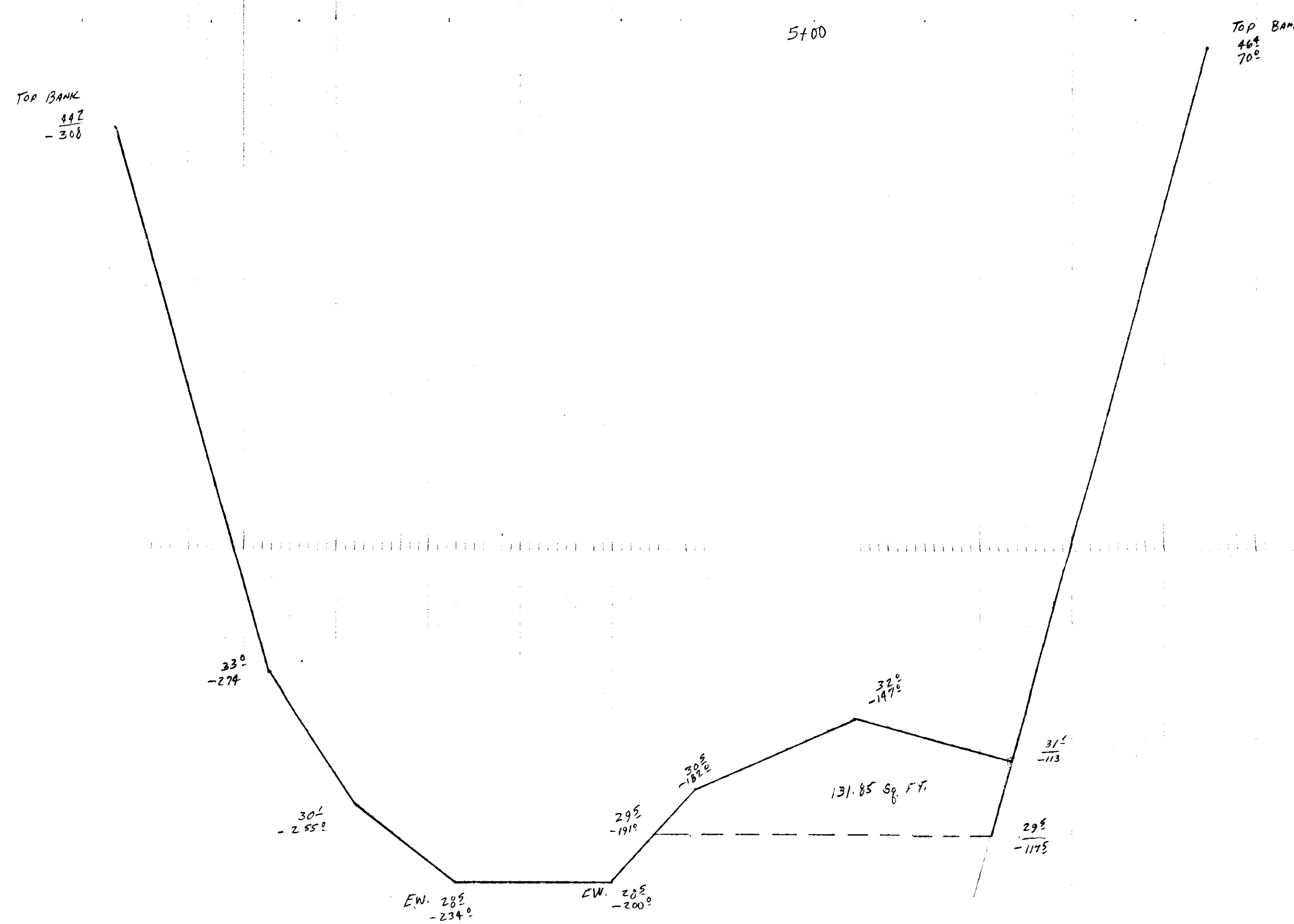
BACETT, GRIFFITH & ASSOCIATES
La Grande, Oregon
BAR #1
END AREAS
UNION COUNTY, OREGON
SURVEYED FOR R.D. Mac, Inc. 7-31-84
SURVEYED BY C.T.B.
Scale: As Shown | Drawn by: RGR 8-2-84



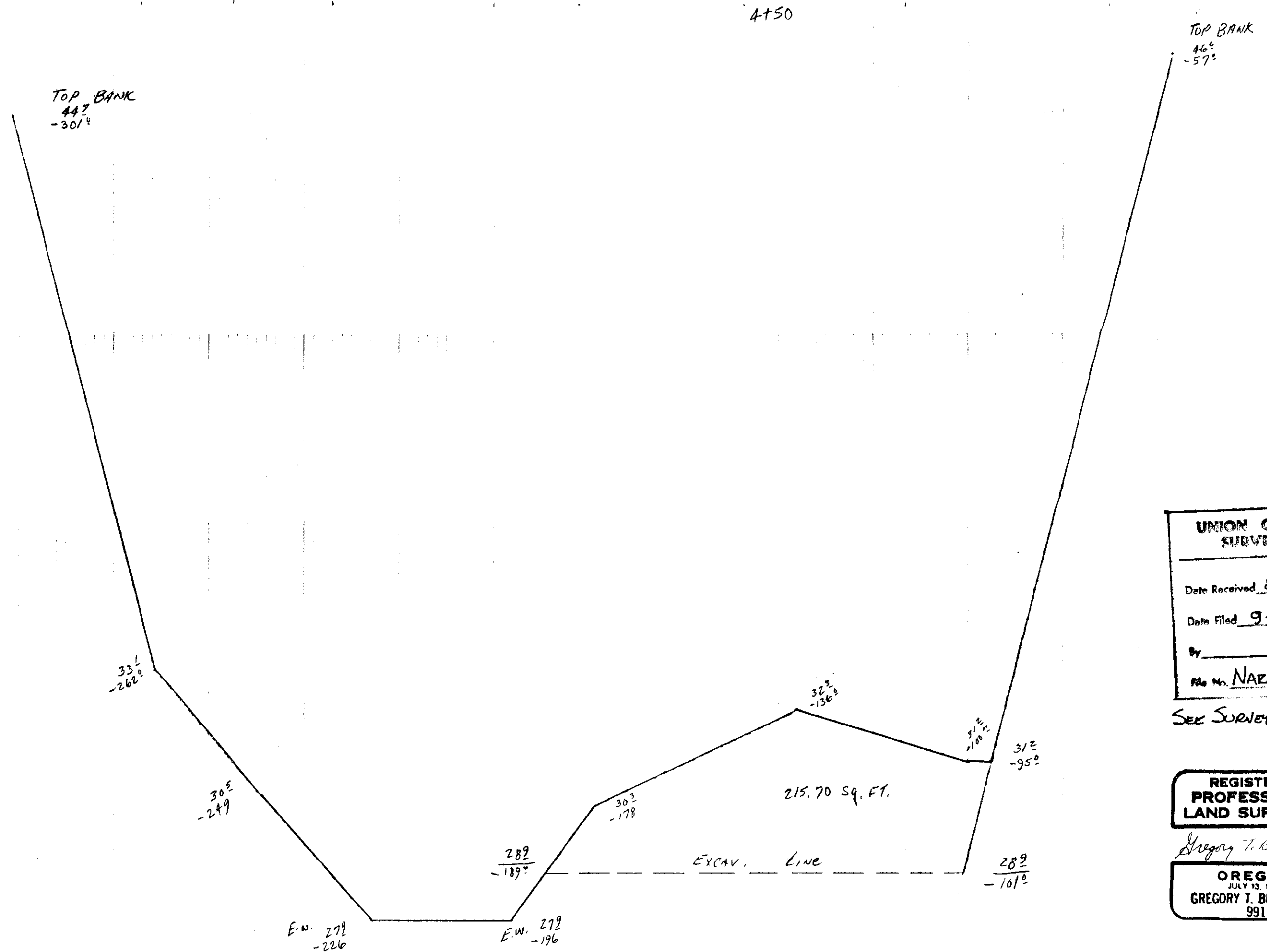
36.2009



158.2909



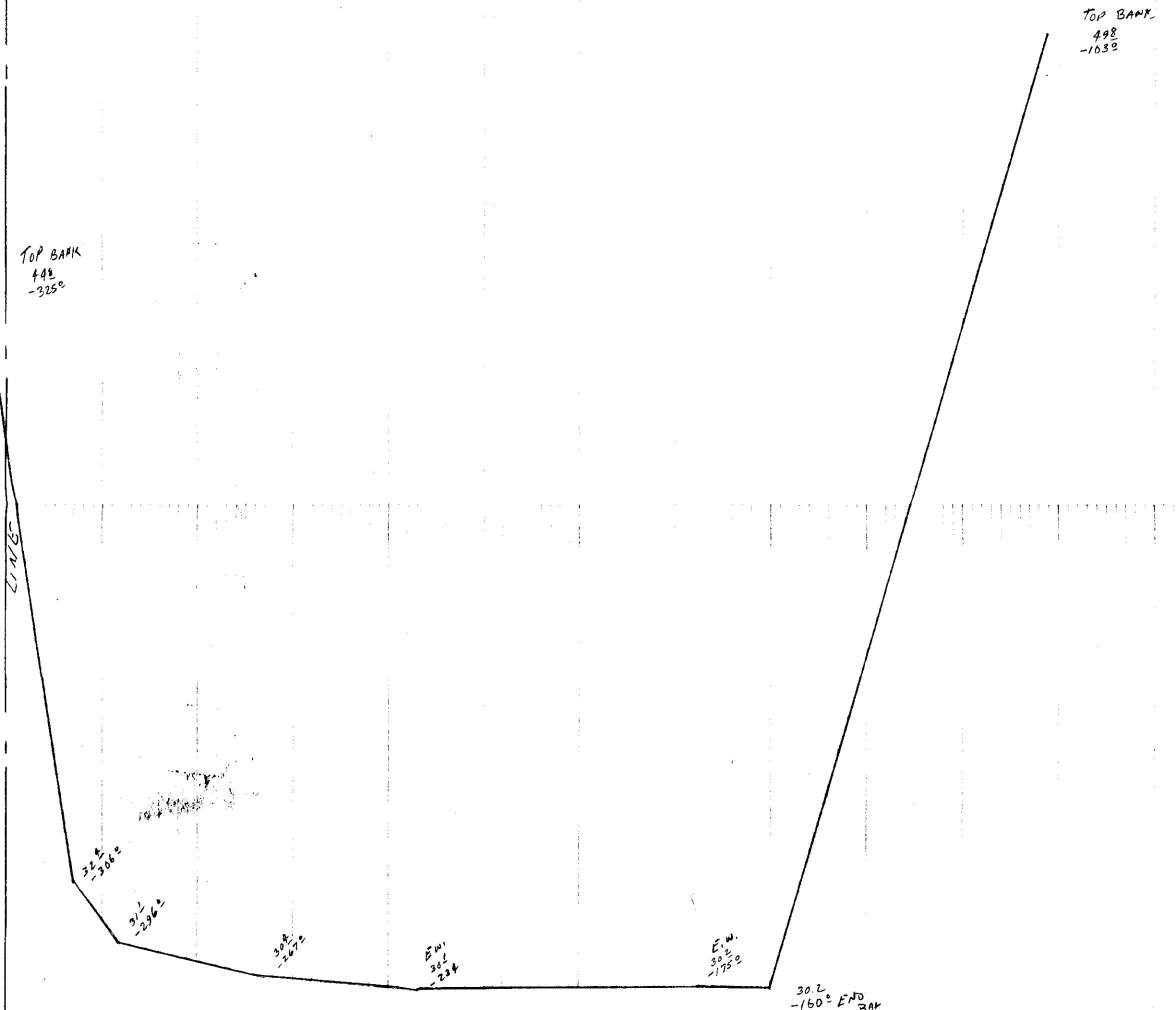
321.3109



413.9809

UNION COUNTY
SURVEYOR
Date Surveyed 8-19-86
Date Filed 9-19-86
By Mr. NABER
Sec. Subdiv. 26-86

REGISTERED
PROFESSIONAL
LAND SURVEYOR
GREGORY I. BUDMAN
991



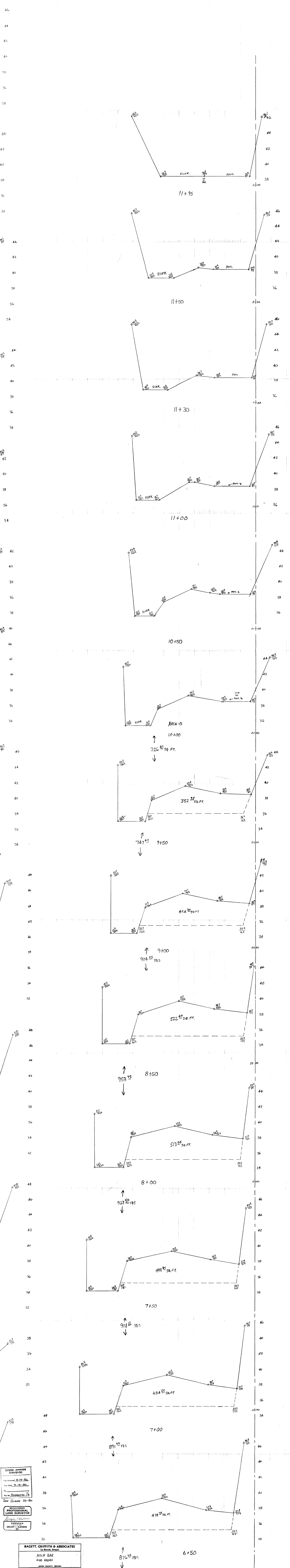
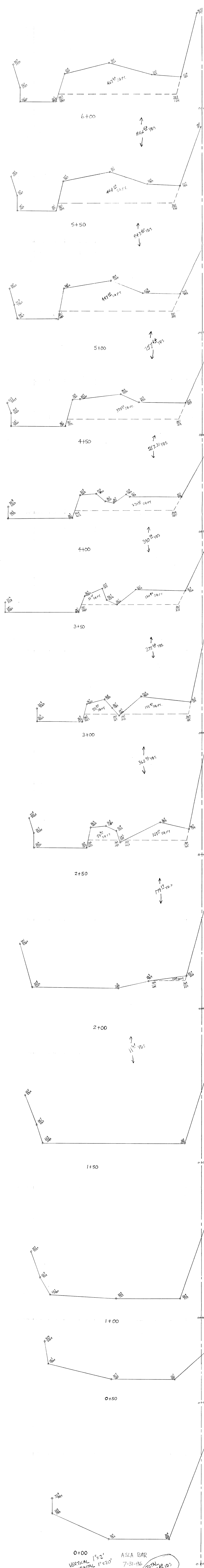
BAGETT, GRIFFITH & ASSOCIATES
La Grande, Oregon
BAR #5
EUB AREAS
4400 TO 5478
UNION COUNTY, OREGON
SURVEYED FOR R.D. Mac, INC.
SURVEYED BY GTS T-3186
Scale: AS SHOWN Drawn by: GTS 8-2-86

4400

BAR #3

5178

2725.0



UPON COUNTY SURVEYOR
 THE PROPERTY OF
 THE STATE OF OREGON
 THE COUNTY OF CLATSOP
 THE TOWN OF NACOMA
 THE SECTION 26-86
 SEE SYSTEM 26-86

BAGGETT, GRIFFITH & ASSOCIATES
 AS/LA BAR AND AREAS
 UPON COUNTY SURVEYOR
 SURVEYED FOR R.D. WALKER, Inc.
 DRAWN BY S.E.
 SCALE AS SHOWN DIMENSIONS IN FEET

0+00 VERTICAL 1"=2' AS/LA BAR 7-31-86
 HORIZONTAL 1"=20' TOTAL DATE 8-2-86

BANK TO BANK
STATIONED X-SECTIONS
BAR #3
7-31-86

SAME STATIONING AS 85 MEASURE

2351.66 CY.

UNION COUNTY
SURVEYOR

Date Received 8-19-86

Date Filed 9-19-86

By _____

File No.

NARRATIVE 1/8

SEE SURVEY 26-86

0+00

$$\begin{array}{r} 41^{\circ} \quad 28^{\circ} \quad 27^{\circ} \quad 27^{\circ} \quad 29^{\circ} \quad 29^{\circ} \\ -169^{\circ} \quad -136^{\circ} \quad -116^{\circ} \quad -53^{\circ} \quad -36^{\circ} \quad -6^{\circ} \\ \hline \text{E.W.} \quad \text{E.W.} \end{array}$$

$$\begin{array}{r} 2728^{\circ} \\ -42^{\circ} \end{array}$$

$$\begin{array}{r} 0^{\circ} \quad 28^{\circ} \quad 39^{\circ} \\ \hline 2^{\circ} \quad 40^{\circ} \end{array}$$

$$\begin{array}{r} 2728^{\circ} \\ -1^{\circ} \end{array}$$

0+1

-0+50

$$\begin{array}{r} 41^{\circ} \quad 28^{\circ} \quad 27^{\circ} \quad 27^{\circ} \quad 29^{\circ} \quad 29^{\circ} \\ -152^{\circ} \quad -122^{\circ} \quad -80^{\circ} \quad -33^{\circ} \quad -12^{\circ} \quad -5^{\circ} \\ \hline \text{E.W.} \quad \text{E.W.} \end{array}$$

$$\begin{array}{r} 28^{\circ} \\ -23^{\circ} \end{array}$$

$$\begin{array}{r} 0^{\circ} \quad 28^{\circ} \quad 39^{\circ} \\ \hline 7^{\circ} \quad 49^{\circ} \end{array}$$

$$\begin{array}{r} 28^{\circ} \\ -4^{\circ} \end{array}$$

-0+88

$$\begin{array}{r} 41^{\circ} \quad 28^{\circ} \quad 27^{\circ} \quad 27^{\circ} \\ -154^{\circ} \quad -112^{\circ} \quad -58^{\circ} \quad -18^{\circ} \\ \hline \text{E.W.} \quad \text{E.W.} \end{array}$$

$$\begin{array}{r} 0^{\circ} \quad 27^{\circ} \quad 38^{\circ} \\ \hline 11^{\circ} \quad 51^{\circ} \end{array}$$

1+50

$$\begin{array}{r}
 4^{\frac{1}{2}} \quad 31^{\frac{1}{2}} \quad 30^{\circ} \quad 27^{\circ} \quad 27^{\circ} \quad 30^{\circ} \quad 30^{\circ} \quad 30^{\circ} \quad 29^{\circ} \quad 29^{\circ} \quad 45^{\circ} \\
 -210^{\circ} -197^{\circ} -193^{\circ} \quad -114^{\circ} -115^{\circ} -94^{\circ} -87^{\circ} -81^{\circ} -66^{\circ} \quad 42^{\circ} -10^{\circ} \\
 \hline
 \text{E.W. E.W.} \\
 \hline
 2728^{\circ} \quad 2728^{\circ} \\
 -106^{\circ} \quad -44^{\circ}
 \end{array}$$

1+00

$$\begin{array}{r}
 41^{\frac{3}{4}} \quad 31^{\frac{1}{2}} \quad 29^{\circ} \quad 27^{\circ} \quad 27^{\circ} \quad 30^{\circ} \quad 29^{\circ} \quad 29^{\circ} \\
 -195^{\circ} -180^{\circ} -172^{\circ} \quad -148^{\circ} -94^{\circ} \quad -70^{\circ} -48^{\circ} -26^{\circ} \\
 \hline
 \text{G.W. E.W.} \\
 \hline
 2728^{\circ} \quad 2728^{\circ} \\
 -84^{\circ} \quad -28^{\circ}
 \end{array}$$

0+50

$$\begin{array}{r}
 41^{\frac{3}{4}} \quad 31^{\frac{1}{2}} \quad 29^{\circ} \quad 30^{\circ} \quad 27^{\circ} \quad 27^{\circ} \quad 29^{\circ} \quad 29^{\circ} \quad 29^{\circ} \\
 -195^{\circ} -180^{\circ} -152^{\circ} -130^{\circ} \quad -30^{\circ} \quad -74^{\circ} -54^{\circ} -23^{\circ} \quad -70^{\circ} \\
 \hline
 \text{G.W. E.W.} \\
 \hline
 2728^{\circ} \quad 2728^{\circ} \\
 -63^{\circ} \quad -115^{\circ}
 \end{array}$$

0°

0° $\frac{41^{\circ}}{11^{\circ}}$

0° $\frac{39^{\circ}}{28^{\circ}}$

3+00

$$\begin{array}{r}
 \frac{43^{\circ}}{267^{\circ}} \quad \frac{31^{\circ}}{237^{\circ}} \quad \frac{27^{\circ}}{207^{\circ}} \quad \frac{27^{\circ}}{165^{\circ}} \quad \frac{30^{\circ}}{156^{\circ}} \quad \frac{31^{\circ}}{122^{\circ}} \quad \frac{31^{\circ}}{88^{\circ}} \quad \frac{30^{\circ}}{80^{\circ}} \quad \frac{29^{\circ}}{72^{\circ}} \quad \frac{46^{\circ}}{39^{\circ}} \\
 \text{E.W.} \quad \text{E.W.} \\
 \hline
 2728^{\circ} \\
 - 115^{\circ} \\
 \hline
 1613^{\circ}
 \end{array}$$

0°

2+50

$$\begin{array}{r}
 \frac{42^{\circ}}{248^{\circ}} \quad \frac{30^{\circ}}{226^{\circ}} \quad \frac{27^{\circ}}{194^{\circ}} \quad \frac{27^{\circ}}{150^{\circ}} \quad \frac{29^{\circ}}{147^{\circ}} \quad \frac{31^{\circ}}{121^{\circ}} \quad \frac{31^{\circ}}{86^{\circ}} \quad \frac{30^{\circ}}{76^{\circ}} \quad \frac{29^{\circ}}{66^{\circ}} \quad \frac{37^{\circ}}{24^{\circ}} \\
 \text{E.W.} \quad \text{E.W.} \\
 \hline
 2728^{\circ} \\
 - 129^{\circ} \\
 \hline
 1599^{\circ}
 \end{array}$$

0°

2+00

$$\begin{array}{r}
 \frac{41^{\circ}}{229^{\circ}} \quad \frac{30^{\circ}}{213^{\circ}} \quad \frac{27^{\circ}}{181^{\circ}} \quad \frac{27^{\circ}}{136^{\circ}} \quad \frac{29^{\circ}}{131^{\circ}} \quad \frac{30^{\circ}}{117^{\circ}} \quad \frac{30^{\circ}}{85^{\circ}} \quad \frac{29^{\circ}}{72^{\circ}} \quad \frac{29^{\circ}}{55^{\circ}} \quad \frac{44^{\circ}}{22^{\circ}} \\
 \text{E.W.} \quad \text{E.W.} \\
 \hline
 2728^{\circ} \\
 - 133^{\circ} \\
 \hline
 1595^{\circ}
 \end{array}$$

0°

5+78

$\frac{44^{\circ}}{325^{\circ}}$	$\frac{32^{\circ}}{306^{\circ}}$	$\frac{31^{\circ}}{296^{\circ}}$	$\frac{30^{\circ}}{267^{\circ}}$	$\frac{30^{\circ}}{234^{\circ}}$	$\frac{30^{\circ}}{175^{\circ}}$	$\frac{30^{\circ}}{160^{\circ}}$	$\frac{49^{\circ}}{103^{\circ}}$
			E.W.	E.W.	E.W.	E.W.	BAR

0°

5+50

$\frac{44^{\circ}}{322^{\circ}}$	$\frac{32^{\circ}}{298^{\circ}}$	$\frac{30^{\circ}}{264^{\circ}}$	$\frac{30^{\circ}}{234^{\circ}}$	$\frac{30^{\circ}}{187^{\circ}}$	$\frac{30^{\circ}}{168^{\circ}}$	$\frac{30^{\circ}}{159^{\circ}}$	$\frac{49^{\circ}}{149^{\circ}}$	$\frac{98^{\circ}}{98^{\circ}}$
			E.W.	E.W.				

0°

5+00

$\frac{44^{\circ}}{315^{\circ}}$	$\frac{32^{\circ}}{287^{\circ}}$	$\frac{29^{\circ}}{268^{\circ}}$	$\frac{30^{\circ}}{260^{\circ}}$	$\frac{29^{\circ}}{235^{\circ}}$	$\frac{29^{\circ}}{198^{\circ}}$	$\frac{30^{\circ}}{185^{\circ}}$	$\frac{31^{\circ}}{156^{\circ}}$	$\frac{30^{\circ}}{132^{\circ}}$	$\frac{47^{\circ}}{86^{\circ}}$
				E.W.	E.W.				
						2730°		2730°	
						-188°		-133°	

0°

N
312

6765

$\frac{44^2}{324^{\circ}}$	$\frac{32^2}{296^{\circ}}$	$\frac{30^2}{274^{\circ}}$	$\frac{30^2}{232^{\circ}}$	$\frac{30^2}{159^{\circ}}$	$\frac{51^2}{117^{\circ}}$
			E.W.	E.W.	

0°

6750

$\frac{44^2}{324^{\circ}}$	$\frac{32^2}{299^{\circ}}$	$\frac{30^2}{273^{\circ}}$	$\frac{30^2}{232^{\circ}}$	$\frac{30^2}{159^{\circ}}$	$\frac{51^2}{114^{\circ}}$
			E.W.	E.W.	

0°

6700

$\frac{44^2}{326^{\circ}}$	$\frac{32^2}{308^{\circ}}$	$\frac{29^2}{293^{\circ}}$	$\frac{30^2}{268^{\circ}}$	$\frac{30^2}{232^{\circ}}$	$\frac{50^2}{158^{\circ}}$	$\frac{50^2}{106^{\circ}}$
			E.W.	E.W.		

0°

STATIONED
BANK TO BANK

X-SECTIONS

BAR #1

7-31-86

(SAME BASE LINE AS '85)

TOTAL 3452⁰⁶ YDS

UNION COUNTY
SURVEYOR

Date Received 8-19-86

Date Filed 9-19-86

By _____

File No. NARRATIVE 1/8

SEE SURVEY 26-86

WATERBURY

MASSACHUSETTS

No. 312

0+50 $\frac{33^1}{144^0}$ $\frac{21^1}{144^0}$ $\frac{21^1}{106^0}$ $\frac{21^0}{84^0}$ $\frac{24^0}{74^0}$ $\frac{25^0}{58^0}$ $\frac{26^0}{49^0}$ $\frac{23^1}{35^0}$ $\frac{25^0}{26^0}$ $\frac{25^0}{9^0}$ $\frac{29^0}{1^0}$

AREA
152³² SQ. FT.

$\frac{22^1}{83^0}$

$\frac{22^1}{15^0}$

↑
167.92 YDS

↓

0+00 $\frac{31^0}{135^0}$ $\frac{21^0}{109^0}$ $\frac{21^0}{57^0}$ $\frac{21^0}{40^0}$ $\frac{23^0}{32^0}$ $\frac{22^1}{28^0}$ $\frac{22^0}{21^0}$ $\frac{23^1}{18^0}$ $\frac{24^1}{5^0}$ $\frac{28^1}{0^0}$

AREA
29⁰⁵ SQ. FT.

E.W. E.W.

$\frac{22^0}{39^0}$

$\frac{22^0}{8^0}$

↑

34.97 YDS

↓

-0+65
AREA = 0

$\frac{30^0}{98^0}$

$\frac{20^0}{64^0}$
E.W.

$\frac{20^0}{21^0}$
E.W.

$\frac{27^0}{0^0}$

2+00

AREA

353⁶⁵ SQ FT.

↑
670⁹⁷ YDS

↓

$\frac{35^{\circ}}{228^{\circ}}$	$\frac{22^{\circ}}{204^{\circ}}$	$\frac{22^{\circ}}{164^{\circ}}$	$\frac{25^{\circ}}{128^{\circ}}$	$\frac{27^{\circ}}{60^{\circ}}$	$\frac{24^{\circ}}{53^{\circ}}$	$\frac{24^{\circ}}{51^{\circ}}$	$\frac{24^{\circ}}{29^{\circ}}$	$\frac{26^{\circ}}{15^{\circ}}$	$\frac{32^{\circ}}{10^{\circ}}$
----------------------------------	----------------------------------	----------------------------------	----------------------------------	---------------------------------	---------------------------------	---------------------------------	---------------------------------	---------------------------------	---------------------------------

E.W. E.W.

23³
154⁰

23³
18⁰

1+50

AREA
371⁰⁰ SQ FT.

↑
614³⁵ YDS

↓

$\frac{34^{\circ}}{206^{\circ}}$	$\frac{21^{\circ}}{182^{\circ}}$	$\frac{21^{\circ}}{163^{\circ}}$	$\frac{24^{\circ}}{118^{\circ}}$	$\frac{25^{\circ}}{13^{\circ}}$	$\frac{27^{\circ}}{61^{\circ}}$	$\frac{24^{\circ}}{55^{\circ}}$	$\frac{24^{\circ}}{46^{\circ}}$	$\frac{25^{\circ}}{36^{\circ}}$	$\frac{26^{\circ}}{13^{\circ}}$	$\frac{32^{\circ}}{3^{\circ}}$
----------------------------------	----------------------------------	----------------------------------	----------------------------------	---------------------------------	---------------------------------	---------------------------------	---------------------------------	---------------------------------	---------------------------------	--------------------------------

E.W. E.W.

22⁴
146⁰

22⁴
18⁰

1+00

AREA
292⁰⁰ SQ FT.

↑
411⁰⁵ YDS

↓

$\frac{33^{\circ}}{185^{\circ}}$	$\frac{21^{\circ}}{161^{\circ}}$	$\frac{21^{\circ}}{134^{\circ}}$	$\frac{23^{\circ}}{105^{\circ}}$	$\frac{25^{\circ}}{97^{\circ}}$	$\frac{27^{\circ}}{61^{\circ}}$	$\frac{23^{\circ}}{54^{\circ}}$	$\frac{24^{\circ}}{39^{\circ}}$	$\frac{25^{\circ}}{30^{\circ}}$	$\frac{25^{\circ}}{10^{\circ}}$	$\frac{30^{\circ}}{2^{\circ}}$
----------------------------------	----------------------------------	----------------------------------	----------------------------------	---------------------------------	---------------------------------	---------------------------------	---------------------------------	---------------------------------	---------------------------------	--------------------------------

E.W. E.W.

22³
117⁰

22³
16⁰

No. 312

3+50

AREA

13275 SQ FT



335.05 YDS



$\frac{29^{\circ}}{260^{\circ}}$	$\frac{24^{\circ}}{237^{\circ}}$	$\frac{23^{\circ}}{189^{\circ}}$	$\frac{23^{\circ}}{151^{\circ}}$	$\frac{26^{\circ}}{122^{\circ}}$	$\frac{27^{\circ}}{89^{\circ}}$	$\frac{25^{\circ}}{69^{\circ}}$	$\frac{25^{\circ}}{66^{\circ}}$	$\frac{25^{\circ}}{55^{\circ}}$	$\frac{34^{\circ}}{32^{\circ}}$
E.W., E.W.									

$\frac{24^{\circ}}{139^{\circ}}$

$\frac{24^{\circ}}{58^{\circ}}$

3+00

AREA

22910



446.16 YDS



$\frac{32^{\circ}}{257^{\circ}}$	$\frac{24^{\circ}}{217^{\circ}}$	$\frac{23^{\circ}}{203^{\circ}}$	$\frac{23^{\circ}}{155^{\circ}}$	$\frac{26^{\circ}}{119^{\circ}}$	$\frac{27^{\circ}}{82^{\circ}}$	$\frac{24^{\circ}}{55^{\circ}}$	$\frac{24^{\circ}}{49^{\circ}}$	$\frac{25^{\circ}}{35^{\circ}}$	$\frac{32^{\circ}}{21^{\circ}}$
E.W., E.W.									

$\frac{24^{\circ}}{145^{\circ}}$

$\frac{24^{\circ}}{37^{\circ}}$

2+50

AREA

25273 SQ FT

↑

561.48 YDS



$\frac{34^{\circ}}{244^{\circ}}$	$\frac{23^{\circ}}{218^{\circ}}$	$\frac{22^{\circ}}{202^{\circ}}$	$\frac{22^{\circ}}{160^{\circ}}$	$\frac{26^{\circ}}{126^{\circ}}$	$\frac{27^{\circ}}{69^{\circ}}$	$\frac{24^{\circ}}{54^{\circ}}$	$\frac{24^{\circ}}{37^{\circ}}$	$\frac{27^{\circ}}{24^{\circ}}$	$\frac{31^{\circ}}{10^{\circ}}$
E.W., E.W.									

$\frac{23^{\circ}}{150^{\circ}}$

$\frac{23^{\circ}}{35^{\circ}}$

No. 312

4+90
AREA = 0



107 YD



$\frac{31^2}{275^\circ}$	$\frac{26^2}{257^\circ}$	$\frac{25^2}{178^\circ}$	$\frac{25^2}{126^\circ}$	$\frac{37^2}{80^\circ}$
		E.W.	E.W.	

4+50
AREA
145 SQ FT



43.33 YDS



$\frac{29^2}{27^\circ}$	$\frac{25^2}{258^\circ}$	$\frac{24^2}{176^\circ}$	$\frac{24^2}{136^\circ}$	$\frac{25^2}{125^\circ}$	$\frac{25^2}{113^\circ}$	$\frac{26^2}{107^\circ}$	$\frac{36^2}{72^\circ}$
		E.W.	E.W.				
				$\frac{25^2}{116^\circ}$	$\frac{25^2}{109^\circ}$		

4+00
AREA
45.33 SQ FT



16.91 YDS



$\frac{28^2}{268^\circ}$	$\frac{25^2}{244^\circ}$	$\frac{24^2}{183^\circ}$	$\frac{24^2}{146^\circ}$	$\frac{25^2}{125^\circ}$	$\frac{26^2}{97^\circ}$	$\frac{26^2}{85^\circ}$	$\frac{35^2}{54^\circ}$
			E.W.	E.W.			
				$\frac{25^2}{133^\circ}$	$\frac{25^2}{90^\circ}$		

UNION COUNTY
SURVEYOR

Date Received 8-19-86

Date Filed 9-19-86

By _____

File No. NAPELMOUE 1/B

SEE SURVEY 26-86

AS LA BAR
BANK TO BANK
STATIONED X-SECTIONS

7-31-86

SAME STATIONING AS 85 MEASURE

10/19/86 67

11054-74 VDS



✓
1+00

$\frac{39^2}{223^2}$	$\frac{35^2}{211^2}$	$\frac{33^2}{198^2}$	$\frac{33^2}{112^2}$	$\frac{33^2}{27^2}$
			E.W.	E.W.

0° $\frac{47^6}{23^2}$

✓
0+50

$\frac{37^6}{205^2}$	$\frac{34^7}{200^2}$	$\frac{32^7}{118^2}$	$\frac{32^7}{35^2}$
		E.W.	E.W.

0° $\frac{37^3}{17^2}$

✓
0+00

$\frac{37^2}{195^2}$	$\frac{35^2}{195^2}$	$\frac{32^2}{121^2}$	$\frac{32^2}{42^2}$
		E.W.	E.W.

0° $\frac{47^2}{17^2}$

$2+50$ $\frac{37^4}{226^0}$ $\frac{35^7}{220^0}$ $\frac{33^6}{220^0}$ $\frac{33^6}{151^0}$ $\frac{36^2}{146^0}$ $\frac{36^4}{126^0}$ $\frac{35^8}{112^0}$ $\frac{34^3}{107^0}$ $\frac{36^9}{55^0}$ $\frac{36^0}{17^0}$
 AREA E.W. G.W. | |
 121^0 59^0 59^0 | |
 180^0 | | | |
 149^0 108^0 101^0 20^0

↑
 $179 \frac{1}{2}$ YDS

$2+00$ $\frac{39^1}{238^0}$ $\frac{35^6}{222^0}$ $\frac{33^5}{222^0}$ $\frac{33^4}{109^0}$ $\frac{34^3}{70^0}$ $\frac{35^0}{20^0}$
 AREA G.W. E.W. | |
 12^0 | | | |
 64^0 27^0

↑
 $11 \frac{6}{7}$ YDS

$1+50$ $\frac{39^5}{231^0}$ $\frac{35^7}{216^0}$ $\frac{33^4}{208^0}$ $\frac{33^3}{22^0}$
 E.W. E.W.

0^0 $\frac{46^5}{4^0}$

0^0 $\frac{47^0}{12^0}$

0^0 $\frac{47^4}{23^0}$

4+00

AREA
230⁶⁵ SQ FT

↑
390⁷² YDS

$\frac{35^8}{254^2}$	$\frac{34^2}{254^2}$	$\frac{34^2}{170^2}$	$\frac{37^2}{160^2}$	$\frac{37^2}{139^2}$	$\frac{36^2}{127^2}$	$\frac{36^3}{116^2}$	$\frac{37^1}{100^2}$	$\frac{37^1}{93^2}$	$\frac{37^1}{27^2}$
		G.W. E.W.							
		393		-		353		/	
		167°				382			

0° $\frac{42^6}{4^2}$

3+50

AREA
140⁴⁰ SQ FT
51²⁰ SQ FT
191⁴⁰ SQ FT

↑
372⁶⁹ YDS
↓

$\frac{35^2}{258^2}$	$\frac{34^1}{258^2}$	$\frac{34^1}{142^2}$	$\frac{36^2}{154^2}$	$\frac{37^2}{131^2}$	$\frac{35^1}{125^2}$	$\frac{35^1}{112^2}$	$\frac{37^1}{87^2}$	$\frac{36^9}{22^2}$	
		E.W. E.W.							
		351		/		351		/	
		158°				31°			

0° $\frac{41^9}{2^2}$

3+00

AREA
155⁴⁰ SQ FT
55¹⁰ SQ FT
211²⁰ SQ FT

↑
362⁹⁰ YDS
↓

$\frac{35^6}{216^2}$	$\frac{33^9}{216^2}$	$\frac{33^9}{157^2}$	$\frac{36^2}{151^2}$	$\frac{36^2}{128^2}$	$\frac{35^1}{118^2}$	$\frac{34^2}{109^2}$	$\frac{37^2}{80^2}$	$\frac{36^2}{15^2}$	
		E.W. E.W.							
		342		/		342		/	
		55°				107°		18°	

0° $\frac{45^6}{4^2}$

5+50

AREA
555⁰⁰ 50 FT

↑

925²³ YDS

↓

$\frac{38^{\circ}}{250^{\circ}}$	$\frac{36^{\circ}}{242^{\circ}}$	$\frac{34^{\circ}}{242^{\circ}}$	$\frac{34^{\circ}}{191^{\circ}}$	$\frac{37^{\circ}}{182^{\circ}}$	$\frac{39^{\circ}}{171^{\circ}}$	$\frac{37^{\circ}}{72^{\circ}}$	$\frac{37^{\circ}}{29^{\circ}}$	$\frac{44^{\circ}}{2^{\circ}}$
			E.W.	E.W.				
			$\frac{35^{\circ}}{189^{\circ}}$				$\frac{35^{\circ}}{37^{\circ}}$	

0°

5+00

AREA
444⁰⁰ 50 FT

↑

762³⁶ YDS

↓

$\frac{38^{\circ}}{252^{\circ}}$	$\frac{35^{\circ}}{246^{\circ}}$	$\frac{34^{\circ}}{246^{\circ}}$	$\frac{34^{\circ}}{188^{\circ}}$	$\frac{38^{\circ}}{181^{\circ}}$	$\frac{39^{\circ}}{120^{\circ}}$	$\frac{37^{\circ}}{78^{\circ}}$	$\frac{37^{\circ}}{29^{\circ}}$
			E.W.	E.W.			
			$\frac{35^{\circ}}{186^{\circ}}$			$\frac{35^{\circ}}{39^{\circ}}$	

0°

$\frac{44^{\circ}}{4^{\circ}}$

4+50

AREA
379²⁵ 50 FT

↑

564¹³ YDS

↓

$\frac{37^{\circ}}{255^{\circ}}$	$\frac{35^{\circ}}{250^{\circ}}$	$\frac{34^{\circ}}{250^{\circ}}$	$\frac{34^{\circ}}{179^{\circ}}$	$\frac{37^{\circ}}{170^{\circ}}$	$\frac{37^{\circ}}{160^{\circ}}$	$\frac{38^{\circ}}{123^{\circ}}$	$\frac{38^{\circ}}{107^{\circ}}$	$\frac{37^{\circ}}{83^{\circ}}$	$\frac{37^{\circ}}{22^{\circ}}$
			E.W.	E.W.					
			$\frac{35^{\circ}}{177^{\circ}}$					$\frac{35^{\circ}}{31^{\circ}}$	

0°

$\frac{43^{\circ}}{5^{\circ}}$

7100

ARCA
484⁵⁵ SQ FT

↑

891⁹⁴ YDS

↓

40 ³	34 ²	34 ²	37 ⁹	39 ²	38 ²	37 ²	45 ⁷
229 ²	229 ²	184 ²	172 ²	115 ²	61 ²	23 ²	13 ²
		E.W. G.W.					
		35 ²		—		35 ²	
		181 ²				27 ²	

0°

6150

ARCA
478²⁵ SQ FT

↑

876²⁵ YDS

↓

39 ⁶	34 ²	34 ²	37 ⁸	39 ²	37 ⁸	37 ⁴	46 ⁵
240 ²	237 ²	190 ²	178 ²	121 ²	63 ²	27 ²	14 ²
		E.W. G.W.					
		35 ²		—		35 ²	
		186 ²				30 ²	

0°

6100

ARCA
467⁶⁰ SQ FT

↑

947⁶⁹ YDS

↓

39 ⁰	36 ⁰	34 ²	34 ²	37 ⁸	39 ²	37 ²	37 ⁴	45 ⁷
247 ²	238 ²	238 ²	191 ²	180 ²	122 ²	66 ²	28 ²	7 ²
		E.W. G.W.						
		35 ²		—		35 ²		
		188 ²				33 ²		

0°

8+50

AREA
522 SQ FT

↑
958⁷⁵ YDS

↓

$\frac{41^{\circ}}{200^{\circ}}$	$\frac{34^{\circ}}{200^{\circ}}$	$\frac{34^{\circ}}{164^{\circ}}$	$\frac{38^{\circ}}{153^{\circ}}$	$\frac{39^{\circ}}{100^{\circ}}$	$\frac{36^{\circ}}{54^{\circ}}$	$\frac{38^{\circ}}{11^{\circ}}$	$\frac{44^{\circ}}{2^{\circ}}$
E.W.	E.W.						

$\frac{35^{\circ}}{161^{\circ}}$	$\frac{35^{\circ}}{15^{\circ}}$
----------------------------------	---------------------------------

0°

8+00

AREA
513 SQ FT

↑
928⁸⁰ YDS

↓

$\frac{41^{\circ}}{210^{\circ}}$	$\frac{34^{\circ}}{210^{\circ}}$	$\frac{34^{\circ}}{172^{\circ}}$	$\frac{38^{\circ}}{162^{\circ}}$	$\frac{39^{\circ}}{105^{\circ}}$	$\frac{38^{\circ}}{56^{\circ}}$	$\frac{37^{\circ}}{16^{\circ}}$	$\frac{44^{\circ}}{8^{\circ}}$
E.W.	E.W.						

$\frac{35^{\circ}}{169^{\circ}}$	$\frac{35^{\circ}}{19^{\circ}}$
----------------------------------	---------------------------------

0°

7+50

AREA
490 SQ FT

↑
902⁴¹ YDS

↓

$\frac{40^{\circ}}{220^{\circ}}$	$\frac{34^{\circ}}{220^{\circ}}$	$\frac{34^{\circ}}{179^{\circ}}$	$\frac{38^{\circ}}{167^{\circ}}$	$\frac{39^{\circ}}{109^{\circ}}$	$\frac{38^{\circ}}{58^{\circ}}$	$\frac{37^{\circ}}{21^{\circ}}$	$\frac{44^{\circ}}{12^{\circ}}$
E.W.	E.W.						

$\frac{35^{\circ}}{176^{\circ}}$	$\frac{35^{\circ}}{24^{\circ}}$
----------------------------------	---------------------------------

0°

10+00
AREA - 0



326⁸¹ YDS



$\frac{43^\circ}{173^\circ}$	$\frac{35^\circ}{170^\circ}$	$\frac{35^\circ}{137^\circ}$	$\frac{37^\circ}{128^\circ}$	$\frac{39^\circ}{88^\circ}$	$\frac{38^\circ}{43^\circ}$	$\frac{38^\circ}{7^\circ}$
	E.W.	E.W.			E.W.	TIP OF POOL

0° $\frac{44^\circ}{18^\circ}$

9+50
AREA
352⁹⁵ SQ FT



747⁴⁵ YDS



$\frac{42^\circ}{180^\circ}$	$\frac{35^\circ}{180^\circ}$	$\frac{35^\circ}{144^\circ}$	$\frac{37^\circ}{136^\circ}$	$\frac{39^\circ}{92^\circ}$	$\frac{38^\circ}{46^\circ}$	$\frac{38^\circ}{6^\circ}$
	E.W.	E.W.				
			$\frac{36^\circ}{141^\circ}$		$\frac{36^\circ}{16^\circ}$	

0° $\frac{43^\circ}{15^\circ}$

9+00
AREA
454³² SQ FT



904³⁵ YDS



$\frac{42^\circ}{189^\circ}$	$\frac{34^\circ}{189^\circ}$	$\frac{34^\circ}{155^\circ}$	$\frac{37^\circ}{144^\circ}$	$\frac{39^\circ}{95^\circ}$	$\frac{38^\circ}{50^\circ}$	$\frac{38^\circ}{8^\circ}$
	E.W.	E.W.				
			$\frac{35^\circ}{152^\circ}$		$\frac{35^\circ}{16^\circ}$	

0° $\frac{43^\circ}{7^\circ}$

11+30

$\frac{45^3}{162^0}$	$\frac{36^0}{147^0}$	$\frac{36^0}{115^0}$	$\frac{38^7}{78^0}$	$\frac{38^4}{54^0}$	$\frac{38^4}{7^0}$
	E.W.	E.W.		E.W.	E.W.

0°

$\frac{45^3}{14^0}$

11+00

$\frac{44^9}{162^0}$	$\frac{36^6}{156^0}$	$\frac{36^6}{126^0}$	$\frac{38^9}{87^0}$	$\frac{38^9}{80^0}$	$\frac{38^4}{54^0}$	$\frac{38^4}{8^0}$
	E.W.	E.W.			E.W.	E.W.

0°

$\frac{45^1}{17^0}$

10+50

$\frac{43^0}{166^0}$	$\frac{35^6}{158^0}$	$\frac{35^6}{133^0}$	$\frac{37^4}{120^0}$	$\frac{39^1}{84^0}$	$\frac{38^6}{60^0}$	$\frac{38^4}{47^0}$	$\frac{38^4}{7^0}$
	E.W.	E.W.				E.W.	E.W.

0°

$\frac{44^0}{21^0}$

11495

$\frac{46^2}{162^{\circ}}$	$\frac{38^4}{124^{\circ}}$	$\frac{38^4}{67^{\circ}}$	$\frac{38^4}{8^{\circ}}$
E.W.		TIP OR BAR	E.W.

11450

$\frac{45^2}{162^{\circ}}$	$\frac{37^3}{40^{\circ}}$	$\frac{37^3}{107^{\circ}}$	$\frac{38^6}{75^{\circ}}$	$\frac{38^4}{55^{\circ}}$	$\frac{38^4}{9^{\circ}}$
E.W.	E.W.			E.W.	E.W.

0° $\frac{46^1}{8^{\circ}}$

0° $\frac{45^2}{11^{\circ}}$