

1955

K-E

FIELD BOOK

360 A

COUNTY

ALACHUA

DUVAL

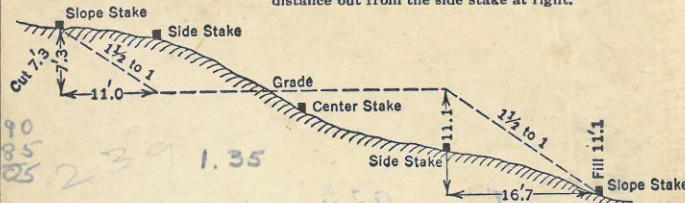
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11

DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING

Roadway of any Width. Side Slopes $1\frac{1}{2}$ to 1.

In the figure below: opposite 7 under "Cut or Fill" and under .3 read 11.0, the distance out from the side stake at left. Also, opposite 11 under "Cut or Fill" and under .1 read 16.7, the distance out from the side stake at right.



Cut or Fill	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	Cut or Fill
	Distance out from Side or Shoulder Stake										
0	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	0
1	1.5	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9	1
2	3.0	3.2	3.3	3.5	3.6	3.8	3.9	4.1	4.2	4.4	2
3	4.5	4.7	4.8	5.0	5.1	5.3	5.4	5.6	5.7	5.9	3
4	6.0	6.2	6.3	6.5	6.6	6.8	6.9	7.1	7.2	7.4	4
5	7.5	7.7	7.8	8.0	8.1	8.3	8.4	8.6	8.7	8.9	5
6	9.0	9.2	9.3	9.5	9.6	9.8	9.9	10.1	10.2	10.4	6
7	10.5	10.7	10.8	11.0	11.1	11.3	11.4	11.6	11.7	11.9	7
8	12.0	12.2	12.3	12.5	12.6	12.8	12.9	13.1	13.2	13.4	8
9	13.5	13.7	13.8	14.0	14.1	14.3	14.4	14.6	14.7	14.9	9
10	15.0	15.2	15.3	15.5	15.6	15.8	15.9	16.1	16.2	16.4	10
11	16.5	16.7	16.8	17.0	17.1	17.3	17.4	17.6	17.7	17.9	11
12	18.0	18.2	18.3	18.5	18.6	18.8	18.9	19.1	19.2	19.4	12
13	19.5	19.7	19.8	20.0	20.1	20.3	20.4	20.6	20.7	20.9	13
14	21.0	21.2	21.3	21.5	21.6	21.8	21.9	22.1	22.2	22.4	14
15	22.5	22.7	22.8	23.0	23.1	23.3	23.4	23.6	23.7	23.9	15
16	24.0	24.2	24.3	24.5	24.6	24.8	24.9	25.1	25.2	25.4	16
17	25.5	25.7	25.8	26.0	26.1	26.3	26.4	26.6	26.7	26.9	17
18	27.0	27.2	27.3	27.5	27.6	27.8	27.9	28.1	28.2	28.4	18
19	28.5	28.7	28.8	29.0	29.1	29.3	29.4	29.6	29.7	29.9	19
20	30.0	30.2	30.3	30.5	30.6	30.8	30.9	31.1	31.2	31.4	20
21	31.5	31.7	31.8	32.0	32.1	32.3	32.4	32.6	32.7	32.9	21
22	33.0	33.2	33.3	33.5	33.6	33.8	33.9	34.1	34.2	34.4	22
23	34.5	34.7	34.8	35.0	35.1	35.3	35.4	35.6	35.7	35.9	23
24	36.0	36.2	36.3	36.5	36.6	36.8	36.9	37.1	37.2	37.4	24
25	37.5	37.7	37.8	38.0	38.1	38.3	38.4	38.6	38.7	38.9	25
26	39.0	39.2	39.3	39.5	39.6	39.8	39.9	40.1	40.2	40.4	26
27	40.5	40.7	40.8	41.0	41.1	41.3	41.4	41.6	41.7	41.9	27
28	42.0	42.2	42.3	42.5	42.6	42.8	42.9	43.1	43.2	43.4	28
29	43.5	43.7	43.8	44.0	44.1	44.3	44.4	44.6	44.7	44.9	29
30	45.0	45.2	45.3	45.5	45.6	45.8	45.9	46.1	46.2	46.4	30
31	46.5	46.7	46.8	47.0	47.1	47.3	47.4	47.6	47.7	47.9	31
32	48.0	48.2	48.3	48.5	48.6	48.8	48.9	49.1	49.2	49.4	32
33	49.5	49.7	49.8	50.0	50.1	50.3	50.4	50.6	50.7	50.9	33
34	51.0	51.2	51.3	51.5	51.6	51.8	51.9	52.1	52.2	52.4	34
35	52.5	52.7	52.8	53.0	53.1	53.3	53.4	53.6	53.7	53.9	35
36	54.0	54.2	54.3	54.5	54.6	54.8	54.9	55.1	55.2	55.4	36
37	55.5	55.7	55.8	56.0	56.1	56.3	56.4	56.6	56.7	56.9	37
38	57.0	57.2	57.3	57.5	57.6	57.8	57.9	58.1	58.2	58.4	38
39	58.5	58.7	58.8	59.0	59.1	59.3	59.4	59.6	59.7	59.9	39
40	60.0	60.2	60.3	60.5	60.6	60.8	60.9	61.1	61.2	61.4	40

KEUFFEL & ESSER CO., N. Y.

For Curve Tables see end of book.

Note book

1-55

Emrich & Gould

1955

The paper in this book No. 360A is made of 50% high grade rag stock with a WATER RESISTING surface sizing.

In t
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NASSAU County.

June 1955

Alachua County

July, Aug, 1955

JUNE 3

WEATHER:

①

HOT & CLEAR

Remarks

Bench mark of 13.13 ft. is the top of northern most screw in base of first support of conveyor leading from chipper house in Container Corp. of Am., Fernandina Beach, Fla.

Well elevation is at floor of well house.

Water tower at center of Rayonier plant. Elevation 19' determined from BM in town by plant surveyors to base of water tower.

Accept elevation for wells as determined by Rayonier Co.

Station	+BS	H.I.	-F.S.	Elev.
TBM	4.45	17.67	4.45	13.13
W371	4.54	17.67	4.45	13.22

TP ₁	4.68	17.90	4.77	13.13
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TBM,				14.00
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TP	3.42	17.42	5.41	12.01
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TP ₂	3.91	15.92	3.76	12.16
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June 4

Sta	+BS	HI	-FS	Elev.
BM				18.14
TP ₁	6.81	24.95	0.59	24.36
W 2918	4.05	28.41	3.50	24.91
			3.2	
TP ₂		28.41	7.32	21.09
TP ₃	5.07	26.16	3.48	22.68
TP ₄	7.13	29.81	3.76	26.05
TP ₅	3.35	29.40	6.07	23.33
TP ₆	5.21	28.54	6.43	22.11
TP ₇	0.02	22.13	3.68	18.45
TP ₈	3.48	21.93	4.96	16.97
TP ₉	3.43	20.40	3.87	16.53
W 343	3.79	20.32	4.28	16.04
TP ₁₀		20.32	3.48	16.84
TP ₁₁	3.48	20.32	3.11	17.21
TP ₁₂	4.40	21.61	3.01	18.60
TP ₁₃	3.81	22.41	8.04	14.37
TP ₁₄	6.58	20.95	4.01	16.94
TP ₁₅	5.82	22.76	4.55	18.21
TP ₁₆	5.27	23.48	5.82	17.66
TP ₁₇	6.38	24.04	5.48	18.56

WEATHER: ②
HOT & CLEAR

REMARKS
Fernandina Tidal 16

Shot from court house east on
Atlantic St. to city Reservoir



ELEVATION OF W 2918

Shots south on 10th Street

East on Gum St. ERROR OF CLOSURE:
South on 8th St.

East on Line St. $\frac{18.56}{18.14}$
.42

North on 8th St.

West on Gum St.
North on 6th St.

West on Atlantic Ave.

JUNE 4,

(3)

STA.	BS+	HI	FS-	ELEV.
BM				34.57
TP ₁	5.20	39.77	4.98	34.79
WZ964	5.22	40.01	2.60	37.41
TP ₂	2.39	39.80	5.28	34.52

REMARKS

SW CORNER OF TERMINAL PAPER BAG CO.
AT INTERSECTION OF SOUTHERN AND WESTERN
PROPERTY LINES

ELEVATION AT BOTTOM OF ELBOW.

ERROR OF CLOSURE:

34.57

34.52

.05

HOT & CLEAR

June 7. - Duval County

Remarks

STA	+BS	HI	FS	Elev.
TBM				18.55

U.S. NAVAL Air Station, Jax., corner of
Giles and Birmingham Sts.East on Birmingham St. Well elevation
from floor of well house

West on Birmingham St.

TP ₁	4.11	22.66	2.35	20.31
W 514	6.21	26.52	5.70	20.82
TP ₂	5.70	26.52	8.06	18.46
TP ₃	3.18	21.64	3.08	18.56

ERROR of closure 0.01 ft.

TBM				13.47
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U.S. NAVAL AIR STATION, JACKSONVILLE,
CORNER OF RANGER AVE AND SWIMMING
POOL.

TP ₁	2.92	16.39	8.51	7.88
W 513	5.66	13.54	4.51	9.03
TP ₂	4.51	13.54	2.32	11.22
TP ₃	6.11	17.33	3.82	13.51

ELEVATION TAKEN AT FLOOR OF WELL
HOUSE. 200' WEST OF STATION BRIG.

ERROR OF CLOSURE 0.04'

TBM				9.93
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End of culvert at south end of gate
to water plant, on Norman Ave,
Dewey Park.

W 661	0.93	10.86	6.12	4.74
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JUNE 9 - DUVAL COUNTY

STA + B.S. H.I. - FS ELEV.

BM 36

6.90

W 897 4.66 11.56 5.01 6.55

TP1 4.71 11.26 4.36 6.90

US. NAVAL AIR Base at
Mayport, Fla.

REMARKS

WEATHER: (5)

HOT & CLEAR

CORPS OF ENGINEERS, BM 36, 1950
150 FT. NORTH OF BUILDING 38, DANIAL DR.
20 FT. South OF FIRE house

Jun 13 Duval County
 Sta. +BS HI -FS Elev
 23.90

W 73 5.58 29.48 5.53 23.95
 TPI 536 2945 5.56 23.89

Error of closure Δ 0.01

Weather - Hot clear

700' s on Melson Ave from Broadway
 and 19.90' E from Melson Ave. Crosscut
 on front landing of demolished house.
 Floor of well house at well.
 West to Melson Ave.

Weather: Hot (7)
AND Hazy

June 15, 1955

Duval County

Sta	+B.S.	H.I.	-F.S.	Elev.
TBM				18.09

W3283	6.38	24.47	6.78	17.69
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TP	7.45	25.14	7.06	18.08
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Error of closure $\Delta = 0.01$ ft.

TBM	2.01	6.52		20.13
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W3416	2.61	22.74	6.52	16.22
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TP	5.80	22.02	1.89	20.13
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Nail at base of telephone pole in
front of 372 Tidewater Circle,
Tidewater Housing Sub-division
South on Tidewater Circle. Reading
at top of well casing
North on Tidewater Circle

CONCRETE MON. 25' E ARLINGTON ST.
25' N. HOLIDAY RD.

10' E OF PUMP HOUSE

JUNE 16 1955

DUVAL

REMARKS:

WEATHER: (2)

HOT & CLEAR

STA.	+BS	HI	-FS	ELEV.
TBM		county datum		38.60
TP ₁	4.51	43.11	4.27	38.84
TP ₂	4.82	43.66	4.41	39.25
TP ₃	4.86	44.11	3.90	40.21
TP ₄	4.53	44.74	4.07	40.67
TP ₅	5.17	45.84	5.05	40.79
TP ₆	5.05	45.84	4.61	41.23
TP ₇	4.90	46.13	3.38	42.75
TP ₈	4.92	47.83	3.33	44.50
W 3068	3.49	47.99	2.73	45.26
TP ₉	4.90	50.16	4.73	45.43
TP ₁₀	4.63	50.06	5.55	44.51
TP ₁₁	3.80	48.31	5.41	42.90
TP ₁₂	4.04	46.94	5.33	41.61
TP ₁₃	4.24	45.85	4.93	40.92
TP ₁₄	4.77	45.69	5.02	40.67
TP ₁₅	4.51	45.18	5.21	39.97
TP ₁₆	3.50	43.47	4.85	38.62

+2.12

ERROR OF CLOSURE $\Delta = 0.02'$

CROSS CUT, NW CORNER HEADWALL
 23' N & ATLANTIC BLVD. & 120' E
 & INTERSECTION HATCH RD. & ATLANTIC
 WEST ON ATLANTIC BLVD.
 SOUTH ON BROOKVIEW DR.
 " " " "
 " " " "
 " " " "
 " " " "
 SOUTH WEST ON BROOKVIEW DR.
 " " " "
 SOUTH WEST INTO WELL HOUSE
 NORTH EAST ON BROOKVIEW DR.
 " " " "
 NORTH ON BROOKVIEW DR.
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 EAST ON ATLANTIC BLVD.

June 16, 1955 - Arlington, Pa.

Sta. B.S. H.I. F.S. E/cv.

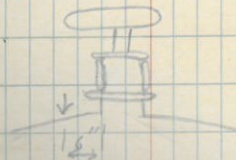
T.B.M. county datum: 31.73

W 523 6.38 38.11 3.31 34.80 +2.12

TP, 4.62 39.42 7.71 31.71

Error of closure 0.02'

County datum. B.M. at intersection of Arlington Rd. and Chaseville Rd., Arlington. At Pure gas station in center of foundation of gas pumps



JUNE 17, 1955

DUVAL

COUNTY

REMARKS:

HOT & HAZY

STA.	+B.S.	H. I.	-F.S.	ELEV.
TBM				25.21
W3435	3.24	28.45	4.96	23.49
TP ₁	4.93	28.42	3.21	25.21

TBM				27.81
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W3282	4.07	31.88	4.91	26.97
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TP ₂	4.52	31.51	3.71	27.80
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Error of closure Δ 0.01 ft.

NAIL IN PINE TREE ON SOUTH SIDE
BALBOA RD., 80' NE WATER PLANT
117' SOUTH OF BALBOA & 140' EAST OF
TOLEDO.

Base of pine tree at intersection
of Bellinda Circle and unnamed Road,
south-east pump house - San Souci
subdivision.

Wall elevation at floor of well houses.

JUNE 18, 1955

DUVAL COUNTY

REMARKS:

HOT & HAZY

STA.	+BS	HI	-FS	ELEV.
BM ^{AJ} ₁₈				9.02

TP ₁	5.30	14.32	3.63	10.69
TP ₂	4.65	15.34	4.61	10.73
TP ₃	5.93	16.66	4.09	12.57
TP ₄	3.74	16.31	3.23	13.08
W2443	6.73	19.81	4.03	15.78
TP ₅	5.25	21.03	4.85	16.18
TP ₆	3.77	19.95	4.64	15.31
TP ₇	3.52	18.93	5.37	13.56
TP ₈	3.17	16.73	5.21	11.52
TP ₉	2.02	13.54	4.51	9.03

ERROR OF CLOSURE $\Delta = 0.01'$

TBM:

21.97
county datum

TP ₁	1.58	23.55	4.16	19.39
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TP ₂	5.41	24.80	6.39	18.41
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TP ₃	3.12	21.53	7.42	14.11
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South ON SPRING FOREST DR.

" " " " "

" " " " "

" " " " "

EAST TO WELL

NORTH ON SPRING FOREST DR.

" " " " "

" " " " "

" " " " "

" " " " "

Amaco service sta., north-west cor.
of Highland Ave and Beach Blvd.
Cross cut on east end of gas pump
foundation.

South from gas station to south
side of Beach Blvd and Bridge water Creek
West on Beach Blvd.

STA.	+ B.S.	H.I.	- F.S.	Elev.
TP ₄	4.26	18.37	3.22	15.15
W3335	5.10	20.25	2.53	17.72 + 2.12
TP ₅	2.53	20.25	4.35	15.90
TP ₆	6.92	22.82	5.46	17.36
TP ₇	3.78	21.14	2.01	19.13
TP ₈	5.42	24.55	2.60	21.95

Error of closure $\Delta = 0.02$ ft.

TBM county datum 25.74

TP ₁	4.04	29.78	5.45	24.33
TP ₂	4.70	29.03	3.66	25.37
TP ₃	6.23	31.60	3.01	28.59
W521	4.94	33.53	4.85	28.68 + 2.12
TP ₄	4.01	32.69	4.96	27.73
TP ₅	4.82	32.55	5.22	27.33
TP ₆	3.21	30.54	4.80	25.74

At base of pipe and concrete -
ground level

PURE OIL GAS STATION SE CORNER
LONGWOOD RD. AND OLD ST AUGUSTINE
RD., CROSS CUT ON E END OF
PUMP FOUNDATION

N ON ST AUGUSTINE RD.

" " " "

" " " "

CONCRETE BASE AROUND WELL

S ON ST AUGUSTINE RD.

" " " "

" " " "

June 20, 1955

Duval Co.

Weather Hot
AND clear

(13)

Sta.	B.S.	HT	F.S.	Elev.
TBM		Tax. city datum 20.48		

TP ₁	0.61	21.09	5.98	15.11
TP ₂	6.15	21.26	0.21	21.05
W3509	5.71	26.76	2.76	24.00 + 2.12
TP ₃	1.39	25.39	7.65	14.64
TP ₄	6.97	21.61	1.12	20.49

Error of closure Δ 0.01'BM^{OIL} #3

5.24

TP ₁	3.71	8.95	3.06	5.89
W2558	5.33	11.22	4.19	7.03
TP ₂	4.19	11.22	4.84	6.38
TP ₃	2.78	9.16	3.91	5.25

Error of closure Δ = 0.01'

Cross-cut 0.40' S of N end and
0.21' W of E edge bottom conc.
step to 1-s frame res. Cross
is 417.80' S of N property line
of Lorimer and 148.0' W of W edge
of Kings Rd. pavement.
3200 Old St. Augustine Rd.

N on Old St. Augustine Rd.
E to wall.

S on Old St. Augustine Rd.

1 ft West of Petroleum testing
laboratory. U.S. Engineers OIL
SURVEY BM.

June 21, 1955 Duval County

Sta.	B.S.	H.I.	F.S.	Elev.
B.M.				33.55

TP ₁	5.39	38.94	6.48	32.46
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TP ₂	4.54	37.00	5.15	31.85
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TP ₃	5.81	37.66	4.12	33.54
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W 3361	4.35	32.89	7.12	30.77
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TP ₄	5.68	36.45	3.27	33.18
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TP ₅	4.81	37.99	5.03	32.96
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TP ₆	6.54	38.50	7.83	30.67
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TP ₇	8.27	38.94	5.41	33.53
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Error of closure Δ 0.02'

Weather - Hot

14

Clear.

Top. U.S. C.G. S. Sta. # B143. 707^{1/2}
N center intersection. Main St and
DURY Rd. and 25.5' W of center
Main St. pave. Mounted in headwall.
East through open field

East on Perry Rd. Well is 435[±] ft
E of intersection of Perry Rd. and
Gullispie St. and 140[±] ft south of
center of Perry Rd. Well elevation
at ground level.

W on Perry Rd., across open field,
and across Main St.

Sta. BS HI FS Elev.
TBM (County datum) 27.25

TP₁ 5.15 32.40 8.15 24.25
W 1.43 25.68 3.36 22.32 +2.12
TP₂ 7.46 29.78 2.53 27.25

15.
ON Cities Service sign foundation
NE corner Eastport Rd. & Rice Rd.
Cross cut on the SW Corner of
foundation.

W. ON Eastport Rd.
Concrete base around base of well

June 22, 1955 Duval

and clear

STA.	B.S.	H.I.	F.S.	Elev.
BM.				27.28

U.S. C and G.S. B.M. on south wall
of JAX Municipal Air Port Terminal.
W 75 yds and south to gate
SSW to pump house
Elevation of pump house floor
NNE at air port terminal

TP ₁	1.85	29.13	7.02	22.11
TP ₂	3.17	25.28	7.81	17.47
W 544	4.38	21.85	4.86	16.99
TP ₃	4.86	21.85	4.21	17.64
TP ₄	7.63	24.27	1.33	22.94
TP ₄	8.13	31.07	3.79	27.28

Error of closure $\Delta = 0.001$

BM G/49				89.30
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U.S. C & G.S. BM G/49, Brass
plate in E side of signal bldg.
near crossing of EWENS SAL tracks

TP ₁	1.89	91.19	4.55	86.64
TP ₂	4.56	91.20	5.63	85.57
W	5.05	90.62	3.69	86.93
TP ₃	5.53	92.46	4.21	88.25
TP ₄	4.36	92.61	3.32	89.29

Top of concrete base for well

Error of closure $\Delta = 0.01$

Sta.	B.S.	H.I.	F.S.	Elev
BM. F149				84.09
TP1.	4.89	88.98	4.97	84.01
W 659	5.40	89.41	3.97	84.44
TP2.	4.26	88.70	4.82	83.88
TP3.	4.93	88.81	4.72	84.09

Error of closure $\Delta = 0.00'$

U.S. C. & G. BM F149, A brass plate located 30 ft. SW of the SW cor. of the office bldg. At the Baldwin RR. Yard near power pole NW toward pumping house S.A.L. well.

SE toward B.M.

Allachua County - July 2, 1935

Sta.	BS.	H.I.	FS.	Elev.
BM				167.99

TP ₁	4.50	172.49	5.22	167.27
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TP ₂	3.41	170.68	7.51	163.17
-----------------	------	--------	------	--------

TP ₃	0.68	163.85	8.35	155.50
-----------------	------	--------	------	--------

W3334	5.05	160.55	4.93	155.62
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TP ₄	5.26	160.88	3.81	157.07
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TP ₅	11.59	168.66	1.89	166.77
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TP ₆	4.93	171.70	3.27	168.43
-----------------	------	--------	------	--------

TP ₇	5.12	173.55	5.55	168.00
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Error of Closure 4 0.01'

Located on E-end of first stair on N
entrance Benton Hall, University of
FLA., Gainesville. BM of U.S. C & G.
S-3

South on Newell Dr.

Road leading into Dairy Science
parking lot.

Ground elevation in front of pump-
house

North on Newell Dr.

East to Benton Hall.

July 3, 1955

Sta.	+B.S.	H.I.	-F.S.	Elev.
BM				135.93

TP ₁	3.24	139.17	4.75	134.42
TP ₂	12.00	146.42	2.61	143.81
TP ₃	8.87	152.68	0.30	152.38
TP ₄	5.49	157.87	5.64	152.23
TP ₅	2.85	155.08	5.50	149.58
TP ₆	0.25	149.83	11.40	138.43
W 2365	1.79	140.22	8.17	132.05
TP ₇	8.17	140.22	1.11	139.11
TP ₈	7.56	146.67	3.22	143.45
TP ₉	3.42	146.87	1.86	145.01
TP ₁₀	9.09	154.10	0.43	153.67
TP ₁₁	2.15	155.82	8.56	147.26
TP ₁₂	0.13	147.39	9.37	138.02
TP ₁₃	2.01	140.03	4.07	135.84

Error of closure $\Delta = .09$

University of Florida BM Located
ON NE Corner Reed Lab directly
behind the Engr. Bldg.

Official Residence

July 6, 1955
STA. +BS HI -FS ELEV.

BM 156.86

TP ₁	9.73	166.59	5.54	161.05
TP ₂	4.56	165.61	6.17	159.44
TP ₃	6.31	165.75	6.43	159.32
TP ₄	3.46	162.78	4.37	158.41
TP ₅	4.98	163.39	6.29	157.10
TP ₆	5.37	162.47	10.42	152.05
TP ₇	3.80	155.85	5.83	150.02
TP ₈	1.55	151.57	7.10	144.47
TP ₉	7.21	151.68	1.94	149.74
TP ₁₀	7.67	157.41	7.02	150.39
TP ₁₁	6.56	156.95	6.22	150.73
TP ₁₂	8.76	159.49	1.69	157.80
W	4.35	162.15	6.51	155.64

Weather - Hot
and Clear. 20

USC&GS STANDARD MARKER
set in CONC. MONUMENT. 1 ft.
S of S end of the Stone
gate to Austin Cary Memorial
Forest. Z 146

Road #12

11 11 11

11 11 11

11 11 11

Road #15

11 11 11

11 11 11

11 11 11

11 11 11

11 11 11

Sta.	+BS	HI	-FS	Elev.
TP13	6.51	162.15	5.41	156.74
TP14	3.17	159.91	2.12	158.79
TP15	8.68	167.47	4.60	162.87
TP16	2.01	164.88	5.63	159.25
TP17	1.08	160.33	10.29	150.09
TP18	2.64	152.73	9.33	143.40
TP19	5.41	148.81	4.60	144.21
TP20	6.20	150.41	2.40	148.01
TP21	7.61	155.62	3.74	151.88
TP22	9.57	161.45	4.51	156.94

ERROR OF CLOSURE = 0.08'

July 7, 1955 Alachua county

Sta.	B.S.	I.T.	F.S.	Elev.
BM VI				162.43

TP ₁	4.36	166.79	3.25	163.54
W	5.45	168.99	3.48	165.51
TP ₂	2.94	168.45	4.46	163.99
TP ₃	3.42	167.41	4.87	163.54

Error of closure $\Delta = 0.00'$

BM - U146				153.19
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TP ₁	5.01	158.20	4.04	154.16
W	4.06	158.22	6.11	152.11
TP ₂	5.28	157.39	6.74	150.65
TP ₃	4.78	155.43	2.24	153.19

Error of closure $\Delta = 0.00'$

Weather Hot
and clear

22

USC & GS Standard Plate. About 23 yds. S of Seaboard RR. station, about 10 yds. W of W rail, and about 10 yds E of E edge of pavement of Fla. 26 Highway, Fairbanks

NW cor. rd. past Beck's oil and Gas Sta.
Ground elevation

SE to Fla. 24

USC & GS Standard plate on N end of headwall, about 0.2 mi north of entrance to Sperry plant along Fla. 24, and 8 ft. E of E edge of highway

South on Highway

East on entrance rd. to Sperry plant.
Ground elevation

W on entrance rd. to Sperry plant.
N on Fla. 24

Sta.	BS.	H.I.	F.S.	Elev.
BM. - B35				172.8

W	6.16	178.96	3.81	175.15
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TP.	4.06	179.21	6.40	172.81
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Error of closure $\Delta = 0.01'$

23.
 U.S. C. & G. S. Standard Plate. About
 2.1 mi N of County Court House
 Along F/A. 24, 85 ft SSE of
 telephone pole, 37' E of center line
 of F/A 24, 32' W of center line SAL. RR.
 NE Along F/A. 24 to Cities Service
 Storage Depot

REMARKS

Clear & Hot

July 8 1955

Sta + BS HI - FS Elev.

TBM 176.18

South rim of man hole cover
 of sweetwater branch at the
 intersection of NE 2nd St &
 NE 10th Ave. to Setzer's Market

W 6.13 182.31 4.35 177.96

TP₁ 4.21 182.17 5.99 176.18

Error of closure = 0.00'

TBM 183.43

Property MON. corner of NE 7th St
 & NE 11th Ave. cross cut on top of
 CONC. MON.

TP₁ 5.70 189.13 5.08 184.05

W 4.82 188.87 4.83 184.04

TP₂ 4.83 188.87 5.22 183.65TP₃ 4.77 188.42 4.98 183.44Error of closure Δ = 0.01'

N ON 7th St.

W ON 12th Ave.

E ON " "

S ON 7th St.

Sta. +BS HI -FS Elev.

TBM 179.18

TP₁ 3.91 183.09 5.69 177.40

TP₂ 3.94 181.34 6.01 175.33

W 3/4 4.58 179.91 6.25 173.66

TP₃ 6.25 179.91 4.61 175.30

TP₄ 7.68 182.98 3.82 179.16

Error of closure $\Delta = 0.02'$

CORNER OF NE 23 BLVD. & NE 9th TER.
CONC. PROPERTY MARKER.

E ON 23rd Blvd.

" " " "

" " " "

W ON 23rd Blvd.

" " " "

Weather - Clear 26
And Hot.

July 9, 1955

Sta.	B.S.	H.I.	F.S.	Elev.
T-BM - W 3141				173.66

TP ₁	3.78	177.44	5.65	171.79
TP ₂	3.54	175.33	4.31	171.02
TP ₃	4.04	175.06	5.03	170.03
W	4.67	174.70	4.22	170.58

TP ₄	4.39	174.97	5.11	169.86
TP ₅	4.87	174.73	3.83	170.90
TP ₆	5.56	176.46	3.49	172.97
TP ₇	6.54	179.53	4.26	175.27
TP ₈	8.83	184.10	4.95	179.15

Error of closure = 0.03'

Remarks

TBM is ground elev. at S. side of
Moose Hall well (3141) located
on NE 23 Ave between NE 14 St.
and NE 15th St, Gainesville, Fla.
N on NE 14th St.

W at rd intersection 0.4 mi N
of NE 23rd St. to well
S through fields to NE 23rd St.

W on NE 23rd St to TBM at
corner of NE 23rd St. and NE 9th
Terr.

Sta	B.S.	H.I.	F.S.	Elev.
BM				186.86
TP ₁	4.14	191.00	6.17	184.83
TP ₂	4.42	188.41	4.97	183.44
W.	5.23	188.67	4.92	183.75
TP ₃	4.92	188.67	5.41	183.26
TP ₄	4.12	187.38	5.93	181.45
TP ₅	6.63	188.08	3.81	184.27
TP ₆	7.02	191.29	4.44	186.85

Error of closure $A = 0.01'$

Remarks.

Cross cut on top of curb SW corner,
NW 16th Ave and NW 10th St. - City
BM # 47

W on NW 16th Ave

S on NW 13th St.

W on NW 11th Ave. And N up
driveway to the W of the home
of TASSINARI

E on NW 14th Ave.

N on NW 10th St.

Remarks:

Hot & Clear

USC&GS Standard Marker #H146
located 19.3 W of ACL tracks at
the intersection of 16th Ave.
16.5 ft S of S curb of 16 Ave.

N along ACL Tracks

" " " "

Chemical plant well 7.7' S of Quonset

S along ACL tracks

" " " "

" " " "

July 11, 1955
Sta. +B.S. HI -FS Elev.
BM^H₁₄₆ 184.24

TP ₁	5.25	189.49	3.74	185.75
TP ₂	4.73	190.48	3.70	186.78
TP ₃	3.98	190.76	5.41	185.35
W	1.49	186.84	9.69	177.15
TP ₄	9.69	186.84	2.04	184.80
TP ₅	4.71	189.51	3.91	185.60
TP ₆	4.81	190.41	6.13	184.28

Error of closure = 0.04

Alachua County
July 12, 1955

STA.	B. S.	H. I.	F. S.	Elev.
TBM				68.64

TP1	5.17	73.81	7.73	66.08
TP2	5.02	71.10	6.27	64.83
W3/46	4.42	71.25	3.30	67.95

W3/52	3.30	71.25	2.77	68.48
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TP3	2.77	71.25	3.25	68.00
W3/45	11.06	79.06	3.29	75.77

TP4	3.29	79.06	2.11	76.95
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Weather - Hot
AND clear

29

Remarks

RR. spike in base of 20" Oak tree,
97' N of F/A 329, 350 E of
culvert along F/A 329 crossing
Bivans Arm, on hammock between
Bivans Arm and Green Pond, and
0.1 mi. E of intersection of
F/A 441 and F/A 329. Supply - McGriff-
County Surveyor

W on F/A 329

Well is located in low
cinder block well house east of
swimming and 125' ft north of
F/A 329 at Tom Sawyer Motel.
Well is capped and is 63 ft N from
the NE corner of the well house
SW on F/A 329

SE from intersection of F/A 329
and F/A 441 to well house 65
ft N of Motel Tabor and 200'
ft E of E edge of F/A 441
S. on F/A 441 to SW corner of
culvert to the W of Tabor Motel

July 14 Alachua County

STA.	+BS	HI	-FS	Elev.
TBM				76.95

TP ₁	8.10	85.05	0.88	84.17
TP ₂	6.39	90.56	11.83	78.73
TP ₃ (TBM)	3.83	82.56	10.38	72.18
TP ₄	2.21	74.39	6.10	68.29
TP ₅	4.35	72.64	3.30	69.34
TP ₆	3.68	73.02	4.14	68.88
TP ₇	6.48	75.36	6.92	68.44
W	8.81	77.25	5.03	72.22
TP ₈	5.03	77.25	0.06	77.19
W	7.32	84.51	4.39	80.12
TP ₉	4.39	84.51	3.72	80.79
TP ₁₀	1.82	82.61	4.97	77.64
TP ₁₁	0.33	77.97	4.21	73.76

SW CORNER of CULVERT located
W of TABOR Motel. Elevation
ESTABLISHED IN last level RUN.

S ON Florida 441

" " " "

" " " "

" " " "

" " " "

" " " "

W. ON Rocky Point ROAD.

G.E.C. well # 43 MI from U.S.

W. ON Rocky Point ROAD.

G.E.C. well # 38

W ON Rocky Point ROAD.

" " " "

NW ON Rocky Point ROAD

N ON Rocky Point ROAD

July 15, 1955

Alachua County

and clear.

Sta.	B.S.	H.I.	F.S.	Elev
TBM				73.76
TP12	11.93	85.69	0.65	95.04
TP13	10.22	95.26	0.87	94.39
TP14	10.08	104.47	0.84	103.63
TP15	10.34	113.97	0.91	113.06
TP16	10.36	123.42	0.58	122.84
TP17	10.84	133.68	4.86	128.82
TP18	10.29	139.11	10.13	128.98

N on Rocky Pt. Rd.

E on dirt road that is 2.1 mi
from Fla 441 along Rocky Pt.
Rd.

TP19	0.02	129.00	9.64	119.36
TP20	0.38	119.74	4.08	115.66
W	9.24	124.90	7.74	117.16

Well is about 150 ft S of dirt
road and 50 ft SW of the
SW corner of the home and
0.5 mi E of Rocky Pt. Rd.

Owned by Spinks. GEC-444

E on dirt road 1.0 mi

" " " "

" " " "

" " " "

N on dirt road - 0.2 mi

E on dirt road - 0.2 mi to Fla 441

N on Fla 441 to TP3 (72.18')

July 16, 1955

TP20	10.68	127.84	2.45	124.39
TP21	0.81	124.20	9.88	114.32
TP22	1.14	115.46	8.27	107.19
TP23	0.54	107.73	11.35	96.38
TP24	3.31	99.69	10.69	89.00
TP25	2.45	91.45	9.87	81.58
TP26	1.79	83.37	11.02	72.35

Error of closure = 0.17'

July 20, 1955 Alachua

 Hot & clear
& Dusty

Sta.	+BS	HI	-FS	Elev.
BM				135.70

 East rail of ACL Tracks opposite
Mile post 70 Formerly called
Mile post 66.

TP ₁	11.29	146.99	1.09	145.90
TP ₂	9.60	155.50	1.29	154.21
TP ₃	9.27	163.48	2.05	161.43
TP ₄	1.12	162.55	11.67	150.88
W	6.17	157.05	7.25	149.80
TP ₅	7.25	157.05	9.30	147.75
TP ₆	2.20	149.95	6.21	143.74
TP ₇	4.63	148.37	8.35	140.02
TP ₈	6.22	146.24	10.61	135.63

South through cow pasture

" " " "

" " " "

East through plowed field

" " " "

West through plowed field

" " " "

North West through cow pasture

" " " " "

ERROR OF closure = .07'

Sta.	+BS	HI	-FS	Elev.
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BM				144.70
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TP ₁	5.60	150.30	4.73	145.57
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TP ₂	0.59	146.16	9.73	136.43
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TP ₃	8.70	145.13	1.22	143.91
-----------------	------	--------	------	--------

July 21, 1955

TP ₄	8.37	152.28	2.01	150.27
-----------------	------	--------	------	--------

TP ₅	9.92	160.19	1.21	158.98
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TP ₆	10.89	169.87	1.10	168.77
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TP ₇	5.47	174.24	7.25	168.99
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TP ₈	5.25	173.24	2.03	171.21
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TP ₉	7.33	178.54	5.02	173.52
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TP ₁₀	3.74	177.26	4.35	172.91
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TP ₁₁	7.80	180.71	4.39	175.32
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TP ₁₂	3.38	178.70	5.49	173.21
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W	4.71	178.12	5.37	172.75
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TP ₁₃	5.37	178.12	4.42	173.70
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TP ₁₄	6.15	179.85	4.98	174.87
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East RAIL of ACI RAILROAD
Opposite Station House in
Sante Fe.

Power pole number 4 from west
side of TRACKS at Sante Fe.

Power pole number 8

Power pole number 10

Weather - hot and clear

Power pole Number 14

N into fields just past shack - 3.0
mi from town on Fla 236

Libby & Freeman Well #2

S through fields to Fla 236

Sta.	BS.	H.I.	F.S.	Elev.
TP14				174.87
TP15	4.68	179.55	7.02	172.53
TP16	5.32	177.85	6.41	171.44
TP17	3.97	175.41	3.76	171.65
TP18	4.38	176.03	8.42	167.61
TP19	5.70	173.31	10.18	163.13
TP20	2.78	165.91	7.44	158.47
TP21	4.08	162.55	6.86	155.69
TP22	1.26	156.95	11.49	145.46
TP23	2.43	147.89	9.91	137.98
TP24	8.75	146.73	1.36	145.37
TP25	4.18	149.55	5.21	144.34

Error of closure $\Delta = 0.31$

Δ of 6.5 miles

Remarks
E on Fla 236

N to RR station

July 21, 1955

Sta.	B.S.	H.I.	F.S.	Elev.
TBM				98.93
TP ₁	4.85	103.78	4.49	99.29
W 3551	0.77	100.01	7.54	92.47
TP ₂	6.24	98.71	3.80	94.91
TP ₃	8.12	103.03	4.09	98.94

Error of closure = 0.01'

Remarks

TBM is R.R. spike in center
of FIA 441 and dirt road leading
S from Spring Hill
N on dirt road.
E through open field to well
N of school bldgs. - Santa Fe H. S.
W through open field to dirt road.
S on road.

July 22, 1955 Alachua

County

Sta.	+BS	HI	-FS	Elev.
TBM				101.15

Spike in base of 12" Hickory tree
 Located at entrance of Hugh
 Simmons Home Starvation Hill.
 0.9 mile S. from Highway 20 on
 Graded county Rd.

TP ₁	2.39	103.54	1.83	101.71
TP ₂	11.80	113.51	0.16	113.35
TP ₃	11.22	124.57	2.06	122.51
TP ₄	10.96	133.47	0.34	133.13
TP ₅	11.67	144.80	0.21	144.59
TP ₆	10.90	155.49	2.46	153.03
W	8.66	161.69	2.62	159.07
TP ₇	5.32	164.39	3.45	160.94
TP ₈	5.55	166.49	2.01	164.48
TP ₉	2.48	166.96	8.56	158.40
W	2.41	160.81	4.88	155.93
TP ₁₀	6.03	161.96	2.11	159.85
TP ₁₁	1.09	160.94	11.80	149.14
TP ₁₂	0.43	149.57	10.61	138.96
TP ₁₃	1.52	140.48	11.96	128.52
TP ₁₄	0.11	128.63	11.41	117.22
TP ₁₅	0.77	117.99	10.69	107.30
TP ₁₆	1.31	108.61	7.56	101.05

ERROR OF CLOSURE = .10'

Home of Hugh Simmons

Home of Mr. Courtney

July 25, 1955 Alachua County
 STA. + BS HI - FS Elev.
 TBM 101.15

TP ₁	5.50	106.65	0.21	106.44
TP ₂	11.61	118.05	0.14	117.91
TP ₃	9.45	127.36	0.28	127.08
TP ₄	11.93	139.01	0.81	138.20
TP ₅	8.43	146.63	11.59	135.04
TP ₆	1.74	136.78	11.31	125.47
TP ₇	3.01	128.48	1.23	127.25
TBM	11.31	138.56	2.38	136.18
TP ₈	11.95	139.20	1.36	137.84
TP ₉	11.76	149.60	0.37	149.23
TP ₁₀	11.88	161.11	1.91	159.20
W	7.33	166.53	5.11	161.42
TP ₁₁	9.41	170.83	2.62	168.21
TP ₁₂	5.53	173.74	3.01	170.73
TP ₁₃	3.21	173.94	9.61	164.33
TP ₁₄	5.29	169.62	10.50	159.12
TP ₁₅	6.63	165.75	9.73	156.02
TP ₁₆	10.23	166.25	2.39	163.86

Hot & cloudy

Spike in base of a 12" Hickory tree located at entrance of Hugh Simmons Home, Starvation Hill. 0.9 miles S from Highway 20 on a graded county Rd.

N on graded county rd.

"	"	"	"
"	"	"	"
"	"	"	"
"	"	"	"
"	"	"	"

Conc. base City Service sign
 corner of US Highway 20 &
 County Rd NE corner

E on Fla 20

S into Hill Crest Trailer Park

E on Fla 20

S into Starvation Hill

"	"	"	"
"	"	"	"
"	"	"	"
"	"	"	"

Sta.	+BS	HI	-FS	Elev.
TP ₁₇	4.28	168.14	9.97	158.17
TP ₁₈	5.36	163.53	8.47	155.06
TP ₁₉	6.72	161.78	5.62	155.16

ERROR of closure = 0.77

Well of Mr. Courtney

July 26, 1955 Alachua County

Weather: Hot
and clear - Rain

39

Remarks:

Top of rail along S.A. RR opposite
rr station, High Springs.

N on paved road - 10th St.

" " " "

E on 7th Ave.

N on 5th St.

E on Fla 41

N on Fla 236

W into home of Mrs. Caraway.

E to Fla 236

S on Fla 236

W on 3rd St.

S on 7th Ave. to R.R. tracks

BM 69.10

TP1 5.28 74.38 6.43 67.95

TP2 10.97 78.92 9.23 69.69

TP3 0.81 70.50 4.56 65.94

TP4 5.49 71.43 3.54 67.89

TP5 2.31 70.20 5.22 64.98

TP6 4.97 69.95 8.51 61.44

TP7 8.75 70.19 0.47 69.72

TP8 3.88 73.60 6.34 67.26

W3/47 3.34 70.60 5.33 65.27

TP9 5.33 70.60 3.19 67.41

TP10 5.84 73.25 4.02 69.23

TP11 2.67 71.90 8.29 63.61

TP12 4.12 67.73 3.55 63.18

TP13 3.97 67.15 5.21 61.94

TP14 6.33 68.27 4.42 63.85

TP15 5.79 69.64 0.92 68.72

TP16 3.17 71.89 4.82 67.07

TP17 6.17 73.24 4.11 69.13

Error of closure $\Delta = 0.03'$

July 27, 1955 Alachua County

Sta.	B.S.	I.I.	F.S.	Elev.
BM -	BA21			188.00

TP ₁	5.01	193.01	2.89	190.12
TP ₂	5.43	195.55	3.83	191.72
TP ₃	5.58	197.30	3.87	193.43
TP ₄	2.29	195.72	4.99	190.73
W	4.90	195.63	4.69	190.94
TP ₅	4.69	195.63	3.64	191.99
TP ₆	4.41	196.40	3.34	193.06
TP ₇	2.98	196.04	4.81	191.23
TP ₈	3.09	194.32	4.27	190.05
TP ₉	2.94	192.99	4.96	188.03

Error of closure $\Delta = 0.03'$

About 2.5 mi N along Fla 23 from RR station in Paradise, on E side of 2nd curve north of Paradise 30.4 ft E of RR spike in center of highway. Standard disk set in concrete.

S on Fla 23

W into home of Mr Grubb, 1.2 mi S of B.M.

E to Fla 23

N on Fla 23 for 1.2 mi to BM

July 27, 1955

Sta.	B.S.	H.I.	F.S.	Elev.
BM - BC15				145.50

TP1	3.72	149.22	6.06	143.16
TP2	3.15	146.36	6.08	140.28
TP3	2.78	148.06	4.41	143.65
TP4	4.81	148.46	4.90	143.56
TP5	3.62	147.18	6.43	140.75
TP6	4.69	145.44	5.97	139.47
TP7	4.94	143.41	5.54	137.87
TP8	3.16	141.03	4.37	136.66
TP9	5.58	142.24	2.85	139.39
TP10	8.93	148.32	1.27	147.05
TP11	10.48	157.53	2.26	155.27
TP12 (TBM)	8.85	164.12	0.85	163.27

About 6.4 mi S along Fla 235 from
P.O. in Brooker, 95.2 ft S 74° E of
NE corner of H.E. Starling's home,
33 ft. W of center of Fla 235,
standard disk set in concrete.
S on Fla 235 for 0.4 mi

E on Fla 340 for 2.8 mi

Stake in side of road

July 28, 1955

Alachua

County

Weather: 42°

Hot & clear

Sta.	+BS	HI	-FS	Elev.
TP ₁₂ (TBM)				163.27
TP ₁₃	3.64	166.91	2.10	164.81
TP ₁₄	0.65	165.46	0.19	165.27
TP ₁₅	6.17	171.44	8.23	163.21
TP ₁₆	0.36	163.57	6.88	156.69
TP ₁₇	3.04	159.73	6.07	153.66
TP ₁₈	3.90	157.56	5.51	152.05
W	7.07	159.12	5.04	154.08
TP ₁₉	5.04	159.12	6.11	153.01
TP ₂₀	10.43	163.44	5.72	157.72
TP ₂₁	5.32	163.04	3.02	160.02
TP ₂₂	7.40	167.42	2.21	165.21
TP ₂₃	3.64	168.85	10.57	158.28
TP ₂₄	0.73	159.01	11.31	147.70
TP ₂₅	2.68	150.38	10.24	140.14
TP ₂₆	1.13	141.27	4.69	136.58
TP ₂₇	4.38	140.96	2.72	138.24
TP ₂₈	5.81	144.05	3.50	140.55
TP ₂₉	6.33	146.88	2.63	144.25
TP ₃₀	3.47	147.72	2.12	145.60

ERROR OF CLOSURE = 0.10'

East ON Fla. 340

" " " "

South ON DIRT Road to W. Thomas

" " " " " "

" " " " " "

" " " " " "

" " " " " "

Well at Wilmer Thomas

July 29, 1955 Alachua County

Remarks

Hot & Hazy

Sta.	B.S.	I.I.	F.S.	Elev
BM - BA13				168.20

About 46 ft SW of SW corner
of ACL RR. station at Hague, 150
ft E of center line of old Fla. 441.
241 ft S of N rail of main track
W along SAL RR. tracks
N on Fla. 327 for 2.0 mi from
RR tracks

TP ₁	1.01	169.21	10.28	158.93
TP ₂	0.59	159.52	9.84	149.68
TP ₃	6.70	156.38	0.58	155.80
TP ₄	9.03	164.83	2.46	162.37
TP ₆	2.75	165.12	8.63	156.49
TP ₆	1.72	158.21	11.19	147.02
TP ₇	7.98	155.00	3.10	153.90
TP ₈	2.16	156.06	11.64	144.42
TP ₉	7.98	152.40	7.36	145.04
TP ₁₀	6.81	151.85	7.60	144.25
TP ₁₁	4.88	149.13	5.11	144.02
W 3143	5.32	149.34	4.29	145.05
TP ₁₂	4.29	149.34	4.78	144.56
TP ₁₃	6.14	150.70	6.71	143.99
TP ₁₄	5.62	149.61	3.86	145.75
TP ₁₅	6.37	152.12	6.94	145.18
TP ₁₆	9.78	154.96	1.83	153.13
TP ₁₇	2.54	155.67	11.29	144.38
TP ₁₈	4.67	149.05	2.03	147.02
TP ₁₉	10.45	157.47	0.36	157.11

W on Fla 340 - dirt road for 0.5 mi

S on dirt road 0.4 mi to home of
S.B. Cullen.

E to well

N on dirt road 0.4 mi

E on dirt road for 0.5 mi

Sta.	B.S.	H.I.	F.S.	Elev.
TP20	8.74	165.85	3.27	162.58
TP21	1.17	163.75	10.92	152.83
TP22	10.02	162.85	3.23	159.62
TP23	11.84	171.46	3.22	168.24

Error of closure $\Delta = 0.04'$

July 29, 1955

Sta.	B.S.	H.I.	FS.	Elev.
BM - CA 24				

TP ₁	1.76		10.23	
TP ₂	4.79		1.94	
TP ₃	1.22		2.73	
TP ₄	11.28		6.96	
W 2966	3.21		4.47	
TP ₅	4.47		2.89	
TP ₆	7.44		10.81	
TP ₇	3.46		5.07	
TP ₈	6.13		4.92	
TP ₉	9.79		3.52	

ERROR of closure $\Delta =$

Unable to locate BM elevation
See page 77

About 0.4 mi SW Along Traxler to
High Springs road from the church in
Traxler, at pt. where rd turns S on
top of small hill, 23 ft W of center
line of road, and 5 ft. SE from
gate post.

E on dirt road for 0.4 mi

N on dirt road for 0.2 mi to
Traxler home

S on dirt road for 0.2 mi

W on dirt road to BM.

July 30, 1955 Alachua

County

Weather: 46.

Hot & Clear

Sta.	+BS	HI	-FS	Elev.
BM				98.60
TP ₁	0.53	99.13	8.41	90.72
TP ₂ (TBM)	2.54	93.26	10.15	83.11
TP ₃	9.51	92.62	6.99	85.63
TP ₄	3.40	89.03	5.50	83.53
TP ₅	9.18	92.71	0.21	92.50
TP ₆	9.36	101.86	0.44	101.42
TP ₇	6.32	107.74	10.43	97.31
TP ₈	2.80	100.11	5.39	94.72
TP ₉	9.10	103.82	3.21	100.61
TP ₁₀	7.44	108.05	1.82	106.23
TP ₁₁	11.95	118.18	1.29	116.89
TP ₁₂	11.50	128.39	0.73	127.66
TP ₁₃	10.10	137.76	1.18	136.58
TP ₁₄	10.90	147.48	0.28	147.20
TP ₁₅	11.62	158.82	0.43	158.39

8.2 Miles W along state highway 26 from the language hall on the University of Florida Campus. 100 ft W of sand Rd. leading to Rockyhill. 70' N of center line of highway, 21' W. of blazed hickory tree. Fla. Mapping Project. BA 37

E. ON Fla. 26

" " " " (Stake in ground)
N. INTO Fletcher Farm

July 30, 1955

Sta	+BS	HI	-FS	Elev.
TP15	11.62	158.82	0.43	158.39
TP16	11.90	170.29	0.45	169.84
TP17	11.85	181.69	0.18	181.51
TP18	11.40	192.91	3.26	189.65
W	6.79	196.44	4.24	192.20
TP19	4.24	196.44	11.51	184.93
TP20	1.07	186.00	11.94	174.06
TP21	0.23	174.29	11.97	162.32
TP22	0.46	162.78	10.83	151.95
TP23	0.41	152.36	11.72	140.64
TP24	1.13	141.77	11.91	129.86
TP25	0.82	130.68	10.02	120.66
TP26	0.02	120.68	11.54	109.14
TP27	1.21	110.35	11.22	99.13
TP28	3.27	102.40	8.67	93.73
TP29	2.48	96.21	10.04	86.17
TP30	5.43	91.60	10.83	80.77
TP31	9.62	90.39	2.08	88.31
TP32	11.80	100.11	1.60	98.51

Error of closure = 0.09'

Fletcher Well

Weather - Hot

48-

and Clear

Aug 4, 1955

Alachua County

Sta	BS-	H.T.	ES.	Elev.
TBM	(TP ₂)			83.11

TP ₁	11.99	95.10	1.02	94.08
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TP ₂	7.12	101.20	7.26	93.94
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W	5.83	99.77	3.86	95.91
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TP ₃	3.86	99.77	2.14	97.63
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TP ₄	10.74	108.37	1.30	107.07
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TP ₅	12.00	119.07	1.51	117.56
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TP ₆	6.15	123.71	7.06	116.65
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TP ₇	2.62	119.27	1.35	117.92
-----------------	------	--------	------	--------

TP ₈	11.11	129.03	2.19	126.84
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TP ₉	9.84	136.68	1.19	135.49
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TP ₁₀	11.28	146.77	1.14	145.63
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TBM		146.77	9.99	136.78
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TP ₁₁	9.00	154.63	1.98	152.65
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TP ₁₂	7.43	160.08	2.29	157.79
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TP ₁₃ (TBM)	7.52	165.31	1.91	163.40
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Along Fla 26 at entrance to
Fletcher farm
E on Fla 26

S to well at Fletcher Jr home 0.75 mi
NE to Fla 26
E on Fla 26

W end of culver 0.45 mi W of negro
church

State Road Dept. R/W monument along
Fla 26 in front of Fort Clark Baptist
Church, 2.2 mi E of BM-BA37

Weather: 49

Hot & Clear.

Alachua County

August 2, 1955
Sta +BS HI -FS Elev.

TBM 163.40

TP ₁	1.33	164.73	8.65	156.08
W	4.89	160.97	4.21	156.76
TP ₂	4.21	160.97	0.39	160.58
TP ₃	10.34	170.92	7.51	163.41

TBM 136.78

TP ₁	11.95	148.73	1.15	147.58
TP ₂	11.32	158.90	0.91	157.99
TP ₃	5.47	163.46	4.14	159.32
W	5.21	164.53	5.15	159.38
TP ₄	5.15	164.53	4.96	160.57
TP ₅	3.01	163.58	10.41	153.17
TP ₆	0.60	153.77	11.84	141.93
TP ₇	2.22	144.15	7.40	136.75

ERROR of closure = .03'

State Road Dept. RW MONUMENT
ALONG Highway 26 IN FRONT OF
FORT CLARK Baptist Church. 2.2
mi. E OF BA 37

Buckley Stock Pen Well. GEC#20

ERROR of closure = 0.01'

W end of culvert 0.45 mi. W
of Negro church

Buckley Well at BARN. GEC#15

Sta.	+BS	HI	-FS	Elev.
TBM				163.40

TP ₁	0.52	163.92	12.00	151.92
TP ₂	0.64	152.56	11.75	140.81
TP ₃	1.50	142.31	10.20	132.11
TP ₄	1.39	133.50	6.18	127.32
TP ₅	11.94	139.26	1.33	137.93
TBM	11.94	139.26	9.41	130.25

TP ₆	10.22	148.25	4.01	144.24
W	1.99	146.23	8.61	137.62
TP ₇	8.61	146.23	6.17	140.06
TP ₈	2.87	142.93	9.46	133.47
TP ₉	3.19	136.66	6.40	130.26

ERROR of Closure = 0.01

TBM				130.25
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TP ₁	8.30	138.55	7.84	130.71
TP ₂	0.85	131.56	8.73	122.83
TP ₃	3.37	126.20	4.80	121.40
TP ₄	3.08	124.48	6.11	118.37

State Rd. Dept R/W MONUMENT
IN FRONT OF FORT CLARK Church
ON Highway 26.

Telephone pole N Side of Highway
26 IN FRONT OF Buckley Home
.7 mi FROM Ft. CLARK Church.
Buckley home well.

Telephone pole N side of Highway
26 IN FRONT OF Buckley Home

Sta.	+BS	HI	-FS	Elev.
TP ₅	2.46	120.83	9.15	111.68
TBM	6.75	118.43	10.59	107.84

Telephone pole ON S side OF
 Highway 26 ABOUT 200' SE
 OF West hills HOUSING SIGN.
 2mi E. OF FT. CLARK CHURCH.

Aug 3, 1955

Alachua County

Weather - Hot

52

and clear

Sta.	B.S.	H.I.	F.S.	Elev.
TBM				107.84

TP ₁	2.11	109.95	11.03	98.92
TP ₂	0.59	99.51	10.21	89.30
TP ₃	1.07	90.37	2.87	87.50
TP ₄	10.11	97.61	0.70	96.91
TBM		97.61	10.95	86.66

TP ₅	9.08	105.99	1.62	104.37
TP ₆	9.20	113.57	1.91	111.66
TP ₇	3.74	115.20	10.04	105.16
TP ₈	1.35	107.51	10.59	96.92
TP ₉	0.61	97.53	10.96	86.57
TP ₁₀	1.55	88.12	11.74	76.38
TP ₁₁ (TBM)	0.26	76.64	4.78	71.86

corrected elev. 73.01

TP ₁₂	5.13	78.14	10.69	67.45
TP ₁₃	9.14	76.59	8.38	68.21
W	4.92	73.13	6.89	63.24
TP ₁₄		73.13	4.61	68.52
W	0.29	68.81	5.71	63.10

Telephone pole on S. side of Fla 26, about 200' SE of West Hills housing sign. 2.0 mi E of Fort Clark church.
E on Fla 26

4th Telephone pole E along Fla 26 from home of L Jones.

At base of sign ft. NW of intersection of Fla 26 and Mill Apple Rd

WSW on University Ave.

S on SW 41st St., GEC # 16

W on SW 2nd Ave. GEC # 19

Sta.	B.S.	H.I.	F.S.	Elev.
TP15		68.81	7.56	61.25
W	2.06	63.31	2.57	60.74
TP16	2.57	63.31	2.43	60.78
TP17	7.83	68.61	0.52	68.09
TP18	6.39	74.48	5.97	68.51
TP19	8.11	76.62	7.83	68.79
TP20	6.44	75.23	8.07	67.16
TP21	9.72	76.88	3.93	72.95

Error of closure $\Delta = 0.06'$

W along SW 2nd Ave

SW across Clear Lake GEC #13

E along SW 2nd Ave.

N on SW 41st St.

E on University Ave.

W on Fla. 26

August 4 Alachua				
Sta	+BS	HI	-FS	Elev.
TBM				84.66
TP ₁	9.28	93.94	3.96	89.98
W 3/40	5.82	95.80	2.31	93.49
TP ₂	2.31	95.80	9.41	86.39
TP ₃	3.76	90.15	5.47	84.68

ERROR of Closure = 0.02

TBM				71.86
TP ₁	6.72	78.58	0.85	77.73
TP ₂	11.85	89.58	0.43	89.15
TP ₃	11.65	100.80	0.31	100.49
TP ₄	11.04	111.53	0.39	111.14
BM	11.95	123.09	5.85	117.24

County

Hot & clear

4th telephone pole E on highway
26 from mailbox of L. Jones.

Home of L. Jones

At base of sign at intersection
of highway 26 & mill hopper Rd.

August 4

Alachua

County

Sta	+BS	HI	-FS	Elev
TBM				73.01
TP ₁	5.82	78.83	1.74	77.09
TP ₂	3.89	80.98	0.25	80.73
TP ₃	11.95	92.68	0.81	91.87
TP ₄	11.71	103.58	0.58	103.00
TP ₅	10.34	113.34	0.62	112.72
TP ₆	11.90	124.62	0.19	124.43
TP ₇	10.48	134.91	2.45	132.46
TP ₈	7.50	139.96	11.62	128.34
W	3.46	131.80	5.29	126.51
TP ₉	5.29	131.80	4.47	127.33
TP ₁₀	1.17	128.50	10.25	118.25
TP ₁₁	0.58	118.83	11.61	107.22
TP ₁₂	1.45	108.67	11.92	96.75
TP ₁₃	1.39	98.14	10.21	87.93
TP ₁₄	4.06	91.96	8.73	83.23
TP ₁₅	2.44	85.67	10.34	75.33
TP ₁₆	2.92	78.25	5.19	73.06

At base of sign at intersection
of highway 26 & Millhopper Rd.

Home of Mr. Black

Error of closure = 0.008'

Aug 5, 1955 Alachua County

Weather - Hot 57
and clear

Sta.	BS.	H.I.	FS.	Elev.
BM	W50			76.66

TP ₁	5.64	82.30	4.44	77.86
TP ₂	4.92	82.78	10.52	72.26
TP ₃	7.23	79.49	1.55	77.94
W	8.87	86.81	6.19	80.62
TP ₄		86.81	10.94	75.87
TP ₅	3.38	79.25	10.29	68.96
TP ₆	7.57	76.53	1.09	75.44
TP ₇	9.58	85.02	5.24	79.78
TP ₈	2.37	82.15	3.83	78.32
TP ₉	3.72	82.04	2.65	79.39
TP ₁₀	5.68	75.07	2.16	72.91
TP ₁₁	3.64	76.55	3.55	73.00
TP ₁₂	8.58	81.58	1.31	80.37
TP ₁₃	9.26	89.63	0.76	88.87
TP ₁₄	6.22	95.09	7.16	87.93
W.	4.08	92.01	6.11	85.90
TP ₁₅		92.01	3.70	88.31
TP ₁₆	5.20	93.51	6.92	86.59
TP ₁₇	2.58	89.17	8.87	80.30

SW corner of N part of ACL RR station, Newberry, 38 ft N of N side station, about 50 ft W of W rail of N-S track.

S along RR tracks - 0.2 mi

E along Fla 26 - 0.5 mi

E along old Fla 26 - 0.3 mi to well at home of Mrs. Holt.

NE along old Fla 26

E along Fla 26

S on dirt road 1.8 mi E of Fla 26 and 27 intersection

Well is 0.9 mi along dirt road - Gravelly E and dirt rd in front of Gravelly home 1/4 mi and S 1/4 mi

Sta.	BS.	H.T.	F.S.	Elev.
TP18	2.36	82.66	0.65	82.01
TP19	8.58	90.29	2.93	87.36
W	9.68	96.04	3.35	92.69
TP20	5.73	98.42	7.05	91.37
TP21	2.67	94.04	4.31	89.73
TP22	4.92	94.65	6.53	88.12
TP23	3.46	91.58	5.80	86.78
TP24	4.48	91.26	5.65	85.61
TP25	7.18	92.79	6.43	86.36
TP26	6.72	93.08	4.21	88.87
TP27	3.58	92.45	7.46	84.99
TP28	1.26	86.25	8.29	77.96
TP29	2.73	80.69	6.40	74.29
TP30	3.86	78.15	5.56	72.59
TP31	8.43	81.02	7.61	73.41
TP32	5.96	79.37	2.83	76.54
TP33	4.45	80.99	7.69	73.30
TP34	3.30	76.60	6.96	69.64
TP35	8.71	78.35	3.27	75.08
TP36	7.25	82.33	1.98	80.35
TP37	4.18	85.53	6.74	78.79
TP38	0.46	79.25	5.66	73.59
TP39	8.27	81.86	4.54	77.32

Well of L.B. Gravelly in tobacco field
W across tobacco field

Salong dirt road to Fla 26

W along Fla 26

Sta	BS.	HI.	FS.	Elev.
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TP39				77.32
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TP40	4.26	81.58	5.49	76.09
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Error of closure $\Delta = 0.57'$

Δ of 6 mi

S along RR tracks to BM

August 8, 1955 Alachua County

Weather 60,
Hot & clear

Sta. +BS HI -FS Elev

BM 88.60

TP₁ 1.35 89.95 1.13 88.82TP₂ 7.35 96.17 2.68 93.49TP₃ 2.03 95.52 9.62 85.90TP₄ 0.46 85.44 10.48 74.96TP₅ 2.21 77.17 1.45 75.72TP₆ 5.12 80.84 5.21 75.63

W2746 11.44 87.07 3.39 83.68

TP 10.51 94.19 2.66 91.53

TP 5.21 96.74 11.01 85.73

TP 2.76 88.49 10.89 77.60

TP 5.42 83.02 2.17 80.85

TP 8.37 89.22 5.07 84.15

TP 7.63 91.78 3.25 88.53

ERROR of closure = 0.07'

Intersection of A.C.L. & S.A.L.
RR TRACKS IN Archer. Top of
RAIL.Home of C.T. Farley, 1.5 mi N of
Archer on Fla 45

Aug 9, 1955

Alachua County

Sta.	B.S.	H.I.	F.S.	Elev.
BM-C6				73.50

TP1	5.61	79.11	4.74	74.37
TP2	3.29	77.66	4.98	72.68
TP3	7.49	80.17	1.84	78.33
W	10.44	88.77	3.59	85.18
TP4	3.59	88.77	8.49	80.28
TP5	1.88	82.16	8.45	73.51
TP6	5.26	78.77	3.65	75.12
TP7	5.76	80.88	6.38	74.50
TP8	4.27	78.77	5.93	72.84
W	4.80	77.64	4.93	72.71
TP9	4.93	77.64	1.96	75.68
TP10	5.71	81.39	4.27	77.12
TP11	9.51	86.63	4.41	82.22
BM Q1				82.05

Error of closure $\Delta = 0.17'$

Remarks

Weather - Hot
and clear

61

About 4.3 mi S along Fla 24 from
court house, Gville, on S shoulder of
old highway, about 300 yds W of Days
ville freight sta., 30.7 ft N of N
rail of S.A.L. RR., 16.5 ft S. of center
line of highway, a standard disk.
W on Fla 24 for 0.7 mi to
home of Ahreno

N to home of J. P. Ahreno.
E on Fla 24 for 0.8 mi

N into Archer Village.

S across Airport.

S across Fla 24 to BM Q1
0.1 mi E of BM C-6 along RR
tracks, by power pole

Aug 10, 1955

Alachua

County

Weather 62
Hot & Clear

Sta.	BS.	HT.	FS.	Elev.
BM - B30				145.70

TP ₁	4.17	149.87	9.27	140.60
W2041	7.25	147.85	4.79	143.06
TP ₂	4.79	147.85	3.74	144.11
TP ₃	6.67	150.78	5.10	145.68

ERROR of closure = 0.02

BM	BA33			118.36
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TP ₁	11.58	129.94	2.17	127.77
TP ₂	11.51	139.28	0.93	138.35
TP ₃	11.79	150.14	1.74	148.40
TP ₄	11.60	160.00	1.82	158.18
TBM	8.79	166.97	2.04	164.93
TP ₅	11.40	176.33	9.20	167.13
TP ₆	3.21	170.34	10.85	159.49
TBM	9.17	168.66	4.95	163.71

TBM	9.17	168.66	8.25	160.41
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Remarks

Intersection E Depot St. and
SE 7th St., 10 AS of S.A.L. RR. Tracks
17 N centerline of E Depot St., 19
ft. W centerline of SE 7th St.

Black Lab. well

3.1 miles west along Fla 26 from
UNIVERSITY. intersection of old Fla
26 and mill hopper road. 17' S
of power pole 646.

pole #5 mill hopper Road. 7 mi from 26

power pole NW CORNER intersection
mill hopper & Glen springs Rds.
3RD power pole E of intersection #3

Sta	+BS	HI	-FS	Elev.
TP ₆				159.49
TP ₇	6.35	165.84	8.64	157.20
TP ₈	1.20	158.40	3.86	154.54
W.	5.85	160.39	5.20	155.19
TP ₉	5.20	160.39	3.71	156.68
TP ₁₀	8.23	164.91	3.60	161.31
TP ₁₁	4.29	165.60	1.87	163.73

ERROR of closure = 0.02'

TBM 160.41

TP ₁₂	4.82	165.23	8.06	157.17
W 3144	8.32	165.49	2.80	162.69
TP ₁₃	2.80	165.49	4.01	161.48
TP ₁₄	5.61	167.09	6.70	160.39

ERROR of closure = 0.02'

home of DR. Ford G.E.C. #29
.7 mile W of mill hopper Road
on Glen. Springs Road.

power pole #3, 3RD pole from
intersection of mill hopper Road
& Glen Springs Road.

home of ollie Briggs. .6 mi E of
Mill hopper Road ON Glen Springs
Road.

Sta.	+BS	HI	-FS	Elev.
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TBM				160.41
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TP ₁₅	3.01	163.42	8.26	155.16
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TP ₁₆	1.20	156.36	10.82	145.54
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TP ₁₇	1.75	147.29	10.62	136.67
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TP ₁₈	0.22	136.89	11.59	125.32
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TP ₁₉	3.85	128.67	9.43	119.24
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TP ₂₀	4.07	123.31	4.99	118.32
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ERROR of closure = 0.01'

Aug 11, 1955

Alachua County

Sta.	B.S.	H.I.	F.S.	Elev.
TBM				179.18

TP ₁	4.24	183.42	2.14	181.28
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W	7.05	188.33	5.02	183.31
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TP ₂	5.02	188.33	6.89	181.44
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TP ₃	4.32	185.76	6.57	179.19
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Error of closure $\Delta = 0.01'$

BM #79				157.90
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TP ₁	4.25	162.15	8.64	153.51
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TP ₂	0.52	154.03	5.97	148.06
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W	4.49	152.55	6.86	145.69
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TP ₃	6.86	152.55	4.73	147.72
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TP ₄	8.27	155.99	3.34	152.65
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BM - BH 45				152.60
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Error of closure = 0.05'

Remarks

Weather. Hot

65.

and clear

Conc. property monument, SW corner of NE 23rd Ave and NE 9th Terr. W on NE 23rd Ave.

S on NE 7th St to home of Oscar Servin, 2115 NE 7th St.

N on NE 7th St.

E on NE 23rd St.

SE cor. of conc. slab at Burtons Store. E University Ave and NE 14th St., Gville - City BM #79 E on Fla 26

N on NE 20th St to home of Leary S on NE 20th St.

W on Fla 26

About 1.6 mi E of courthouse, Gville, along Fla 26, 0.2 mi E of intersection of Fla 26 and 20, 38' N of center line highway, about 20' W of NE 17th St.

August 12, 1955 Alachua County

Hot & clear

Sta.	+BS	HI	-FS	Elev.
BM	BH46			124.00
TP ₁	3.50	127.50	7.59	119.91
TP ₂	4.16	124.07	2.65	121.42
W	5.52	126.94	3.86	123.08
TP ₃	3.86	126.94	5.52	121.42
TP ₄	1.63	123.05	8.19	114.86
TP ₅	0.96	115.82	9.12	106.70
TP ₆	0.47	107.17	4.50	102.67
W	5.53	108.20	6.50	101.70
TP ₇	6.50	108.20	3.18	105.02
TP ₈	10.41	115.43	5.67	109.76
TP ₉	11.72	121.48	3.22	118.26
TP ₁₀	4.47	122.73	3.89	118.84
TP ₁₁	9.19	128.03	5.56	122.47
TP ₁₂	3.33	125.80	2.94	122.86
TP ₁₃	7.26	130.12	6.09	124.03

ERROR of closure = 0.03'

3.25 miles E along highway 26
from the court house in Gainesville,
534' E of a dirt cross road, 35
South of & of highway.

home of R.C. Deen SE 42nd. St.

home of W.R. Owens

August 12, 1955

Sta +BS HI -FS Elev

BM BH 51 90.80

TP ₁	1.62	92.42	5.55	86.87
TP ₂	0.02	86.89	8.95	77.94
TP ₃	4.11	82.05	3.90	78.15
TP ₄	3.68	81.83	8.25	73.58
W	8.33	81.91	6.71	75.20
TP ₅	6.71	81.91	2.61	79.30
TP ₆	9.27	88.57	5.43	83.14
TP ₇	6.55	89.69	2.03	87.66
TP ₈	11.48	99.14	8.30	90.84

ERROR OF closure = 0.04'

6.2 miles E along highway 26 from the Court House in Gainesville. 0.15 miles N of house with galvanized roof. 30.5' E of C of highway. 2.4' W of a fence line. F.M.P. 1937

home of Mr. Schmidt. 0.6 mi. SE of highway 26. 1.75 miles from highway intersection

Aug 16, 1955

Alachua County

Sta.	B.S.	H.I.	F.S.	Elev.
BM	BH51			90.80
TP1	0.54	91.34	9.24	82.10
TP2	0.52	82.62	6.93	75.69
TP3	9.18	84.87	2.60	82.27
TP4	6.75	89.02	4.61	85.41
TP5	7.66	93.07	2.77	90.30
TP6	5.69	95.99	4.62	91.37
TP7	6.04	97.41	2.31	95.10
TP8	7.25	102.35	4.88	97.47
TP9	9.24	106.71	1.86	104.85
TP10	7.91	112.76	2.75	110.01
TP11	7.87	117.88	4.39	113.49
TP12	5.42	118.91	7.28	111.63
TP13	3.34	114.97	9.63	105.34
TP14	7.95	113.29	8.07	105.22
TP15	9.04	114.26	5.12	109.14
W	5.08	114.22	5.06	109.16
TP16	5.06	114.22	4.83	109.39
TP17	6.18	115.57	5.32	110.25
TP18	2.66	112.91	7.39	105.52
TP19	4.72	110.24	3.09	107.15
TP20	8.60	115.75	3.54	112.21
TP21	5.52	117.73	6.06	111.67
TP22	1.42	113.09	8.58	104.51

Weather - Hot
and clear

68

Remarks

See p. 67

N on Fla 24 for 0.5 mi

W on dirt road for 1.8 mi to
Rosa Patrick homeG.E.C. #34 - Home of Rosa Patrick G.E.C. #34
SE on dirt road for 1.8 mi to Fla 24

Sta.	B.S.	H.I.	F.S.	Elev.
TP23	2.59	107.10	8.63	96.47
TP24	4.71	101.18	6.55	94.63
TP25	5.12	99.75	4.96	94.79
TP26	2.46	97.25	7.63	89.62
TP27	4.75	94.37	6.68	87.69
TP28	3.05	90.74	7.99	82.75
TP29	0.87	83.62	6.31	77.31
TP30	9.94	87.25	2.48	84.77
TP31	8.50	93.27	2.59	90.68

Error of closure $A = 0.12'$

Sum Fla. 24 for 0.5 mi

Aug 17, 1955

Alachua County

Sta	BS	HI	F.S.	Elev.
BM	BA 16			180.40

TP1	4.64	185.04	5.90	179.14
TP2	6.35	185.49	1.65	183.84
TP3	6.90	190.74	3.27	187.47
W	7.19	194.66	5.91	188.75
TP4	2.25	191.00	4.63	186.37
TP5	1.39	187.76	5.20	182.56
TP6	3.47	186.03	5.69	180.34

Error of Closure = .06'

Weather - Hot & Clear

7.9 miles N along the AGL Railroad from Gainesville. 500 ft. E of the E end of the road guard rail over an eight ft. culvert. 65 ft. NE of the centerline of state Highway 441 (old Highway).

W is .9 mile SE on U.S. 441 across grade crossing. House is 2.5 miles NW along U.S. 441 from intersection of U.S. 441 & Fla. 23. Home of G. Agfabrick GEC#47

Aug 17, 1955

Alachua

Obj	BS	HI	F.S.	Elev.
BM				186.86
TP ₁	4.53	191.39	6.07	185.32
TP ₂	4.69	190.01	4.10	185.91
TP ₃	6.82	192.73	4.65	188.08
TP ₄	4.05	192.13	9.40	182.73
TP ₅	1.05	183.78	11.99	171.79
TP ₆	0.82	172.61	2.74	169.87
TP ₇	9.40	179.27	10.05	169.22

Weather - Clear & Hot

Cross cut on top of curb SW corner
NW 16th Ave and NW 10th St. City BM
#47. In Gainesville, Fla.

TP₁ W on NW 16th Ave.

TP₂ N on 13th St.

TP₅ Continuing N down 13th St.

Temp. BM SW corner of S end of culvert
at corner of 13th St and 32nd Ave.

Aug 18, 1955 Alachua County				
Sta.	B.S.	H.T.	F.S.	Elev.
TP ₇ (TBM)				169.22
TP ₈	2.52	171.74	11.23	160.51
TP ₉	1.95	162.46	10.47	151.99
TP ₁₀	2.01	154.00	11.44	142.56
TP ₁₁	11.58	154.14	0.26	153.88
TP ₁₂	11.43	165.31	1.15	164.16
W	7.01	171.17	3.76	167.41
TP ₁₃		171.17	1.55	169.62
W 3153	8.12	177.74	5.31	172.43
TP ₁₄	5.31	177.74	7.62	170.12
TP ₁₅	2.48	172.60	9.76	162.84
TP ₁₆	1.37	164.21	10.08	154.13
TP ₁₇	0.92	155.05	8.83	146.22
TP ₁₈	7.32	153.54	1.41	152.13
TP ₁₉	9.64	161.77	0.74	161.03
TP ₂₀	11.28	172.31	2.45	169.86
TP ₂₁	7.25	177.11	3.94	173.17
TP ₂₂	8.36	181.53	2.44	179.09
TP ₂₃	10.84	189.93	1.32	188.61
TP ₂₄	5.07	193.68	7.52	186.16
TP ₂₅	4.62	190.78	5.17	185.61
TP ₂₆	5.43	191.04	4.36	186.68

Error of closure $\Delta = 0.18'$

Remarks

and clear

N on NW 13th St.

Well of F. Johnson. GEC #50

Well at Richland Heights Motor Court.
S on NW 13th St. to NW 16th Ave

E on NW 16th Ave to NW 10th St

Aug 18, 1955

Sta.	B.S.	H.I.	F.S.	Elev.
PTS-59				113.86
TP1	8.13	121.99	5.72	116.27
TP2	1.48	117.75	9.36	108.39
TP3	3.24	111.63	7.41	104.22
TP4	3.18	107.40	9.55	97.85
TP5	3.37	101.22	9.54	91.68
TP6	2.78	94.46	5.81	88.65
TP7	4.71	93.36	6.00	87.36
TP8	3.75	91.11	5.39	85.72
TP9	5.78	91.50	2.74	88.76
TP10	7.61	96.37	5.56	90.81
W	5.63	96.44	4.89	91.55
TP11	4.89	96.44	5.02	91.42
TP12	5.46	96.88	7.20	89.68
TP13	3.93	93.61	6.75	87.86
TP14	4.17	92.03	6.78	85.25
TP15	5.94	91.19	2.02	89.17
TP16	6.85	96.02	2.44	93.58
TP17	9.61	103.19	1.88	101.31
TP18	8.65	109.96	3.28	106.68
TP19	9.34	116.02	2.00	114.02
TP20	5.11	119.13	5.16	113.97

Error of closure $\Delta = 0.11'$

Remarks

At N end of Windsor, 40 ft NE
of three corners, "T" road E, 3 ft
NW of tree at corner of fence.
S on Fla 234 for 2.35 mi

W to home of D. Surrency
N on Fla 234 to P.T.S.

Aug 19, 1955

Alachua County

Sta.	B.S.	HI	F.S.	Elev.
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PTS - 58				170.66
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TP ₁	7.42	178.08	2.35	175.73
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TP ₂	3.87	179.60	7.50	172.10
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TP ₃	5.33	177.43	5.72	171.71
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TP ₄	4.07	175.78	5.89	169.89
-----------------	------	--------	------	--------

TP ₅	7.05	176.94	3.08	173.86
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TP ₆	5.47	179.33	6.48	172.85
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TP ₇	3.34	176.19	9.19	167.00
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TP ₈	1.75	168.75	9.36	159.39
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TP ₉	2.43	161.82	7.51	154.31
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Temp BM	5.80	160.11	4.40	155.71
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TP ₁₀		160.11	8.34	151.77
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TP ₁₁	3.05	154.82	3.07	151.75
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TP ₁₂	9.20	160.95	0.21	160.74
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Weather - Clear & Hot

3.6 miles S.E. from center of Waldo. About 80 ft. SE of secondary road crossing and 12 ft. S. of S.W. corner of "Free Canon Methodist Church."

W on dirt road.

0.55 miles out to paved road

.20 mile N.W. on paved road

N.E. along secondary dirt road for 1.4 miles.

" "

" "

" "

" "

SW corner of W end of steel bridge across Santa Fe Canal

Stake set .4^m mile NE from Santa Fe canal bridge.

Aug 20, 1955

Alachua County

Remarks

TP12				160.74
TP13	6.48	167.22	3.09	164.13
TP14	6.31	170.44	2.84	167.60
TP15	5.47	173.07	4.56	168.51
TP16	5.42	173.93	6.95	166.98
TP17	3.41	170.39	3.96	166.43
TP18	3.52	169.95	1.20	168.75
W	5.95	174.70	4.72	169.98
TP19		174.70	4.96	169.84
TP20	3.37	173.21	11.13	162.08
W	2.41	164.49	5.98	158.51
TP21	5.98	164.49	0.73	163.76
TP22	10.81	174.57	4.37	170.20
TP23	3.84	174.04	5.23	168.81
TP24	4.47	173.28	6.11	167.17
TP25	3.65	170.82	5.99	164.83
TP26	6.38	171.21	4.14	167.07
TP27	5.81	172.88	4.65	168.23
TP28	2.56	170.79	6.90	163.89
TP29	3.05	166.94	4.77	162.17
TP30	0.12	162.29	10.48	152.21
TP31	3.87	156.08	4.36	151.72
TP32	4.93	156.65	2.23	154.42
TP33	5.38	159.80	3.42	156.38
TP34	8.37	164.75	2.81	161.94

E on dirt road for 1.15 mi

Home of Rod Reese GEC #22

Non dirt road for 0.25 mi

E on dirt road for 0.2 mi

Home of J.E. Baker GEC #21

W on dirt road for 0.2 mi

S on dirt road for 0.25 mi

W on dirt road for 1.15 mi

S on dirt road for 1.4 mi

Sta.	B.S.	H.I.	F.S.	Elev.
TP35	8.76	170.70	2.46	168.24
TP36	5.45	173.69	3.08	170.61
TP37	6.72	177.33	4.30	173.03
TP38	3.94	176.97	6.81	170.16
TP39	5.13	175.29	3.44	171.85
TP40	4.68	176.53	4.37	172.16
TP41	6.85	179.01	4.80	174.21
TP42	3.28	177.49	6.19	171.30

Error of closure $\Delta = 0.64'$

Sta.	B.S.	H.I.	F.S.	Elev.
E 147				153.05
W	5.17	158.22	3.74	154.48
TP1	4.09	158.57	5.51	153.06

Error of closure $\Delta = 0.01'$

Remarks

SE on paved road for 0.2 mi
SSE on dirt road for 0.55 mi to church

Remarks.

NE corner of E end of culvert,
27.5 ft S of center line of Fla 200,
87.9 E of E rail of SAL RR track,
0.1 mi E of Fla 24 & 200 intersection,
Waldo, Fla.

E on Fla 200 to home of C.W. Martin for
0.1 mi GEC#7

Aug 22, 1955

Alachua County

Weather - Clear & Hot

77

Sta.	B.S.	H.I.	F.S.	Elev.
Temp BM				65.27

TP ₁	8.32	73.59	6.24	67.35
TP ₂	0.90	68.25	7.15	61.10
TP ₃	3.02	64.12	5.00	59.12
TP ₄	3.77	62.89	4.97	57.92
TP ₅	4.53	62.45	3.64	58.81
TP ₆	4.17	62.98	3.42	59.56
TP ₇	6.45	66.01	5.25	60.76
TP ₈	7.56	68.32	7.80	60.52
TP ₉	4.45	64.97	1.78	63.19
TP ₁₀	9.92	73.11	0.73	72.38
TP ₁₁	7.20	79.58	8.19	71.39
TP ₁₂	1.09	72.48	7.42	65.06
TP ₁₃	3.52	68.58	4.41	64.17
TP ₁₄	4.99	69.16	2.79	66.37
TP ₁₅	1.50	67.87	7.75	60.12
TP ₁₆	7.25	67.37	5.93	61.44
TP ₁₇	5.68	67.12	2.85	64.27
TP ₁₈	2.70	66.97	7.55	59.42
TP ₁₉	4.26	63.68	6.15	57.53

Well of Pearl Caraway, High Springs.

.2 mile NE on Fla H.W. 236 from intersection
with U.S. H.W. 441.

N.E. on Fla H.W. 236

57.53

Sta.	B.S.	H.I.	F.S.	Elev.
TP20	5.45	62.98	1.17	61.81
TP21	11.67	73.48	0.45	73.03
TP22	10.94	83.97	0.48	83.49
TP23	11.10	94.59	1.50	93.09
TP24	11.18	104.27	5.83	98.44
TP25	2.61	101.05	8.20	92.85
TP26	2.81	95.66	3.70	91.96
TP27	6.01	97.97	6.76	91.21
TP28	4.11	95.32	2.10	93.22
TP29	11.00	104.22	0.70	103.52
TP30	11.48	115.00	0.07	114.93
TP31	11.19	126.12	0.20	125.92
TP32	10.78	136.70	0.43	136.27
TP33	10.60	146.87	0.73	146.14
TP34	11.01	157.15	0.26	156.89
W 2966	6.54	163.43	3.52	159.91
TP35	0.25	160.16	10.12	150.04
TP36	0.47	150.51	11.47	139.04
TP37	0.35	139.39	11.98	127.41
TP38	0.09	127.50	11.68	115.82
TP39	0.79	116.61	10.47	106.14
TP40	0.27	106.41	11.27	95.14
TP41	3.17	98.31	7.22	91.09
TP42	2.12	93.21	4.19	89.02

Turn E after 4.6 miles for .25th mile

Traxler Well

Turn S after .25th mile

	B.S.	HI	FS	Elev
TP43	4.26	93.28	7.02	86.26
TP44	5.89	92.15	6.03	86.12
TP45	3.74	89.86	4.24	85.62
TP46	2.74	88.36	3.12	85.24
TP47	3.16	88.40	9.14	79.26
TP48	5.81	85.07	7.37	77.70
TP49	6.19	83.19	9.91	73.28
TP50	5.09	78.37	10.17	68.20
TP51	3.72	71.92	4.21	67.71
TP52	2.88	70.59	6.35	64.24
TP53	2.41	66.65	6.70	59.95
TP54	3.68	63.63	3.15	60.48
TP55	5.67	66.15	3.19	62.96
TP56	6.40	69.36	2.00	67.36
TP57	4.84	72.20	2.07	70.13
TP58	6.22	76.35	4.51	71.84
TP59	5.09	76.93	6.14	70.79
TP60	2.63	73.42	6.95	62.47
TP61	3.49	65.96	4.50	61.46
TP62	4.27	65.73	5.39	60.34
TP63	3.66	64.00	5.70	58.30
TP64	3.75	62.05	3.29	58.76
TP65	4.19	62.95	3.99	58.96
TP66	4.63	63.59	4.15	59.44
TP67	4.88	64.32	5.90	58.42

TP68	6.73	65.15	4.17	60.98
TP69	4.80	65.78	1.74	64.04
TP70	5.50	69.54	4.14	65.40

Error of Closure 0.13 feet.

CURVE TABLES.

Published by KEUFFEL & ESSER CO.

HOW TO USE CURVE TABLES.

Table I. contains Tangents and External to a 1° curve. Tan. and Ext. to any other radius may be found nearly enough, by dividing the Tan. or Ext. opposite the given Central Angle by the given degree of curve.

To find Deg. of Curve, having the Central Angle and Tangent: Divide Tan. opposite the given Central Angle by the given Tangent.

To find Deg. of Curve, having the Central Angle and External: Divide Ext. opposite the given Central Angle by the given External.

To find Nat. Tan. and Nat. Ex. Sec. for any angle by Table I.: Tan. or Ext. of twice the given angle divided by the radius of a 1° curve will be the Nat. Tan. or Nat. Ex. Sec.

EXAMPLE.

Wanted a Curve with an Ext. of about 12 ft. Angle of Intersection or I. P. = 23° 20' to the R. at Station 542+72.

Ext. in Tab. I opposite 23° 20' = 120.87
 $120.87 \div 12 = 10.07$. Say a 10° Curve.

Tan. in Tab. I opp. 23° 20' = 1183.1
 $1183.1 \div 10 = 118.31$.

Correction for A. 23° 20' for a 10° Cur. = 0.16
 $118.31 + 0.16 = 118.47$ = corrected Tangent.

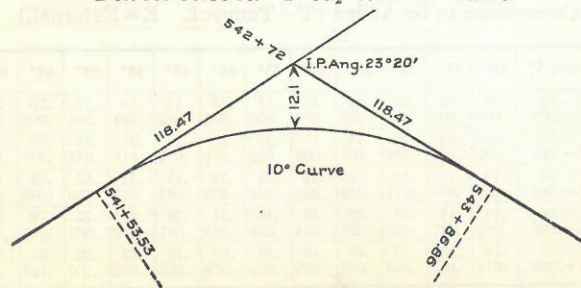
(If corrected Ext. is required find in same way)
 Ang. 23° 20' = 23.33° $\div 10 = 2.3333$ = L. C.

2° 19½' = def. for sta.	542	I. P. = sta.	542+72
4° 49½' = " " "	+50	Tan. =	118.47
7° 19½' = " " "	543	B. C. = sta.	541+53.53
9° 49½' = " " "	+50	L. C. =	2.33.33
11° 40' = " " "	543+	E. C. = Sta.	543+86.86
	86.86		

$100 - 53.53 = 46.47 \times 3' \text{ (def. for 1 ft. of } 10^\circ \text{ Cur.)} = 139.41' =$
 2° 19½' = def. for sta. 542.

Def. for 50 ft. = 2° 30' for a 10° Curve.

Def. for 36.86 ft. = 1° 50½' for a 10° Curve.

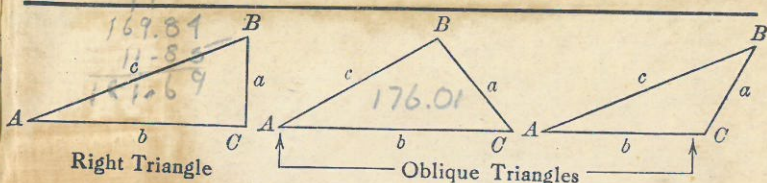


$$\begin{array}{r} 167.47 \\ 158.79 \\ \hline 8.68 \end{array}$$

$$\begin{array}{r} 78.83 \\ 73.01 \\ \hline 5.82 \\ 94.19 \\ 91.53 \\ \hline 2.66 \end{array}$$

42, 55, 56,

TRIGONOMETRIC FORMULÆ



Solution of Right Triangles

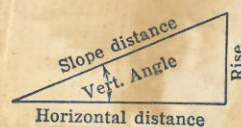
For Angle A. $\sin = \frac{a}{c}$, $\cos = \frac{b}{c}$, $\tan = \frac{a}{b}$, $\cot = \frac{b}{a}$, $\sec = \frac{c}{a}$, $\csc = \frac{c}{b}$

Given a, b	Required A, B, c	$\tan A = \frac{a}{b} = \cot B, c = \sqrt{a^2 + b^2} = a \sqrt{1 + \frac{b^2}{a^2}}$
a, c	A, B, b	$\sin A = \frac{a}{c} = \cos B, b = \sqrt{(c+a)(c-a)} = c \sqrt{1 - \frac{a^2}{c^2}}$
A, a	B, b, c	$B = 90^\circ - A, b = a \cot A, c = \frac{a}{\sin A}$
A, b	B, a, c	$B = 90^\circ - A, a = b \tan A, c = \frac{b}{\cos A}$
A, c	B, a, b	$B = 90^\circ - A, a = c \sin A, b = c \cos A$

Solution of Oblique Triangles

Given A, B, a	Required b, c, C	$b = \frac{a \sin B}{\sin A}, C = 180^\circ - (A + B), c = \frac{a \sin C}{\sin A}$
A, a, b	B, c, C	$\sin B = \frac{b \sin A}{a}, C = 180^\circ - (A + B), c = \frac{a \sin C}{\sin A}$
a, b, C	A, B, c	$A + B = 180^\circ - C, \tan \frac{1}{2}(A - B) = \frac{(a - b) \tan \frac{1}{2}(A + B)}{a + b}, c = \frac{a \sin C}{\sin A}$
a, b, c	A, B, C	$s = \frac{a + b + c}{2}, \sin \frac{1}{2}A = \sqrt{\frac{(s - b)(s - c)}{bc}}, \sin \frac{1}{2}B = \sqrt{\frac{(s - a)(s - c)}{ac}}, C = 180^\circ - (A + B)$
a, b, c	Area	$s = \frac{a + b + c}{2}, \text{area} = \sqrt{s(s - a)(s - b)(s - c)}$
A, b, c	Area	$\text{area} = \frac{bc \sin A}{2}$
A, B, C, a	Area	$\text{area} = \frac{a^2 \sin B \sin C}{2 \sin A}$

REDUCTION TO HORIZONTAL



Horizontal distance = Slope distance multiplied by the cosine of the vertical angle. Thus: slope distance = 319.4 ft. Vert. angle = $5^\circ 10'$. From Table, Page IX. $\cos 5^\circ 10' = .9959$. Horizontal distance = $319.4 \times .9959 = 318.09$ ft. Horizontal distance also = Slope distance minus slope distance times (1 - cosine of vertical angle). With the same figures as in the preceding example, the following result is obtained. $\cos 5^\circ 10' = .9959, 1 - .9959 = .0041, 319.4 \times .0041 = 1.31, 319.4 - 1.31 = 318.09$ ft.

When the rise is known, the horizontal distance is approximately:—the slope distance less the square of the rise divided by twice the slope distance. Thus: rise = 14 ft., slope distance = 302.6 ft. Horizontal distance = $302.6 - \frac{14 \times 14}{2 \times 302.6} = 302.6 - 0.32 = 302.28$ ft.