

CLYDE A WEST
7076 CASS LANE
LEMONGROVE CALIF

86000
234000
156000
156000
143000

76-18-00
52-26-30
76-18-15

TRAVERSE TABLE FOR TRANSIT BOOK.
From 1° to 90° for a distance of 100.

Degrees.	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100 00	0 44	100.00	0.87	99.99	1.81	89
1	99.98	1 75	99 98	2 18	99 97	2.62	99.95	3.05	88
2	99.94	3.49	99 92	3.93	99 91	4.36	99.88	4.80	87
3	99.86	5.23	99 84	5 67	99.81	6.10	99.79	6.54	86
4	99.76	6.98	99 73	7.41	99.69	7.85	99.66	8.28	85
5	99 62	8.72	99.58	9.15	99 54	9.58	99.50	10 02	84
6	99.45	10.45	99.41	10 89	99.36	11.32	99.31	11.75	83
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	82
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	15.64	98.70	16 07	98.63	16 50	98 56	16.93	80
10	98 48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98 16	19.08	98 08	19 51	97.99	19.94	97.90	20.38	78
12	97.81	20.79	97.72	21.22	97.63	21 64	97.53	22.07	77
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24 62	96.81	25 04	96.70	25.46	75
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.16	27.56	96.00	27 98	95.88	28 40	95.76	28.82	73
17	95.63	29.24	95.50	29.65	95.37	30 07	95.24	30.49	72
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35 43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38 67	67
23	92.05	39.07	91.88	39 47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.88	43.84	89 69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	48.48	87.25	48 86	87.04	49.24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	56
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	55
35	81.82	57.36	81.66	57.71	81.41	58.07	81.16	58.42	54
36	80.80	58.78	80.64	59.13	80.39	59.48	80.13	59.83	53
37	79.86	60.18	79.60	60 53	79.34	60.88	79.07	61.22	52
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	51
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	50
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	49
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	48
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	47
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	46
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	45
45	70.71	70.71							

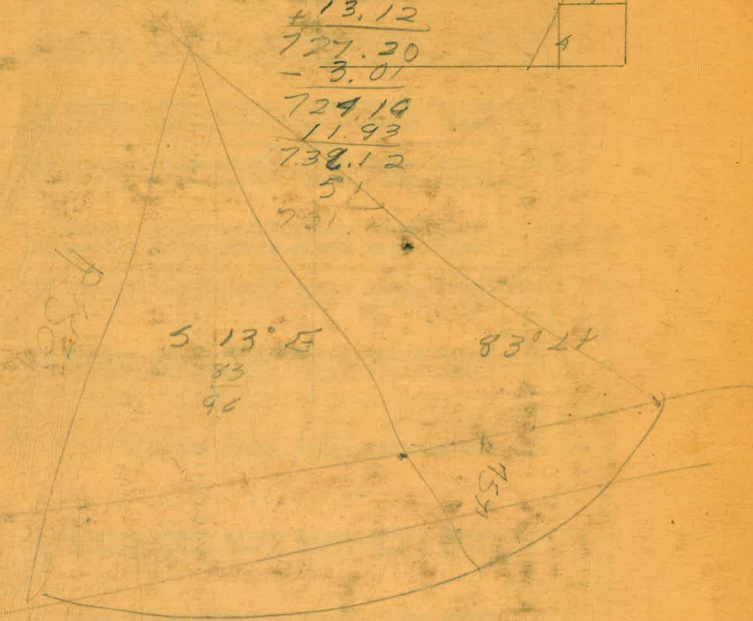
1100
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703.87
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5.66



87
509.56
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508.43

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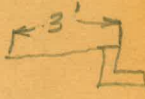


TABLE OF STADIA REDUCTIONS

For a Constant of 100.

ROD VERTICAL.

Min.	0°		1°		2°		3°		4°		5°		6°		7°	
	Hor. Dist.	Dif. Elev.	Hor. Dist.	Dif. Elev.	Hor. Dist.	Dif. Elev.	Hor. Dist.	Dif. Elev.	Hor. Dist.	Dif. Elev.	Hor. Dist.	Dif. Elev.	Hor. Dist.	Dif. Elev.	Hor. Dist.	Dif. Elev.
0	100.00	.00	99.97	1.74	99.88	3.49	99.72	5.23	99.51	6.96	99.24	8.68	98.91	10.40	98.51	12.19
2	100.00	.06	99.97	1.80	99.87	3.55	99.72	5.28	99.51	7.07	99.23	8.80	98.88	10.57	98.48	12.31
4	100.00	.11	99.96	1.86	99.86	3.61	99.71	5.36	99.50	7.13	99.21	8.85	98.87	10.62	98.46	12.36
6	100.00	.17	99.95	1.92	99.85	3.68	99.70	5.46	99.49	7.19	99.20	8.91	98.86	10.68	98.45	12.38
8	100.00	.23	99.94	1.98	99.84	3.72	99.69	5.52	99.48	7.25	99.19	8.97	98.85	10.74	98.44	12.38
10	100.00	.29	99.93	2.04	99.83	3.78	99.68	5.57	99.47	7.30	99.18	9.03	98.84	10.74	98.43	12.43
12	100.00	.35	99.92	2.09	99.82	3.84	99.68	5.57	99.46	7.35	99.17	9.08	98.83	10.79	98.41	12.49
14	100.00	.41	99.91	2.15	99.81	3.90	99.68	5.63	99.45	7.40	99.16	9.13	98.82	10.79	98.41	12.49
16	100.00	.47	99.90	2.21	99.80	3.96	99.68	5.69	99.44	7.45	99.15	9.18	98.81	10.84	98.40	12.50
18	100.00	.53	99.89	2.27	99.79	4.02	99.68	5.75	99.43	7.50	99.14	9.23	98.80	10.91	98.39	12.50
20	100.00	.58	99.88	2.33	99.78	4.07	99.68	5.80	99.43	7.53	99.14	9.25	98.80	10.96	98.37	12.66
22	100.00	.64	99.87	2.38	99.77	4.13	99.68	5.85	99.42	7.57	99.13	9.27	98.79	11.02	98.36	12.72
24	100.00	.70	99.86	2.43	99.76	4.19	99.68	5.90	99.41	7.61	99.12	9.29	98.78	11.07	98.34	12.77
26	100.00	.76	99.85	2.49	99.75	4.24	99.68	5.95	99.40	7.65	99.11	9.31	98.77	11.13	98.33	12.83
28	100.00	.81	99.84	2.54	99.74	4.30	99.68	6.00	99.39	7.69	99.10	9.33	98.76	11.18	98.32	12.88
30	100.00	.87	99.83	2.60	99.73	4.36	99.68	6.05	99.38	7.73	99.09	9.34	98.75	11.23	98.31	12.94
32	100.00	.93	99.82	2.65	99.72	4.42	99.68	6.10	99.37	7.77	99.08	9.35	98.74	11.28	98.30	13.00
34	100.00	.99	99.81	2.71	99.71	4.48	99.68	6.15	99.36	7.81	99.07	9.36	98.73	11.33	98.29	13.05
36	100.00	1.05	99.80	2.77	99.70	4.53	99.68	6.20	99.35	7.85	99.06	9.37	98.72	11.38	98.28	13.11
38	100.00	1.11	99.79	2.83	99.69	4.59	99.68	6.25	99.34	7.89	99.05	9.38	98.71	11.43	98.27	13.17
40	100.00	1.16	99.78	2.89	99.68	4.65	99.68	6.30	99.33	7.93	99.04	9.39	98.70	11.48	98.26	13.22
42	100.00	1.22	99.77	2.95	99.67	4.71	99.68	6.35	99.32	7.97	99.03	9.40	98.69	11.53	98.25	13.28
44	100.00	1.28	99.76	3.01	99.66	4.77	99.68	6.40	99.31	8.01	99.02	9.41	98.68	11.58	98.24	13.33
46	100.00	1.34	99.75	3.07	99.65	4.83	99.68	6.45	99.30	8.05	99.01	9.42	98.67	11.63	98.23	13.39
48	100.00	1.40	99.74	3.13	99.64	4.89	99.68	6.50	99.29	8.09	99.00	9.43	98.66	11.68	98.22	13.45
50	100.00	1.45	99.73	3.19	99.63	4.95	99.68	6.55	99.28	8.13	98.99	9.44	98.65	11.73	98.21	13.50
52	100.00	1.51	99.72	3.25	99.62	5.01	99.68	6.60	99.27	8.17	98.98	9.45	98.64	11.78	98.20	13.56
54	100.00	1.57	99.71	3.31	99.61	5.07	99.68	6.65	99.26	8.21	98.97	9.46	98.63	11.83	98.19	13.61
56	100.00	1.63	99.70	3.37	99.60	5.13	99.68	6.70	99.25	8.25	98.96	9.47	98.62	11.88	98.18	13.67
58	100.00	1.69	99.69	3.43	99.59	5.19	99.68	6.75	99.24	8.29	98.95	9.48	98.61	11.93	98.17	13.73
60	100.00	1.74	99.68	3.49	99.58	5.25	99.68	6.80	99.23	8.33	98.94	9.49	98.60	11.98	98.16	13.78
c=.75	.75	.01	.75	.02	.75	.03	.75	.05	.75	.06	.75	.07	.75	.08	.75	.10
c=1.15	1.15	.01	1.15	.02	1.15	.03	1.15	.05	1.15	.06	1.14	.11	1.14	.13	1.14	.15
c=1.90	1.90	.02	1.90	.06	1.90	.08	1.90	.12	1.89	.15	1.89	.18	1.89	.21	1.88	.26

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$$\Delta = 60^\circ \quad \frac{1}{2}\Delta = 30^\circ$$

$$R = 100'$$

$$\text{Tan} = R \tan \frac{1}{2}\Delta \quad \text{Tan} = 100' \tan 30^\circ$$

$$\text{Tan} = 100' \times .5773503$$

$$\text{Tan} = 57.74'$$

$$E = R \text{exsec} \frac{1}{2}\Delta = \text{external Dist}$$

$$E = 100' \text{exsec} 30^\circ \quad E = 100' \times .1547005$$

$$E = 15.47' \quad E = \text{Tan} \times \text{Tan} \frac{1}{2}\Delta$$

$$C = 2R \sin \frac{1}{2}\Delta = \text{Long chord}$$

$$C = 2 \times 100' \sin 30^\circ$$

$$C = 200 \times .5000000$$

$$C = 100'$$

$$\frac{1}{3} \text{ Chord} = 2R \sin \frac{1}{2}\Delta$$

$$\frac{1}{3} \text{ Chord} = 200 \times \sin 10^\circ$$

$$\frac{1}{3} \text{ Chord} = 200' \times .1736482$$

$$\frac{1}{3} \text{ Chord} = 34.73$$

$$1^{\text{st}} \text{ Chord } 10^\circ \text{ Rt}$$

$$2^{\text{nd}} \text{ " } 10^\circ \text{ to Tangent} + 10^\circ = 20^\circ$$

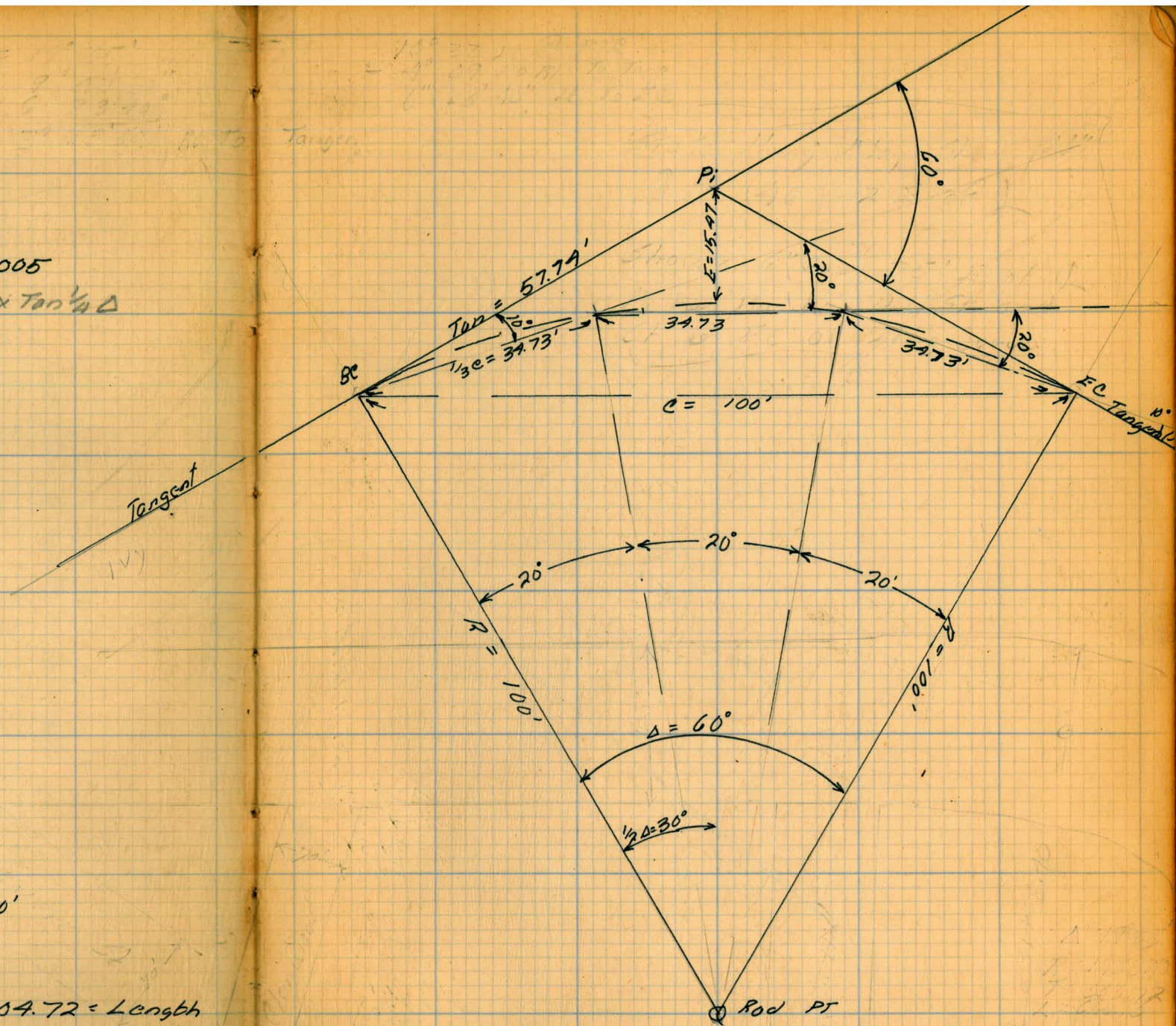
$$3^{\text{rd}} \text{ " } \text{ " } \text{ " } \text{ " } \text{ " } = 20^\circ$$

$$\text{Length} = \Delta : 360^\circ :: L : 2\pi R$$

$$60^\circ : 360^\circ :: L : 2 \times 3.1416 \times 100'$$

$$60^\circ : 360^\circ :: L : 628.32$$

$$628.32 \times 60 = \frac{37699.20}{360} = 104.72 = \text{Length}$$



87.83
12.12



27187.12

$\Delta = 8.5$
 $H = 45$
 $= 89.84$
 $= 69.69$

82.00
82.92
69.64
92.94
82.88
9.06

2717.68

2717.68 Pot

N 74 57 11/2

2717.95

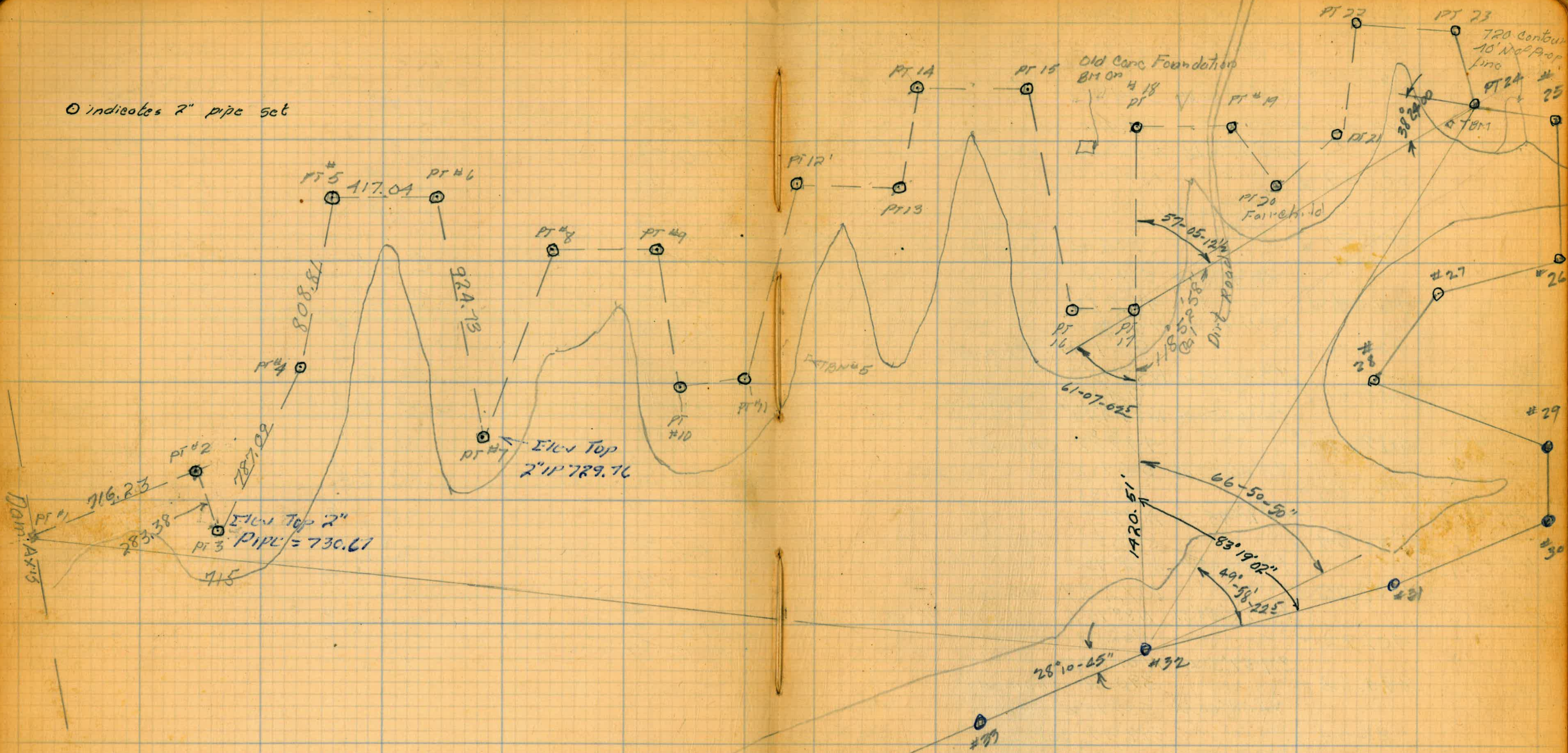
N 17° 31' 00"

Ballhorn St

	+	H ₁	-	F _{lev}
	9.15	530.17		521.32
	1.07	518.71	12.83	517.64
28C			1.89	516.82 516.90
28D			2.35	516.36 516.99
28E			3.05	515.66 ^{16.73} 517.08
28F			2.87	515.84 ⁶⁷ 517.17
28G			2.70	516.01 ⁹ 517.27
28H			2.71	516.00 516.86
28I			2.66	516.05 516.95
28J			2.67	516.04 517.04 ^{052.012}
28K			3.01	515.70 517.13
28L			3.33	515.38 517.22 ^{05.100}
28M			3.13	515.58 517.32 ^{02.100}
28N			2.78	515.93 517.32 ^{02.114}
28O			2.74	515.97 517.22
28P			3.01	515.70 517.13
28Q			2.61	516.10 517.04
28R			2.74	515.97 516.95
			5.31	513.40 = 513.36

F08	573.3	C35	516.33	C019
F063	"	C31		C003
F142		C21		F067
F133		C25		F042
F126		C27		F032
F086		C27		F033
F092		C28		
F100		C27		
F143		C24		
F184		C21		
F174		C23		
F139		C26		
F125		C27		
F143		C21		
F094		C28		
F098		C27		

○ indicates 2" pipe set



T 32 PT 17 TO PT 31
 1) 83° 19' 10"
 6) 83° 19' 02"

 T 17 PT 32 TO PT 18 Def Angle
 6M 4° 02' 12" RC

STA	Dist	Def	MAG Bearing
1+53 Dam = PT # 2	(To PT # 106) 584.68	86°45'55" N 61°45' E	interior from Sly Dam
PT # 2	716.23 ✓	717.30	717.37 Chained 0.12
PT # 3	283.38 ✓	OK	283.47 Check Chained
PT # 4	787.09 ✓	OK	787.17 Check Chained
PT # 5	808.81 ✓	22°47'00" N 9°45' E	809.05 Check Chained
PT # 6	417.04 ✓	98°45'20" R 571°15' E	417.17 0.12
PT # 7	924.73 ✓	65°11'15" R 6°30' W	924.97 Chained
PT # 8	946.31 ✓	153°20'00" R 118°15' E	946.66 Chained
PT # 9	449.68 ✓	65°41'00" R 83°45' E	449.82 Chained
PT # 10	790.55 ✓	87°06'35" R 509' E	790.86
PT # 11	246.54 ✓	84°11'45" L 87° E	246.56 Chained OK
PT # 12	1072.06 ✓	73°50'00" R 112°45' E	1072.49 Chained
PT # 13	401.92 ✓	75°13'30" R 88°15' E	(75°12'52") M of L
PT # 14	390.63 ✓	87°39'30" L 101°15' E	390.68 Chained OK
PT # 15	388.44 ✓	91°08'00" R 587°15' E	388.47 Chained OK
PT # 16	1002.07 ✓	74°35'00" R 513° E	1002.25 Check Chained out
PT # 17	285.78 ✓	83°08'50" L 113° W	285.83 Chained OK
PT # 18	879.43 ✓	81°19'50" L 2°45' E	879.49

283.42
170.63
112.89

+	Hi	-	Elev
12.15	716.16		704.01
11.44	725.37	2.23	713.93
4.23	727.50	2.10	723.27
11.74	726.73	12.51	714.99
11.65	726.41	11.97	714.76
10.48	728.38	8.51	717.90
9.66	728.61	9.43	718.95
8.97	728.25	9.33	719.28
10.05	725.95	12.35	715.90
11.64	733.50	4.09	721.80
6.93	727.55	12.88	720.62
9.65	728.66	8.54	719.01
10.07	725.41	13.32	715.34
13.27	726.99	11.69	713.72
13.27	739.95	0.31	726.68
0.92	728.10	12.77	727.18
13.31	740.49	0.92	727.18
		0.30	740.19
			615.55 = 615.65 BM on Dam
0.98	741.17	741.17	740.19
1.65	729.82	13.00	728.17
9.11	727.15	11.78	718.04
13.13	738.11	2.17	724.98
12.10	748.06	2.15	735.96
13.08	759.53	1.61	746.45
0.70	747.36	12.87	746.66
1.27	735.55	13.08	734.28
1.84	725.48	11.91	723.64
11.80	726.79	10.49	714.99
11.86	725.52	13.13	713.66
13.03	726.24	12.31	713.21
12.64	738.28	0.62	725.62
10.43	748.10	0.61	737.67
12.76	750.08	10.78	737.32
12.56	753.74	8.90	741.18
13.26	759.82	7.18	746.56
12.73	772.21	0.34	759.48
11.96	783.49	0.68	771.53
		0.54	782.95

741.2
713.21
725.62
737.67
737.32
741.18
746.56
759.48
771.53
782.95

782.64 Howard
+ Willet
old House from 1/6
Foundation SE Cor. Barry
TBM PK 45

32 (2)
TBM on Rock on Dam Axis
150' South of PT 2 Fly Side
TBM hub 75' S of Fence

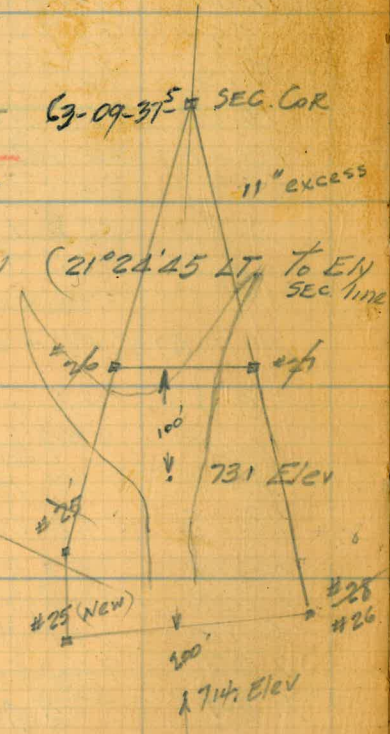
TBM on Hub 200 East of PT # 4

TBM on 1 1/4 x 1 1/2 Corner

on 2" Hub PT # 11
Checked into BM on
Dam from this point

TBM on 1 1/4 x 1 1/2 Hub # 5

STA	Dist	Dir	Mag Bear	Notes
PT 18	394.48	87°24'30" RT	East	87-24-35 87-24-17 OK 394.62
PT # 19	404.69	72°35'10" RT	S 17°30' E	221.11 POT 404.81
PT # 20	286.15	112°36'45" LT	N 50° E	1" Gimney Fair-ohold Point
PT # 21	744.18	53°37'20" LT		286.18 744.33 329.34' POT Spike
PT 22	629.06	102°50'45" RT 57° E		Change Angle in Notes OK
PT 23	387.90	52°05'00" RT	S 19°15' E	629.24 388.16
PT 24	993.66	63°09'00" LT	S 82°15' E	63-09-37" SEC. COR
Aug 10 PT 25	518.93	11°50'15" RT	S 70°15' E	11" excess
SEC. COR	233.42	138°33'30" RT	S 68°30' W	(21°24'25" LT) To EN Sec. line
PT 27	335.76	86°57'40" RT	S 16°25' W	REVISED 30'
PT 26	154.73	51°36'10" RT	S 68°30' W	731 Elev
PT 28	994.14			#25 (New) #26 1714 Elev



+	HI	-	Elev
0.56	783.51		782.95
0.36	771.41	12.46	771.05
0.19	758.67	12.93	758.48
0.51	746.02	13.16	745.51
0.49	734.54	11.97	734.05
3.60	726.85	11.29	723.25
9.53	724.84	11.54	715.31
12.12	727.61	9.35	715.49
13.06	731.64	9.03	718.58
4.44	724.01	12.07	719.57
8.64	726.41	6.24	717.77
		7.77	718.64
3.95	722.59		718.64
6.23	715.53	13.29	709.30
1.74	705.61	11.66	703.87
0.44	694.01	12.04	693.57
1.86	686.51	9.36	684.65
2.37	679.13	9.75	676.76
4.24	675.47	7.90	671.23
7.84	680.50	2.81	672.66
12.42	692.70	0.22	680.28
12.28	703.26	1.72	690.98
18.46	705.03	10.69	692.57
12.11	713.63	3.51	701.52
9.62	714.74	8.51	705.12
11.97	717.87	8.84	705.90
12.50	727.34	3.03	714.84
		1.11	726.23
11.82	684.48		678.66
12.86	695.80	1.54	682.94
13.35	708.71	0.44	695.36
12.77	720.67	0.81	707.90
13.03	731.86	1.84	718.83
5.26	731.68	5.44	726.42
12.91	731.66	12.93	718.75
13.34	732.35	12.65	719.01
12.89	744.99	0.25	732.10
5.11	747.78	2.32	742.67

TBM See Page #2

46 34.5
13
30 218
34.5
35
11
26.5

TBM 1/4" Gimney To Hole

TBM in Creek Bottom

TBM PK Spike in Large tree

TBM 1/4" Gimney

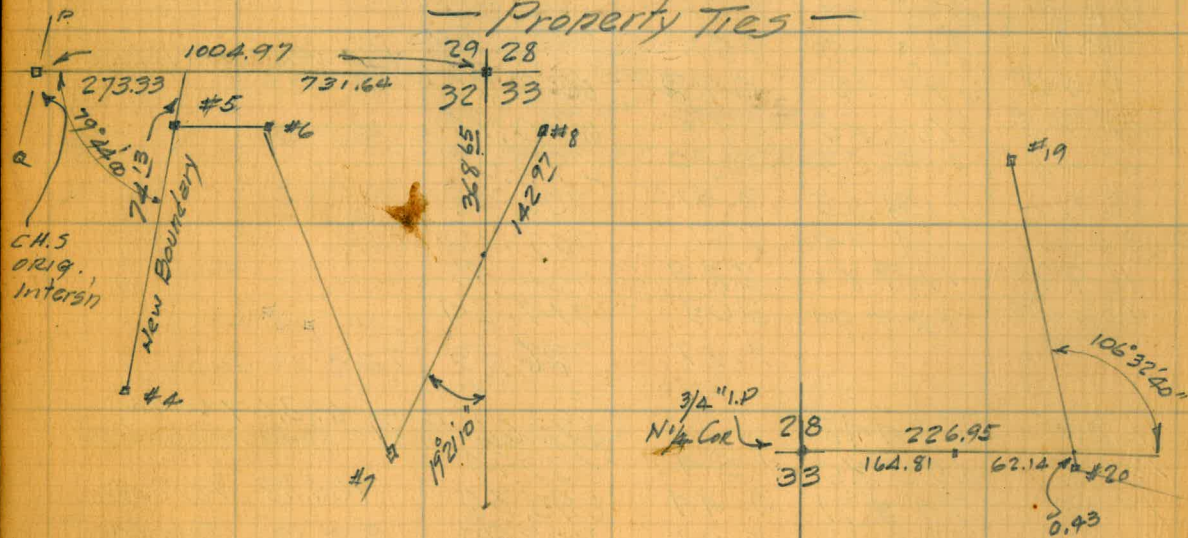
673.07 Willow
BM Spike in cue tree

706.18 TBM on
Sec Cor Transferred
from cue tree

726
733
739
735.3
735.9
742.71
30

Sta.	DIST	Def. A	Mag. Brg	
#24	719.75	✓ 920.11	582°15'E	OK
#25 (REV)		58°03'00" RT		
	479.20	✓ 479.56	524°00'E	
#26		104°05'00" RT		1005.61 Chained
	1005.51	✓ 1005.61	580°00'W	(820.66 P.O.T.)
#27		48°31'10" LT		573.30
	573.29	✓ 573.30	531°30'W	(182.36 POT.)
#28		113°27'45" LT		
	1105.17	✓ 1105.97	582°E	POT 504.12 Spike
#29		78°48'30" RT		
	394.20	✓ 394.07	53°00'E	
#30		69°45'40" RT		
	798.47	✓ 798.59	567°30'W	POT. 350.03 HUB
#31		15°07'00" RT		
	1419.88	✓ 1419.11	581°45'W	POT 817.05 HUB
#32		16°28'00" LT		16-28-00
#33		66°41'50" LT	565-15'W	
	539.59	✓ ?		
#34 (PT. Y)		531.89	N 01°30'E	POT 158.69 HUB

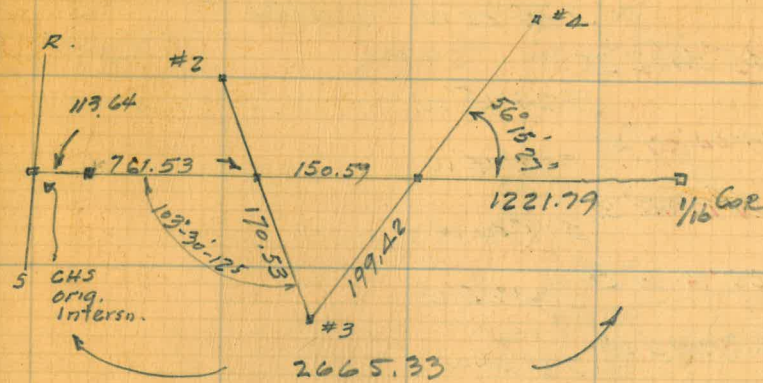
Property Ties



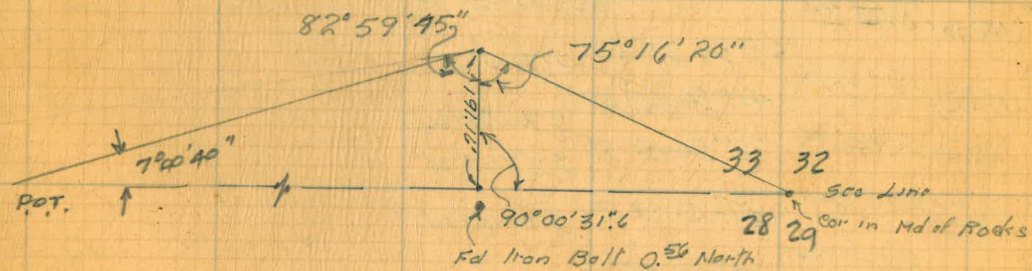
Angular closure +0°03'35"

+	Hi	-	E/101
	747.78		
5.17	743.29	9.66	738.12
0.28	735.58	7.99	735.30
2.71	732.14	6.15	729.43
		5.09	727.05 = 727.43 - 727.53

1/4 Cor. mon by enddike Ave.



56-15-27
76-29-475
122-45-145



89°59' 88.4
82°59' 45
7 00 40
179 59 534

0) 451° 33' 00"
M) 75° 16' 20"
G 497 58 30
M) 82° 59' 45"

STREAM ROW 9/4/59 - 9/1/59

Begin pt "G" - 3+62.38 524°30'W
 (362.38) 30°04'00" RT.

3+62.38 4+31.00 554°15'W
 (68.73) 28°01'08" LT.

4+31.00 5+28.00 527°45'W
 (97.0) 24°15'00" RT.

5+28.00 7+04.35 552°15'W
 (176.35) 23°15'00" RT.

7+04.35 8+10.98 575°00'W
 (106.63) 45°56'12" LT.

8+10.98 10+30.26 529°15'W
 (219.28) 49°02'27" RT.

10+30.26 11+20.00 578°45'W
 (89.74) 59°12'03" LT.

11+20.00 1331.52 519°30'W
 (211.52) 25°14'20" RT.

13+31.53 15+13.17 544°45'W
 (181.65) 36°32'42" LT.

15+13.17 16+26.00 58°30'W
 (112.89) 37°48'53" RT.

16+26.00 18+12.30 546-15' W
 (186.30) 63°39'55" LT.

18+12.30 19+84.00 517-15' E
 (171.70) 41°36'45" RT.

19+84.00 21+46.00 524°00'W
 (162.00) 27°54'50" RT.

21+46.00 22+78.00 552-15' W
 (132.00) 51°17'13" LT.

22+78.00 24+11.00 501'00" W
 (133.00) 46°23'48" RT.

24+11.00 26+51.09 547-15' W
 (240.09) 6°55'00" RT.

26+51.09 28+65.53 554°30'W
 (214.44) 49°11'20" LT.

28+65.53 30+08.00 55-15' W
 (142.43) 41°21'53" RT.

30+08.00 31+73.00 546-15' W
 (165.00) 24°51'23" RT.

31+73.00 32+62.30 571°30'W
 (289.30) 34°29'58" RT.

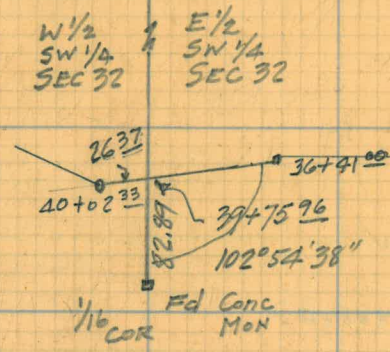
32+62.30 34+62.30 N 73°45'W
 (178.70) 36+41.00 31°12'23" LT.

34+62.30 40+02.33 575°15'W
 (361.33) 44°34'03" RT.

40+02.33 N 60°15'W

(16+48 E-W FEN. CROSSCS)

+	Flv	-	Flv
40+02.33	185.67	21+88.00	28°10'28" LT
			N 88°45' W
21+88.00	596.97	47+84.93	
	3.75	47+88.72	
	600.72	(10°34'48" RT)	311.57 Sly to Hwy Mon
(47+88.72)	170.23	49+58.95	10°35'00" RT E CULV. 6x7-94 GBC
		46°42'33" LT	92°54'13" LT To Mon Hwy Sly.
49+58.95	442.29	1/16 COR	Fd Conc Mon
	54+01.24	1/16 COR	Fd Conc Mon



Ac Check Ang/26

- 1) 86° 45' 55" interior \angle
- 2) 103° 31' 09" RL
- 3)
- 4) 22° 47' 05" Lt 22° 47' 00"
- 5) 98° 44' 40" RL
- 6) 65° 10' 42" RL (6) 65° 11' 15" RL
- 7) 155° 20' 15" Lt
- 8) 65° 40' 18" RL 65° 41' 00"
- 9) 87° 05' 48" RL
- 10) 84° 12' 00" Lt
- 11) 73° 50' 05" Lt
- 12) 75° 12' 52" RL
- 13) 87° 40' 08" Lt
- 14) 91° 07' 28" RL
- 15) 74° 35' 02" RL
- 16) 83° 08' 30" Lt
- 17) 81° 20' 25" Lt
- 18) 87 24 17 RL
- 19) 72° 34' 33" RL
- 20) 112° 37' 18" Lt (MOF 12)
- 21) 53° 37' 32" Lt
- 22) 112° 50' 02" RL
- 23) 52° 04' 32" RL
- 24) 63° 09' 35" Lt
- 25) 58° 02' 45" RL
- 26) 104° 04' 32" RL
- 27) 48° 31' 42" Lt - used orig. 48-31-10 Lt
- 28) 113° 28' 15" Lt
- 29) 78° 47' 32" RL
- 30) 69° 45' 33" RL
- 31) 15° 06' 55" RL
- 32) 16° 28' 15" Lt
- 33)
- 34) 66° 43' 45" Lt - used orig. 66° 41' 50"

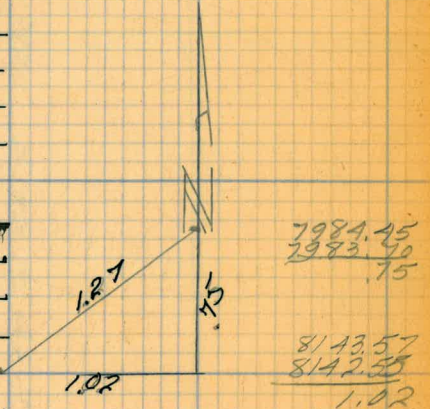
1+53 old Dam Axis To Pt #2 L) 86° 44' 08")
 6) 103° 39' 50" RL From New Pol
 6) 132° 45' 08" Lt Location

- #0 Def. 69° 22' 38" RT
- #1 86° 44' 08"
- #2 103° 39' 50" RT
- #3 132° 45' 08" LT

539.67 Dist moved .08 because hub has been moved

Course

Course	Bearing	Distance	Cos	Sine	North +	South -	East +	West -
2	N 63° 45' 46" E	717.30	.44208866	.89697136	317.11		643.40	
3	S 51° 2' 34" 24" E	283.42	.97601818	.21768901		276.62	61.70	
4	N 31° 40' 28" E	787.17	.82239787	.56891277	647.37		447.83	
5	N 11° 53' 28" E	809.05	.97854096	.20605238	791.69		166.71	
6	S 69° 21' 52" E	417.17	.35242246	.93584102		147.02	390.40	
7	S 4° 10' 37" E	924.97	.99734387	.07283688		922.51	67.37	
8	N 20° 29' 09" E	946.66	.93676045	.34997123	886.79		331.30	
9	N 86° 10' 08" E	449.82	.06681569	.99776534	30.06		448.81	
10	S 6° 44' 04" E	790.86	.99310033	.11726778		785.40	92.74	
11	N 89° 03' 56" E	246.56	.01630841	.99986701	4.02		246.53	
12	N 15° 13' 51" E	1072.49	.96487526	.26270846	1034.82		281.75	
13	S 89° 33' 17" E	402.07	.00777149	.99996980		3.12	402.06	
14	N 2° 46' 35" E	390.68	.99882618	.04843817	390.22		18.92	
15	S 86° 05' 57" E	388.47	.06802980	.99768329		26.43	387.57	
16	S 51° 30' 55" E	1002.25	.97987157	.19962922		982.08	200.08	
17	N 85° 20' 35" E	285.83	.08118955	.99669868	23.21		284.89	
18	N 4° 00' 10" E	879.49	.99756067	.06980484	877.34		61.39	
19	S 88° 35' 33" E	394.62	.02456304	.99969828		19.69	394.50	
20	S 16° 01' 00" E	404.81	.96118148	.27591696		389.10	111.69	
21	N 51° 21' 42" E	286.18	.62440233	.78110290	178.69		223.54	
22	N 2° 15' 50" W	744.23	.99921949	.03950203	743.65		29.40	
23	S 69° 25' 48" E	629.24	.35135148	.93624363		221.08	589.12	
24	S 17° 21' 16" E	388.16	.95447779	.29828199		370.49	115.78	
25	S 80° 30' 51" E	720.11	.16480374	.98632638		118.68	710.26	
26	S 22° 28' 06" E	479.56	.92409090	.38217276		443.16	183.27	
27	S 81° 36' 26" W	1005.61	.14595833	.98929074		146.78	994.84	
28	S 33° 05' 16" W	573.30	.83783519	.54592325		480.33	312.98	
29	S 80° 22' 59" E	1105.17	.16706033	.98594667		184.63	1089.64	
30	S 1° 35' 27" E	394.07	.99961457	.02776171		393.92	10.94	
31	S 68° 10' 06" W	798.59	.37188094	.92828043		296.98	741.32	
32	S 83° 17' 01" W	1419.88	.11695482	.99313724		166.06	1410.14	
33	S 66° 48' 46" W	539.67	.39373692	.91922317		212.49	496.08	
34	S 0° 06' 56" W	1126.94	.99999797	.00201682		1126.94	2.27	
35	N 89° 09' 21" W	1409.06	.01473295	.99989146	20.76		1408.91	
36	N 80° 54' 21" W	1310.00	.15805754	.98742990	207.06		1293.53	
37	S 81° 50' 39" W	320.00	.03767151	.99929221		12.04	319.77	
38	S 61° 43' 54" W	566.19	.47360151	.88073924		268.15	498.67	
39	S 41° 13' 26" W	554.53	.48147325	.87640179	266.99		486.02	
40	S 39° 04' 04" W	1356.97	.99513995	.09847066	1350.33		133.62	
41	S 24° 40' 56" E	95.65	.98478666	.99513995		95.19		
42	S 36° 02' 00" W	163.73	.99520277	.09783350	162.94		16.02	
43	S 21° 03' 45" W	94.95	.44208866	.89697136	41.98		85.17	
44	N 63° 45' 46" E	27675.43			7984.45		8142.55	

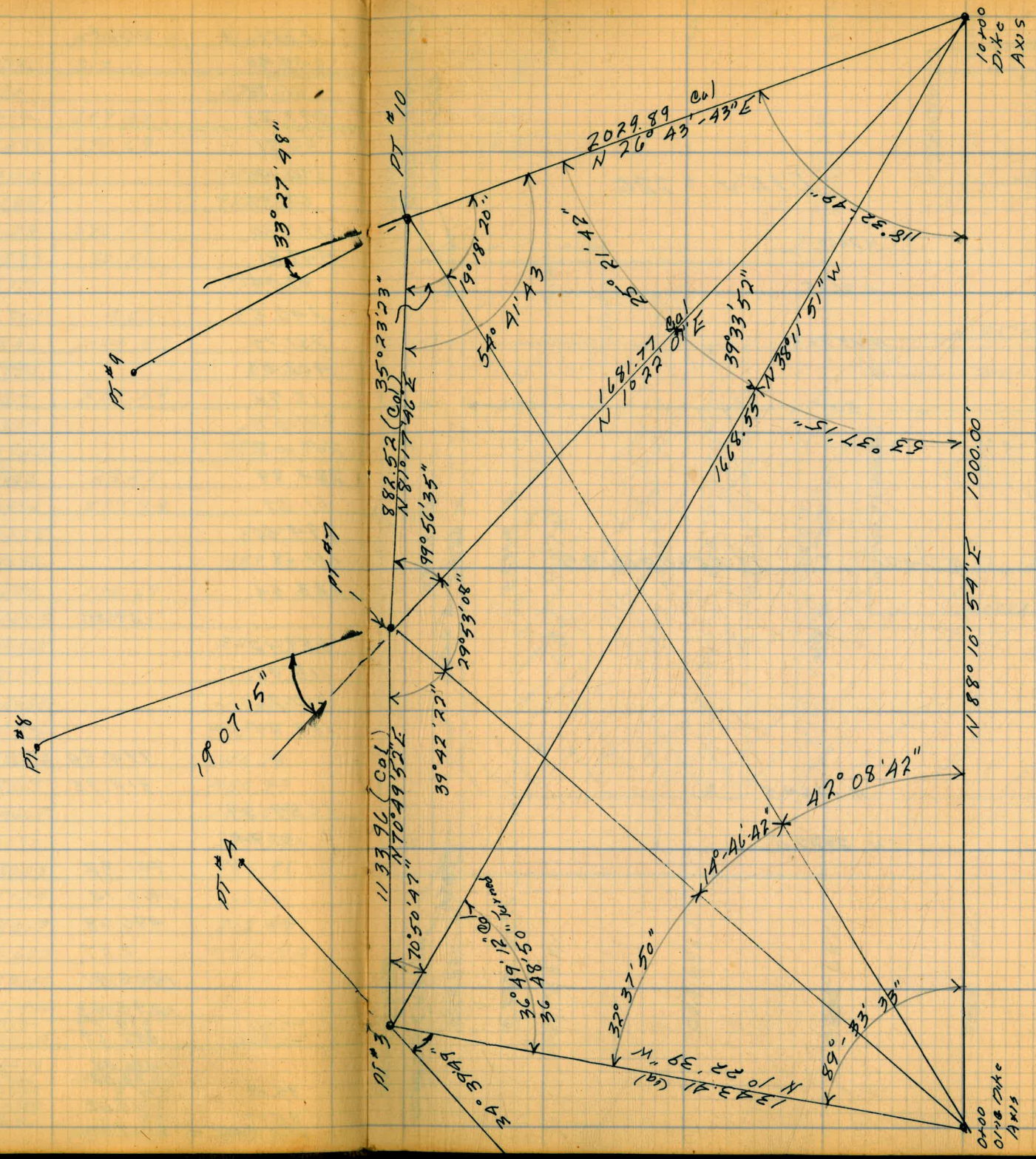


717.30
94.85
81725

27675.43
5.24 miles

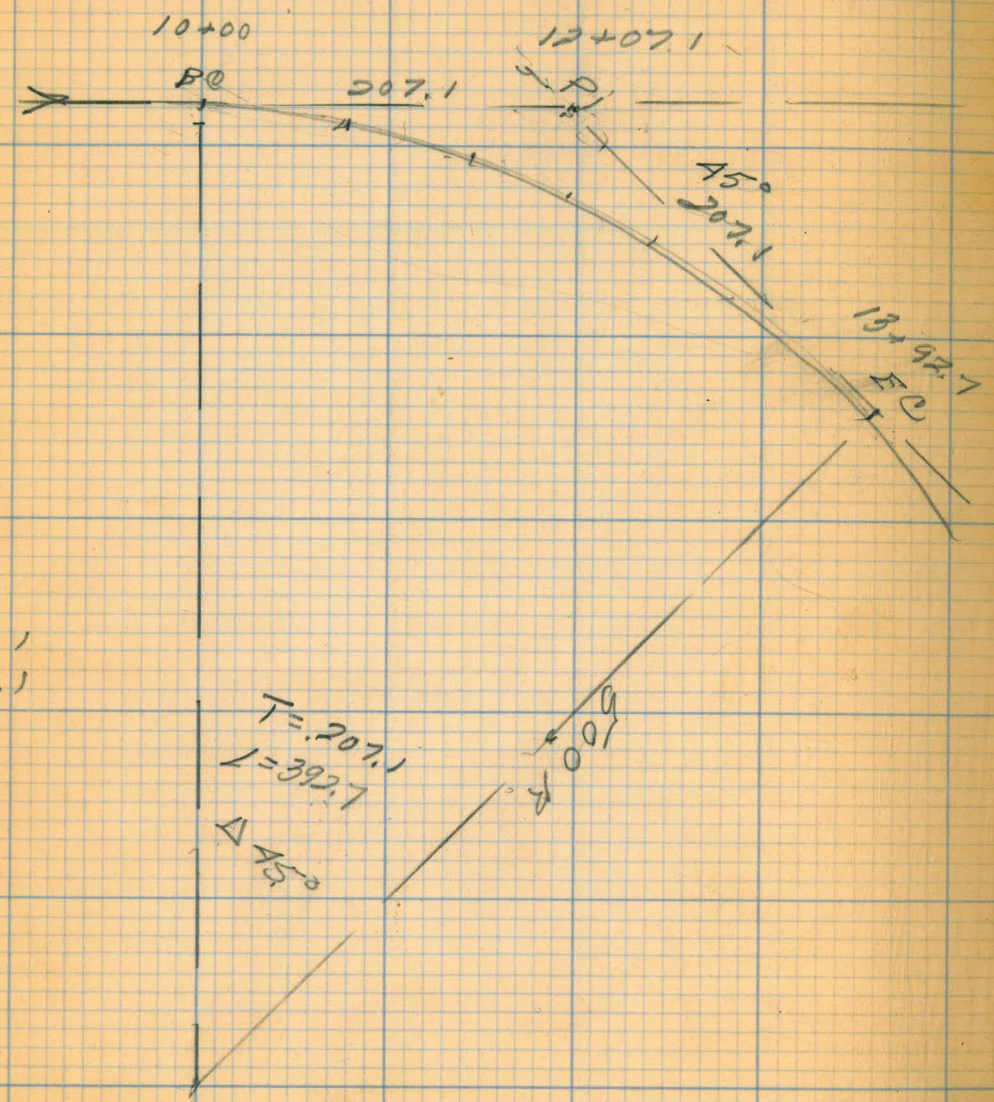
7984.45 = 7983.70

8142.55 = 8143.57



7854
 5
 39270 RX

$T = R = T/2$



207.1
 414.1

$T = 207.1$
 $L = 392.7$
 $\Delta 45^\circ$

45°
 360° T 4330 4177
 20710

34
 500 $\sqrt{17188739}$
 1500
 21887
 2000
 1887

3.4'
 340
 170
 2° 57'

10+50 2° 57'
 2° 57'
 11+00 5° 54'
 11+50 8° 51'
 2° 57'
 12+00 11° 48"
 2° 57"
 12+50 14° 45"
 2° 57"
 13+00 17° 42"
 2° 57"
 13+50 20° 39"
 1° 51"
 13+97.7 22° 30"

42.7
 22 30
 20 39
 1 51

6 39.35 Horiz = 39.35 = 39.35
 1 297.79 @ 2°33' = 297.50 } 297.50
 297.75 @ 2°20' 297.50 }
 299.99 @ 7°30' 297.42 = 297.41
 7 299.84 @ 7°22' 297.41 = 297.41
 169.95 @ 8°57' = 167.88 } 167.87
 170.10 @ 9°18' 167.86 }
 123.11 @ 3°42' = 122.85 = 122.84
 123.21 @ 4°29' 122.83
 Total 924.97

5
 1 137.52 @ 74°01' = 125.62 = 125.62
 137.40 @ 28.53' 125.63 }
 6 299.83 @ 13°29' 291.57 } 291.55
 299.20 @ 13°00' 291.53 }
 Total 417.17

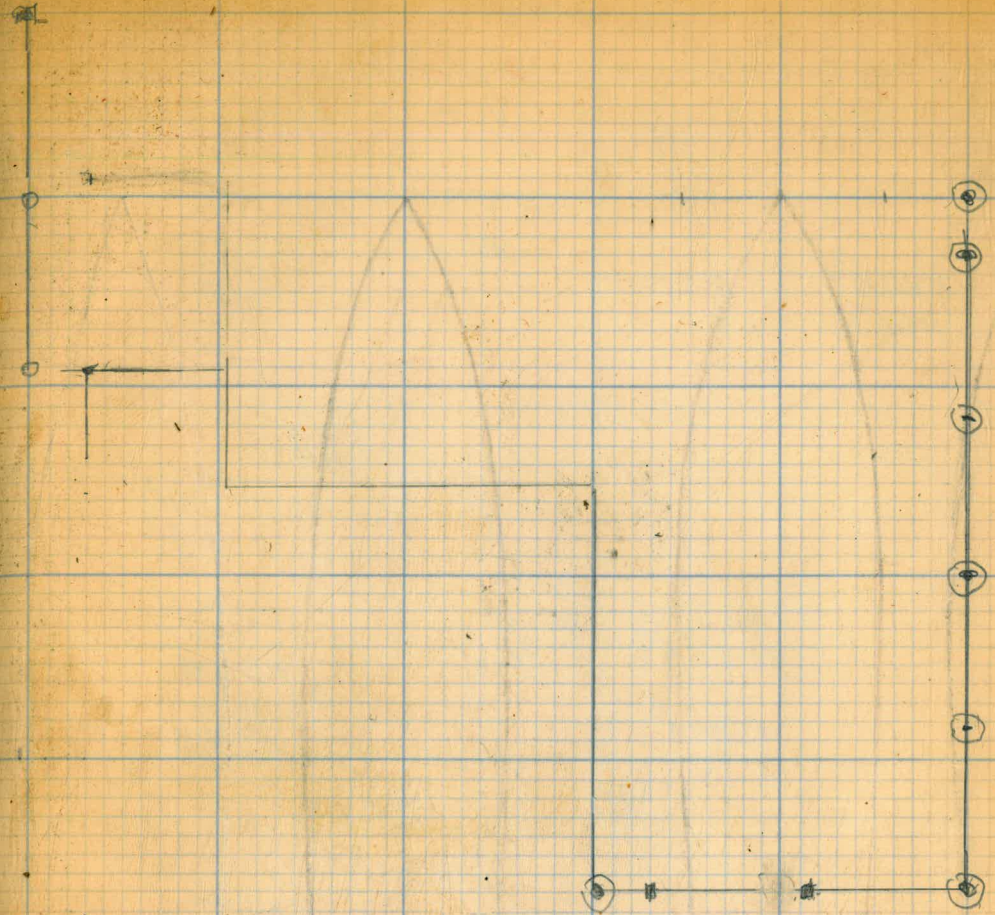
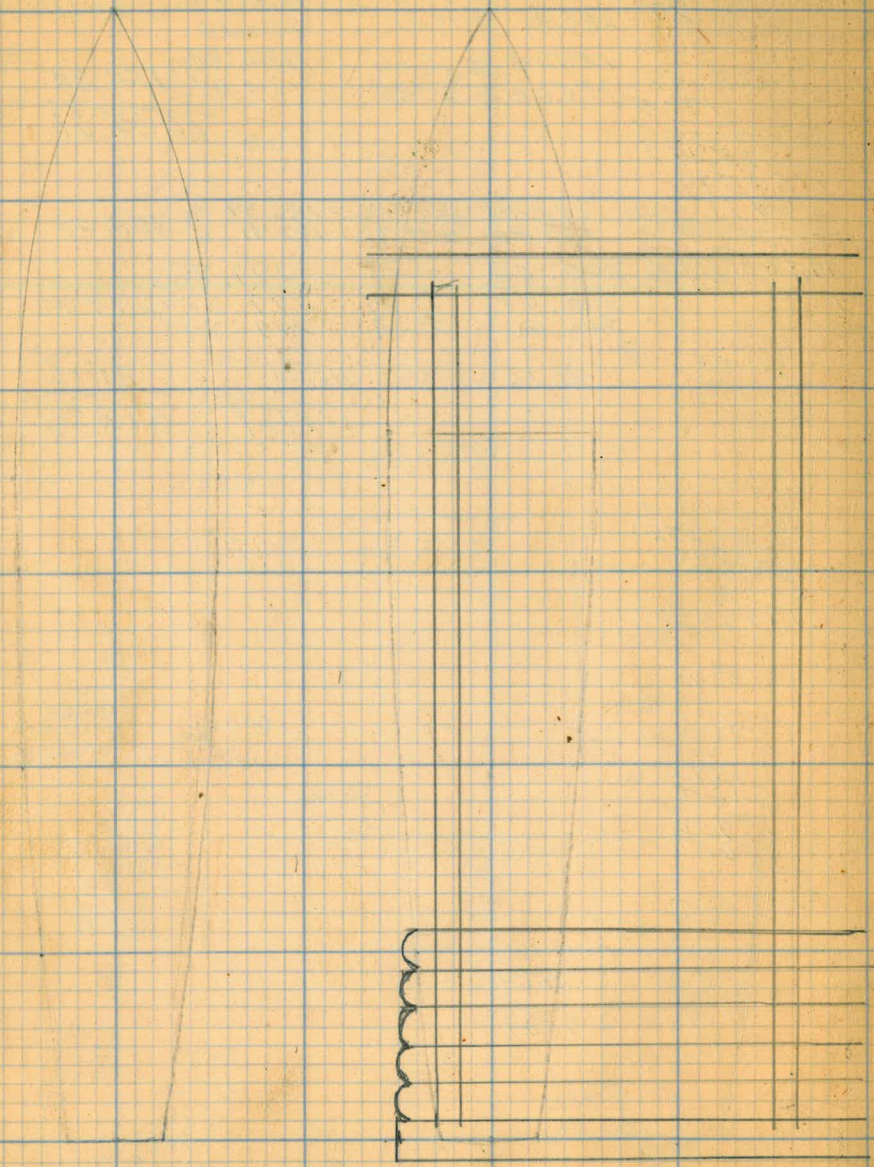
00021 182
 182 00004
 00021 00878
 182
 564
 05822
 220.5
 00014
 9826
 9820
 097020
 02756
 300
 8.20800
 29982
 827
 29152
 00034
 102
 00306
 123
 918
 612
 306
 37638
 00078
 2566
 468
 1500
 106
 172068
 185
 00078
 1480
 1595
 19430
 00021
 182
 364
 03822

297.8
 00099
 26882
 26802
 294822
 297.8
 00083
 2034
 23874
 246274
 00856
 300
 256800
 297.42
 00826
 5178
 01218
 170
 95260
 1218
 207060
 01315
 170
 92050
 1315
 223558
 84
 00219
 103
 657
 488
 219
 26937
 00209
 123
 657
 418
 209
 25707
 371
 28
 24
 3.11
 28
 85
 321
 39
 93

39.35 PT
 297.59 26 300.00 Horiz = 300.00
 297.41 300.36 @ 1°04' = 300.31 } 300.32
 167.84 300.44 @ 1°20' = 300.34 }
 122.84
 42477
 27 220.60 @ 2°16' 220.43 220.41
 220.50 @ 1°42' 220.40 }
 08657 185.04 @ 2°16' 184.90 } 184.88
 137.5 185.08 @ 2°45' 184.87 }
 Total 100561
 43285
 60899
 25871 27 182.43 @ 1°11' = 182.39 } 182.40
 8657 182.42 @ 0°31' 182.41 }
 11893 375 300.02 2°28' = 299.717
 11.90 300.02 2°05' 299.82 } 299.74
 300.00 2°24' 299.74 }
 137.52
 11.90 28 91.16 Horiz 91.16
 12563 Total 51330

08563
 137.4
 34252
 59941
 25689
 8563
 11765562
 13740
 11.77
 12563
 299.2
 02606
 19956
 179560
 5984
 7797556
 299.20
 7.79
 291.41
 2523
 3
 7689
 29920
 7.69
 291.51

00066 300
 19800
 00083 300
 0024900
 00098 300
 26400



11-POSTS

37
 $\frac{37}{2} = 18 \frac{1}{2}$
 1 | 34 | 8' C'

9 POSTS
 $\frac{9}{3} = 3$
 13 POSTS

9848
0157

0162

2026 = 1.99910
0009

29768
0009
29777
8 61
29768
25
29743

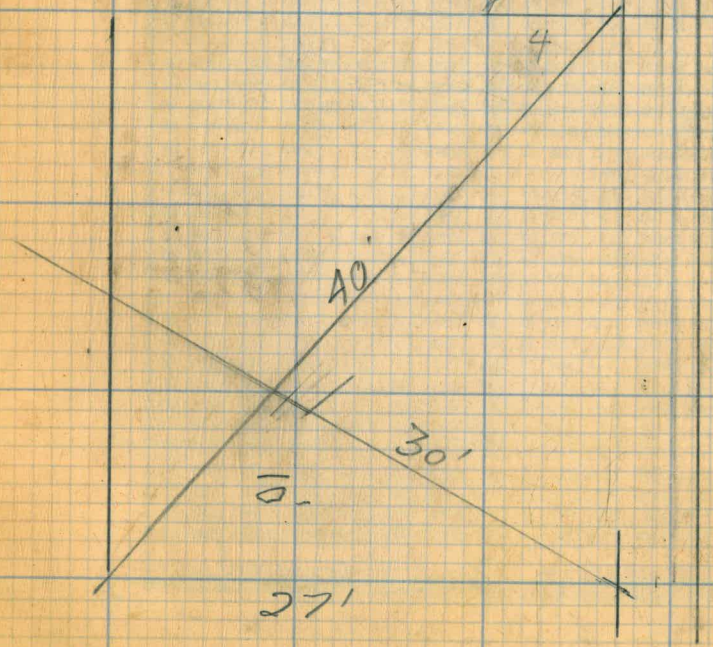
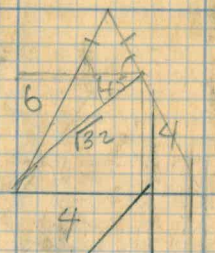
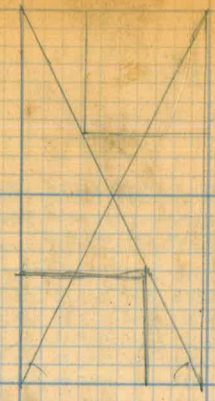
184.18 @ 5° 59'
184.09 @ 5° 21'
79
192.30

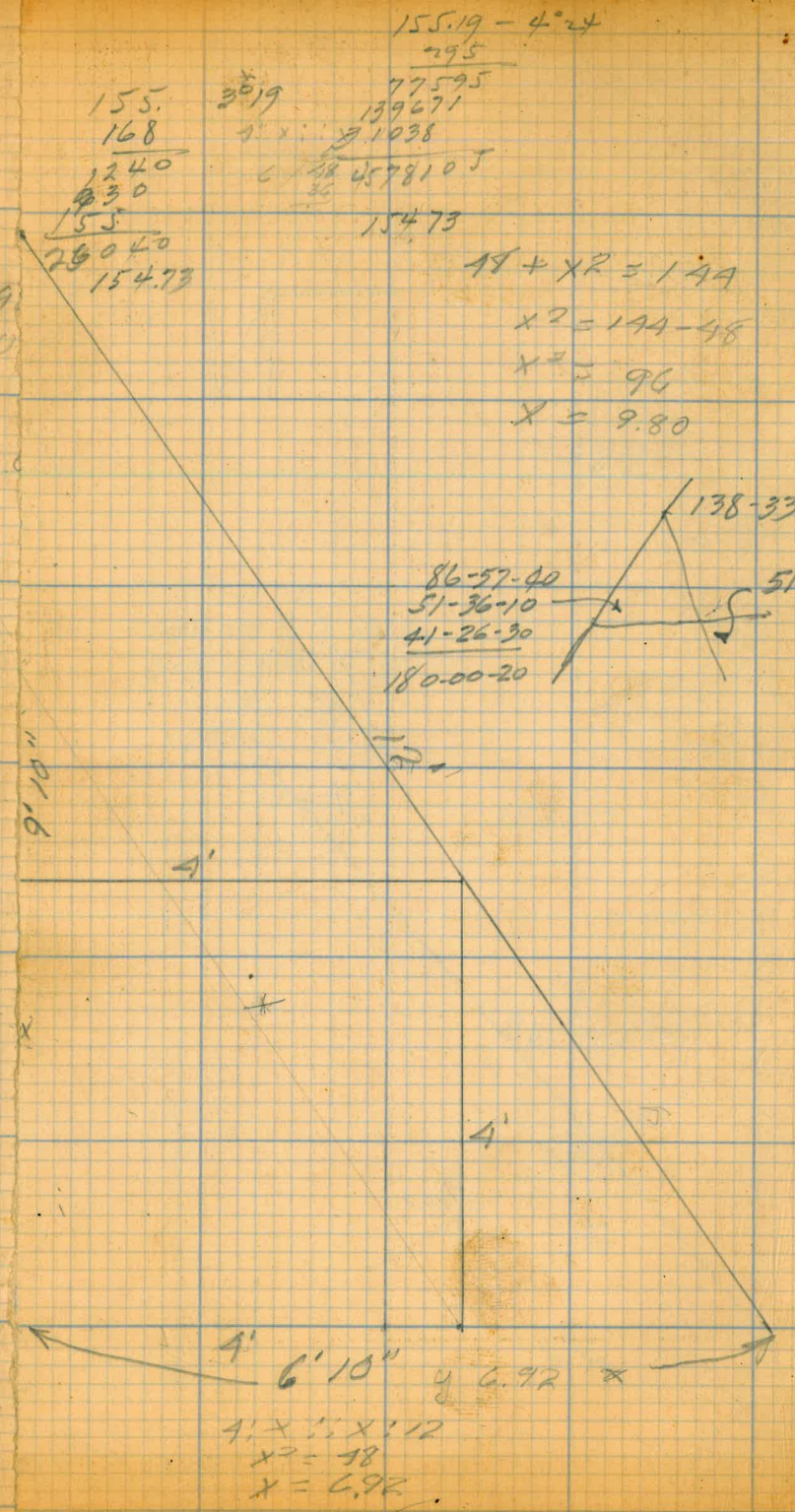
184.09
92
183.17

183.17

184.18
0043
55254
73672
791974

005





NATURAL TRIGONOMETRICAL RATIOS

Angle	Sine	Tan.	Sec.	Cosec.	Cotg.	Cosin.	Angle	Sine	Tan.	Sec.	Cosec.	Cotg.	Cosin.
0	0	0	1.	∞	∞	1.	90	1.	∞	∞	0	0	0
10	.0029	.0029		343.8	343.8	1.	50	.1392	.1405	1.0098	7.185	7.115	.99027
20	.0058	.0058		171.9	171.9	.99998	40	.1421	.1435	1.0102	7.040	6.968	.98986
30	.0087	.0087		114.6	114.6	.99996	30	.1449	.1465	1.0107	6.900	6.827	.98944
40	.0116	.0116	1.0001	85.94	85.94	.99993	20	.1478	.1495	1.0111	6.766	6.691	.98902
50	.0145	.0145	1.0001	68.76	68.75	.99989	10	.1507	.1524	1.0115	6.636	6.561	.98858
60	.0175	.0175	1.0002	57.30	57.29	.99985	0	.1536	.1554	1.0120	6.512	6.435	.98814
70	.0204	.0204	1.0002	49.11	49.10	.99979	9	.1564	.1584	1.0125	6.394	6.314	.98769
80	.0233	.0233	1.0003	42.98	42.96	.99973	8	.1593	.1614	1.0129	6.277	6.197	.98723
90	.0262	.0262	1.0003	38.20	38.19	.99966	7	.1622	.1644	1.0134	6.166	6.084	.98676
0	.0291	.0291	1.0004	34.38	34.37	.99958	6	.1650	.1673	1.0139	6.059	5.976	.98629
10	.0320	.0320	1.0005	31.26	31.24	.99949	5	.1679	.1703	1.0144	5.955	5.871	.98580
20	.0349	.0349	1.0006	28.65	28.64	.99939	4	.1708	.1733	1.0149	5.855	5.769	.98531
30	.0378	.0378	1.0007	26.45	26.43	.99929	3	.1736	.1763	1.0154	5.759	5.671	.98481
40	.0407	.0407	1.0008	24.56	24.54	.99917	2	.1765	.1793	1.0160	5.665	5.576	.98430
50	.0436	.0437	1.0010	22.93	22.90	.99905	1	.1794	.1823	1.0165	5.575	5.485	.98378
60	.0465	.0466	1.0011	21.49	21.47	.99892	0	.1822	.1853	1.0170	5.488	5.396	.98325
70	.0494	.0495	1.0012	20.23	20.21	.99878	9	.1851	.1883	1.0176	5.403	5.309	.98272
80	.0523	.0524	1.0014	19.11	19.08	.99863	8	.1880	.1914	1.0181	5.320	5.226	.98218
90	.0552	.0553	1.0015	18.10	18.07	.99847	7	.1908	.1944	1.0187	5.241	5.145	.98163
0	.0581	.0582	1.0017	17.20	17.17	.99831	6	.1937	.1974	1.0193	5.164	5.066	.98107
10	.0610	.0612	1.0019	16.38	16.35	.99813	5	.1965	.2004	1.0199	5.089	4.989	.98050
20	.0640	.0641	1.0020	15.64	15.60	.99795	4	.1994	.2035	1.0205	5.016	4.915	.97992
30	.0669	.0670	1.0022	14.96	14.92	.99776	3	.2022	.2065	1.0211	4.945	4.843	.97934
40	.0698	.0699	1.0024	14.34	14.30	.99756	2	.2051	.2095	1.0217	4.877	4.773	.97875
50	.0727	.0729	1.0027	13.76	13.73	.99736	1	.2079	.2126	1.0223	4.810	4.705	.97815
60	.0756	.0758	1.0029	13.23	13.20	.99714	0	.2108	.2156	1.0230	4.745	4.638	.97754
70	.0785	.0787	1.0031	12.75	12.71	.99692	9	.2136	.2186	1.0236	4.682	4.574	.97692
80	.0814	.0816	1.0033	12.29	12.25	.99668	8	.2164	.2217	1.0243	4.620	4.511	.97630
90	.0843	.0846	1.0036	11.87	11.83	.99644	7	.2193	.2247	1.0249	4.560	4.449	.97566
0	.0872	.0875	1.0038	11.47	11.43	.99619	6	.2221	.2278	1.0256	4.502	4.390	.97502
10	.0901	.0904	1.0041	11.10	11.06	.99594	5	.2250	.2309	1.0263	4.445	4.331	.97437
20	.0929	.0934	1.0043	10.76	10.71	.99567	4	.2278	.2339	1.0270	4.390	4.275	.97371
30	.0958	.0963	1.0046	10.43	10.39	.99540	3	.2306	.2370	1.0277	4.336	4.219	.97304
40	.0987	.0992	1.0049	10.13	10.08	.99511	2	.2334	.2401	1.0284	4.284	4.165	.97237
50	.1016	.1022	1.0052	9.839	9.788	.99482	1	.2363	.2432	1.0291	4.232	4.113	.97169
60	.1045	.1051	1.0055	9.567	9.514	.99452	0	.2391	.2462	1.0299	4.182	4.061	.97100
70	.1074	.1080	1.0058	9.309	9.255	.99421	9	.2419	.2493	1.0306	4.133	4.011	.97030
80	.1103	.1110	1.0061	9.065	9.010	.99390	8	.2447	.2524	1.0314	4.086	3.962	.96959
90	.1132	.1139	1.0065	8.834	8.777	.99357	7	.2476	.2555	1.0321	4.039	3.914	.96887
0	.1161	.1169	1.0068	8.614	8.556	.99324	6	.2504	.2586	1.0329	3.994	3.867	.96815
10	.1190	.1198	1.0072	8.405	8.345	.99290	5	.2532	.2617	1.0337	3.949	3.821	.96742
20	.1219	.1228	1.0075	8.206	8.144	.99255	4	.2560	.2648	1.0345	3.906	3.776	.96667
30	.1248	.1257	1.0079	8.016	7.953	.99219	3	.2588	.2679	1.0353	3.864	3.732	.96593
40	.1276	.1287	1.0082	7.834	7.770	.99182	2	.2616	.2711	1.0361	3.822	3.689	.96517
50	.1305	.1317	1.0086	7.661	7.596	.99144	1	.2644	.2742	1.0369	3.782	3.647	.96440
60	.1334	.1346	1.0090	7.496	7.429	.99106	0	.2672	.2773	1.0377	3.742	3.606	.96363
70	.1363	.1376	1.0094	7.337	7.269	.99067	9	.2700	.2805	1.0386	3.703	3.566	.96285
80							8	.2728	.2836	1.0394	3.665	3.526	.96206
90							7						.96124

x² + y² = 96

144 - 48 = 96

x = 9.8

9

159

54

5

