

GLOBE, SURVEY.

ENGINEERS'  
FIELD BOOK

No. 403 F

No 14.

90

# EUGENE DIETZGEN CO.

DRAWING MATERIALS, MATHEMATICAL and  
SURVEYING INSTRUMENTS

Chicago New York San Francisco New Orleans Pittsburg Toronto

Distances from Center of Roadway for Cross-Sectioning  
Roadway 16 feet wide. Side Slopes 1 on 1.  
For Single Track Embankment.

H	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	H
0	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	0
1	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	1
2	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	2
3	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	3
4	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	4
5	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	5
6	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	6
7	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	7
8	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	8
9	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	9
10	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	10
11	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	11
12	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	12
13	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	13
14	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	14
15	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	15
16	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	16
17	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	17
18	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	18
19	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	19
20	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	20
21	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	21
22	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	22
23	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	23
24	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	24
25	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	25
26	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	26
27	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	27
28	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	28
29	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	29
30	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	30
31	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	31
32	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	32
33	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	33
34	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	34
35	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	35
36	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	36
37	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	37
38	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	38
39	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	39
40	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	40

Example—If point is 22.6 ft. above grade, how far should it be from center line to be a slope stake point? Ans. from Table 30.6. For same slopes but other widths of roadbed, correct above figures by one-half difference in width of roadbed; thus in example above, for 20 ft. roadbed distance will be  $30.6 + (20 - 16) \times 2$  or 2 ft. added to 30.6 = 32.6. For slopes of 1 on 1½ see inside of back cover.

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*J. Weston.*  
May 4-29



Notes.

Hill and Sutherland St.

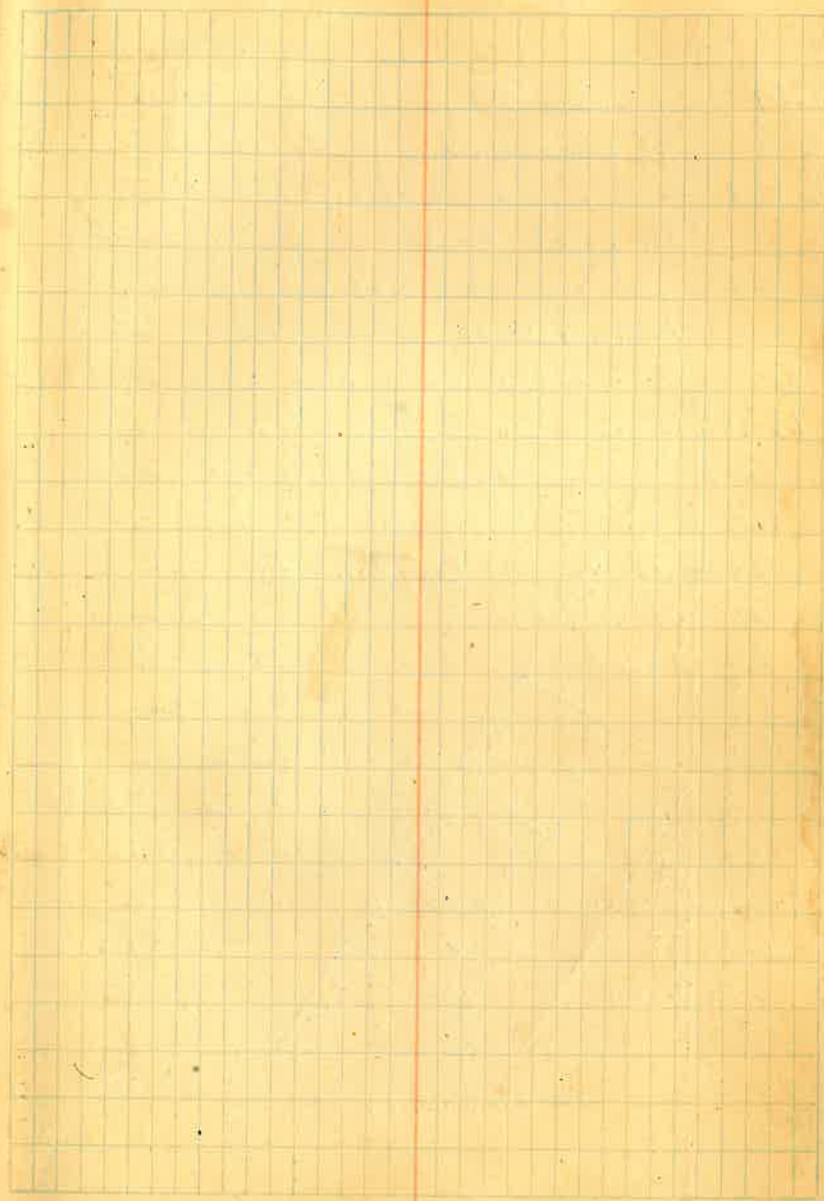
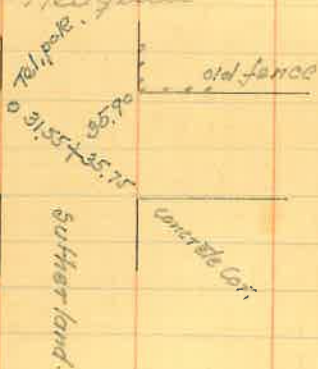
Stone for Es. set by Pendleton  
is 375 W. of standard distance from Broad.

B.7 - p. 47. City Books.

Sutherland & Mesquite

Mesquite

City Book 10 p. 103

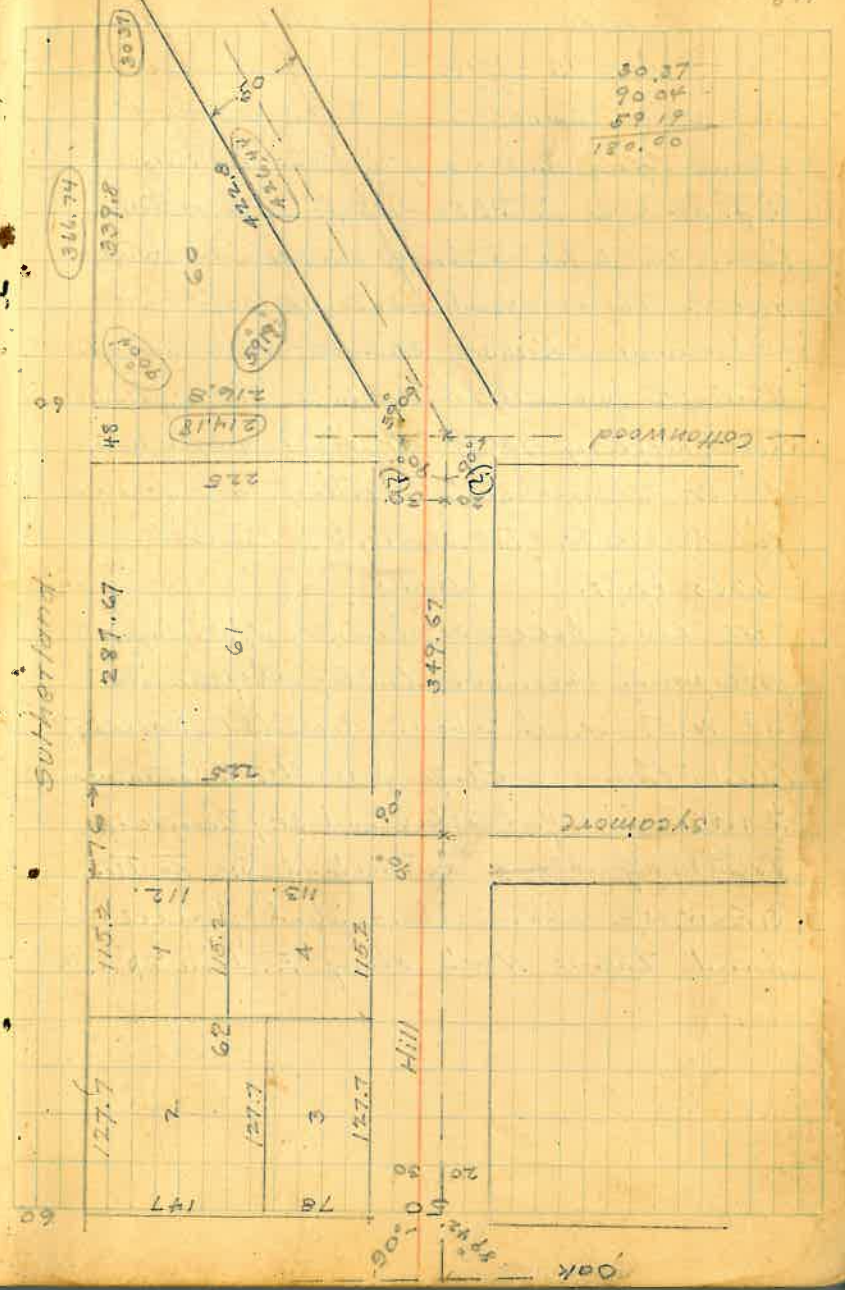


- Lot 1. T.A. Pascoe
- 2 Mrs. Alice Horrold
- 2 A " "
- 3 Mrs. Dennis Murphy
- 3 A " "
- 4 Laura G. Miller
- 5 " "
- 6 " "



Copy from Assessor's Book.

Distances & angles enclosed 8;  
 thus from survey 1910 by JM





EE Horrell & Mrs. Horrell

Aug. 13, - 1913. -

Also all of those two certain pieces  
of land lying and being in Bl. 60. P. 115.  
Beg. at a pt. in Bl. 60 - 172 ft north westerly  
from the intersection of Sutherland and  
Hill St., thence North easterly 100 ft. at  
right angle to Hill St. thence north westerly  
62.5 ft. parallel with said Hill St., thence  
south westerly 100 ft. at right angle with  
Hill St. thence south easterly along east  
side of Hill St. to the p.o.b. containing  
62.5 sq. ft. Also

all that piece of land adjoining the  
foregoing described land; Beginning  
at N.E. cor. of above described parcel of  
land, thence easterly parallel to Cassin wood  
to west line of Sutherland St.; thence  
southerly along Sutherland St. to the  
S.E. cor. of above described parcel of  
land thence N.W.<sup>ly</sup> along E. line to p.o.b.

<sup>m</sup> <sup>6</sup> Margaret Murphy  
3-

Beg. at a pt. on Sutherland St. 75 ft. S.  
of cor. of Sutherland and Cassin wood St.  
thence W.<sup>ly</sup> parallel to Cassin wood to the  
property owned by Margaret Murphy, thence  
along E. <sup>ly</sup> line of said property to S.E. cor. same  
thence E.<sup>ly</sup> parallel to Cassin wood St. to  
Sutherland St.; thence N.<sup>ly</sup> along Sutherland  
St. to p.o.b.

Also

Comm. at a pt. 125 ft. from N.W. cor. Bl. 60. on Hill St.  
thence N.E.<sup>ly</sup> at right angle to Hill St. 100 ft.  
thence S.E.<sup>ly</sup> parallel to Hill St. 62.5 ft. thence  
S.W.<sup>ly</sup> to Hill St. thence N.W.<sup>ly</sup> along Hill St.  
62.5 ft. to p.o.b.

Miller's property 4-5-6

Commencing at N.W. cor. of Margaret Murphy's  
lot in Rt. 60, thence NW<sup>ly</sup> along Hill St.  
62 1/2 ft. thence E<sup>ly</sup> at right angle to Hill St.  
100 ft. thence SE<sup>ly</sup> 62 1/2 ft. thence S.W.<sup>ly</sup>  
100 ft. to p.o.b. also.

Comm. at the cor. of Hill and Cottonwood  
thence 63.3 ft. along the side of Hill St.  
thence 100 ft. N.E.<sup>ly</sup> to Cottonwood St.  
thence along Cottonwood to p.o.b.,  
containing 3125 sq. ft.

also

Commencing at the N.E. cor. of Rt. 60  
thence S. along Sutherland St. 75 ft.  
thence parallel to Cottonwood to Dennis  
Murphy's property; thence N.W. to meet  
Cottonwood at the E. end of lot held  
to Joseph Bonavito, thence E. along  
Cottonwood St. to p.o.b.





Intersect 5 ft. offset line on Hill  
with  $\Phi$  on Sutherland land.

$\Delta$  is  $30^{\circ}56'30''$

K.C. Lot.

Turning  $90^{\circ}$  from line of Sutherland at top  
(strike + in side work, + in corner wall and  
iron pin in rear. All set by Stewart.

$\Phi$  Sutherland St.

From point for N. line, meas. S. along  $\Phi$   
Sycamore

- 199.3 line of Dreamland lot fence to W.
- 369.08 line of Wall to E. on N. side Cottamwood
- 367.8 " " fence to W. " " " "
- 416.15 abt. Pat Row's fence from Ubu. Side

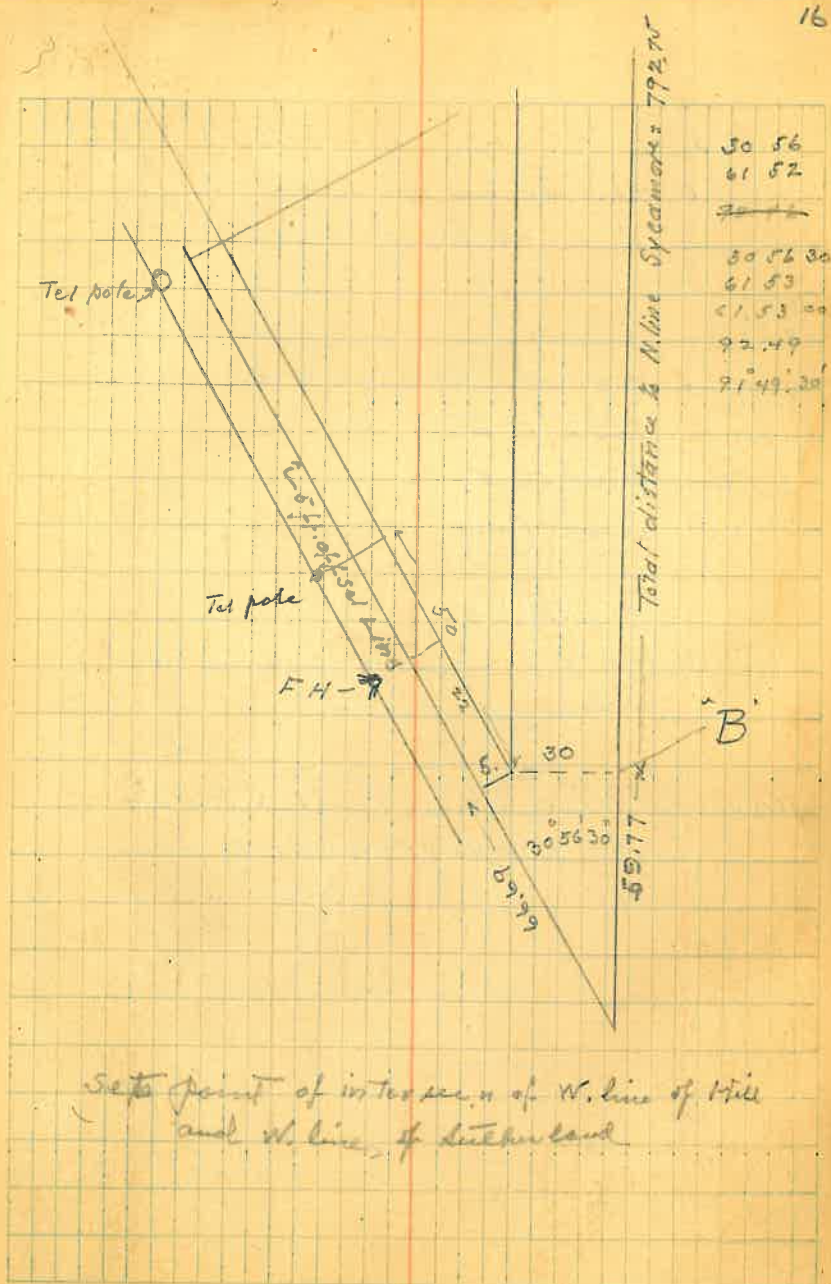
852.52 Intersect pt. of  $\Phi$  of Sutherland  
and 5' off set pt on Hill

- 59.77

792.75 Dist N. line Sycamore to S. pt. Bl. 60

719 To line of Genesis East N. fence

877 To line of Genesis S. line.





Intersect 5 ft. offset line on Hill  
with  $\Phi$  on Sutherland.  
 $\Delta$  is  $30^{\circ}56'30''$

K.C. Lot.

Turning  $90^{\circ}$  from line of Sutherland at rear  
(strike + in side walk, + in corner wall and  
iron pin in rear. All set by Stewart.

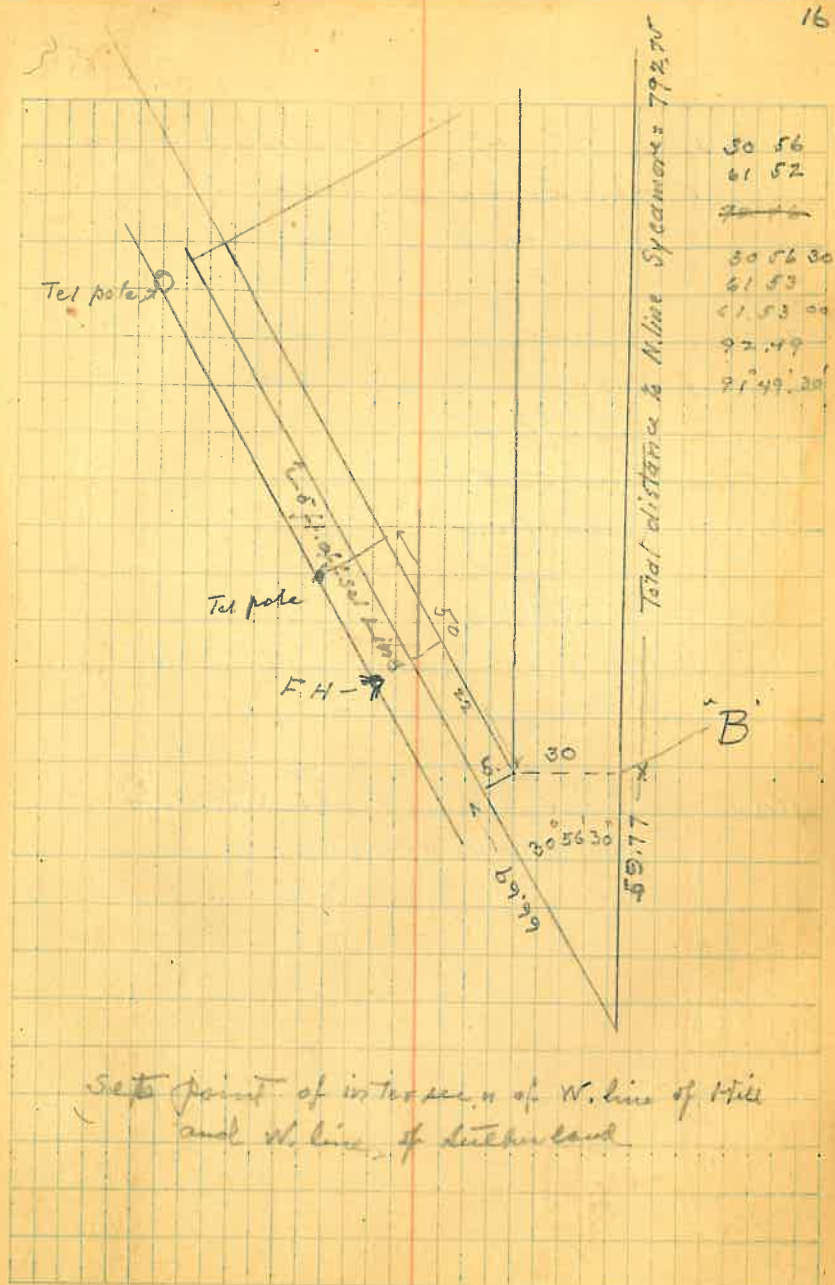
$\Phi$  Sutherland St.

From point for N. line, meas. S. along  $\Phi$   
Sycamore

199.3 line of Dreamland lot fence to W.  
369.08 line of Wall to E. on N. side Cottonwood  
367.8 " " fence to W. " " " "  
416.15 abt. Pat Row's fence from the S. side

852.52 Intersect pt. of  $\Phi$  of Sutherland  
and 5' off set pt on Hill  
- 59.77  
792.75 Dist N. line Sycamore to S. pt. Bl. 60

719 To line of Geneva East N. fence  
874 To line of Geneva S. line.



Hillstreet.

From P.I. Hill & Sutherland being  
S. cor. Bl. 60 meas. N. along  
E side of Hill St.

- 184.1 Old fence line, (and joint in work)
- 247.7 Horrell's N. fence, to E
- 309.7 fence to E.
- 362.75 fence to E.
- 426.00 leave pt. -

- N. line of Lot 1 - 1266

At pt. 184.1 Measured turn 90°  
to E. from Hill st. line.

Note. this line to E. agrees with old  
fence post holes. (Number of post holes  
= 19)

113.36  
99.36  
14.

179 59 60  
59 03 30  
120 56 30

N.W. cor.

1'-3" in work

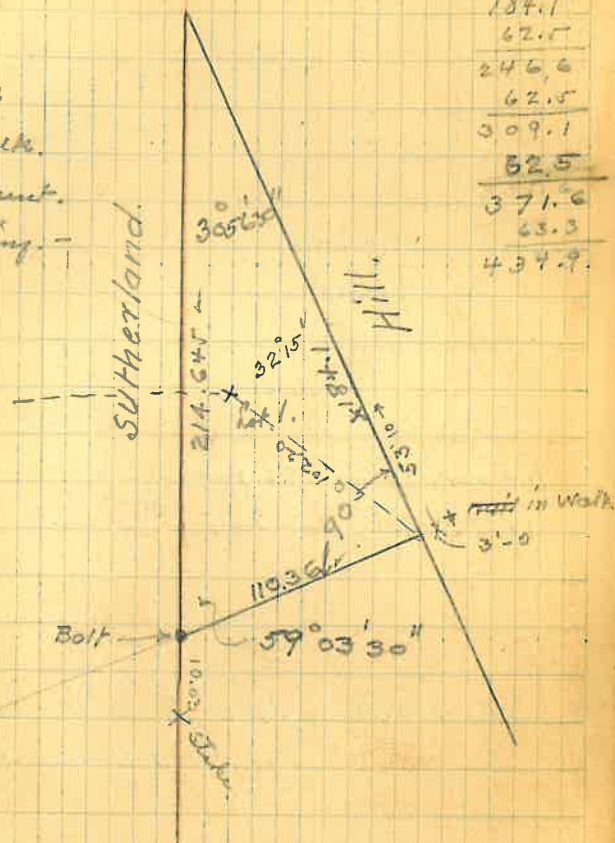
5'-6" in work.

14' 9" to corner.

18' in framing -

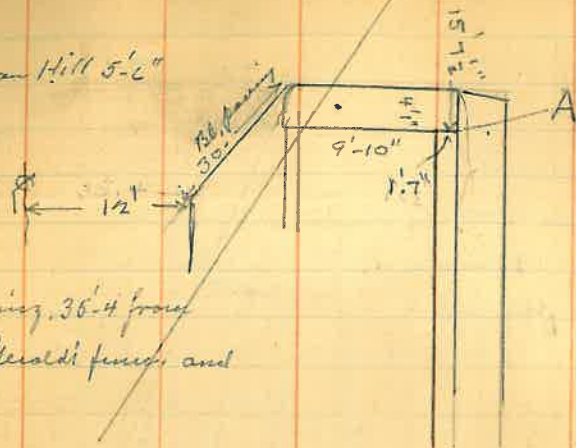
184.1  
62.5  
246.6  
62.5  
309.1  
62.5  
371.6  
63.3  
434.9

179 59 60  
59 03 30  
120 56 30





Wash on Hill 5'-6"



Bl. paving, 36.4 from  
Cerald fence and

N.E. cor. 18'-10" to Bl. paving.  
18' - in Bl. paving.

Extend N. line Lot 1 - E. 36.5 - sewer line  
meas. N. 17.5 to sewer cover

" " " 69.70 point on E. edge  
of East walk on Dillerland

1.7  
5.6  
7.1

BM	6.33	42.82		3536.49
BM	3.64	44.75	1.71	3541.11
			3.64	3544.75
B.M.	8.56	48.59	4.72	3540.03
T.P.	5.76	54.01	0.34	48.25

7.24 46.77

6.2 47.8

7.21 46.80

2.90 51.11

6.10 54.05 48.25

5.19 49.16

5.9 48.4

6.3 48.0

4.6 49.7

5.00 49.3

2.03 49.71 6.67 47.88

5.65 44.06

3.6 46.1

8.0 41.7

8.9 40.8

8.55 41.16

10.14 39.57

17.80 31.91

May 6 - 29

22

J.H. - R.W.

□ cut in curb near F.H. S.E. cor. Oak & Hill.

□ cut " " " " F.H. at S.E. cor. Hill & Sycamore

□ cut in S. end Bridge curb S.E. cor Hill & Cottonwood

inside edge of walk at N.W. cor.

surface 5' E of rear line

± 7' paving

E Edge of walk at pt. A

side walk 71 ft. S. of N.W. cor.

46' E of N.W. cor surface

85' E " " " "

surface 1/2 way on lot at 71 ft. S. of N.W. cor

on 2. line 71 ft. S. of S.E. cor.

T.P. on Rock

Iron least at NE cor.

surface 5' W. of N.E. cor.

8' E at Ra. from NE cor

13 " " " " N.E. "

W. Edge of Bl. p. 13.8 from N.E. cor

sewer man hole cover in Sutherland

Bottom of sewer



7.42	55.10		47.68
		2.63	52.47
		4.03	51.07
		4.03	51.07
		5.05	49.75
		5.30	49.80
		7.38	47.72
		7.3	47.8
		5.5	49.6

5.89	53.57	-	47.68
		3.6	50.0
		6.2	47.40
		4.5	49.1
		6.5	47.1
		6.43	47.14
		6.28	47.29

and Back

P.T. of 30' and 5' lines.

P.T. of lot lines.

P.T. "B"

50' N. on  $\Phi$  of 5<sup>th</sup> St.

50' N. on lot line.

100' N. on  $\Phi$  of 5<sup>th</sup> St.

100' N. 13 ft W. of  $\Phi$

100' N. on lot line

Surface at sewer connection

To the sewer connection pipe.

Surface 10' out from sewer pipe

" 13

edge of black paving

paving over 10' sewer

Survey of the North 18 ft.  
of Lot 10 in Bl. 3 - East Globe.

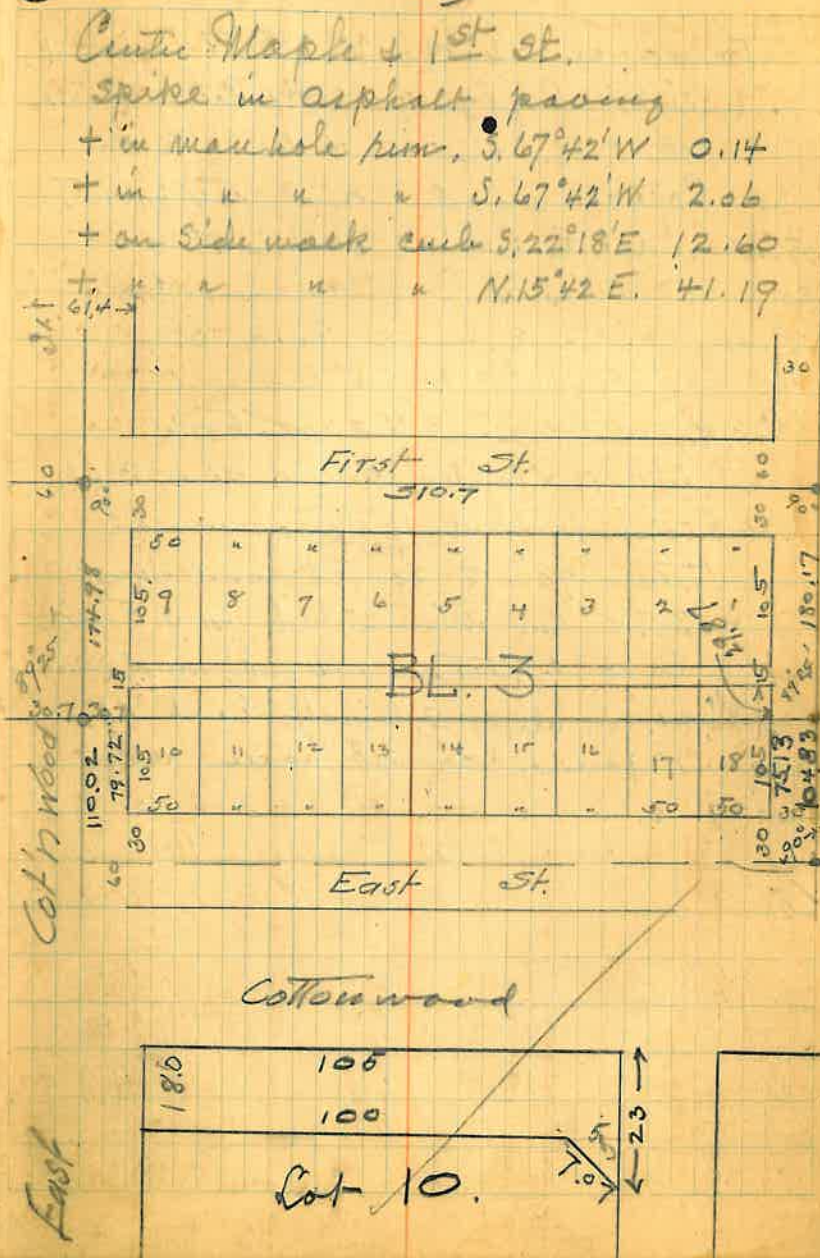
Center Cottonwood and 1st st  
Bolt in asphalt paving  
+ in side walk curb N. 54° 46' W. 36.57  
+ " " " " N 23° 43' E 29.56  
+ " " " " S. 57° 47' E 29.40  
+ on Man hole rim N. 67° 42' E 2.39  
+ " " " " N. 67° 42' E 3.56

Center Cottonwood and 2nd  
Brass tube in cement block. 8" below  
+ on fire plug, 4" above ground  
N. 68° 30' W 33.99  
+ on S. face of concrete wall 8" above  
N. 22° 12' E. 43.00

Center Cottonwood and 3rd  
Brass tube in cement block - 8" below  
+ on fire plug 6" above  
N 20° 10' E 29.39  
Nail in tel pole S. 73° 47' E 35.09

110.04  
194.98  
285.00

Frank H. Mitchell, 26  
(Tel., Inspiration N. 3) & wife.





June 20 - 29

Tr. at point for Ch. 1<sup>st</sup> & Cottonwood  
 sight an pt. for Ch. 2<sup>nd</sup> & Cottonwood  
 extend this line W. as being C. of  
 Cottonwood and set points

135.00 - dist. to E. line of alley in Blk. 3  
 150.00 - " " W " " " " 3.  
 255.00 " " E. line of East st.

Cor. Concrete wall - N.E. cor. East  
 is 0.65 N. and 0.08 W. of corner Block.

at 255.00 from C. of Cottonwood  
 turn 90° to South, and meas.  
 30.7 and drive 2" hub for S.E. cor  
 East & Cottonwood, and

Meas. S. along E. line of East st.  
 49.9 N. face of concrete wall  
 100.27 S. " " " "

29

Aug 17 - 29

Side walk loc<sup>n</sup> and grade  
N.W. cor. Cottonwood & 2<sup>nd</sup> st.

Jm & Herb. Woodward

Located center points. Cottonwood and  
1<sup>st</sup> street & Cottonwood and 2<sup>nd</sup> st.

Set once center pt. on 2<sup>nd</sup> street. -

Locate center line by 90° turned  
from C. of Cottonwood st. -

also set the S.W. cor. and  
N.W. corners of intersection  
of said streets. -

Curb for fence along Purdum's lot (N.E. cor.  
Cottonwood and 1<sup>st</sup> st) at the alley  
is 0.62 over on Cottonwood and  
0.16 over in the alley. - (see marks)

2<sup>nd</sup> st. is a Side Hill Street. 30  
making walk on west at lower  
end - show walk on E. side. -

Note - Cottonwood is 61.40 wide, or 30.7 - 1/2 ft.

Grade established for Side Walk  
along Cottonwood and along  
2<sup>nd</sup> st. -

assumed elev<sup>n</sup> of Top fire plug Cor<sup>n</sup> of 2<sup>nd</sup>

BM	0.33	100.33		100.00
N.E. Cor.			0.8	99.5
47 <sup>th</sup> N. line			1.4	98.9
N.W. cor			3.2	97.1
Elev <sup>n</sup> - N.E. cor.				100.00
on C.L.				99.00
at N.W. cor. - 6 in				98.00
side walk W. of alley		10.00		90.33
Surface E of "		9.33		91.00
Elev <sup>n</sup> for walk E. of alley 6 in				91.50
T.P.	7.24	107.12	0.45	99.88
50 N. on 2 <sup>nd</sup>				
E side st			00	107.1
C			2.2	104.9
W. side Surface			4.5	102.6
Elev. walk W. side to be			3.0	103.6
Center of fence abt 97. N.			0.57	106.55
" " Grade to be				106.55



# Retaining wall along Hackney Wash

Length 404 ft.

Apr. 30 - 1935

Sycamore St. betw. Broad & Hill

To pave both sides of Bl. pavement with Concrete Slab.

Broad St. end. N. side 11 ft. south side 11 ft. along N. side 129 to E. side alley

12.7 ft. to cur gutter

18 ft. to walk. Thence

from 129 ft. 171 to Hill st. at which space is 21 ft wide

South side at Hill st. 10 ft wide length to Broad 300 ft. except at alley. deduct 3x18 at Broad 11 ft space

Oct. 11 - '29

880 sq. yds of 6" concrete Slab. and including exc. n at \$3.30 approx. cost \$2,900

11.5 x 129 = 1483 sq. ft.

19.5 x 171 = 3335 " "

(10.5 x 300) - (3 x 18) = 3096 sq. ft.

Total 7914 Sq. ft. = 880 sq. yds.

Total 146 Cu yds x 6 = 876 Sacks Cement

33

34

1 x 1.70 x 30 - at Murphy  
1 x 2.0 x 69 at Harkin's bridge







37

Total on Broad Street.

Rec.	Meas.	allow	
48.50	48.02	48.56	0.54 N.
98.80	99.39	98.92	0.47 S.
160.00	160.37	160.19	0.18 S.
251.3	251.60	251.60	0.00
Surplus 0.30			

Alley in Block 76  
from Cedar meas S. along  
West side of alley.

Trust bldg is 2 1/4' <sup>in</sup> on Cedar  
street.

0+00	S. line of Cedar.
48.87	S. face of Trust Bldg.
+ 99.04	N. face Sultan Bldg.
+ 61.01	
160.00	S. face Sultan Bldg.
92.48	
252.53	Turning 90° on Broad. but
251.60	using the angle of 89° 28' at Broad. To con-

Rec.	Meas.	allow	
49.20	48.87		0.33 N
99.00	99.04		0.04 S.
161.10	160.05		0.05 S.
251.60	251.60		0.00

Record distances.

Run W. line of alley by 150.56 E. of  
C. of Broad & Cedar. & 151.39 E. of  
C. of Broad and Oak.

N. line Trust Bldg.	is right (to Cedar)
S. " " "	0.10 E.
N. " Sultan Bldg	0.35 E.
S. " " "	0.29 E.
N. " Court house	0.15 E.
S. " " "	0.20 E.

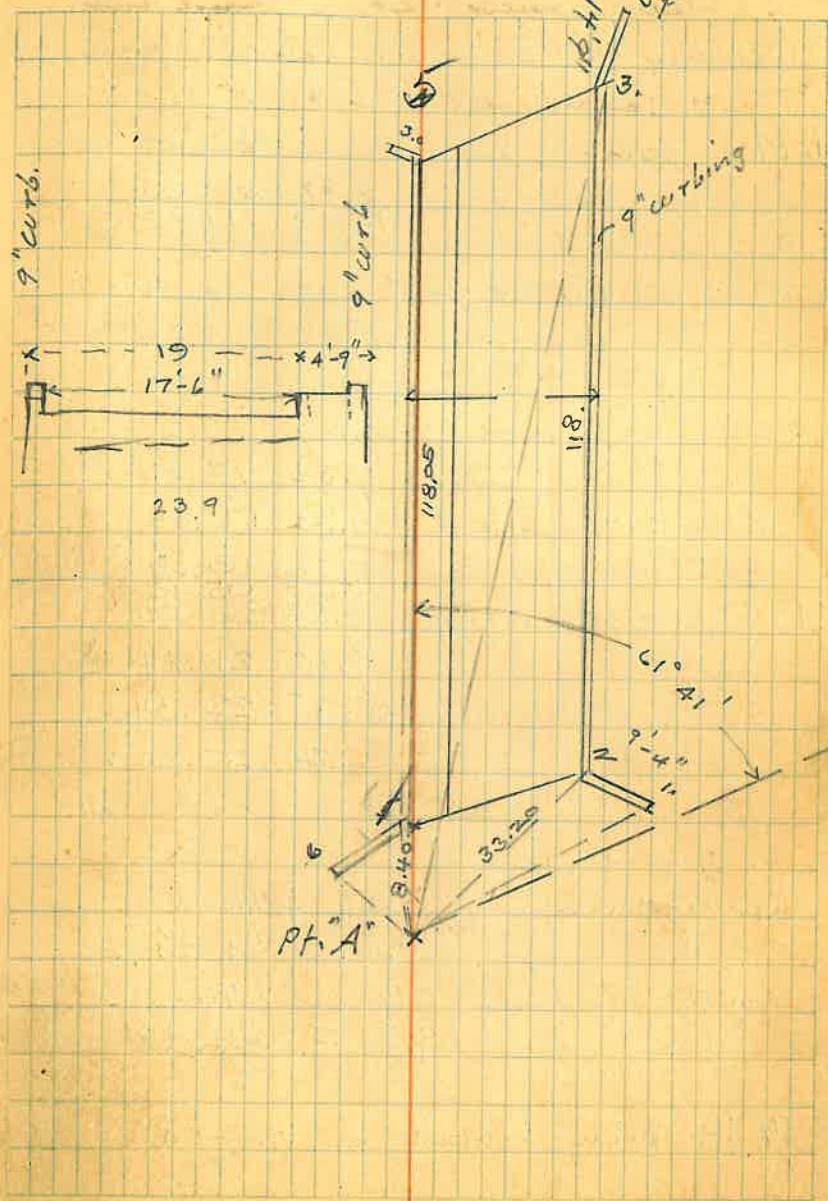
form with slope distance at Hill  
and on which angle I made this survey.



39

Trans. E. line of Howard St.  
by Bl. corner set. and find.

S. line of Transit. Bldg. is  $0.37$  W.  
N. " " Sultan "  $0.02$  E  
S " " " "  $0.18$  W



Elevation in connection with  
Survey of Globe Theatre property.

B.M.	1.06	26.06	3525.00
			4.33 3521.23
T.P.			14.00 - 11.98
T.P.	3.52	24.36	0.62 25.44 ✓
			5.22 20.84
			5.82 15.54
			6.09 18.27
			7.07 17.29
			7.00 17.06
T.P.	4.01	21.05	7.32 17.04
			7.36 13.69
T.P.	7.127	27.99	15.60 05.45
			0.33 20.72
			6.11 21.84
			5.65 22.34
			2.57 25.45 ✓

Drain Man hole Oak & Broad  
20 ft. E. of Ch. Jk.  
" " Cedar & Broad  
9 ft. E. of Ch. Jk.

14 ft. wide walk on Broad.

4.83  
7.25  
14.08

on court house

Drain cover at Oak on Broad  
Bottom  
on walk panel end of alley  
N. end of lower court house step,  
Side walk at SW cor. property  
" " " gutter  
" " " N.W. cor. property  
" " " gutter.

Drain cover - Cedar & Broad  
Bottom

Alley elev. at N. line  
" " " S. "

11.78  
05.45  
6.53

5.15.2  
505.88  
6.32.

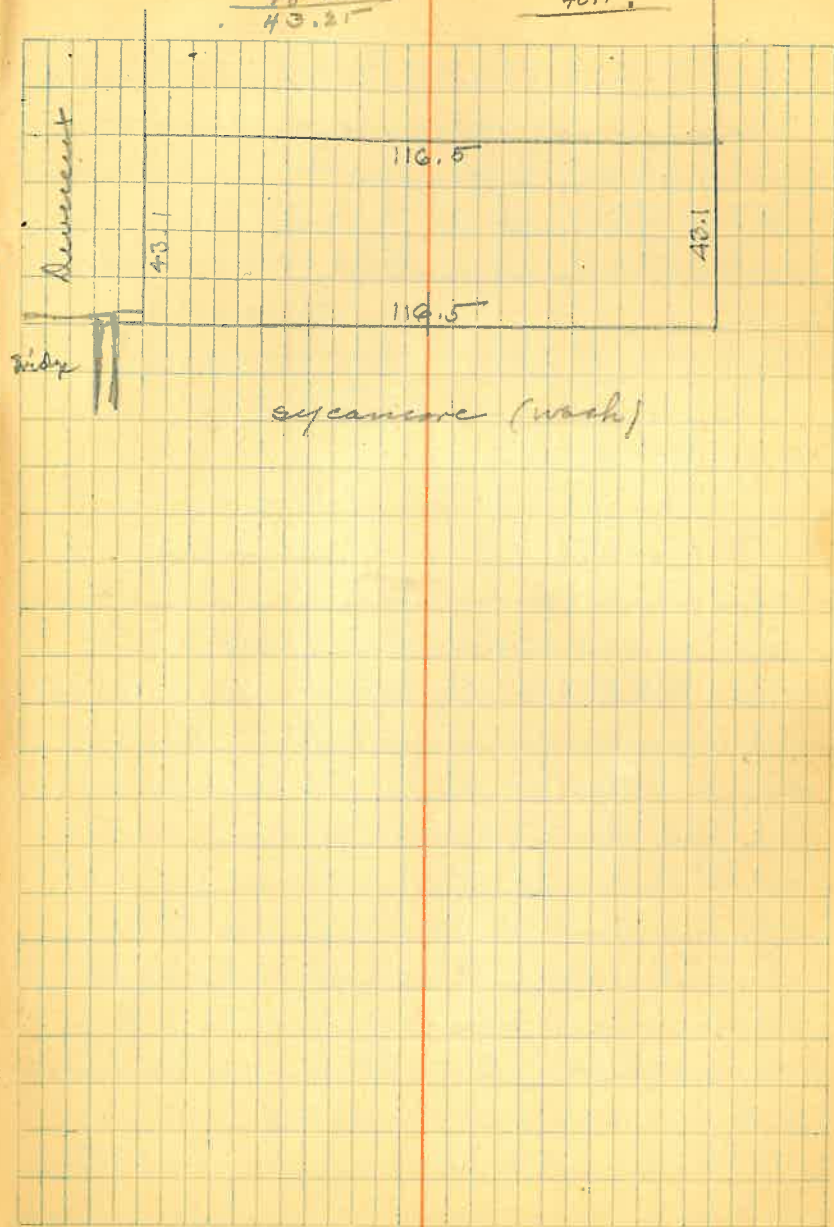


Survey of concrete wall  
along - lot at N.E. cor. Dycamore  
and Duquesne (J. Hutton's property)

761.45  
18.20  
43.25

45.15  
43.1

44



Feb. 1<sup>st</sup> 1911 - Owen M. Kivett  
was paid demand of \$1500.<sup>00</sup>  
for purchase of right of way in  
North Globe of  
Warrant Number 844. -

Book 17 - p. 324. - Rec. of Deeds.  
Jan. 31 - 1911. -

Owen M. Kivett

to  
City of Globe.

Lots 45 and 46 in N.E. 1/4 of N.E. 1/4 of  
sec. 26. - except that portion of  
said lots 45 & 46. Beg. at the N.E. cor. of lot  
45, thence southerly along westerly  
line of Broad St. 93 ft. to the N.E. cor. of  
lot 46; thence southerly along westerly  
line of Broad St. 9 ft.; thence northerly  
9 ft. m. o. l. to the northerly line of 46;  
thence northerly 52.5 ft. to a pt. 10 ft west  
of the westerly line of Broad St.; thence  
northerly 25 ft. to a pt. on the bank  
of Pinal Creek 36 ft. south westerly  
from the north east corner of said  
lot 45; thence north westerly along

said bank of Pinal Creek 36 ft. to the p.o.b.,  
which said excepted ground was  
deeded and conveyed by the party of  
the first part to the Gila Valley, Globe  
& Northern R.R. by deed June 21<sup>st</sup> 1907. Rec.  
in B.N. - p. 174 & 175

Owen M. Kivett

Rec. June 21 - 1907

B.N. - p. 174 & 175

to  
Gila Valley Globe and Northern

a fractional part of lots 45 & 46. Beg. at  
the north east cor. of lot 45, being intersection  
of Broad and Pinal Creek and running in a  
north westerly direction along west side of  
Broad St. 93 ft. to the north east cor. of lot 46,  
thence in a north westerly direction along west  
side of Broad St. 9 1/2 ft. to a cor.; thence in a  
northerly direction 9 1/2 ft. to a point on the  
north line of said lot 46. 3.4 feet from north  
east corner, thence continuing on the same  
line 43 ft. to a pt. 10 ft. west from east line  
of said lot 45, and thence in a north westerly  
direction 25 ft. to a pt. on the north line of said  
lot 45, same being on bank of Pinal Creek; thence  
north westerly along creek bank 36 ft. to p.o.b.

See Jan 10 - 1918 - The above RR. to City of Globe  
P. 5 - B. 32.







Location of Bank of Pinal Cr.  
by Stadia.

Transit over old Broad St. pt. at  
Globe Hardware Ware House = P.N. 4.  
of Pendleton - set on a point on  
Buffalo peak. and turn

N.W. bank of Pinal creek

L.		120. E. of Bridge
	102° 10'	
	84° 25'	115
	64° 40'	140
	53° 25'	173

S.E. bank of Pinal creek

L.		
	153.20	95.
	130° 20'	57
	74° 20'	38
	41° 00'	73.
	34° 30'	115

Transit over Ph.A. from angle pt.  
in old Broad St. = N. 4 of Pendleton. turn  
N.W. bank of Pinal Cr. - W. of bridge

L.		
	152° 30'	180.
	144° 0'	150
	126° 30'	112
	104° 30'	92
	63° 20'	120

S.E. side bank of Pinal creek.

L.		
	172° 20'	100
	165°	56.
	70°	10'



Location of Broad St. bridge  
at N. end of City.

1	L 4.57	outside cor. of wrap
2	L 7°28'	
3	L 52°22'	
4	52°07'	
5	61°41'	
6	146°10'	

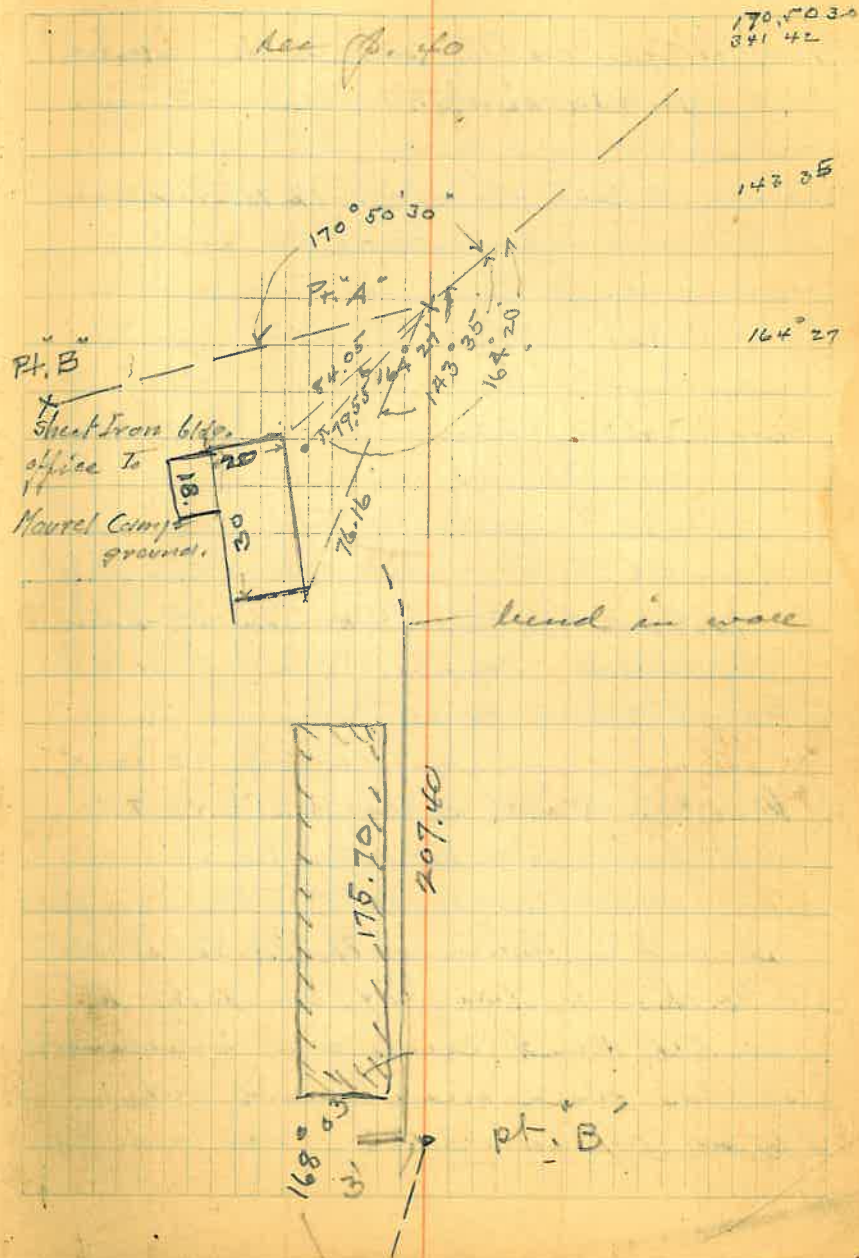
see page 40

Set pt. 3 ft. out in the creek from the N. end  
of Mammel's concrete wall.

Tr. at pt. A. from Angle pt. N. of Turn to  
Pt. B - to L. 170°50'30" - Dist. 100.18

Tr. at pt. B' - from pt. A' turn to R  
R. 168°03. on a line that is  
3 ft. N. and parallel to Mammel's  
concrete wall along creek.

Meas. 4.00 East end cottages.  
207.4 Bend in wall





57

Transit over angle point in front  
of Murphy St. Bighorn N. 4.

Turn to L.  $47^{\circ} 26' 30''$  to NE cor  
Dist 57.18

L.  $158^{\circ} 19'$  to S.E. cor  
Dist 60.80

Length along belly =  $101.6'' \times 22.2''$

17 - 163. - 1910

17 - 318.

Arizona Eastern R.R. to City of Globe.

May 2 - 1910

B17 - p. 318. -

All of the R.O.W. of the party of the  
first part as delineated on a map on  
file in the office of the City Clerk of said  
City, with a petition of the Pila Valley Globe  
& Northern Railway Coy. the right to  
cross the streets, creeks and intervening  
ground above mentioned, the same  
being 60 ft. in width, beg. on the

Southerly side line of Silver Str. as delini-  
ated on said map, thence running N.  $4^{\circ}$   
into Broad St. beyond the Wedg Saloon  
in North Globe, said right of way lying  
and being in Silver Str., thence westerly  
across the intervening ground into,  
along and in Scott St. and across  
Blk. 91 Globe T.S. to the westerly line  
of said T.S.; thence westerly across  
lots 15 and 63 in Lot 1 of Sec. 26, N. 4,  
T.S. and across certain numbered  
lots or plots of ground marked on  
the map of said N. 4, T.S., and lying  
between the westerly boundary of the  
C. V. C. & N. R. R.'s R.O.W. as marked on  
said transit map and the westerly  
side of Broad St.

Also that wedge shaped piece of  
ground, being the southerly end  
of Blk. 91, C. T. S. marked in yellow,  
and described —









59

Resolution No. 300.

To construct side-walk <sup>Block 65</sup> in front of each and every lot on <sup>North side</sup> Mesquite St. betw. Hill and Sutherland streets.

Along southerly 160 ft. of Blk. 54, being along easterly side of Sutherland St. betw. Cedar & Mesquite; said walks to extend from south west cor. of said Blk. 54 northerly to the present walks in said Block.

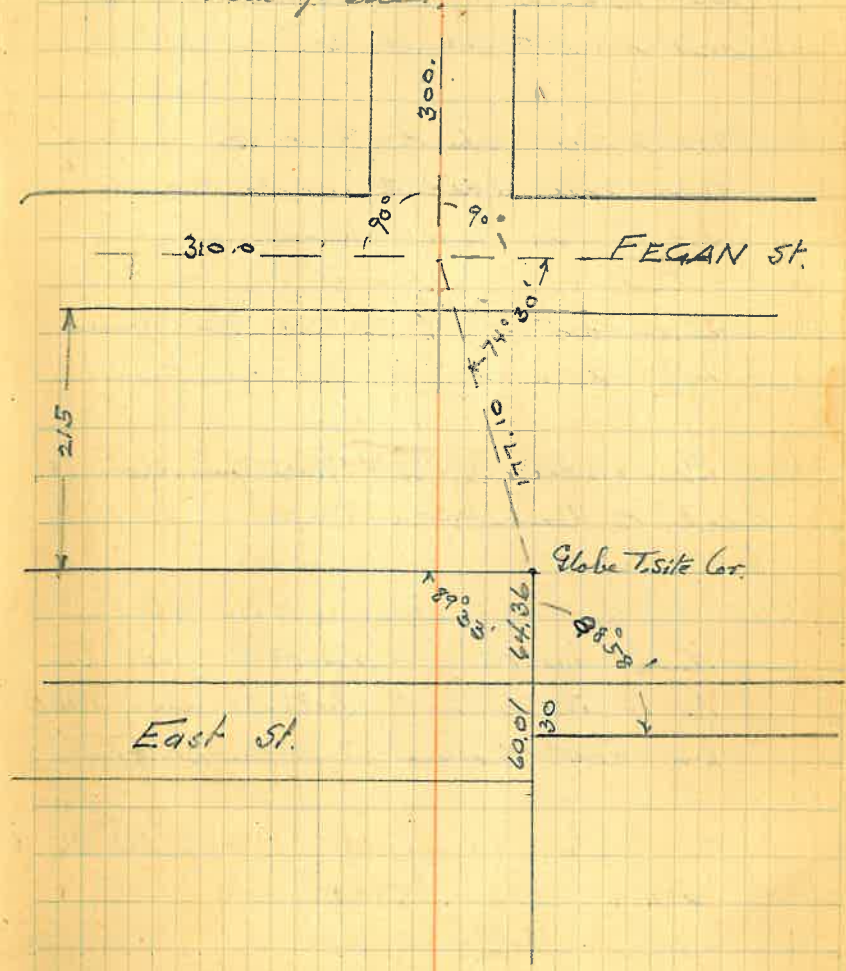
Along every lot in Blk. 54 on north side of Cedar St. betw. Sutherland and Deveraux.

Along every lot in Blk. 54 on west side of Deveraux St. betw. Mesq. & Cedar where walks has not been constructed.

Along every lot in Blk. 54 on the south side of Mesq. St. betw. Hill and Deveraux, where walks are lacking.

Ordinance 64474 -

width of walk to be 1 ft. for each foot of width of street.



Survey for location of  
Side-walks bordering to  
Blocks 54 and 65 - G.T.S.

Sutherland St. -

Center line by Transit points  
at Cedar + at Mesq.

Cottonwood - Ck. by 90° Round  
left from Ck. of Sutherland

Set Ck. intersection Bailey and  
Sutherland.

Set pts for Ck. intersection Mesq.  
and Hill and for  
Ck. intersection Bailey and Hill  
by Res. distance from Sutherland

Apr. 8-9-10

Block Corners:

Cedar St. and Sutherland.

N.W. cor.

Round  $\frac{1}{2}$ " iron set. 0.65 E. and  
0.90 N. of Stone wall corner.

S.W. cor. (Kegan)

+ cut in curbing near Rock-wall cor.

S.E. cor.

+ cut on top of concrete corner  
post.

N.E. cor.

Round  $\frac{1}{2}$ " iron. -

Cedar and Deverest.

N.W. cor.

Round  $\frac{1}{2}$ " iron, about 3" S.  
and 7" E of Rock wall cor.

S.W. cor.

Round  $\frac{1}{2}$ " iron, 2.30 W. and  
3.20 S. of side walks



Cedar and Devereux Continued  
S.E. cor. + cut in top of concrete post cap. (E corner of two masses)

N.E. cor. Round  $\frac{1}{2}$ " iron.

Merquitt and Devereux


S.W. cor. - Stake and nail, abt. 12" E and 13" N. of corner of porch. -

S.E. cor. stake and nail inside of fence cor.

N.E. cor. Round  $\frac{1}{2}$ " iron inside of fence corner.

N.W. cor. Round  $\frac{1}{2}$ " iron. 19" N. and 6" W. of fence cor.

Merquitt and Sutherland,

N.E. cor. - old peg. is correct for N. line of Sutherland. Square 4" post is marked for line to North and to E.  - old peg is  $1\frac{1}{2}$ " W. of cor.

N.W. cor. + cut in top of low concrete curb.

S.W. cor. + cut in wood above street sign.

S.E. cor. + cut in side walk, abt. 3" N. of concrete part. -

Hill <sup>any</sup> Merquitt

S.E. cor. - square bridge spike.

N.E. cor. + cut in top concrete step

49  
Hill and Bailey

S.E. cor. V. mark - 8.27 south  
of concrete wall cor.

N.E. cor. - Bq. bridge spike  
1.15 North of center of  
old cedar post stump

Dutherland and Bailey

S.W. cor.  $\frac{1}{2}$ " round iron 6' S.  
and 12" E. of concrete wall  
corner.

S.E. cor. Round  $\frac{1}{2}$ " iron under  
fence - 5' 8" S. of fence cor.

N.E. cor.  $\frac{1}{2}$ " round 8" S. and 12" W.  
of small steps - or. 5' 8" N.  
and 8" W. of concrete curb  
corner.

N.W. cor.  $\frac{1}{2}$ " round iron -



Dec. 5 - 30

Survey of parcel of ground  
Sold by City of Globe to  
Geo. Stephens - in  
Sec. 5 - 26 & 35. - N 15

South line of Sec. 26 by Sec. cor.  
on Tower Hill (SE cor. Sec. 26) and  
orig. S. 1/4 cor. at Stephens Homestead  
Iron set under E. Cemetery fence  
is OK for line.  
Set stake in cemetery, top of hill  
" " in center sand wash

Set over S. 1/4 cor. Sec. 26 and from  
S.E. cor. sec. turn to N. 89° 20' 30"  
and run line to Norcok.

Jm. + P.W.

Distance	S. 1/4 Sec. 26 - East on S. line
339.97	- Hub in wash.
+ 259.57	- " " "
<u>599.54</u>	Hub on ridge.
30	

(89° 20' 30")

M

Tr. at 4. - sight on Sec. line E.  
 R.  $109^{\circ}53'$  to 5 - 102.90  
 L  $52^{\circ}12'$  to 5 - 362.6

Tr. at 3. - sight on 4  
 L,  $176^{\circ}38'$  to 2. 139.9

Tr. at 2. sight on 3.  
 L.  $145^{\circ}37'$  - 317.3 to 1/20 wide

Tr. at 5. - sight on 4 -  
 R.  $152^{\circ}02'$  - 170.0 to 6

Tr. at 6. - sight on 5.  
 L  $122^{\circ}00'$  159.50 to 7

Tr. at 7 - sight on 6  
 L  $144^{\circ}48'$  209.0 to 8

- 4 - 20
- 5 - 20
- 6 - 20 wide.
- 7 - 25
- 8 - 10 to E N to W

- 3 - widens out to 20
- 2 - two washes 20 wide in most was. 10 - East
- 1 -

Dec. 8-30

72

N & S.  $\frac{1}{4}$  line at run at random S. from  
 N.  $\frac{1}{4}$  cor. Sec. 35. - strikes 25 ft East of  
 the S.  $\frac{1}{4}$  cor. =  $\Delta 0^{\circ}16'16''$  for correction.  
 There is 1 Turn to R.  $0^{\circ}16'16''$   
 Tr. over SE cor. Sec. 26. from Sec. line  
 to W. ( $S. 89^{\circ}00'50'' W$ ) turn  $90^{\circ}$  to L.  
 and run  $S. 0^{\circ}9'10'' E$ , on random.

1) 285.18 stakes  
 + 531.64 "  $\frac{531.85}{1^{\circ}38'}$

2) 816.82 1.5 L to an old stake.  
 490.66  $\frac{491.0}{-2^{\circ}12'}$  360  
 $\frac{154}{110}$

3) 1307.48  
 Turn to R.  $162^{\circ}50'30''$   
 Dist 374.43  $S. 17^{\circ}18'40'' E$   
 $210.35'$   
 Turn to R.  $449^{\circ}24'30''$   
 Dist 96.86  $\frac{98.16}{9^{\circ}20'}$   $S. 23^{\circ}16'20'' W$ .  
 Turn to R.  $182^{\circ}38'30''$   
 Dist 479.73  $\frac{486.30}{9^{\circ}25'}$   $S. 25^{\circ}45'' W$ .

Turn to R.  $158^{\circ}42'30''$   
 Dist 387.59  $S. 4^{\circ}37'20'' W$   $\frac{388.75}{4^{\circ}30'}$   
 to E  $\frac{1}{4}$  cor. Sec. 35. -



E 4 W  $\frac{1}{4}$  line Sec. 35.

From last corner of meander.  
 (p. 72) Tr. over E  $\frac{1}{4}$  cor. sec. 35  
 turn to  $\angle 85^{\circ} 22' 40''$  and  
 run peg line West, w  $\frac{1}{4}$  cor.  
 destroyed. —

Loc. n of E  $\frac{1}{4}$  cor. by Meander from N  $\frac{1}{4}$  cor. Sec. 35.

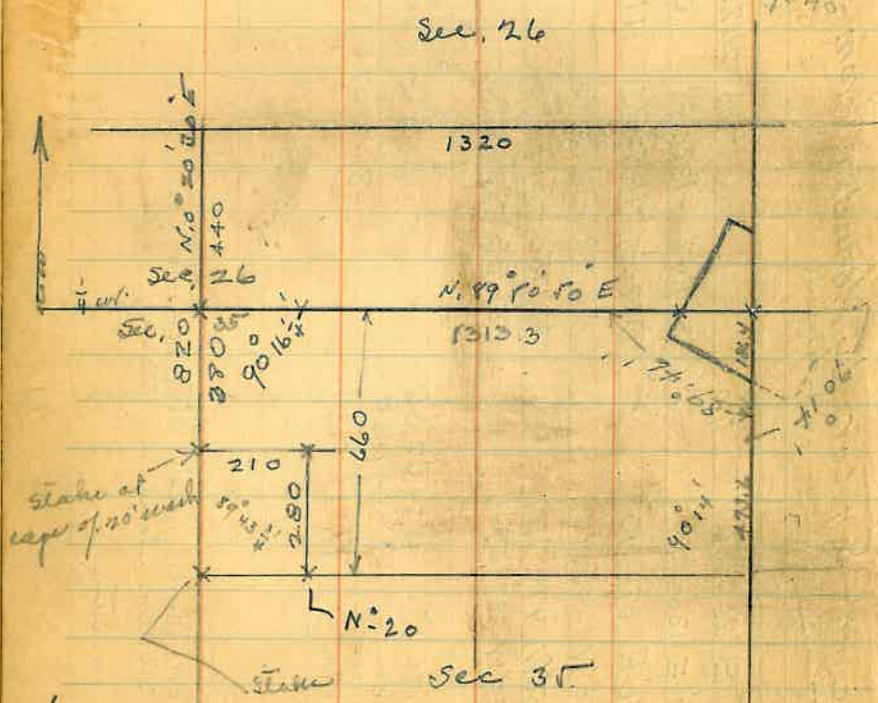
		+	-	+	-	Dep.
1	N 89° 30' 50" E	2626.6	70	7.00	2626.60	+ 2626.60
2	S 0° 9' 10" E	1307.48	1307.48	- 1300.48	0.49	+ 2630.109
3	S 17° 18' 40" E	374.43	357.47	- 1657.95	11.42	+ 2741.51
4	S 23° 16' 20" W	96.86	88.98	- 1746.93		+ 2703.24
5	S 25° 54' 50" W	479.73	431.50	- 2178.43		+ 2493.59
6	S 4° 37' 20" W	387.59	386.33	- 2564.76		+ 2462.36
			2574.76			41.51
	- 2564.76	+ 2462.36		2. 2154789		419.13
	+ 7.00	+ 2626.60		3. 4078598		
S	2557.76	W. 164.24		8 18076191 = 340.26		
				2. 2154789		
				8. 8067057		
				3. 4087732		
				2563.15		

1 = N  $\frac{1}{4}$  cor. Stone near Stephens Place.  
 2 = N.E. sec. cor. Stone on Fanny Hill  
 6 = E  $\frac{1}{4}$  cor. Stone.



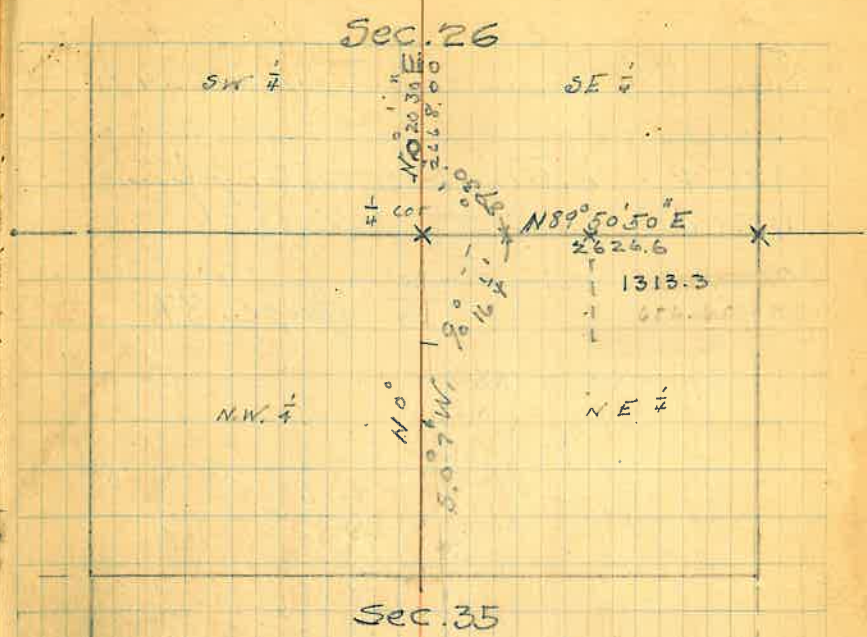
Transect open N  $\frac{1}{4}$  cor. sec. 31  
 Run Corrected N. 4 S.  $\frac{1}{4}$  line Sec 31  
 by angle S to E with sec. line  
 = 90° 16' 15"

237.85 Stake on ridge      Stake 238.0  
 + 430.30                              2960  
668.15                                  430.5  
    1440



468.15  
 237.85  
430.30  
 280  
140.30

89.44  
 90° 16'



Dist. Sec. cor. to  $\frac{1}{4}$  cor. 1313.3  
 Sec. cor. w. to stake at Country fence 1189.16

Stake of Country fence to  $\frac{1}{4}$  cor. 124.14

210  
20.21  
 189.71  
122.71  
 67.  
20.21  
 122.71  
210.1



From  $\frac{1}{4}$   $\frac{1}{4}$  cor. in cemetery meas. south

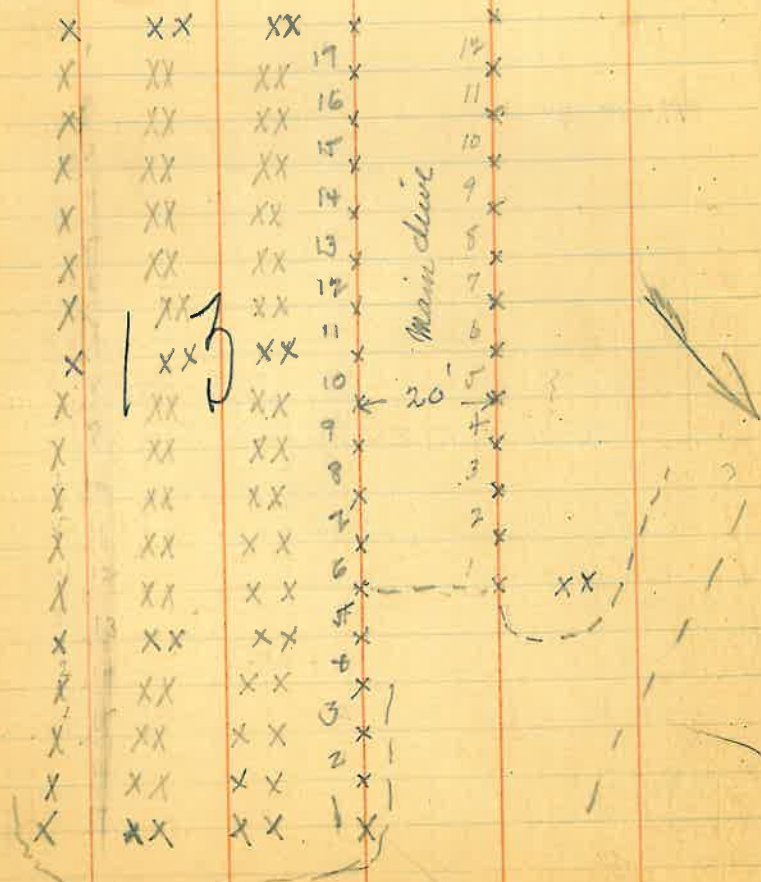
186.4 - intersect cemetery fence

470.4 - point on ridge

660.0 - set stake

To page 87

660  
186.4  
473.6



$\frac{264.3}{1230}$  - pt. to fence and

$\frac{470.40}{0000}$  to  $\frac{1}{4}$   $\frac{1}{4}$  pt. in cemetery + 209.6

To page 79



660  
186.4  
473.6

Cemetery Extension Lay out.

To page 80

- 54 x
- 53 x
- 52 x
- 51 x
- 50 x
- 49 x
- 48 x
- 47 x
- 46 x
- 45 x
- 44 x
- 43 x
- 42 x
- 41 x    xx    xx    xx
- 40 x
- 39 x
- 38 x
- 37 x
- 36 x
- 35 x
- 34 x
- 33 x
- 32 x

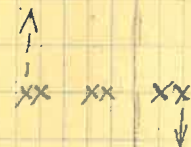
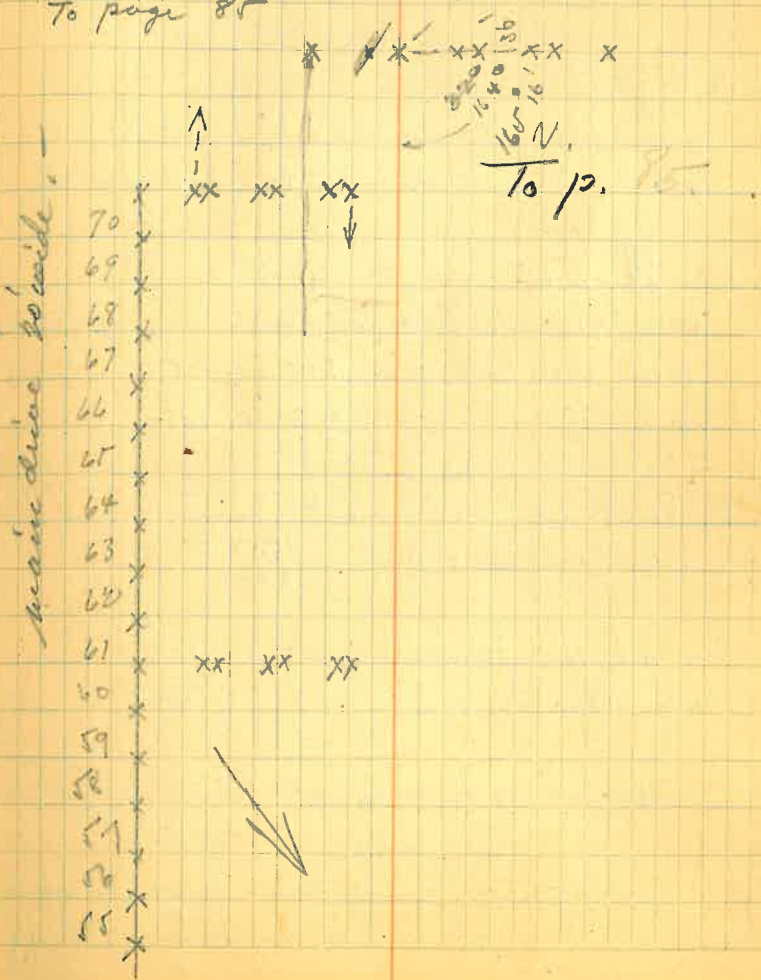
mean drive  
20 ft. wide



179.60    144°36'    125'12"  
 30.13    12  
 Tie dist.  
244.70  
 5°02' = 244.7

244.7  
 .9947  
244.7  
 14742  
 22113  
244.74177

To page 85





Copy from E.T. Stewart's Notes  
Merguik street pts.

Ch. -  
and Dutcheiland. rivet head. -  
+ to S.W. - 36.60  
                  39.13  
+ to N.W. - 10.55  
                  34.53 1/2  
curb. + to S.E. - 3.6"

and Devereux  
+ on manhole rim. - 0.17 S.W.  
+ " " " - 2.19 S.W.

and High st.  
+ on manhole cover.  
+ on manhole rim S.W. - 0.405  
+ " " " N.E. 0.805

and East st. rivet head.  
+ on garage to N.W. - 48.51  
                                  10.33  
+ on Concrete wall. N.E. 39.405  
                                  7.52  
+ on Manhole rim N.E. 13.225

B.M. 3624.02 □ Cut in curb SE cor.  
                                  Cedar + High  
B.M. 3657.52 □ top of low concrete wall  
                                  N.E. cor. East & Merguik. 11

0, 77  
Apr. 21 - 31

Survey + grade - proposed Side-walks SE. cor. Merg. + High

Concrete Wall at SE cor. Merg. -  
and High is 0.77 N. and 0.70 W.  
of Block cor. -

Face of end of wall (see X marks) abt. S. property  
line is 0.77 W. of east line High st.  
Face cor. S.W. cor. East. is 2.86 W. of cor. of  
blocks -

Set 2" sq. stake for true block corner.  
Wall at East line property is 0.87 N.

Creede

	1.43	55.95		3657.12	
			4.09	51.86	
			00	55.95	
	0.05	44.97	11.03	44.92	
			3.07	41.90	43.28
			4.96	38.01	
			7.19	37.78	39.28
T.P.	8.83	45.96	7.84	37.13	
			65	45.37	

S.

Top of wall - N.E. cor. Messg. + High streets.

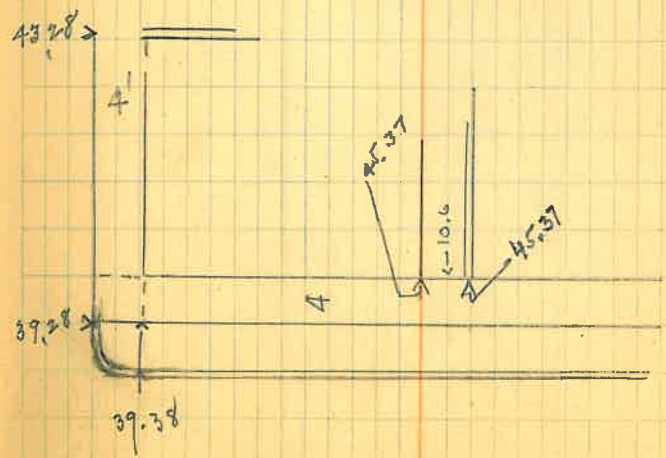
{ S. edge of asphalt pavement on Messg. at W. line of East St. ext'd north,

Top of Sq. stake S.W. cor. Messg. + East st. ls.

Edge of asphalt pavement at E. line of property on Messg.

Edge of asphalt pavement - East line of High ext. north.

Edge of asphalt pavement 4' west of E. line High. W. end curb (at point) N.E. cor. Messg. + High. Set Top of wall 1.50 above asphalt pavement.





95 X X  
 94 X X  
 93 X X  
 92 X X  
 91 X X  
 90 X X  
 89 X X  
 88 X X  
 87 X X  
 86 X X  
 85 X X  
 84 X X  
 83 X X  
 82 X X  
 81 X X  
 80 X X  
 79 X X  
 78 X X  
 77 X X  
 76 X X  
 75 X X  
 74 X X  
 73 X X  
 72 X X  
 71 X X  
 70 X X

20 ft. drive way

100 X X  
 99 X X  
 98 X X  
 97 X X  
 96 X X  
 95 X X

			42
X	XX	XX	41
			40
			39
			38
			37
			36
			35
			34
			33
			32
X	XX	XX	31
			30
			29
			28
			27
			26
			25
			24
			23
			22
			21
X	XX	XX	20 <sup>x</sup>
			19
			18
			17

13

From Page 77.-

20 ft. driveway

To page 89

XX	XX	XX	XX	XX	XX	XX	XX	17
X	XX	XX	XX	XX	XX	XX	XX	16
X	XX	XX	XX	XX	XX	XX	XX	15
X	XX	XX	XX	XX	XX	XX	XX	14
X	XX	XX	XX	XX	XX	XX	XX	13
X	XX	XX	XX	XX	XX	XX	XX	12
	X	XX	XX	XX	XX	XX	XX	11
		XX	XX	XX	XX	XX	XX	10
		X	XX	XX	XX	XX	XX	9
X	XX	XX	XX	XX	XX	XX	XX	8
								7
								6
								5
								4
XX	XX	XX	XX	XX	XX	XX	XX	3
								2
								1
								0
								X
								48
X	XX	XX	XX	XX	XX	XX	XX	47
								46
								45
								44
								43
								42

Bl. 14

Bl. 13

20 ft driveway

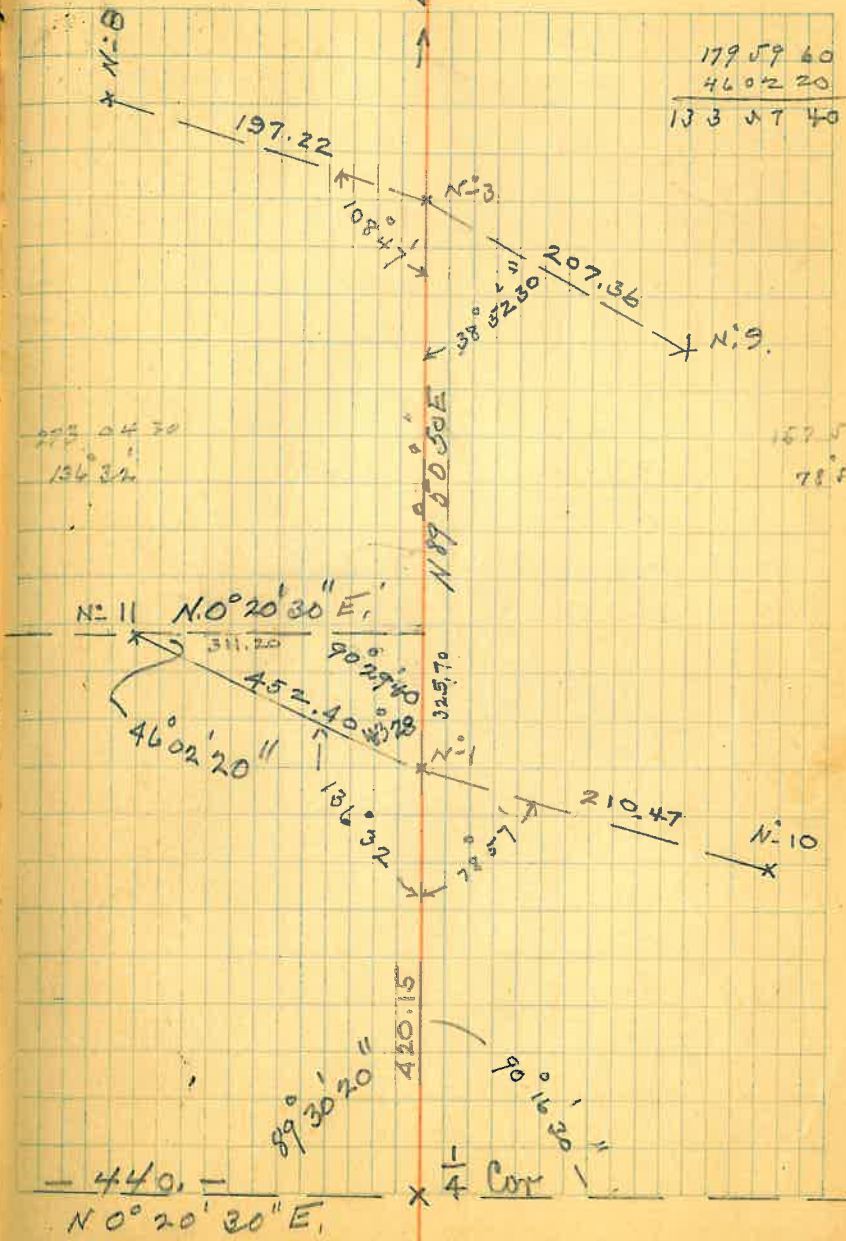








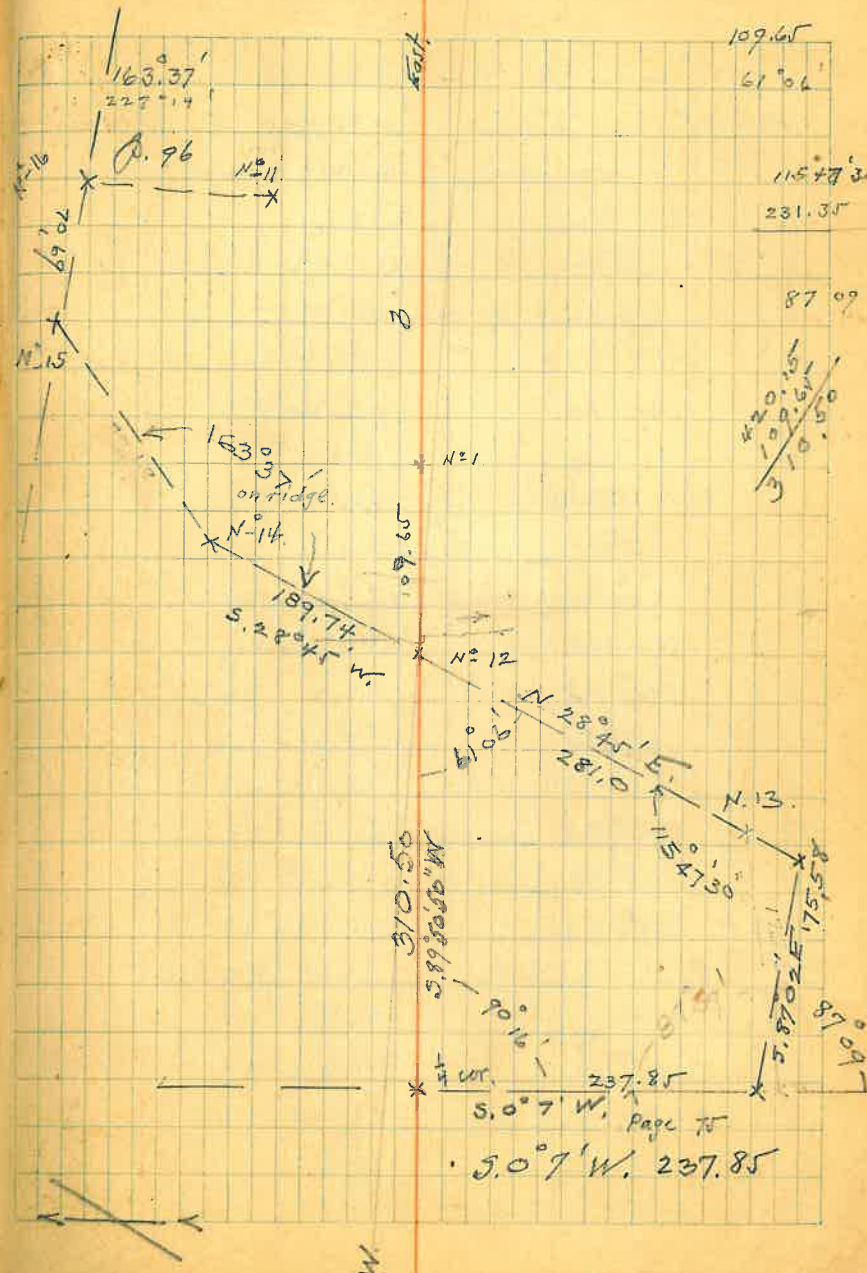






Tr. over N=8 sight on N=3  
Turn to R. - 213°31' Dist 273.43 and set  
N=18

359.60'  
213°31'  
146°29'



20.15  
10.15  
10.00  
310.50

## - Stadia -

Tr. over N=17 - sight on stake at  
237.85 on  $\frac{1}{4}$  line. angle  $\frac{1}{2}$  T  
W. bank of west prange.

1	TR. $1^{\circ}40'$	210.
2	$8^{\circ}10'$	130
3	$19^{\circ}50'$	98
4	$79^{\circ}$	123
5	$100^{\circ}50'$	192 ✓
6	$111^{\circ}50'$	236

## Meander of Island

1	$115^{\circ}40'$	210
2	$126^{\circ}50'$	177
3	$130^{\circ}20'$	143
4	$100^{\circ}10'$	115
5	$69^{\circ}20'$	34
6	$28^{\circ}40'$	63
7	$96^{\circ}20'$	134
8	$105^{\circ}30'$	187
9	$115^{\circ}40'$	210

## East bank of East prange

1	$117^{\circ}20'$	267
2	$125^{\circ}50'$	208
3	$137^{\circ}$	178
4	$141^{\circ}20'$	148
5	$147^{\circ}$	77

6	$341^{\circ}$	33.
7	$356^{\circ}10'$	112
8	$353^{\circ}0'$	210

Tr. over N=1. - sight  $\frac{1}{4}$  cor Stake, Turn to R.  
W. bank of wash

1	$308^{\circ}20'$	200
2	$337^{\circ}40'$	135
3	$71^{\circ}20'$	107
4	$108^{\circ}40'$	244
	E. bank wash	
1	$117^{\circ}0'$	212
2	$92^{\circ}40'$	100
3	$345^{\circ}0'$	80
4	$306^{\circ}0'$	157.

Tr. over N=11. - sight on N=1. Turn R.  
W. bank of wash.

1	$28^{\circ}40'$	230 - at S. bank of wash 5 steps
2	$94^{\circ}0'$	127
3	$139^{\circ}40'$	113
4	$156^{\circ}20'$	165
5	$177^{\circ}20'$	250

walk.



## Meander of Island.

1	138°10'	83
2	74°30'	60
3	31°20'	133
4	32°40'	168
5	92°20'	108
6	138°40'	87

## East bank of wash.

1	190°20'	87
2	164°40'	22
3	140°50'	83
4	18°40'	285

## Small bottom flat.

1	206°10'	205
2	226°0'	125
3	243°50'	97
4	267°40'	60
5	318°20'	23
6	355°20'	60

— see — 7.97 —

Tr. over N-18 - Sight on N-8. trace to R.

Island		
1	43°10'	250
2	49°50'	256
3	68°	195
4	128°50'	116
5	85°	102
6	47°	208
		<del>257</del>

## East bank of wash.

1	30°40'	312	
2	47°10'	175	
3	109°20'	84	
4	139°	115	
5	164°40'	153	40' wide to N.
6	177°20'	215	

## ± 14' wide road -

1	170°05'	177	at wash
2	169°25'	137	fork
3	176°30'	109	
4	186°	87	
5	205	62	
6	230°45'	45	
7	315°45'	70	

8	323° 55'	92
9	327° 45'	116
10	329° 40'	157
11	329° 40'	176
12	329° 40'	200
13	333.25	246

continued

## Top Surface of irregular ridge

1	21° 15'	109
2	17° 20'	60
3	29° 30'	21
4	92° 30'	10
5	167° 10'	23
6	184°	32
7	225° 10'	20
8	304° 40'	20
9	328° 20'	45
10	337° 40'	60
11	350° 20'	93
	<del>354°</del>	<del>124</del>
	<del>347° 10'</del>	<del>164</del>
12	334	130
13	334°	160
14	333° 20'	210

E p. 104

## Tr. at N=8 - sight - N=3 Turn TP

1	4° 10'	182
2	6°	134
3	13°	92
4	25°	72
5	50° 10'	70
6	68° 0'	68
7	85° 30'	91
8	94	100
9	100° 40'	88
10	113° 40'	45
11	129° 40'	25
12	137° 30'	44
13	198° 20'	66
14	200° 0'	97

## Continuation of Road

1	289° 50'	109
2	309° 50'	108
3	330° 20'	128
4	342° 40'	150
5	356°	177
6	2° 20'	195



on line 1 to 11. - set N<sup>o</sup> 19  
 Dist. 166.64 from N<sup>o</sup> 1. -

Loc<sup>n</sup> of 14<sup>o</sup> Rd. -  
 Tr. at N<sup>o</sup> 19 - sight on N<sup>o</sup> 11. Turn R.

1	359° 45'	226	for R
2	1° 50'	205	
3	4° 05'	194	
4	7° 55'	188	
5	15° 05'	184	
6	24° 30'	185	
7	35° 45'	195	
8	44° 35'	210	
9	51° 30'	216	
10	67° 20'	230	
11	72° 40'	237	

Loc<sup>n</sup> of 14<sup>o</sup> road - near N<sup>o</sup> 19

1	350° 0'	56
2	350° 0'	35
3	357° 55'	20
4	60°	9.
5	142° 50'	180
6	142° 45'	211
7	141° 50'	260
8	142° 5'	287
9	143° 35'	315

Bottom Flat. -

see edge of 14<sup>o</sup> H. Road to

1	64° 0'	211	- 40' well?
2	69°	195	
3	72° 30'	160	
4	77°	133	
5	85° 40'	108	
6	98° 30'	95	
7	116° 40'	81	
8	132° 20'	90	thence to edge of Rd.

Tr. over N<sup>o</sup> 1 - sight on N<sup>o</sup> 11. Turn to R.

Bottom flat. -

along W. line 14<sup>o</sup> Rd. to opposite

1	110° 15'	162
2	115° 40'	135
3	124° 20'	108
4	137° 0'	105
5	148° 40'	114
6	156° 15'	126
7	166°	143

Loc<sup>n</sup> old Road

1	169° 30'	150	at bank of wash
2	166° 30'	130	
3	163° 40'	104	
4	165°	78	
5	170° 10'	54	

6	186° 10	24
7	281° 30	10
8	326° 40	25
9	342° 20	54
10	351°	105
11	355° 40'	165

Tr. over N:10 sight on N:1. Turn R.

1	224° 20'	383
2	227° 40'	355
3	232° 20'	327
4	235° 20'	307
5	243° 30'	265
6	248° 35'	240
7	255°	216
8	261	192
9	265° 45'	173
10	273° 20'	147
11	293° 10'	111

⊕ N. 14 ft Road way

1	60° 30'	125
2	79° 10'	99
3	94° 40'	89
4	106° 45'	85
5	131	77
6	166° 40'	95
7	175° 40'	110

8	179° 50'	133
9	174° 50'	146
10	166° 10'	145
11	155° 10'	139
12	114°	153
13	104° 30'	163
14	99° 10'	177
15	87° 30'	217

Surface of irregular ridges. -

1	184° 10'	89
2	187° 40'	60
3	191° 15'	40
4	207°	29
5	255° 50'	20
6	310° 20'	30
7	338°	44
8	3° 0'	52
9	18° 30'	62
10	36° 50'	69
11	55° 20'	62
12	79° 20'	54
13	104° 20'	45
14	145° 50'	50
15	164° 10'	75
16	178° 15'	92



May 22 - 1931

Loc<sup>n</sup> of drive ways in Old CemeteryTr. over W. 6 - Sight W. on  $\frac{1}{4}$  corner.

1	285	R 133° 48' - 4° 21'
2	210	126° 40'
3	138	122° 20'
4	71	119° 20'
5	30	133° 00'
6	12	206° 40'
7	55	283° 25'
8	140	296° 40'

Moose plat

1	9	53° 40'
2	74	196° 30'
3	154	265° 45' at fence
4	141	299° 50' 1° 30' " "

East Fork

1	34	273°
2	25	214° 30'
3	54	187° 20'
4	84	187° 17'
5	119	181° 10'
6	147	173°

Transit over W. 6 - from  $\frac{1}{4}$  cor.

Turn to R. 133° 57' 30" Dist 254.20 and set 21

Loc. drive ways.

Set over 21 sight on W. 6 Turn R.

1	12	157.20 - opposite gate
2	32	194° 50' opposite gate
3	47	215° 15' Turn up.
4	60	234
5	78	285° 15'
6	119	312° 35'
7	171	327° 25' + 5°

Red 5 odd corners

1	75	223° 45'
2	135	233° 35'
3	157	232° 20'
4	175	227° 25'
5	198	220° - 6' 30" - E. of gate
6	238	223° 01' - 6' 45" O.F. cor.
7	350	201° 40' 6' 10" O.F. cor.
8	289	188° 15' 5' 15" E. of gate
9	265	178° 26' 5°
10	327	162° 25' 5° 05' Mon. cor.
11	318	152° 50' 6° E. near Gate
12	174	160° 20' 6' 20" K. P. Gate
13	58	176° 50' " " "

14	120	268.54	June cor.
15	173	255° 35'	5' " "
16	234	223° 20'	-7° " "
17	140	75° 54'	6° 20' June Cr. N.

14 ft. Rd.

Tr. over 263 18. - sight on 8.

1	193	36° 15'	5 R
2	70	89°	
3	92	151° 50'	
4	141	169° 20'	
5	163	170° 10'	

Tr. over 262 8 sight on 262 18 Turn  
for 14' road. - connect to 262 St.

1	487	236° 50'
2	443	241° 35'
3	413	243° 50'
4	356	247° 05'
5	309	249° 25'
6	278	251° 30'
7	243	253° 20'
8	211	255° 20'
9	166	263° 50'
10	134	274° 0'

Traverse over 262 9 - sight on 262 cor. Turn  
Leave block loc'n -

1	106	269° 20'	edge of road
2	70	279° 40'	
3	53	296° 10'	
4	57	331° 30'	
5	60	356° 10'	
6	57 +	37° 30'	
7	83	52° 50'	
8	110	62° 10'	
9	122	84° 40'	
10	140	109°	
11	155	119° 50'	

Traverse along edge of road to 2  
14 ft Road. -

1	<del>202</del> 201	177° 30'	
2	150	187° 20'	
3	103	246° 10'	} Road connection
4	105	260° 50'	
5	121	271° 10'	
6	186	289°	
7	315	303° 05'	
8	333	306	in hand



May 26-31

Tr. over N=9. Sight on  $\frac{1}{4}$  cor.  
for  $\pm$  7' Road way

1	207	127° 35'
2	185	126° 25'
3	163	126° 10'
4	107	131° 55'
5	64	143° 30'
6	25	192° 40'
7	35	251° 50'
8	56	265° 10'
9	82	265° 10'
10	97	262° 45'
11	107	261° 30'

Tr. over stake 2 - on E. side of 20' Rd.  
Sight on said E. side, Turn L 90°  
and bet N=22. Dist  $\frac{87.25}{8.08} = 86.37$ 

Plat below 16' road.

Tr. on 22 sight on 2nd stake

1 - follow  $\frac{1}{4}$   $\frac{1}{4}$  line from fence2 157 ~~162~~ 149° 20'3 126 ~~130~~ 158°

102	<del>105</del> 93° 30'	4	174° 25'
93	<del>94</del> 99° 0'	5	186° 20'
85	<del>87</del> 83° 30'	6	200°
101	<del>102</del> 100°	7	208° 10'
114	<del>116</del> 115°	8	218° 20'
	105	9	232° 20'
	109	10	247° 10'
	132	11	258° 20'
	153	12	264° 45'
	189	13	265° 10'
	176	14	259°
	150	15	247° 10'
	157	16	240° 10'
	180	17	242° 10'
	187	18	248° 30'
	213	19	258° 50'
	246		266°
	274/5°		269° 20'
	205	19	249° 30'
	239	20	249° 30'
263	264/4°	21	249° 30'

Tr. over stake 70 - E. side 70' Rd Turn 90°  
to R. and set 23 - dist 153.15  
Tr. over 23 - set on stake 70  
Loc<sup>n</sup> of 16' Rd. -

1	201	57° 20'
2	177	53° 10'
3	152	43° 30' V
4	129	44° 20'
5	97	38° 50'
6	70	38° 20'
7	44	54° 40'
8	26	106°
9	26	168° 40'
10	34	217° 40'
11	48	244° 40'
12	66	258° 20'
13	85	265° 30'
14	106	269° 50'
15	144	275° 10'
16	171	277°

continued

14 ft. Rd.

1	36	68° 30'
2	44	103° 30'
3	61	114° 30'

4	84	117° 40'
5	109	119° 50'
6	131	133° 0' 20'
7	157	155° 5' 30'
8	174	176° 5' 20'
9	187	190° 5' 30'
10	186	188° 5' 30'
11	175	177° 5'
12	159	161° 5' 20'
13	139	141° 5' 30'
14	117	119° 10' 20'
15	92	93° 5' 15'
16	73	74° 4'
17	70	
18	87	
19	108	
20	133	
21	160	
22	182	240'

117° 40'

120° 30'

121° 40'

122° 20'

124°

129° 20'

136° 15'

143° 50'

149° 15'

154°

159°

170° 20'

189° 20'

222°

247° 40'

260° 40'

268°

273° 30'

277° 10'



June 4 - 31

see p. 115  
True dist. O to 70 =  $\frac{349.8}{4^{\circ}45'}$  = 348.6

Tr. over 70, turn 90° -  
dist 5 pt. 23 -

Tr. over 23 sight on 70, check p. 115.

193 <sup>1/2</sup>	1	56°
162	2	50° 50'
138	3	46° 15'
110	4	41° 33'
77	5	37° 43'
50	6	48° 54'
31	7	81° 45'
24	8	146° 05'
30	9	204° 20'
47	10	244° 10'
70	11	259° 50'
99	12	268° 15'
124	13	272° 25'
153	14	275° 40'

14 ft. Road, check p. 115.

38	1	61°
40	2	95° 20'
58	3	112° 40'
83	4	117° 50'
113	5	120° 30'
142	6	120° 35'

70 to Edge of road 171 ft - 14 ft

161	7	122° 20'
180	8	124° 50'
191	9	129° 40'
188	10	136° 50'
177	11	143° 30'
159	12	150°
134	13	155° 20'
107	14	162° 50'
85	15	175° 40'
71	16	197° 40'
71	17	224° 40'
85	18	246°
105	19	259° 10'
130	20	267° 20'
155	21	272° 40'
195	22	278° 20'

Take a set over 70 and extend line SW.

$$\frac{225.4}{5^{\circ}05'} = 224.1'$$

Tr. over 115 - sight on O

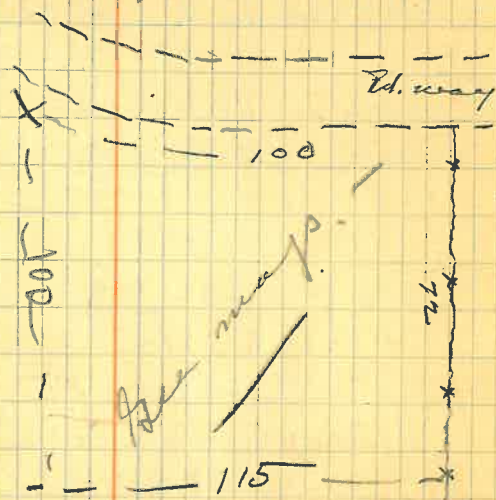
51	6	347° 20'
27	5	324° 50'
23	4	266° 40'
47	3	232° 20'
65	2	218° 40'
89	1	219° 15'

Dist 115 to 135 = 100.3 ft.  
 Set over 135 -

☉ 7- 16 ft Rd. - (with 20 ft to wind)

153	1	48° 30'
126	2	55°
101	3	66°
79	4	83°
64	5	108°
63	6	135°
72	7	158° 30'
83	8	175° 20'
85	9	189° 50'
76	10	206° 40'
59	11	222° 50'
46	12	248° 40'
46	13	286° 20'
62	14	317° 40'

Proposed New Add<sup>n</sup> to the  
 Moore Cemetery lot.



Fence + center of Rd to N <sup>o</sup> 22	=	60	ft.
S.W. cor. Moore lot	to	80	ft.
S.W. - new	to	75	
N.W. - new	to	63	



121

Sept. 27 - 32

Tr. over no. 5. (near fence) sight  
on W  $\frac{1}{4}$  cor. Turn to L  $39^{\circ}13'$   
Dist. 128.2 to pt. 20 (mail)

Tr. over 20. sight on W  $\frac{1}{4}$  cor.  
Turn to L for  $\frac{1}{2}$  of Rd

$$\frac{283}{3^{\circ}20'}$$
L  $22^{\circ}10'$ 

$$\frac{184}{3^{\circ}00'}$$
L  $20^{\circ}43'$ 

49

L  $42^{\circ}30'$ 

27

L  $106^{\circ}10'$ 

Tr. over 7 - sight on  $\frac{1}{2}$  cor.  
Turn.

L  $90^{\circ}11'$ 

$$\frac{183}{9^{\circ}30'}$$

S. West K. of P. plot

L  $126^{\circ}05'$ 

$$\frac{94.0}{7^{\circ}}$$

S.W. cor. Mason's plot.

L  $210^{\circ}24'$ 

$$\frac{237}{20}$$

old NW. cor. Mason's

173

Oct 11 - 32

Stakes for Crane plot commenced

Bl. 7	1 to 32	front
	" "	rear
	33 to 61	front
	" "	rear
Bl. 10	1 to 3	fr. & R
	4 to 12	" "
	13 to 22	" "
Bl. 5	1 to 9	fr & R.
	11 to 23	fr & R.
	24 to 41	<del>fr &amp; R.</del>
Bl. 6	1 to 26	
	22 to 39	
Bl. 3	7 to 26	
	26 to 39	
	<del>44 to 57</del>	
Bl. 4	1 to 14	
	15 to 27	
Bl. 2	157 to 186	
	187 to 219	
Bl. 1	265 to 278	
	291 to 304	

$$\frac{70}{-14-}$$

Bl. 9 -	97 to 109
	76 to 88

Bl 8	91 to 100
------	-----------

74 to 83

16 64 to 90

96 to 124

19 - 62 - 66

97 - 101

130 - 134



120  
 Bl. 15 - Mex. - \$2.00  
 16 - { <sup>actions</sup> Maribnegros } \$5.00  
 17 - free

14-18-19 - \$10.00  
 13 - 10.00  
 12 - free  
 11 Chinese - \$5 + 2  
 9 negroes - 5 + 2 + free  
 8 - 5 + 4 free  
 1 - Mex. - \$2. + free  
 2 - " - 5 -

3.4.5.6.7.10 - white \$5. -

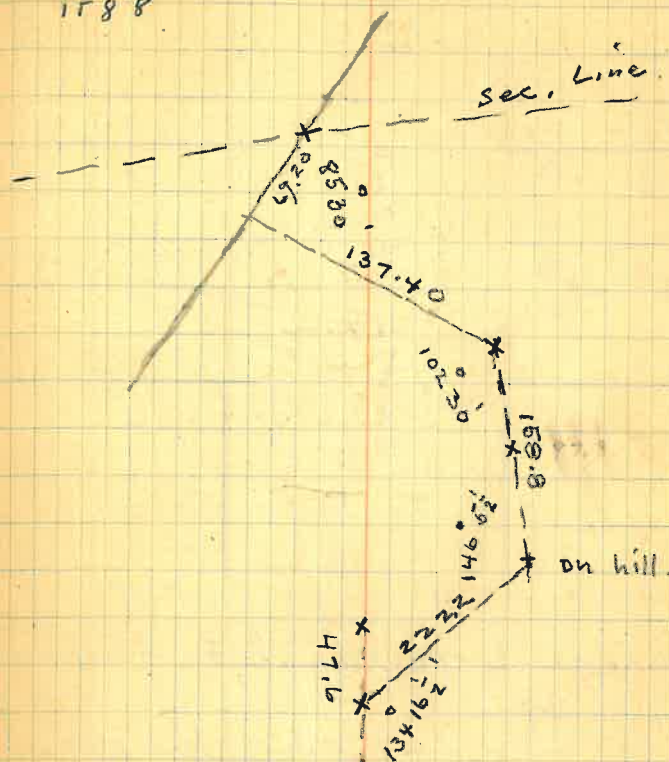
146° 6'

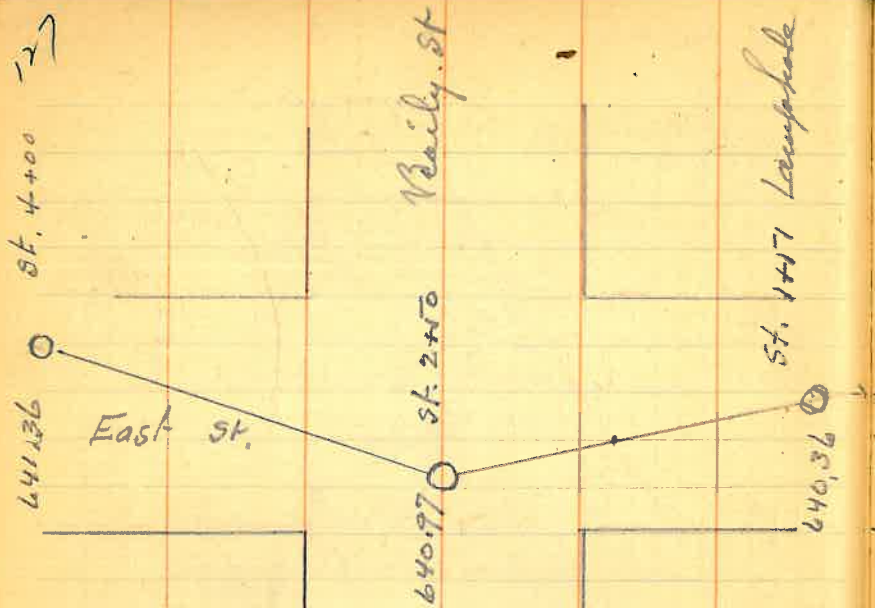
134 12 1/2

102° 30'

80° 30'

61  
 97.8  
 158'8"



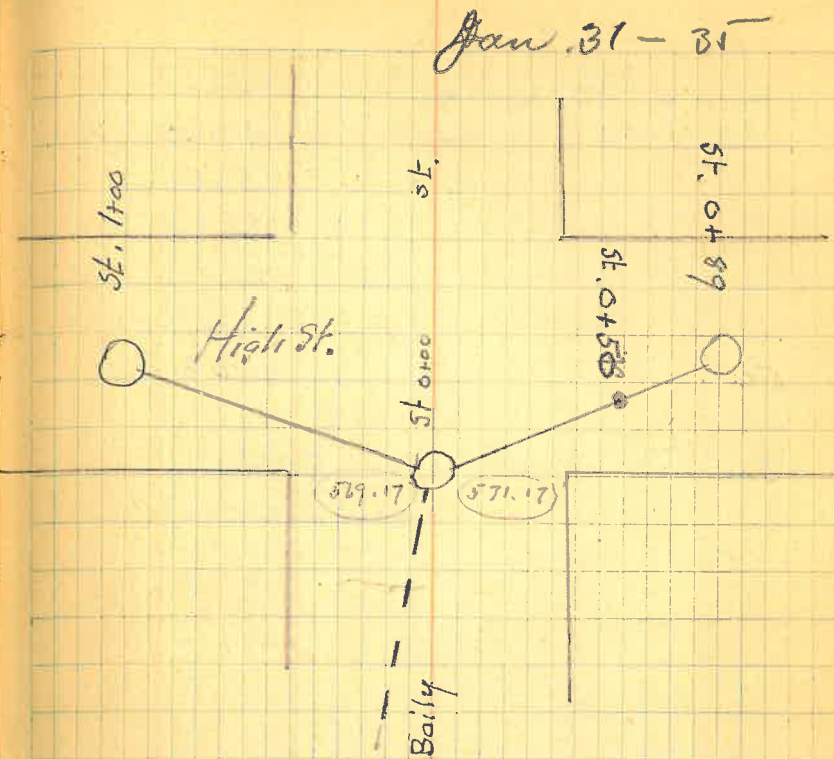


Merquite St. manhole ~~location~~

653.47

640.34

M. H. cover 657.00





129

East of surface elev.		
assumed	0.60	657.40
		657.00
		641.80
		654.20
0 + N	1.80	655.80
+ 10	1.8	651.8
1 + 00	10.1	642.5
+ 10	11.3	646.3
2 + 00	10.9	646.7
+ 10	10.2	647.40
		642.00

Manhole - East of Mesquite.

Bottom of sewer to East.

v v . 6 w

man hole cover Bailey & East.

Bottom of manhole

131

Ash and 6<sup>th</sup>

+ on west face of wall S. 67° 00' E 42.67

+ on top of concrete retaining wall

S. 33° 51' W 26.95

Ash & 7<sup>th</sup>

Brass tube in concrete block.

Iron pin in ground bears

S. 22° 42' W 49.79

Iron pin N. 22° 42' E 48.61

Ash & 5<sup>th</sup>

Brass tube in concrete block, 9" below

+ on sidewalk curb N. 78° 41' W 35.90

+ top of concrete wall N. 24° 57' E 43.39

+ on sidewalk curb S. 24° 14' W 40.58

J. M. &amp; C. P.

Oct 10 - 39

Location of Bldgs on Se breeze  
Cottage Camp.

Center line of Ash str. by

of pt. 5<sup>th</sup> check on pt. at 6<sup>th</sup> andFind pt. at 7<sup>th</sup> -

Extend line to East

Set pt. 100 ft. east of center 7<sup>th</sup> -

" " 160 ft. " " " "

See next page



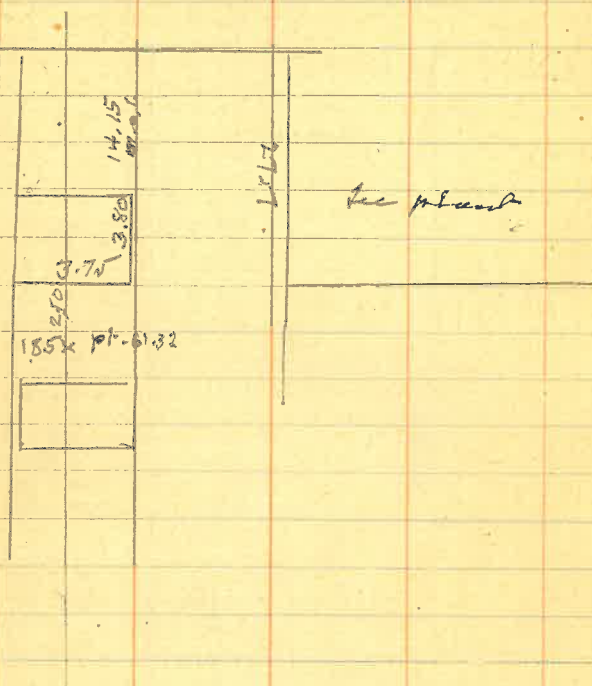








139





153

Maple St. open drain Culvert

B.M.	2.74	1 @ 2.74	100	Top	Ends
0 + 00	?		2.40	100.34	99.70
			5.84	96.90	
16	58.4		3.5	99.2	99.28
41		Legion	4.1	98.6	98.62
66	x	High school.	4.4	98.3	97.96
91			5.4	97.3	97.30
116	82.6	High school	5.6	97.1	96.64
141	x	Schule	6.7	96.0	95.98
166	4		7.5	95.2	95.32
T.P.	94	4.63	7.23	95.51	
191			5.4	94.7	94.67
216			6.0	94.1	94.01
235		to Culvert, -	6.15	93.99	93.50
235			9.20	90.84	

Am. Legion 116 of  $\frac{3}{8}$  bar x 6 ft. and 20 sacks Cement  
 $3 \frac{1}{2}$  of  $\frac{3}{8}$  " x 58 ft.

High School.  $3 \frac{1}{2}$  of  $\frac{3}{8}$  bar x 83 ft.  
 134 " " x 6 ft. and 30 sacks Cement,  
 $32 \frac{1}{2}$  " " x 6 ft.

Mrs Schule  $3 \frac{1}{2}$  of  $\frac{3}{8}$  bar x 9 ft. 31 sacks Cement

City  $182 \frac{1}{2}$  of  $\frac{3}{8}$  " x 6 ft. 4 " "  
 $14 \frac{1}{2}$  of  $\frac{3}{8}$  " x 6 " "

42.4  
 16  
 58.4

Jan. 9 - 35 7.6 17.6

High to Devereux St.

Bottom  
 Grade Cooping wall N.W. cor Maple High.  
 culvert slab.

96.90 floor of culvert.

96.49 -

95.84 -

95.19 -

94.54 ✓

93.89 ✓

93.24 ✓

92.59 ✓

91.94 ✓

91.30 ✓

slab of Culvert at Devereux

90.80 floor

102.14

6.63

95.51

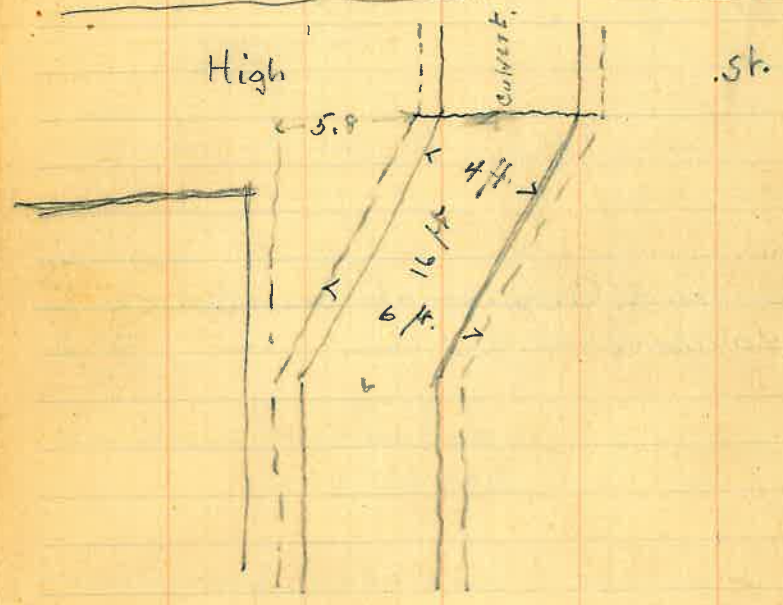
Checked JM

155

Giffords

Center ditch E. side S. 3rd

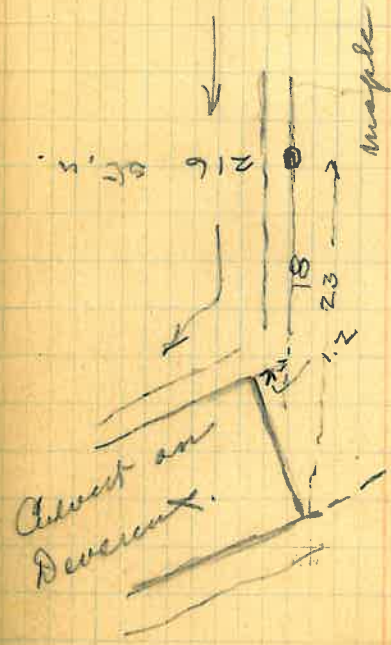
B.M.	00	100.00	100.
0	3.30	96.7	96.2
30	4.00	96.0	95.4
60	3.10	96.9	94.8
90	3.90	96.1	94.2
120	4.6	95.4	93.6
150	6.6	93.4	93.0



3.6 0 ft. fall Febr 3-31

Lower concrete step to # 315

6 ft. walk.  
 $0.33 \times 6 \times 1 = 2.0$  Cft.  
 $1:1$  Mix =  $0.33$  Cft. Cement  
 4.6 3.00  
 5.2  
 5.8 - 1'-49"  
 6.4 - 1'-9"  
 7.0 - 0'-5"



$\frac{1}{3}$  Sack Cement @ 0.35  
 12 ft of  $\frac{3}{8}$ " rods = 4.56 lbs.  
 12 ft of  $\frac{1}{2}$ " rods = 8.16 lbs.  
 at 6¢ per pound  
 $\frac{3}{8}$ " = 4.56 lbs x 6¢ = \$0.274  
 $\frac{1}{2}$ " = 8.16 lbs x 6¢ = \$0.490

Am. Legion. Cement \$ 20.44  
 900 ft of  $\frac{3}{8}$ " rods 20.52  
 Total  
 High School. Cement \$ 31.31  
 1080 ft  $\frac{3}{8}$ " rods  
 180 ft of  $\frac{1}{2}$ " "  
 Total  
 Mrs. Schute. Cement \$ 32.90  
 1450 ft of  $\frac{3}{8}$ " rods  
 Total



159

## Received from E.R.A. 1934

10/3	1 sack Bl. Sm. Coal.	$\frac{1}{2}$ doz Pick handles.
10/9	40 sacks Cement	A-B13-59
10/15	50 " Cement	A-B13-59
10/17	50 " Cement	A-B13-59
10/20	50 " Cement	A-B13-59
11/2	50 " Cement	A-B13-59
11/3	1-24" culvert pipe 12'	A-B13-59
11/13	1-24" culvert pipe 24'	A-B13-59
	3-24" culvert bands.	
11/22	50 sacks cement	A-B13-59
12/3	50 sacks cement	4-B13-59
12/4	12 of 1x6x14	4-B13-59
	10 of 2x4x4	4-B13-59
12/11	50 sacks cement	4-B13-59
12/17	8 of 2x4x16	4-B13-59
12/18	8 of 2x4x16	4-B13-59
12/22	50 sacks cement	4-B13-59

(and including)

0 to 49	- 3	gravel.
50 to 55	4	"
56 to 59	- 5	"
60 to 62	- 6	"
63	- 7	"
64	- 8	"
65	- 9	"
65	- 11	"

Jan 16	- 60 sacks	} 4-B13-72 Ward 6- High St. Cutters.
" 24	- 60 "	

May (on hand 36 sacks)

May 10 - 50 Rockwall curb

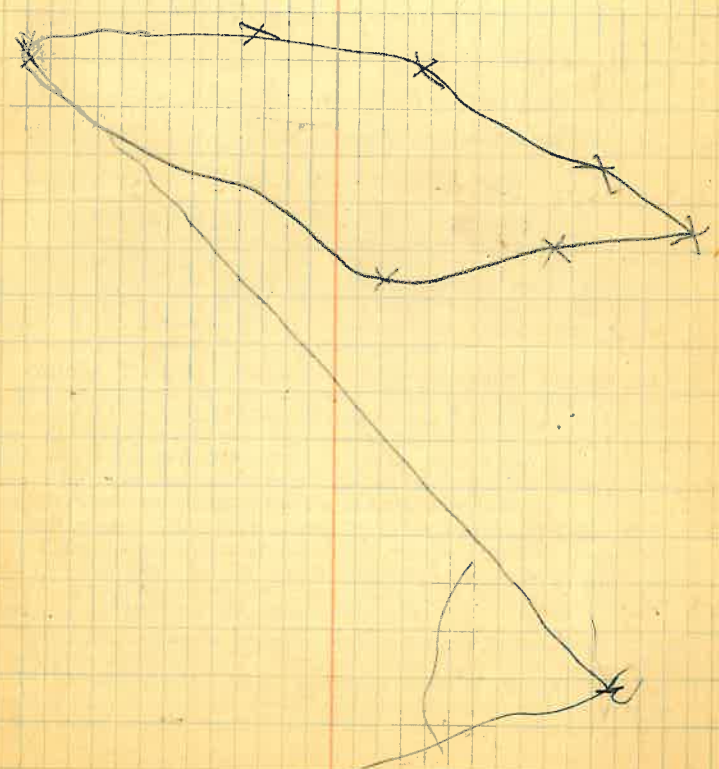
47-48- ~~3~~  
 48-49- ~~3~~  
 49-50- ~~3~~  
 50x51- ~~3~~  
 53x54- 4  
 55x56- 5  
 58x59- 9  
 1- 3  
 49- 3  
 50- 4  
 56- 5  
 60- 6  
 62- 6  
 63- 6  
 64- 6

63 - 7 + 1 = 8      63 - 8 + 1 = 9  
~~62 - 7 + 1 = 8~~      64 - 8 + 2 = 10  
 64    8 + 2 = 11      65 - 8 + 4 = 12  
 65    8 + 3 = 11  
 66    8 + 4 = 11  
  
 76    7 + 5 = 12  
  
 66  
 67  
 68  
 69  
 70  
 71  
 72  
 73  
 74  
 75  
 76

C. A. Pennington

April - 7 - Scot St. Survey - 5.50  
 8 - Side walk survey 7.40  
 9 - " " 1/2 day 2.75  
 11 - " " " 1.50  
 \$ 19.25

Engineering fee





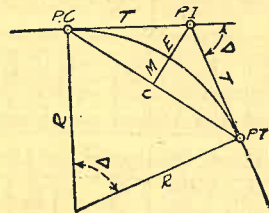


163  
 11.70 - Rod Total  
 above plane line

$$\begin{array}{r} 9 \\ \hline 47 \\ + 7.0 \\ \hline 11.70 \quad \checkmark \end{array}$$

# DIETZGEN'S RAILROAD CURVE AND REDUCTION TABLES

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## CURVE FORMULAS

Radius= $R = \frac{50}{\sin D/2}$  (1) Degree of Curve= $D$  and  $\sin \frac{D}{2} = \frac{50}{R}$  (2)

Tangent= $T = R \tan \frac{\Delta}{2}$  (3) Length of Curve= $L = 100 \frac{\Delta}{D}$  (4)

Middle ordinate= $M = R(1 - \cos \frac{\Delta}{2})$  (5)  $= R \text{vers} \frac{\Delta}{2}$  (6)

External= $E = T \tan \frac{\Delta}{4}$  (7)  $= R \div \cos \frac{\Delta}{2} - R$  (8)  $= R \text{exsec} \frac{\Delta}{2}$  (9)

Long Chord= $C = 2 R \sin \frac{\Delta}{2}$  (10)  $\Delta =$  Central Angle

## EXPLANATION AND USE OF TABLES

**Stations.**—Given P. I.—Sta. 161+60.35 to find Sta. of P. C. and P. T.  $\Delta = 62^\circ 10'$   $D = 8^\circ 20'$ . From Table IV for  $1^\circ$  curve  $T = 3454.1$  and  $\div 8\frac{1}{3} = 414.49$  ft. From Table V correction = .36 or  $T = 414.85$  ft. P. C. = Sta. P. I. —  $T = 157 + 45.50$ . Also from (4)  $L = 746.00$  and P. T. = Sta. P. C. +  $L = 164 + 91.50$ .

**Offsets.**—Tangent offsets vary (approximately) directly with  $D$  and with square of the distance. Thus tangent offset for Sta. 158 on above curve is 2.16 ft. found as follows. From Table III tangent offset for 100 ft. = 7.27 ft. Distance = 158 — Sta. P. C. = 54.50, hence offset =  $7.27 (54.50 \div 100)^2 = 2.16$  ft. Also square of any distance divided by twice the radius equals (approximately) the distance from tangent to curve. Thus  $(54.50)^2 \div (2 \times 688.26) = 2.16$  ft.

**Deflections.**—Deflection angle =  $\frac{1}{2} D$  for 100 ft.,  $\frac{1}{4} D$  for 50 ft., etc. For  $c$  ft. = (in minutes)  $.3 \times C \times D^\circ$  or = defl. for 1 ft. from Table III  $\times C$ . For Sta. 158 of above curve =  $.3 \times 54.5 \times 8\frac{1}{3} = 136.2'$  or  $2^\circ 16.2'$ , or =  $2.50 \times 54.5 = 136.2'$  from Table III. For Sta. 159 deflection angle =  $2^\circ 16.2' + 8^\circ 20' \div 2 = 6^\circ 26.2'$ , etc.

**Externals.**—May be found in similar manner to tangents. Thus  $E$  for curve above is 91.37. For from Table IV for  $1^\circ$  curve  $E = 960.6$  for  $8^\circ 20' = 960.6 \div 8\frac{1}{3} = 91.27$  and from Table V correction = .10 or  $E = 91.37$  ft. Or suppose  $\Delta = 32^\circ$  and  $E$  is measured and found to be 42 ft. What is  $D$ ? From Table IV  $E = 230.9$  and  $\div 42 = 5.5$  or  $D = 5^\circ 30'$ .