1744

1744

CITY ENGINEER'S OFFICE

MICROFILMED
DEC 29 1964

MADE IN U.S.A.

Our Leather Bound Engineers Note Books are carried in the following rulings:

No. 380 LEVEL BOOK.	Left and Right Hand Page the same as Left Hand Page of this Book.
No. 382 FIELD BOOK.	Left Hand Page as in this Book, Right Hand Page 4x4 to the inch, Center Line Red.
No. 384 MINING TRANSIT BOOK.	Left Hand Page as in this Book, Right Hand Page 8x8 to the inch, Center Line Red.
No. 385 FIELD BOOK.	Left Hand Page as in this Book, Right Hand Page 8 vertical and 4 horizontal lines to the inch, Center Line Red.

We also carry the Note Books listed above, bound in extra strong Fabri-Hide (otherwise the same quality of book,) which can be furnished at a somewhat lower price.

In ordering Fabri-Hide covered books, add the letter "F" to catalog number.

THE FREDERICK POST CO.

ENGINEERING and DRAFTING SUPPLIES

P. O. Box 803 **CHICAGO**

INDEXED
to page #71

Madrid
Medow Grove
Michaelmas
No. Evergreen

Tie points + Cross Sec. 57-71

Rosecrans - See F.B. 1775

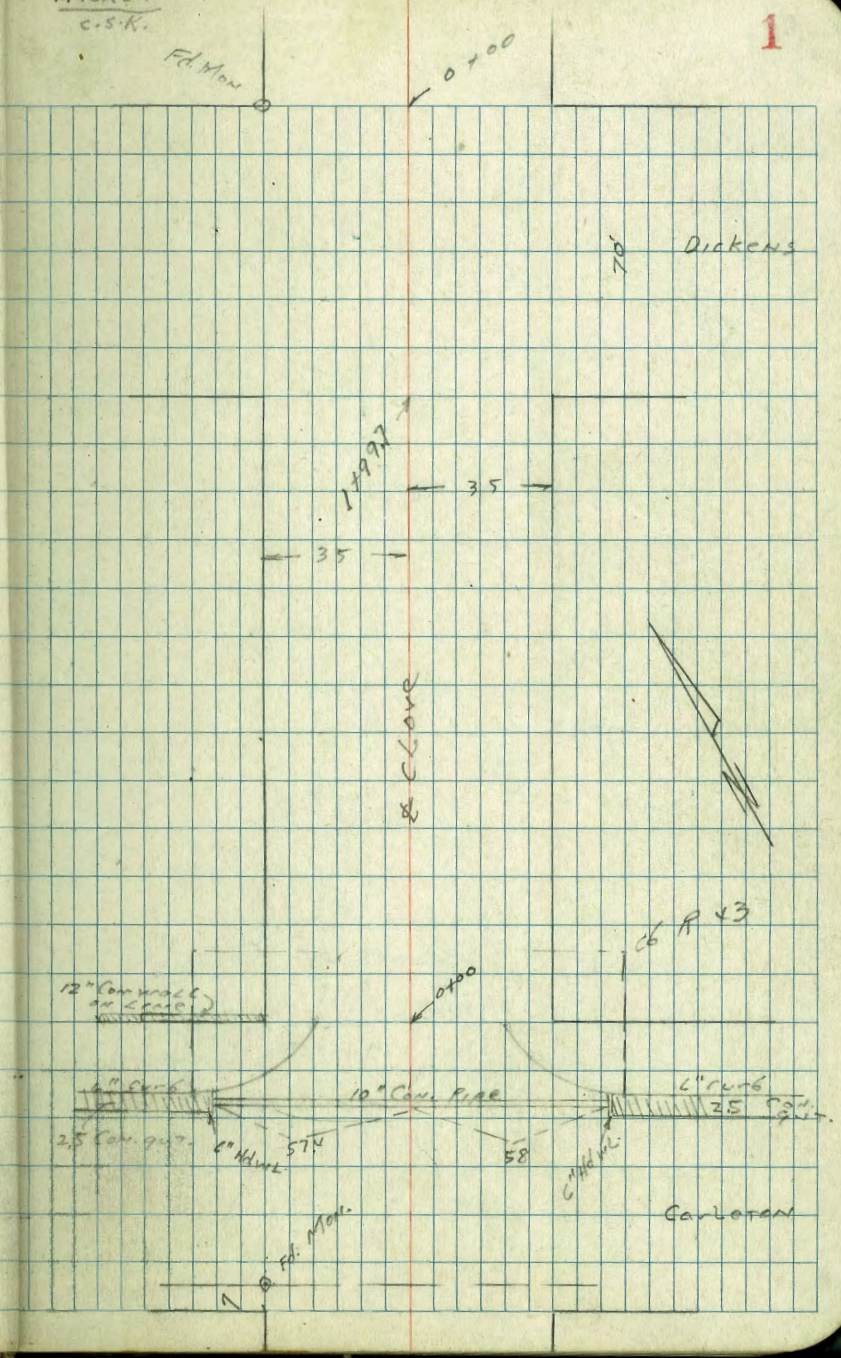
xsec Clove St. = 70' wide 18' curbs

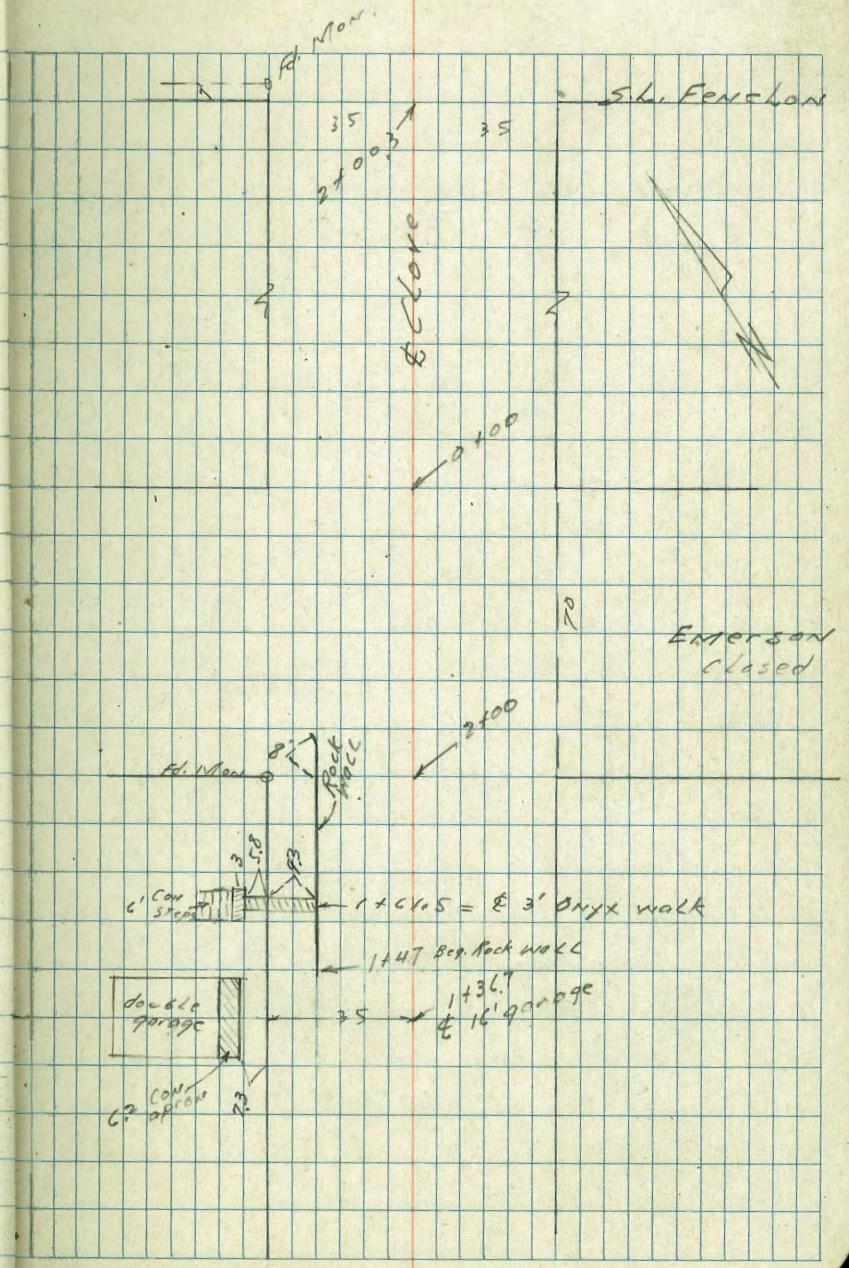
Carleton to Fenelon

C. Moore
Sommerman & Yeo
W.F.M.
E.B.
10-31-46

W.O. #1084

Indexed
C.S.K.




Fd. Mon.
S.L. Fenelon
35
35
2+00.3
℄ Clove
0+00
70
Emerson
Closed
2+00
Fd. Mon.
8'
Rock wall
3
5.8
9.3
6' Con Steps
1+61.5 = ℄ 3' Onyx walk
1+47 Beg. Rock wall
double garage
35
1+36.7
℄ 16' garage
6.2 Con apron
7.3

X sec Cloxe St.

0+50

0+49 26.3 Lt. P.P.

0+48 35' Lt. end hedge

0+25 155.7 / 1.9 / 35

0+04 155.2 / 2.4 / 35

0+00 N.L. Carleton 154.91 / 2.73 / 35 Top Con. wall

also Beg. Cypress hedge

0-09

0-18 N.Ly cb Line Carleton

T.P.	11.29	157.64	0.17	146.35
SWBP Carleton Plum	12.43	146.52		134.09

Lt. = W.Ly & Rt.

3

155.1 / 2.5 / 35 — 154.0 / 3.6 / 20 — 153.9 / 3.7 — 153.7 / 3.9 / 18 — 153.3 / 4.3 / 35

152.3 / 2.3 / 23 — 154.3 / 3.3 / 20 — 154.0 / 3.6 / 5 — 154.7 / 2.9 — 154.5 / 3.1 / 18 — 154.0 / 3.6 / 35

154.7 / 2.9 / 23 — 152.7 / 4.9 / 20 — 152.8 / 4.8 / 5 — 154.1 / 3.5 / 3 — 154.6 / 3.0 — 154.1 / 3.5 / 18 — 153.8 / 3.8 / 35

152.2 / 5.4 / 35 — 150.99 / 6.65 / 25 Top cb. — 152.6 / 5.0 / 25 ground — 152.2 / 5.4 — 151.7 / 5.9 / 25 ground — 150.03 / 7.61 / 25 Top cb. — 151.1 / 6.5 / 35 ground

151.27 / 6.37 / 33.5 Top cb. — 151.0 / 6.6 — 149.90 / 7.74 / 33.6 Top cb.

151.46 / 6.18 / 60 gt. — 152.29 / 5.35 / 60 cb — 151.10 / 6.54 / 57.4 F.C. 10" Pipe — 152.21 / 5.43 / 57.4 Top hdwl — 151.3 / 6.3 / 35 — 150.3 / 7.3 — 149.5 / 8.1 / 35 — 148.79 / 8.85 / 58 top hdwl — 147.66 / 9.98 / 58 F.C. 10" Pipe — 148.70 / 8.94 / 60 cb — 147.51 / 10.13 / 60 gt.

157.64

1+80	38.8 Lt. end wire fence			
1+75				
1+50				
1+25				
T.P.	6.23	158.83	5.04	152.60
1+00				
0+80	37.4 Lt. Beg. wire fence			
0+75				
0+58	Sin. garage			
	157.64			

Lt ℄ Rt

155.9	154.7	154.2	153.5	152.9	152.6
2.9	4.1	4.6	5.3	5.9	6.2
35	18		18	35	45
155.0	153.6	153.2	152.6	151.8	151.4
3.8	5.2	5.6	6.2	7.0	7.4
35	18		18	35	45
154.3	153.1	152.6	151.8	151.5	151.3
4.5	5.7	6.2	7.0	7.3	7.5
35	18		18	35	45

158.83

154.0	153.4	153.0	152.4	151.8	151.2
3.6	4.2	4.6	5.2	5.8	6.4
35	22	18		18	35
154.5	153.9	153.5	153.0	152.5	152.0
3.1	3.7	4.1	4.6	5.1	5.6
35	21	18		18	35

155.0

2.6
37
dirt floor

157.64

0+25

0+00 = Nly Dickens

Check BM. N wly Con. Mon. Clove Dickens 5.16 153.67 153.68 / 0.01

Nly curb Line Dickens

℄ Dickens

Sly curb Line Dickens

1+99.7 Sly Dickens St. = 70' wide / 18' curbs

1+98 26.6 Lt P.P.

158.83

Lt		℄		Rt
152.3 / 6.5 / 35	151.4 / 7.4 / 18	151.3 / 7.5	151.9 / 6.9 / 18	151.3 / 7.5 / 35
153.9 / 4.9 / 35	153.4 / 5.4 / 18	153.3 / 5.5	153.1 / 5.7 / 18	153.0 / 5.8 / 35
154.9 / 3.9 / 35	154.5 / 4.3 / 18	154.2 / 4.6	153.8 / 5.0 / 18	153.3 / 5.5 / 35
155.9 / 2.9 / 35	155.3 / 3.5 / 18	154.83 / 4.00 M.H. RIM	154.5 / 4.3 / 18	153.9 / 4.9 / 35
156.2 / 2.6 / 35	155.6 / 3.2 / 18	155.2 / 3.6	154.7 / 4.1 / 18	154.3 / 4.5 / 35
156.2 / 2.6 / 35	155.4 / 3.4 / 18	154.9 / 3.9	154.4 / 4.4 / 18	153.8 / 5.0 / 35

158.83

1+47 Beg. Rock wall on Lt.

1+36.7 ℄ 16' Con. apron

1+25

T.P. 2.78 148.76 12.85 145.98

1+01 27' Lt. P.P.

1+00

0+75

0+50

158.83

Lt ℄ Rt

145.7	144.8	144.4	143.8	142.5	141.6	139.5	139.2
3.1	4.0	4.4	5.0	6.3	7.2	9.3	9.6
35	25.7 wall	25	18		18	35	45

147.84	146.59
0.92	2.17
48.5 Con. Floor	42.3 Apron

146.3	145.7	145.0	144.1	143.3	142.3	141.9
2.5	3.1	3.8	4.7	5.5	6.5	6.9
35	25	18		18	35	45

148.76

147.4	146.4	145.5	144.8	144.3	144.0
11.4	12.4	13.3	14.0	14.5	14.8
35	18		18	35	45

148.7	147.8	147.2	147.2	146.7
10.1	11.0	11.6	11.6	12.1
35	18		18	35

150.3	149.7	149.6	149.2	149.0
8.5	9.1	9.2	9.6	9.8
35	18		18	35

158.83

	Lt			℄			Rt
Nly curb Emerson	140.8 / 8.0 / 35	138.6 / 10.2 / 18	137.1 / 11.7	135.4 / 13.4 / 18	134.4 / 14.4 / 35	132.6 / 16.2 / 50	
℄ Emerson	141.8 / 7.0 / 35	140.2 / 8.6 / 18	138.0 / 10.8	136.4 / 12.4 / 18	134.4 / 14.4 / 35	132.4 / 16.4 / 50	
Sly curb Emerson	143.0 / 5.8 / 35	141.8 / 6.9 / 25	141.1 / 7.7 / 18	138.9 / 9.9	136.8 / 12.0 / 18	134.4 / 14.4 / 35	133.0 / 15.8 / 50
2+00 Sly Emerson = 70' wide 18' curbs	143.9 / 4.9 / 35	143.1 / 5.7 / 25.7 wall	142.4 / 6.4 / 25.7	141.5 / 7.3 / 18	139.6 / 9.2	137.2 / 11.6 / 18	136.0 / 12.8 / 29	134.8 / 14.0 / 35	132.6 / 16.2 / 50
1+75	144.8 / 4.0 / 35	143.9 / 4.9 / 25.7 wall	143.2 / 5.6 / 25.7	142.5 / 6.3 / 18	140.7 / 8.1	139.1 / 9.7 / 18	135.9 / 12.9 / 35	134.7 / 14.1 / 50	
1+61.5 ℄ 3' Onyx walk	145.83 / 2.93 / 43.8 Bot. Steps	145.74 / 3.02 / 40.8 walk	145.22 / 3.54 / 35 walk	144.35 / 4.41 / 25.7 top wall and walk					

1+8.76

1+8.76

Clove St.

Lt ℄ Rt

1+00				140.5 / 2.9 / 45	139.3 / 4.1 / 35		137.6 / 5.8 / 22	135.4 / 8.0 / 20	135.4 / 8.0 / 18	134.8 / 8.6	134.1 / 9.3 / 18	134.1 / 9.3 / 35	132.6 / 10.8 / 55
0+75					138.1 / 5.3 / 45	136.7 / 6.7 / 35	136.3 / 7.1 / 30	135.2 / 8.2 / 27	134.5 / 8.9 / 18	134.0 / 9.4	133.4 / 10.0 / 18	133.0 / 10.4 / 35	131.7 / 11.7 / 55
0+52					136.5 / 6.9 / 55		135.3 / 8.1 / 45	134.7 / 8.7 / 35	134.1 / 9.3 / 18	133.5 / 9.9	132.8 / 10.6 / 18	132.2 / 11.2 / 35	131.3 / 12.1 / 55
0+37							135.3 / 8.0 / 45	134.8 / 8.5 / 35	134.2 / 9.1 / 18	133.4 / 10.0	132.7 / 10.7 / 18	132.1 / 11.3 / 35	131.3 / 12.1 / 55
0+25						138.4 / 5.0 / 45	136.6 / 6.8 / 35	135.0 / 8.4 / 25	134.8 / 8.6 / 18	133.6 / 9.8	132.7 / 10.7 / 18	132.0 / 11.4 / 35	131.3 / 12.1 / 55
T.P.	6.34	143.39	11.71	137.05						143.39			
0+00 Nly Emerson						139.8 / 9.0 / 35	138.6 / 10.2 / 25	137.1 / 11.7 / 23	136.9 / 11.9 / 18	135.9 / 12.9	134.3 / 14.5 / 18	133.1 / 15.7 / 35	132.0 / 16.8 / 50
		148.76								148.76			

x see Clove

End Curb Clove
T.P. SE Cor. Fenelon 9.62 137.13

2+00.3 S Cy Fenelon

1+97

1+75

T.P. 9.62 146.75 6.26 137.13

1+50

1+25

143.39

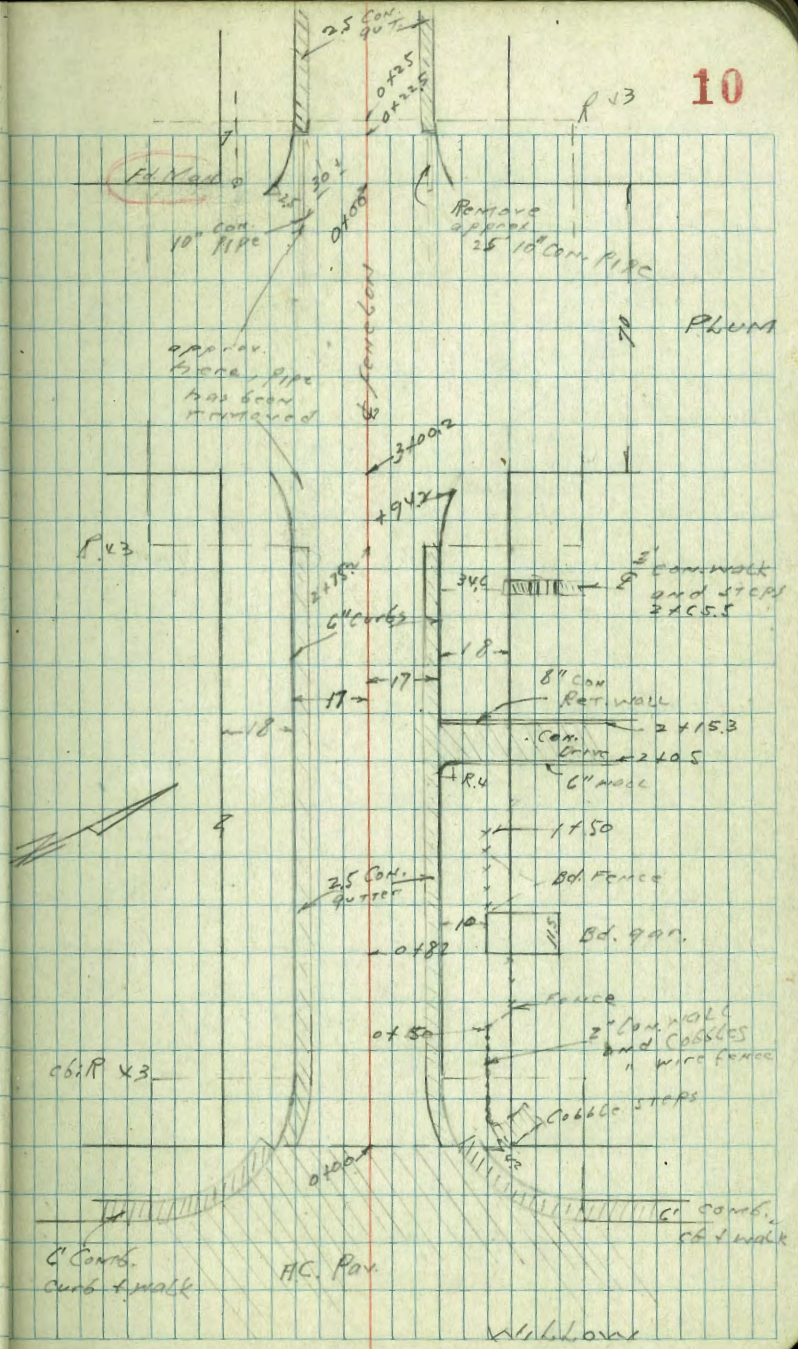
Lt		℄		Rt			
141.4	138.04	137.8	137.5	136.8	136.4	137.13	136.8
5.3	8.71	8.9	9.2	9.9	10.3	9.62	9.9
35	25	18		18	25	25	35
	Top Curb					Top Curb	
146.2	144.3	138.1	137.5	137.2	136.8	136.4	
0.5	2.4	8.6	9.2	9.5	9.9	10.3	
35	25	20		18	35	40	
144.7	143.1	137.7	137.5	137.3	136.6	135.4	
2.0	3.6	9.0	9.2	9.4	10.1	11.3	
35	22	20		18	35	50	
			146.75				
143.2	141.2	136.9	136.5	136.3	135.5	134.9	
0.2	2.2	6.5	6.9	7.1	7.9	8.5	
35	22	20		18	35	50	
141.4	139.5	135.9	135.7	135.5	135.3	133.6	
2.0	3.9	7.5	7.7	7.9	8.1	9.8	
35	21	20		18	35	55	
			143.39				

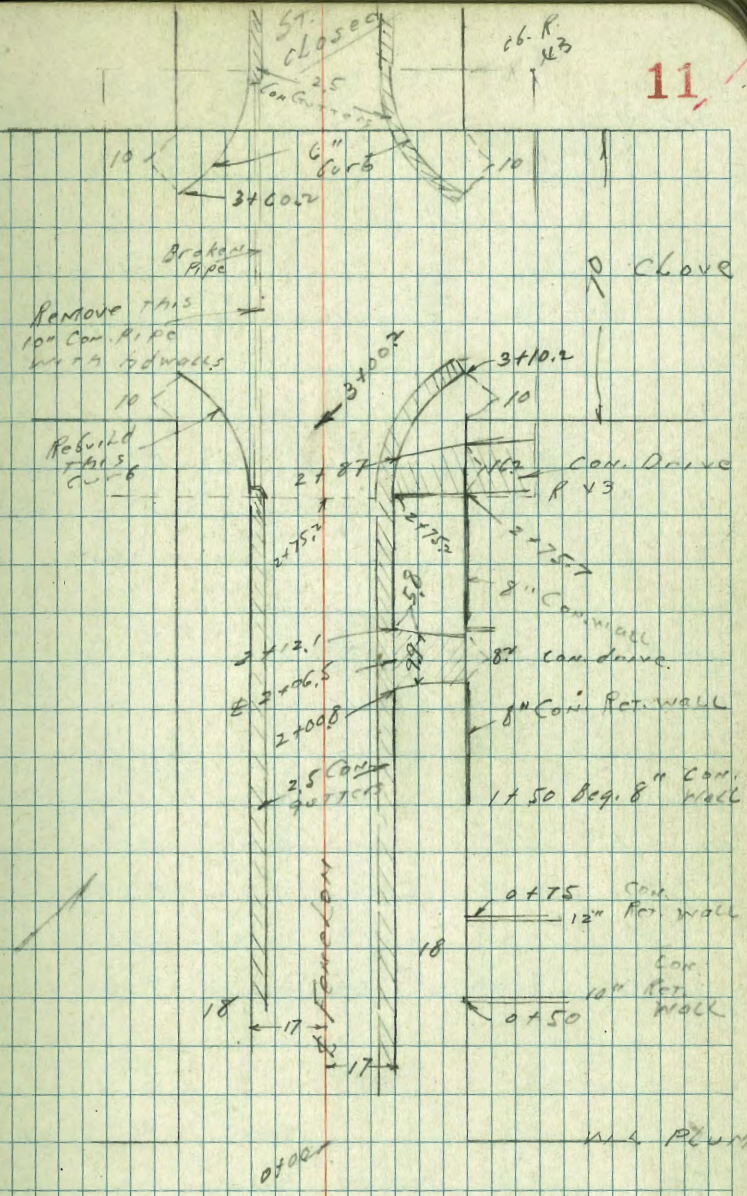
Indexed
C.S.K.

Xsec Fenelon St
Willow to Clove
W.O. #1084

Note!
All Existing
curbs are 6"

0+00 to 0+80 on Rt. Sdr. Fenelon
is a jungle of shrubs, cacti
and vines overgrowing
2" Con wall & fence




St. closed
2.5 Con Gutters
6" Curb
10
10
3+60.2
Broken Pipe
Remove this 10" Con. Pipe with hdwalls
Rebuild this Curb
3+00.2
3+10.2
10
10
Clove
2+87
Con. Drive
R V3
2+75.2
2+75.2
2+75.7
8" Con. wall
2+12.1
2+06.5
2+00.8
8" Con. drive
8" Con. Ret. wall
2.5 Con. gutters
1+50 Beg. 8" Con. wall
0+75
12" Con. Ret. wall
18
10" Con. Ret. wall
0+50
18
17
17
Fenelon
W.L. Plum
0+00

X sec Fenelon

0 - 9

0 - 18 W c6 Willow

00 - 35 ℄ Willow

Sw B.P. Fenelon and Willow	5.92	57.49 ~~57.52~~	51.57 ~~51.60~~	

I used this

check to	Sw BP		6.00	51.60	51.57 0.03
T.P.	3.74	57.60	9.93	53.86	
T.P.	0.23	63.79	12.97	63.56	
Sw.B.P.	0.09	76.53		76.44	

check to Sw BP			5.92	51.64	51.57 0.07
T.P.	8.70	57.56	0.38	48.86	
T.P.	12.10	49.24	0.71	37.14	
Sw BP Fenelon Evergreen	12.74	37.85		25.11	

Lt = Sly ℄ Rt

51.20	50.65	50.63	50.58	50.01	49.37	50.03	
6.29	6.84	6.86	6.91	7.48	8.12	7.46	
34	34	17		17	33.8	33.9	
c6						c6	

51.57	50.80	50.58	50.40	50.23	49.80	49.35	49.32	50.09
5.92	6.69	6.91	7.09	7.26	7.69	8.14	8.17	7.40
60	60	35	17		17	35	60	60
c6								c6

50.81	50.36	50.02	49.75	49.39	49.09	49.30	
6.68	7.13	7.47	7.74	8.10	8.40	8.19	
60	35	17		17	35	60	

57.49 ~~57.52~~

I should have used this

Fenelon & Willow

Dickens & Willow

Fenelon & Willow

					Lt				℄				Rt	
0+50	= end wall				59.6	58.75	57.94	58.16	57.9	57.15	56.86	57.64	59.2	59.3
		70.05		57.47	10.5	11.30	12.11	11.89	12.2	12.90	13.19	12.41	10.9	10.8
T.P.	12.58	~~70.08~~	0.02	~~57.50~~	35	17	17	14.5	70.05	14.5	17	17	28.3	35
						c6			~~70.08~~			c6	Top wall + ground	
0+25	Note!											56.3	56.3	
		14.5	Rt + Lt = edge gutter									1.2	1.2	
												28	35	
												Top wall		
0+25					55.7	54.87	54.06	54.26	54.4	53.40	53.12	53.88	54.4	
					1.8	2.62	3.43	3.23	3.1	4.09	4.37	3.61	3.1	
					35	17	17	14.5		14.5	17	17	27.5	
						c6		edge gt.		edge gt		c6	Bot. wall	
0+12.5												55.2	55.2	
												2.3	2.3	
												30.3	35	
												Top wall		
0+12.5					53.8	53.05	52.27	52.46	52.7	51.52	51.22	52.01	52.6	
					3.7	4.44	5.22	5.03	4.8	5.97	6.27	5.48	4.9	
					35	18.7	18.7	16		16	18.7	18.7	29	
						c6	gt	edge gt		edge gt	gt	c6	Bot. wall	
0+00	W.L. Willow				51.9	51.41	50.80	51.06	51.11	50.37	49.72	50.50	50.5	
					5.6	6.08	6.69	6.43	6.38	7.12	7.77	6.99	7.0	
					35	24.7	24.7	17	57.49	17	24.7	24.7	35	
						c6			~~57.52~~			c6		
		57.49												
		~~57.52~~												

1+50

1+40 - Beg. 3" Con. wall 34.7 RT

1+25

T.P. 12.37 81.72 ~~81.75~~ 0.70 69.35 ~~69.38~~

1+00

0+86.5 ℄ 14.5 drive & gar. dirt floor
thru curb

0+75 28.5 RT. 3" d. Cypress

0+60 28.5 Rt. 3" d. Cypress
70.05
~~70.08~~

LT				℄				RT			
74.5	74.29	73.52	73.71	73.6	73.69	73.40	73.18	73.1	72.5	72.82	69.6
7.2	7.43	8.20	8.01	8.1	8.03	8.32	8.54	8.6	9.2	9.70	12.1
35	17	17	14.5		14.5	17	17	28	34.7	34.7	40
	06									Wall	

71.71	71.6	71.2	71.93	69.3
10.01	10.1	10.5	9.79	12.4
17	26	34.7	34.7	40
06				

70.4	70.37	69.58	69.85	69.5	68.75	68.55	69.29	68.8	68.1
11.3	11.35	12.14	11.87	12.2	12.97	13.17	12.43	12.9	13.6
35	17	17	14.5		14.5	17	17	28	35
	06						06		

81.72
~~81.75~~

66.4	66.40	65.61	65.84	65.7	64.94	64.69	65.46	66.1
3.7	3.65	4.44	4.21	4.4	5.14	5.36	4.59	4.0
35	17	17	14.5		14.5	17	17	35
	06						06	

62.81	62.59	63.4
7.24	7.46	6.7
14.5	17	27 gar.
	gar. drive	dirt floor

62.6	62.61	61.76	62.05	61.8	60.98	60.78	61.55	62.6
7.5	7.44	8.29	8.00	8.3	9.07	9.27	8.50	7.5
35	17	17	14.5		14.5	17	17	35
	06						06	

70.05
~~70.08~~

2+15.3

2+15.3

2+05

2+05 E.L. Con drive on Rt.

2+00

T.P. 11.82 92.89 ~~92.91~~ 0.65 81.07 ~~81.10~~

1+75

1+51

81.72 ~~81.75~~

Lt ℄ Rt.

81.12	82.81	81.33
11.77	10.08	11.50
53	53	77
drive	Top wall	gar. floor

82.71	83.56	81.55	83.17
10.18	9.33	11.34	9.72
17	17	35	35
91	66	drive	Top wall
	Top wall		

80.93	81.38	81.33	81.56
11.96	11.51	11.50	11.33
53	53	77	17
drive	Top	Gar. floor	Top wall

81.07	80.99	81.32	80.93	81.29
11.82	11.90	11.57	11.96	11.60
17	21	21	35	35
91	drive	wall	dr.	Top wall

82.6	82.23	81.46	81.69	81.2	80.60	80.30	81.05	80.9
10.4	10.66	11.43	11.20	11.4	12.29	12.59	11.84	12.0
35	17	17	14.5		14.5	17	17	35
	66						66	

92.89 ~~92.91~~

78.7	78.25	77.46	77.66	77.5	76.62	76.30	77.08	77.3
3.0	3.47	4.26	4.06	4.2	5.10	5.42	4.64	4.4
35	17	17	14.5		14.5	17	17	35
	66						66	

73.33	73.2	72.6	71.6
8.39	8.5	8.1	10.1
17	27	35	45
66			

81.72 ~~81.75~~

2+94.2				
2+87.7				
2+75.2	= end 2.5 gutters Con.			
2+65.5	℄ 3' Con walk			
2+75				
T.P.	10.66	103.16 ~~103.17~~	0.39	92.50 ~~92.53~~
2+50				
2+25				
		92.89 ~~92.92~~		

LT ℄ RT

95.56
1.60
21
Top end curb

96.5	95.71	95.2	95.1	94.7	93.8	93.8	94.64	95.3
6.7	7.45	8.0	8.1	8.5	9.4	9.4	8.52	7.9
35	18.9	18.9	17		17	18.9	18.9	35
	66						66	

94.7	94.02	93.20	93.47	93.0	92.21	92.05	92.89	94.0
8.5	9.14	9.96	9.69	10.7	10.95	11.11	10.27	8.2
35	17	17	14.5		14.5	17	17	35
	66						66	

93.30	93.32	95.25
9.86	9.84	7.91
34.6	38.2	42.1
Top walk	Top block	Top stairs

103.16
~~103.17~~

90.5	90.00	89.24	89.50	89.1	88.27	88.13	8888	89.5
2.5	2.89	3.65	3.39	3.8	4.62	4.76	4.01	3.1
35	17	17	14.5		14.5	17	17	35
	66						66	

86.6	86.14	85.35	85.59	85.3	84.48	84.21	84.95	85.6
6.3	6.75	7.54	7.30	7.6	8.41	8.68	7.94	7.3
35	17	17	14.5		14.5	17	17	35
	66						66	

92.89
~~92.92~~

3+47.9

3+52.2 Wly cb Plum

3+35.2 ℄ Plum

3+18.2 Ely cb Plum

3+01.4

3+00.2 Ely Plum

103.16
~~103.19~~

Lt ℄ Rt

99.13
4.03
32.7
Top end cb.

100.0	98.3	98.3	98.7	98.6	98.2
3.2	4.9	4.9	4.5	4.6	5.0
35	24	17		17	35

98.9	98.2	98.1	97.9	97.5
4.3	5.0	5.1	5.3	5.7
35	17		17	35

99.4	98.0	97.4	97.0	96.8
4.8	5.2	5.8	6.2	6.4
35	17		17	35

97.81
5.35
24.7
Top cb end

97.5	97.63	96.4	96.8	96.3	95.6	95.7	96.4	96.6
5.7	5.53	6.8	6.4	6.9	7.6	7.5	6.8	6.6
35	23.8 cb	23.8	17		17	25	26	35

103.16
~~103.19~~

0 + 63					
0 + 50				107.5 / 3.2 / 35	105.68 / 5.0 / 28
0 + 25	Beg. 2.5 quarters			105.6 / 5.1 / 35	102.7 / 8.0 / 28
0 + 12.5					
T.P. Mon 7'	11.51	110.68 ~~110.71~~	3.99	99.17 ~~99.20~~	
Swi Pluma Fenelon					
0 + 00 / 3 + 70.2 = Wly Plum					
3 + 69.9					
		103.16 ~~103.19~~			

Lt ℄ Rt

108.3 / 2.4 / 35	107.1 / 3.6 / 29	3.70 / 17 / C6	106.98							
105.36 / 5.32 / 17 / C6	104.57 / 6.11 / 17	104.74 / 5.94 / 14.5	105.0 / 5.7 / 8	105.0 / 5.7	104.68 / 6.0 / 8	103.78 / 6.90 / 14.5	103.60 / 7.08 / 17	104.41 / 6.27 / 17 / C6	105.0 / 5.7 / 28	107.2 / 3.5 / 35
102.23 / 8.45 / 17 / C6	101.43 / 9.25 / 17	101.69 / 8.99 / 14.5	102.2 / 8.5 / 8	102.0 / 8.7	101.8 / 8.9 / 8	100.82 / 9.86 / 14.5	100.57 / 10.12 / 17	101.27 / 9.41 / 17 / C6	101.0 / 9.7 / 27	104.3 / 6.4 / 35
103.9 / 6.8 / 35	101.2 / 9.5 / 29	100.77 / 9.91 / 18.7 / C6	100.68 / 10.0 / 17	100.8 / 9.9 / 8	100.68 / 10.0	100.6 / 10.1 / 8	100.1 / 10.6 / 17	99.86 / 10.82 / 18.7 / C6	100.1 / 10.6 / 27	102.4 / 8.3 / 35
					110.68 ~~110.71~~					
102.1 / 1.1 / 35	99.7 / 3.5 / 30	99.42 / 3.74 / 24 / C6	99.5 / 3.7 / 17	99.9 / 3.3	99.4 / 3.8 / 17	98.24 / 4.92 / 24.6 / C6	99.4 / 3.8 / 25	99.4 / 3.8 / 32	100.8 / 2.4 / 35	
							98.17 / 4.99 / 25.5 Top end C6.			
					103.16 ~~103.19~~					

1+25				117.3 / 4.5 / 35	114.9 / 6.9 / 28
1+21					
1+00				113.8 / 8.0 / 35	111.9 / 9.9 / 28
T.P.	11.70	121.82 / ~~121.85~~	0.56	110.12 / ~~110.15~~	
0+76					
0+75				112.1 / + 1.4 / 35	108.9 / 7.8 / 28
0+69					
		110.68 / ~~110.71~~			

114.92 / 6.90 / 17 / 66	114.10 / 7.72 / 17	114.33 / 7.49 / 14.5	114.5 / 7.3 / 8	114.4 / 7.4	114.1 / 7.7 / 8	113.39 / 8.43 / 14.5	113.05 / 8.77 / 17	112.84 / 7.98 / 17 / 66	114.0 / 7.8 / 26	116.9 / 4.9 / 35

115.2 / 6.6 / 35	114.6 / 7.2 / 29	114.42 / 7.40 / 17 / 66

111.72 / 10.10 / 17 / 66	110.96 / 10.86 / 17	111.23 / 10.59 / 14.5	111.4 / 10.4 / 8	111.9 / 10.5	111.0 / 10.8 / 8	110.19 / 11.63 / 14.5	110.08 / 11.74 / 17	110.75 / 11.07 / 17 / 66	111.1 / 10.7 / 26	114.3 / 7.5 / 35

121.82 / ~~121.85~~

107.67 / 3.01 / 17 / 66	109.4 / 1.3 / 29	110.7 / 0.0 / 35

108.51 / 2.17 / 17 / 66	107.74 / 2.94 / 17	107.96 / 2.72 / 14.5	108.1 / 2.6 / 8	108.2 / 2.5	107.8 / 2.9 / 8	107.04 / 3.64 / 14.5	106.79 / 3.89 / 17	107.59 / 3.09 / 17 / 66	108.0 / 2.7 / 29	108.7 / 2.0 / 35

111.6 / + 0.9 / 35	107.9 / 2.8 / 27	107.71 / 2.97 / 17 / 66

110.68 / ~~110.71~~

1+88				
1+81				
T.P.	12.49	133.44 / ~~133.47~~	0.87	120.95 / ~~120.98~~
1+75				
1+75				121.81 / 0.1 / 35 — 121.1 / 0.7 / 29
1+50				
1+50	Beg. 8" Con wall on rock			120.2 / 1.6 / 35 — 118.3 / 3.5 / 29
		121.82 / ~~121.85~~		

Lt ℄ Rt

125.0 / 8.4 / 35 — 123.0 / 10.4 / 30 — 122.8 / 10.60 / 17 / 06

122.3 / 11.1 / 35 — 122.1 / 11.3 / 30 — 121.99 / 11.45 / 17 / 06

133.44 / ~~133.47~~

120.5 / 1.3 / 35 Bot. wall — 124.78 / + 2.96 / 35 Top wall

121.25 / 0.57 / 17 / 06 — 120.50 / 1.32 / 17 — 120.73 / 1.09 / 14.5 — 120.8 / 1.0 / 8 — 120.8 / 1.0 — 120.4 / 1.4 / 8 — 119.69 / 2.3 / 14.5 — 119.47 / 2.35 / 17 — 120.24 / 1.58 / 17 / 06 — 120.4 / 1.4 / 25 — 121.82 / 0.0 / 35

118.7 / 3.1 / 35 Bot. wall — 124.07 / + 2.25 / 35 Top wall

118.11 / 3.71 / 17 / 06 — 117.31 / 4.51 / 17 — 117.53 / 4.29 / 14.5 — 117.7 / 4.1 / 8 — 117.6 / 4.2 — 117.2 / 4.6 / 8 — 116.57 / 5.25 / 14.5 — 116.38 / 5.44 / 17 — 117.15 / 4.67 / 17 / 06 — 117.4 / 4.4 / 28 — 119.8 / 2.0 / 35

121.82 / ~~121.85~~

7+25	128.5 / 2.9 / 35	127.7 / 5.7 / 27	
2+12.1	W edge do.		
2+06.5	E Conc. Drive		
2+00.8	E. edge Drive, See Sketch		
2+00			
2+00	126.3 / 7.1 / 35	124.8 / 8.6 / 30	
	133.44 ~~133.47~~		

Lt ℄ Rt

127.52 / 5.92 / 17	126.71 / 6.73 / 17	126.95 / 6.49 / 14.5	127.0 / 6.4 / 8	126.9 / 6.5	126.5 / 6.9 / 8	125.98 / 7.44 / 14.5	125.71 / 7.73 / 17	126.51 / 6.93 / 17 / C6	126.4 / 7.0 / 25	127.8 / 5.6 / 35
						124.90 / 8.54 / 17	124.88 / 8.56 / 22.8		125.30 / 8.14 / 35	
						123.40 / 10.04 / 17 / 9C7	124.36 / 9.08 / 22.8		125.09 / 8.35 / 35	
						123.48 / 9.96 / 17 / C6	123.86 / 9.58 / 22.8		123.86 / 8.58 / 35	
						124.1 / 9.3 / 35	123.2 / 10.2 / 35 / Bot. wall		126.24 / 7.20 / 35 / Top Wall	
124.36 / 9.98 / 17 / C6	123.56 / 9.88 / 17	123.84 / 9.60 / 14.5	123.9 / 9.5 / 8	123.8 / 9.6	123.5 / 9.9 / 8	122.80 / 10.64 / 14.5	122.56 / 10.88 / 17		123.39 / 10.05 / 17 / C6	
				133.44 ~~133.47~~						

2 + 87 Wedge dr. See Sketch

2 + 81,2 ℄ Dr.

2 + 75,2 c6 sta. E edge Drive and 2 + 75,7 at N.W.
Sketch P. 11

2 + 75,2 — 134.6 / 8.1 / 35 — 133.9 / 8.8 / 30

T.P. 9.77 — 142.71 ~~142.74~~ — 0,50 — 132.94 ~~132.97~~

2 + 50 — 132.6 / 0.8 / 35 — 130.8 / 2.6 / 29

2 + 42

133.44 ~~133.47~~

Lt ℄ Rt

134.41 / 8.30 / 18.8 / c6 — 135.21 / 7.50 / NL Fenelon

132.91 / 9.80 / 9.67 — 133.89 / 8.82 / 23.3 — 135.05 / 7.66 / 35

132.94 / 9.77 / 17 / c6 — 133.09 / 9.62 / 22.5 E edge Dr. — 134.94 / 7.77 / 34 — 134.98 / 7.73 / 35

133.93 / 8.78 / 17 / c6 — 133.04 / 9.67 / 17 — 133.36 / 9.35 / 14.5 — 133.6 / 9.1 / 8 — 133.2 / 9.5 — 132.7 / 10.0 / 8 — 132.40 / 10.31 / 14.5 — 132.12 / 10.59 / 17 — 132.94 / 9.77 / 17 / c6 — 133.71 / 9.0 / 25 — 134.4 / 8.3 / 35

142.71 ~~142.74~~

130.67 / 2.77 / 17 / c6 — 129.88 / 3.56 / 17 — 130.18 / 3.26 / 14.5 — 130.2 / 3.2 / 8 — 130.1 / 3.3 — 129.6 / 3.8 / 8 — 129.21 / 4.23 / 14.5 — 128.93 / 4.51 / 17 — 129.71 / 3.73 / 17 / c6 — 129.6 / 3.8 / 25 — 130.3 / 3.1 / 35

129.5 / 3.9 / 35 — 129.6 / 3.8 / 30 — 129.65 / 3.79 / 17 / c6

133.44 ~~133.47~~

3+35.2 E Clove
17

3+18.2 E cb Clove

3+12.7

3+10.2 = Curb ends
25

3+00.2 E.L. Clove

2+87.7

142.71
~~142.74~~

L+ ℄ R+

137.5 / 5.2 / 35	137.5 / 5.2 / 17	137.3 / 5.4	136.5 / 6.2 / 17	137.2 / 5.5 / 24	140.2 / 2.5 / 31	140.3 / 2.4 / 35
136.9 / 5.8 / 35	136.8 / 5.9 / 29	137.0 / 5.7 / 17	136.9 / 5.8	136.2 / 6.5 / 17	136.8 / 5.9 / 28	137.8 / 4.9 / 35

135.88 / 6.83 / 35 end outside gut.

137.15 / 5.56 / 35 Top end curb

135.68 / 7.03 / 35 end gut

136.42 / 6.29 / 35 Top end cb

137.0 / 5.7 / 35	136.90 / 5.81 / 24.8 cb	135.8 / 6.9 / 24.8	135.8 / 6.9 / 17	135.9 / 6.8	135.1 / 7.6 / 17	135.35 / 7.36 / 22.2 edge gut	135.22 / 7.49 / 24.6 gt	135.97 / 6.74 / 24.6 cb	136.1 / 6.6 / 35
135.9 / 6.8 / 35	135.37 / 7.34 / 19 cb	134.9 / 7.8 / 19	134.9 / 7.8 / 17	134.7 / 8.0	133.85 / 8.86 / 16.5 edge gut	133.71 / 9.00 / 19	134.47 / 8.24 / 19 cb		

142.71
~~142.74~~

Note! if you use El. 51.57 Rec.
at Fenelon & Willow
would have checked circuit
by 0.02

Set BM Clove & Fenelon 9.97 132.74 ~~132.77~~
B.P. N Ely Cor.

check to T.P. P.9 5.56 137.15 ~~137.18~~

3 + 70.2 W L Clove 141.5 / 1.2 / 35 139.0 / 3.7 / 30

3 + 60.2

3 + 52.2 W cb Clove

142.71
~~142.74~~

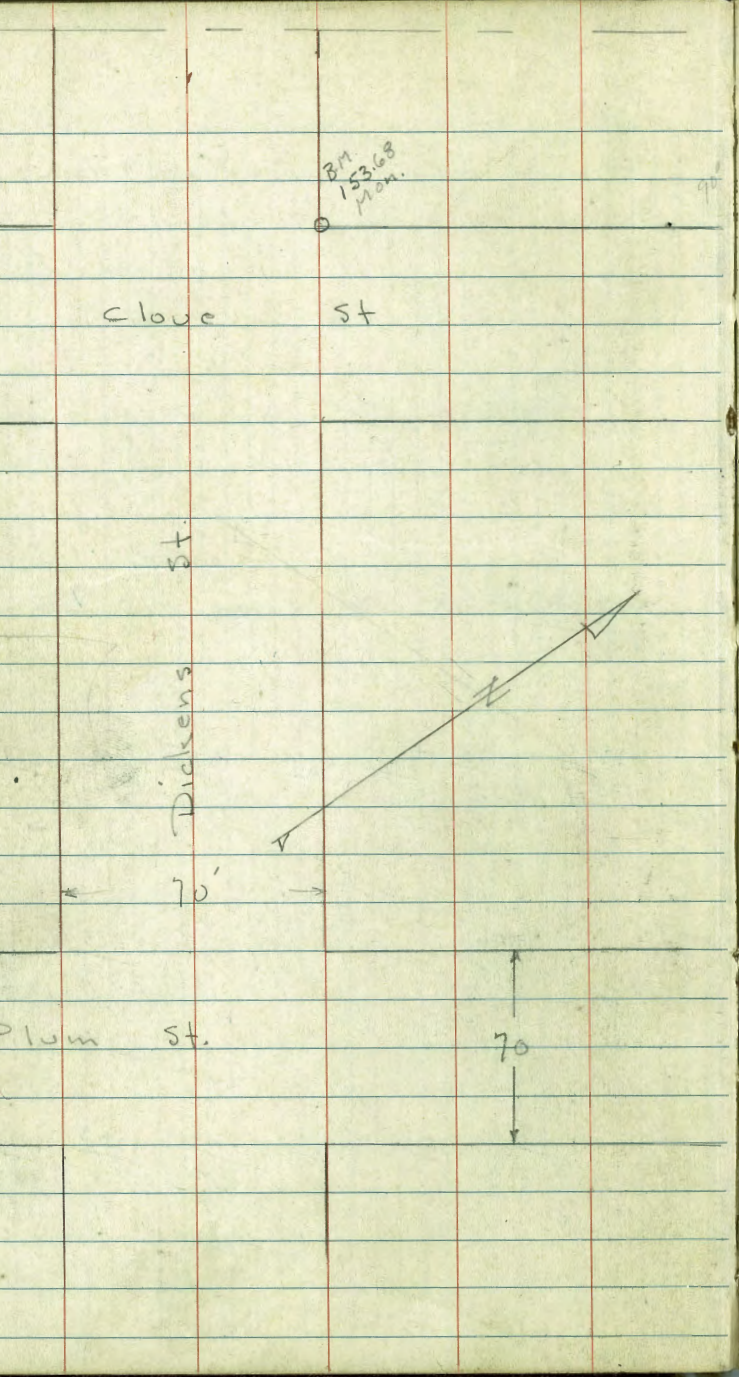
137.13 / 0.05 = T.P. P.9 from Plum & Carleton

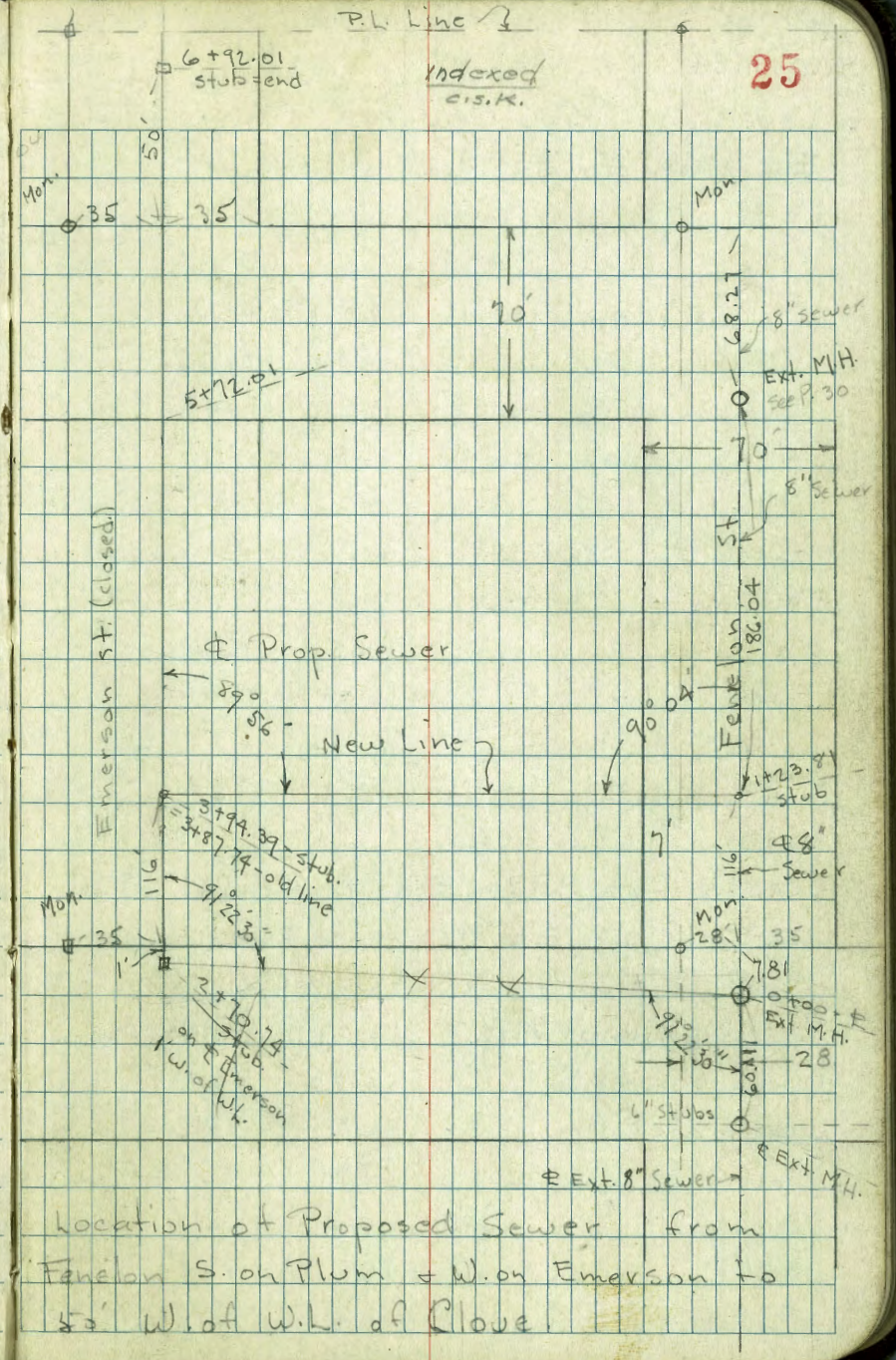
139.0 / 3.7 / 23
138.33 / 4.38 / 22.4 top
138.6 / 4.1 / 17
138.8 / 3.9
137.5 / 5.2 / 17
136.92 / 5.79 / 22 edge
136.59 / 6.12 / 24.5 gt.
137.37 / 5.34 / 24.5 cb
141.1 / 1.6 / 35

138.06 / 4.65 / 35 cb end
137.03 / 5.68 / 35 cb end
136.20 / 6.51 / 35 gut.

137.9 / 4.8 / 35
138.1 / 4.6 / 17
137.8 / 4.9
136.9 / 5.8 / 17
138.3 / 4.4 / 31
141.4 / 1.3 / 35

142.71
~~142.74~~





Location of Proposed Sewer from Fenelon S. on Plum & W. on Emerson to 45' W. of W.L. of Clove.

705
W.O. 1084

Levels on Prop. Sewer - Plum + Emerson to 50' W. of W.L. Clove.

B.M.	0.61	154.29		153.68	N.W. Prop Mon Dickens + Clove
	0.00	141.72	12.57	141.72	
	0.76	129.42	13.06	128.66	
	0.14	116.58	12.98	116.44	
	3.06	106.45	13.19	103.39	

0-Co.11 Ext. Sewer M.H. on ℄ and E. side of Fenelon + Plum

On Rim			9.95	96.50
F.L. 6" Sewer			15.44	91.01
T.P.	11.37	110.61	7.21	99.24 S.W. Mon.

0+00 = ℄ Ext. M.H. on ℄ of Fenelon St. 7.81 W. of the W.L. of Plum. - 6" Live line up and down Fenelon + 6" stubs both ways on Plum.

0+00 = Rim of M.H.	12.07	98.54	Covered
F.L. 6" Stub to S.	18.43	92.18	
Ground at M.H.	11.3	99.3	
0+17	11.8	98.8	
0+26			
℄	11.5	99.1	
4.9 Rt = end of ch. Rot.	11.42	99.19	

1-7-47 + 1-9-47

Osborne
Hardin
Worrell
Smith

110.61

20 Rt.	9.6	101.0
20 Lt.	12.1	98.5
0+34 - 3.1 Lt. = ℄ P. pole		
0+50 - 3.4 Lt. = ℄ Guy - Dead man		
℄	6.9	103.7
6 Rt.	4.5	106.1
20 Rt.	3.2	107.4
20 Lt.	8.8	101.8
1+00		
℄	4.8	105.8
20 Rt.	3.5	107.1
20 Lt.	6.2	104.4
1+40		
℄	4.8	105.8
20 Rt.	3.4	107.2
20 Lt.	6.7	103.9
1+60		
℄ = Beg. Top of fill	3.9	106.7
20 Rt.	3.2	107.4
6 Lt.	7.1	103.5
20 Lt.	8.6	102.0
2+00		
℄ = Top fill	3.0	107.6
20 Rt.	2.2	108.4
28 Lt. = Toe of Slope	18.2	92.4

110.61

2+20		
℄ - Top fill	2.9	107.7
20 Rt.	1.3	109.3
23 Lt. = Toe fill	15.9	94.7
2+60 = end of fill		
℄	0.7	109.9
20 Rt.	+0.5	111.1
20 Lt.	2.4	108.2
T.P 13.05 122.92	0.74	109.87
2+70.74 = Angle pt		
℄ on Stub.	11.36	111.56
20' E. on ℄ Emerson	12.6	110.3
20' S. on Tang. prod.	7.8	115.1
3+00		
℄	8.8	114.1
20 Rt.	11.3	111.6
20 Lt.	5.8	117.1
3+50		
℄	5.9	117.0
20' Rt.	8.5	114.4
100 Rt. - vacant Lot.	10.9	112.0
20 Lt. - all Lots to S. are Higher	2.2	120.7

122.92

4+00		
℄	3.5	119.4
20' Rt.	5.0	117.9
100' Rt.	6.4	116.5
20 Lt. Higher to S.	0.0	122.9
T.P. 12.59 135.22	0.29	122.63
4+50		
℄	13.0	122.2
20 Rt.	13.3	121.9
100 Rt.	14.0	121.2
20 Lt.	9.3	125.9
5+00		
℄	8.4	126.8
20 Rt.	8.5	126.7
100 Rt.	9.8	125.4
10 Lt.	11.3	123.9
20 Lt. Higher to S.	9.0	126.2
5+40		
℄	4.2	131.0
20 Rt.	4.2	131.0
100 Rt.	5.0	130.2
35 Lt. = in gulley	5.3	129.9
60 Lt. - Higher to S.	1.4	133.8

T.P.	12.37	147.21	0.38	134.84
5+72.01 = E.L. Clove				
℄			12.7	134.5
20 Rt.			13.1	134.1
20 Lt.			12.2	135.0
6+00				
℄			9.7	137.5
6+42.01 = W.L. Clove				
℄			5.3	141.9
20 Rt.			6.4	140.8
20 Lt.			4.1	143.1
T.P.	9.44	156.62	0.03	147.18
6+72 - 50.5 Lt = ℄ House				
℄			12.1	144.5
20 Rt.			13.3	143.3
20 Lt.			10.8	145.8
50.5 Lt = Stucco House floor elev of			6.37	150.25
" " = Ground at House			9.6	147.0
6+92.01 = end.				
℄ on Stub.			10.37	146.25
20 Rt.			11.3	145.3
40 Rt.			12.6	144.0
80 Rt = Low point			17.6	139.0

156.62

20 Lt.	9.3	147.3	
check starting BM	2.90	153.72 ✓	- 153.68

Levels on Prop. Sewer - New Line along W.L. of Lot 4 - 4' E.
See Sketch P. 25

B.M.	12.04	111.28		99.24	S.W. Mon. P. 26
0+00 = ℄ Ext. M.H. - 7.81 E. of W.L. Plum.					
℄ = Top ground for F.L. & Rim - See P26			12.1	99.2	
0+15 - ℄			11.0	100.3	
0+30 - ℄			9.6	101.7	
0+75 - ℄			4.1	107.2	
T.P.	9.11	120.39	0.00	111.28	
1+23.81 = Angle Pt. = on Stub			7.16	113.23	
1+38.2 = N. edge Conc. gutter 2.6' wide					
℄ on gut.			7.15	113.24	
10 Rt.			5.87	114.52	
10 Lt.			8.36	112.03	
1+40.8 = face S. cb. of Fenelon					
℄ in gut.			7.37	113.02	
℄ Top cb.			6.55	113.84	
10 Rt. = gut.			6.09	114.30	
" " = Top cb.			5.28	115.11	
10 Lt. = gut.			8.60	111.79	
" " = Top			7.78	112.61	

1-23-47 #740
7.0. W.O. 1084

120.39

1+58.81 = S.L. Fenelon		
℄	5.4	115.0
4' Rt. = Toe slope	5.1	115.3
10 " = Top "	2.6	117.8
20' Rt.	1.1	119.3
20' Lt.	6.7	113.7
1+70		
℄	4.7	115.7
3' Rt. = Toe	4.5	115.9
9 " = Top slope	0.5	119.9
20' Rt.	0.0	120.4
20' Lt.	5.7	114.7
2+00		
℄	4.7	115.7
3' Rt. = Toe	4.4	116.0
7' Rt. = Top	1.0	119.4
20 "	0.3	120.1
63' Rt. = Toe slope	+ 1.9	122.3
70' Rt. = Top	+ 5.4	125.8
20' Lt.	5.8	114.6
50' Lt. = Top slope	7.1	113.3
57' Lt. = Toe	10.8	109.6
2+50		
℄ = Toe	4.9	115.5
5' Rt. = Top	3.3	117.1

2+55 - Cont	120.39			
20' Rt.		2.1	118.3	
20' Lt.		6.5	113.9	
3+00				
℄		5.2	115.2	
20' Rt.		3.4	117.0	
50' Rt.		0.2	120.2	
20 Lt.		6.6	113.8	
50' Lt.		9.2	111.2	
3+40				
℄		4.7	115.7	
20 Rt.		3.1	117.3	
20 Lt.		6.2	114.2	
3+80				
℄		3.4	117.0	
20 Rt.		1.8	118.6	
20 Lt.		4.6	115.8	
3+94.39 = 3+87.74 - old Line				
℄ on Stub		1.43	118.96	
end.				
P. 27				
Check on Stub. 2+70.74		8.84	111.55	111.56 ✓

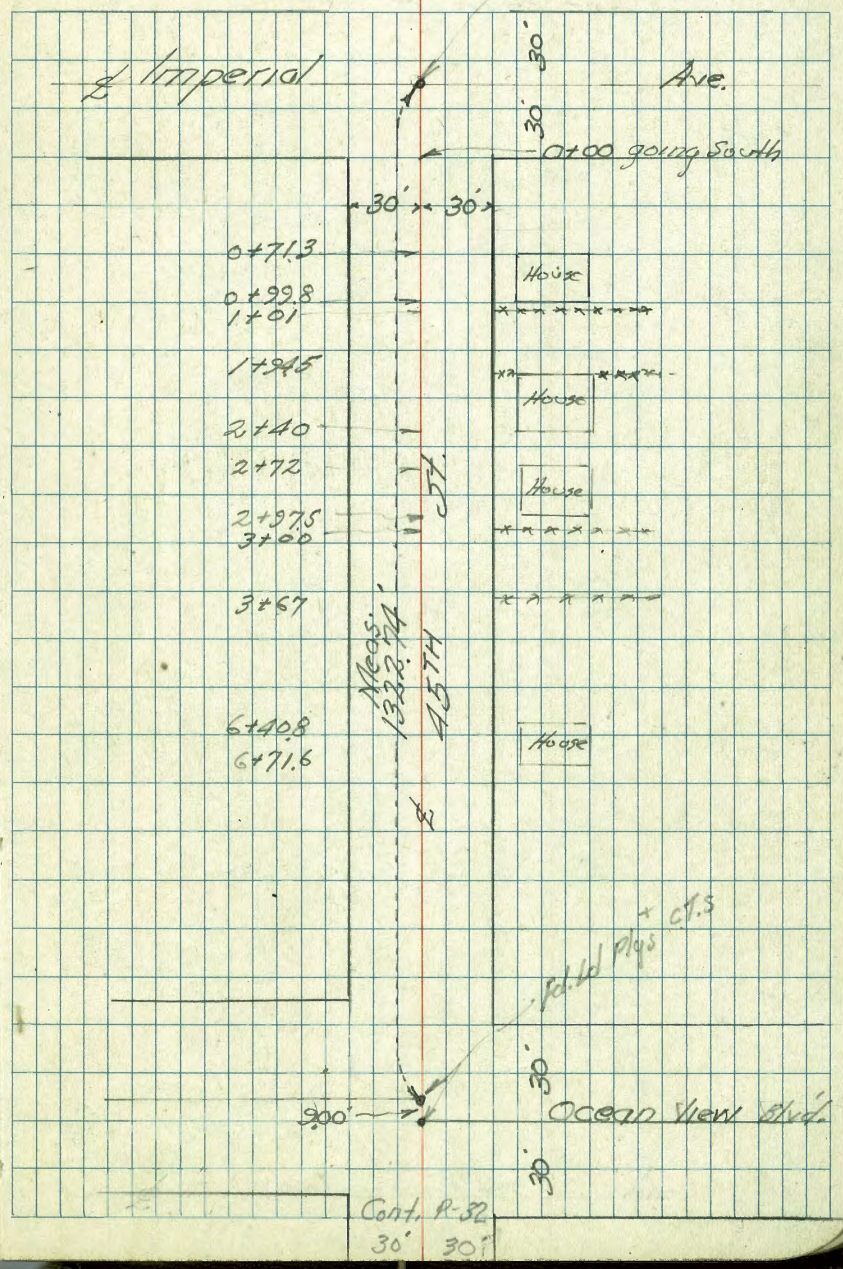
Levels on M.H. on ℄ Fenelon

68.27 E. of W.L ℄ Clove - 8" Line along ℄ Fenelon + 6" stubs - plugged along clove.

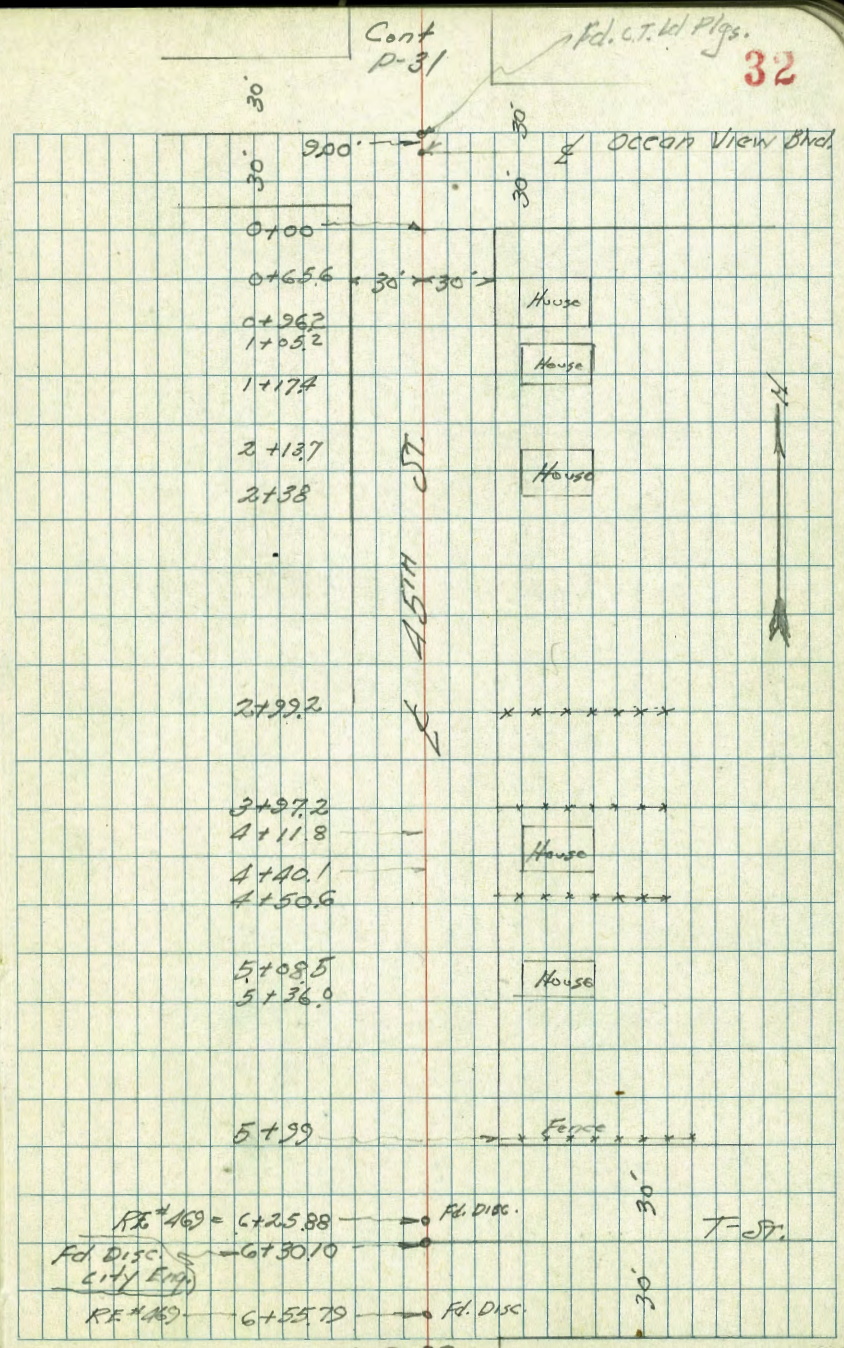
6+92.01 B.M. on Stub	1.02	147.27	146.25
On Rim of M.H.		11.19	136.08
Flow line - ℄ M.H		16.67	130.60

Walker
Hendricks
Becker
Johnson
4-9-47

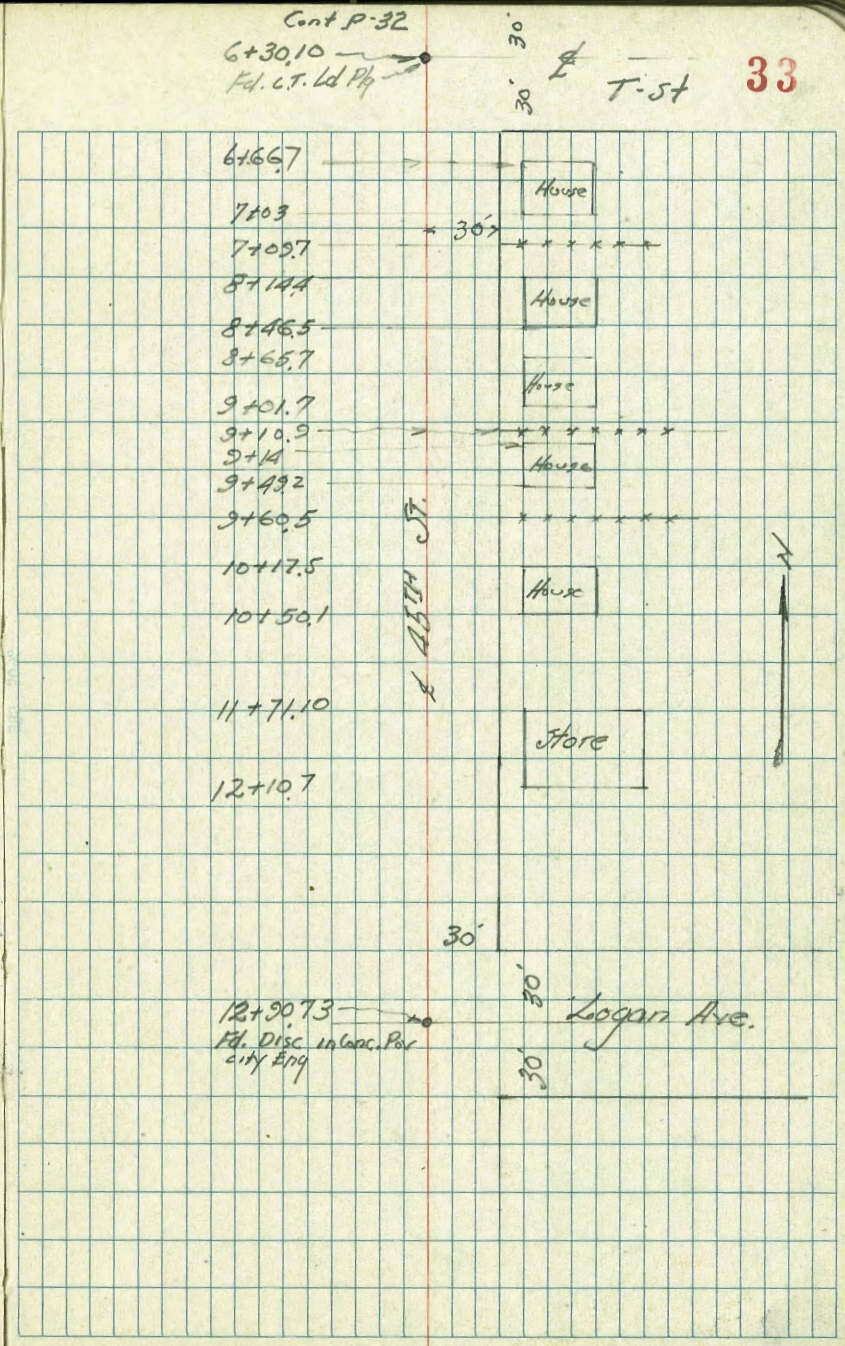
Check Location of Improvements on 45th from Imperial Ave to F St. to determine their relation to ℄ Ocean View Blvd from 47th to 45th as per Location in F.B. 1551-P.67 Grd. Book 130 P-57,58
" 1047-P.68,69 F.B. 1211-5,11,12,



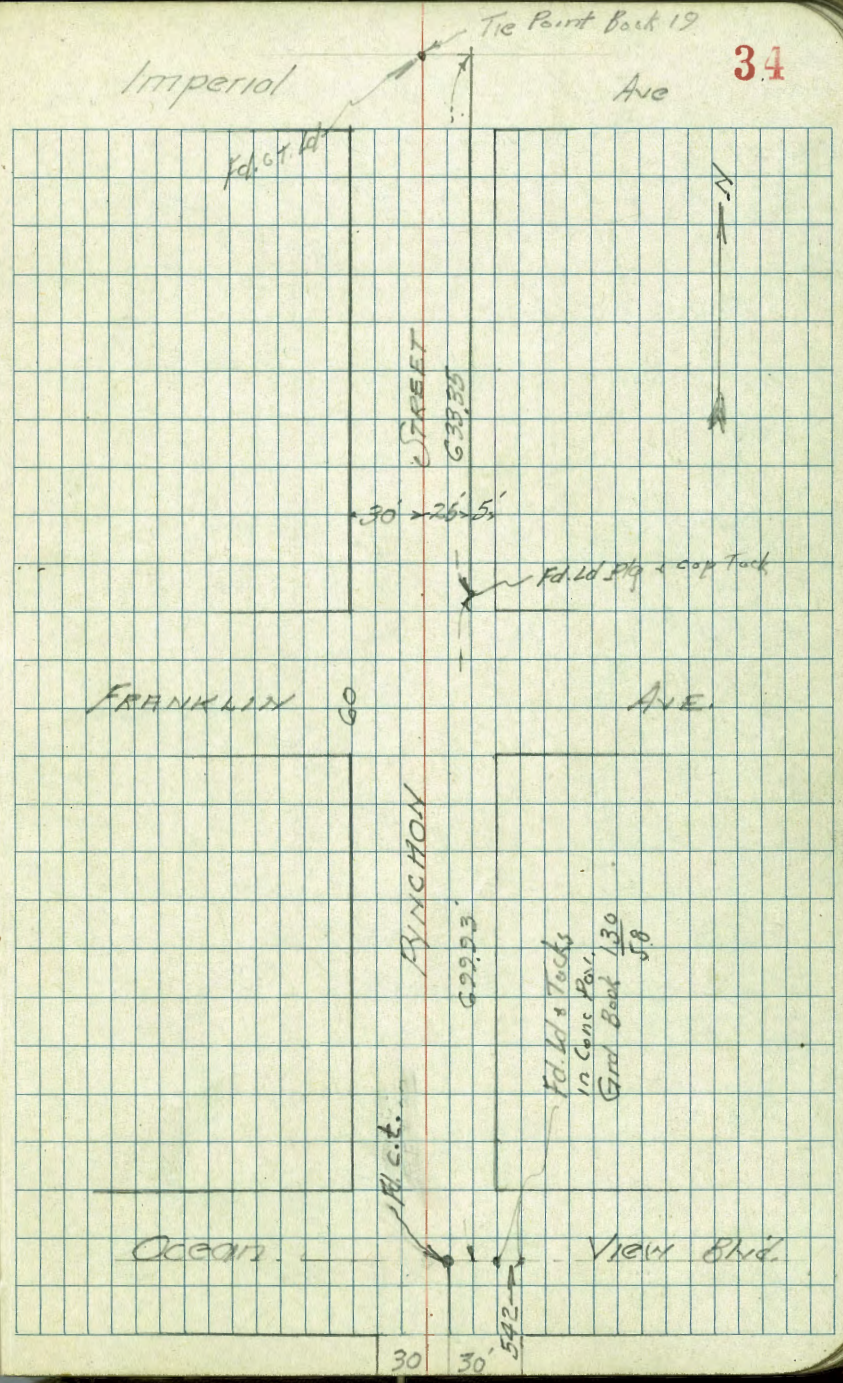
Cont. from P-31



Cont. P-33


Cont P-32
6+30.10
Fd. C.T. Ld Pkg
30'
30'
℄ T-St
6+66.7
7+03
7+09.7
8+14.4
8+46.5
8+65.7
9+01.7
9+10.9
9+14
9+49.2
9+60.5
10+17.5
10+50.1
11+71.10
12+10.7
30'
House
House
House
House
House
Store
℄ 26TH ST.
N
30'
12+90.73
Fd. Disc. in Conc. Por
city Eng
30'
30'
Logan Ave.

Cont. from P. 33



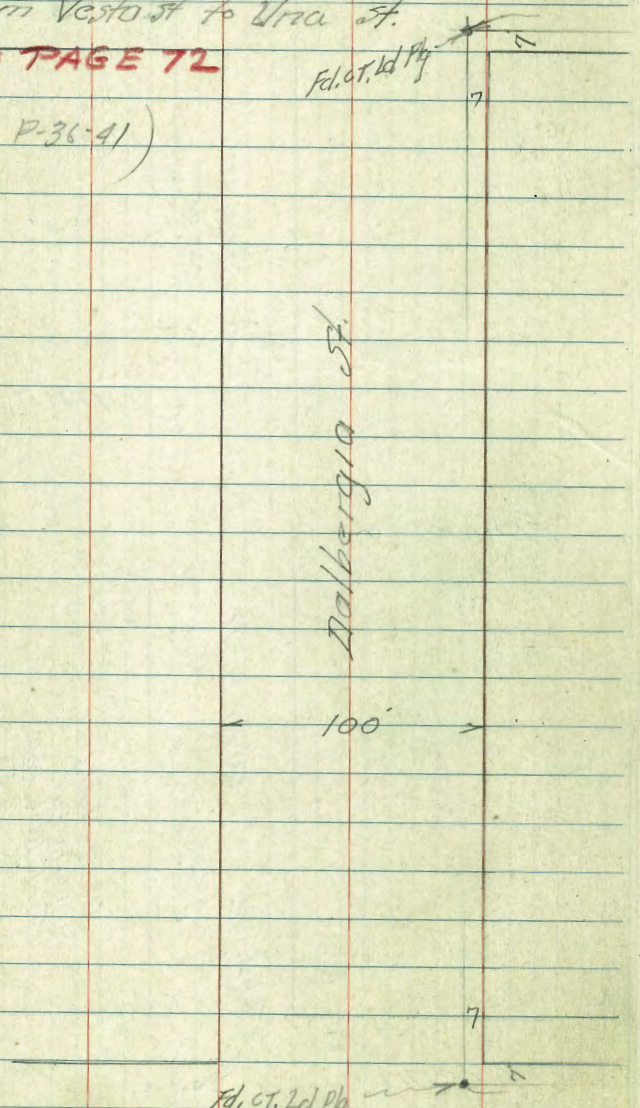
Walker
Hendricks
Becker
Johnson
5-29-47

CROSS SECTION 20' Alley
Block 262 - Arlington Map #1638
Between Cottonwood And Dalbergia Sts.
from Vesta St to Una St.

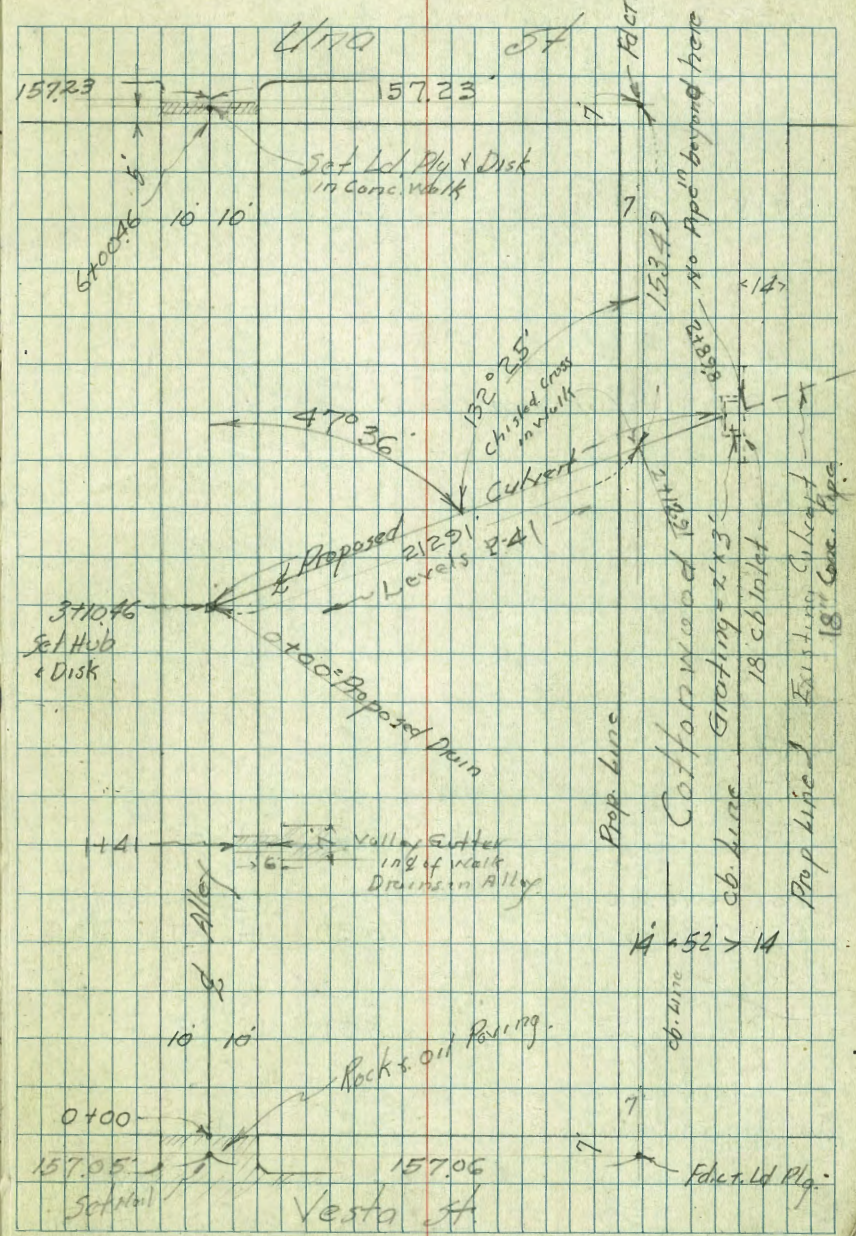
SEE ALSO PAGE 72

(Levels P-36-41)

Notes Reduced
6-2-47
O. Johnson



Indexed
C. S. K.



Alley Blk. 262 Cont. from P-35

0+33 = Beg. Asphalt Driveway on Rt.

0+15

0+00 = WLY Line Vesta

0-09

0-10

T.P.	4.42	22.04	2.64	17.62	
Main & Vesta				14.89	FB. 1564 26
SELY Brass Plug			5.39	14.87	
T.P.	3.93	20.26	5.91	16.33	
SW 7" tack & Ld Pkg. Dalbergia & Woden			9.12	13.12	
	1.59	22.24		20.65	B.M.B.P. WLY Cor. Cottonwood

Lt				℄		Rt	
17.0	16.6	16.5	16.4	16.82	17.29	17.32	
5.0	5.4	5.5	5.4	5.22	4.75	4.72	
20	15	10		10 on Pav	15 on Pav	25 on Pav	
17.0	17.2	16.8	16.7	16.8	17.1	17.8	
5.0	4.8	5.2	5.3	5.2	4.9	4.2	
20	15	10		7	10	14	
						Ot House on Ground	
17.4	17.62	17.24	17.21	17.34	17.44	17.7	
4.4	4.42	4.80	4.83	4.70	4.20	4.3	
15	10	10		10	10	15	
	Cb	Gut		Gut	Cb		
17.6	17.60	17.28	17.23	17.36	17.93	17.7	
4.4	4.44	4.76	4.81	4.68	4.21	4.3	
15	10	10		10	10	15	
	Cb	Gut.	Pav	Gut	Cb		
16.41	17.04	17.44	16.96	16.97	17.11	17.70	18.01	17.42
5.63	5.00	4.60	5.18	5.10	4.93	4.34	4.03	4.62
50	50	10	10	Pav	10	10	50	50
Gut	Cb	on Cb	Gut	22.04	Gut	Cb	Cb	Gut

& Woden

Alley Blk 262

1+70 X-Sections

1+41 = ℄ 4' Asphalt Walk = ℄ Valley Gut. Drains to Alley

T.P. 5.08 20.83 6.29 15.75

1+09 = End Asphalt Drive on Rt.

0+97 = Pole 104' Lt. Elec. # A3680

0+85 = Beg. Asphalt Drive on Rt.

0+58 = End Asphalt Drive on Rt.

0+55 9.4' Rt = Tel Pole # 89720-Lt

0+45

22.04

Lt ℄ Rt

			15.4	14.9	15.1	15.3	15.0		
			5.4	5.9	5.7	5.5	5.8		
			10	7		10	25		
15.0	14.8	15.8	15.6	15.1	15.5	15.42	15.50	15.54	15.60
5.8	6.0	5.0	5.2	5.7	5.3	5.41	5.33	5.29	5.23
100	33	20	10	8		6.7	10	15	35
						Pav.	Pav.	Pav.	Pav.

20.83

			15.7	15.9	16.0	16.0	15.98	16.09	16.26
			6.3	6.1	6.0	6.0	6.06	5.95	5.78
			20	10		10	12	15	25
							Pav.	Pav.	Pav.
			16.0	16.1	16.0	16.1	16.13	16.26	16.30
			6.0	5.9	6.0	5.9	5.91	5.79	5.74
			20	10		10	12.4	15	25
							Pav.	Pav.	Pav.
			16.4	16.4	15.9	16.1	16.22	16.46	
			5.6	5.6	6.1	5.9	5.82	5.58	
			20	10		10	12.1	15	
							on Pav.	Pav.	
		16.4	16.5	16.4	16.4	16.98	17.21	17.23	
		5.6	5.5	5.6	5.6	5.14	4.83	4.81	
		20	15	10		10	15	25	
						Pav.	Pav.	Pav.	
		16.7	16.6	16.4	16.6	16.71	16.98	17.20	
		5.3	5.4	5.6	5.4	5.33	5.06	4.84	
		20	15	10		9.2	14	25	
						on Pav.	on Pav.	Pav.	

22.04

Alley X Sections Balk 262
Cont. from P. 37

2+93 - End Garage on Rt

2+83.6 = Beg. Garage on Rt. Conc. Floor 1.15' in Alley

2+83.5 = End garage on Rt

2+72.5 = Beg. Garage on Rt Conc. Floor

2+56

2+00

1+97 27' Lt = Elec Pole # A 3664

1+79 8.9' Rt. = Tel Pole D-28353-T

2083

Lt ℄ Rt

38

14.23
6.6 0
8.8 5
on Garage Floor

14.15
6.6 8
8.8 5
Garage Floor

14.06
6.7 7
8.6
Toe Apron

14.20
6.6 3
10.4
Garage Floor

14.27
6.5 9
8.5
Toe Apron

14.34
6.4 9
10.4
Garage Floor

16.3
4.5
15

15.0
5.8
50

14.8
6.0
15

14.7
6.1
10

14.6
6.2

14.6
6.2
10

14.3
6.5
15

12.5
8.3
50

12.5
8.3
75

14.3
6.5
57

14.7
6.1
20

14.8
6.0
10

14.7
6.1

14.6
6.2
10

14.7
6.1
15

14.5
6.3
50

2083

4+05 - Beg. Dble Garage on Lt

4+05 10.5' Lt = Elec Pole A-3632

4+02 = Tel Pole Anchor 8.8' Rt

3+82

3+76

3+50

3+43

T.P. 8.86 23.20 6.49 14.34 on Hub ℄ 3+10.46

3+01 9' Rt. Tel Pole 89719-H

3+00 9.6' Lt = Elec. Pole A-3648

20.83

Lt. ℄ Rt.

18.19	17.7	17.2	16.8	16.9	16.9	16.3			
5.01	5.5	6.0	6.4	6.3	6.3	6.9			
12	12	10	8		10	20			
on Floor									
				15.0	15.0	16.4	16.5	14.6	
				7.2	7.2	6.8	6.7	8.6	
					7	10	33	40	
	16.9	16.8	16.3	15.8	15.8	15.1	14.6	12.6	11.7
	6.3	6.4	6.9	7.4	7.4	8.1	8.6	10.6	11.5
	20	10	7		10	20	38	50	72
16.1	16.0	15.3	15.0	14.8	13.7				
7.1	7.2	7.9	8.2	8.4	9.5				
20	10	7		10	20				
16.6	15.5	15.2	14.8	14.7	14.3	14.1	11.5	12.1	
6.6	7.7	8.0	8.4	8.5	8.9	9.1	11.7	11.1	
47	15	10		6	10	20	50	116	

23.20

16.0	15.1	14.8	14.3	13.7	12.5	11.3	12.4
4.8	5.7	6.0	6.5	7.1	8.3	9.5	8.4
50	20	10		10	50	91	116

20.83

Station	Note	Lt.				℄				Rt.
6+00.46				3.1 / 10 (20.09) cb = Ground	3.4 / 6 (19.8)	3.5 (19.7)	3.5 / 6 (19.7)	3.24 / 10 (19.96) cb = Ground		
5+80			2.2 / 20 (21.0)	2.5 / 10 (20.7)	3.0 / 10 (20.2)	3.1 (20.1)	3.1 / 7 (20.1)	2.5 / 10 (20.7)	2.4 / 14 (20.8) at House	
5+50				2.9 / 20 (20.3)	3.2 / 10 (20.0)	3.4 (19.8)	3.4 / 7 (19.8)	3.0 / 10 (20.2)	2.8 / 11 (20.4)	2.8 / 20 (20.4)
5+40	9.1' Rt Gas + Elec. # 309147-H									
5+07	10.5' Lt = Elec. Pole # A 3616									
5+00				3.8 / 20 (19.4)	4.0 / 10 (19.2)	4.2 (19.0)	4.0 / 10 (19.2)	3.9 / 20 (19.3)		
4+60				4.4 / 20 (18.8)	4.5 / 10 (18.7)	5.0 (18.2)	5.1 / 10 (18.1)	5.0 / 20 (18.2)		
4+23	= End dble Garage on Lt — Conc Floor	5.2 / 20 (18.0)	4.92 / 12 (18.28) on Floor	5.6 / 10 (17.6)	6.0 / 6 (17.2)	5.9 (17.3)	6.1 / 10 (17.1)	6.2 / 20 (17.0)		
4+21	9.2' = Tel Pole 309148-H									

23.20

23.20

	Lt.				℄			Rt.	
0+30				13.3 / 9.9 / 10	12.6 / 10.6	12.2 / 11.0 / 10	9x		
0+15			14.4 / 8.8 / 10	14.1 / 9.1 / 4	13.6 / 9.6	13.1 / 10.1 / 2	12.9 / 10.3 / 10		
0+00 = ℄ Alley 23.20					14.34 / 8.86 on Hub. / 23.20				
~ Levels Proposed Culvert ~									
6+10.4 = ELY cb Line Una St.	19.3 / 3.9 / 5.0 Gut Ground		19.80 / 3.40 / 10 on cb	19.4 / 3.8 / 10	19.4 / 3.8	19.3 / 3.9 / 10	19.79 / 3.41 / 10 on cb.	18.4 / 4.8 / 50	19.17 / 4.03 / 50 on cb
6+07 = WLY edge Conc. walk across Alley	19.96 / 3.24 / 11 on Walk	19.65 / 3.35 / 10 on cb		19.51 / 3.69 / 10 on Gut	19.50 / 3.70	19.45 / 3.75 / 10 Gut	19.85 / 3.35 / 10 on cb.	20.02 / 3.18 / 11 on walk	
6+04 = ELY Edge Conc. Walk across Alley 23.20	20.05 / 3.15 / 11 on walk	19.97 / 3.23 / 10 cb. Broken		19.67 / 3.53 / 10 Gut on walk	19.63 / 3.57 on Walk	19.52 / 3.68 / 10 Gut	19.92 / 3.28 / 10 on cb.	20.05 / 3.15 / 11 on walk	

2320

Levels - Proposed Drain
Alley Blk 262 - Arlington

1+62				
T.P.	4.59	15.67	12.12	11.08
1+38				
1+22				
1+10				
1+00				
0+85				
0+60				
		23.20		

Cont. from P- 41

	9.9	9.4	10.4	6.0
5.2 / 15	5.8 / 10	6.3	5.3 / 5	9.7 / 10
		15.67		
11.9	11.4	10.6	11.8	10.5
11.4 / 10	11.8 / 4	12.6	11.4 / 4	12.7 / 10
11.6	11.0	11.4	10.4	10.9
11.6 / 10	12.2 / 2	11.8	12.8 / 6	12.3 / 10
11.3	10.7	10.7	11.7	
11.9 / 10	12.5	12.5 / 10	11.5 / 15	
12.2	11.7	11.9		
11.0 / 10	11.5	11.3 / 10		
12.0	12.2	12.0		
11.2 / 10	11.0	11.2 / 10		
12.7	11.9	11.5		
10.5 / 10	11.3	11.7 / 10		

23.20

Alley Block 262 - Arlington

Levels Proposed Drain

	Lt	℄	Rt
2+55 diag Section ℄ Cottonwood	11.1 4.6 50	10.7 5.0	10.3 5.4 25
2+22 = Diag. Section on SLY cb Cottonwood	11.7 4.0 100 Cut	12.58 3.12 100 cb	10.5 5.2 50 Cut
	11.0 4.70 50 cb.	10.2 5.5 25 Cut	10.49 5.18 25 on cb
	10.31 5.36 on cb	10.73 4.94 25 on cb	10.3 5.4 25 Cut.
	11.15 4.52 50 cb	10.7 5.0 50 Cut	12.12 3.55 100 cb
	11.7 4.0 100 Cut		
2+16	10.32 5.35 on walk		
2+09.5 = Int. Sidewalk	10.41 5.26 on walk		
2+03	6.9 10	5.0 3	5.2
	10.47 5.20 6 on Edge Sidewalk	10.55 5.12 10	
1+90	8.8 6.9 10	9.4 7.3	8.6 7.1 2
	10.8 4.9 10		
	15.67		

15.67

Cont. from P-42

Alley Block 262 Arlington

Levels Proposed Drain

Completed 5-29-47

WLY Brass Plg.				0.02 Error 20.65 = Start	
~~T.P.~~ chk	Woden & Cottonwood		1.67	20.67	
T.P.	6.22	22.34	5.61	16.12	
T.P.	2.06	21.73	4.48	19.67	
~~T.P.~~			5.04	19.11	NE 7 Ung Dalbergia
T.P.	9.77	24.15	1.29	14.38	

2+92 = NLY cb Cottonwood Diag. Sec.

2+89.8

15.67

Lt ℄ Rt.

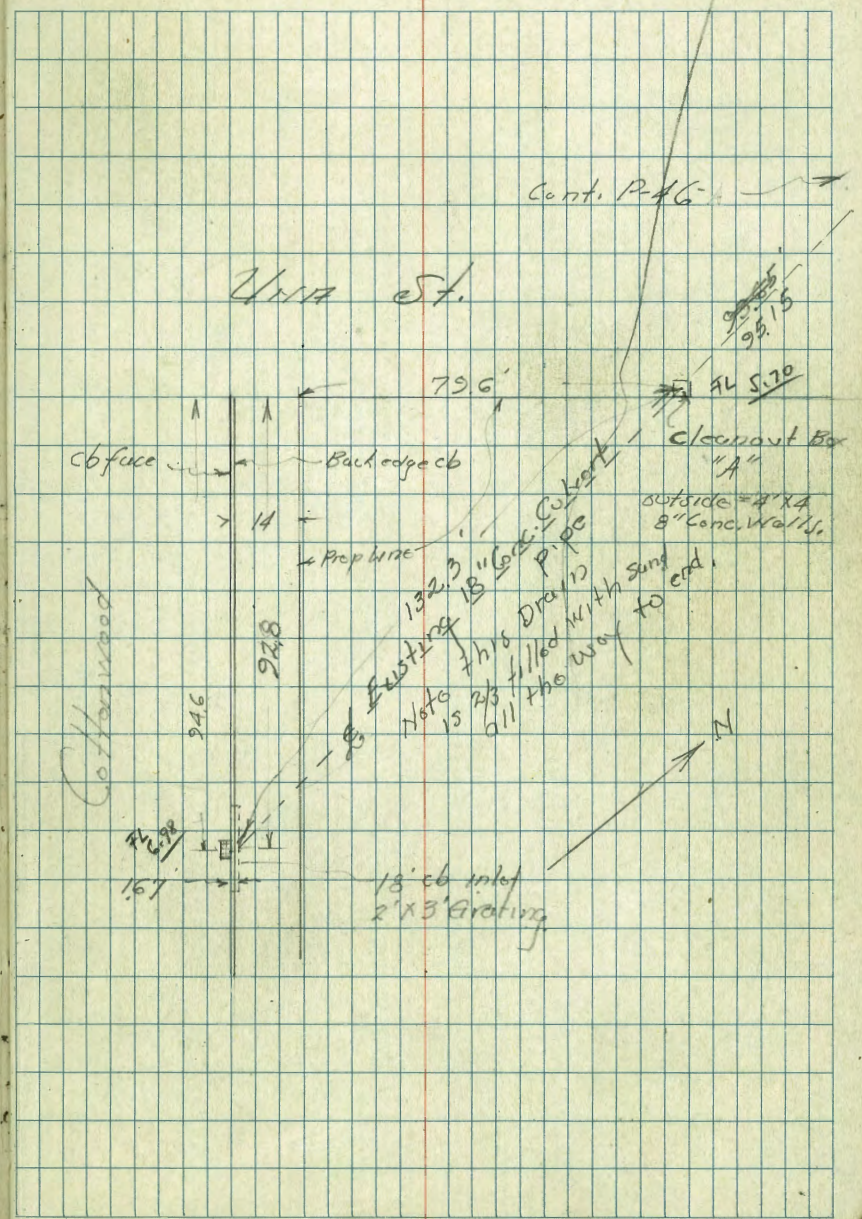
See P. 45 Additional Notes on Existing Culvert

10.5	11.40	10.0	10.85	10.47	10.17	10.42	9.7	10.49	9.9
5.2	4.27	5.7	4.82	5.20	5.50	5.25	6.0	5.18	5.8
50	50	25	25		0	25	25	50	50
Cut	cb	Cut	cb	cb	on grating	cb	Cut	cb	Cut

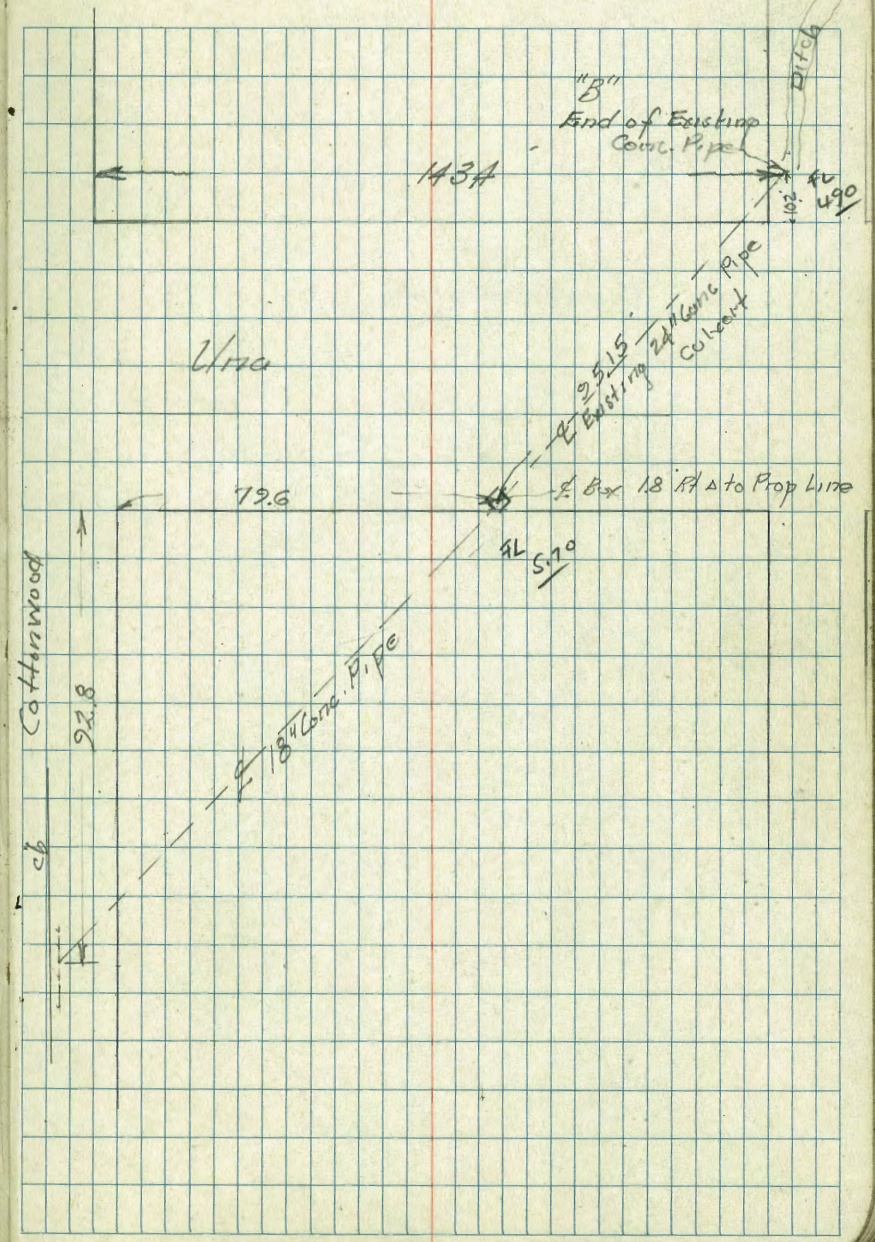
10.47	6.98	9.21	9.6	
5.20	8.69	6.46	6.1	
0	0	0	0	
on cb →	on Flow →	on grating	on ground	
catch Basin			15.67	

Alley Block 262 - Arlington

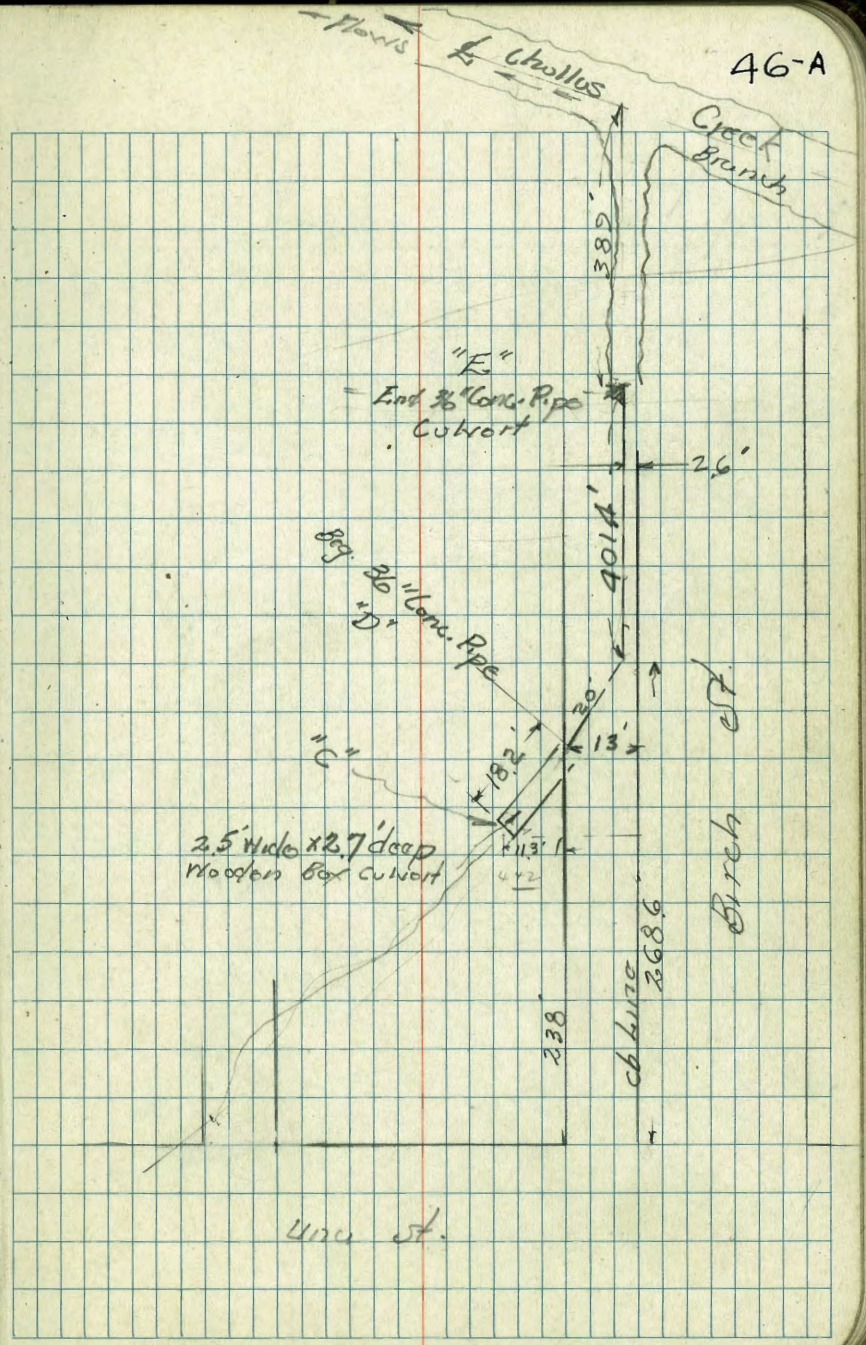
BM 2+89.8 on cb				
P-44	7.27	17.74		10.47
~~2+89.8 on Flow 18" Pipe~~			~~10.89~~	~~6.85~~
2+89.8 on Flow 18" Pipe			10.75	6.99
"A" Flow Cleanout Box			12.04	5.70
" Top " "			8.15	9.59
"B" Top 24" Conc. Pipe			10.44 ~~10.76~~	7.30 ~~7.09~~
" Flow " " "			12.84	4.90
" Ground in Ditch			11.0	6.74
60' West of "B" in Alley ℄ "			12.1	5.74
~ Additional Elev. on Pipes etc. Sketch P-46-A				
	6.36	15.95 ✓		9.59
Chk Flow at "B"			11.00	4.95 ✓
Pipe Top " "			8.66	7.28
Flow at "C" = Wooden Box P-46-A			11.53	4.42
			~~7.83~~	~~8.92~~
Flow 36" Conc. Pipe at "D"			12.58	3.37
			~~8.58~~	~~7.37~~
T.P.	4.39	12.31 ✓	8.03	7.92
Top of End 36" Conc. Pipe at "E"			7.26	5.05
Flow " " " "			10.52	1.79
("E") 100' Way in Ditch			9.5	2.8
" 200' " " "			9.6	2.7.
" 300' " " "			10.0	2.3
" 401.4 " " "			11.2	1.1
				℄ Cholla Creek Branch
	8.12	16.30 ✓	4.13	8.18 ✓
~~Chk starting BM~~ Top Pipe			~~9.21~~	~~7.09~~
Chk. Starting B.M.			6.71	9.59 ✓



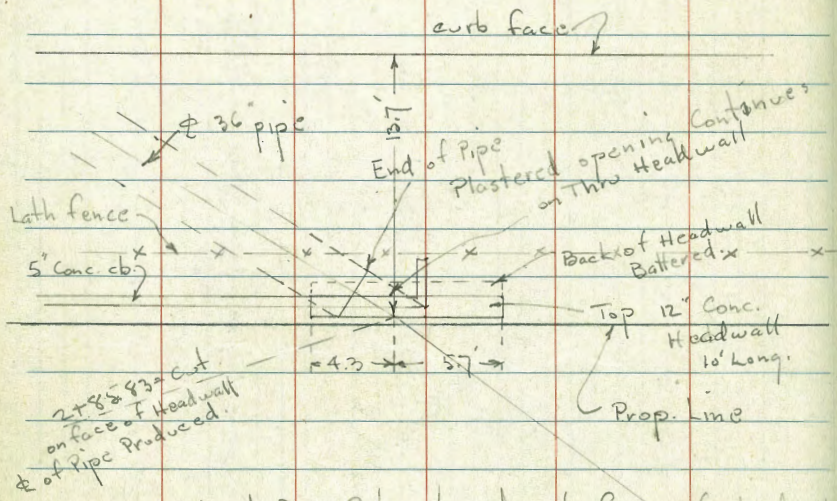
Alley Block 262 - Arlington



Data for Alley Drain
Blk 262 - Arlington



CONTINUED PAGE 72



Wood Box Culvert ends at face of Headwall

℄ Prop. Drain

Notes. P. 75

X Sec Alley Blk 57

26 June 47 W.O. 31369

Begg

Greer

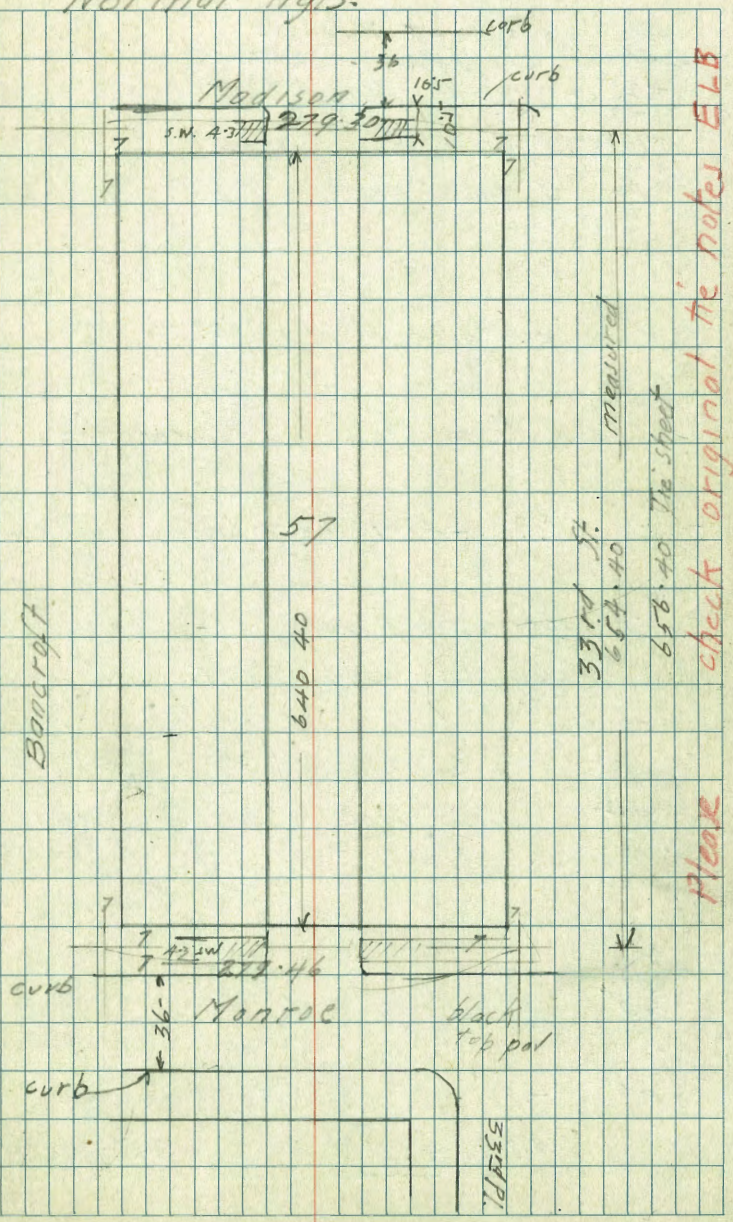
Roberts

Tie sheets appear to be in error.

/

indexed
O.S.K.

Normal Hgts.



Please check original tie notes ELB

X Sections Blk 57 Alley Normal Hgts

+	HI	−		

Add 2.0 ft to + Distances
~~Subtract 2.0 ft from − distances~~

+25 / +27 guy pole 407221 6.6 Lt

~~+135~~ +185 house SW cor 9.9 Rt

0 ~~+12~~ 14 3' conc walk 8.6 Rt

0 ~~+10~~ 12 end cypress hedge 8.1 Rt

+02 0+00 N Property Line Monroe

+1.0 −1.0 P.P. A4501 6.7 Left

+0.5 ~~−1.5~~ conc block wall 7.7 Lt

cypress hedge 8 Rt

−10 − ~~+12~~ curb line

PLOTTED 1-5-48 J. McFarlane

−28 ~~30~~ ~~25~~ ℄ Monroe

	+	HI	−	Elev	
TP	7.13	386.46	5.80	379.33	
	4.84	385.13		380.29	P.B SE 33 & Monroe

Monroe & Madison

W ℄ E

382.1 4.4 7.5 — 381.7 4.8 — 381.9 4.6 7.5 — 381.96 4.50 8.6

381.9 4.6 1.0 — 381.87 4.59 wall 7.7 — 380.4 6.1 7.5 — 380.1 6.4 — 380.5 6.0 7.5

379.87 6.59 cb — 379.61 6.85 6.8 pav. — 379.43 7.03 — 379.25 7.21 7.4 pav. — macb

378.86 7.60 50 9 — 379.69 6.77 9.0 cb — 379.06 7.40 9.0 9 — 379.14 7.32 — 379.16 7.30 9.5 9 — 379.78 6.68 cb — 379.40 7.06 50 9

379.60 6.86 50 — 379.79 6.67 — 380.12 6.34 50

386.46

Normal Hgts Blk 57 Alley

	+	HI	−		
	4.18	387.18			
TP			3.46	383.00	
1 + ~~00~~ 02	Picket Fence 6.2 Lt				
1 + ~~00~~ 02	bd Shed 6.5 Lt				
+ ~~90~~ 92	bd Shed 6.5 Lt				
+ ~~83~~ 85	single garage 12 ft wide				
+ ~~78~~ 80	end Picket fence 9.7 Rt.				
+ ~~74~~ 76	℄ single gar 13 Lt	conc apron 8.8 Lt	11 wide		
	bog Picket fence 9.5 Rt				
0 + ~~61.5~~ 63.5	Nw cor house 9.9 Rt				
+ ~~59~~ 61	4' conc wall 6.5 Lt				
+ ~~57~~ 59	end conc bl wall 7.8 Lt				
+ ~~50~~ 52					
		386.46			

Monroe to Madison

W ℄ E

383.1	383.1	383.3	383.2	383.01	383.06
3.4	3.4	3.2	3.3	3.45	3.40
13	7.5		7.5	8.6	10.7

383.32	382.96
3.14	3.51
13	8.8

382.87	
3.59	
6.5	

383.86	383.0	383.0	382.7	382.9
2.60	3.5	3.5	3.80	3.6
7.7	7.5		7.5	9.9
Top wall				

386.46

Normal Hgts Blk 57 Alley

2 + ~~40~~ 42	9.1 Rt. shed end beg picket 8.5 R
2 + ~~40~~ 42	end Picket 7.6 Lt
2 + ~~39~~ 41	6.2 Lt PP. PA 4539
2 + ~~32~~ 34	9 Rt. end of bd fence beg shed
2 + ~~00~~ 02	
1 + ~~91~~ 93	beg picket 7.6 Lt
1 + ~~87.5~~ 89.5	NE cor house 10.1 Lt
1 + ~~86~~ 88	9.3 Rt bd fence beg
1 + ~~68.5~~ 70.5	end Picket 10.4 Lt beg SW cor house 10.4 Lt
1 + ~~67~~ 69	3' SE conc 10½ Lt
1 + ~~51~~ 53	10.6 Lt Pick fence
1 + ~~50~~ 52	
1 + ~~45~~ 47	14.8 Lt Sing gar. confloor
1 + ~~40~~ 42	end of pick fence 6.4 Lt
1 + ~~33~~ 35	8.5 eucal 18"
1 + ~~17~~ 19	8.5 Lt eucal 12"
1 + ~~03~~ 05	6 Lt P.P. PA 4511
1 + ~~00~~ 02	

387.18

Monroe to Madison

W		℄		E	
383.2	382.8	382.8	382.9	382.81	382.76
7.8	4.4	4.4	4.3	4.37	4.42
15	7.5		7.5	12.4 con apron 10.5 wide	22
383.52					
3.66					
10.5					
383.5	383.2	383.0	383.0	382.6	
3.7	4.0	4.2	4.2	4.6	
15	7.5		7.5	30	
383.72					
3.46					
14.8					
382.2	382.6	383.00	383.1	383.0	
5.0	4.6	4.2	4.1	4.2	
7.5	6		7.5	20	

387.18

Blk 57

	+	HI	−	
	5.26	387.86 ✓		
T.P.			4.58	382.60
4 + ~~00~~ 02				
3 + ~~74~~ 76	end wire fence 10.5 Lt.			
3 + ~~50~~ 52				
3 + ~~43~~ 45 +	9.3 } jog in bd fence			
3 + ~~43~~ 45	8.3 }			
3 + ~~39~~ 41	7.0 Lt. P.A. 4549 P.P.			
3 + ~~38~~ 40	{ beg wire fence 10.5 Lt end fence lath 10.5 Lt			
3 + ~~00~~ 02				
3 + ~~99~~ 01	9.5 Rt	shed end	beg bd fence	
+ ~~91~~ 93	9.0 Lt	Lath fence beg		
2 + ~~90~~ 92	9.2 Rt	end Picket beg shed	9.6 Rt	
2 + ~~50~~ 52				
		387.18 ✓		

Alley Monroe to Madison

382.4	382.7	382.5	382.5	382.5
4.8	4.5	4.7	4.7	4.7
15	7.5		7.5	15
382.4	382.4	382.1	382.3	382.3
4.8	4.8	5.1	4.9	4.9
15	7.5		7.5	15
382.9	382.9	382.3	382.5	382.7
4.3	4.3	4.9	4.7	4.5
15	7.5		7.5	15
382.9	382.6	382.5	382.6	382.5
4.3	4.6	4.7	4.6	4.7
15	7.5		7.5	15

387.18 ✓

5+ 52 ~~50~~

44 ~~42~~ 7.8 beg of Picket on cone base
44 ~~42~~ 8.2 end of Picket
43 ~~41~~ 7.0 Lt P.P. P# 4585
42 ~~40~~ 7.4 Lt beg lath fence
5+ 42 ~~40~~ 8.5 Lt end wire

5+ 02 ~~00~~
+ 94 ~~92~~ beg wire fence 8.4 Lt.
+ 94 ~~92~~ jog end wire 7.3 Lt
+ 94 ~~92~~ beg Picket 9.0 Rt
+ 94 ~~92~~ end Lath fence 9.4 Rt
4+ 52 ~~50~~
+ 45 ~~43~~ 9.0 Rt. Lath fence beg
+ 43 ~~41~~ 6.9 Lt P.P. P# 4569
+ 42 ~~40~~ 7.6 Lt wire fence beg
4+ 38 ~~36~~ 17.7 Rt single gar conc floor
+ 24 ~~22~~ 17.4 Rt end of bd fence
+ 17 ~~15~~ 15.3 Lt d dbl garage dirt floor
4+ 15 ~~13~~ 9.1 Rt. angle in bd fence

387.86

384.2	384.1	384.2	383.9	
3.7	3.8	3.7	4.0	
7.5		7.5	15	
383.2	383.3	383.1	383.1	
4.7	4.6	4.8	4.8	4.8
15	7.5		7.5	15
383.1	382.8	382.9	382.7	382.5
4.8	5.1	5.0	5.2	5.4
15	7.5		7.5	15
382.8			382.89	
5.1			4.97	
15.3			17.7	

387.86

Blk 57

	+	HI	–	
6 + 37 ~~35~~				
6 + 27 ~~25~~				
+ 05 ~~03~~	9.7R	end Lattice fence		
~~+04~~	7.4 Lt	beg 1.2' side walk // to ℄ Alley		
6 + 02 ~~00~~				
	2.36	386.56 ✓	–	
T.P.			3.66	384.20
+ 98 ~~96~~	9.6 Lt	single garage	8.2 apron 9 wide	
+ 94 ~~92~~	9.9 Rt	beg eugenia hedge & Lattice fence		
+ 94 ~~92~~	8.6 Rt	end Picket fence		
+ 85 ~~87~~	4.1 Lt	11' wide apron ℄ single garage	12.6 conc floor	
5 + 79 ~~77~~	7.5 Lt	end lath fence		
		387.86		

Alley Monroe & Madison

54

W	℄	E
383.06	382.8	383.1
3.50	3.8	3.5
7.5 conc		7.5
383.1		
3.5		
7.5		
383.57	383.6	383.9
2.99	3.0	2.7
conc walk		7.5
383.5		
3.1		
7.5		
384.14		
2.42		
7.4		
384.1	384.2	384.2
2.5	2.4	2.4
7.5		7.5
384.3	384.10	
3.60	3.96	
12.6	4.1	
	386.56 ✓	
	387.86	

	+	HI	−		
		Blk 57			
					33± Monroe
	3.91	384.97	4.72	380.25	380.29
	4.22	386.01	4.95	381.06	.04
			4.77	381.79	
6+12±	℄ Madison				
6+54±	curb line Madison				
6+42⁴⁰	South Line of Madison				
6+43⁴⁰	8.5 Rt	end of eugenia hedge			
	7.44	end of conc walk			
		386.56			

Alley Monroe to Madison

381.57 / 4.99 / 50

381.80 / 4.76

382.06 / 4.50 / 50

381.27 / 5.20 / cb

380.93 / 5.63 / 50 / g

381.67 / 4.89 / 10 / cb

381.14 / 5.42 / 10 / g

381.18 / 5.38

381.27 / 5.29 / 10 / g

381.80 / 4.76 / 10 / cb

381.37 / 5.19 / 50 / g

381.80 / 4.76 / cb

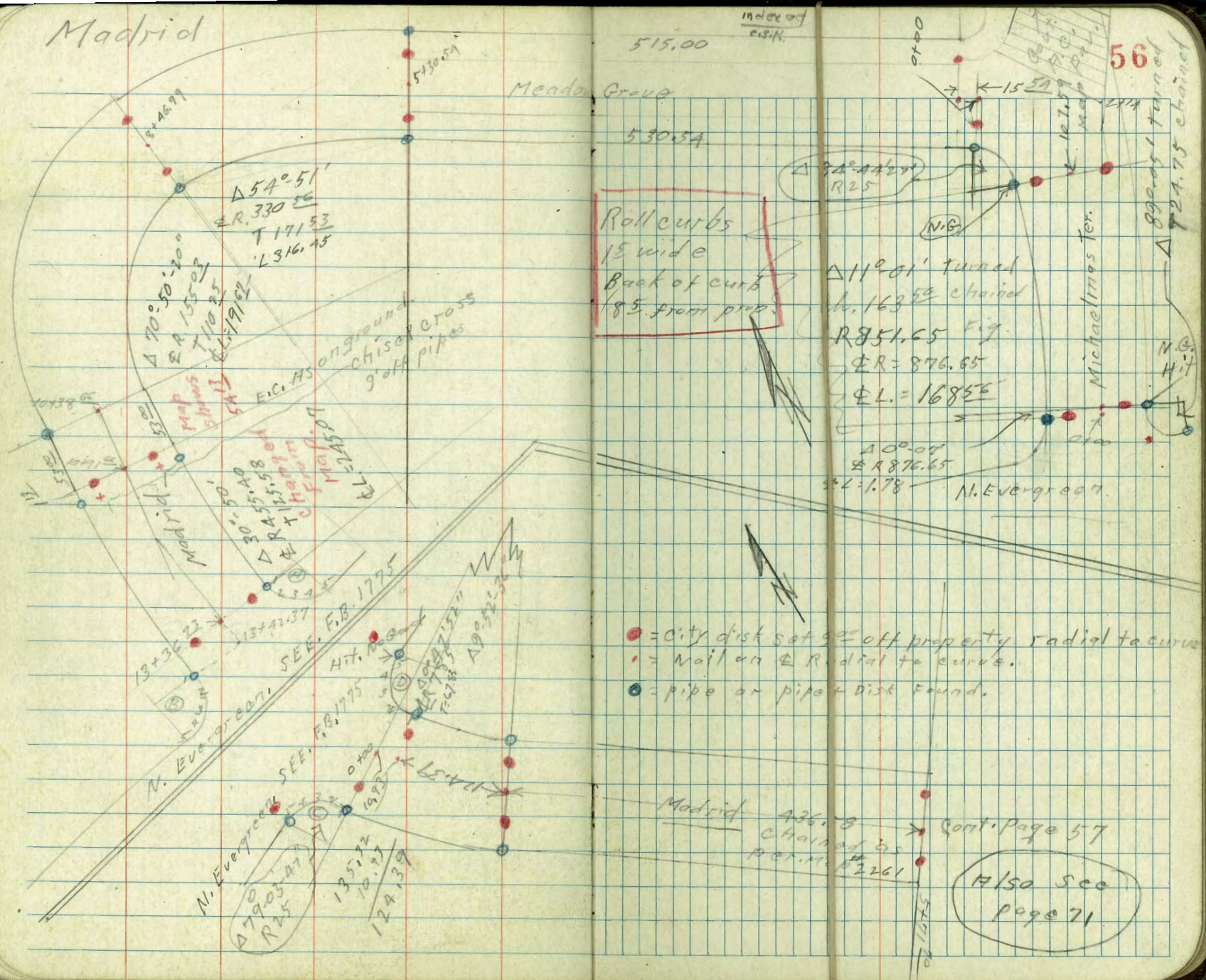
382.25 / 4.31 / 7.07 / conc wak

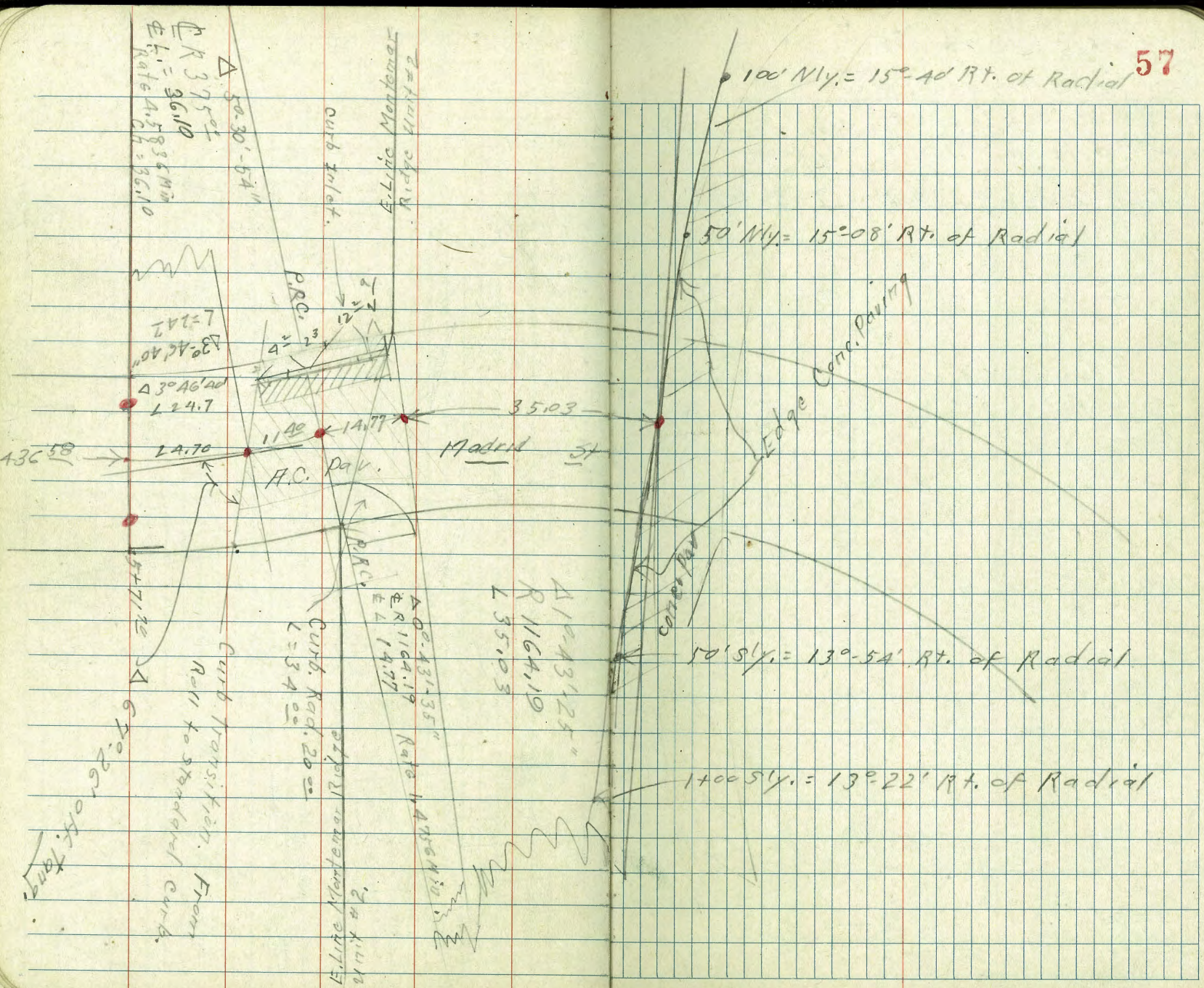
381.91 / 4.65 / 7.03 / pav

381.75 / 4.81 / pav

381.67 / 4.89 / 7.51 / pav

386.56


Madrid
Meadow Grove
515.00
530.54
Roll curbs
15 wide
Back of curb
8.5 from prop.
Δ 54°-51'
℄ R. 330.56
T 171.53
L 316.45
Δ 70°-50'-20"
℄ R. 155.03
T 110.25
℄ L. 191.62
E.C. As on ground
chisel cross
9' off pipes
Map shows 54.13
Δ 30°-50'
℄ R 455.40
T 125.58
Changed from map
℄ L. 245.07
Madrid
N. Evergreen
SEE. F.B. 1775
Hit. No Good
SEE. F.B. 1775
N. Evergreen
Δ 79°-03'-47"
R 25
135.32
10.93
124.39
Δ 34°-44'-29"
R 25
N.G.
Δ 11°-01' turned
ch. 163.50 chained
R 851.65 Fig.
℄ R = 876.65
℄ L. = 168.56
Δ 0°-07'
℄ R 876.65
℄ L = 1.78
N. Evergreen
Michaelmas Ter.
N.G. Hit
Δ 89°-09' turned
T 24.75 chained
= City disk set 9.00 off property radial to curve
= Nail on ℄ Radial to curve.
= pipe or pipe + Disk Found.
Madrid
436.58
Chained as per map #2261
Cont. Page 57
Also See Page 71


100' Nly. = 15°-40' Rt. of Radial
50' Nly. = 15°-08' Rt. of Radial
Edge Conc. Paving
Conc. Pav.
50' Sly. = 13°-54' Rt. of Radial
1+00 Sly. = 13°-22' Rt. of Radial
35.03
Madrid St
A.C. Pav.
P.R.C.
Curb Inlet.
E. Line Montemar Ridge Unit #2
Curb Rad. 20.00
Curb Transition. From Roll to Standard Curb.
Δ 3°46'40"
L 24.7
436.58
24.70
11.40
14.77
Δ 1°-43'-25"
R 1164.19
L 35.03
Δ 0°-43'-35"
℄ R 1164.19
℄ L 14.77
Rate 1.4756 Min.
Δ 67°-26' Off. Tang.
5+71.70
Δ 50°-30'-54"
℄ R 375.00
℄ L = 36.10
Rate 4.5836 Min
Ch = 36.10
Δ 3°-46'40"
L = 24.7

Cross Section

Michaelmas Terrace - This page

(pg. 61) Meadow Grove

(pg. 64) Madrid

Sommermeyer
W Moore
Sherman

Work Order #25001 9-8-47

15 Lt = Gutter
16.5 Lt. = Top Roll curb ℄

15 Rt Gutter
16.5 Rt = top Roll Curb

58

indexed
c.s.k.

1+50	5.46 / 7.87 / 16.5	5.43 / 8.10 / 15	5.3 / 8.0 / 7.5	5.3 / 8.0	5.3 / 8.0 / 7.5	5.10 / 8.23 / 15	5.41 / 7.92 / 16.5
1+00	6.39 / 6.94 / 16.5	6.09 / 7.24 / 15	6.3 / 7.0 / 7.5	6.3 / 7.0	6.3 / 7.0 / 7.5	5.99 / 7.34 / 15	6.28 / 7.05 / 16.5
0+50	8.07 / 5.26 / 16.5	7.75 / 5.58 / 15	7.7 / 5.6 / 7.5	7.7 / 5.6	7.7 / 5.6 / 7.5	7.66 / 5.67 / 15	7.96 / 5.37 / 16.5
0+01 8 E.C. N.E. Prop.					9.0 / 4.3 / 14.9	8.90 / 4.43 / 15	9.23 / 4.10 / 16.5
5 0+00 = E.C. N.W. Prop. Evergreen	9.97 / 3.41 / 16.5	9.66 / 3.67 / 15	9.3 / 4.0 / 7.5	9.3 / 4.0	9.1 / 4.2 / 7.5	9.1 / 4.2 / 14.9	8.97 / 4.41 / 15.5	9.25 / 4.08 / 16.5

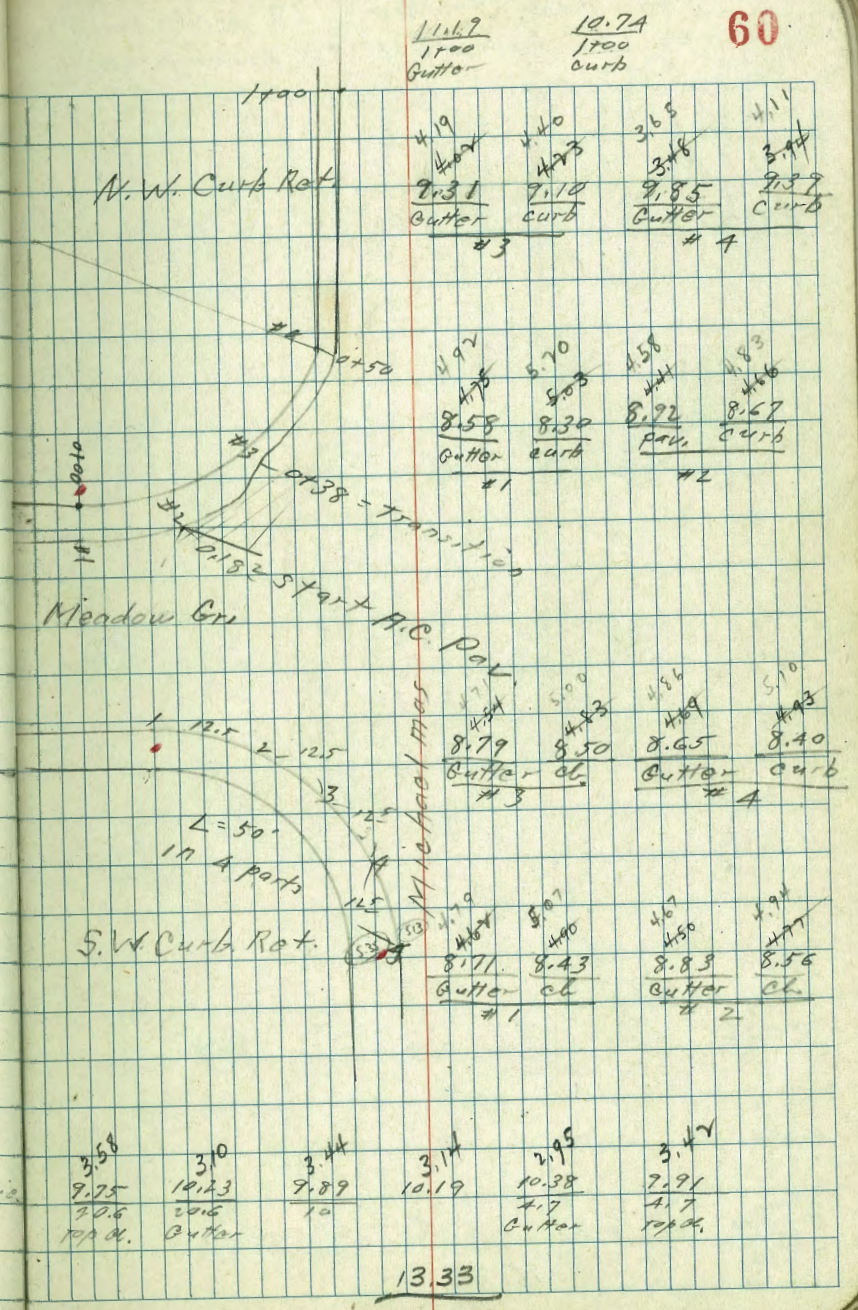
B.M. N.E. Pipe Michaelmas + Evergreen FB 1775 — C.A. 13.33 — 6.92

13.33

		Lt.		℄		Rt.	
	(Broken back - not Tang. to curve)						
2+64[6]	19[2] Lt. End curb Ret. start straight curb.	3.94 / 9.39 / 19.2 / top cl.	3.49 / 9.84 / 19.2 / Gutter	3.72 / 9.61 / 10 / pav	3.53 / 9.80	3.33 / 10.00 / 6 / Gutter	3.78 / 9.55 / 6 / top cb.
2+22[3]	Intersect A.C. Pav.	4.8 / 8.5 / 25	4.6 / 8.7 / 10	4.48 / 8.85		4.05 / 9.28 / 12 / Gutter	4.49 / 8.84 / 12 / top cb.
2+14	= start A.C. Pav. on curb line					4.12 / 9.21 / 13.5 / Gutter	4.59 / 8.74 / 13.5 / top cb.
	gutter + straight curb. 15' Rt.						
2+07	Break in curve + start of 1' wide					4.44 / 8.89 / 14.9 / Gutter	4.80 / 8.53 / 15 / curb
	Also break in curve						
	6" wide curb.						
2+01	16 Rt. = Transition Roll curb to					4.56 / 8.77 / 15 / Gutter	4.83 / 8.50 / 16 / top curb
1+68.56		5.35 / 5.18 / 8.15 / 16.5	5.13 / 4.86 / 8.37 / 15	4.9 / 8.4 / 7.5	4.9 / 8.4	5.0 / 8.3 / 7.5	4.88 / 8.45 / 15 / 5.16 / 8.17 / 16.5
	13.33				13.33		

T. P. 11.37 16.36 8.34 4.99
13.33

This curb and paving warps around into street in housing project.



2+76.15 = E.C. Prop. N.W. Michaelmas + Meadow Grove

13.33

Meadow Grove 18" wide roll
Curbs. Back of curb 8.5 from prop.

	Lt.			℄			Rt.
2+50	12.56 / 3.80 / 16.5	12.32 / 4.04 / 15	12.4 / 4.0 / 7.5	12.5 / 3.9	12.7 / 3.7 / 7.5	12.82 / 3.54 / 15	13.07 / 3.29 / 16.5
2+00	10.48 / 5.88 / 16.5	10.21 / 6.15 / 15	10.4 / 6.0 / 7.5	10.5 / 5.9	10.6 / 5.8 / 7.5	10.66 / 5.70 / 15	10.94 / 5.42 / 16.5
1+50	8.69 / 7.67 / 16.5	8.41 / 7.95 / 15	8.7 / 7.7 / 7.5	8.8 / 7.6	8.8 / 7.6 / 7.5	8.69 / 7.67 / 15	8.98 / 7.38 / 16.5
1+00	7.21 / 9.15 / 16.5	6.94 / 9.42 / 15	7.1 / 9.3 / 7.5	7.2 / 9.2	7.2 / 9.1 / 7.5	7.15 / 9.21 / 15	7.42 / 8.94 / 16.5
0+50	6.00 / 10.36 / 16.5	5.74 / 10.62 / 15	5.8 / 10.6 / 7.5	5.7 / 10.7	5.8 / 10.6 / 7.5	5.72 / 10.64 / 15	6.00 / 10.36 / 16.5
0+00 = 90° to E.C. on Left. (Page 56)	5.09 / 4.92 / 11.44 / 16.5	4.82 / 4.65 / 11.71 / 15	4.9 / 11.5 / 7.5	5.0 / 11.4	4.8 / 11.6 / 7.5	4.50 / 11.86 / 18 Gutter	4.73 / 11.63 / 20 top of

16.36

- 16.36

Meadow Grove

T.P.	10.50	38.07	0.48	27.57
5+30 Sq	B.C. left.			
5+00				
4+50				
4+00				
3+50				
T.P.	12.10	28.05	0.41	15.95
3+00				
		16.36		

Lt.		℄		Rt		
25.81 / 2.24 / 16.5	25.54 / 1.51 / 15	25.8 / 2.2 / 7.5	26.0 / 2.0	26.0 / 2.0 / 7.5	26.06 / 1.99 / 15	26.38 / 1.67 / 16.5
24.32 / 3.73 / 16.5	24.03 / 4.02 / 15	24.3 / 3.7 / 7.5	24.5 / 3.5	24.5 / 3.5 / 7.5	24.60 / 3.45 / 15	24.91 / 3.14 / 16.5
21.96 / 6.09 / 16.5	Covered with 15 Cold Pay	21.8 / 6.2 / 7.5	21.9 / 6.1	21.9 / 6.1 / 7.5	22.23 / 5.82 / 15.	22.52 / 5.53 / 16.5
19.63 / 8.42 / 16.5	19.32 / 8.73 / 15	19.4 / 8.6 / 7.5	19.5 / 8.5	19.6 / 8.4 / 7.5	19.84 / 8.21 / 15	20.14 / 7.91 / 16.5
17.23 / 10.82 / 16.5	16.91 / 11.14 / 15	17.1 / 10.9 / 7.5	17.2 / 10.8 / 28.05	17.3 / 10.7 / 7.5	17.49 / 10.56 / 15	17.77 / 10.28 / 16.5
14.90 / 1.46 / 16.5	14.60 / 1.76 / 15	14.8 / 1.6 / 7.5	14.9 / 1.5	15.0 / 1.4 / 7.5	15.08 / 1.28 / 15	15.35 / 1.01 / 16.5

16.36

Meadow Grove

8+00	~~11.58~~		~~0.23~~	~~37.84~~
8+00				
T.P.	11.58	49.42	0.23	37.84
7+50				
7+00				
6+50				
6+00				
5+50				
		38.07		

Lt.		℄		Rt.		
38.72 / 10.70 / 16.5	38.47 / 11.00 / 15	38.5 / 10.9 / 7.5	38.8 / 10.6	38.9 / 10.5 / 7.5	38.96 / 10.46 / 15	39.23 / 10.19 / 16.5
			49.42			
36.71 / 1.86 / 16.5	35.96 / 2.11 / 15	36.2 / 1.9 / 7.5	36.4 / 1.7	36.5 / 1.6 / 7.5	36.54 / 1.53 / 15	36.85 / 1.22 / 16.5
33.95 / 4.12 / 16.5	33.67 / 4.40 / 15	33.9 / 4.2 / 7.5	34.1 / 4.0	34.2 / 3.9 / 7.5	34.14 / 3.93 / 15	34.39 / 3.68 / 16.5
31.49 / 6.58 / 16.5	31.20 / 6.87 / 15	31.5 / 6.6 / 7.5	31.7 / 6.4	31.8 / 6.3 / 7.5	31.78 / 6.29 / 15	32.03 / 6.04 / 16.5
29.19 / 8.88 / 16.5	28.88 / 9.19 / 15	29.1 / 8.9 / 7.5	29.3 / 8.8	29.5 / 8.6 / 7.5	29.39 / 8.68 / 15	29.69 / 8.38 / 16.5
26.76 / 11.31 / 16.5	26.45 / 11.62 / 15	26.8 / 11.3 / 7.5	27.0 / 11.1	28.1 / 11.0 / 7.5	27.04 / 11.03 / 15	28.29 / 10.78 / 16.5

38.07

Madrid

10+91.66 = B.C. Lt.

T.P.	4.74	52.80	1.36	48.06

10+38.66 = E.C

10+00

9+50

Start Madrid

9+00

8+46.92 = P.C.C.

49.42

47.84

4.96 / 16.5	5.28 / 15	5.2 / 7.5	5.1	4.9 / 7.5	4.78 / 15	4.50 / 16.5
			52.80			
2.12 / 16.5	2.42 / 15	2.4 / 7.5	2.3	2.1 / 7.5	2.05 / 15	1.76 / 16.5
2.86 / 16.5	3.12 / 15	3.2 / 7.5	3.0	2.8 / 7.5	2.75 / 15	2.50 / 16.5
45.22	41.93	44.8	45.1	45.3	45.37	45.64
4.20 / 16.5	4.49 / 15	4.6 / 7.5	4.3	4.1 / 7.5	4.05 / 15	3.78 / 16.5
43.34	43.04	43.0	43.2	43.5	43.57	43.86
6.08 / 16.5	6.38 / 15	6.4 / 7.5	6.2	5.9 / 7.5	5.85 / 15	5.56 / 16.5
40.84	40.58	40.7	40.9	41.1	41.22	41.49
8.58 / 16.5	8.84 / 15	8.7 / 7.5	8.5	8.3 / 7.5	8.20 / 15	7.93 / 16.5

49.42

Madrid

		Lt.		℄		Rt.	
13+36.73	Prop. B.C Lt.	6.47 / 16.5	6.25 / 15	6.5 / 7.5	6.2	6.0 / 7.5	5.86 / 15	5.57 / 16.5
13+00		5.98 / 16.5	6.26 / 15	6.2 / 7.5	5.9	5.7 / 7.5	5.56 / 15	5.26 / 16.5
12+50		5.38 / 16.5	5.64 / 15	5.6 / 7.5	5.4	5.3 / 7.5	5.12 / 15	4.85 / 16.5
12+00		4.96 / 16.5	5.21 / 15	5.1 / 7.5	4.9	4.8 / 7.5	4.62 / 15	4.37 / 16.5
11+50		4.77 / 16.5	5.07 / 15	4.9 / 7.5	4.8	4.7 / 7.5	4.58 / 15	4.32 / 16.5
11+00		4.88 / 16.5	5.21 / 15	5.2 / 7.5	5.0	4.9 / 7.5	4.74 / 15	4.43 / 16.5

52.80

52.80

Madrid

0+00	Cont. (Reg. section)			7.2 / 15		6.8 / 7.5	6.6 / ℄		6.6 / 7.5	6.44 / 15	6.16 / 16.5
	Number - (Page 56) 60' Arc.										
0+00	15' Rt. = B.C. Ret. # Ⓒ 4 parts by S.W. Ret.	6.16 Cb.	6.44 Gutt 1	6.09 Cb.	6.40 Gutt 2	6.07 Cb.	6.34 Gutt 3	6.03 Cb.	6.31 Gutt 4	5.99 Cb.	6.26 Gutt 5
℄ Evergreen				7.5 / 25		6.6		6.1 / 25			
	Numbers - See Page 56 Evergreen + Madrid. shown by										
13+42.37	15' Rt. = Curb B.C. Return Ⓑ - N.W.	5.55 Cb.	5.86 Gutt 1	5.58 Cb.	5.89 Gutt 2	5.56 Cb.	5.83 Gutt 3	5.57 Cb.	5.76 Gutt 4	5.42 Cb.	5.66 Gutt 5
	number (See Page 56) 60' Arc. 4 parts										
13+36.73	Cont. N.E. Return "Ⓐ" shown by	6.47 Cb.	6.75 Gutt 1	6.81 Cb.	7.06 Gutter 2	7.05 Cb.	7.41 Gutt 3	7.52 Cb.	7.78 Gutt 4	8.01 Cb.	8.30 Gutter 5

52.80

Madrid

1+50

1+35.32 = E.C.

1+00

0+50

T.P. top Hydt S.E Evergreen & Madrid	0.39	48.74	4.45	48.35

Taken by number See Page 56.

0+10.93 Return # (D) = S.E Rot. 60' Arc.

52.80

5.08/16.5	5.41/15	5.2/7.5	5.2	5.0/7.5	4.83/15	4.59/16.5
4.16 / 4.58/16.5	4.88/15	4.7/7.5	4.7 ~~4.7~~	4.5/7.5	4.39/15	4.13/16.5 / 4.61
3.64/16.5	3.74/15	3.7/7.5	3.8	3.6/7.5	3.42/15	3.13/16.5
2.84/16.5	3.13/15	3.1/7.5	3.0	2.7/7.5	2.65/15	2.39/16.5

48.74

5.6 / 6.84	7.08	6.93	7.24	7.24	7.49	7.77	8.03	8.38	8.65
Ch. Cutt 1		Ch. Cutt 2		Ch. Cutt 3		Ch. Cutt 4		Ch. Cutt 5	

52.80

Madrid

T.P.	0.60	23.74	13.14	23.14
4+50				
4+00				
3+50				
T.P.	0.65	36.28	13.11	35.63
3+00				
2+50				
2+00				
		48.74		

10.02/16.5	10.29/15	10.2/7.5	10.0	9.9/7.5	9.86/15	9.56/16.5
6.16/16.5	6.49/15	6.1/7.5	6.0	6.0/7.5	5.93/15	5.67/16.5
2.39/16.5	2.68/15	2.6/7.5	2.5	2.3/7.5	2.17/15	1.87/16.5
			36.28			
11.54/16.5	11.83/15	11.7/7.5	11.6	11.5/7.5	11.34/15	11.06/16.5
8.82/16.5	9.13/15	9.1/7.5	9.0	8.7/7.5	8.69/15	8.35/16.5
6.74/16.5	6.99/15	7.0/7.5	6.8	6.5/7.5	6.57/15	6.26/16.5
			48.74			

Madrid

top. Ob.
17.4 Rt. of
5+96.40

T.P. 1.35 17.08 8.01 15.73

6+25.00 16.3 Lt End Curb.

1477
6+07.80 = P.R.C. (Page 57)

Also transition Roll curb to 6" Curb
Taken 67°-26' Lt. off. Tang

5+96.40 Start A.C. State Pav.

2470
5+71.70 = B.C. Lt.

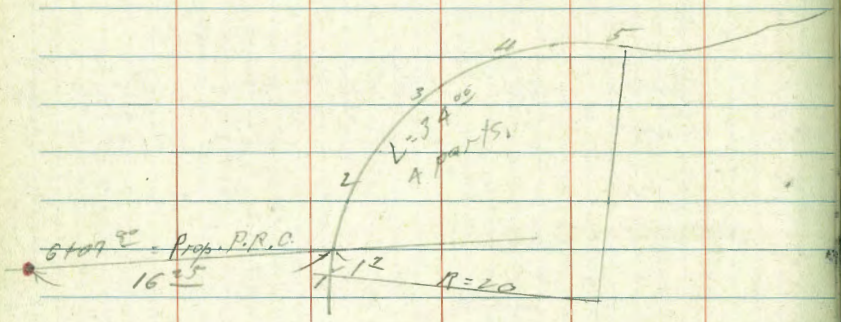
5+50

5+00 15 Lt. Gutter covered
23.74

℄

11.32 / 16.3 top ob.	12.03 / 16.3 Gutt					
10.04 / 16 top ob.	10.97 / 16 Gutt	10.42 / 12	10.13	9.80 / 8	9.80 / 16.3 Gutt	9.25 / 16.3 top. ob.
9.78 / 17.4 top ob.	10.51 / 17.4 Gutt	9.89 / 17.4	9.04	8.54 / 8	8.38 / 17.4 Gutt	8.04 / 17.4 top ob.
16.56						
7.18 / 16.5	7.52 / 15	7.3 / 7.5	7.2	7.1 / 7.5	6.89 / 15	6.57 / 16.5
5.41 / 16.5	5.70 / 15	5.5 / 7.5	5.4	5.3 / 7.5	5.15 / 15	4.84 / 16.5
1.40 / 16.5	/ 15	1.6 / 7.5	1.4	1.2 / 7.5	1.21 / 15	0.95 / 16.5

23.74



6+57.00 = W. Edge Conc. strip pav

3.94 / Gutter	3.35 / top. Ch.	3.88 / Gutter	3.20 / top Ch.	1.98 / Gutter
#4		#5 = E.C.		1.33 / top Ch. / E.C. curb +50
3.17 / Gutter	2.58 / top. Ch.	3.71 / Gutter	3.10 / top. Ch.	3.92 / Gutter
#1		#2		3.33 / top Ch. / #3

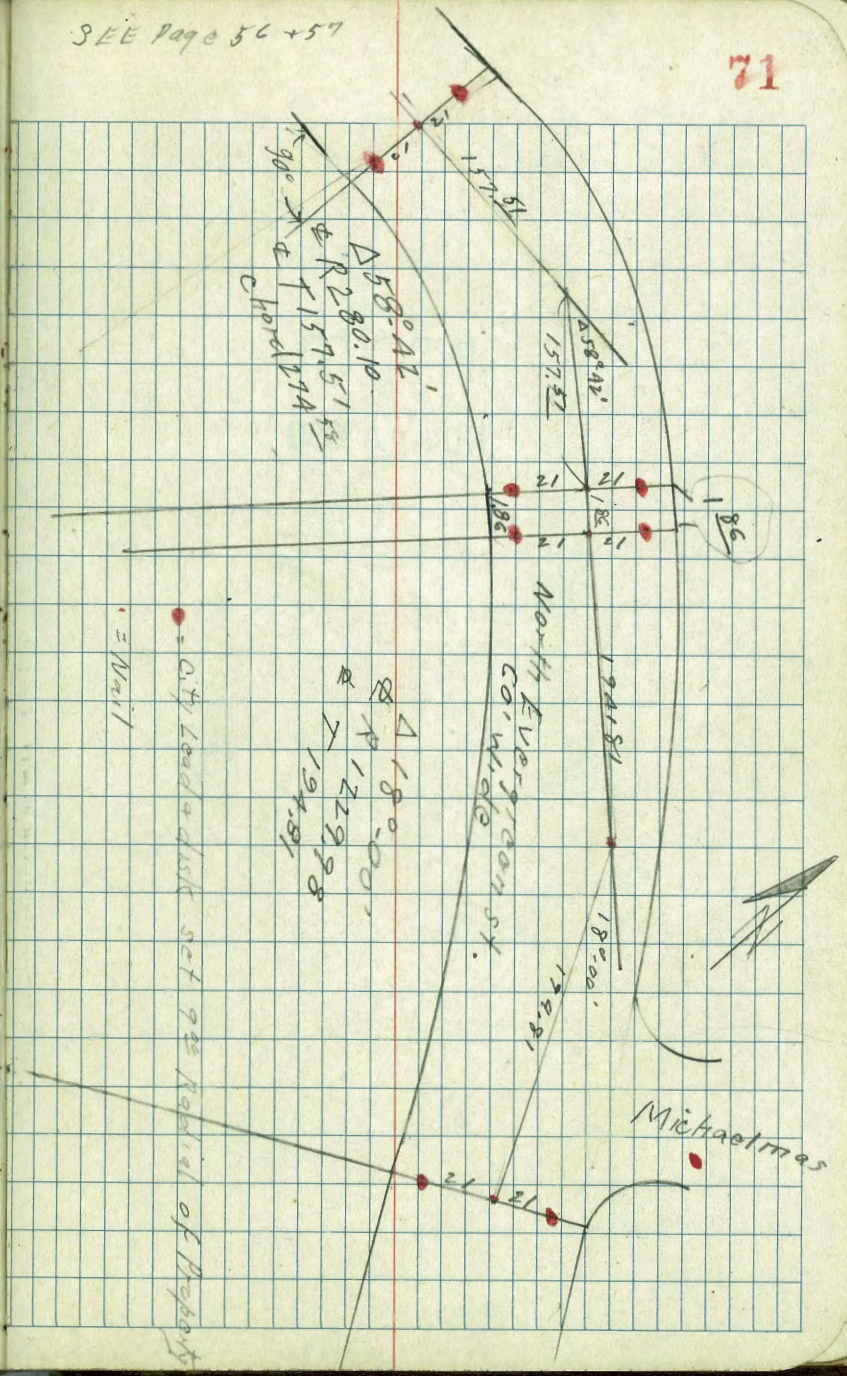
9.27 / 100	8.01 / 50	6.37	4.66 / 50	2.61 / 100
Δ 15°-40' Rt of Radial.	Δ 15°-08 Rt. of Radial		Δ 13°-54' Rt of Radial	Δ 13°-22' Rt. of Radial

17.08

North Evergreen
Tie Points

INDEXED
W.K.
SEP 21 1949

SEE Page 56 + 57



SEE PAGE 35

New Levels & Topo along ℄ of Prop. Drain
Thru Blk. 262 - See P. 35 - for sketch - Fd.
Cross at 2+12.91 & Hub. at 0+00 in ℄ of Alley
W.O. 20517 11-28-50 - 7.0.

INDEXED
MK
NOV 29 1950

1+40

1+00

0+91.5 - 13' Rt. = ℄ of 5x5' Play House
Normal to Lot - Dirt floor.

0+85.5 = 6' Rt. = Near Cor. New Stucco - 2 car Gar.

0+75 = ℄ of Junk pile - Lumber etc.

0+70 - 14.4 Rt. = Nly. Cor. Trailer

0+59 - 4.8 Rt. = Near Cor. of 7'x14' Trailer - on found.

0+54.5 = Cross wire fence - steel posts. - Normal to Lot Line

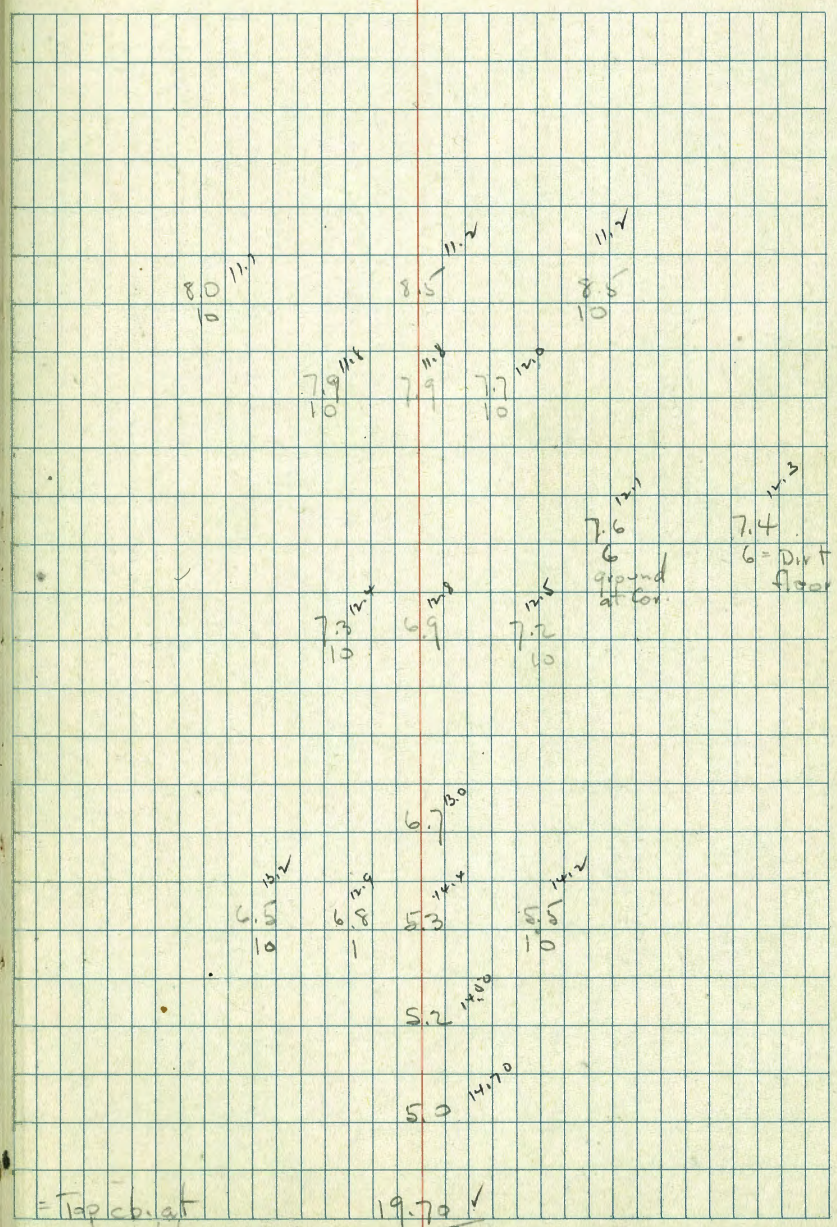
0+42 = Toe fill
= on New fill in yard.

0+40 = Cross wire fence - steel posts - along Lot Line

0+13.6 = Cross wire fence along Alley - 4x4 Posts.

0+00 = ground.

B.M. 9.23 19.70 10.47 - P. 45



2+09.5 = Sly. walk

2+00

1+75

Lt. ℄ Rt.

10.70 ✓

9.30 = check. P. 43 10.41

7.3 12.5
10

7.7 12.0
fill

9.3 10.4
Toe fill
on Lt.

9.0 10.7
10

9.9 9.8

10.5 9.2

9.5 10.2
10

Toe fill 10

19.70

Beg. Levels along ℄ of Prop. Drain Thru Block "B" - See ℄ Noted on Plan 6969-L from End of 24" RC. at "B" P. 46 To Beginning of 36" R.C. pipe at "D" - P. 46-A

1+50

1+00

0+90.5 - 15.1' Rt. = Near Cor. of Sing. Gar.

0+63 - 1.5' Rt. = ℄ ½" Water faucet.

0+61 - 1' Lt. = ℄ 4"x4" Clothes Post.

0+60.5 - 6' Lt. = ℄ 4" Orange

0+50 5.5' Lt. = ℄ 5" Orange Tree Stump - drive

0+30.5 - 12' Lt. = ℄ Sewer Mh. 4.51 on Rim

0+10

0+05

0+00 = End of 24" R.C. pipe "B"

T.P.	4.94	12.17	8.40	7.23	Top Pipe at "B"
B.M.	5.16	15.63		10.47	= P. 72

Lt. ℄ Rt

4.8 4.8 4.8
7.4 7.4 7.4
10 10

5.5 5.7 5.1
6.7 7.0 7.1
10 10

5.3 7.1 6.9 6.9
6.9 5.1 5.3 5.7
25 21
℄ Ditch

5.5 6.7

8.1 7.9 5.7 5.5 6.8 8.0
4.1 4.3 6.5 6.7 5.4 4.2
10 5 3 1 1 10
By Cor. of Gar. Ditch

7.28 4.89
I.E. pipe

= 7.30 - P. 45 12.17

produced South. - See Sketch - P. 47

2+85.83 = Chisel Cut in Headwall on ℄ of 36" pipe

2+74 = Cross Lath fence - along Lot Line

2+69.3 - 3' Lt. = ℄ inlet of Wood Culvert

2+40

2+00

Lt. ℄ Rt

3.40 8.77 = I.E. 36" Pipe at Headwall

4.89 4.28 = Top Headwall

8.31 3.86 Top 5" Concrete around flower Bed

7.6 4.5

4.1 8.06 = I.E. Wood Box

5.3 6.8

4.0 8.2 7 ℄ Ditch

5.4 6.8 4

5.1 7.1

4.8 7.4 10

4.0 8.2 3.5 ℄ Ditch

5.7 6.5 10

4.9 7.3

4.7 7.5 10

12.17 ✓

385 50%

DIRECTIONS FOR USE OF TABLES

TABLE No. 1.

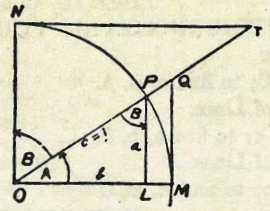
Distance of slope stake from side or shoulder stake for any width roadway, slope 1½ to 1. If ground is nearly level, the cut or fill at side stake is located by the double entry method in left column and top row. The number in body of table in same row and column gives distance from side stake to slope stake. If ground is not level estimate the difference in elevation between the side stake and slope stake, lower target by this amount if cut, elevate if fill. Add this amount to cut or fill and find distance in table. Set up rod at this point, and line of sight should cut target. If it does not make the slight adjustment necessary.

TABLE No. 9.

To find Tangent and External for curve of any other degree, divide by degree of curve and add correction found in column of corrections.

Degree of curve with a given I may be found by dividing tangent, (or external), opposite I by given tangent, (or external).

The distance from a point on the tangent to the curve is very nearly the square of the tangent lenth divided by twice the radius.



798
291
1089

TABLE II

TRIGONOMETRIC FORMULÆ.

$\angle A = \angle MOP \qquad \angle B = \angle PON = \angle OPL$

$R = OB = c = 1$

$\sin A = \frac{a}{c} = \frac{a}{1} = a = \cos B = LP$

$\cos A = \frac{b}{c} = \frac{b}{1} = b = \sin B = OL$

$\tan A = \frac{a}{b} = \frac{MQ}{OM} = \frac{MQ}{1} = MQ = \cot B = MQ$

$\cot A = \frac{NT}{ON} = \frac{NT}{1} = NT = \tan B = NT$

$\sec A = \frac{OQ}{OM} = \frac{OQ}{1} = OQ = \csc B = OQ$

$\csc A = \frac{OT}{ON} = \frac{OT}{1} = OT = \sec B = OT$

$\text{vers } A = \frac{LM}{OP} = LM = \text{covers } B$ #

$\text{covers } A = \frac{OP - LP}{OP} = OP - LP = \text{vers } B$

$\text{exsec } A = PQ = \text{coexsec } B$

$\text{coexsec } A = PT = \text{exsec } B$

$\sin \tfrac{1}{2} A = \sqrt{\frac{1 - \text{Cos } A}{2}} \qquad \cos \tfrac{1}{2} A = \sqrt{\frac{1 + \text{Cos } A}{2}}$

$\sin 2A = 2 \sin A \cos A \qquad \cos 2A = \cos^2 A - \sin^2 A$

Law of Lines $\frac{\sin A}{a} = \frac{\sin B}{B} = \frac{\sin C}{C}$

Law of Cosines $c^2 = a^2 + b^2 - 2 ab \cos C$

Law of Tangents $\frac{a+b}{a-b} = \frac{\tan \frac{1}{2}(A+B)}{\tan \frac{1}{2}(A-B)}$

Table X.

MIDDLE ORDINATES OF RAILS

Length of Rail (feet)

C ° ′	R Feet	30 Inch	28 Inch	26 Inch	24 Inch	22 Inch	20 Inch	C °	R Feet	30 Inch	28 Inch	26 Inch	24 Inch	22 Inch	20 Inch
0–20	17189	.08	.07	.06	.05	.04	.03	8	716.8	1.88	1.64	1.42	1.20	1.01	.84
0–40	8594	.16	.14	.12	.10	.08	.07	9	637.3	2.12	1.84	1.60	1.35	1.14	.94
1–0	5730	.24	.20	.18	.15	.13	.10	10	573.7	2.36	2.05	1.78	1.50	1.27	1.04
1–20	4297	.31	.27	.23	.20	.17	.13	11	521.7	2.59	2.26	1.95	1.65	1.39	1.15
1–40	3438	.39	.34	.29	.25	.21	.17	12	478.3	3.83	2.47	2.15	1.81	1.54	1.26
2–0	2865	.47	.41	.35	.30	.25	.20	13	441.7	3.05	2.66	2.30	1.96	1.66	1.36
2–20	2456	.55	.48	.41	.35	.29	.23	14	410.3	3.30	2.87	2.48	2.10	1.78	1.46
2–40	2149	.63	.55	.47	.40	.33	.27	15	383.1	3.54	3.08	2.68	2.26	1.91	1.57
3–0	1910	.71	.62	.53	.45	.38	.31	16	359.3	3.76	3.28	2.83	2.40	2.04	1.67
3–20	1719	.78	.68	.59	.50	.42	.35	17	338.3	4.00	3.48	3.02	2.57	2.16	1.78
3–40	1563	.86	.75	.65	.55	.46	.38	18	319.6	4.21	3.67	3.18	2.70	2.28	1.87
4–0	1433	.94	.82	.71	.60	.50	.42	19	302.9	4.45	3.89	3.36	2.86	2.41	1.98
4–20	1323	1.02	.89	.77	.65	.55	.45	20	287.9	4.70	4.09	3.55	3.00	2.54	2.09
4–40	1228	1.10	.96	.83	.70	.59	.48	22	262.0	5.16	4.44	3.84	3.30	2.80	2.29
5	1146	1.18	1.03	.89	.75	.63	.52	24	240.5	5.64	4.92	4.20	3.59	3.04	2.50
6	955.3	1.41	1.23	1.06	.90	.76	.62	26	222.3	6.07	5.29	4.58	3.88	3.29	2.70
7	819.0	1.65	1.44	1.24	1.05	.89	.73								

Table XI.

SHORT RADIUS CURVES

Radius Feet	Chord Feet	Central Angle	Deflection Angle	Deflection for 1 Foot
35	10	16-26	8-13	49.3
45	10	12-46	6-23	38.3
50	15	17-16	8-38	34.5
60	15	14-22	7-11	28.8
75	15	11-30	5-45	23.0
100	20	11-30	5-45	17.3
120	20	9-34	4-47	14.3
150	20	7-39	3-49	11.5
190	25	7-32	3-46	9.15
200	25	7-10	3-35	8.6
225	25	6-25	3-12	7.7
240	25	5-58	2-59	7.2
250	25	5-44	2-52	6.9
275	25	5-12	2-36	6.2
288	50	9-58	4-59	6.0
300	50	9-32	4-46	5.7
350	50	8-12	4-06	4.9
376	50	7-40	3-50	4.6
400	50	7-10	3-35	4.3
410	50	7-00	3-30	4.2

To find length of curve divide angle from P. C. to P. T. by central angle of chord, and multiply by length of chord.

60

Table XII.

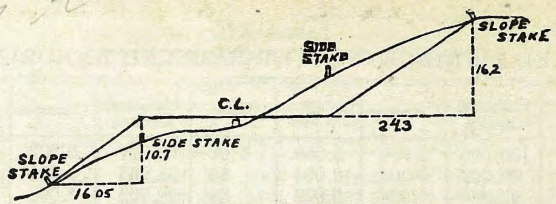
INCLINED DISTANCE OF 100 FT. REDUCED TO HORIZONTAL

Slope	Horizontal Distance	Correction	Rise Per Foot	Slope	Horizontal Distance	Correction	Rise Per Foot
0°00′	100.000	0.000	0.000	8°00′	99.027	0.973	0.139
15′	99.999	0.001	0.004	15′	98.965	1.035	0.143
30′	99.996	0.004	0.009	30′	98.902	1.098	0.148
45′	99.991	0.009	0.013	45′	98.836	1.164	0.152
1 00	99.985	0.015	0.017	9 00	98.769	1.231	0.156
15	99.976	0.024	0.022	15	98.700	1.300	0.161
30	99.966	0.034	0.026	30	98.629	1.371	0.165
45	99.953	0.047	0.031	45	98.556	1.444	0.169
2 00	99.939	0.061	0.035	10 00	98.481	1.519	0.174
15	99.923	0.077	0.039	15	98.404	1.596	0.178
30	99.905	0.095	0.044	30	98.325	1.675	0.182
45	99.885	0.115	0.048	45	98.245	1.755	0.187
3 00	99.863	0.137	0.052	11 00	98.163	1.837	0.191
15	99.839	0.161	0.057	15	98.079	1.921	0.195
30	99.813	0.187	0.061	30	97.992	2.008	0.199
45	99.786	0.214	0.065	45	97.905	2.095	0.204
4 00	99.756	0.244	0.070	12 00	97.815	2.185	0.208
15	99.725	0.275	0.074	15	97.723	2.277	0.212
30	99.692	0.308	0.078	30	97.630	2.370	0.216
45	99.657	0.343	0.083	45	97.534	2.466	0.221
5 00	99.619	0.381	0.087	13 00	97.437	2.563	0.225
15	99.580	0.420	0.092	15	97.338	2.662	0.229
30	99.540	0.460	0.096	30	97.237	2.763	0.233
45	99.497	0.503	0.100	45	97.134	2.866	0.238
6 00	99.452	0.548	0.105	14 00	97.030	2.970	0.242
15	99.406	0.594	0.109	15	96.923	3.077	0.246
30	99.357	0.643	0.113	30	96.815	3.185	0.250
45	99.307	0.693	0.118	45	96.705	3.295	0.255
7 00	99.255	0.745	0.122	15 00	96.593	3.407	0.259
15	99.200	0.800	0.126	15	96.479	3.521	0.263
30	99.144	0.856	0.131	30	96.363	3.637	0.267
45	99.087	0.913	0.135	45	96.246	3.754	0.271

Table XIII.

MINUTES IN DECIMALS OF A DEGREE.

0 30″	.00833	10′ 30″	.17500	20′ 30″	.34167	30′ 30″	.50833	40′ 30″	.67500	50′ 30″	.84167
1 00	.01667	11 00	.18333	21 00	.35000	31 00	.51667	41 00	.68333	51 00	.85000
30	.02500	30	.19167	30	.35833	30	.52500	30	.69167	30	.85833
2 00	.03333	12 00	.20000	22 00	.36667	32 00	.53333	42 00	.70000	52 00	.86667
30	.04167	30	.20833	30	.37500	30	.54167	30	.70833	30	.87500
3 00	.05000	13 00	.21667	23 00	.38333	33 00	.55000	43 00	.71667	53 00	.88333
30	.05833	30	.22500	30	.39167	30	.55833	30	.72500	30	.89167
4 00	.06667	14 00	.23333	24 00	.40000	34 00	.56667	44 00	.73333	54 00	.90000
30	.07500	30	.24167	30	.40833	30	.57500	30	.74167	30	.90833
5 00	.08333	15 00	.25000	25 00	.41667	35 00	.58333	45 00	.75000	55 00	.91667
30	.09167	30	.25833	30	.42500	30	.59167	30	.75833	30	.92500
6 00	.10000	16 00	.26667	26 00	.43333	36 00	.60000	46 00	.76667	56 00	.93333
30	.10833	30	.27500	30	.44167	30	.60833	30	.77500	30	.94167
7 00	.11667	17 00	.28333	27 00	.45000	37 00	.61667	47 00	.78333	57 00	.95000
30	.12500	30	.29167	30	.45833	30	.62500	30	.79167	30	.95833
8 00	.13333	18 00	.30000	28 00	.46667	38 00	.63333	48 00	.80000	58 00	.96667
30	.14167	30	.30833	30	.47500	30	.64167	30	.80833	30	.97500
9 00	.15000	19 00	.31667	29 00	.48333	39 00	.65000	49 00	.81667	59 00	.98333
30	.15833	30	.32500	30	.49167	30	.65833	30	.82500	30	.99167
10 00	.16667	20 00	.33333	30 00	.50000	40 00	.66667	50 00	.83333	60 00	1.00000



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.

SLOPE 1½ TO 1. ROADWAY OF ANY WIDTH.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.00	0.15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	0
1	1.50	1.65	1.80	1.95	2.10	2.25	2.40	2.55	2.70	2.85	1
2	3.00	3.15	3.30	3.45	3.60	3.75	3.90	4.05	4.20	4.35	2
3	4.50	4.65	4.80	4.95	5.10	5.25	5.40	5.55	5.70	5.85	3
4	6.00	6.15	6.30	6.45	6.60	6.75	6.90	7.05	7.20	7.35	4
5	7.50	7.65	7.80	7.95	8.10	8.25	8.40	8.55	8.70	8.85	5
6	9.00	9.15	9.30	9.45	9.60	9.75	9.90	10.05	10.20	10.35	6
7	10.50	10.65	10.80	10.95	11.10	11.25	11.40	11.55	11.70	11.85	7
8	12.00	12.15	12.30	12.45	12.60	12.75	12.90	13.05	13.20	13.35	8
9	13.50	13.65	13.80	13.95	14.10	14.25	14.40	14.55	14.70	14.85	9
10	15.00	15.15	15.30	15.45	15.60	15.75	15.90	16.05	16.20	16.35	10
11	16.50	16.65	16.80	16.95	17.10	17.25	17.40	17.55	17.70	17.85	11
12	18.00	18.15	18.30	18.45	18.60	18.75	18.90	19.05	19.20	19.35	12
13	19.50	19.65	19.80	19.95	20.10	20.25	20.40	20.55	20.70	20.85	13
14	21.00	21.15	21.30	21.45	21.60	21.75	21.90	22.05	22.20	22.35	14
15	22.50	22.65	22.80	22.95	23.10	23.25	23.40	23.55	23.70	23.85	15
16	24.00	24.15	24.30	24.45	24.60	24.75	24.90	25.05	25.20	25.35	16
17	25.50	25.65	25.80	25.95	26.10	26.25	26.40	26.55	26.70	26.85	17
18	27.00	27.15	27.30	27.45	27.60	27.75	27.90	28.05	28.20	28.35	18
19	28.50	28.65	28.80	28.95	29.10	29.25	29.40	29.55	29.70	29.85	19
20	30.00	30.15	30.30	30.45	30.60	30.75	30.90	31.05	31.20	31.35	20
21	31.50	31.65	31.80	31.95	32.10	32.25	32.40	32.55	32.70	32.85	21
22	33.00	33.15	33.30	33.45	33.60	33.75	33.90	34.05	34.20	34.35	22
23	34.50	34.65	34.80	34.95	35.10	35.25	35.40	35.55	35.70	35.85	23
24	36.00	36.15	36.30	36.45	36.60	36.75	36.90	37.05	37.20	37.35	24
25	37.50	37.65	37.80	37.95	38.10	38.25	38.40	38.55	38.70	38.85	25
26	39.00	39.15	39.30	39.45	39.60	39.75	39.90	40.05	40.20	40.35	26
27	40.50	40.65	40.80	40.95	41.10	41.25	41.40	41.55	41.70	41.85	27
28	42.00	42.15	42.30	42.45	42.60	42.75	42.90	43.05	43.20	43.35	28
29	43.50	43.65	43.80	43.95	44.10	44.25	44.40	44.55	44.70	44.85	29
30	45.00	45.15	45.30	45.45	45.60	45.75	45.90	46.05	46.20	46.35	30
31	46.50	46.65	46.80	46.95	47.10	47.25	47.40	47.55	47.70	47.85	31
32	48.00	48.15	48.30	48.45	48.60	48.75	48.90	49.05	49.20	49.35	32
33	49.50	49.65	49.80	49.95	50.10	50.25	50.40	50.55	50.70	50.85	33
34	51.00	51.15	51.30	51.45	51.60	51.75	51.90	52.05	52.20	52.35	34
35	52.50	52.65	52.80	52.95	53.10	53.25	53.40	53.55	53.70	53.85	35
36	54.00	54.15	54.30	54.45	54.60	54.75	54.90	55.05	55.20	55.35	36
37	55.50	55.65	55.80	55.95	56.10	56.25	56.40	56.55	56.70	56.85	37
38	57.00	57.15	57.30	57.45	57.60	57.75	57.90	58.05	58.20	58.35	38
39	58.50	58.65	58.80	58.95	59.10	59.25	59.40	59.55	59.70	59.85	39
40	60.00	60.15	60.30	60.45	60.60	60.75	60.90	61.05	61.20	61.35	40
41	61.50	61.65	61.80	61.95	62.10	62.25	62.40	62.55	62.70	62.85	41
42	63.00	63.15	63.30	63.45	63.60	63.75	63.90	64.05	64.20	64.35	42
43	64.50	64.65	64.80	64.95	65.10	65.25	65.40	65.55	65.70	65.85	43
44	66.00	66.15	66.30	66.45	66.60	66.75	66.90	67.05	67.20	67.35	44
45	67.50	67.65	67.80	67.95	68.10	68.25	68.40	68.55	68.70	68.85	45
46	69.00	69.15	69.30	69.45	69.60	69.75	69.90	70.05	70.20	70.35	46
47	70.50	70.65	70.80	70.95	71.10	71.25	71.40	71.55	71.70	71.85	47
48	72.00	72.15	72.30	72.45	72.60	72.75	72.90	73.05	73.20	73.35	48
49	73.50	73.65	73.80	73.95	74.10	74.25	74.40	74.55	74.70	74.85	49
50	75.00	75.15	75.30	75.45	75.60	75.75	75.90	76.05	76.20	76.35	50

Computed by L. Leland Locke.

1461.5

1447 9.3 Rt

5.8 Lt

13.5

35

1367 7.3 + 13.5 = 16'

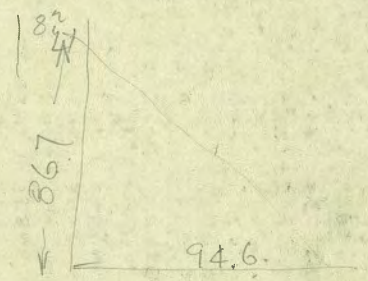
73

6

200

57.4 Lt

58 Rt

1634

94.6