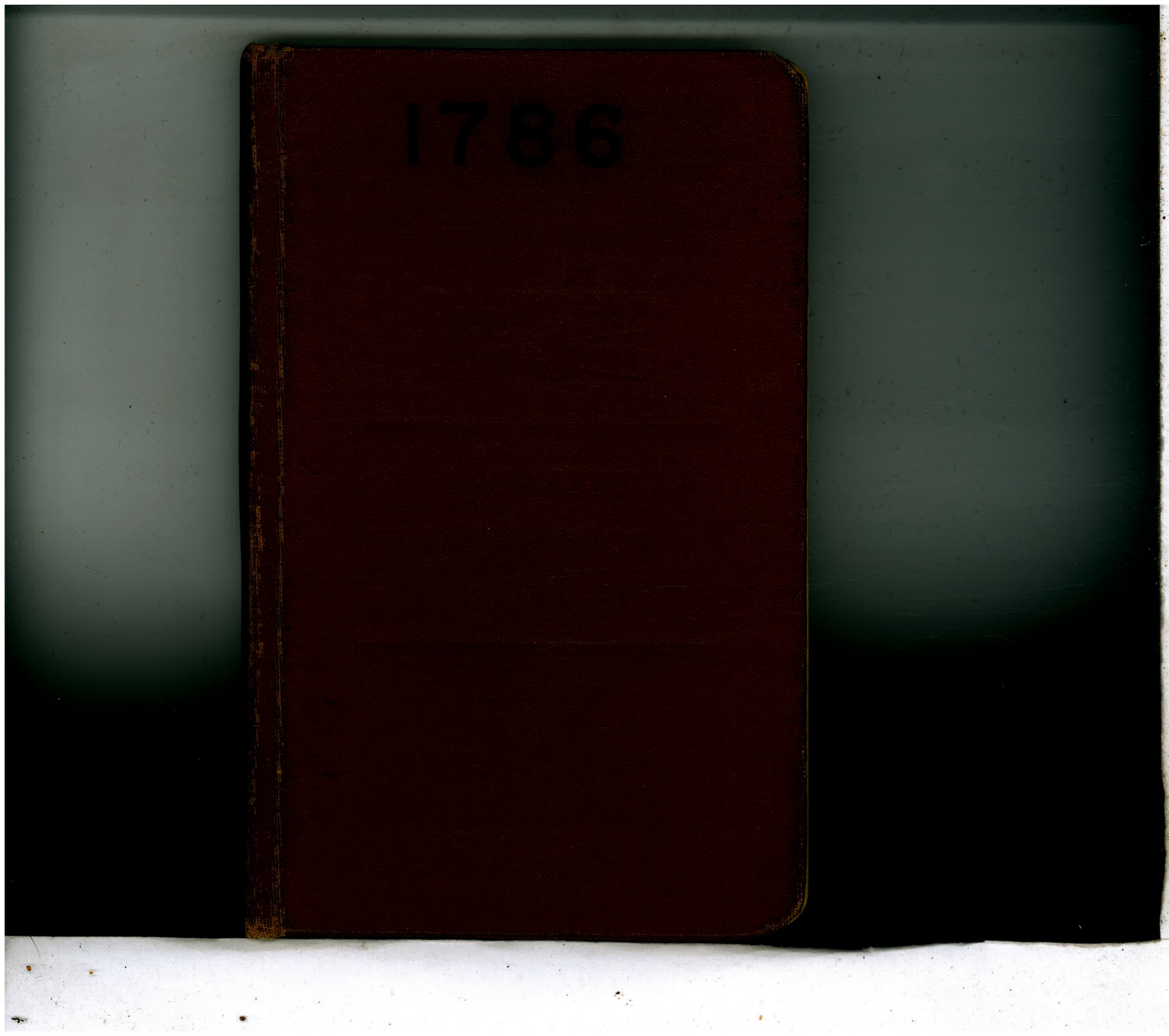

1786

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)÷2 or 2 ft. added to 30.6 =32.6. For slopes of 1 on 1½ see inside of back cover.

1786

Mission Valley Sewer Construction

30 × 4/12

CITY ENGINEER'S OFFICE

INDEXED
to page #69

This Field Book is manufactured of a High Grade **50%** Rag Paper having a **WATER RESISTING SURFACE,** and is sewed with Bing Special Enamel Waterproof thread.

Made in U. S. A.

M. Valley Sewer Constuction 1 to 19

" " #3 " 20 to 34

Alignment Mission Valley Trunk Sewer
No 3 Construction

INDEXED
W.R
DEC 6 1949

40+55.13 Δ 3°49'30" Rt.

40+30 = Ely Jacking Operation

39+73 = Wly Jacking Operation

37+70 = Ely Jacking Operation

36+10 = Wly Jacking Operation

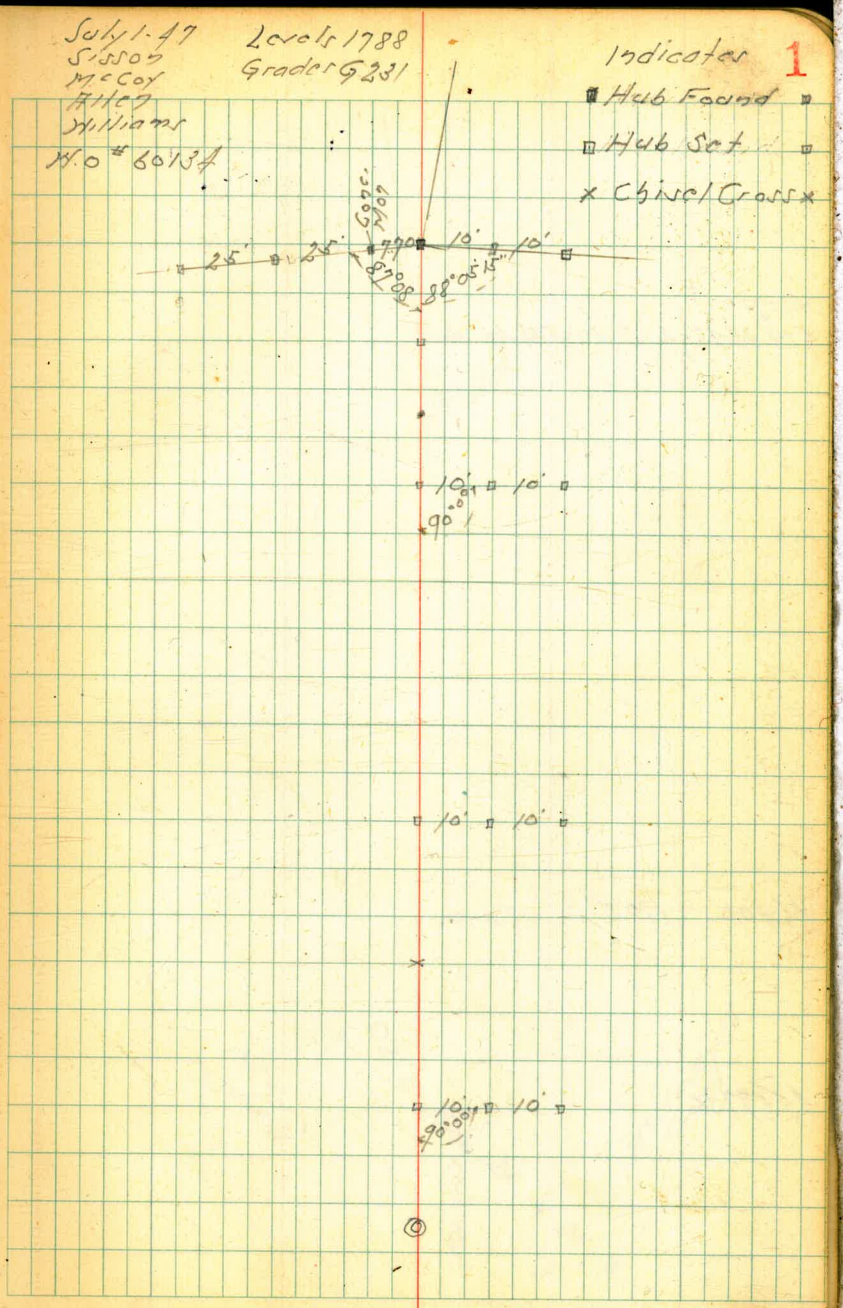
35+45.28 = Existing Sewer Man Hole

July 1-49
Sisson
McCoy
Riley
Williams
W.O # 60134

Levels 1788
Grader G231

Indicater 1

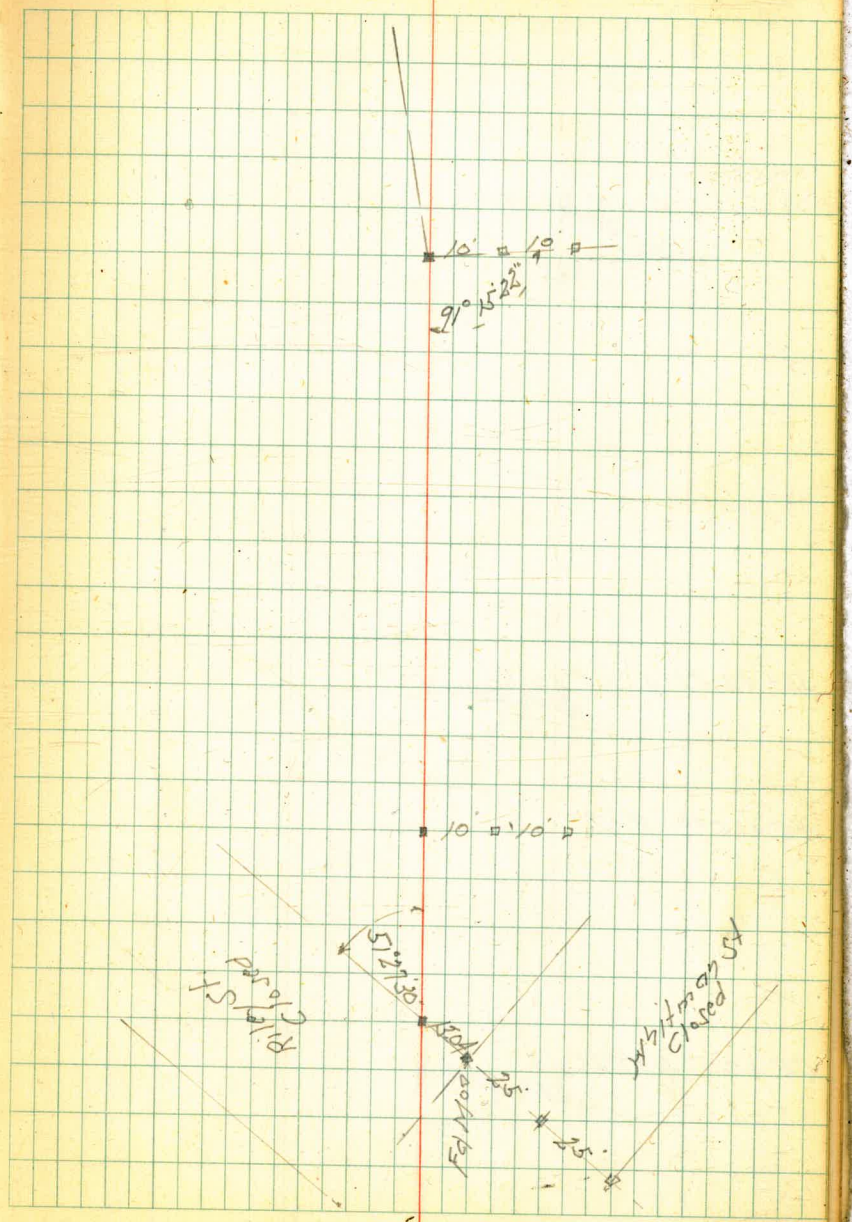
Hub Found
Hub Set
x Chisel Cross



61700 S
= 51+38.42 Δ 2°30'45" Lt

16700 P.O.T.

44+97.30

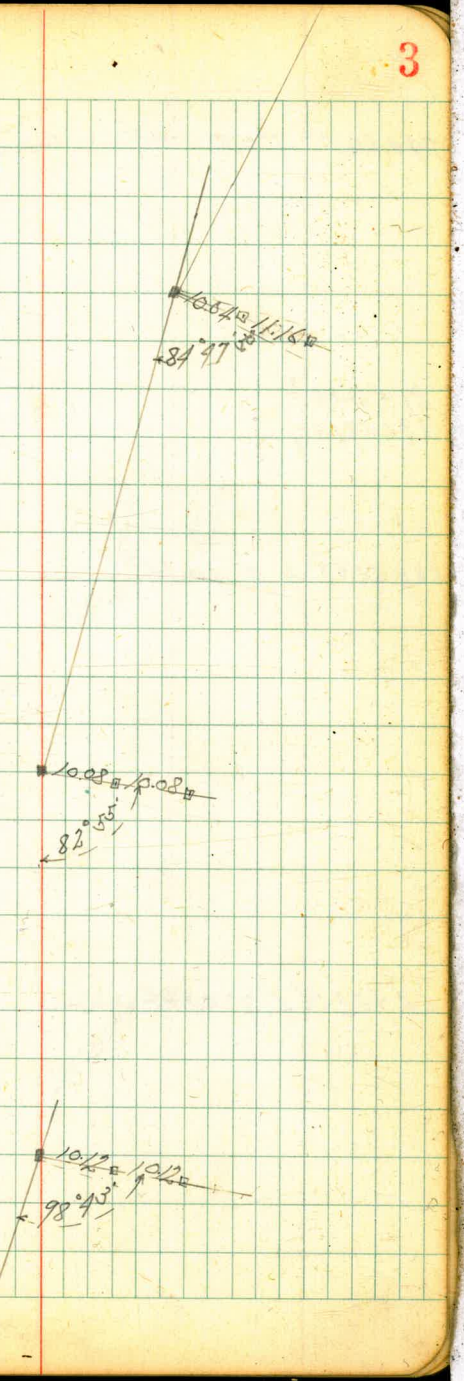


60+05.00
60+06.46 Δ 10° 25' Rt.

56+48.42 Δ 14° 10' Rt.

55+65.00 P.O.T.

55+00 Δ 17°26' Lt

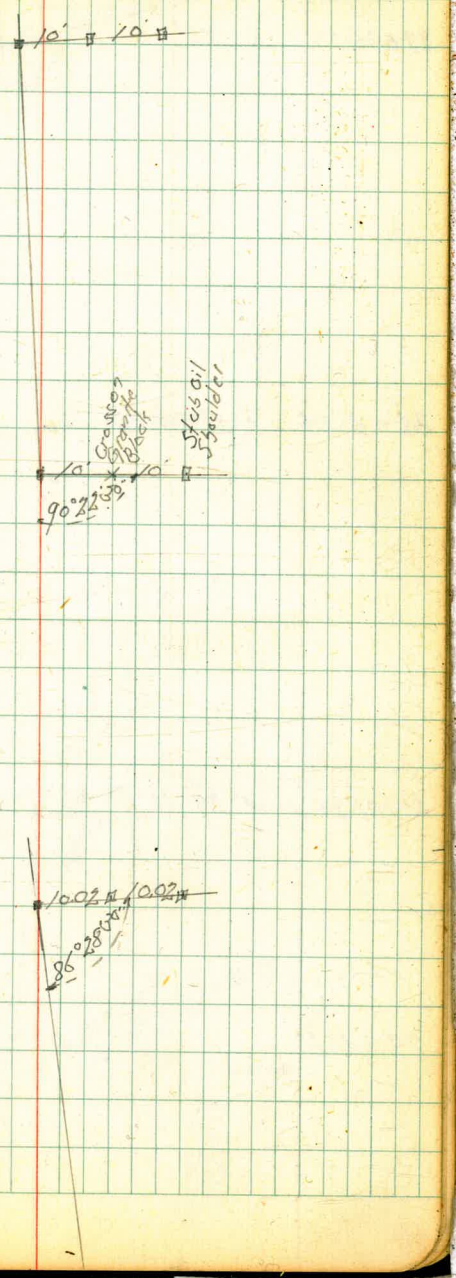


74+60.00 P.O.T.

69+61.05 ⎫
69+59.15 ⎭

687+56.62 Δ 6° 45' Lt.

63+32.56 Δ 7° 03' Rt.

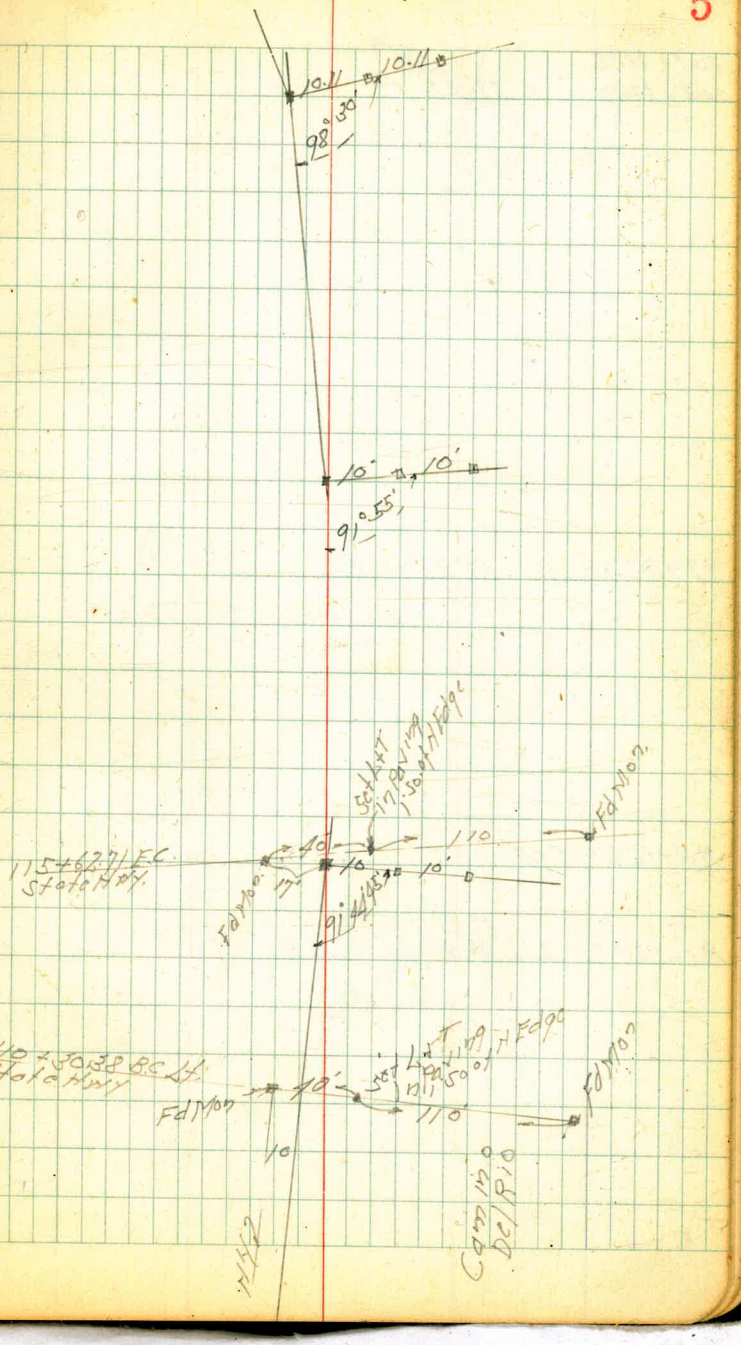


89+06.00 Δ 17°00' Lt.

84+46.05 Δ 3°50' Lt.

81+01.85 Δ 3°29'30" Lt.

79+21.11

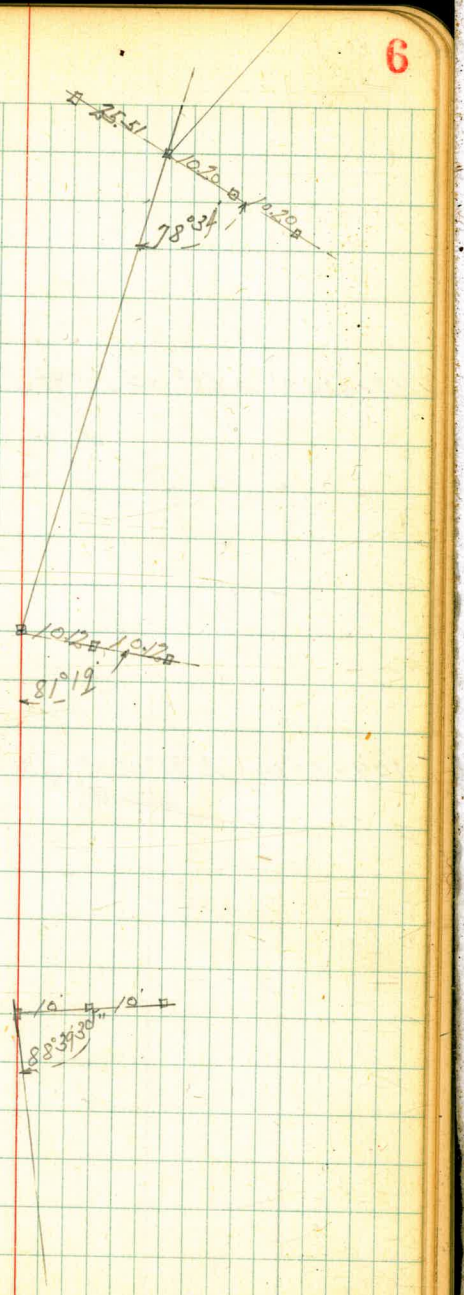


105+38.32
105+28.39 Δ 22°52' Rt.

97+87.02 Δ 17°22'45" Rt.

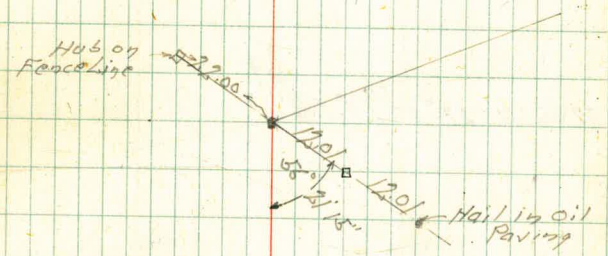
95+66.81 P.O.T.

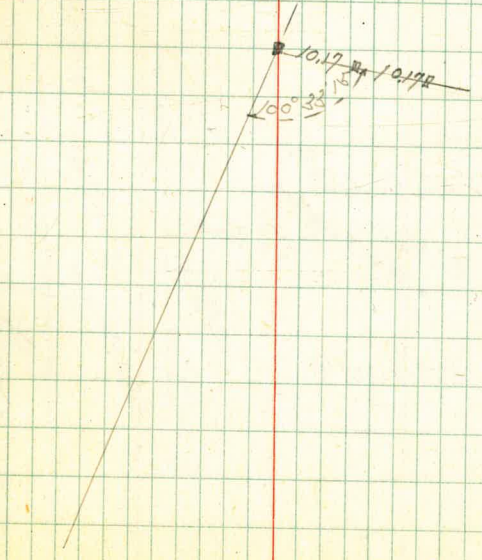
93+65.00 Δ 1°49'30" Rt.
2°41' Rt MH # 13



112+43.59 Δ 67° 17' 30" Rt.

109+50.00 Δ 21°06'30" Lt.



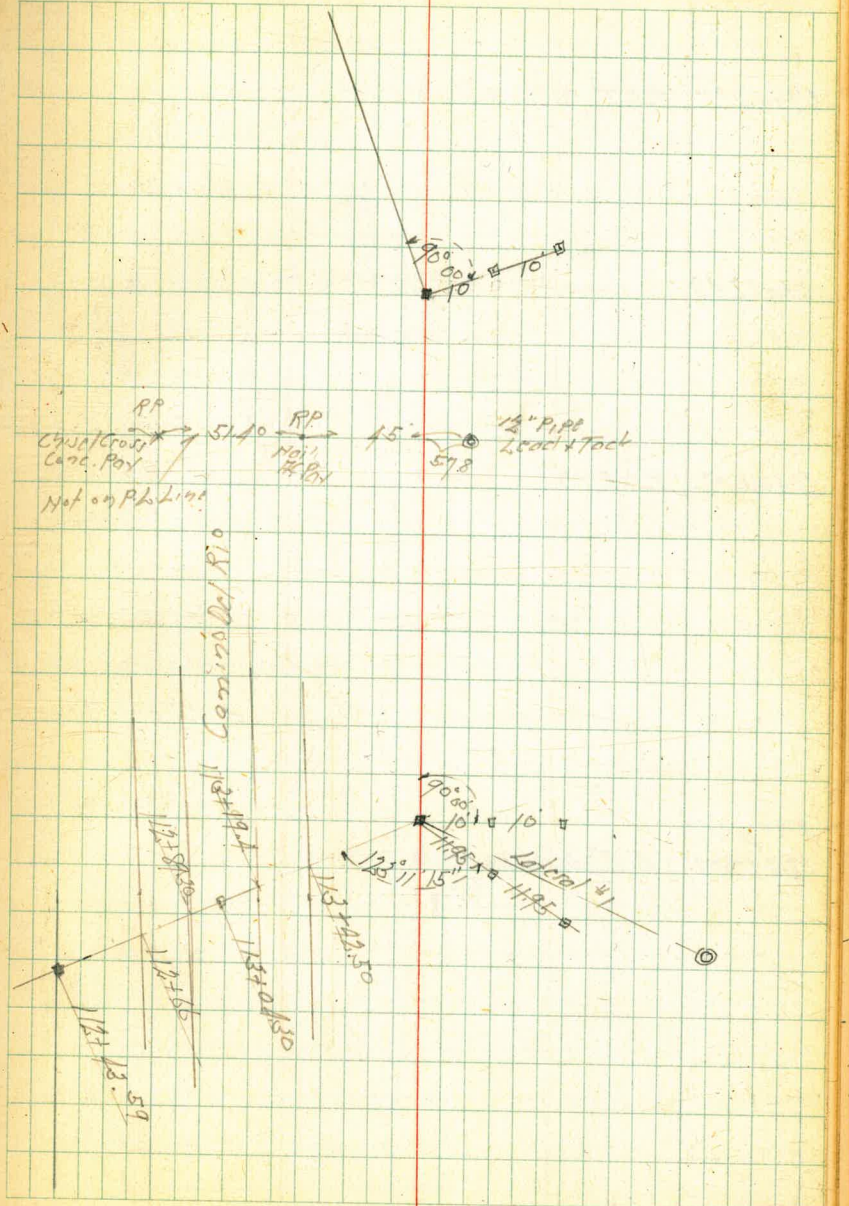


118+92.56 Δ 18°10'Lt.

118+56.12

113+93.70 Δ 66°22'30" Lt

112+43.59 Δ 67°17'30" Rt

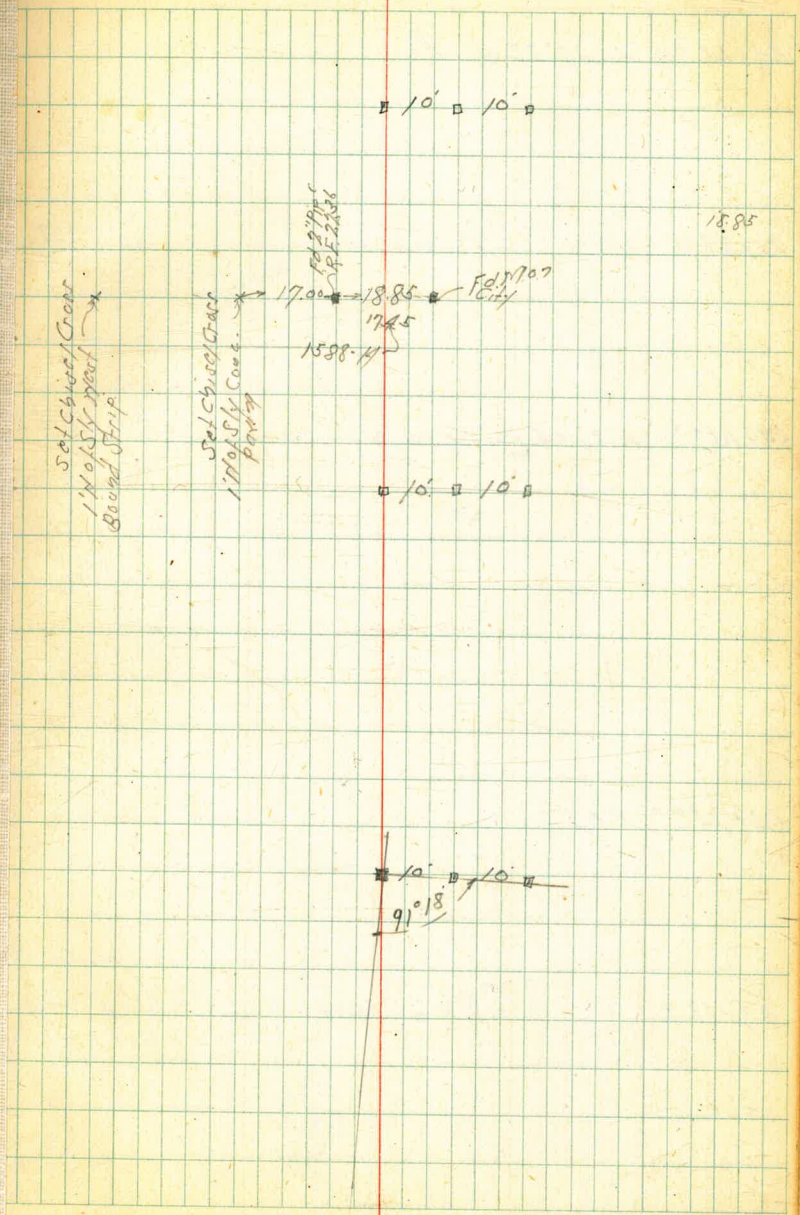


27+32.00 P.O.T.

35+62.48

31+40.00 P.O.T.

25+46.68
122+91.41 Δ 2° 36' Lt.



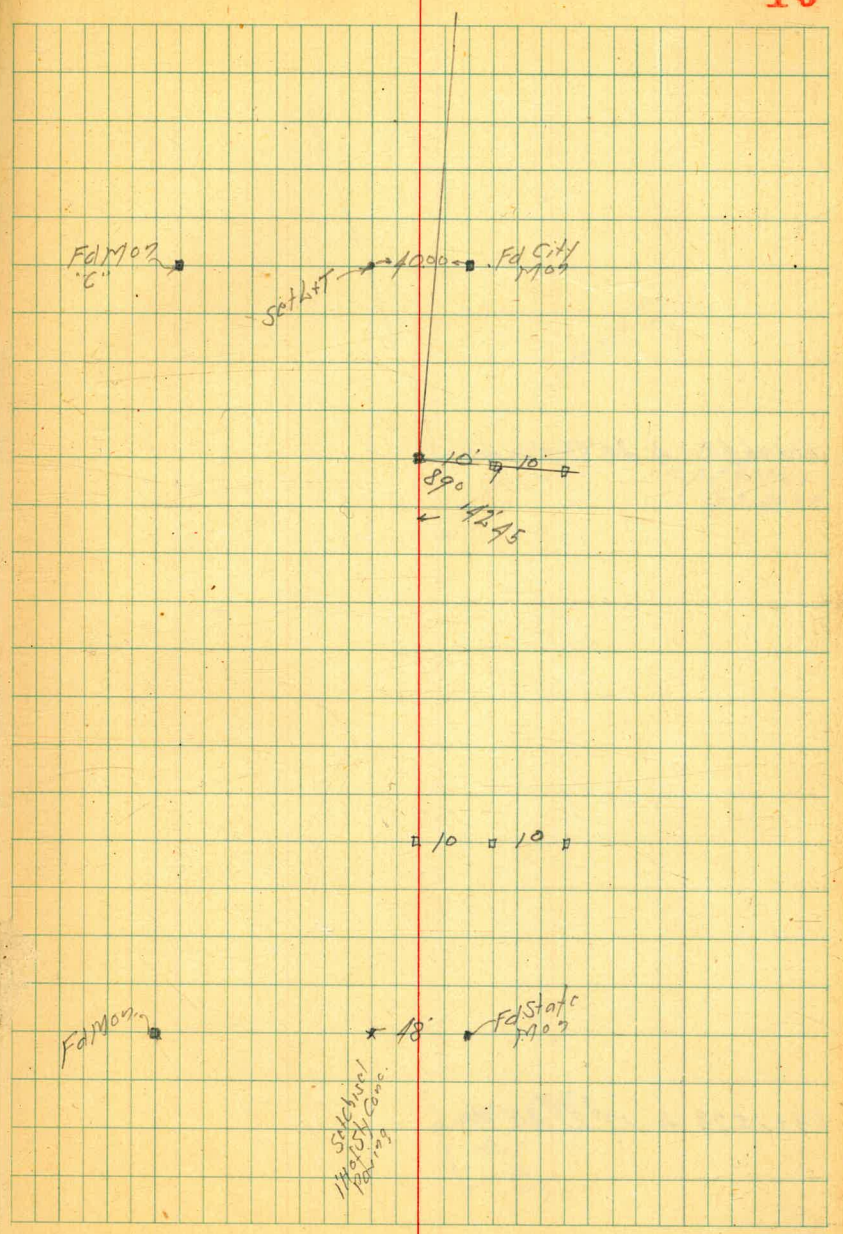
54+15.78 Δ 17°22'30" Rt.

51+89.96 = Mon

19+15°° Δ 0°34'30" Rt.

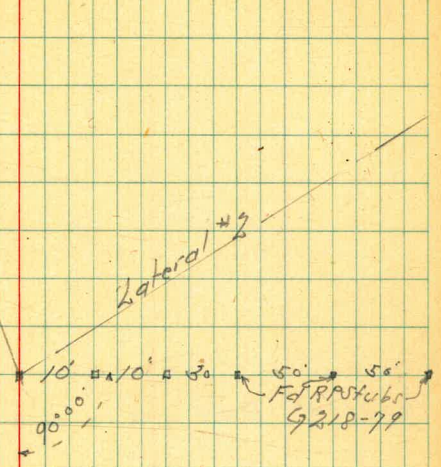
18+24°° P.O.T.

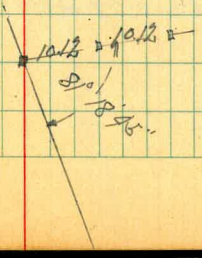
39+68.92



61+06.48 Δ 20°06'30" Lt.

54+15.78 Δ 17°22'30" Rt.



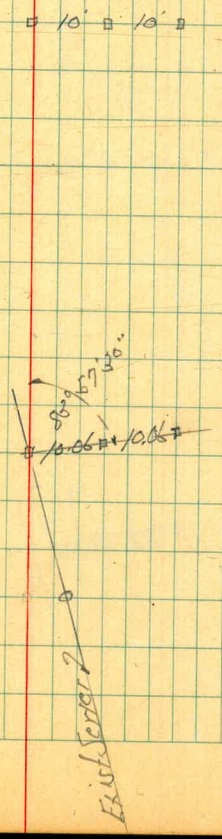


July 11-47
Sisson
McCoy
Roberts
Williams

73+66.00 P.O.T.

67+51.86 Δ 12° 05' Rt.

66+75.29 = Elv Existing Sewer



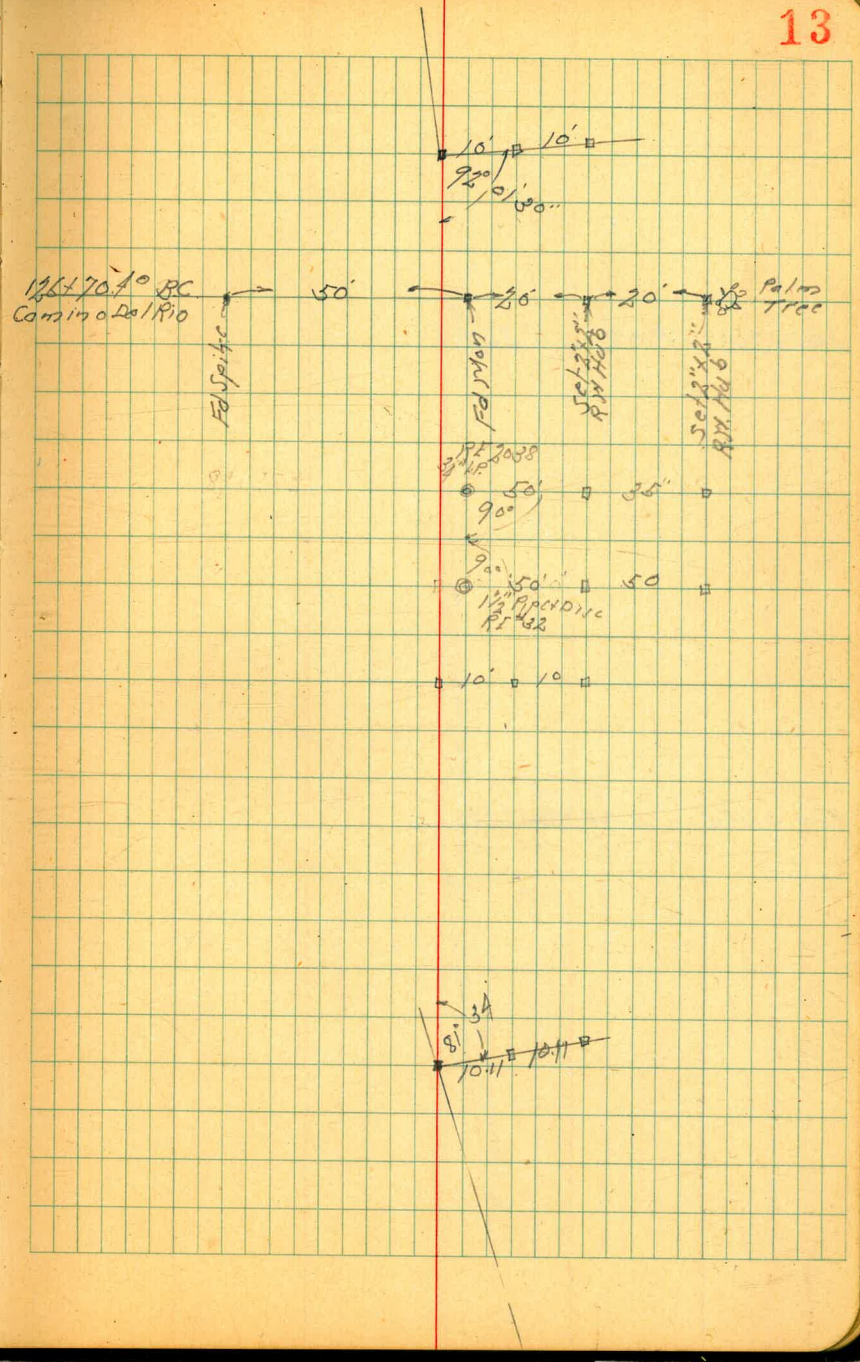
90+84.03 Δ 4°03' 30" Lt.

89+58 ±

89+38 ±

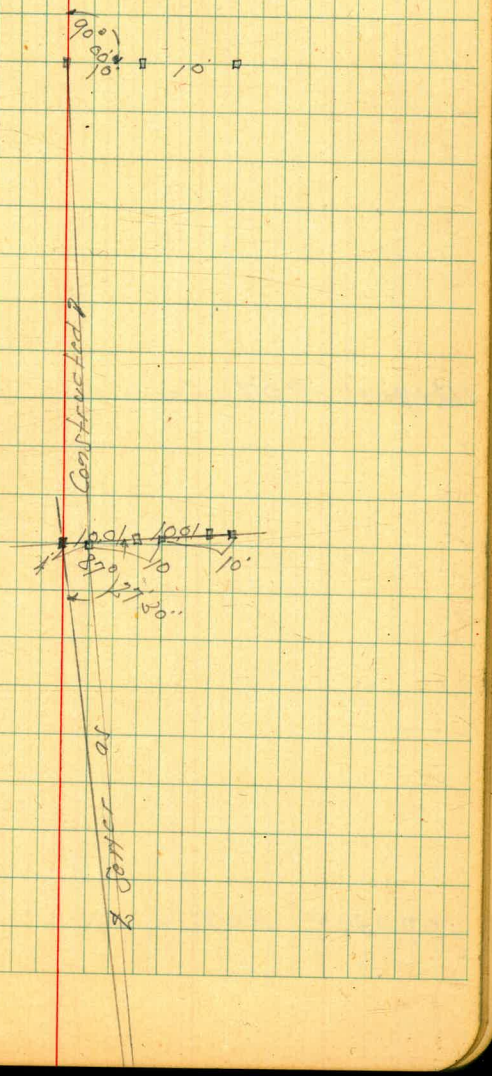
85+40 ± P.O.T. = MH

79+99.93 ↑
79+80.69 → Δ 16°52' Rt.



101+70.00 P.O.T. Δ 0°21' Rt.

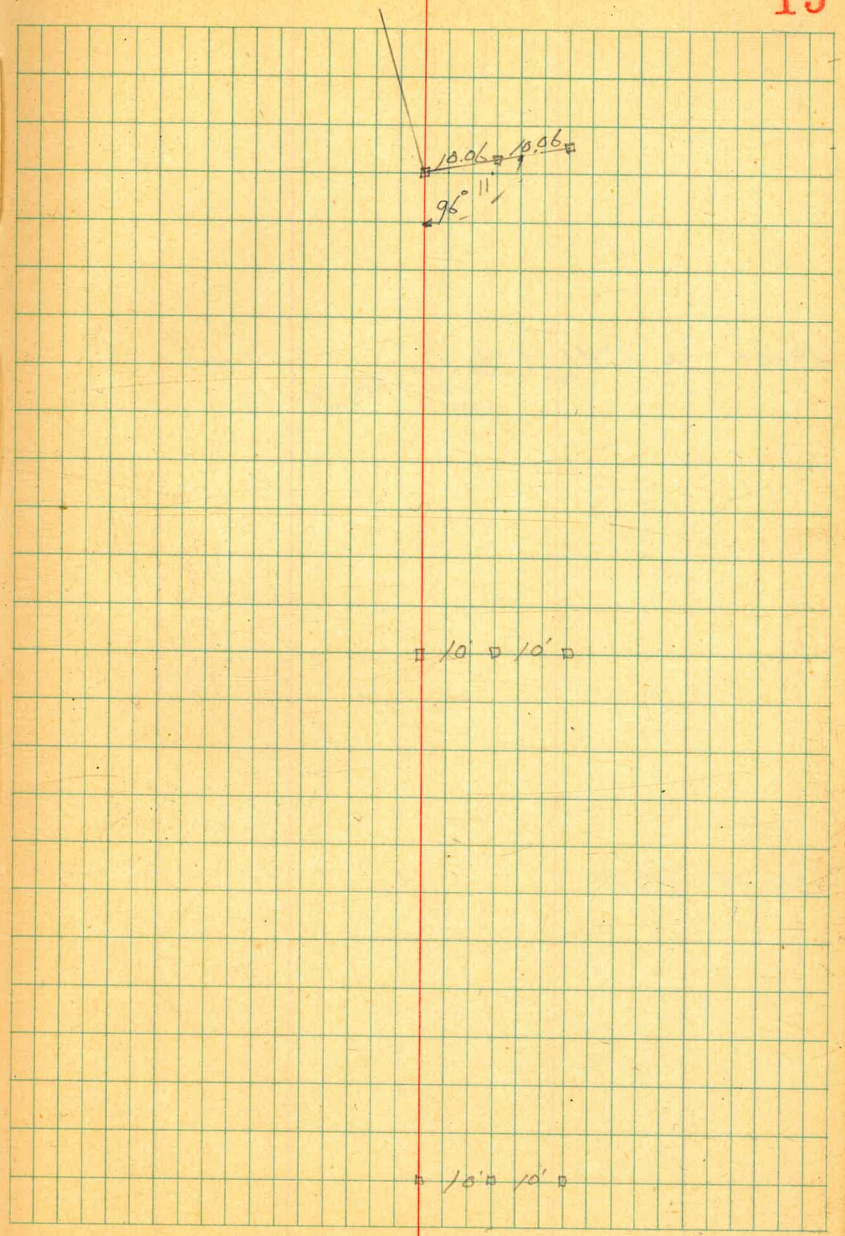
96+01.50 Δ 5°05' Rt.



118+50.00 Δ 12° 22' Lt.

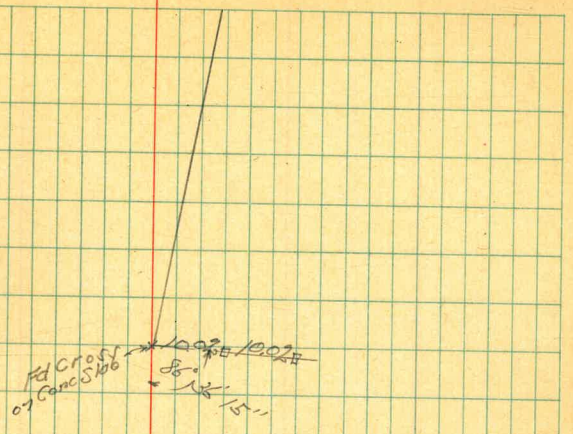
112+90.00 P.O.T.

107+30.00 P.O.T.



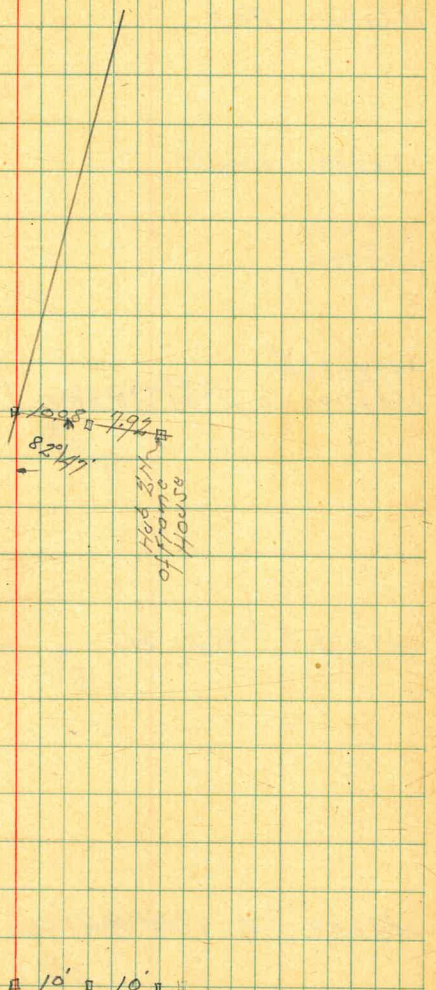
129+00 Δ 6°47'30" Rt.

123+75 POT



139+88.50 Δ 14°26' Rt.

134+45.00 P.O.T.



July 14-47
S. Sosa
McCoy
Hoddel

155+70.0 P.O.T.

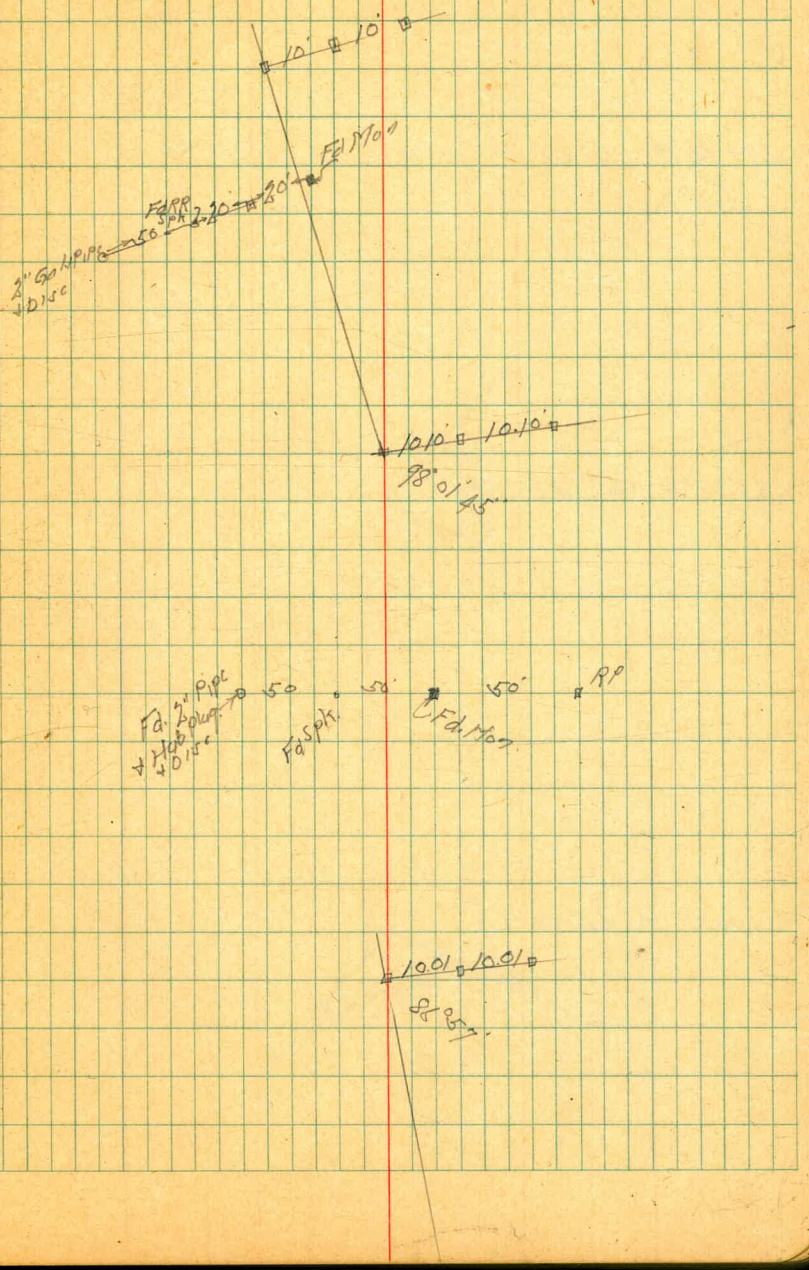
150+90 Hwy E.C.

150+01.32
149+99.96

149+58.64
150+11.90 Δ 16°08'30" Lt.

147+24 ± Hwy B.C.

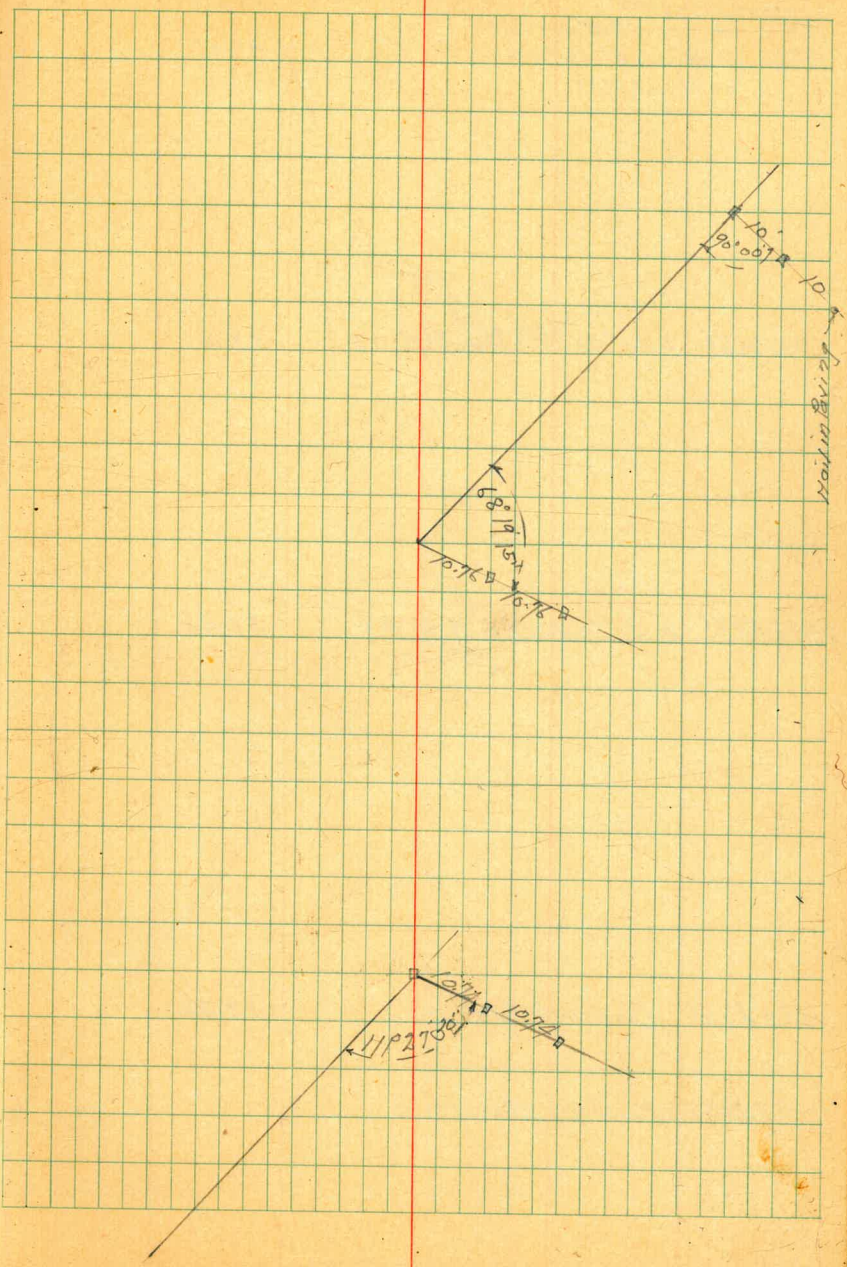
144+00 Δ 6°06' Rt



169+40.73 = End of Contract Δ 30° 13' Rt.

165+75.68 Δ 43° 21' 30" Rt.

161+90.00 Δ 42° 55' Lt.



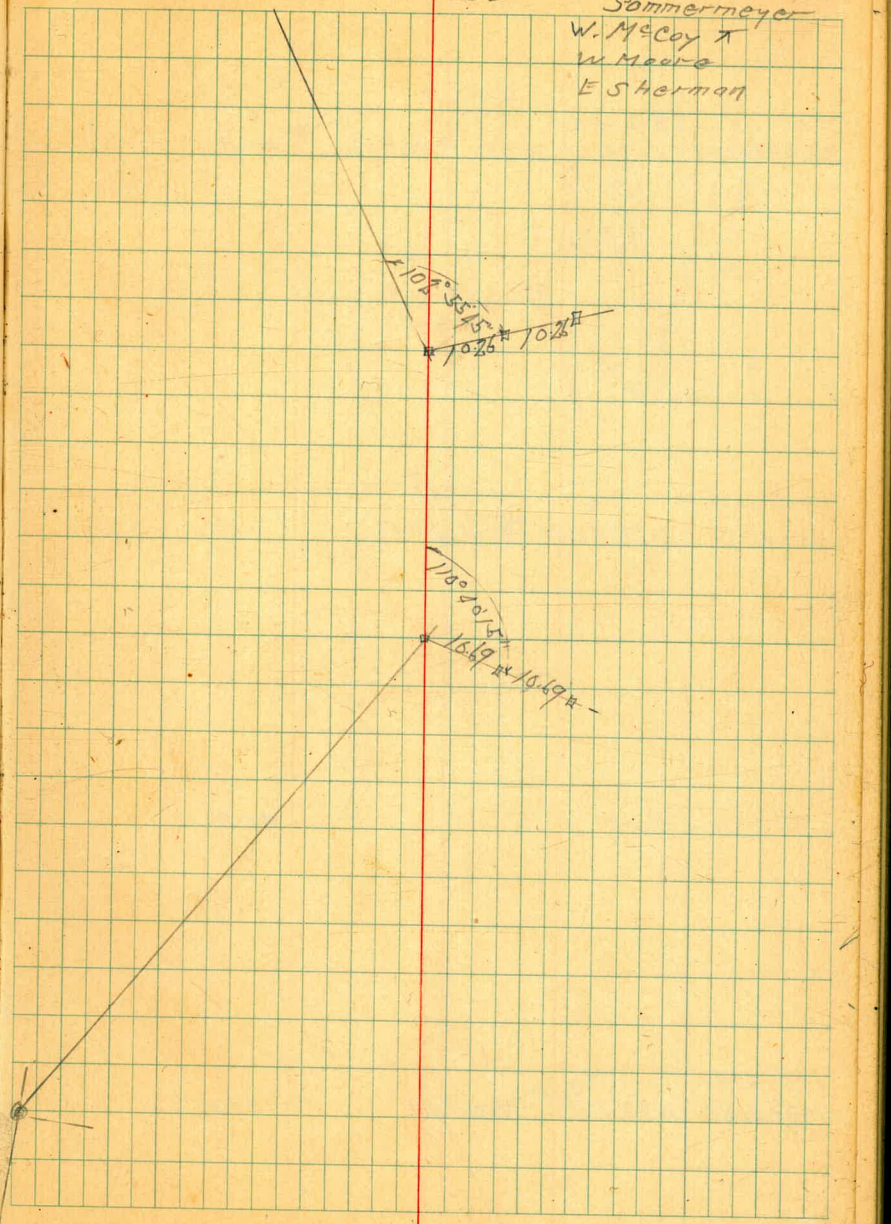
Alignment Mission Valley Trunk Sewer - No 3
East of City Line - As constructed.

		Invert
178 + 28.94	28°-50' Rt.	
178+41.89	M.H #50	39.61
175+86.83	Δ 35°51'30" Lt. MH 49	39.10
173+58.66	Δ 41°20'30" Lt M.H. 48	38.64
169+47.64	Contract Begins	37.80
169+40.73	Existing Man Hole	

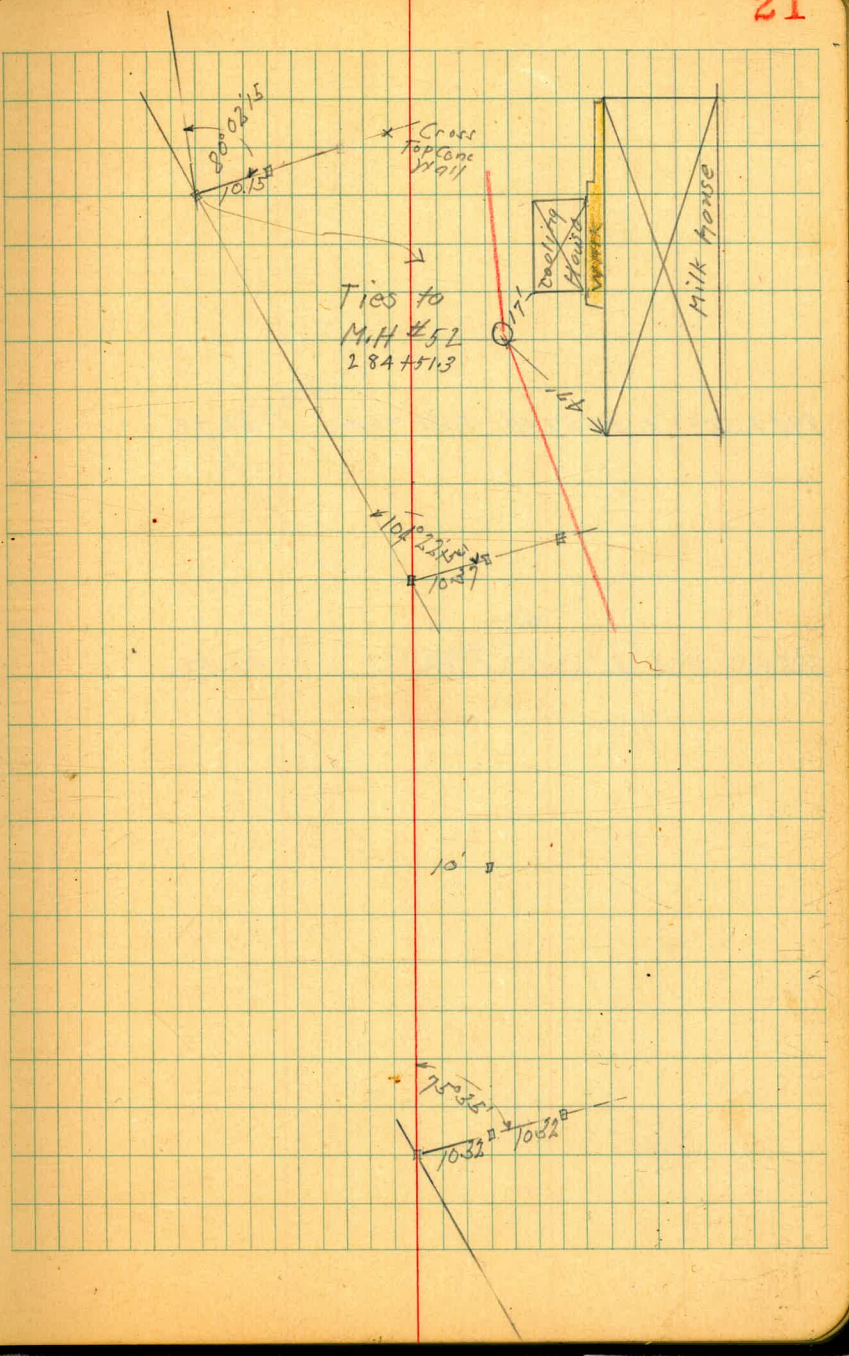
Jan-20-1948 W.O. 60162

20

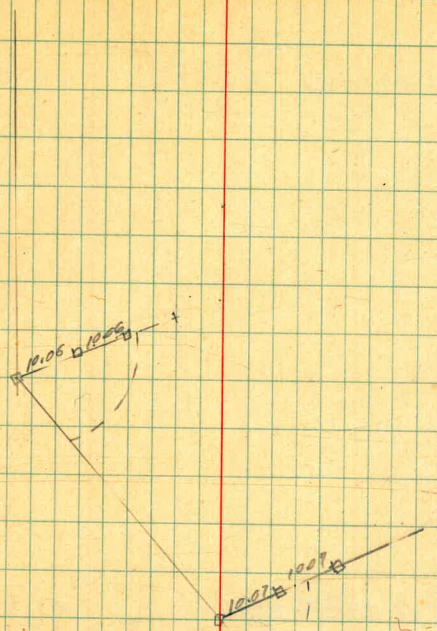
Sommermeyer
W. McCoy
W Moore
E S Herman



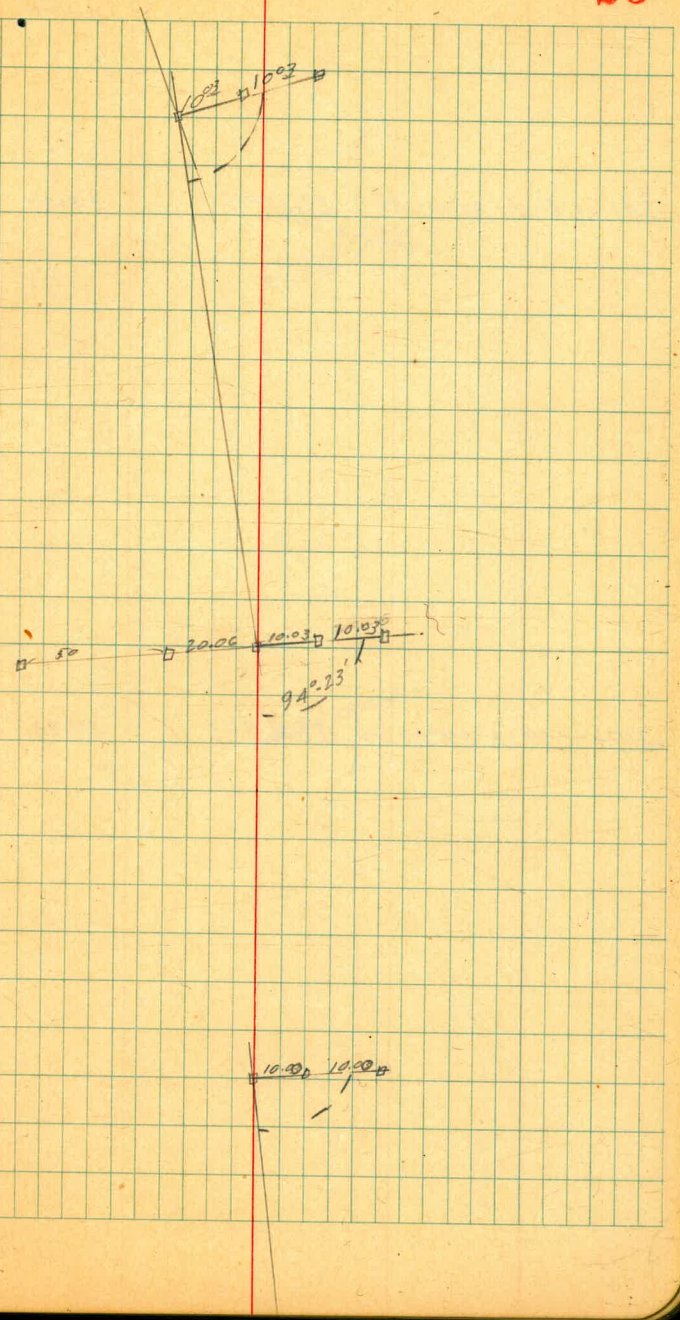
		INVERT
set. at 284+51.3		
284+50.04 =	Δ 19°53'30" Rt. M.H. #52	41.97
279+83.20		
185+42.86 =	Δ 28°11'30" Lt. M.H. #51	41.04
181+80	P.O.T.	40.31
178+28.94		
178+41.89 =	Δ 28°50' Rt. M.H. #50	39.61



			INVERT
294+55	Δ 38°57'	Rt.	M.H. #54 43.98
292+58.35	Δ 41°07'	Lt.	M.H. #53 43.59



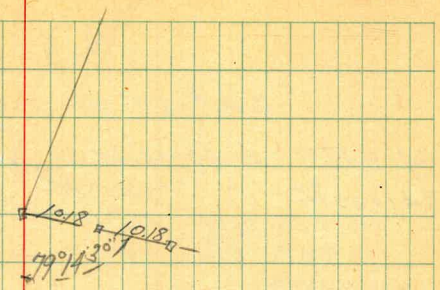
			Invert
312+00 = 310+35.99	Δ 8°45'30" Lt	MH #57	48.41
304+00	Δ 8°46' Lt	MH #56	45.87
299+43.72	Δ 2°12'30" Rt	M.H. #55	44.96

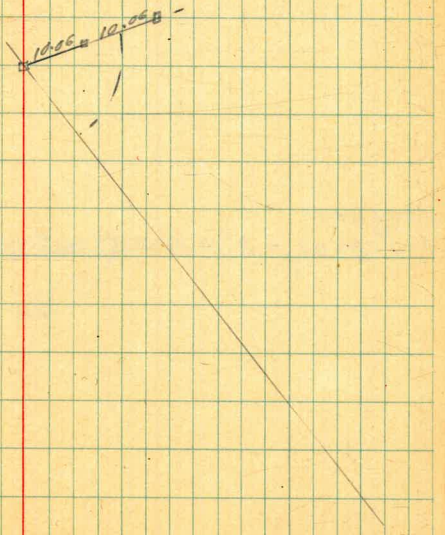


Invert

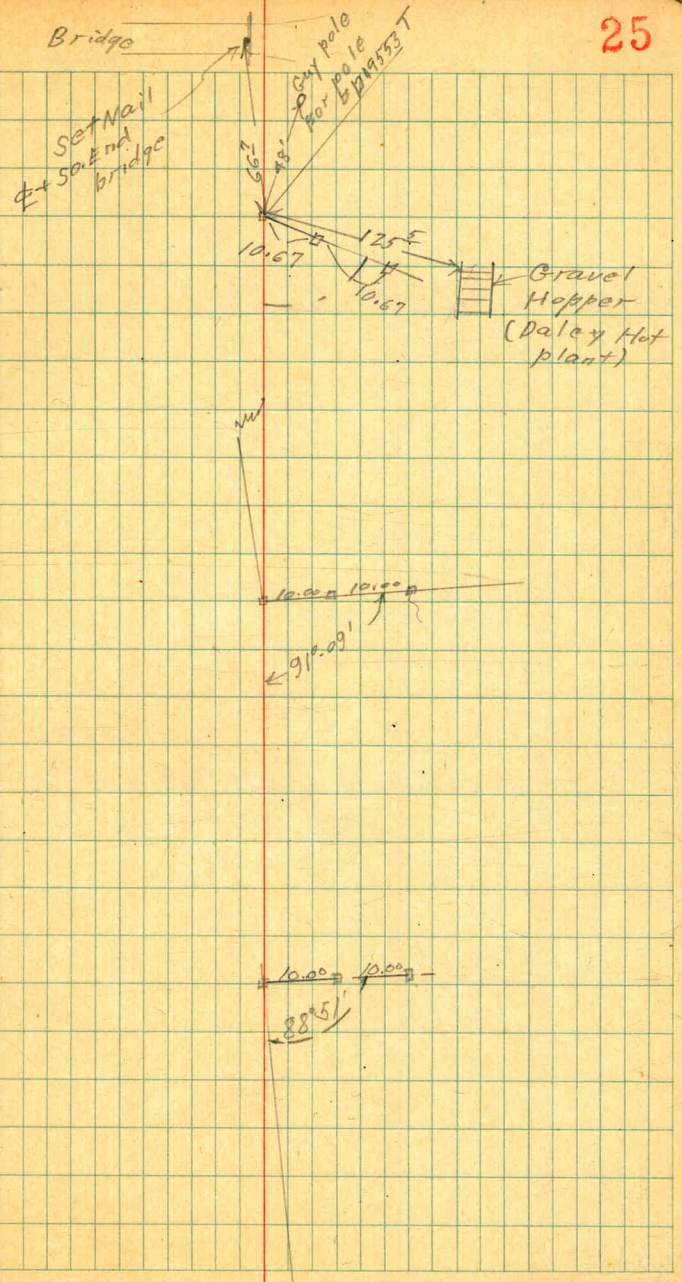
324+15.31 ∠ 21°31' Rt M.H #59 56.47

317+76.87 ∠ 27°22' Rt M.H #58 50.72

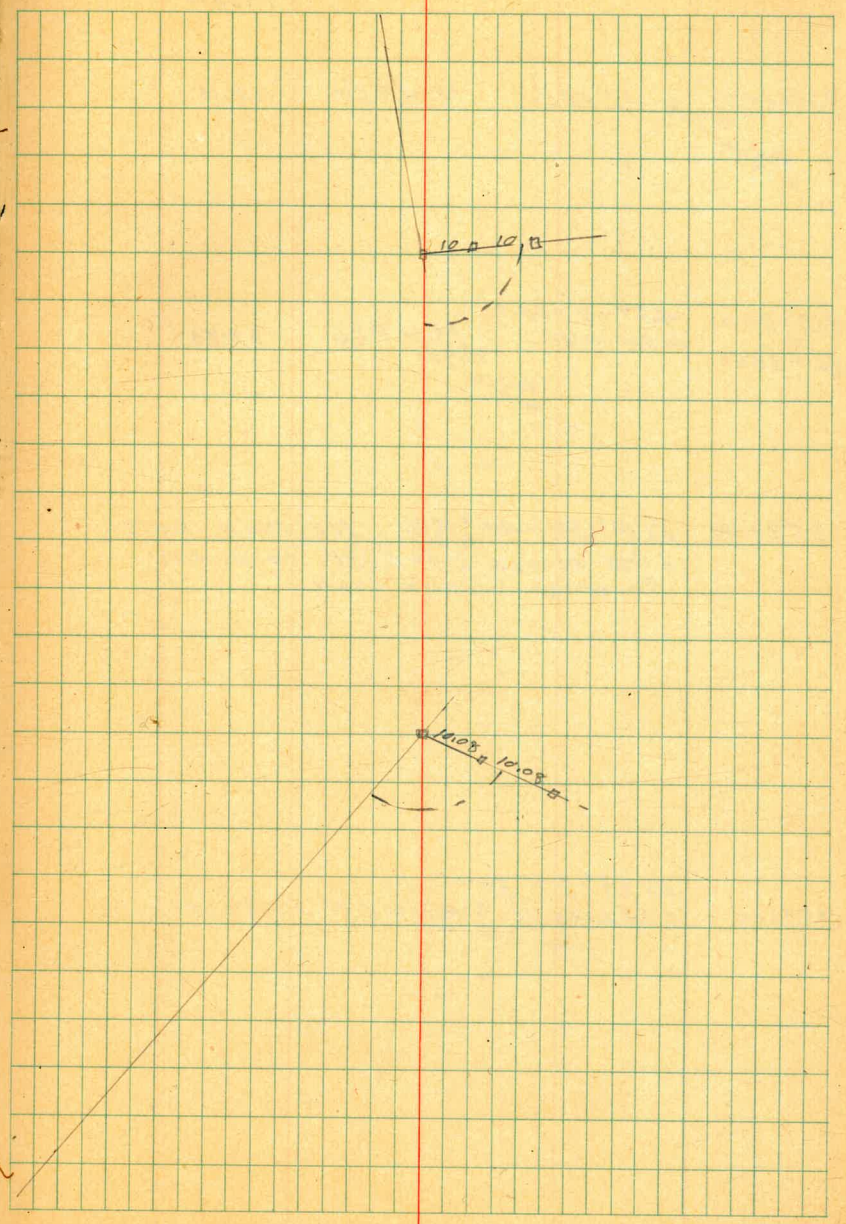




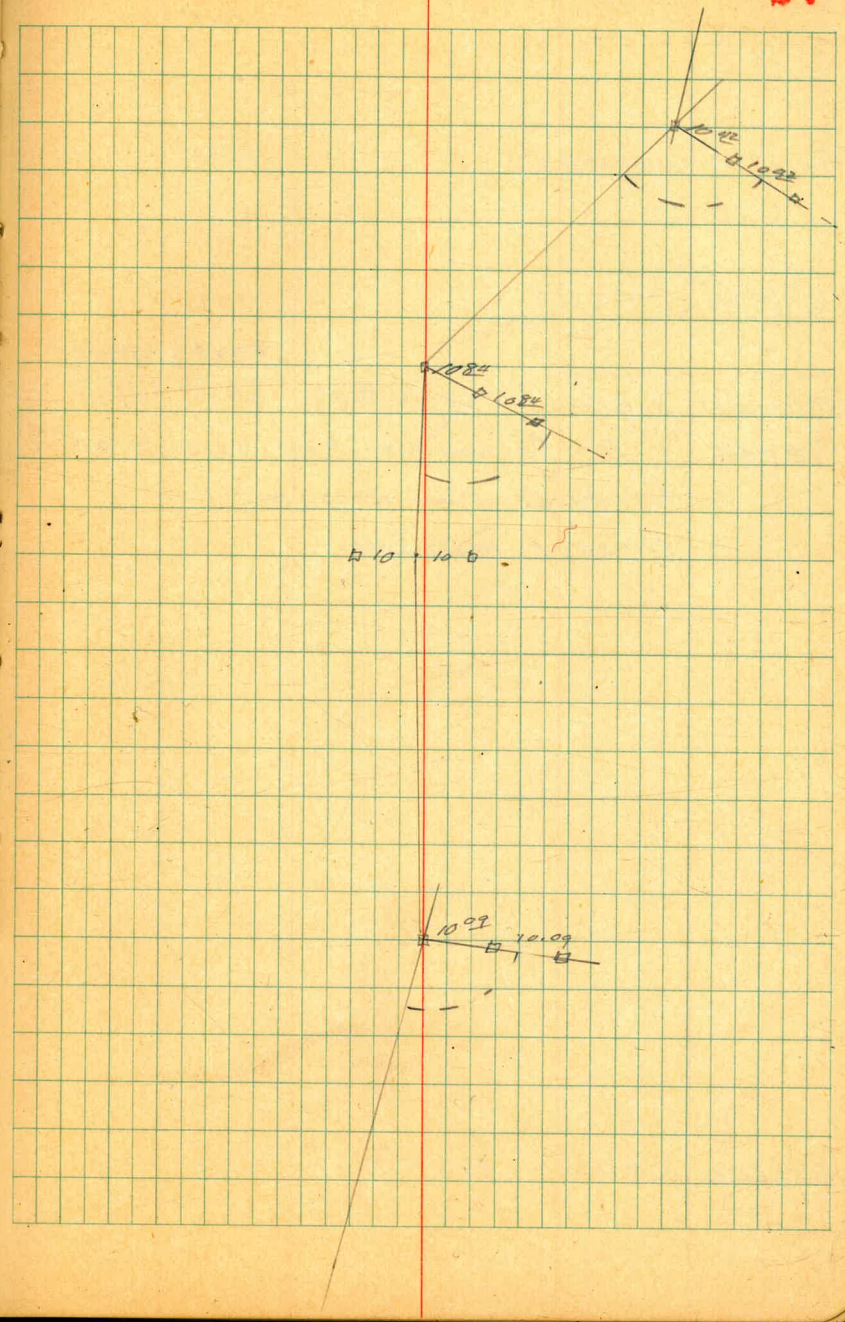
		Invert	
	Δ 40°-57' Rt. M.H.#62		
~~341+32.00~~	~~Δ 39°-25'-30" Rt.~~	63.49	H.head
341+32.82 =		63.36	Back
	M.H.# 61		
~~335+60.00~~	~~0.07~~ Δ 2°-18' Lt.	61.01	
~~329+90.00~~ = 329+80.03	Δ 2°18' Rt. M.H.# 60	58.73	



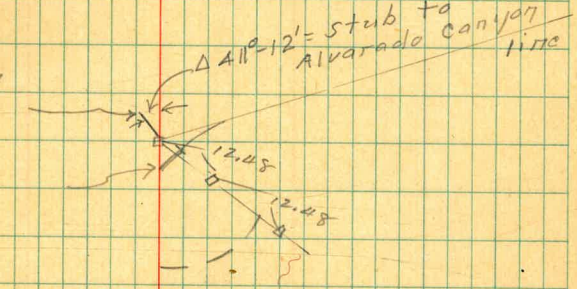
			Invert	
348+96.86	Δ 3°16'30" Lt	M.H. #64	66.55	
			66.04	Ahead
343+86.13 = 343+76.97	Δ 45°51'30" Lt	M.H. #63	65.94	Back
341+32.00				



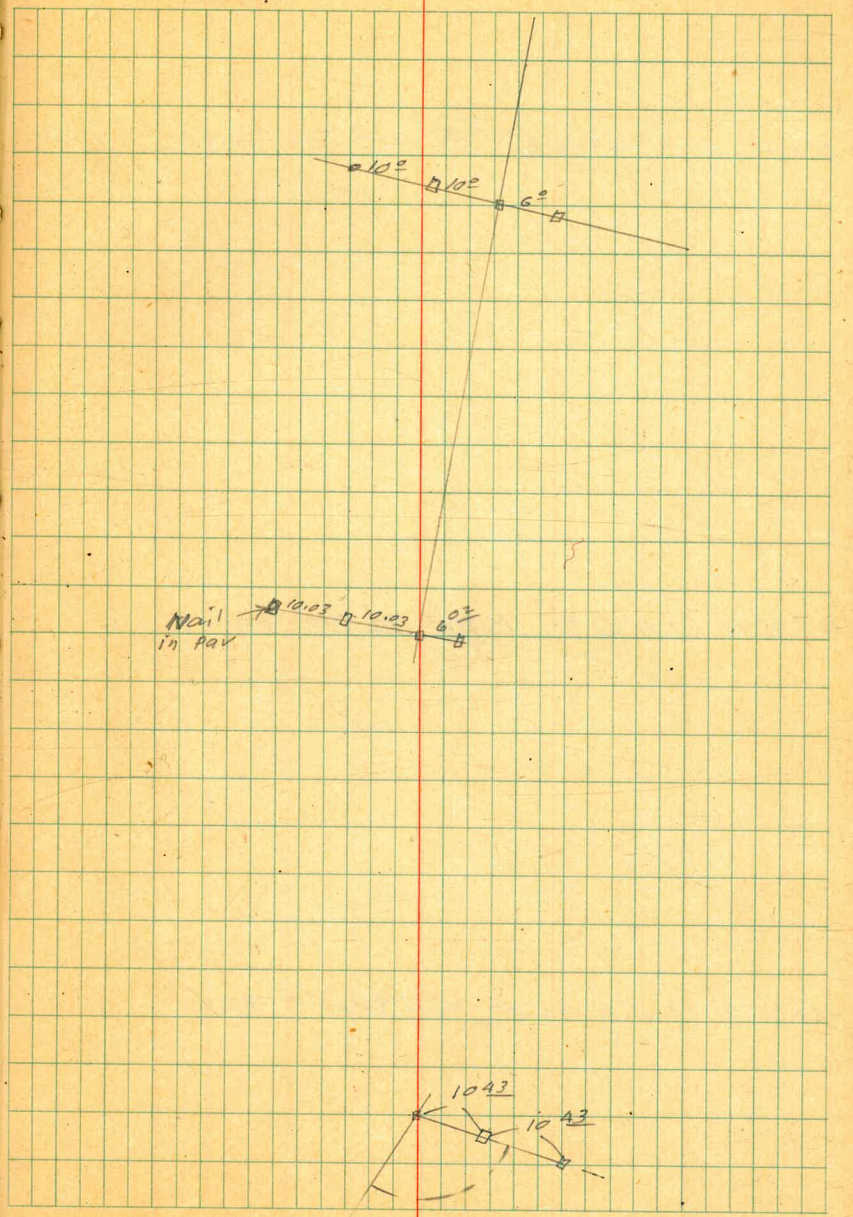
			Invert
365+65.72	Δ 32°38' Lt	M.H. #67	68.13
362+80.00	45°-15'-20"		
~~361+88.10~~	~~Δ 45°-50' Lt~~	M.H. #66	67.84
359+40	Δ 0°-50'-40" Rt. No. man hole. Line moved 2.50 Left. in order to miss water well.		
354+00	Δ 13°-27'-30" ~~Δ 13°-41'-30" Lt~~	MH #65	67.05



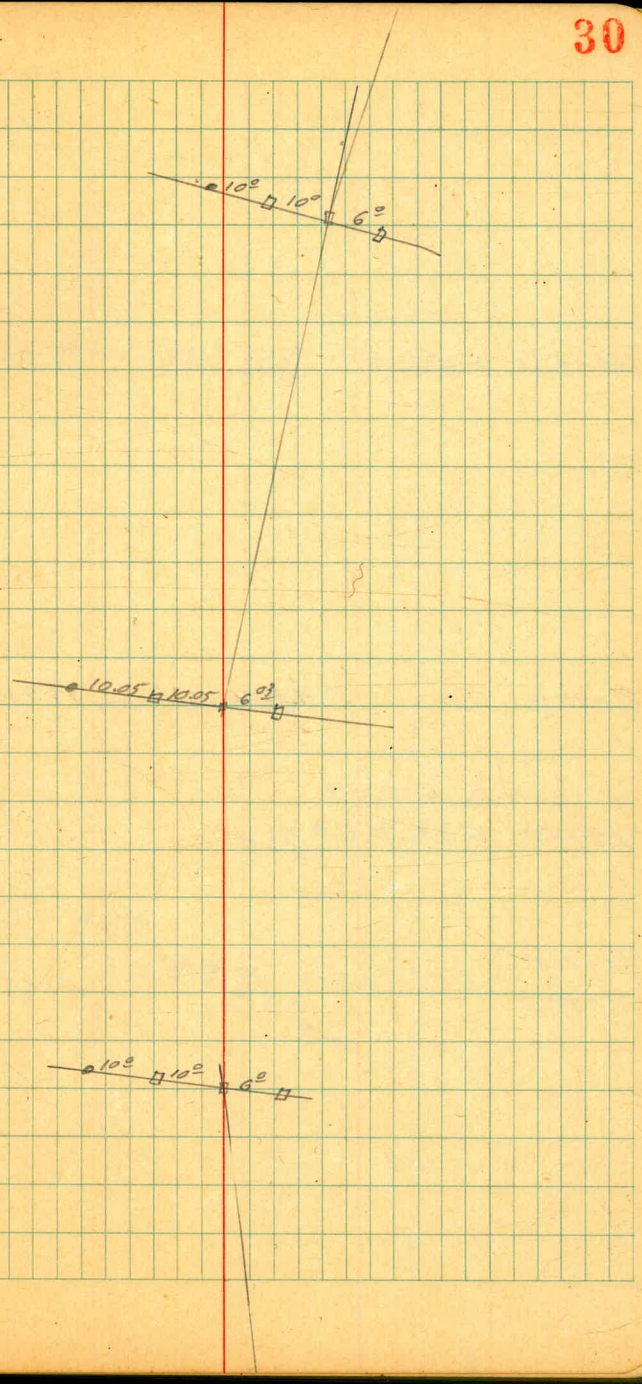
		Invert	
1+20	Δ 33°07'30" Lt.	71.05	
0+00	Fairmount	69.13	AHead
370+50.00	Δ 73°30' Rt M.H. #68	69.10	Back
370+44	"Y" for Fairmount line	69.13	Y to Fairmount.
	Fairmount line does not run through man hole.		
365+65.72	Δ 32°38' Lt M.H #67	68.13	



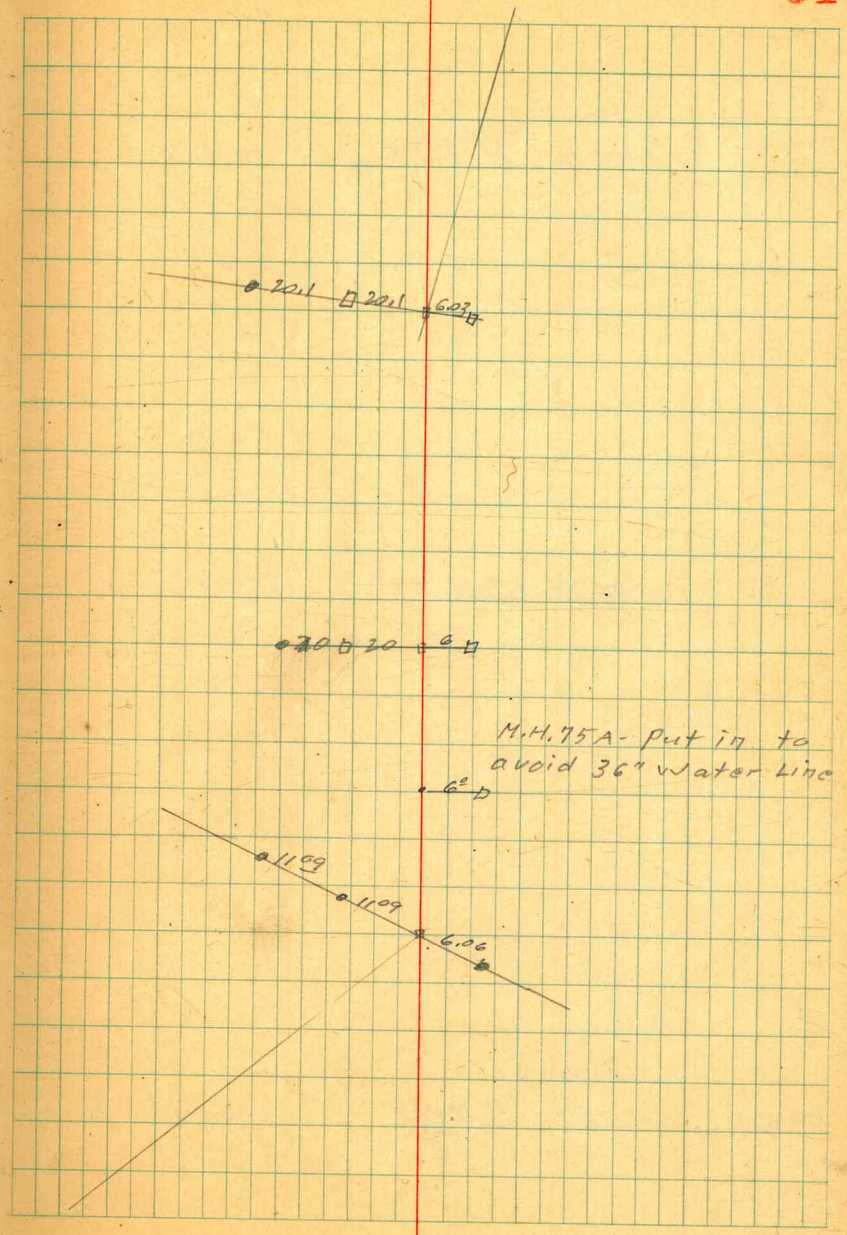
			Invert
10+80 °°	P.O.T.	M.H. # 71	85.77
6+38.54	Δ 9°32' Rt.	M.H. # 70	78.00
1+20 °°	Δ 33°07'30" Lt.	M.H #69	71.05



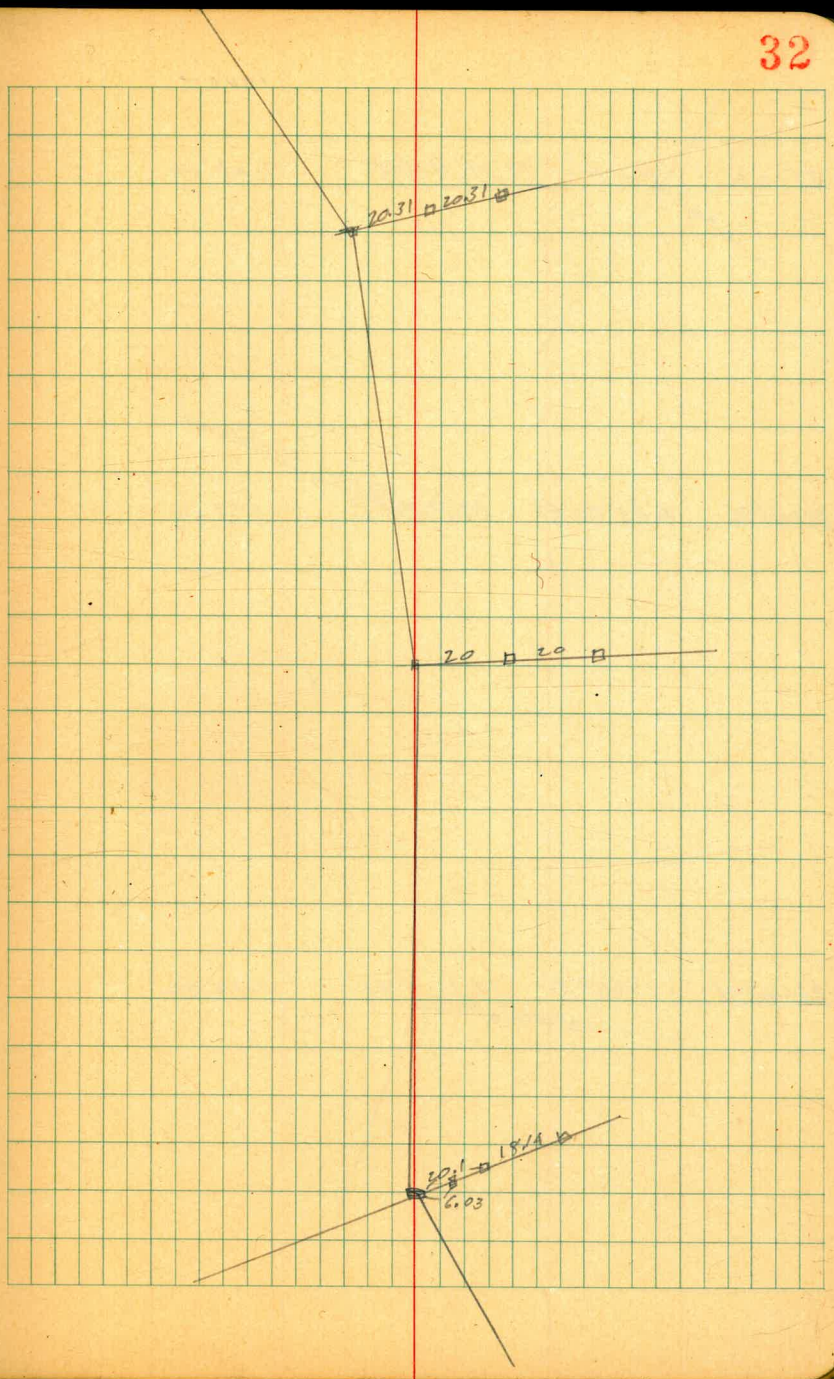
			Invert
24+00	Δ 1°17'30" Rt.	M.H. # 74	111.72
18+98.48	Δ 11°32' Rt.	M.H. # 73	100.69
15+26.79	Δ 4°01'30" Rt.	M.H. # 72	93.63



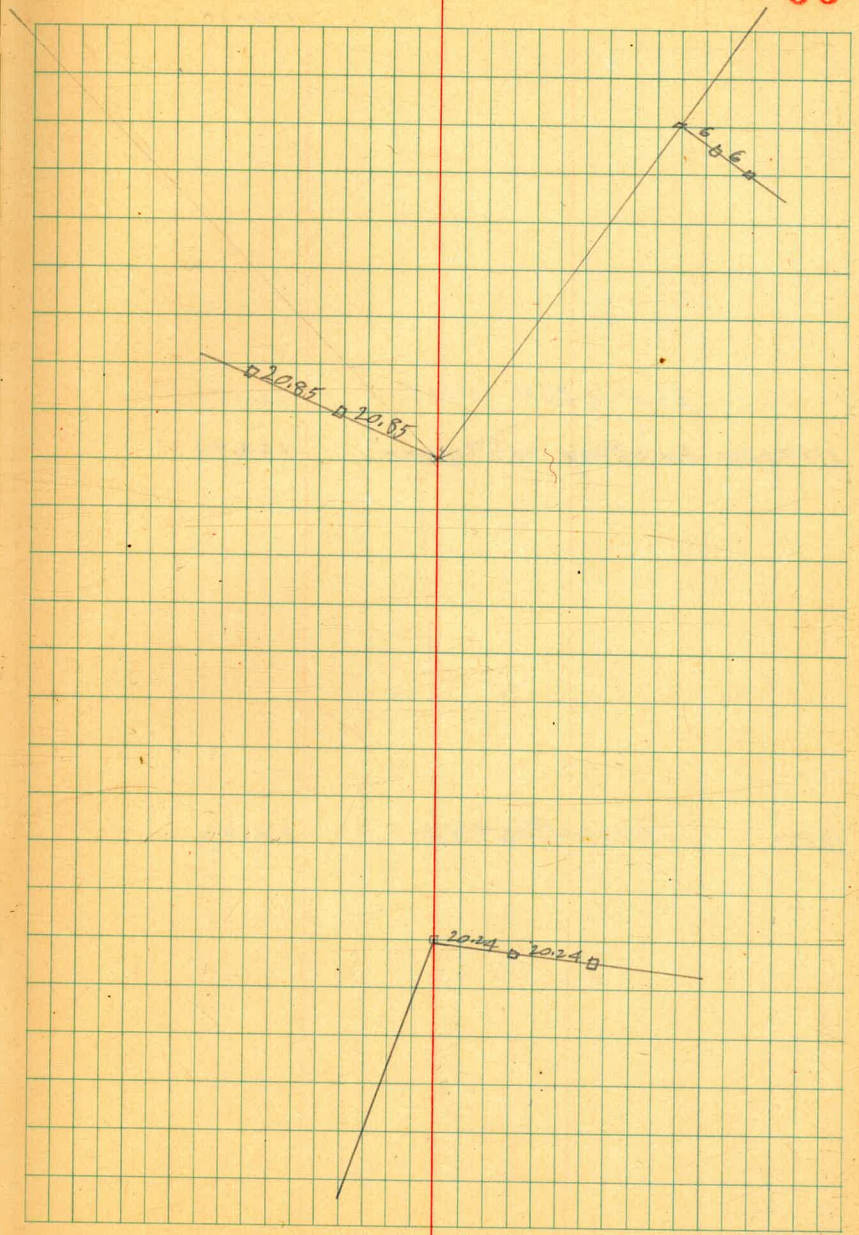
			Invert	
35+44.56	Δ 11°42' Rt.	M.H. # 77	138.83	
31+90.00	P.O.T.	M.H. # 76	127.32	
29+05	P.O.T. M.H. # 75A.		123.05 120.23	Ahead Back
28+41.91 = 28+39.02	Δ 51°15'30" Lt.	M.H. # 75	119.18	



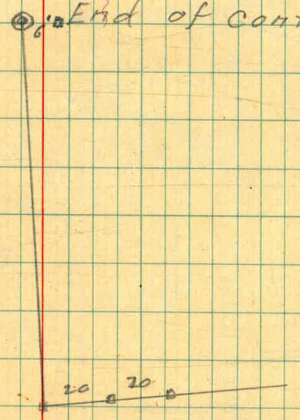
			Invert
20+00 = 1877.36	Δ 19°58' Lt.	M.H. #80	168.85
14+00	Δ 4°04' Lt.	M.H. 79	159.30
3843.80	Δ 11°42 Rt.	M.H. 78	144.09



			Invert
34+00	P.O.T.	M.H. #83	204.89
29+63.96	Δ 23°00' Rt.	M.H. #82	193.12
23+95.96	Δ 17°35' Lt.	M.H. #81	178.92



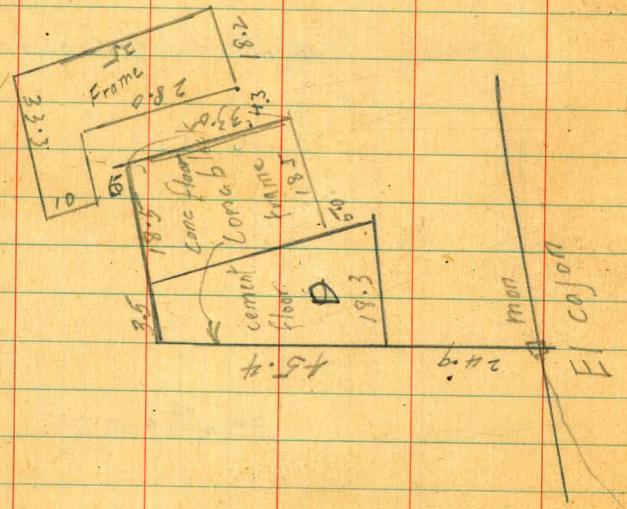
		Invert
	Existing M.H. inlet	227.61
41+86.60	Existing 10" Sewer	224.94
38+00	41°16 Lt M.H.# 84	214.89



Levels for Proposed Sewer & 8' Easement Lots 5 & 10 La Mesa Colony

Begg Sherman Bench

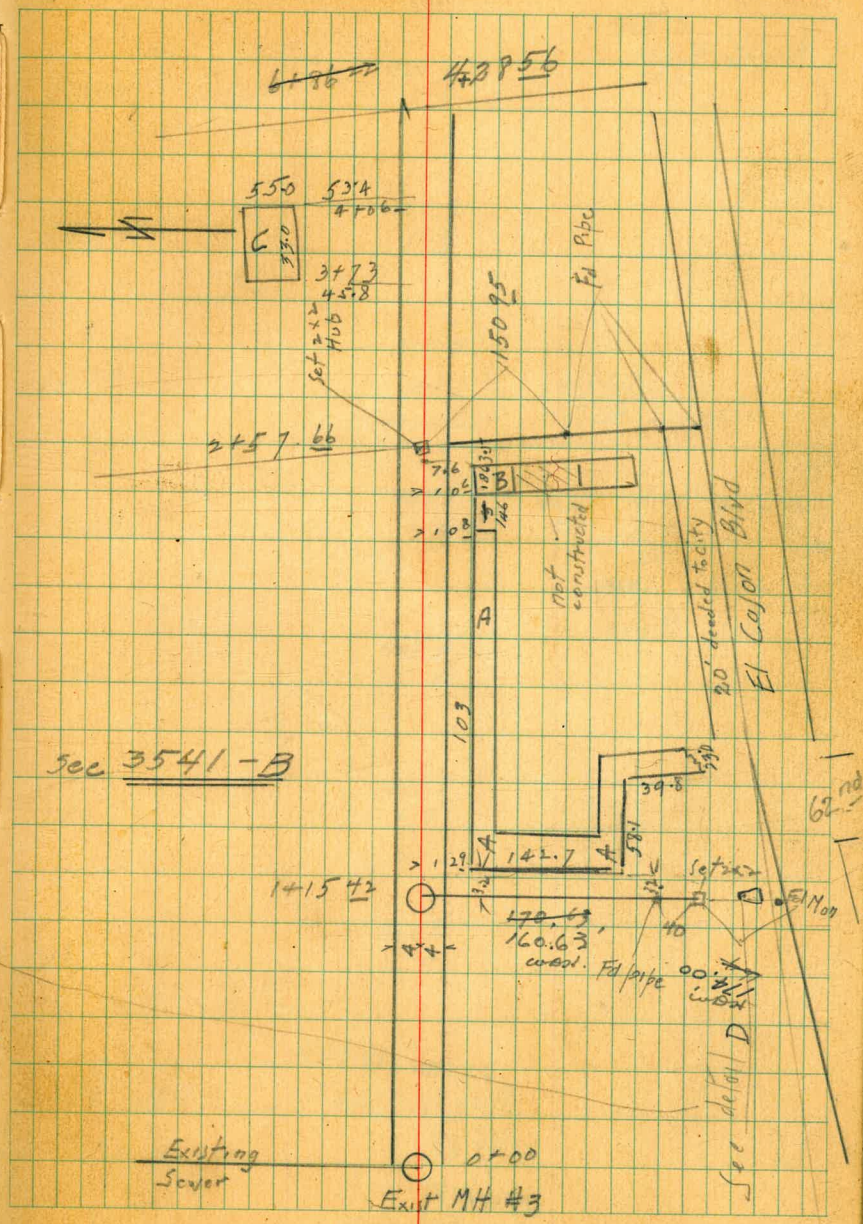
WO 80113



TP	3.17	469.83	3.11	466.66 ✓
	3.50	468.77		465.27 BM
TP	3.16	470.81	1.47	467.65 ✓
	3.85	469.12		465.27 NW BP College & El Cajon

Indexed C.S.K.

35



2+57 — 464.7 / 5.1 — 465.51 / 4.32 Bldg B / conc

2+00 — 464.2 / 5.6

1+50 — 463.9 / 5.9

1+18 — 465.0 / 4.80 / conc floor / 12.9 RT — outlet is located here bldg ft. but not accessible

1+15 +/- — 463.8 / 6.0 — 463.7 / 6.1 / 50 — 464.0 / 5.8 / 100 — 463.6 / 6.2 / 150 — 465.0 / 4.81 / 120 — Bldg F — 463.8 / 6.0 / 210 6.3 — 463.6 / 6.2 / 170 — floor conc

1+00 — 463.4 / 6.4

+50 — 463.3 / 6.5

+15 — 463.8 / 6.0

0+00 MH Rim — 463.99 / 5.84 — 456.23 / 13.60 ft. / 876 d.

469 83 / 472.81

469 83 / 472.81

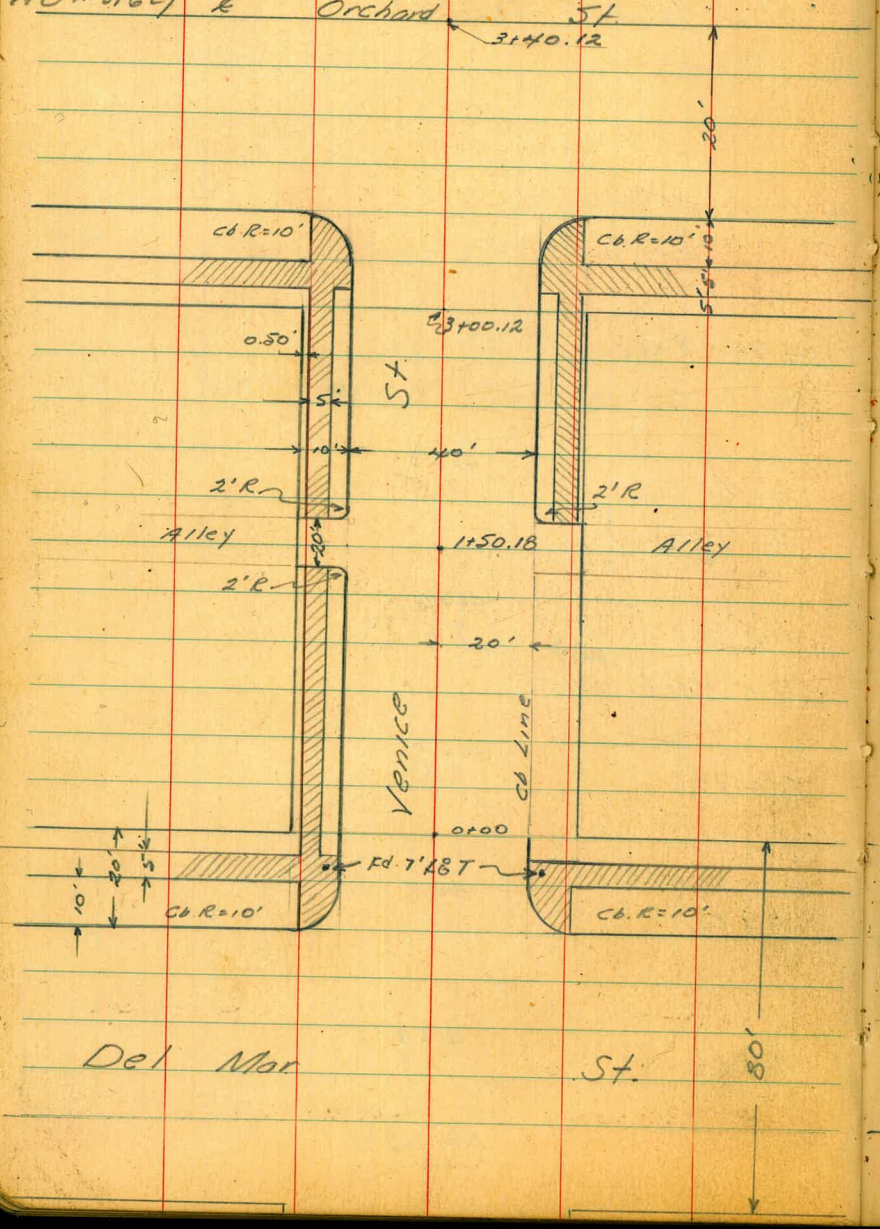
			3.51	466.09	
	4.61	468.60		463.99	MH3 Rim
			4.75	465.62	465.66
T.P.	5.62	470.37	5.08	464.75	04
			5.58	466.58	465.66
TP	6.43	472.16	5.08	465.73	all wtng
		469.83			

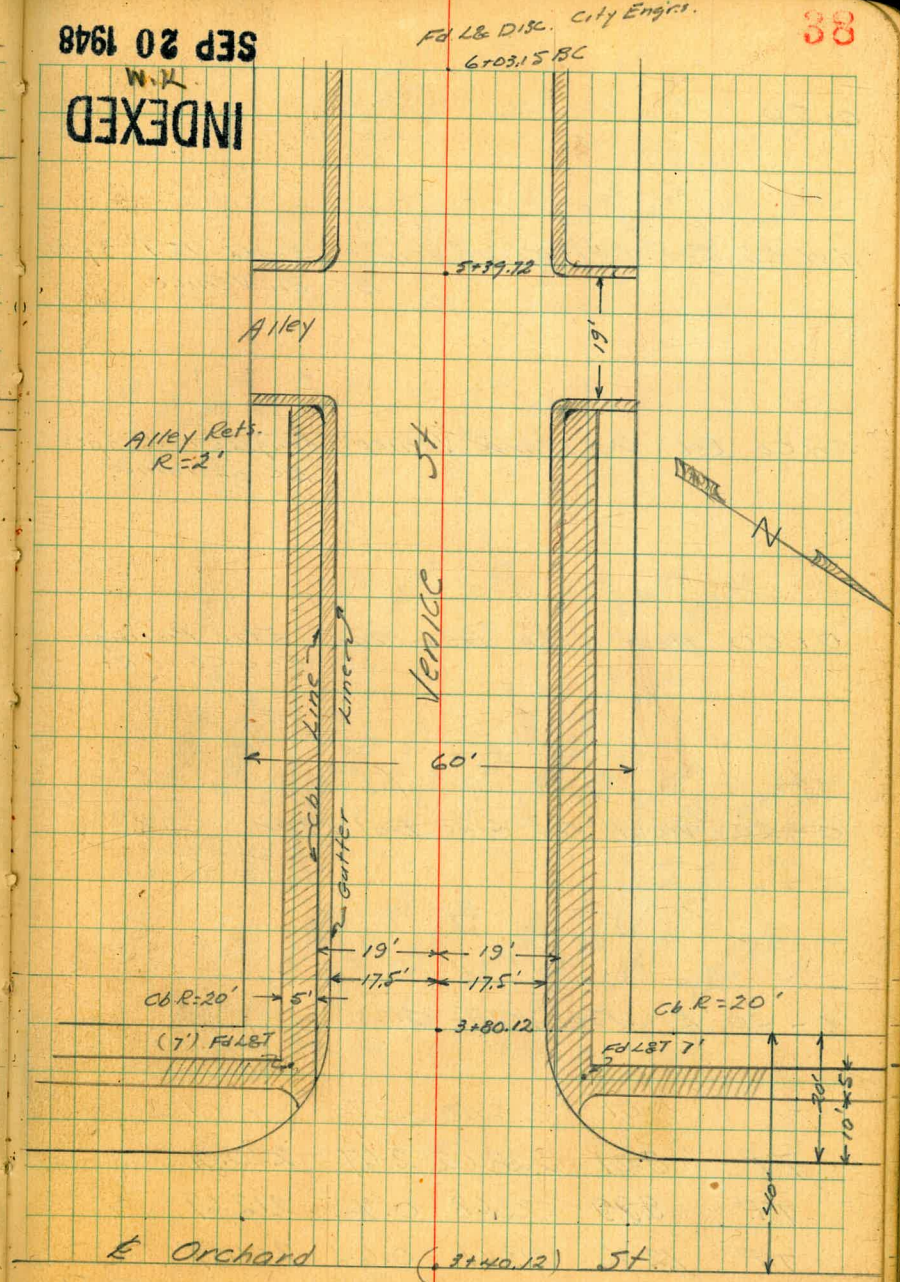
floor level - Bldg. D

634 BP NW

end of line			466.3
4+98	5.6		3.5
4+06			466.6
		469.4	3.2
floor Bldg C		0.4	
3+73			466.0
			3.8
3+50			465.7
			4.1
3+00			467.9
			4.9
		469.83	

9-17-48 X Sect. Venice St.
Hendricks Del Mar to Sly Line Block 75
Roberts Point Loma Hts.
Roret
WO #31629





0+50

NW Cb Ret. Del Mar & Venice Length = 15.9 3 pts.
B.C. on Venice

SW Cb. Ret. Del Mar & Venice Length = 15.6 3 pts.
B.C. on Venice

0+00 West Line Del Mar. Edge Paving
End Cb on Rt

0-20 West Cb. Line Del Mar

0-40 E. Del Mar St.

T.P.	8.01	228.02	2.67	220.01	
TP	9.99	222.68	0.72	212.69	
TP	12.32	213.41	0.64	201.09	
B.M	5.23	201.73			196.50

NW BP Catalina & Orchard

1+60.18 West Line Alley Beg. Cb on Rt.

1+30.2 ℄ MH.

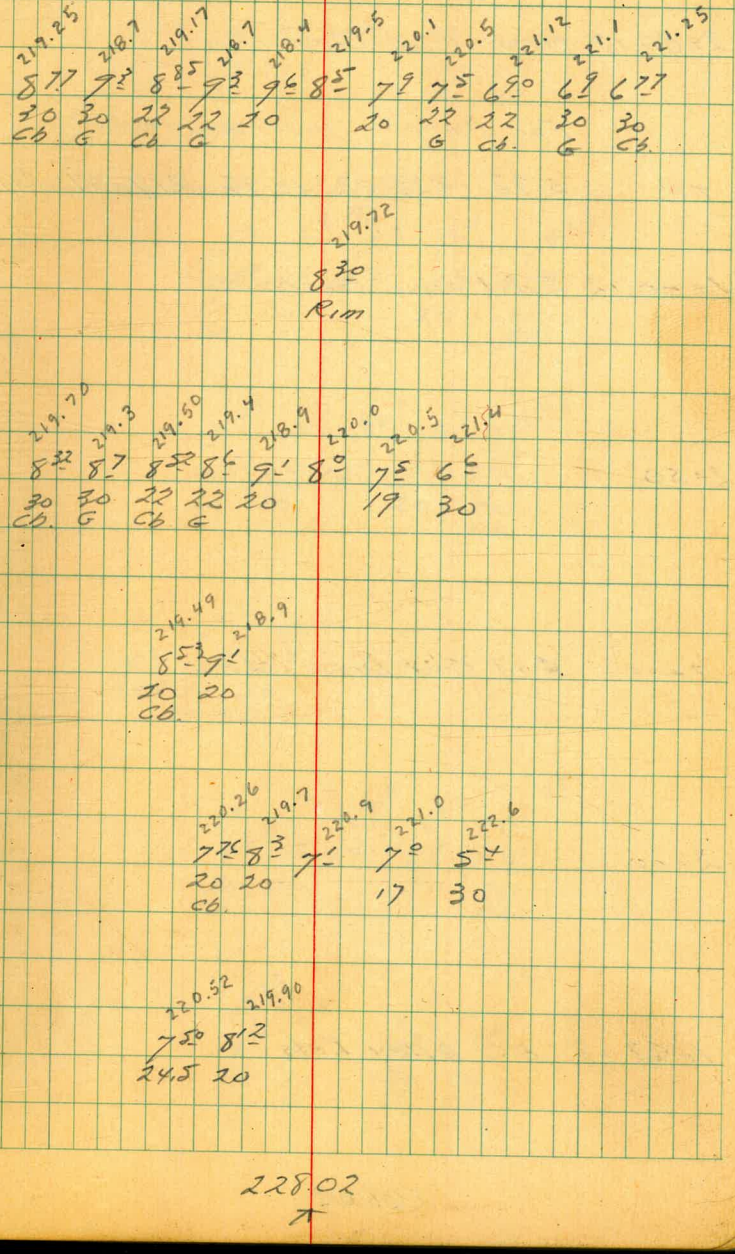
1+40.18 East Line Alley

1+38.18 B.C. Alley Rel. Lt.

1+00

0+88 ℄ 14' Conc. Drive Lt.

228.02



228.02

3+80.12 West Line Orchard

For sections Intersection of Orchard &

TP. 5.95 223.02 10.95 217.07 217.09

2+00.12 East Line Orchard

2+50

2+11 #17 Conc Drive Lt

2+00

1+62.18 EC Alley Rets.

228.02

216.60 216.33 216.1 217.2 217.81 218.06
6.2 6.9 6.8 5.8 5.2 4.6
19 17.5 17.5 17.5 19
Cb E G Cb

Venice see FB 1870

Rim MH Orchard & Venice 223.02

216.53 215.8 217.0 217.4 218.53
11.9 12.2 11.0 10.6 9.9
20 20 20 20
Cb Cb

217.43 216.6 218.0 218.3 219.43
10.5 11.4 10.0 9.7 8.5
20 20 20 20
Cb Cb

218.21 217.54 217.3
8.1 10.8 10.7
24.5 20 20
Drive Dirt

218.37 217.5 218.8 219.3 220.41
6.3 10.5 9.2 8.7 7.6
20 20 20 20
Cb Cb

219.12 218.3 220.1 221.03
8.0 9.7 7.9 6.9
20 20 20 20
Cb G G Cb

228.02

5+39.72 West Gutter Line Alley

5+20.72 East Gutter Line Alley

5+19.22 East CL Line Alley

5+17.22 BC Alley Rets

5+00

+50

4+00

223.02

218.87	218.78	219.2	219.29	219.37	
4 1.5	4 2.4	3 8	3 7.2	3 6.5	
30	21		21	30	
G	G		G	G	
218.47	218.39		218.86	219.04	
4 5.2	4 6.3		4 1.6	3 9.8	
30	21		21	30	
G	G		G	G	
218.74	218.70	218.8	219.15	219.28	
4 2.8	4 3.2	4 2	3 8.7	3 7.4	
30	21		21	30	
CB.	CB		CB	CB	
218.67	218.39		218.89	219.14	
4 3.5	4 6.3		4 1.3	3 8.8	
19	17.5		17.5	19	
			G	CB	
218.42	218.16	218.5	218.77	219.04	
4 6.0	4 8.6	4 5	4 2.5	3 9.8	
19	17.5		17.5	19	
CB	G		G	CB	
217.81	217.52	217.3	217.9	218.36	218.63
5 2.1	5 5.0	5 5.7	5 1	4 6.6	4 3.9
19	17.5	17.5		17.5	19
CB	G				
217.14	216.78	216.6	217.5	217.97	218.22
5 5.8	6 2.4	6 4	5 5	5 0.5	4 8.0
19	17.5	17.5		17.5	19
CB	G			G	CB

22302

595 217.07 217.09

6+03.15 B.C.

5+43.22 E.C. Alley Rets. Beg. Asp Paving

5+41.22 West C.b. Line Alley

223.02

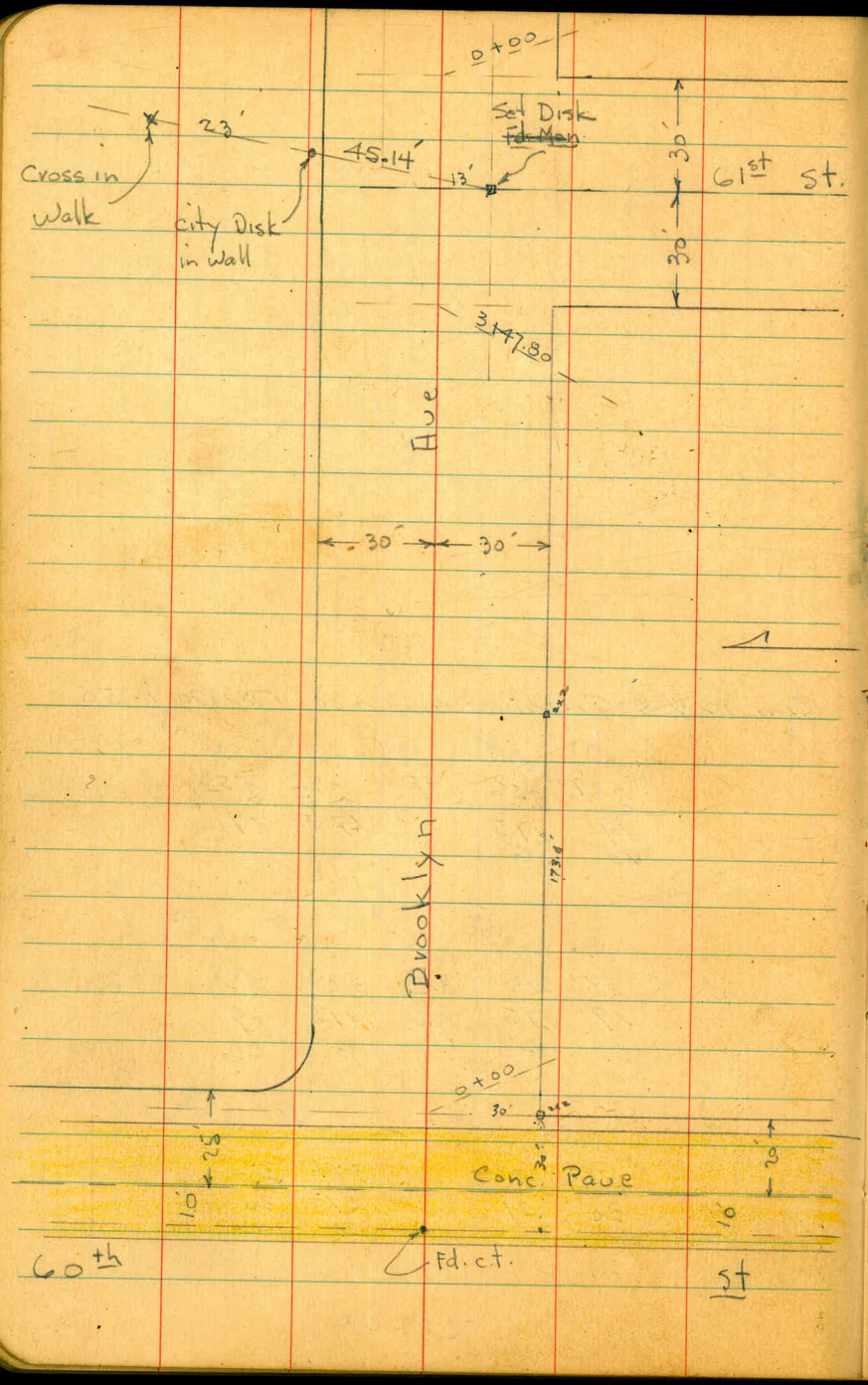
Rim 17H & Orchard & Venice FB 1870 P-50

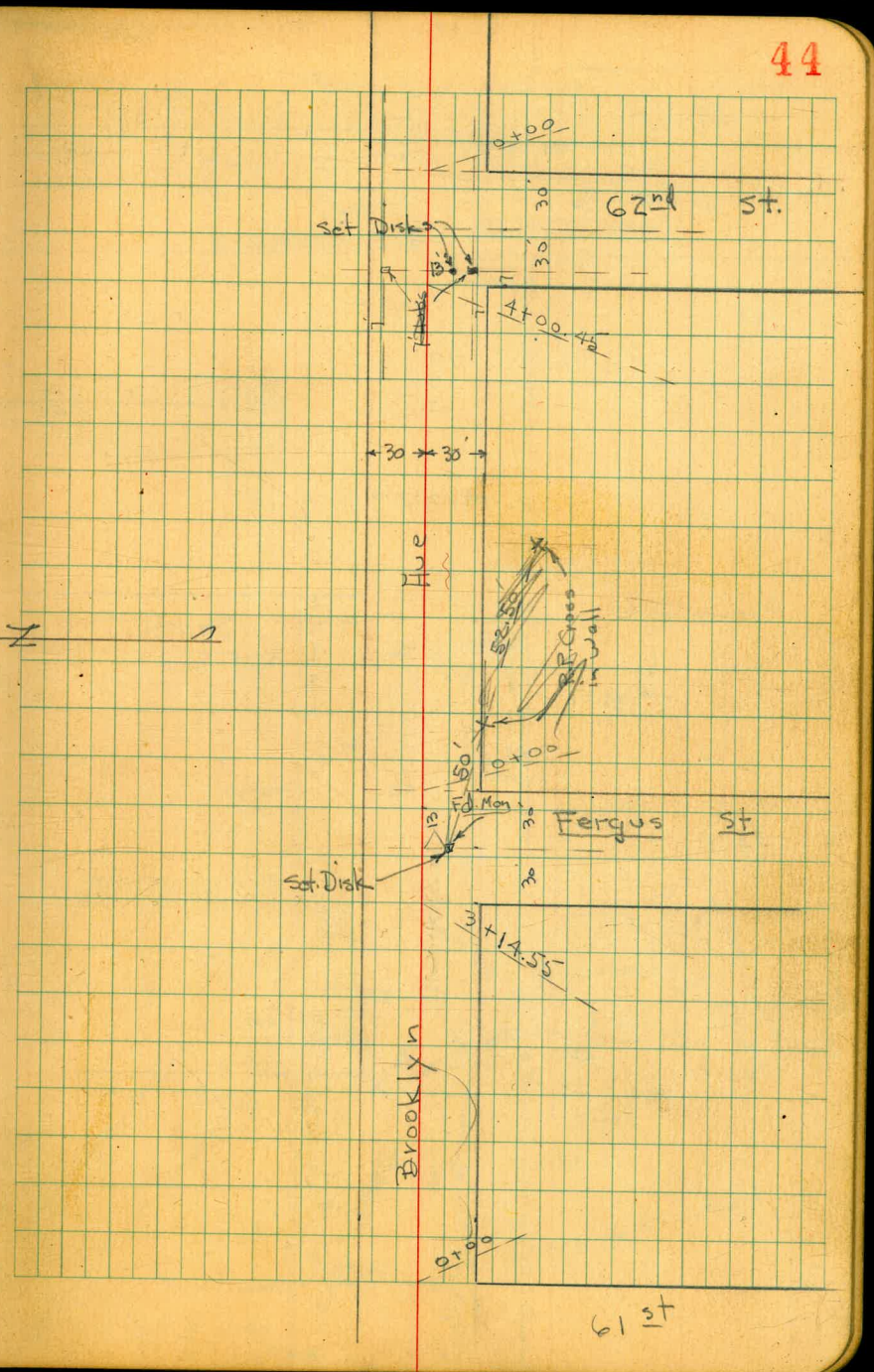
219.73	219.46	220.07	220.20	220.44
229	356	295	282	258
19	17.5		17.5	19
Cb.	G			

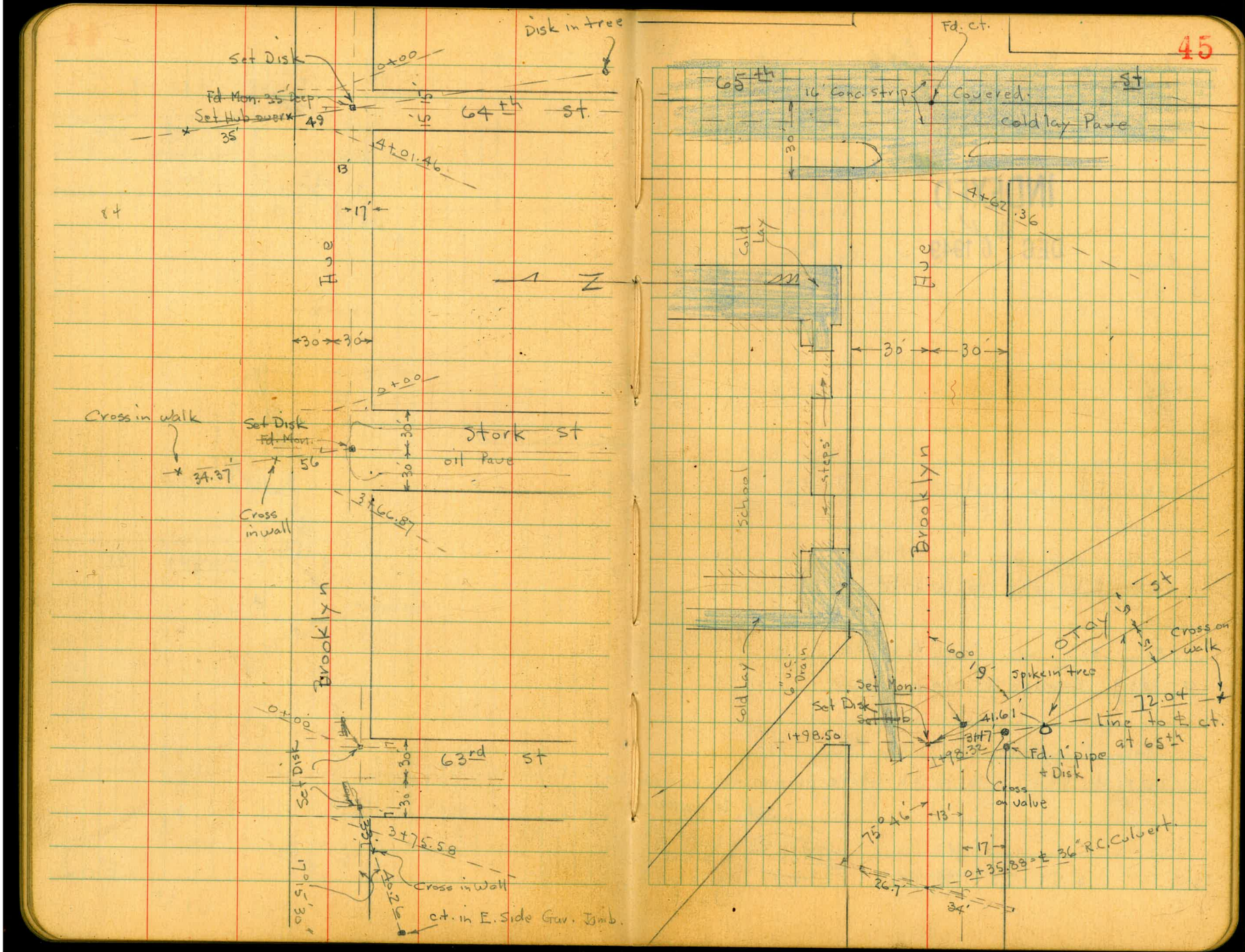
219.08	218.80	219.26	219.28	219.54
394	422	376	324	348
19	17.5	Pav.	17.5	19
Cb	G		G	Cb.

219.12	219.08	219.56	219.62
390	384	346	340
30	21	21	30
		Cb.	Cb.

223.02


0+00
Set Disk
Fd Mon
23'
45.14'
13'
30'
61st St.
Cross in Walk
City Disk in Wall
20'
3+47.80
Hue
30'
30'
Brooklyn
0+00
30'
Conc. Pave
25'
10'
3'
3'
10'
60th
Fd. c.t.
St


62nd St.
0+00
Set Disk
30'
30'
4+00
30'
30'
Hue
Jail
0+00
50'
Fd Mon
Fergus St
Set Disk
1+45.51
Brooklyn
0+00
61st


Disk in tree
Set Disk
Fd. Mon. 35' Deep
Set Hub overx
35
49
0+00
64th st.
4+01.46
13'
17'
Hue
30'
30'
0+00
Cross in walk
Set Disk
Fd. Mon.
34.37'
56'
Stork st
oil Pave
30'
30'
3+66.87
Cross in wall
Brooklyn
0+00
Set Disk
63rd st
30'
30'
3+75.58
Cross in wall
0+26.5
ct. in E. Side Gut. Inlb.
Fd. ct.
65th st
16' Conc. strip
Covered
Cold lay Pave
30'
4+62
.36
Cold Lay
Hue
30'
30'
School
steps
Brooklyn
60'
Cold Lay
6" U.C. Drain
Set Mon.
Set Disk
Set Hub
1+98.50
41.61
3447
1+98.32
spike in tree
Fd. 1" pipe
+ Disk
Cross on value
12.04
Line to ℄ ct. at 65th
Cross on walk
5th
0+46
13'
17'
0+35.89 ± 36" R.C. Culvert.
26.7'
34'

X-Sect. Brooklyn Ave. 60th ± to 65th ±

4102

W.O. 31337

11-28-49

Osborne
Hardin
Hatch
Shepherd

INDEXED
W.K.
DEC 6 1949

0+55'

0+45'

0+05' = E.L. to North

0+00 = E.L. 60th to South.

0-03.9 = E. edge of Conc. pave

0-20 = ℄ 60th ± (To South - Note pave is not in center)

B.M. 5.51 239.98 ✓

Corrected to agree

~~234.53~~ ℄ Brooklyn
~~234.47~~ +W. 10' 60th ±
Ld + ct.

Lt. ℄ Rt.

Note: check B.M.'s at 63rd ± Brooklyn (63rd st. Sections) Before Reducing

Lt.									
233.1	232.8	232.3	231.6	231.8	231.1	231.7	232.1	232.3	
6.9	7.2	7.7	8.4	8.2	8.9	8.3	7.9	7.7	
40	30	13	11		18	20	30	40	
235.4	235.0	234.1	233.0	232.1	232.2	231.4	232.0	232.8	232.7
4.6	5.0	5.3	7.0	7.9	7.8	8.6	8.0	7.2	7.3
40	30	24	17	11		18	20	30	40
236.5	235.6	234.7		234.1	233.6	233.1	234.1	233.7	
3.5	4.4	5.3		5.9	6.4	6.9	5.9	6.3	
40	30	15			15	25	30	40	
	235.8	234.9		234.4	233.8	233.2		233.1	
	4.2	5.1		5.6	6.2	6.8		6.9	
	30	15			15	30		40	
240.06	235.85	235.13		234.57	233.94	233.38		231.43	
+0.02	4.19	4.91		5.47	6.10	6.66		8.61	
80	30	15			15	30		80	
240.12	235.94	235.27		234.73	234.13	233.57		231.71	
+0.08	4.10	4.77		5.31	5.91	6.47		8.33	
80	30	15			15	30		80	

with B.M. @ 63rd ± Brook/yn 240.04
239.98

Brooklyn

1' E. - 21.9' Rt. = ℄ P. pole # J.P. 171 035

3+47.80 = W.L. 61st St. = along wly. of Dirt Dr.

2+00

2+55 - 30.3' Lt. = ℄ 6.6' Drive - 2 - 2' Conc. Strips

2+50

T.P. 11.69 242.87 8.80 231.18 ✓ ✓

2+00

1+95 - 21.4' Rt. = ℄ P. pole # P 171034

1+62 = 11.6' Lt. ℄ of 10' A.C. Drive

1+40

1+00

0+75 - 21.6' Rt. = ℄ P. pole # J.P. 78725

Lt. ℄ Rt.

237.9	236.3	234.5	234.2	233.5	232.9	229.7
5.0	6.6	8.4	8.7	9.4	10.0	13.2
50 Dr.	30	15		15	30	80

233.9	233.0	231.6	231.5	230.9	230.5	229.9
9.0	9.9	11.3	11.4	12.0	12.4	13.0
40	30	15		15	30	40

231.71	231.29
11.22	11.64
50 Dr.	30.3 Dr.

231.4	230.5	229.9	229.7	229.1	228.0	227.2
11.5	12.4	13.0	13.2	13.8	14.9	15.7
40	30	15		15	30	40

93
242.80

231.1	229.6	229.3	229.0	228.4	226.9	226.0
8.9	10.4	10.7	11.0	11.6	13.1	14.0
40	30	15		15	30	40

231.14	230.3	229.17	228.7	228.2	227.0	226.6
8.90	9.73	10.87	11.3	11.8	13.0	13.4
50 Dr.	30 Dr.	11.6 Dr.		15	30	40

229.7	229.6	229.1	229.0	228.5	227.2	226.9
10.3	10.4	10.9	11.0	11.5	12.8	13.1
40	30	15		15	30	40

230.4	230.1	229.9	229.8	229.2	229.2	229.4
9.6	9.9	10.1	10.2	10.8	10.8	10.6
40	30	15		15	30	40

240.04
~~239.98~~

Brooklyn

1+65 - 30' Lt. = Beg. Picket fence

1+50 = Wly. of Dirt Dr. on Lt.

1+25'

1+06 - 22.7' Rt. = ℄ P. pole # J.P. 171044

1+00

0+75'

0+63 - 22.9' Lt. = E P. pole # 277618

0+50

0+09 - 30.7' Lt. = end wall

60' E. = E.L. 61st = 0+00 ahead.

30' E. = ℄ 61st to S. - Dirt Graded.

25' E. - 32' Lt. = Beg. 10" Conc. wall

Lt. ℄ Rt

244.0	242.9	241.7	240.8	240.5	239.8	238.8	238.1
+1.1	0.0	1.2	2.1	2.4	3.1	4.1	4.8
40	30 Dr.	19 Dr.	13		15	30	40

244.2	242.9	242.2	241.1	240.9	240.2	240.3	239.6
+1.3	0.0	0.7	1.8	2.0	2.7	2.6	3.3
40	30	19	12		15	30	40

243.2	242.3	242.0	241.2	240.9	240.4	240.3	239.8
+0.3	0.6	0.9	1.7	2.0	2.5	2.6	3.1
40	30	20	14		15	30	40

242.8	242.2	241.5	240.7	240.4	239.9	240.6	239.5
0.1	0.7	1.4	2.2	2.5	3.0	2.3	3.4
40	30	20	15		15	30	40

241.1	241.6	240.7	239.6	239.5	238.8	239.1	238.5
0.8	1.3	2.2	3.3	3.4	4.1	3.8	4.4
40	30	18	15		15	30	40

242.27 239.9
0.66 3.0
30.7 30.7 = ground
Top wall

239.6	239.6	238.9	237.4	237.3	236.4	236.1	232.5
3.3	3.3	4.0	5.5	5.6	6.5	6.8	10.4
31.1	30	23	15		15	30	80
along wall							

238.9	238.6	237.5	236.1	235.7	234.9	233.8	230.4
4.0	4.3	5.4	6.8	7.2	8.0	9.1	12.5
31.8	30	22	15		15	30	80
along wall							

0.69 42 83
32 32
Top wall ground 242.87

T.P. 10.60 258.13 2.10 247.53

walk on diag. to House

also- 298' Rt. = Beg. Nly. of Conc. wall + Cor. of Conc. walk on Lt.

60' E. = E.L. Fergus = 0+00 ahead. = Wly of 2.5' Conc

30' E. = ℄ - 21.5' Lt. = ℄ 18" Pepper

3+14.55 = W.L. Fergus to S. . Rough Graded.

3+14.± 23.4' Rt. = ℄ P.pole J.P. 171046

3+04 - 20.7' Lt. = ℄ 14" Pepper

2+70

2+64 - 21.8' Lt. = ℄ 12" Pepper

2+49 - 29.7' Lt. = ℄ 4.5' Conc walk

2+43 - 20.6' Lt = ℄ 14" Pepper

2+35'.

2+11 - 23.6' Rt = ℄ P.pole # J.P. 171045 ✓

T.P.	9.59	249.62	2.83	240.04 ✓	- Nail in Pole # JP 171045
				40.10	

2+00 = Wly. of Dirt Dr. on Lt.

1+96 - 30.2' Lt. = end fence.

1+78 - 30.3' Lt. = ℄ 3' Conc. walk

Lt. ℄ Rt. 49

250.45 249.74 249.1 247.0 246.6 246.0 245.4 245.74 245.25 242.2

+0.76 +0.05 0.6 2.7 3.1 3.7 4.3 3.95 4.44 7.5

40 30.3 30 10 15 298 298 30.4= 80

Wly. of walk walk ground Top wall Cor. N.E. walk cor.

250.7 248.1 247.2 245.0 245.1 244.9 244.3 241.4

+1.0 1.6 2.5 4.7 4.6 4.8 5.4 8.3

40 30 27 11 15 30 80

248.3 246.0 244.1 243.6 243.6 243.2 243.4 240.6

1.4 3.7 5.6 6.1 6.1 6.5 6.3 9.1

40 30 14 11 15 30 80

244.5 243.3 242.5 241.8 241.9 241.2 240.1 239.3

5.2 6.4 7.2 7.9 7.8 8.5 9.6 10.4

40 30 15 12 15 30 40

245.62 244.11

4.07 5.58

50.5 at Porch 29.7 = walk

244.0 242.6 241.7 241.3 241.0 240.3 239.3 238.4

5.7 7.1 8.0 8.4 8.7 9.4 10.4 11.3

40 30 16 13 15 30 40

249.69 ~~69~~

242.2 241.9 241.3 240.7 240.3 239.6 238.7 238.1

0.7 1.0 1.6 2.2 2.6 3.3 4.2 4.8

40 30 20 13 15 30 40

244.23 242.88

+1.30 0.05

53 at Porch 30.3 walk 242.~~87~~ 93

Brooklyn

13' Conc. Dr. to Sing Gar Conc. floor

1+42 – 12.5' Lt. = 5ly. ℄ of Rough Conc. Slab to 22.6' Rt. = ℄ P. pole # P77187

1+33 – 29.4' Rt. = end wall

1+00

0+90 – 29.9' Rt. = ℄ 3' Conc. walk thru wall

0+88 – 32' Lt. = end Conc wall

0+77 – 29.7' Rt. = Beg. 6" Conc wall

0+72 – 30.2' Lt. = ℄ 3' Conc. Steps & walk thru wall

0+67 – 29.7' Rt. = end wall

0+57 – 23.2' Rt. = ℄ 6" Acacia

0+50

0+37 – 33' Lt. = Beg. 6" Conc. wall

0+49 – 23' Rt. = ℄ P. pole # J.P. 171 0 54

0+34 – 23.5' Rt. = ℄ 4" Acacia

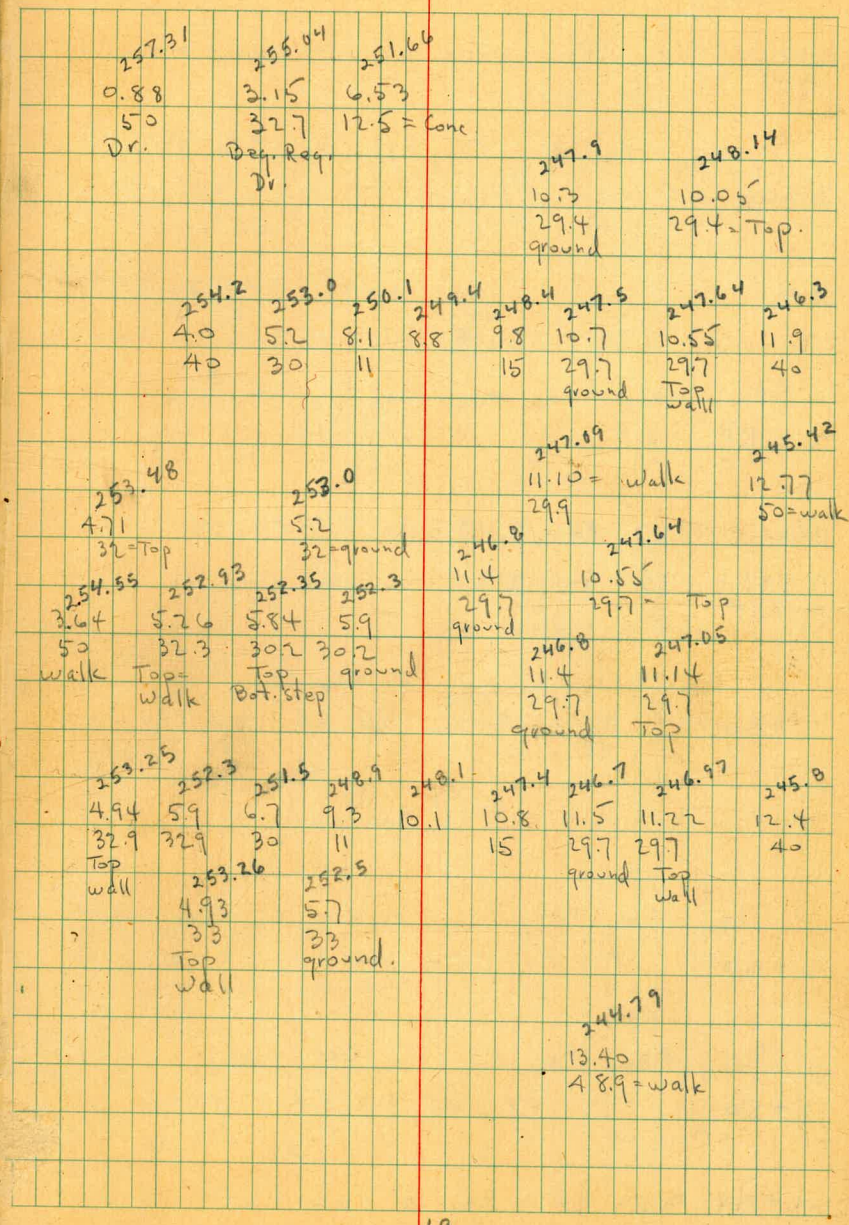
0+19 – 48.9' Rt. = NEly. Edge of walk (shows angle)

0+13 – 24.4' Lt. = ℄ 30" Pepper

0+12 – 23.8' Rt. = ℄ 6" Acacia

0+07 – 23.6' Rt. = ℄ F.H.

Lt ℄ Rt.



19

258.

Brooklyn

3+16 - 50' Rt. = Wly. of Conc porch + House

3+00

				44.62	
B.M.		✓	10.85	244.56	spike in some Pole
T.P.	9.59	255.41	12.31	245.82	Nail in SW. Pole - 62nd

2+75 -

2+65 - 22.7' Rt = ℄ P. pole # P 77188

2+50 - 30' Rt = ℄ 3'- Conc walk

2+40 = Wly. of 9' Conc Dr. on Lt.

2+36 - 30' Lt. = end (8") Conc. wall

2+00

1+50

256.6
1.6
40

1+48 - 30.3' Lt. = Beg. 4" Conc. wall

Lt ℄ Rt

51

247.1 — 8.4 — 50 ground
247.72 — 7.75 — 50 = Porch

254.8 0.7 40
254.4 1.1 30
253.1 2.4 20
251.7 3.8 11
251.3 4.2
250.2 5.3 15
248.9 6.6 30
248.2 7.3 40

255.47
255.41

256.7 1.5 40
255.6 2.6 30
254.1 4.1 20
252.2 6.0 12
251.9 6.3
250.7 7.5 15
249.4 8.8 30
248.3 9.9 40

249.56 — 8.63 — 30 walk
248.30 — 9.89 — 41.9 at Porch
248.57 — 9.62 — 45.5 = House

257.74 0.45 40 Dr.
255.91 2.28 30 Dr.
255.19 3.00 25.3 Dr. Cor.
254.6 3.6 20
252.7 5.5 12
252.2 6.0
251.1 7.1 15
249.4 8.8 30
248.4 9.8 40

257.44 0.75 30 Top wall
256.2 2.0 30-gr.

257.6 0.6 40
257.15 1.04 29.9 Top wall
255.9 2.3 29.9
254.6 3.6 20
252.8 5.4 12
252.0 6.2
250.9 7.3 15
249.1 9.1 30
248.1 10.1 40

255.84 2.35 30.3 Top wall
254.8 3.4 30
253.5 4.7 20
251.6 6.6 11
250.8 7.4
249.7 8.5 15
248.3 9.9 30
247.7 10.5 40

255.82 2.37 30.3 Top
254.9 3.33 30.3 ground

258.19

19

30' Lt. = ℄ Natural drainage to N.

60' E. = F.L. 62nd = 0+00 ahead.

45' E

30' E = ℄

15' E

5' E - 22.7' Rt. = ℄ P. pole # J.P. 178811

T.P. 4.67 250.49 9.59 245.82

4+00.45 = W.L. 62nd to S. - Rough Graded

3+75

3+50

3+40 18.2' Lt. = ℄ 8' Conc. Dr

3+25

244.2	Lt	243.4	243.4	243.8	℄	243.4		241.6	240.0	Rt	235.8			
6.4		7.2	7.1	6.7		7.2		9.0	10.6		14.7			
50		30	20	12				15	30		80			
℄ Drain		℄ Drain												
245.0		244.4		243.6		243.2		241.6		240.6		238.6		
5.6		6.2		7.0		7.4		8.9		9.9		12.0		
40		30		15				18		30		40		
246.4		246.3		245.7		244.0		243.6		243.0		241.4	239.6	235.6
4.2		4.3		4.9		6.6		6.9		7.6		9.2	10.9	15.0
40		30		20		11				10		20	30	80
248.2		247.8		246.8		244.6		244.4		243.6		242.4	242.6	242.0
2.4		2.8		3.7		5.9		6.2		7.0		8.1	7.9	8.6
40		30		20		11				10		17	30	40
								250.49						
249.0		248.4		247.6		245.7		245.3		244.3		244.9	244.0	240.3
6.5		7.1		7.9		9.8		10.2		11.2		10.6	11.5	15.2
40		30		20		11				16		23	30	80
252.4		252.1		251.4		247.7		247.2		246.4		246.4	246.0	
3.1		3.4		4.1		7.8		8.3		9.1		9.1	9.5	
40		30		21		11				15		30	40	
252.9		252.4		251.7		249.5		249.0		248.1		247.5		246.8
2.6		3.1		3.8		6.0		6.5		7.4		8.0		8.7
40		30		19		11				15		30		40
253.98		252.35		251.29										
1.49		3.12		4.18										
50		30		18.2 = Dr.										
Dr.		Dr.												
252.9		253.1		252.3		250.9		250.4		249.3		248.0		247.3
1.6		2.4		3.2		4.6		5.1		6.2		7.5		8.2
40		30		19		11				15		30		40
								255.47						

Brooklyn

2+29 - 29.1' Rt. = Beg. 6" Conc. Block wall

		✓		✓
T.P.	12.12	274.01	0.47	261.89

2+16 - 30.5' Rt. = end ℄ of Hedge

2+00

1+91 - 30' Lt. = ℄ 7' Dr. - 2-2' Conc Strips

1+90 - 30.5' Rt. = Beg. ℄ of 4' Hedge = 4' High

1+82 - 30.4' Rt = ℄ 8' Conc Dr

1+60 - 29.4' Rt. = ℄ 3' Conc Walk

1+50

1+36 - 23' Rt ℄ P.pole # J.P. 173852

1+00

		✓		✓
T.P.	12.31	262.36	0.44	250.05

0+60

0+30

Lt ℄ Rt

260.3 13.8 29.1 ground

262.94 11.13 29.1 = Top wall

274.07

261.5 0.9 40

261.1 1.3 30

260.3 2.1 18

258.9 3.5 11

258.7 3.7

258.4 4.0 15

257.7 4.7 30

257.1 5.3 40

262.20 0.22 50 Dr.

260.82 1.60 30 = Dr.

255.70 6.72 30.4 Dr.

254.92 7.50 40 Dr.

254.43 7.99 29.4 walk

254.26 8.14 43.1 at Porch

257.4 5.0 40

256.9 5.5 30

256.4 6.0 19

254.8 7.6 10

255.0 7.4

254.4 8.0 15

254.0 8.4 30

253.7 8.7 40

254.3 7.9 40

254.3 8.1 30

253.1 9.3 19

251.1 11.3 10

251.0 11.4

250.3 12.1 16

250.7 11.7 23

250.1 12.3 30

249.6 12.8 40

262.42 262.36

250.4 0.2 40

249.6 0.9 30

249.0 1.5 18

247.4 3.1 11

247.4 3.2

246.6 4.0 15

246.4 4.2 20

246.0 4.5 30

245.2 5.3 40

245.0 5.6 40

244.8 5.8 30

244.8 5.8 24

245.0 5.6 11

244.8 5.7

243.6 6.9 15

242.8 7.8 22

241.8 8.7 30

241.4 9.2 40

55

250.44

Brooklyn

3+50

3+30

3+29 - 26.7 Lt. = Sly. of 12" stone wall

3+24 - 33.2 Rt. = Beg. Nly. of 6" cb along Conc. Dr.

3+13 - 33' Rt. = Ely. Conc. apron

3+07 - 11' Lt. = ℄ Dr.

T.P. 6.14 278.36 1.79 272.22

3+00

2+94 - 33.4 Rt. = Wly. of Conc. apron to Doub. Gar. Conc. floor

2+83 - 29.6 Rt. = end wall

2+80

2+70 - 24.4' Rt = ℄ P. pole # J.P. 173 851

2+61 - 27.4' Rt. = ℄ 4.5' Conc. Walk thru wall +step.

2+40

54

278.1 277.7 277.0 Lt. 274.7 274.1 ℄ 273.4 272.3 270.7 Rt. 270.23 269.70

0.3 0.7 1.4 3.7 4.3 5.0 6.1 7.7 8.19 8.72

40 30 20 15 11 15 30 32.7 Top cb 38.2 Dr. 41.2 Dr.

277.6 277.2 277.0 275.1 273.1 271.8 271.5 270.8 269.4 268.94

0.8 1.2 1.4 3.3 5.3 6.6 6.9 7.6 9.0 9.48

40 30 28 26 20 12 15 30 33 Top cb.

278.08 277.30 275.1

0.34 0.92 3.3

44.8 26.7 26.7

Top - by House Top ground

268.4 268.43 267.76 267.67

10.0 9.99 10.66 10.75

33.2 ground 33.2 Top cb 33.7 Conc. Dr. 41.7

265.76 264.80

12.66 13.6

33 44.9 = floor

Conc.

275.0 273.5 270.4 269.3

3.4 4.9 8.0 9.1

40 30 18 11

Dr. Dr. Dr. Dr.

278.36 42

274.1 273.9 270.0 268.5 268.4 267.8 265.7 265.65

+0.7 0.2 4.1 5.6 5.7 6.3 8.4 8.42

40 30 18 9 15 30 33.3 = Apron

265.58 264.69

8.49 9.38

33.4 45.2 = floor Gar.

Conc.

264.6 265.01

9.8 9.86

29.6 ground 29.6 Top-wall

269.3 268.1 267.2 266.3 266.3 265.7 264.5 264.90 262.3

4.8 6.0 6.9 7.8 7.8 8.4 9.6 9.17 11.8

40 30 20 11 15 29.5 29.5 Top wall 40 = Level

262.94 261.59 261.17

11.13 12.48 12.90

27.4 = Top 30.9 Beg. walk 44.6 - at House

265.5 264.9 264.1 262.4 262.4 261.9 261.4 263.22 260.6

8.6 9.2 10.0 11.7 11.7 12.2 12.7 10.85 13.8

40 30 19 11 07 15 29.2 29.2 Top wall 40 Level

274.07

Brooklyn

2+14 - 24.8' Rt. = ℄ P. pole - # JP. 171049

2+11 - 30' Lt. = Beg. Sly. of 12" stone & Conc. wall

T.P. 5.40 272.98 9.95 267.58

2+00 - 26.5' Lt. = end sly. of Hedge + 30.1' Lt. = end wall

Conc. Porch

1+94 - 30.3' Rt. = Nly. of 8" Conc. wall - May be for

1+50

1+24 - 56.7 Rt. = ℄ House

1+00 - 25' Lt. = Sly of Hedge

0+91 - 24.9 Rt. = ℄ P. pole # P-171064

0+50

6" Conc. wall behind Hedge - Back of Line

0+00 = E.L. 63rd - 26.9' Lt. = Sly. of 6' Hedge - 9' High

check B.M. on F.H. S.E. Cor. 63rd 6.38 277.53 7.21 271.15 271.21 corrected

3+75.58 = W.L. 63rd - See Book 2000 - P. 33 for Int. - also end of cb + Drive.

Lt. ℄ Rt.

272.44 / 0.60 / 30 / Top wall — 269.8 / 3.2 / 30 = ground — 273.04 — 277.98

270.6 7.0 40 — 272.09 5.50 30.1 Top-end wall — 269.8 7.8 30 — 269.2 8.4 22 — 268.2 9.4 15 — 267.5 10.1 — 266.8 10.8 14 — 265.0 12.6 30 — 265.3 12.3 40

264.9 12.7 30.3 — 265.7 11.90 30.3 Top wall — 265.70 11.89 40.3 Top at House

272.3 5.3 40 — 271.4 6.2 30 — 270.3 7.3 20 — 269.0 8.6 15 — 268.3 9.3 — 267.4 10.2 14 — 265.9 11.7 30 — 264.5 13.1 40

262.8 14.8 56.7 ground — 263.37 14.22 56.7 floor

274.3 3.3 40 — 274.48 3.11 30.1 Top wall — 273.0 4.6 30 — 272.3 5.3 22 — 271.2 6.4 15 — 270.1 7.5 13 — 269.6 8.0 — 268.8 8.8 13 — 267.1 10.5 30 — 266.2 11.4 40

275.5 2.1 40 — 274.7 2.9 30 — 273.8 3.8 20 — 272.5 5.1 14 — 271.5 6.1 12 — 271.3 6.3 — 270.6 7.0 14 — 268.3 9.3 30 — 267.4 10.2 40

277.3 0.3 30 — 276.0 1.6 22 — 273.5 4.1 13 — 272.9 4.7 — 271.4 6.2 16 — 269.8 7.8 30

59. 277.53

B. 2000 P. 33

278.3 0.1 30 — 278.0 0.4 22 — 275.5 2.9 12 — 274.4 4.0 — 272.8 5.6 15 — 271.3 7.1 30

42 278.36

Brooklyn

0+58 - 25' Rt. = ℄ P. pole # J.P. 171.066

0+50

0+36 - 20.1' Lt. = ℄ P. pole # 77803

60' E. = E.L. Stork = 0+00 ahead

30' E. = ℄

13' E. - 20.5' Lt. = ℄ Guy Pole

9' E. - 28.4' Lt. = ℄ 2' Conc. walk

Set B.M. - Spike in S.W. Pole # J.P. 171.065' 5.92 67.12 ~~267.06~~

3+66.87 = W.L. Stork St. to S. Rough Graded.

3+64 - 21' Lt. = ℄ 30" Palm

3+64 - 25.1 Rt. = ℄ P. pole # J.P. - 171.065'

3+35'

3+14 - 21.3' Lt. = ℄ 42" Palm

3+00 - 29.7' Lt. = end wall

2+50

2+48 - 29.9' Lt. = ℄ 4' Conc. walk - Thru wall

Lt. ℄ Rt. 56

269.9	269.0	268.4	267.4	267.0	266.3	265.1	264.1
3.1	4.0	4.6	5.6	6.0	6.7	7.9	8.9
40	30	19	15		15	30	40

270.8	269.8	269.0	267.8	267.4	266.7	265.6	261.7
2.2	3.2	4.0	5.2	5.6	6.3	7.4	11.3
40	30	20	16		15	30	80

270.6	270.0	269.3	268.2	267.8	267.0	266.0	262.1
2.4	3.0	3.7	4.8	5.2	6.0	7.0	10.9
40	30	22	16		15	30	80
					.1 Pave		

270.85	270.21
2.19	2.83
40	28.4 = walk
walk	

271.0	270.0	269.3	267.9	267.9	266.7	266.0	262.1
2.0	3.0	3.7	5.1	5.1	6.3	7.0	10.9
40	30	20	16		15	30	80

270.7	269.8	269.1	267.8	267.8	266.9	266.0	265.6
2.3	3.2	3.9	5.2	5.2	6.1	7.0	7.4
40	30	20	15		15	30	40

270.3	272.12	269.7	269.0	267.9	267.7	266.7	265.7	265.1
2.7	0.92	3.3	4.0	5.1	5.3	6.3	7.3	7.9
40	29.7	29.7	22	16		14	30	40
	Top wall							

270.6	272.57	269.8	269.0	267.8	267.3	266.8	264.9	264.2
2.4	0.47	3.2	4.0	5.2	5.7	4.2	8.1	8.8
40	29.9	29.9	23		18	13	30	40
	Top wall							

270.64	270.13	
2.40	2.91	273.04
40	29.9	~~272.98~~
walk		

Brooklyn

2+09 - 25.3' Rt. = ℄ 'P. pole # J.P. 171 067

2+05 - 30.1' Lt. = ℄ 2.8' Conc. walk

2+00 - 31.2' Rt. = ℄ 30" Euc.

T.P. . 2.17 262.04 13.11 259.87

1+80 - 18.4' Rt. = ℄ 10" Palm

1+75

1+60 - 19.4' Rt. = ℄ 10" Olive

1+50

1+25

28.4' Rt. = end wall

1+00 - 29.5' Lt. = Ely. of 3' Conc. steps & walk

0+91 - 32.7' Rt. = ℄ Wing of House

0+85 - Beg. oil Pave in Rdwy.

0+83 - 29.1' Rt. = Wly. of 6" Conc. wall

0+75

0+68 - 26' Lt. = ℄ 9' Brick Drive

Lt ℄ Rt. 57

260.70 1.40 40 walk

260.29 1.8 30.1 walk

260.9 1.7 40

260.2 1.9 30

259.5 2.6 21

258.0 4.1 14

258.3 3.8 12 edge

258.4 3.7

258.2 3.9 8 edge

257.5 4.6 15

256.5 5.6 30

254.5 7.6 40

262.10 262.04

262.4 10.6 40

262.1 10.9 30

261.6 11.4 19

260.8 12.2 13 edge

260.8 12.2

260.4 12.6 9 edge

259.2 13.8 20

258.3 14.7 30

258.0 15.0 40

264.8 8.2 40

264.1 8.9 30

263.3 9.7 20

262.9 10.1 13 edge

262.8 10.2

262.2 10.8 8 edge

261.3 11.7 20

260.4 12.6 30

259.6 13.4 40

266.8 6.2 40

266.4 6.6 30

265.7 7.3 23

264.7 8.3 14 edge c.L.

264.5 8.5

264.0 9.0 8 edge c.L.

263.5 9.5 15

261.7 11.3 30

261.3 11.7 40

269.40 3.64 40 walk

269.04 4.00 30.9 Beg walk

268.68 4.36 29.5 Top step

268.1 4.9 29.5

267.0 6.0 22

266.0 7.0 15

265.8 7.2

264.9 8.1 13

263.1 9.9 28.4

263.47 9.57 28.4 Top wall

262.7 10.3 30

262.0 11.0 40

262.4 10.6 32.7 ground

263.60 9.44 32.7 floor

264.4 8.6 9.1 29.1

264.48 8.56 Top wall 29.11

269.4 3.6 40

269.0 4.0 30

268.8 5.2 21

267.1 5.9 15

266.5 6.5

265.7 7.3 15

264.2 8.8 30

263.2 9.8 40

270.00 3.04 40 Dr.

269.49 3.55 30 Dr.

269.01 4.03 26 Dr.

273.07

272.98

Brooklyn

T.P.	1.43	244.85 (84)	9.81	243.48 (4+)	Nail in Pole J.P. 171 063

4+01.46 = W.L. 64+/- to S.

3+73 20' Lt. - ℄ 20" Pepper

3+70

3+58 25.4' Rt. = ℄ P. pole +/- J.P. 171 063

3+48 19.7' Lt. = ℄ 8" Pepper

3+35 = in Dirt Dr. on Lt. (Gar-way back)

3+24 19.6' Lt. = ℄ 20" Pepper

3+11 29.9' Lt. = ℄ 3.5' Conc. walk

3+00

2+99 19.3' Lt. = ℄ 16" Pepper

T.P	4.23	253.89 (22)	13.05	248.99 (249.00)

2+75

2+73 19.2' Lt. = ℄ 20" Pepper

2+50

2+42 33.9' Rt. = ℄ Porch (conc.)

2+25

58

Lt. ℄ Rt.

Lt.											Rt.
243.1	242.3	241.3	241.1		240.7	240.1	239.3	237.2	234.0		
10.2	11.0	12.0	12.2		12.6	13.2	14.0	16.1	19.3		
40	30	15	6 edge			8 edge	20	30	50		
247.7	247.1	246.4	244.2		243.9	243.3	242.2	239.8	237.8		
5.6	6.2	6.9	9.1		9.4	10.0	11.1	13.5	15.5		
40	30	20	7 edge			9 edge	20	30	40		
251.1	250.7	249.5	247.1		246.9	246.5	246.1	242.2	240.7		
2.2	2.6	3.8	6.2		6.4	6.8	7.2	11.1	12.6		
40	30 Dr.	20	7 edge			9 edge	14	30	40		
	253.17	252.38									
	0.11	0.90									
	40 walk	29.9 walk									
253.3	252.5	251.4	249.3	249.5	248.5	248.9	248.6	246.0	244.4	242.2	
0.0	0.8	1.9	4.0	3.8	3.8	4.4	4.7	7.3	8.9	11.1	
40	30	18	10	8 edge		9 edge	12	20	30	40	
					28 (22)						
					253 (23)						
254.9	254.2	253.4	251.4	251.3	251.3	250.7	250.5	248.6	246.2	244.7	
7.2	7.9	8.7	10.7	10.8	10.8	11.4	11.6	13.5	15.9	17.4	
40	30	20	13	8 edge		8 edge	12	16	30	40	
257.0	256.3	255.4	253.2	253.5	253.5	252.9	252.1	251.8	251.7		
5.1	5.8	6.7	8.9	8.6	8.6	9.2	10.0	10.3	10.4		
40	30	19	12	9 edge		8 edge	15	30	38 along House		
						252.4		254.32			
						9.7		7.8			
						33.9' ground		33.9 + Top Porch			
259.0	258.3	257.4	255.4	255.8	256.0	255.7	254.5	252.9	252.6		
3.1	3.8	4.7	6.7	6.3	6.1	6.4	7.6	9.2	9.5		
40	30	20	13	9 edge	10 262.04	8 edge	15	30	38.0 along House		

Brooklyn

T.P. 13.09 256.~~85~~ 84 109 243.~~76~~ 75

0+77 - 24.3' Rt. = ℄ P. pole # J.P. 171 040

0+75

0+55

0+35.88 = ℄ + ℄ of 36" R.C. Culvert under fill see sketch - P. 45 for angle - Note: inlet is Covered by fill over top of pipe

0+30

0+18 Cont.

0+18 - 16' Rt = Inlet of ½ - 18" (open) Corr. Iron Culvert.

30' E. = E.L. 64 ± = 0+00 ahead

15' E. = ℄ 64 ± - Not Graded.

Lt ℄ Rt

239.0 239.3 240.0 244.9 244.6 241.0 243.4 243.1 241.6 241.9 241.0
5.9 5.6 4.9 0.0 0.3 0.9 1.8 1.8 3.3 3.0 3.9
50 30 27 Toe 18 4 edge 10 edge 20 30 40 50

231.0 230.8 231.8 242.0 241.4 241.3 240.9 240.5 241.8 239.3 235.2 235.5
13.9 14.1 13.1 2.9 3.5 3.6 4.0 4.4 3.1 5.6 9.7 9.4
80 50 30 14 edge 4 10 edge 16 23 30 38 50

℄ Stream (from Inlet)

228.74
16.16
24.7 = I.E. of Pipe at Inlet

226.92
17.98
34 = I.E. of outlet (open)

232.2 231.5 239.7 239.6 239.5 239.1 239.0 231.4 227.2 226.7
12.7 13.4 5.2 5.3 5.4 5.8 5.9 13.5 17.7 18.2
50 30 15 4 edge 9 edge 19 30 40 50

225.3
19.6
57 = ℄ stream

235.7 239.8 239.5 239.1 239.2 238.8 238.2 237.46 229.19 226.8
9.2 5.1 5.4 5.8 5.7 6.1 6.7 7.44 15.71 18.1
50 30 20 4 edge 9 edge 14 16 I.E. of culvert 34.5 = outlet I.E. 40

240.4 239.8 239.5 239.0 238.9 238.5 238.6 240.2 239.7 236.1 231.5 230.2
4.5 5.1 5.4 5.9 6.0 6.4 6.3 4.7 5.2 8.8 13.4 14.7
40 30 20 6 edge 9 edge 14 20 24 30 38 50

241.8 241.0 240.4 239.7 239.4 238.8 240.0 238.5 237.0 232.7
3.1 3.9 4.5 5.2 5.5 6.1 4.9 6.4 7.9 12.2
40 30 20 6 edge 244.~~85~~ 84 90 11 edge 19 25 30 50

Brooklyn

2+56 - opp Prop. Cor. on Rt.

2+42 = Wly of 8'CL walk on Lt

2+25

2+15 - end oil pave strip

1+98.32 = opp. Prop. cor.

1+92 - 11.7' Lt. - Beg. Cold lay Drain from school

1+84 - 24' Rt. - ℄ P. pole # J.P. 278 681

T.P. 7.50 275.~~33~~ 32 0.90 267.~~83~~ 82

1+75

1+50

T.P. 12.84 268.~~75~~ 72 0.96 255.~~89~~ 88

1+25

1+00

Lt. ℄ Rt.

270.78 270.09 269.13 269.72 270.3 270.2 270.0 269.3 268.4

4.60 5.29 6.25 5.66 5.1 5.2 5.4 6.1 7.0

45 33.5 29.2 25.5 15 15 30 50

271.13 Wly of walk edge ℄ edge Drain

270.17 269.82 268.93 269.48

4.23 5.27 5.56 6.45 5.90

50 30 26.6 22.5 19.3

walk walk walk edge ℄ = edge Drain

I.E.

271.1 270.8 270.6 269.32 268.43 269.02 269.1 269.2 269.3 268.8

4.3 4.6 4.8 6.06 6.95 6.36 6.3 6.2 6.1 6.6

40 30 25 29.3 16.6 13.3 15 30 50

edge ℄ edge Drain

268.1 270.2 269.8 266.76 267.0 267.1 269.9 269.9 267.3 267.4 267.2

7.3 5.2 5.6 8.62 8.4 8.3 8.5 8.5 8.1 8.0 8.2

40 30 20 12.5 5 10 17 20 30 40

265.88 ℄ Drain edge edge

9.50

11.7

I.E. of Drain

275.~~38~~ 38 ~~32~~

268.3 267.9 267.3 263.2 263.5 263.7 263.5 262.9 264.2 264.8 264.9

0.5 0.9 1.5 5.6 5.3 5.1 5.3 5.9 4.6 4.0 3.9

40 30 16 15 6 10 15 21 30 40

edge edge

262.8 263.2 262.9 258.6 259.2 259.3 259.1 258.8 261.6 264.0

6.0 5.6 5.9 10.2 9.6 9.5 9.7 10.0 7.2 7.8

40 30 16 15 5 9 15 30 40

edge 78 ~~72~~ edge

268.~~75~~ 72

256.9 257.1 257.8 253.5 254.2 254.4 254.0 253.5 256.7 254.1

0.0 +0.2 +0.9 3.4 2.7 2.5 2.9 3.4 0.2 0.8

40 30 16 15 4 9 15 30 40

edge edge

248.9 249.6 248.6 249.1 249.1 248.7 247.9 250.9 250.8 250.2

8.0 7.3 8.3 7.8 7.8 8.2 9.0 6.0 6.1 4.7

40 30 15 4 ~~84~~ 90 9 17 27 30 40

edge 256.~~85~~ edge

3+82 - 33.3 Lt. = S.E ly. Cor. of C.L.

3+62 - 33.3' - Lt. = Sly. of C.L.

3+52 - 37.1' Lt. = Beg. C.L. Slab at Bot. Cor. of Steps.

3+20 - 22' Rt. = ℄ P. pblc # P - 77386

3+04 - 30.3' Rt. = ℄ 3' Conc walk

2+80

2+74 - 30.5' Lt. = S.E ly. Cor. of C.L.

2+63 - Show C.L. on Lt.

2+60 - 31.8' Lt. = outlet 6" U.C. Drain from school
= Beginning of Dip. C.L. Drain to W.

Lt. ℄ Rt.

271.75 3.63 50 E. edge C.L.

271.27 4.11 33.3 = Cor. C.L.

271.53 3.85' 48.5 at Cor of School

271.44 3.94 33.3

271.5 3.9 30

271.5 3.9 15

271.5 3.9

270.4 5.0 15

269.8 5.6 30

269.4 6.0 40

271.55 3.83 45.2 C.L along Bldg

271.53 3.85' 37.1 = C.L. + Steps

272.0 3.4 45.2 along Bldg.

271.6 3.8 30

271.5 3.9 15

271.4 4.0

270.5 4.9 15

270.2 5.2 30

269.2 6.2 40

269.96 5.42 30.3 walk

269.37 6.01 40.8 at Porch

270.9 4.5 37.1 along steps

270.8 4.6 30

270.8 4.6 15

270.8 4.6

270.1 5.3 15

269.8 5.6 30

269.1 6.3 40

270.39 4.99 45 C.L. at Bldg.

270.37 5.01 37.2 C.L. at Bot. of Cor. Steps

270.57 4.81 30.5 = C.L.

270.51 4.87 45 Nly. of C.L.

270.06 5.32 33

269.94 5.44 29 = Sly. of C.L.

269.04 6.34 31.8 I.E. of 6" Drain

38 ~~32~~ ~~35~~ 275

				270.20	
check F.H. - 63rd			1.93	271.~~15~~ 14	271.~~15~~ .21
	11.20	273.~~08~~ 07	10.90	261.~~88~~ 87	
T.P.	2.63	272.~~78~~ 77	2.01	270.~~15~~ 14	

30' E. = ℄ 65th = end.

22' E. = approx edge of Covereird Conc. Strip.

14.5' E. = Gutter = ave. edge of C.L. Pave

8' E.

				270.20	
T.P.	2.01	272.~~16~~ 21 ~~15~~	5.18	270.~~18~~ 14	F.H. - N.E. 65th + Brooklyn

4+62.36 = W.L. of 65th

4+60 - 21.2' Rt. = ℄ P. pole # P-70879

4+49 - 26.4' Lt. = ℄ 6" Pepper

4+35

4+22 - 26.4' Lt. = ℄ 14" Pepper

4+00 = ℄ Dirt Dr.

Lt ℄ Rt.

269.97
2.24
80

268.06
4.15
30

267.59
4.62
15

267.21
5.00

266.84
5.37
15

266.31
5.90
30

263.32
8.89
80

269.86
2.35
80

267.95
4.26
30

267.50
4.71
15

267.10
5.11

266.74
5.47
15

266.28
5.93
30

263.20
9.01
80

269.41
2.80
80

267.65
4.56
30

267.24
4.97
15

266.76
5.45

266.38
5.83
15

265.80
6.41
30

262.73
9.48
80

271.1
1.1
36

270.1
2.1
30

267.89
4.32
19
edge

267.77
4.44
C.L.

267.33
4.88
14
edge

267.8
4.4
20

267.5
4.7
30
Ely of
CL walk

266.9
5.3
40

272.~~16~~ 21 ~~15~~

271.8
3.6
50
edge of CL walk

271.4
4.0
30

270.9
4.5
27

268.6
6.8
17

268.4
7.0

268.1
7.3
15

268.0
7.4
16

268.0
7.4
20

267.6
7.8
30

266.7
8.7
50

272.1
3.3
40

272.1
3.3
30

271.8
3.6
26

270.3
5.1
19

270.3
5.1
10

270.2
5.2

269.3
6.1
15

268.9
6.5
30

268.5
6.9
40

273.4
2.0
40

272.5
2.9
30

271.2
4.2
21

271.3
4.1
15

271.3
4.1
38

270.4
5.0
15

269.5
5.9
30

268.9
6.5
40
in Dirt Dr.

275.~~33~~

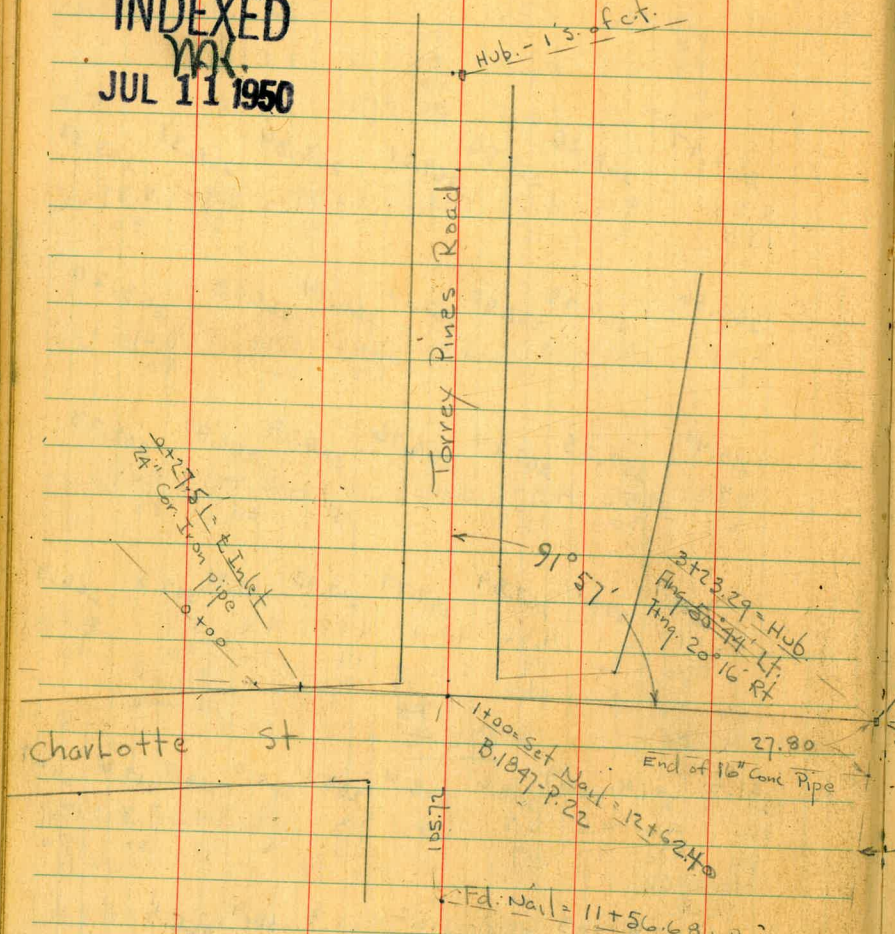
INDEXED
MAP
JUL 11 1950

Survey for Prop. Drain - Charlotte & Torrey Pines 63 Rd.

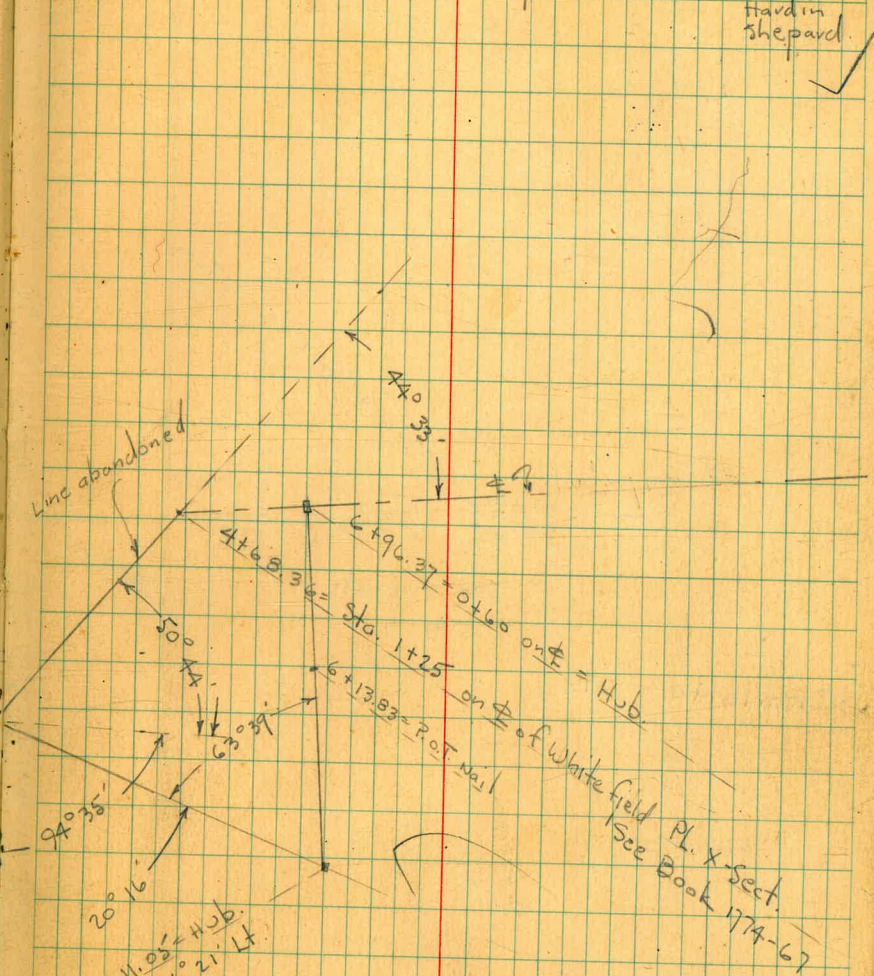
4433

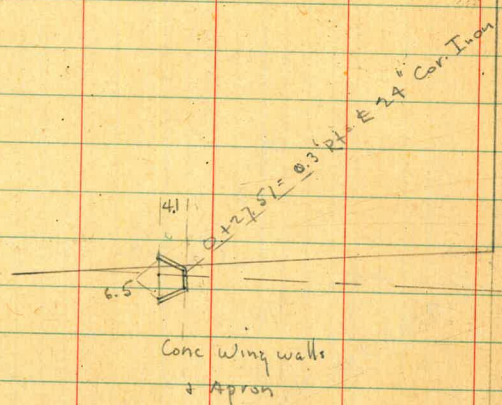
W.O. 20664

7-5-50 - Osborne Hardin Shepard.



Note: Used these old Ties Because Mons. are Covered up. - Prop. Ties on P. 22 are good.

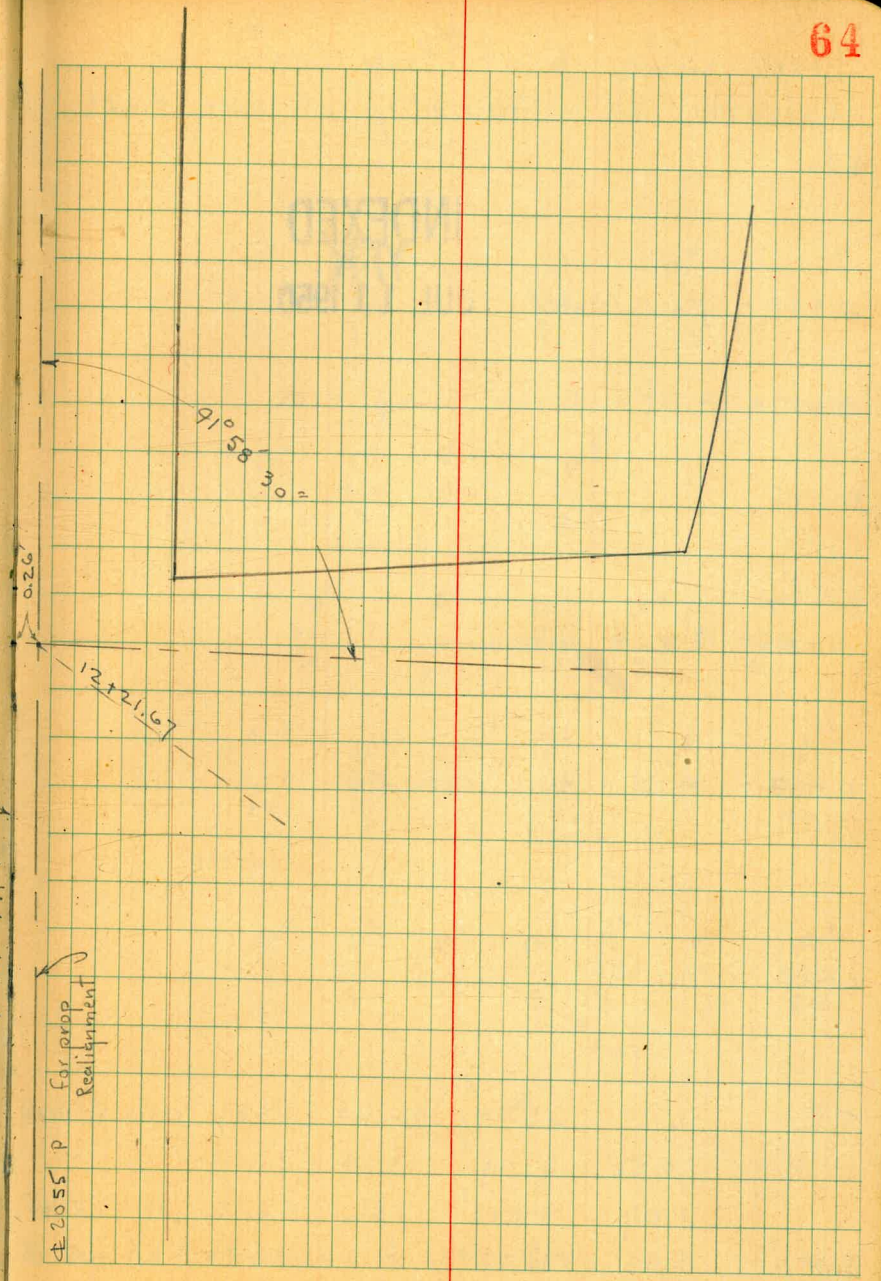




Road

Torrey Pines ± Per 1947 P.222

Charlotte St.



Levels along ℄ of Prop. Drain in Charlotte St. - Thru & Sly. of Torrey Pines Rd.

0+20 = ℄ Wash

0+17 - 4' Rt = ℄ 24" Swamp tree

0+15

0+05 = ℄ = ℄ Wash

0+00 - 14' Lt. = ℄ 2" Water pipe in air

0-20

T.P.	6.19	65.08 ✓	12.60	58.89 = stake at Head wall
T.P.	0.55	71.49 ✓	13.24	70.94 -
	1.07	84.18 ✓	7.52	83.11 = ℄ T.P. & Drain = Cut. spike
B.M.	5.43	90.63 ✓		85.20 = c.t. in S cb Torrey - & ℄ Princess - B. 1847 - P. 23

65.08 ✓

Lt. ℄ Rt. 65

61.6 3.5 20 | 53.3 11.8 7 | 52.3 12.8 | 56.9 8.2 3 | 58.4 6.9 25

60.1 5.0 17 | 53.9 11.2 12 | 51.1 14.0 6 ℄ wash | 55.1 10.0 | 56.8 8.3 24

61.5 3.6 18 Top bank | 49.0 16.1 ℄ wash | 53.3 11.8 10 | 54.3 10.8 23 | 57.5 2.6 40

62.0 3.1 25 | 60.48 4.60 14 Top pipe & bank | 51.9 13.2 7 | 50.0 15.1 | 48.4 16.9 6 ℄ wash | 52.1 12.4 15 | 57.1 5.4 40

62.4 2.7 15 | 61.8 3.3 9 | 58.2 6.9 | 53.0 12.1 14 | 49.5 19.2 19 ℄ wash | 46.6 18.5 34 | 53.9 11.2 80

0+

0+84.7 = cb. Line - Covered with C.L

0+80.3 = edge CL. walk

0+75 = Top bank

Set B.M 4.25 86.02 = □ in Conc. - NEly. Cor Pump House
7.16 90.27 83.11 = Spike in ℄ - P. 65

0+45 = Toe of slope

T.P. 7.57 71.71 0.94 64.14

0+36 - 12' Rt. = ℄ 6' Clump of Bamboo

0+30.3 = ℄ at ℄ of 2" pipe

0+28 - 18' Rt. = ℄ 10" Palm

0+27.51 - 0.3' Rt. = ℄ outlet 24" C.I. pipe

0+23.4 = edge of Conc. apron

Lt.	℄	Rt.
	82.63 7.64 Top	82.11 8.16 Gut.
	82.59 7.68	
82.0 8.3 10	81.5 8.8	82.5 7.8 10
	90.27	
63.4 8.3 20	63.5 10.2	63.0 8.7 10 / 65.6 6.1 20
	71.71	
	58.86 6.22 Top pipe	
64.4 2.7 20	58.1 7.0 10	53.75 11.33 1.5 apron at Cor.
	58.58 11.27 I.E. pipe	57.33 7.75 Top wall
53.9 11.1 19 apron at Cor.	59.0 6.1 7	59.8 5.3 20
53.48 11.60 2.7 Cor. wing	53.52 11.56 65.08	53.57 11.51 3.8 = Cor. along wing wall

T.P. on Hub.	10.63	96.50 ✓	4.40	88.87	3+23.29

2+80

2+50

2+35

2+23 = edge Rd.

2+05 = edge Graded Rd.

2+00 = on Fill

1+50 = on Dump.

1+25

1+15.2 = S. cb.

1+00 = ℄

Lt. ℄ Rt.

82.3 8.0 10 — 82.8 7.5 — 84.9 5.4 30

79.1 11.1 10 — 78.8 11.5 — 78.6 11.7 22 — 83.0 7.3 30

78.9 11.4

82.8 7.5

83.0 7.3 10 — 83.0 7.3 — 83.8 6.5 30

85.5 4.8

73.9 16.4 27 Toe — 85.6 4.7 7 Top bank — 85.8 4.5 — 85.8 4.5 15

84.1 6.2

83.08 7.19 Top — 82.69 7.63 Gut

83.11 7.16

90.27 ✓

4+80

4+48 - 3.2' Rt. = stub #2 on Sewer Line 4+18.8

4+40

T.P.	11.03	105.63 ✓	1.90	94.60	= stub #2

4+10

3+85

3+50

See sketch - for Loc.

3+31 - 26.7' Rt. = ℄ of Outlet of 16" Conc. pipe

3+23.29 = Fing 20° 16' Rt. - Sect. 90° to Forward tang

3+08 - 7' Lt. = ℄ 4' Palm

3+00

Lt. ℄ Rt.

4+18.8 on Sewer Line

105.63 ✓

96.50 ✓

+0.2 / 15 — 105.8 — 100.7 ✓ — 5.4 — 97.8 — 7.8 / 4 Top — 93.0 — 12.6 / 9 ℄ Ditch — 97.1 — 8.5 / 11 Top. & Toe — 104.6 — 1.0 / 25

3.7 / 10 — 101.9 — 96.1 — 9.5 — 94.1 — 11.5 / 5 Toe — 90.7 — 15.2 / 12 ℄ 3' Ditch Bot — 93.7 — 11.9 / Top — 94.1 — 11.5 / 18 Toe — 102.1 — 3.5 / 30

+1.4 / 15 — 99.9 — 92.7 — 4.3 / 7 Toe — 91.7 — 4.8 — 89.6 — 6.9 / 5 ℄ 3' Ditch Bot. — 91.6 — 4.9 / Top — 91.8 — 4.7 / 13 Toe — 102.0 — +5.5 / 30

2.2 / 15 — 94.3 — 91.0 — 5.5 / 8 Toe — 89.6 — 6.9 — 88.9 — 7.6 / 13 ℄ 2' Ditch Bottom (Ground) — 89.9 — 6.6 / 13 Top — 91.1 — 5.4 / 17 Toe — 98.5 — +2.0 / 30

4.7 / 15 — 91.8 — 86.7 — 9.4 / 4 Toe — 86.7 — 9.8 — 87.2 — 9.3 / 19 Toe — 91.2 — 5.3 / 30

84.0 — 12.5 / 21.7 = Bottom at Wash — 86.56 — 9.94 / 26.7 I.E. cpl Pipe

84.1 — 7.4 / 15 — 85.6 — 10.9 / 8 Toe — 85.87 — 10.63 on Hub — 86.1 — 10.1 — 83.0 — 13.5 / 9 ℄ Wash — 86.1 — 10.4 / 13 — 86.1 — 10.4 / 20 Toe — 90.7 — 5.8 / 30

83.8 — 12.7 / 20 Toe — 83.5 — 13.0 — 82.5 — 14.0 / 5 ℄ Wash — 84.5 — 12.0 / 13 — 85.1 — 11.4 / 20 Toe — 89.1 — 7.4 / 30

6+96.37 = Hub = 0+60 on ℄ Whitefield PL.

6+60

T.P.	8.69	161.33 ✓	0.68	152.64

6+15

T.P.	11.88	153.32 ✓	0.12	141.44

5+80

T.P.	12.82	141.86 ✓	0.04	128.74

5+50

T.P.	13.01	128.78 ✓	0.30	115.77
T.P.	10.87	116.07 ✓	0.43	105.20

Topo Rods on Tang. prod. ahead. (no angle)

5+11.05 = Hng. 116° 21' Lt. - Sect. 90° to back Tang.

Lt.	℄	Rt.
154.01	156.28	158.6
7.32	5.08	2.70
0+70 on ℄		0+50 on ℄
151.2 ✓	154.3	157.2
10.1	7.0	4.1
10		10
	161.33 ✓	
142.6	145.7	148.2 ✓
10.7	7.6	5.1
10		10
	153.32 ✓	
	135.4	
	6.2	
	141.56 ✓	
119.5	122.1	124.6
9.0	6.7	4.2
10		10
	128.78 ✓	
100.6		97.4
5.0		8.2
15 ahead		20 ahead = ℄ Ditch
99.99	94.9	95.4 99.4
5.64	5.7	10.2 6.2 + 1.7 107.3
on Hub.	2	℄ 8 20
105.63 ✓	Top.	Ditch Top & Toe

Beg. X-Sections of Exist. Road
Thru Sunken portion by inlets on
Torrey Pines Rd. & Charlotte st.
Sketch P. 64 - Used sta. & ℄ Shown in
B. 2055 - for Realignment of Torrey Rd.

12+00.8 - = line of Ely. edge Pump House

over Sunken walk on Lt

12+00 - 20.1 Lt. = end wall - Beg. Cold Lay Cover
11+94.3 = Line of ℄ Axis of Pump sta.

11+75

11+65 - 21.5 Rt. = ℄ 12" Acacia Tree

11+50

11+49 - 16.2 Rt. = ℄ Tel. pole # 433491-H

11+25

along Edge

11+00 - 4.6 Comb. cb. & Walk on Lt. - Tile wall

B.M. 4.57 90.59 ✓ 86.02 ✓ = ▽ in p. house - P. 66

Lt. = N. ℄ Rt. = S. 71

85.93 4.66 41.8 = Cor. Conc. slab. 84.02 ✓ 4.57 49.8 = slab. at Cor. Bldg.

81.3 93 25 | 84.05 6.54 20.1 | 84.03 6.56 Top | 83.54 7.05 15.5 gut | 83.87 6.72 7.5 | 84.05 6.54 | 84.01 6.58 7.5 | 83.51 7.08 15 gut. | 83.94 6.65 Top | 84.4 6.2 25

85.46 4.93 2.0 walk | 85.49 5.10 Top | 85.15 5.44 15.2 gut | 85.48 5.11 7.5 | 85.60 4.99 | 85.43 5.16 7.5 | 85.03 5.56 15 gut | 5.20 Top | 85.39 4.9 25 | 85.-

86.51 4.08 20.1 walk | 86.71 3.88 Top | 86.28 4.31 15.2 gut | 86.55 4.04 7.5 | 86.63 3.96 | 86.44 4.15 25 | 86.05 4.54 15 gut | 4.18 Top | 86.41 4.1 25 | 86.5

87.39 3.20 20.2 walk | 87.49 3.10 Top | 87.06 3.53 15.2 gut | 87.44 3.15 7.5 | 87.57 3.02 | 87.36 3.23 7.5 | 87.11 3.48 15 gut | 3.16 Top | 87.43 2.7 25 | 87.9

88.61 1.98 2.0 = edge of walk at wall | 88.57 2.02 Top | 88.16 2.43 15.2 gut | 88.38 2.21 7.5 | 88.58 2.01 | 88.38 2.21 7.5 | 88.11 2.48 15 gut | 2.12 Top | 88.47 1.7 25 | 88.9

90.59 ✓

12+75'

12+51 - 15.6 Lt. = Ely. of 10' inlet

12+46 = ℄ Inlet on Lt. 3.5 x 3.5 Box

12+45.3 = E. end 8' opening on Rt.
. = end of Coldlay Cover.

12+41 - 15.6' Lt. = W. end 10' opening Inlet

12+40 - 20.5 Rt. = ℄ F.H.

12+38.3 = ℄ of 2.2' x 1.8' Box - 1.8' along cb. (on Rt.)

12+37.3 = W. end of 8' opening inlet on Rt

12+21.67 = ℄ & 1+00.26 on ℄ Drain Survey - See P. 64

12+02 - 20.8 Lt. = ℄ P. pole # P 1698

Lt. ℄ Rt. 72

82.1 | 83.34 | 83.14 | 82.68 | 82.93 | 83.20 | 83.04 | 82.59 | 82.99 | 82.9
8.5 | 7.25 | 7.45 | 7.91 | 7.66 | 7.39 | 7.55 | 8.00 | 7.60 | 7.7
24 | 19.9 | | 15.2 | 7.5 | | 7.5 | 15 | | 25
Top | edge walk | Top | gut. | | | | gut. | Top |

82.16 | 81.57
8.43 | 9.02
15.6 | 15.6
Top cb. | gut.

81.4 | 82.26 | 78.15 | 82.26 | 81.49 | 82.13 | 82.63 | 82.63 | 82.20 | 82.67 | 82.1
9.2 | 8.33 | 12.44 | 8.33 | 9.10 | 8.46 | 7.96 | 7.90 | 8.39 | 7.92 | 8.5
25 | 20 | | | 15.6 | 7.5 | | 7.5 | 14.9 | | 25
Top bank | edge walk | I.E. Box | Top cb. | gut.= grate | | | | gut. | Top |

82.14 | 82.67
8.45 | 7.92
14.9 | 14.9
gut. | Top cb.

82.34 | 81.64
8.25 | 8.95
15.6 | 15.6
Top cb. | gut

82.15 | 82.71 | 79.91
8.44 | 7.88 | 10.68
14.9 | 14.9 | I.E. of Box
gut. | Top cb.

82.23 | 82.73
8.36 | 7.86
gut. | 14.9
14.9 | Top cb.

81.5 | 82.48 | 82.64 | 82.17 | 82.73 | 83.10 | 83.04 | 82.65 | 83.08 | 83.39
9.1 | 8.11 | 7.95 | 8.47 | 7.86 | 7.49 | 7.55 | 7.94 | 7.51 | 7.2
25 | 20.3 | 16.3 | 15.9 | 7.5 | | 7.5 | 15 | | 25
Top bank | edge walk | Top CL cb. | gut | | | | gut. | Top |

90.59 ✓

Lt. ℄ Rt.

Notes Redwood Pg. CS-73

℄ - 7-11-50

13+50 = End

13+19 - 23.5 Lt. = ℄ of 6x7' Conc. Water M.H.

13+14-21 Lt = ℄ P. pole # 1720

13+00

12+88 - 16.3 Rt. = ℄ Tel pole # 307924-H

83.57 7.02 28 on ℄ Dr.

83.59 6.90 19.8 edge walk

83.30 7.29 15.2 Gut. in Dr.

83.53 7.06 7.5

83.76 6.83

83.55 7.00 7.5

83.19 7.40 14.9 Gut.

83.58 7.01 Top

84.5 6.1 2.2 Toe slope

83.34 6.85 23.5 Top M.H.

83.2 7.4 24 Top

83.51 7.02 19.9 edge walk.

83.38 7.21 Top

82.96 7.63 15.2 Gut

83.28 7.31 7.5

83.51 7.08

83.35 7.27 7.5

82.87 7.72 14.9 Gut. Top

83.28 7.31

83.9 6.7 25

90.59

98.50
18
98.32

62.4
35
27.4

12+21.7
27.4
11+94.3

271.21 = Top Hyd. - 63rd & Brooklyn B2000 - P.33

271.42 = S.W. 7' Mon

5 + 11.05
3.23.29
1.87.76

13.8
46.2
60.0

10.3
4.8
5.5

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

Roadway 16 feet wide. Side Slopes 1 on 1½

For Single Track Embankment.

H	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	H
0	8.0	8.2	8.3	8.5	8.6	8.8	8.9	9.1	9.2	9.4	0
1	9.5	9.7	9.8	10.0	10.1	10.3	10.4	10.6	10.7	10.9	1
2	11.0	11.2	11.3	11.5	11.6	11.8	11.9	12.1	12.2	12.4	2
3	12.5	12.7	12.8	13.0	13.1	13.3	13.4	13.6	13.7	13.9	3
4	14.0	14.2	14.3	14.5	14.6	14.8	14.9	15.1	15.2	15.4	4
5	15.5	15.7	15.8	16.0	16.1	16.3	16.4	16.6	16.7	16.9	5
6	17.0	17.2	17.3	17.5	17.6	17.8	17.9	18.1	18.2	18.4	6
7	18.5	18.7	18.8	19.0	19.1	19.3	19.4	19.6	19.7	19.9	7
8	20.0	20.2	20.3	20.5	20.6	20.8	20.9	21.1	21.2	21.4	8
9	21.5	21.7	21.8	22.0	22.1	22.3	22.4	22.6	22.7	22.9	9
10	23.0	23.2	23.3	23.5	23.6	23.8	23.9	24.1	24.2	24.4	10
11	24.5	24.7	24.8	25.0	25.1	25.3	25.4	25.6	25.7	25.9	11
12	26.0	26.2	26.3	26.5	26.6	26.8	26.9	27.1	27.2	27.4	12
13	27.5	27.7	27.8	28.0	28.1	28.3	28.4	28.6	28.7	28.9	13
14	29.0	29.2	29.3	29.5	29.6	29.8	29.9	30.1	30.2	30.4	14
15	30.5	30.7	30.8	31.0	31.1	31.3	31.4	31.6	31.7	31.9	15
16	32.0	32.2	32.3	32.5	32.6	32.8	32.9	33.1	33.2	33.4	16
17	33.5	33.7	33.8	34.0	34.1	34.3	34.4	34.6	34.7	34.9	17
18	35.0	35.2	35.3	35.5	35.6	35.8	35.9	36.1	36.2	36.4	18
19	36.5	36.7	36.8	37.0	37.1	37.3	37.4	37.6	37.7	37.9	19
20	38.0	38.2	38.3	38.5	38.6	38.8	38.9	39.1	39.2	39.4	20
21	39.5	39.7	39.8	40.0	40.1	40.3	40.4	40.6	40.7	40.9	21
22	41.0	41.2	41.3	41.5	41.6	41.8	41.9	42.1	42.2	42.4	22
23	42.5	42.7	42.8	43.0	43.1	43.3	43.4	43.6	43.7	43.9	23
24	44.0	44.2	44.3	44.5	44.6	44.8	44.9	45.1	45.2	45.4	24
25	45.5	45.7	45.8	46.0	46.1	46.3	46.4	46.6	46.7	46.9	25
26	47.0	47.2	47.3	47.5	47.6	47.8	47.9	48.1	48.2	48.4	26
27	48.5	48.7	48.8	49.0	49.1	49.3	49.4	49.6	49.7	49.9	27
28	50.0	50.2	50.3	50.5	50.6	50.8	50.9	51.1	51.2	51.4	28
29	51.5	51.7	51.8	52.0	52.1	52.3	52.4	52.6	52.7	52.9	29
30	53.0	53.2	53.3	53.5	53.6	53.8	53.9	54.1	54.2	54.4	30
31	54.5	54.7	54.8	55.0	55.1	55.3	55.4	55.6	55.7	55.9	31
32	56.0	56.2	56.3	56.5	56.6	56.8	56.9	57.1	57.2	57.4	32
33	57.5	57.7	57.8	58.0	58.1	58.3	58.4	58.6	58.7	58.9	33
34	59.0	59.2	59.3	59.5	59.6	59.8	59.9	60.1	60.2	60.4	34
35	60.5	60.7	60.8	61.0	61.1	61.3	61.4	61.6	61.7	61.9	35
36	62.0	62.2	62.3	62.5	62.6	62.8	62.9	63.1	63.2	63.4	36
37	63.5	63.7	63.8	64.0	64.1	64.3	64.4	64.6	64.7	64.9	37
38	65.0	65.2	65.3	65.5	65.6	65.8	65.9	66.1	66.2	66.4	38
39	66.5	66.7	66.8	67.0	67.1	67.3	67.4	67.6	67.7	67.9	39
40	68.0	68.2	68.3	68.5	68.6	68.8	68.9	69.1	69.2	69.4	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 41.9. 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 41.9+(20—16)÷2 or 2 ft. added to 41.9 =43.9. For slopes of 1 on 1 see inside of front cover.

MADE IN U.S.A.