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.

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DEC 2 1964

1693

CITY ENGINEER'S OFFICE

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.

Index

Topography - Pueblo Lots -

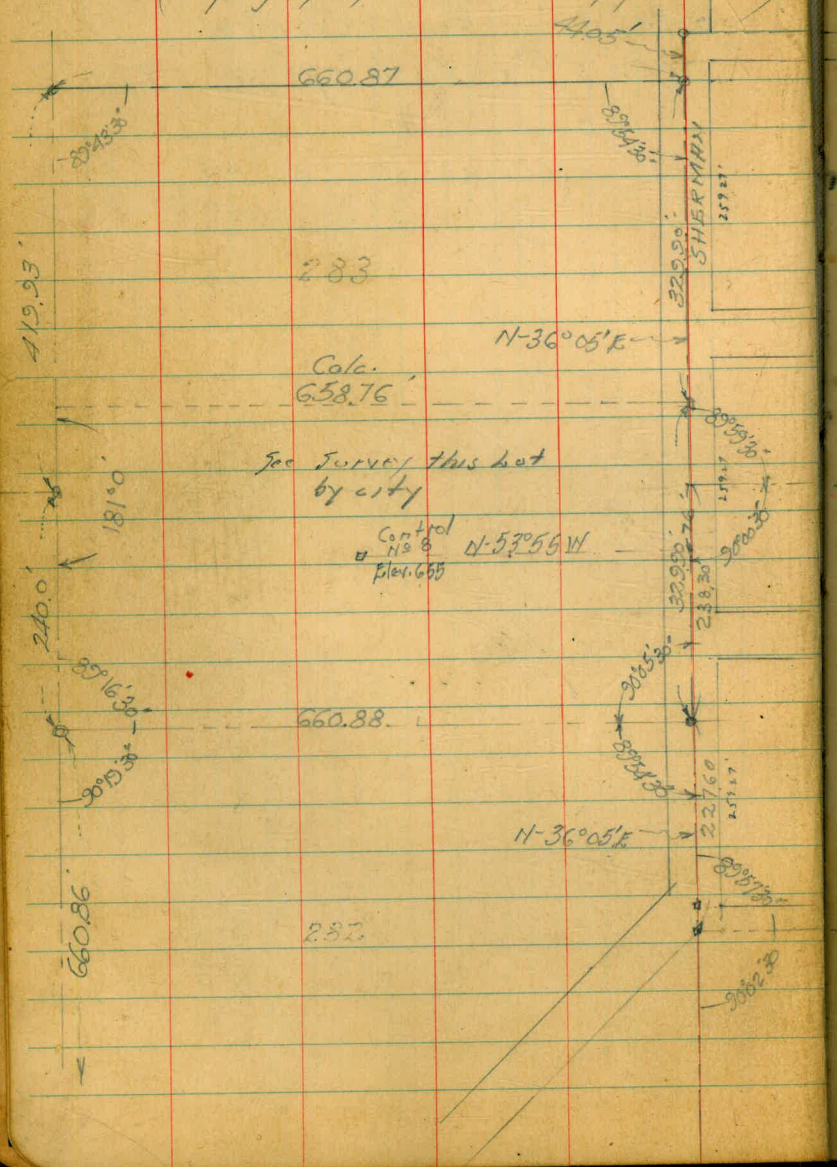
Walker, Hazard, Hardin, Begg

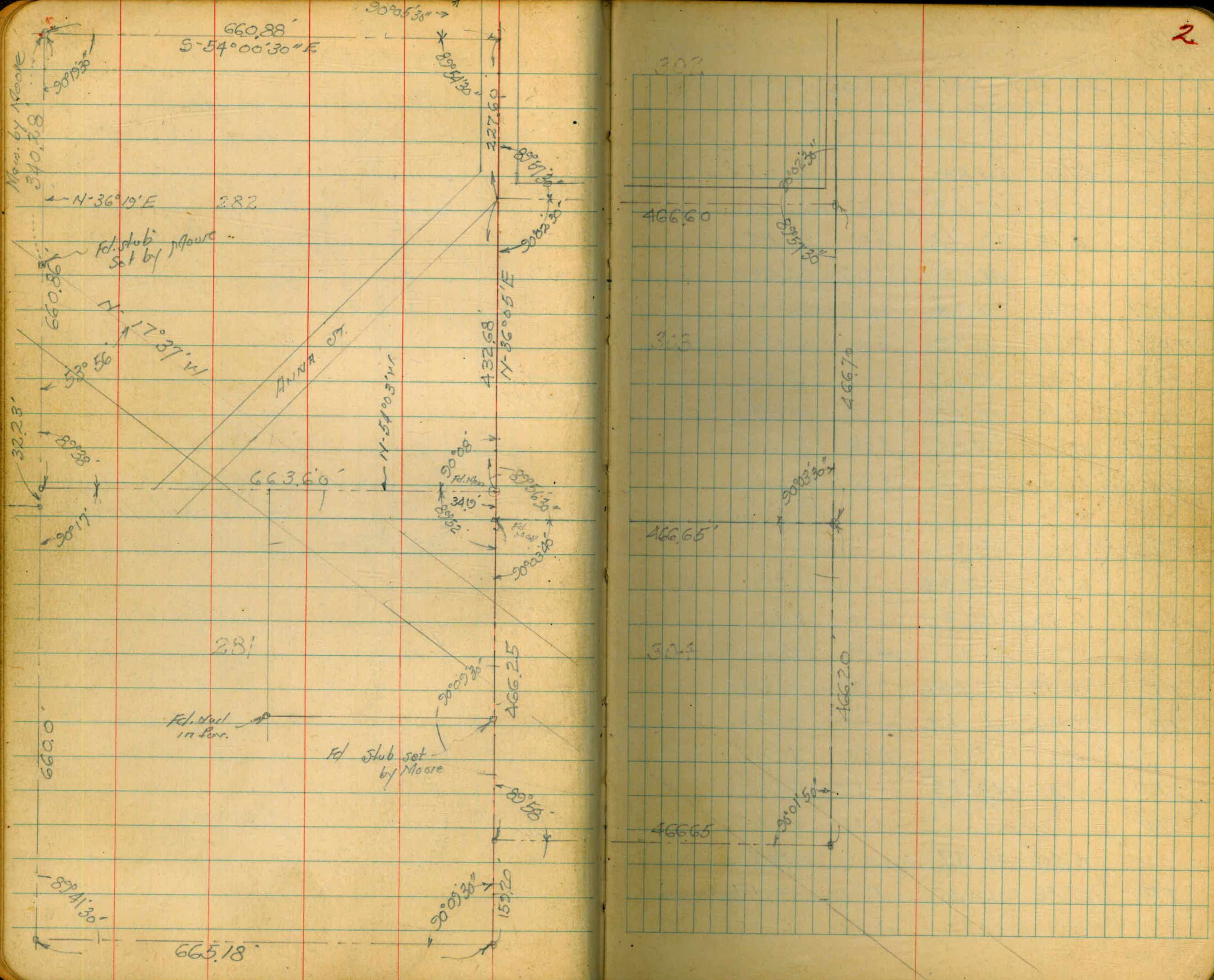
10-15-45

P.L. 281, 282, 283, ~~304~~, 302, 303, 304.

Sketch of Control Points.

(Topography on Hard Copy No 7350)




660.88'
S-54°00'30"E
90°05'30"
89°54'30"
227.60
89°57'30"
Mon. by Moore
340.88'
90°19'30"
N-36°19'E
282
Fd. stub Set by Moore
90°02'30"
660.86
N-17°37'W
53°56
ANNA ST.
N-54°03'W
432.68'
N-36°05'E
322.3'
89°38
663.60'
90°08
Fd. Mon.
341.5'
89°52
89°56'30"
Fd. Mon.
90°03'30"
90°17
281
90°09'30"
466.25
Fd. Nail in Conc.
Fd. Stub set by Moore
660.0
89°58
89°41'30"
90°09'30"
159.20
665.18
302
90°02'30"
466.60
89°57'30"
303
466.70
90°03'30"
466.65'
304
466.20
90°01'30"
466.65

Walker / Hazard / Hurlin / Begg. — BENCH MARKS — for Topography Control Points
Dk. Lots 281, 282, 283, 301, 302, 303.
Sketch Page 1, 2.

10-15-45	+	=	−	=	
Old Town Bridge	4.78	24.85		20.07	B.M. B.P. Taylor & Sand Bridge
T.P. #1	5.21	17.68	12.38	12.47	
T.P. #2	4.78	19.13	3.33	14.35	
T.P. #3	2.18	14.66	6.65	12.48	
T.P. #4	6.51	9.80	11.37	3.29	
T.P. #5	7.65	10.72	6.73	3.07	
T.P. #6	5.85	15.65	0.92	9.80	
T.P. #7	4.40	18.73	1.32	14.33	
T.P. #8	12.51	24.86	6.38	12.35	
Chk. Starting B.M.			4.76	20.10	
				20.07	
				0.03	Error.
	6.56	9.85		3.29	
T.P.	6.72	10.01	6.56	3.29	
			4.90	5.1	
T.P.	5.08	12.16	2.97	7.04	
T.P.	5.26	13.73	3.59	8.47	
T.P.	5.2	10.1	8.82	4.91	
T.P.	5.2	12.36 / 10.10	6.57	7.16	
T.P.			4.25	5.85	
	5.30	8.37		3.07	
T.P.	5.18	12.35	1.20	7.17	
			5.80	6.55	

on Conc. Mon. ~~SELY~~ Cor PL. 301
" " " SWLY " PL 301
on Stub NWLY " PL 301

on Mon Above SWLY PL 301

on Rock in Road 400' W of Control #1
on Redwood Stub Control No. 2
" " " " No. 3
" " " " No. 4
" " " " No. 5
" " " " No. 6
on Above Stub NWLY Cor PL 301
on Stub Control No. 7
" " " No. 8

Supplementary Topog. Notes. P.L. 281, 282, 283, 301, 302, 303.

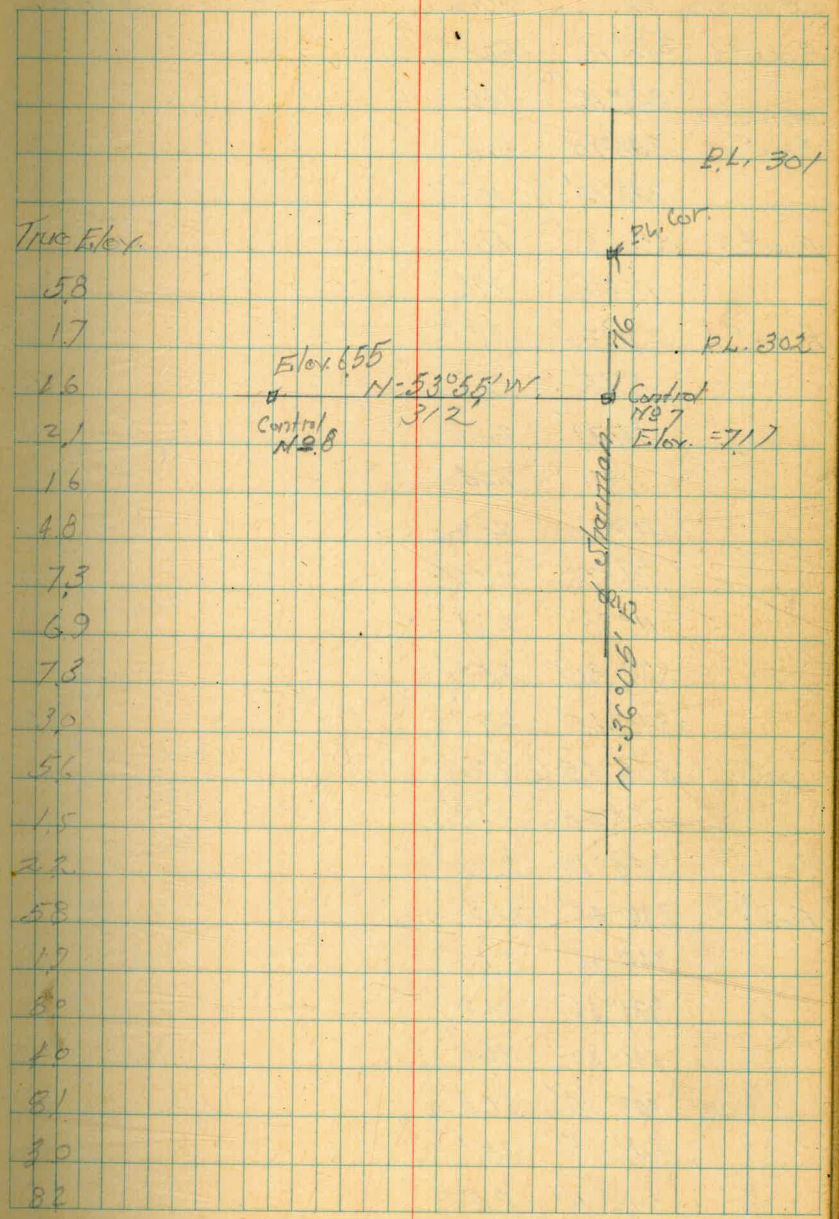
Due to Drizzling Rain Field Mapping Temporarily Abandoned

Az. from North Clockwise

Rod = 3.2

Readings from Station ☐7 Elev = 7.17

Station	Az.	Stadia	Vert △	Horiz. Dist.	Diff. Elev.
	60°55'	88	0°		
in E Road	33°40	100'	0°		
	56°05	128	0°		
	51°15'	152	0°		
" " "	36°35'	164'	0°		
	51°15	168'	0°		
" " "	39°20'	287	0° x		
	45°05'	293'	0° x		
	36°20	280	0° x		
Tel. Pole	29°15	156'	0°		
Fence #1	30°15'	247	0° x		
	15°20'	74	0°		
" "	29°40'	2.21	0° x		
" "	12°50'	64	0°		
" "	27°20	165'	0°		
Tel. Pole	0°05'	30'	0°		
Fence #1	27°	158	0°		
△ " #1	234°10	86'	0°		
" #1	24°35'	125	0°		
△ " #1	234°20'	137	0°		



True Elev.
5.8
1.7
1.6
2.1
1.6
4.8
7.3
6.9
7.8
3.0
5.6
1.5
2.2
5.8
1.0
8.0
4.0
8.1
3.0
8.2

Readings from A 7 Elev. 717

Station	Bg.	Stadia	V∆	Hor. D.	Diff. El.
~~Fence #1~~	242°15'	146			
	345°15'	145			
~~Int. Fence #2~~					
~~Fence #1~~	348°10'	152			
	243°10'	182			
~~Fence #3~~	358°35'	181			
	1°20'	192			
Fence #2	275°30'	321			
	1°20'	198			
	302°	263			
	11°	241			
	11°	260			
	336°50'	252			
	11°30'	281			
	337°30	252			
	340°15'	271			
	356°15'	324			
	354°40'	312			
	354°10'	298			
Fence #3	336°45'	313			
	345°15'	357			
	337°15'	313			
	346°40'	360			
	347°05'	368			
	347°05'	297			
	349°10'	242			

Trig. Elev.
7.0
6.5
2.5
8.7
2.1
4.1
8.4
1.8
7.0
2.5 — out
6.1
5.5
6.7 — out
3.4
5.5
6.6 — out
6.1 — out
2.1 — out
8.1
2.8 — out
1.9
6.9 out
6.9 "
1.5 "
3.8

Station	Az.	Stadia	V's	Horiz. D	Diff El.	True Elev.
	342°15	418				6.4 out.
	335°30	360				3.0 ✓
	340°40'	405				5.5 — out.
	341°15'	393'				3.8 out.
10 Hole	333°45'	357				-3.7
Cor Fence #3	330°	392				4.2 ✓
	331°	377'				-3.3 ✓
	324°30'	378				5.0 ✓
	328°10'	365'				-4.0 ✓
	325°	354				-1.7 ✓
	325°50'	333				3.0 ✓
	317°10'	396				5.4 ✓
	325°15'	317				5.6 ✓
	317°	382'				0.9 ✓
	316°30'	330'				5.2 ✓
	316°45	366'				0° ✓
	317°	340'				3.1 ✓
	313°45'	427'				4.1 ✓
	306°	422				1.0 ✓
	311°10'	375				4.8 ✓
	304°45'	420				6.5 ✓
	311°10'	351				5.6
⊡ 8	306°05	312				6.5

Indexed.
C.S.K.
Plotted T.P.S. 543
8-29-47 M.R.

Tie Pts. on Vernon Park

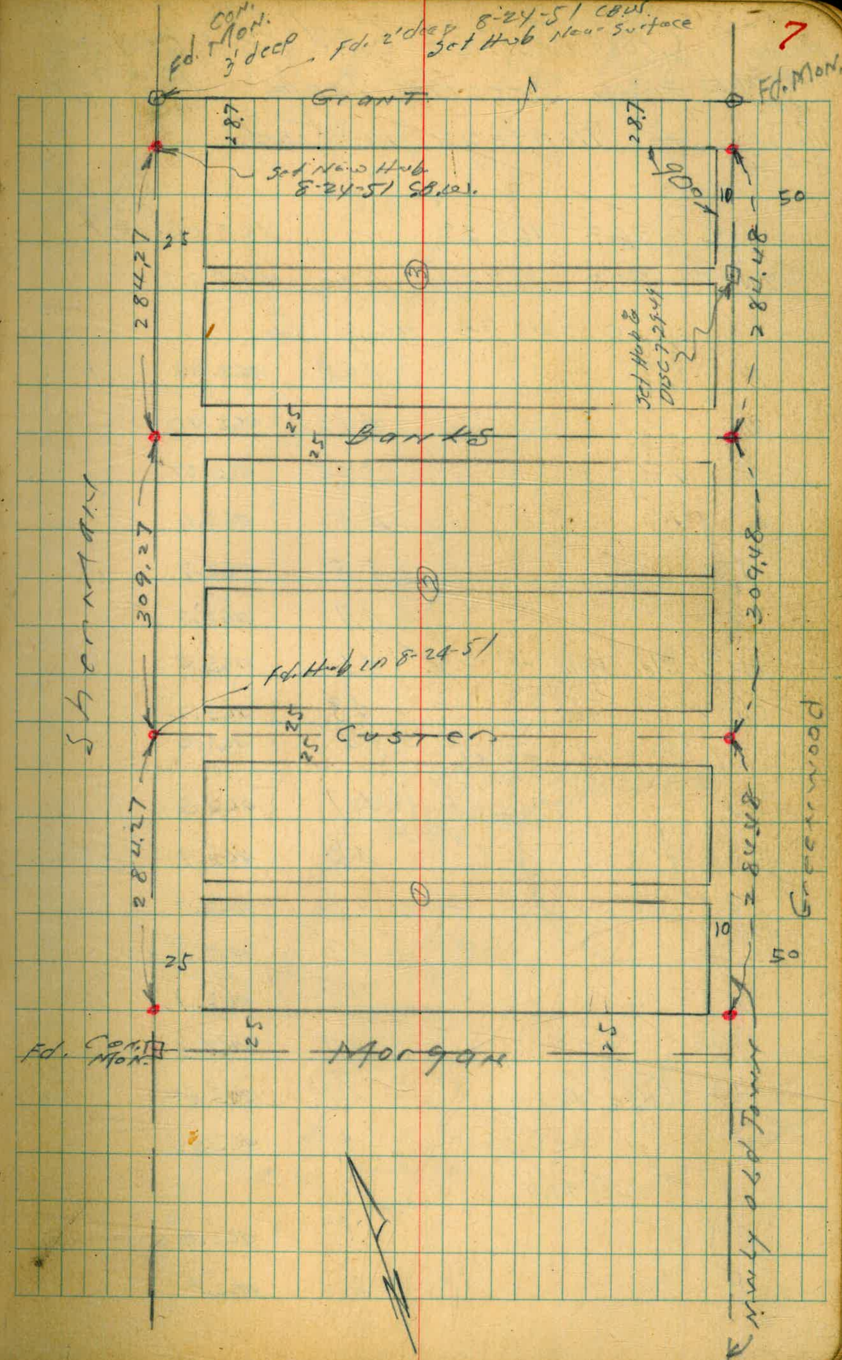
C. Moore 7-29-46. **8 hours**
Santmennmeyer
K. Moore
Begg

W.O. # 210

• = Set 2"x2" Hubs & City discs

see p. 1

310
317
1667



Walker
Hendricks
Carey
Allen
8-6-46

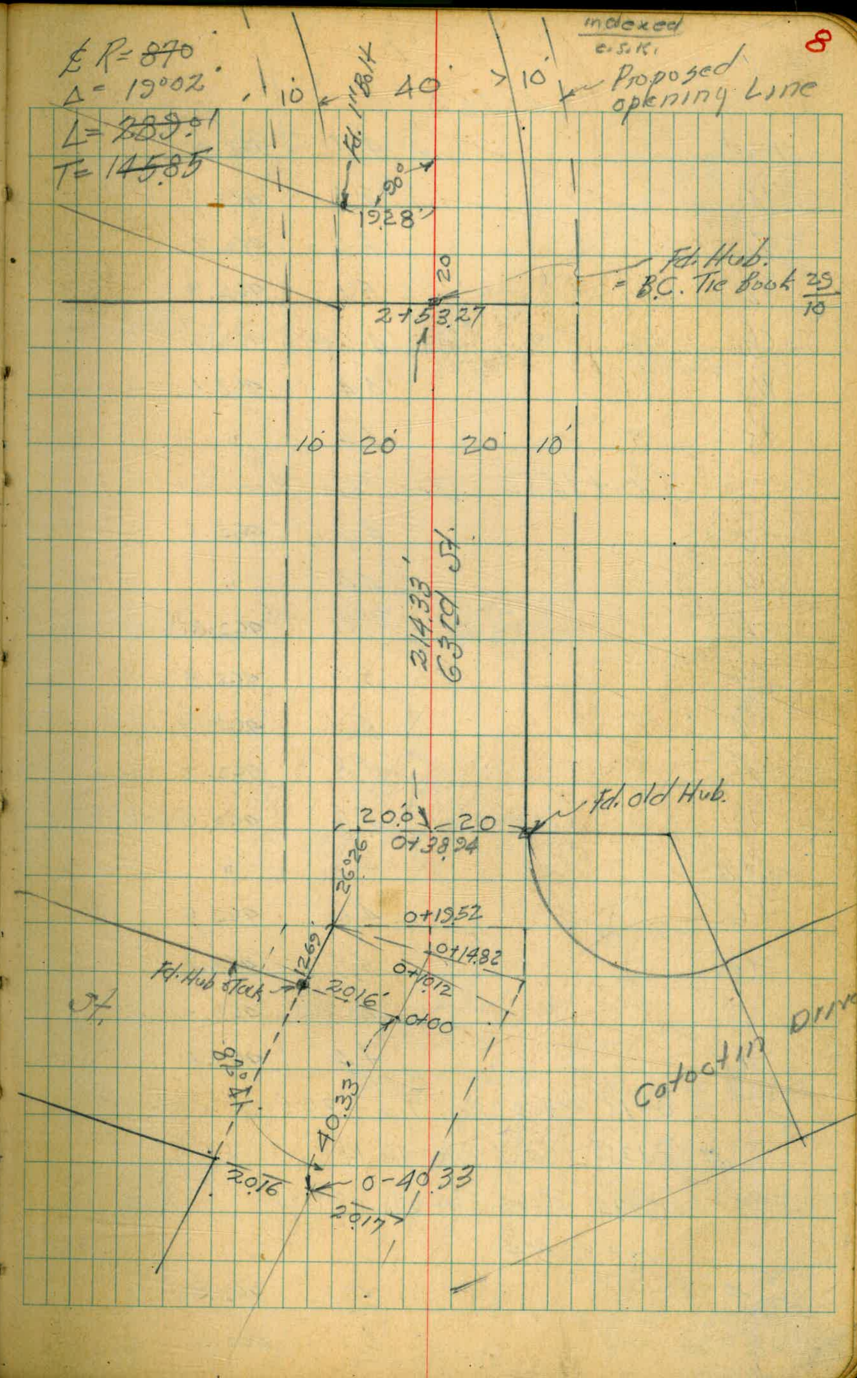
Cross Section 63rd St. from Cototin Drive to Montezuma Road.

60' Wide
10' Cbs.
10' Walks.

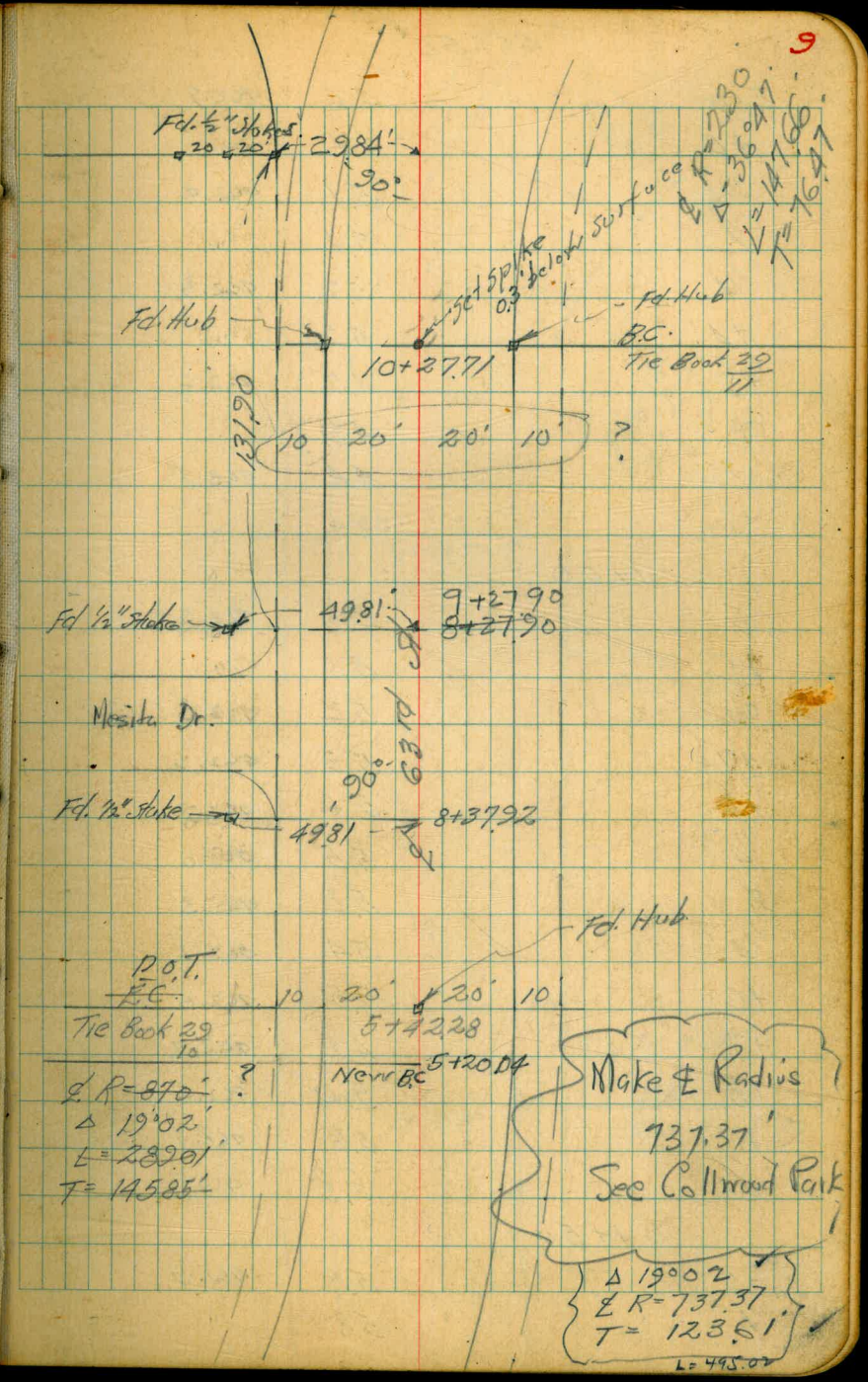
BM NW. B.P. Cotoctin & El Cajon

	3.63	462.29		465.66	
T.P.	3.23	467.52	5.00	464.29	
0 - 40.33			diag Sec		
E			4.64	462.88	
cb.			4.12	463.40	
1/4			3.95	463.57	
℄			4.5	463.0	
1/4			4.8	462.7	
+3			4.7	462.8	
+6.3 = Elec. Pole			4.1	463.4	
cb.			4.3	463.2	
r/w			4.5	463.0	
0 - 20.16					
r/w			4.7	462.8	
cb.			4.6	462.9	
1/4			4.8	462.7	
℄			4.7	462.8	
1/4			4.4	463.1	
cb.			4.2	463.3	
+2 = Edge Pav			4.18	463.34	
E			4.20	463.32	
0+00					
E-5			4.7	462.8	
E			4.7	462.8	

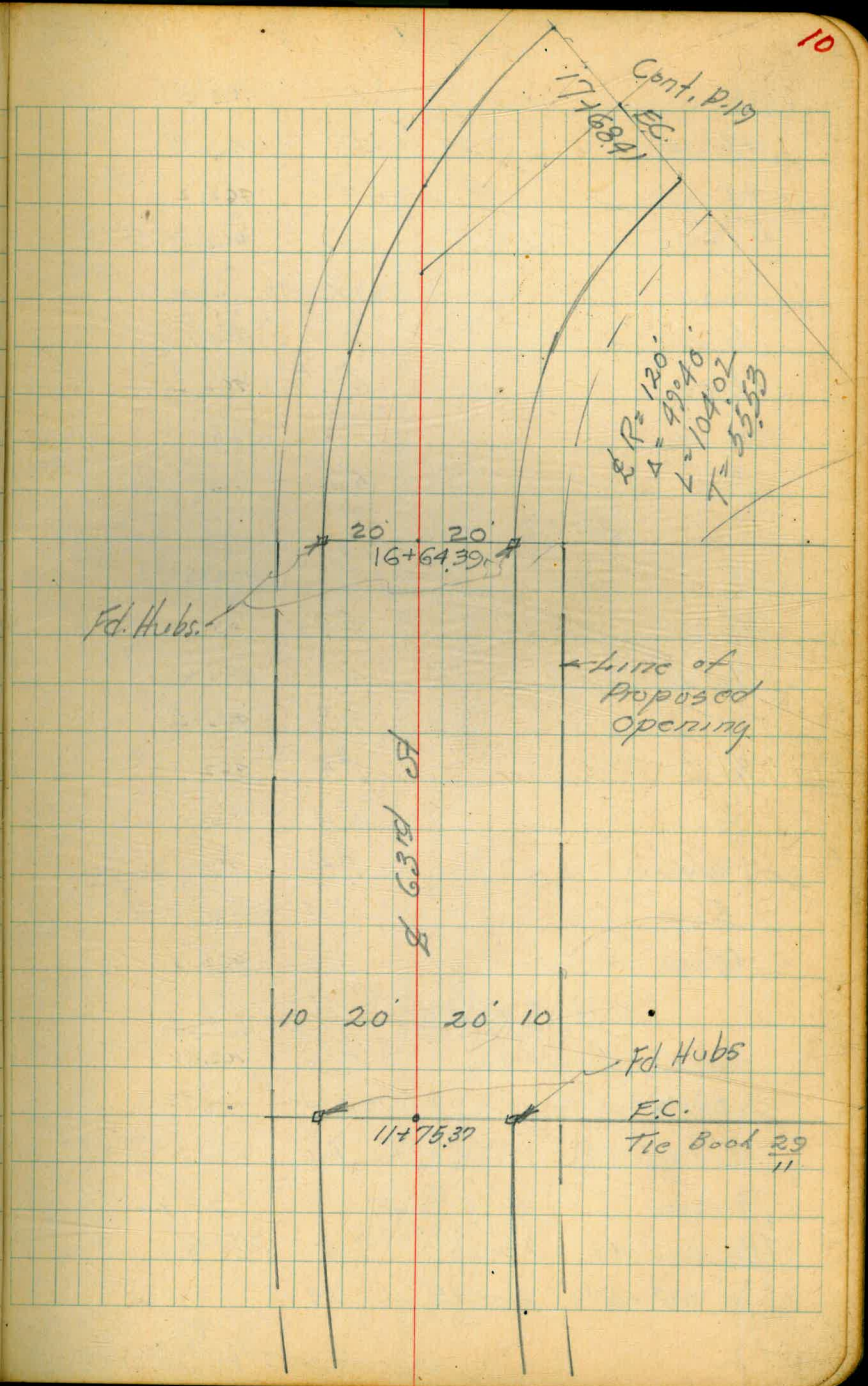
indexed e.s.k.



	467.82	
E cb.	4.7	462.8
¼	4.6	462.9
℄	4.8	462.7
¼	5.1	462.9
cb	4.6	462.9
W	4.4	463.1
+5	4.4	"
0+14.82 Sec. on Bisector		
-5	4.4	463.1
¼	4.4	"
cb	4.7	462.8
+4	5.2	462.3
¼	5.1	462.9
℄	4.8	462.7
	4.9	462.6
+4	4.9	"
+6	4.6	462.9
cb.	4.5	463.0
E	4.3	463.2
+5	4.4	463.1
0+15 = 8" Pap. Tree 20.6 Rt		
0+25.5 = Guy Pole 16' Rt		
0+34 Tel. & Elec. Pole 18.1 Lt		
0+38.94		
-5	5.2	462.3
E	5.0	462.5



	467.52 ✓		
Ecb		4.6	462.9
+6		4.6	"
1/4		5.1	462.4
℄		5.1	"
1/4		5.2	462.3
+4		5.2	"
+5		4.9	462.6
cb.		4.9	"
W.		4.4	463.1
+5		4.4	"
	1+00		
-5		5.0	462.5
W		5.0	"
cb.		5.2	462.3
+7		5.3	462.2
+8		5.6	461.9
1/4		5.5	462.0
℄		5.2	462.3
1/4		5.4	462.1
+6		5.5	462.0
+7		4.8	462.7
cb.		5.0	462.5
E.		5.6	461.9
+5		5.3	462.2
	1+50		
-5		5.8	461.7
E		5.8	"



467.52

Cb.		5.2	462.3
+3		5.0	462.5
+4		5.3	462.2
E 1/4		5.2	462.3
℄		5.2	"
1/4		5.6	461.9
Cb.		5.2	462.3
W		5.2	"
+5		5.2	"
	2+00		
-5		5.0	462.5
W		5.0	"
Cb.		4.9	462.6
1/4		5.3	462.2
℄		5.4	462.1
1/4		5.4	"
Cb.		5.4	"
E		5.4	"
+5		5.5	462.0

2+14 = ℄ Ac. Tree 8" 17' Lt. of ℄
2+20 = ℄ 4" Walk 79' Lt. on walk 462 462.90
2+26 = 16" Cocus Palm 468 462.89 19' Lt.
21' Lt.
2+49 16' Lt. = Elec Pole
" 16.6' R = Guy

T.P. 2.46 266.89 309 464.43 Top Fire Hyd.

2+81 = ℄ Fire Hyd 14' Rt.

266.89

11

2+5327 = BC. Lt

-5		4.8	462.1
E		4.9	462.0
Cb.		4.7	462.2
1/4		4.8	462.1
℄		4.5	462.4
1/4		4.4	462.5
Cb.		4.2	462.7
W		4.2	"
+5		4.2	"
	3+00		
-5		4.3	462.6
W		4.4	462.5
Cb.		4.3	462.4
1/4		4.7	462.2
℄		4.7	"
1/4		4.6	462.3
Cb.		4.2	462.7
E		4.7	462.2
+5		4.7	"
	3+50		
-5		4.8	462.1
E		4.6	462.3
Cb.		4.5	462.4
1/4		4.6	462.3
℄		4.5	462.4

466.89 ✓

⅛	4.7	462.2
Cb.	4.2	462.7
W	4.1	462.8
+5	4.1	"

3+82.5 = Poles 17' Rt = Guy 19' Lt. = Elec. Pole

4700

-5	4.2	462.7
W	4.4	462.5
Cb.	4.8	462.1
⅛	4.8	"
℄	4.5	462.4
⅛	4.6	462.3
Cb	4.6	"
E	5.0	461.9
+5	5.1	461.8

4750

-5	5.4	461.5
E	5.4	"
Cb.	5.0	461.9
⅛	4.9	462.0
℄	4.7	462.2
⅛	4.9	462.0
Cb.	5.3	461.6
W	4.9	462.0
+5	4.9	"

5700 ✓ 12

466.89

-5	4.9	462.0
W	4.8	462.1
Cb.	5.1	461.8
⅛	5.1	"
℄	4.9	462.0
⅛	5.0	461.9
Cb.	4.9	462.0
E	5.4	461.5
+5	5.5	461.4

5+20 = Poles 16.4' Lt 15.1' Rt. Guy

5+42.28

-5	5.3	461.6
E	5.3	"
Cb.	5.1	461.8
⅛	5.1	"
℄	5.0	461.9
℄ on Hub.	5.15	461.79
⅛	5.1	461.8
Cb	5.2	461.7
W	5.3	461.6
+5	5.3	"

6700

-5	4.7	462.2
W	4.5	462.4
Cb.	4.5	"
⅛	5.2	461.7
℄	5.1	461.8

46689 ✓

+2	5.0	461.9
CL.	4.7	462.2
E	5.2	461.7
+5	5.1	461.8
6+50		
-5	5.1	461.8
E	5.0	461.9
CL.	4.8	462.1
1/4	5.3	461.6
E	5.2	461.7
1/4	5.3	461.6
CL.	5.3	"
W	5.0	461.9
+5	5.1	461.8
5+95 = Pole 16.6' Lt.		
7+00		
-5	5.3	461.6
E	5.3	"
CL.	5.5	461.4
1/4	5.3	461.6
E	5.1	461.8
1/4	5.2	461.7
+2	4.9	462.0
CL.	5.0	461.9
E	5.5	461.4
+5	5.6	461.3

7+50		
-5	5.4	461.5
E	5.5	461.4
+0	5.5	"
CL.	5.0	461.9
+2	4.3	462.6
+8	4.6	462.3
1/4	5.2	461.7
E	5.2	"
1/4	5.5	461.4
CL.	5.2	461.7
W	5.4	461.5
+5	5.6	461.3
7+67 = Pole 16' Lt.		
8+00		
-5	5.6	461.3
W	5.4	461.5
CL.	5.5	461.4
1/4	5.6	461.3
E	5.3	461.6
1/4	5.7	461.2
CL.	5.3	461.6
E	5.4	461.5
+5	5.4	461.5
8+50		
-5	5.9	461.0
E	5.6	461.3

	8+50	466.89		
cb.			5.4	461.5
+6			5.5	461.4
¼			5.9	461.0
E			5.6	461.3
¼			6.0	460.9
cb.			6.1	460.8
W			5.9	461.0
+5			5.9	"
	9+00			
-5			6.5	460.4
W			6.2	460.7
cb.			6.2	"
¼			6.0	460.9
E			5.8	461.1
¼			5.9	461.0
+4			5.7	461.2
cb.			5.4	461.5
E.			5.7	461.2
+5		✓	5.7	"
T.P.	4.30	465.47	5.72	461.17
	9+20	127'4	=Pole	
	9+50			
-5			4.3	461.2
E			4.1	461.4
cb.			4.2	461.3
¼			4.5	461.0
E			44	461.1

		465.47 ✓		14
¼			4.8	460.7
cb			4.9	460.6
W			5.1	460.4
+5			5.2	460.3
	10+00			
-5			5.1	460.4
W			5.0	460.5
cb.			4.9	460.6
¼			4.8	460.7
E			4.4	461.1
¼			4.4	"
cb.			4.5	461.0
E			4.2	461.3
+5			4.3	461.2
	10+27.71 - B.C.			
-5			4.7	460.8
E			4.4	461.1
cb.			4.5	461.0
¼			4.4	461.1
E			4.3	461.2
¼			4.7	460.8
cb.			4.9	460.6
W			5.1	460.4
+5			5.1	"
	10+50			
-5			5.2	460.3
W			4.9	460.6

10+50		
cb.	5.0	460.5
¼	4.7	460.8
℄	4.2	461.3
¼	4.4	461.1
cb.	4.4	"
E	4.4	"
+5	4.4	"
10+72 = Pole 14.4 'Lt.		
10+83 Fire Hyd 14' Rt		✓ 10783
on Fire Hyd.	2.61	462.86
11+00		
-5	4.5	461.0
E	4.6	460.9
cb.	4.2	461.3
¼	4.4	461.1
℄	4.2	461.3
¼	4.5	461.0
cb.	4.4	461.1
W	4.8	460.7
+5	4.6	460.9
11+50		
-5	4.5	461.0
W	4.7	460.8
cb.	4.7	"
¼	4.6	460.9
℄	4.3	461.2
¼	4.1	461.4

cb.	4.0	461.5
E	3.5	462.0
+5	3.7	461.8
11+57.5 = ℄ 3.5' Conc. Walk		16.4' Rt
16.4 Rt. on Walk	3.55	461.92
E " "	3.33	462.14
11+75.37 = EC		
-5	4.1	461.4
E	4.1	"
cb.	4.3	461.2
¼	4.1	461.4
℄	4.3	461.2
¼	4.7	460.8
cb.	4.9	460.6
W	4.9	"
+5	4.9	"
12+00		
-5	4.8	460.7
W	4.9	460.6
cb.	4.8	460.7
¼	4.7	460.8
℄	4.4	461.1
¼	4.3	461.2
cb.	4.1	461.4
E	4.1	"
+5	4.1	"

11+91 to 12+66 = 3.5' Wire Fence on 20.3' Rt

12+10 = 24" Olive Tree on 12.6 Rt

+15 = Pole 16.2' Lt.

12+34 = 24" Olive 12.8' Rt.

12+50

-5	4.0	461.5
E	4.0	"
cb.	4.0	"
1/4	4.4	461.1
℄	4.4	"
1/4	4.7	460.8
cb.	4.8	460.7
W	4.6	460.9
+5	4.8	460.7

12+58 = 24" Olive 13.4' Rt

13+00

-5	4.8	460.7
W	4.8	"
cb.	4.9	460.6
1/4	4.8	460.7
℄	4.6	460.9
1/4	4.4	461.1
cb.	4.4	"
E	4.5	461.0
+5	4.5	"

13+07 = 18" Olive 13' Rt.

13+32 " " "

13+50

-5	4.3	461.2
E	4.4	461.1
cb.	4.4	"
1/4	4.5	461.0
℄	4.3	461.2
1/4	4.7	460.8
cb.	5.0	460.5
W	4.6	460.9
+5	4.5	461.0

13+56 = 18" Olive Tree 12.5' Rt.

13+67 15.2' Lt. = Pole

13+81 24" Olive 12.2' Rt.

+94 ℄ 2.5' Conc. Walk on Rt. 19.5

E. Line on walk 3.70 461.77

14+00

-5	4.4	461.1
W	4.4	"
cb.	4.7	460.8
1/4	4.6	460.9
℄	4.4	461.1
1/4	4.3	461.2
cb.	4.2	461.3
E	4.0	461.5
+5	3.9	461.6

14+04 24" Olive T 13' Rt.

+28 " " "

465.47 ✓

14+50

-5	4.5	461.0
E	4.4	461.1
cb.	4.4	"
¼	4.5	461.0
℄	4.3	461.2
½	4.6	460.9
cb.	4.6	"
¾	4.5	461.0
+5	4.5	"

14+52 = 10" olive 13' Rt.

+76 12" " 13' "

15+00

-5	4.6	460.9
W	4.5	461.0
cb	4.5	"
¼	4.7	460.8
E	4.4	461.1
¼	4.6	460.9
cb	4.4	461.1
E	4.4	"
+5	4.4	"
T.P.	4.34	461.13

4.04 465.17 ✓

15+01 10" Olive Tree 13' Rt.

+18 Pole 16' Lt.

+24 12" Olive Tree 13.4' Rt.

465.17 ✓

15+47 10" Olive 13.5' Rt.

15+50

-5	4.4	460.8
E	4.4	"
cb.	4.2	461.0
¼	4.6	460.6
℄	4.2	461.0
½	4.4	460.8
cb	4.6	460.6
W	4.8	460.4
+5	5.0	460.2

16+11 12" Olive 19' Rt.

16+00

-5	4.5	460.7
W	4.7	460.5
cb.	4.9	460.3
¼	5.1	460.1
℄	4.9	460.3
½	4.9	"
cb.	4.8	460.4
E	5.1	460.1
+5	5.2	460.0

16+42 = 16" Olive 14.5' Rt.

16+64.39 = B.C. Rt.

-5	6.9	458.8
℄	6.7	459.0

TT 465.17 ✓

15+47 10" Olive Tree 13.5' Rt.

16+64.39 Cont.

E cb.	6.0	459.2
1/4	6.3	458.9
℄	6.1	459.1
1/4	6.2	459.0
cb.	5.0	460.2
W	5.6	459.6
+5	5.8	459.4

16+66 = 16" Olive 14.5' Rt

16+81 = 18" ✓ 13' Rt

16+90.39

-5	6.0	459.2
W	6.0	"
cb.	6.2	459.0
1/4	6.3	458.9
℄	6.6	458.6
1/4	6.8	458.4
cb.	6.8	"
E	6.4	458.8
+5	6.7	458.5

17+16.4

-5	7.2	458.0
E	7.0	458.2
cb.	6.7	458.5

1/4	6.9	458.3
℄	7.0	458.2 ✓
1/4	6.7	458.5
cb.	6.8	458.4
W	6.8	"
+5	6.8	"

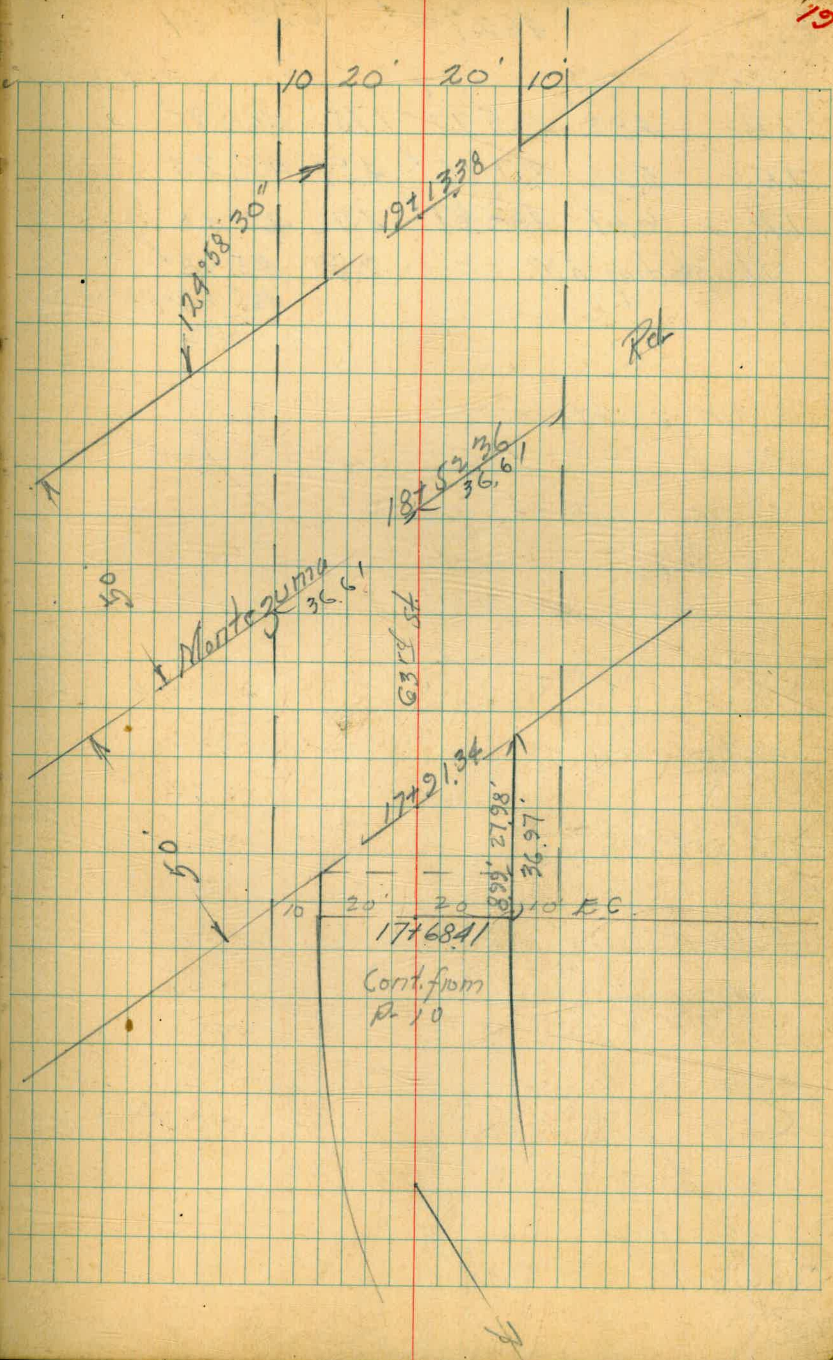
17+42.4

-5	6.1	459.1
W	5.9	459.3
cb.	6.7	458.5
1/4	7.1	458.1
℄	7.5	457.7
1/4	7.3	457.9
cb.	6.8	458.4
E	7.3	457.9
+5	7.6	457.6

17+68.41 = E.C.

-5	7.7	457.5
E	7.6	457.6
cb.	7.3	457.9
1/4	7.8	457.4
℄	7.3	457.9
1/4	6.4	458.8
cb.	6.6	458.6
W	7.6	457.6
+5	7.4	457.8

		465.17 ✓			
T.P.	2.62	462.70	✓ 5.09	460.08	Fire Hyd. SE. 63rd & Montezuma
	17+21.34	diag. Section			
W			5.1	457.6	
Cb.			5.2	457.5	
1/4			5.3	457.4	
℄			5.6	457.1	
1/4			5.3	457.4	
Cb.			5.1	457.6	
E			5.4	457.3	
	18+52.36				
E			5.7	457.0	
Cb			5.4	457.3	
1/4			5.8	456.9	
℄			5.5	457.2	
1/4			5.6	457.1	
Cb.			6.4	456.3	
W			5.7	457.0	
	19+13.38				
W			7.1	455.6	
Cb.			7.8	454.9	
1/4			7.9	454.8	
℄			6.9	455.8	
1/4			6.8	455.9	
Cb.			5.6	457.1	
E.			5.8	456.9	



46270 ✓ 6315 54

		✓		
T.P.	4.82	465.77	1.75	460.95
T.P.	5.92	467.16 ✓	4.53	461.24
T.P.	6.27	468.67 ✓	4.76	462.40
Chk. Sterling BM.			2.99	465.68 ✓

465.66 - BM-P8
0.02

Walker
Hendricks
Carey
Allen
8-7-46

Curb & Paving Elevations-
Cocos Lane and College Ave

				B.M. on Fire Hyd. P-15
	4.58	467.44	462.86	
TP	1.00	465.87	2.57	464.87
TP	6.56	459.87	12.56	453.31
	0-45.38 = ℄ College			
202.41	Lt of ℄ Cocos Lane		3.28	456.59 on Pav.
182.41	" " " " "		3.45	456.42 " "
162.41	" " " " "		3.76	456.11 " "
142.41	" " " " "		4.00	455.87 " "
122.41	" " " " "		4.43	455.44 " "
102.41	" " " " "		4.94	454.93 " "
77.8	" "		5.44	454.93 " "
45.2		" "	6.12	453.75 " "
℄		" "	7.41	452.96 " "
9.26	Lt " " " "		7.70	452.17 " "
35.13	" " " " "		8.68	451.19 " "
55.13	" " " " "		9.53	450.34 " "
75.13	" " " " "		10.57	449.30 " "
95.13	" " " " "		11.71	448.16 " "
115.13	" " " " "		12.93	446.94 " "
135.13	" " " " "		14.22	445.65
	0-15.88 = ℄ Cb Line			
149.05	Lt of ℄ on Cb		13.86	446.01
"	" " Gut.		14.56	445.31

indexed
E.S.K.

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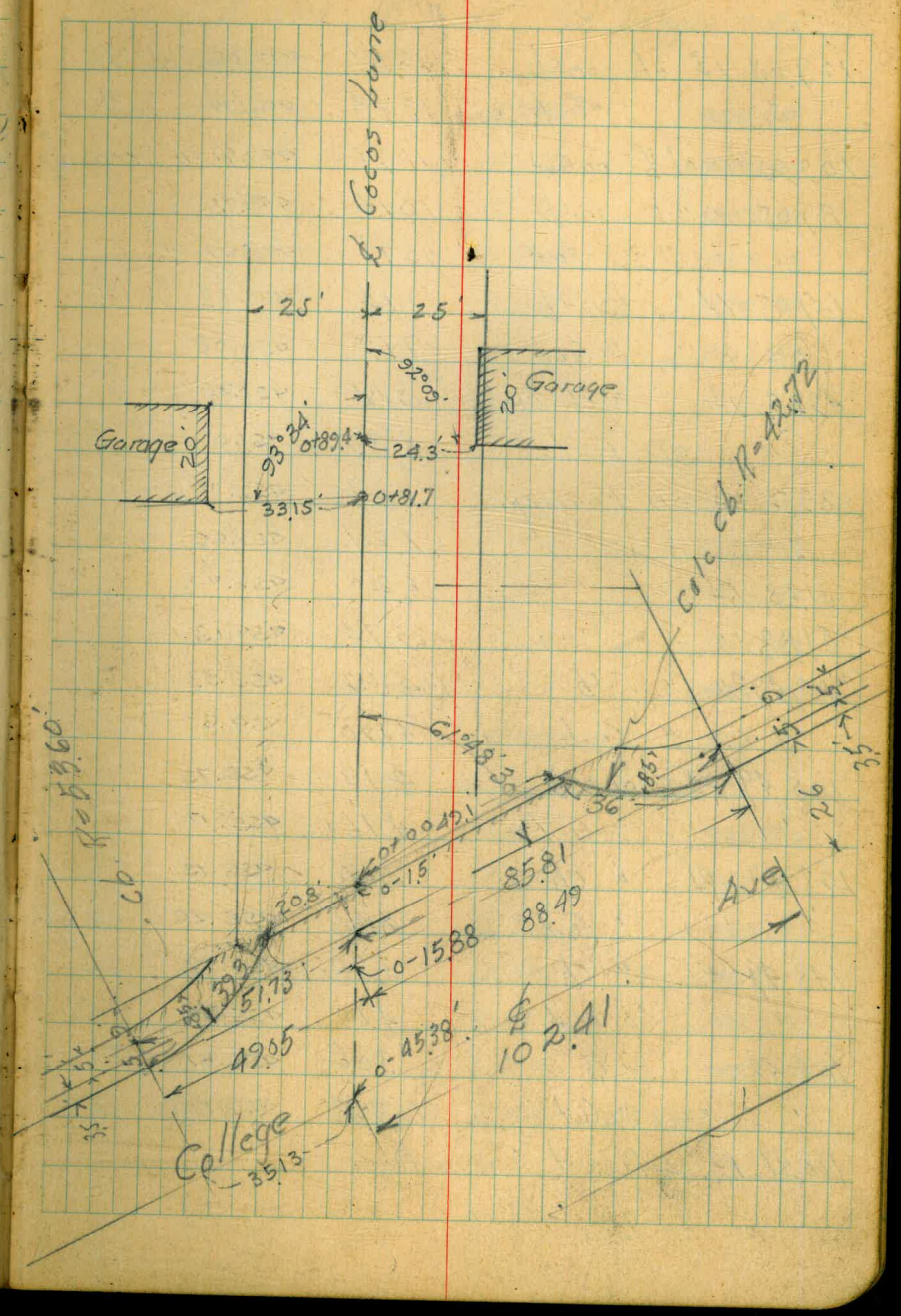

45987 ✓ Cocos Lane

129.05 Lt of ℄ on Cb	12.51	447.36	
" " " Gut	13.13	446.74	
109.05 " of ℄ on Gut	11.96	447.91	In Drive
89.05 " " " on Cb	10.14	449.73	
" " Gut	10.78	449.09	
69.05 Lt on Cb	9.14	450.73	
" " Gut	9.79	450.08	
49.05 Lt " Cb BC	8.17	451.70	
" on Gut.	8.85	451.02	
23.7 Lt. on Paving.	7.87	452.00	
℄ " "	7.21	452.66	
31.28 Rt " "	6.40	453.47	
59.88 " " "	5.74	459.13	
88.49 " " Cb	4.54	455.33	
" " Gut	5.20	454.67	
108.49 Rt on Cb	4.12	455.75	
" " Gut	4.76	455.11	
128.49 Rt " Cb	3.72	456.15	
" " " Gut	4.41	455.46	
148.49 " " Cb	3.38	456.49	
" " Gut	4.00	455.87	
168.49 " " Cb	3.06	456.81	
" " Gut	3.68	456.19	
188.49 Rt. Left out car in Road			

45987 ✓

22

Total

S.E. Ret 3 Parts cb Length = 36'

BC on College

Part 1 on Cb	4.83	455.09	
" " Gut	5.46	454.81	
" 2 " Cb	5.12	454.75	
" 2 " Gut.	5.74	454.13	
" 3 " Cb	5.42	454.45	
" 3 " Gut. 1.5' from cb End	6.07	453.80	

NE Ret cb Length 39.3' 3 Parts

BC on College

Part 1 on Cb.	7.67	452.20	
" 1 " Gut.	8.39	451.98	
" 2 " Cb.	7.38	452.99	
" 2 " Gut	7.94	451.93	
" 3 " " 1.5 from End Cb	7.71	452.16	
" 3 on Cb.	7.04	452.83	

0 - 1.5' = Edge existing Paving.

10' Lt of ℄ on Pav.	7.45	452.42	
℄ on Pav.	7.11	452.76	
10' Rt " "	6.90	452.97	
20' " " "	6.70	453.17	
30' " " "	6.46	453.41	
40' " ✓	6.22	453.65	
T.P 12.29 ~~465.60~~	6.56	453.31	

Cont. P-23

465.60 ✓

0+81.7 = Garage on Lt.			5.55	460.05
1+01.7 " " Lt.			5.55	460.05
0+89.4 Garage on Rt.			4.85	460.75
1+09.4			4.83	460.77
T.P.	7.96	461.27	12.29	453.31
T.P.	0.31	449.53	12.06	449.22
T.P.	5.86	444.14	11.25	438.28

Cont. P-24

Walker
Hendricks
Curef
Allen
8-7-46

Levels Curb And Gutters College And Mesita Drive

444.14 from P-23

0-40 = ℄ College

119' Lt.		2.06	442.08
99' "		3.44	440.70
79' "		4.84	439.30
59' Lt		6.18	437.96
25' Lt		8.48	435.66
℄		10.13	434.01
25' Rt		11.48	432.66
49' Rt.		12.49	431.65
79' R		13.57	430.57
109' Rt.		14.31	429.83
	0-14		
125' Lt	on Cb.	1.30	442.84
"	" Gut.	1.91	442.23
99' Lt	" Gut in Drive	3.65	440.49
79' Lt	on Cb.	4.47	439.67
79' Lt	" Gut	5.00	439.14
59' Lt	on Cb.	5.86	438.28
"	" Gut.	6.48	437.66
25' Lt	on Pav	8.86	435.28
℄	" "	10.27	433.87
25' Rt		11.41	432.73
49' R =	cb B.C. Rt on cb	11.89	432.25
"	" Gut.	12.95	431.69

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C.S.K.

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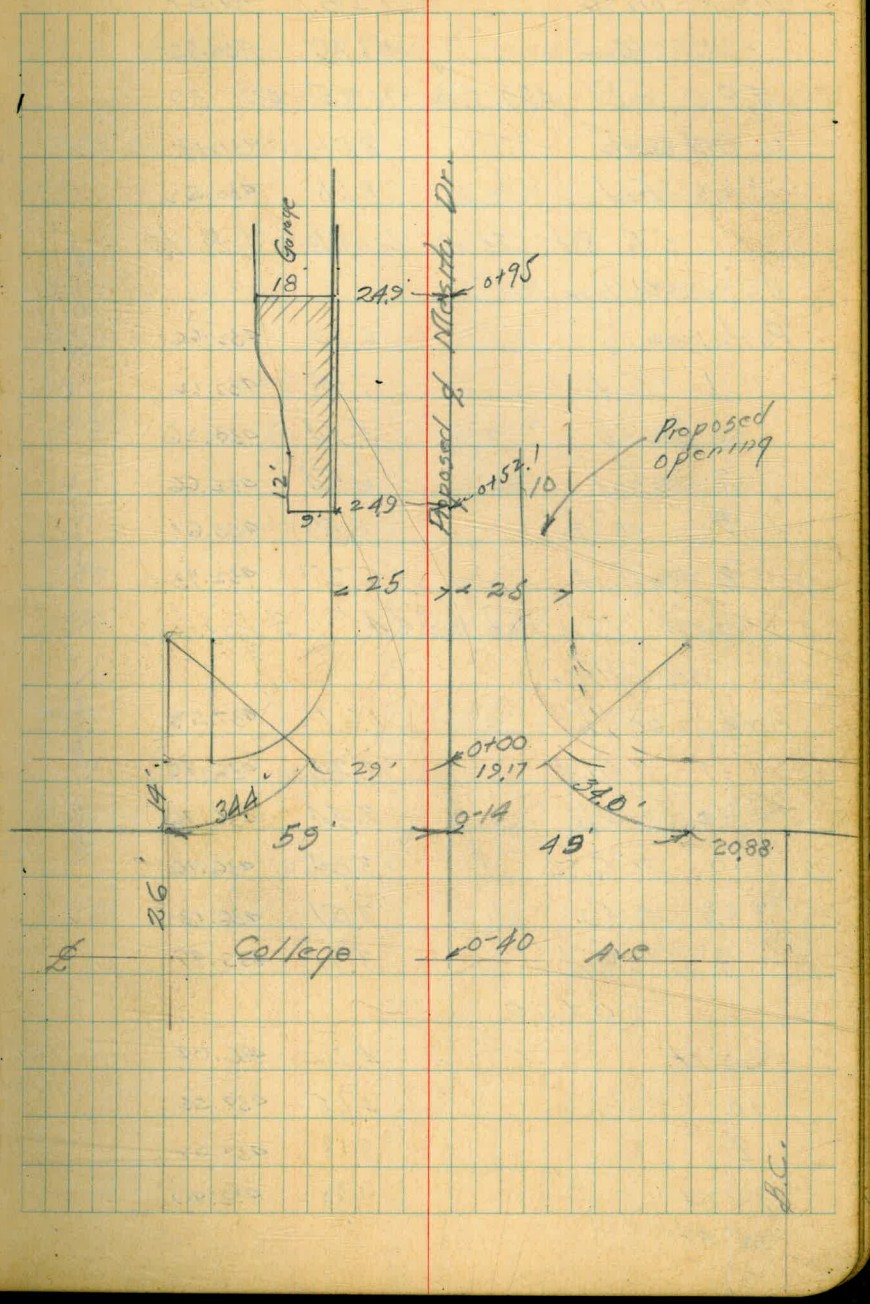


444.14

79' Rt on cb			12.57	431.57
" " " Gut.			13.19	430.95
T.P.	6.81	439.20	11.75	432.39
109' Rt on cb			8.01	431.19
" " " Gut			8.68	430.52
SE Ret 31' = cb. Length, 3 Parts				
B.C. on College				
Part 1 on cb			6.54	432.66
" 1 " Gut.			7.08	432.12
" 2 " cb			5.94	433.26
" 2 " Gut.			6.54	432.66
" 3 " on cb			5.59	433.61
" 3 " Gut.			6.27	432.93
NE Ret = 34.4' 3 Parts				
B.C. on College				
Part 1 on cb			1.67	437.53
" 1 " Gut			2.25	436.95
" 2 " Cb			2.44	436.76
" 2 " Gut			3.04	436.16
" 3 " Cb.			3.07	436.13
" 3 " Gut.			3.71	435.49
0+00				
20' Lt.			4.16	436.04
10 "			4.65	434.55
℄			5.18	434.02
10 Rt			5.80	433.40
~~20' Rt~~				

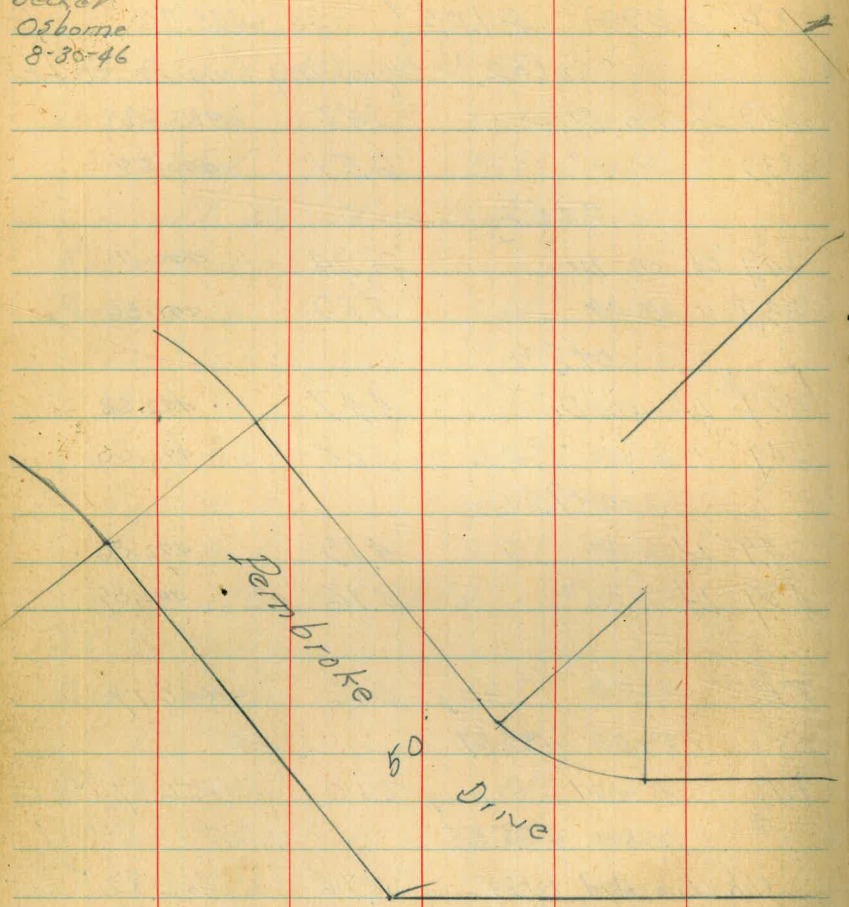
Notes Reduced - Pg. 8 to 25 - JG 8-8-96

439.20

T.P.	8.29	447.05	0.44	438.76
0+52.1 = Beginning Conc. Dr. on Lt.				
24.9' Lt. on Drive			7.42	439.63
33.9 " " "			6.51	440.54
0+62				
24.9' Lt. on Dr			6.94	440.11
33.9 " " "			5.69	441.36
0+83				
42.9 Lt on Dr			4.47	442.58
24.9 " " "			5.05	442.00
0+95				
24.9' Lt.			4.19	442.86
42.9 Lt.			4.16	442.89
T.P.			0.86	446.19
	12.18	458.37		
T.P.			2.10	456.27
	9.38	465.65		
Chk Fire Hyd 10+83 P-15			2.76	462.89
				462.86
				0.03

Walker
Hendricks
Becker
Osborne
8-30-46

Tie to South Boundary
Collwood Park + 6300 St.



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C.I.S.K.

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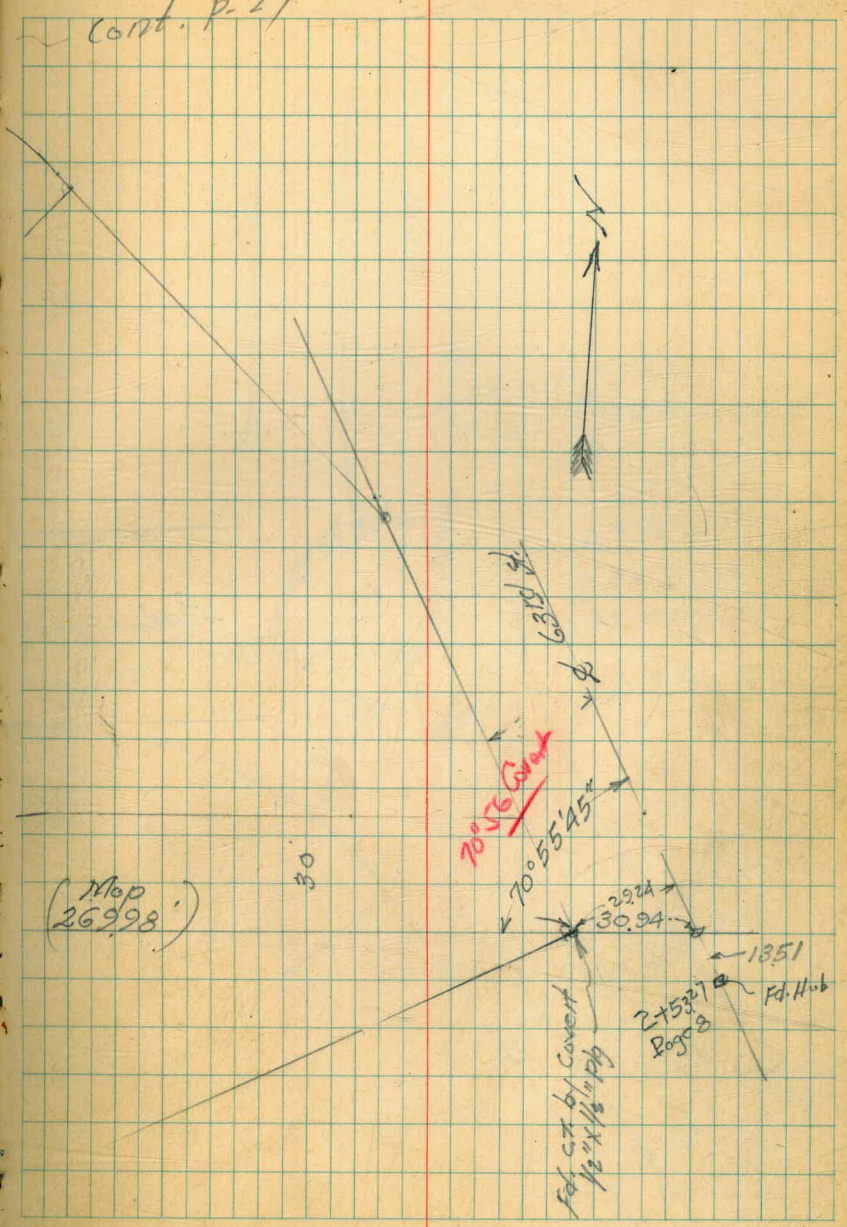
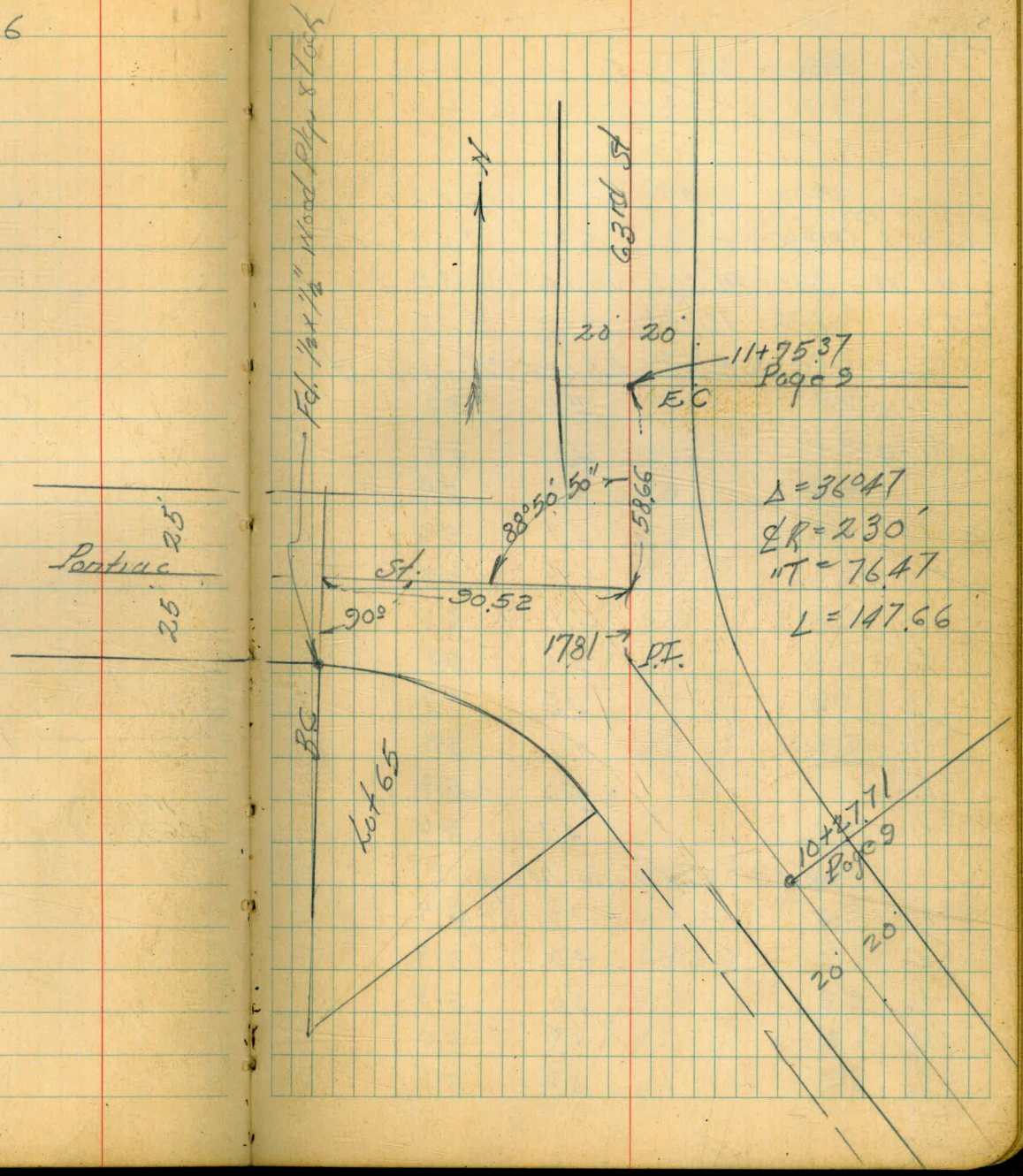
Cont. p. 27



Cont. from P-26



Walker
Hendricks
Secker
8-30-46

Cross Section - Greenwood St.

60' Wide 10' Cbs 10' W&S

from Morgan to Grant St.

See Sketch Page 29

	099 Greenwood	13.47		12.48	PKA Mon SELY. Cor PL-301-Page 3 10' ELY of WLY Line
on Hub	5+93.96=℄	Banks	5.87	7.60	
chk. Mon	SWLY	PL. 301	10.16	3.31	Page 3.
T.R.	4.86	10.01	8.02	5.45	Rock

0-25 = SLY Line Morgan St.

W-10			7.1	3.2	
W-4			4.9	5.4	
W			4.9	5.4	
+6			4.7	5.6	
+10=Cb.			4.1	6.2	
1/4			4.1	6.2	
℄			4.5	5.8	
1/4			4.6	5.7	
Cb.			4.9	5.4	
E.			5.0	5.3	
+10			4.7	5.6	

0+00 - NLY. Line Morgan

-10			4.9	5.4	
E.			4.9	5.4	
Cb.			5.0	5.3	
1/4			5.1	5.0	
℄			5.1	5.1	

10 31

0+00 Cont

Indexed C.S.K.

28

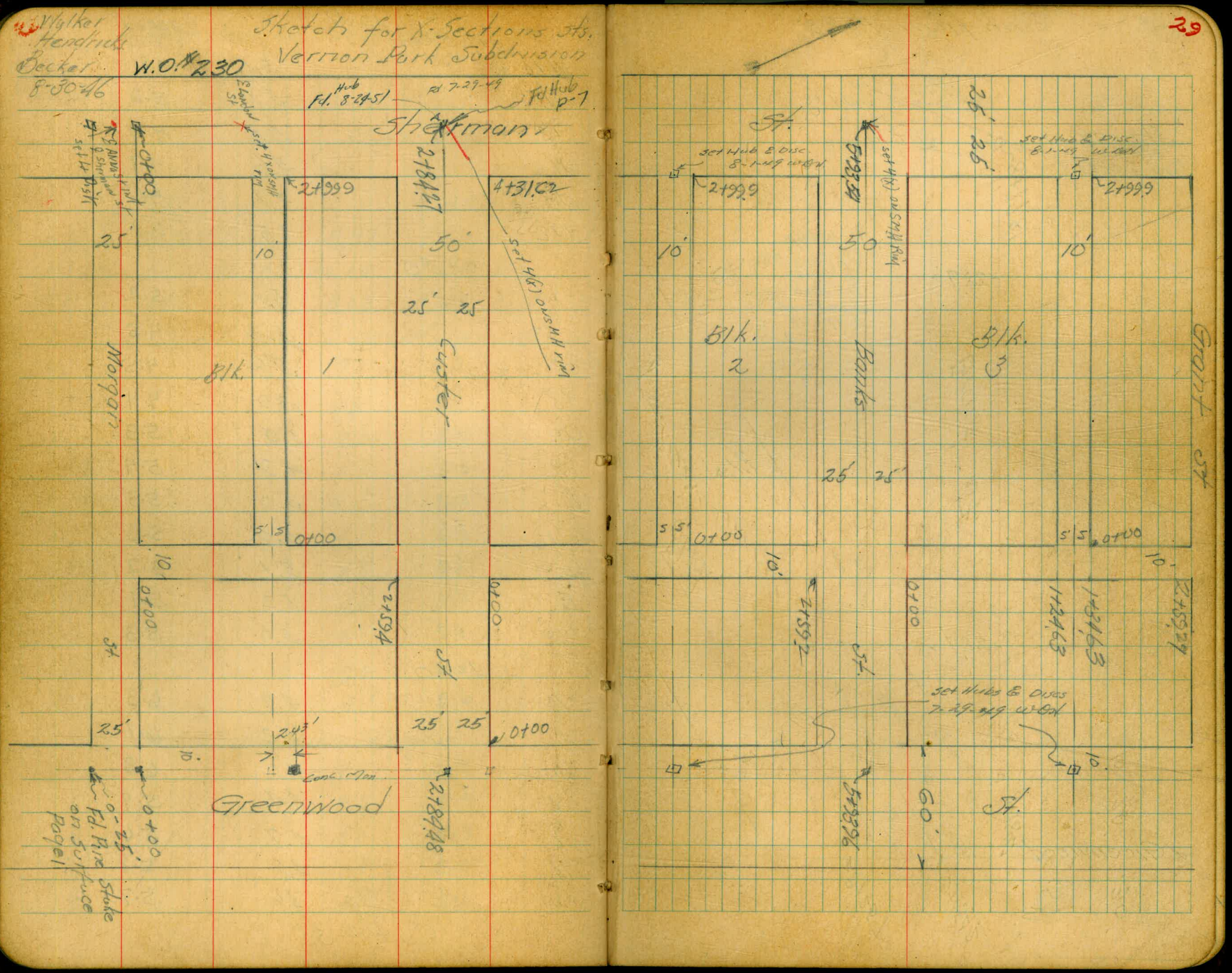
W 1/4	5.5	4.8
Cb	5.1	5.2
+5	5.8	4.5
W	5.6	4.7
+3	4.7	5.6
+12	6.5	3.8
0+50		
-10	5.1	5.2
-4	5.8	4.5
W	5.8	4.5
+3	5.9	4.4
Cb.	5.0	5.3
1/4	4.9	5.4
℄	5.0	5.3
E 1/4	5.0	5.3
Cb.	5.1	5.2
E	5.2	5.1
+10	5.0	5.3
1+00		
-10	4.0	6.3
E	4.2	6.1
Cb.	4.0	6.3
1/4	4.4	5.9
℄	4.7	5.6
1/4	4.5	5.8
Cb.	4.6	5.7

Cont. P-30

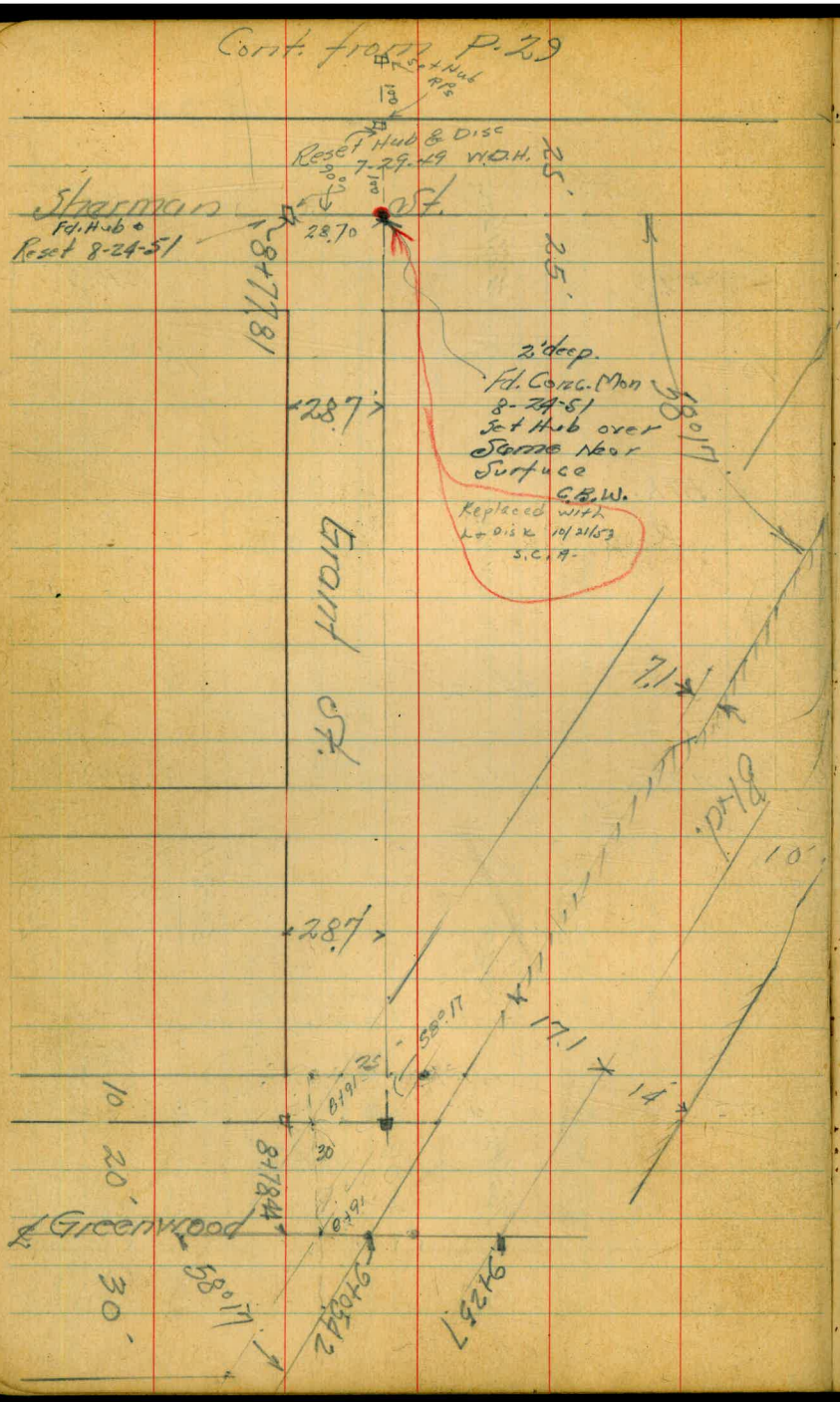
Wylker
Hendricks
Becker
8-30-46

W.O.# 230

Sketch for X-Sections Sts.
Vernon Park Subdivision



Cont. from P. 29



10.31 Cont. from P-28

1+00

W Cb +8	6.0	4.3
W	6.0	4.3
+5	5.7	4.6
+10	4.3	6.0

1+50

-10	5.4	4.9
W-4	5.7	4.6
W	5.8	4.5
+4	5.9	4.4
Cb.	5.3	5.0
¼	4.7	5.6
℄	4.4	5.9
¼	4.1	6.2
Cb.	4.0	6.3
E.	4.0	6.3
+10	4.0	6.3

2+00

-10	4.2	6.1
E.	4.2	6.1
Cb.	4.4	5.9
¼	4.6	5.7
℄	4.7	5.6
¼	5.0	5.3
Cb.	5.4	4.9
W	4.8	5.5
+10	4.7	5.6

10.31 Greenwood St. 30

2+50

-10	4.5	5.8
W	4.4	5.9
Cb.	4.2	6.1
¼	4.6	5.7
℄	4.7	5.6
¼	4.9	5.4
Cb.	5.0	5.3
E.	4.9	5.4
+10	4.7	5.6

2+59.48 = SLy Line Custer St.

-10	4.7	5.6
E.	4.9	5.4
Cb.	5.0	5.3
¼	4.7	5.6
℄	4.6	5.7
¼	4.6	5.7
Cb	4.1	6.2
W	4.0	6.3
+10	4.4	5.9

2+84.48 = ℄ Custer St.

W	3.7	6.6
Cb	4.0	6.3
¼	4.4	5.9
℄	5.0	5.3
¼	4.6	5.7

		10.31	Greenwood St	
cb.			4.5	5.8
E.			4.9	5.9
+10			4.4	5.9
	3+02.48 = HLY Line Custer St.			
-10			4.0	6.3
E.			4.0	6.3
cb.			3.9	6.4
1/4			4.0	6.3
E.			3.9	6.4
1/4			3.6	6.7
cb.			3.4	6.9
W.			3.6	6.7
	3+50			
-10			3.8	6.5
W			3.4	6.9
cb.			3.5	6.8
1/4			3.8	6.5
E.			4.1	6.2
1/4			4.1	6.2
cb.			4.4	5.9
E			4.6	5.7
+10			4.7	5.6
T.P.	5.43	10.88	4.86	5.45
	3+62			
E. -10			5.0	5.9
E			5.2	5.7
cb			5.5	5.4

		10.88		-31
+3			5.1	5.8
1/4			5.1	5.8
+3			4.9	6.0
E.			4.3	6.6
+8			4.9	6.0
1/4			5.1	5.8
cb.			5.1	5.8
W.			4.6	6.3
+10			4.8	6.1
	3+75			
-10			4.7	6.2
W.			4.6	6.3
cb.			4.7	6.2
+4			4.5	6.4
+6			3.7	7.2
1/4			3.8	7.1
E.			3.7	7.2
+3			4.5	6.4
1/4			5.1	5.8
cb.			4.5	6.4
E.			4.8	6.1
+10			5.6	5.3
	3+83			
-10			5.7	5.2
E.			5.5	5.4
cb.			5.3	5.6

10.88

E 1/4		5.2	5.7
+8		4.8	6.1
E		3.8	7.1
1/4		4.6	6.3
Cb.		4.7	6.2
W		4.7	6.2
+10		4.7	6.2
	3+91		
-10		4.9	6.0
W		4.9	6.0
Cb.		5.0	5.9
1/4		5.0	5.9
E		5.0	5.9
1/4		5.3	5.6
Cb.		5.6	5.3
E.		5.8	5.1
+10		5.6	5.3
	4+05		
-10		6.7	4.2
E.		6.1	4.8
Cb		5.5	5.4
1/4		5.3	5.6
E		5.6	5.3
1/4		5.7	5.2
Cb		5.6	5.3
IN		5.7	5.2
+10		5.7	5.2

10.88 Greenwood St. 32

	4+10		
-10		5.4	5.5
W		5.2	5.7
Cb		4.2	6.7
1/4		4.9	6.0
E		5.8	5.1
1/4		5.6	5.3
Cb.		5.6	5.3
E.		6.1	4.8
+10		6.5	4.4
	1+21		
-10		6.7	4.2
E.		6.2	4.7
Cb.		5.7	5.2
1/4		6.1	4.8
E		6.0	4.9
1/4		5.2	5.7
Cb.		4.6	6.3
W		4.2	6.7
+8		4.6	6.3
+12		5.7	5.2
	1+46		
-10		6.4	4.5
W		6.6	4.3
Cb.		7.8	3.1
1/4		7.4	3.5
E		7.5	3.4

	4+46	10.98		
E 1/4			6.5	4.4
cb.			6.0	4.9
E			6.5	4.4
+10			6.5	4.4
TP	2.71	13.02	7.57	3.31
	4+53 SLY edge Ch.			
-10			9.3	4.7
E.			9.4	3.6
+1.			8.4	4.6
cb.			8.3	4.7
1/4			8.2	4.8
E			8.3	4.7
+8			9.1	3.9
1/4			8.6	4.4
+5			9.3	3.7
cb			9.4	3.6
W			9.4	3.6
+10			9.2	3.8
	4+81 = NLY edge Ch.			
-10			9.5	3.5
W			9.4	3.6
cb.			9.0	4.0
1/4			9.3	3.7
E			9.1	3.9
1/4			9.0	4.0
cb.			9.0	4.0

NLon SWLY pt 301

13.02

Greenwood st. 33

cb+5		8.6	4.4
E		9.3	3.7
+10		9.3	3.7
	4+92 Pocket in ch		
-10		8.3	4.7
E.		8.6	4.4
+.5		8.1	4.9
cb.		8.0	5.0
1/4		7.8	5.2
E		8.2	4.8
+7		9.4	3.6
1/0		10.6	2.4
cb		10.5	2.5
W		10.5	2.5
+10		10.4	2.6
	5+04		
-10		7.3	5.7
W		7.3	5.7
cb.		7.5	5.5
1/4		7.7	5.3
E		7.3	5.7
1/4		7.5	5.5
cb		7.7	5.3
E		8.4	4.6
+10		7.3	5.7

5+50

-10	6.9	6.1
E.	6.7	6.3
cb.	6.4	6.6
1/4	6.3	6.7
L.	6.4	6.6
1/4	6.5	6.5
cb.	6.8	6.2
W	6.5	6.5
+10	6.5	6.5

5+68.96 = 5L/ Line Banks St

-10	6.1	6.9
W	6.4	6.6
cb.	6.2	6.8
1/4	6.1	6.9
L.	6.3	6.7
1/4	5.6	7.4
cb.	5.7	7.3
E	5.8	7.2
+10	6.3	6.7

5+93.96 = L Banks St

-10	4.8	8.2
E.	4.7	8.3
cb.	4.8	8.2
1/4	5.1	7.9
L.	5.4	7.6

1/4	5.3	7.7
cb.	5.3	7.7
W	5.2	7.8
+10	5.2	7.8

6+18.96 = 1/4/ Line Banks St

-10	4.8	8.2
W	4.8	8.2
cb.	4.6	8.4
1/4	4.8	8.2
L.	4.7	8.3
1/4	4.7	8.3
cb	4.5	8.5
E	4.3	8.7
+10	4.4	8.6

6+50

-10	4.6	8.4
E	4.4	8.6
cb	4.4	8.6
1/4	4.3	8.7
L.	4.5	8.5
1/4	4.5	8.5
cb	4.3	8.7
W	4.4	8.6
+10	4.4	8.6

7+00

-10	3.3	9.7
W	3.3	9.7

13.02

W.Cb.		3.3	9.7
1/4		3.4	9.6
℄		3.8	9.2
1/4		4.1	8.9
Cb		4.9	8.6
E.		4.3	8.7
+10		4.0	9.0
	7+50		
-10		4.2	8.8
E.		4.4	8.6
Cb		4.4	8.6
1/4		4.4	8.6
℄		4.3	8.7
1/4		4.6	8.4
Cb		4.5	8.5
W		4.3	8.7
+10		4.2	8.8
	8+00		
-10		4.9	8.1
W		4.5	8.5
Cb.		4.4	8.6
1/4		4.3	8.7
℄		4.3	8.7
1/4		4.3	8.7
Cb		4.3	8.7
E		4.1	8.9
+10		4.2	8.8

13.02 Greenwood St.

8+50

-10		4.3	8.7
E.		4.7	8.3
Cb.		5.0	8.0
1/4		5.0	8.0
℄		5.0	8.0
1/4		5.0	8.0
Cb		5.1	7.9
W		5.5	7.5
+10		5.4	7.6
T.P.	-6.59	0.55	12.47 Ch.f. Starting B.M.
	19.07		12.48 = Mon

8+78.45 = St. Line Grant St.

-10	11.5	7.6
W	10.5	8.6
Cb.	9.9	9.2
1/4	9.5	9.6
℄	8.8	10.3
1/4	9.0	10.1
Cb	8.8	10.3
+6	8.4	10.7
E.	7.3	11.8
+6	4.8	14.3
+10	4.5	14.6

℄ Sta. = 8+91 Diag. = Section = Parallel to Paving.

-10	8.3	10.8

E.			8.8	10.3	
cb.			8.6	10.5	
¼			8.6	10.5	
℄			8.4	10.7	
cb.			8.5	10.6	
W			8.5	10.6	
+11.75			8.5	10.6	
T.P.	6.78	19.26	6.59	12.48	Mon. SE Cy PL 30'

9+00 on Dirt Berm diag. Sec

-11.75		4.9	14.4	
W		4.9	14.4	
cb		5.1	14.2	
¼		4.9	14.4	
℄		5.4	13.9	
¼		4.8	14.5	
cb.		5.0	14.3	
E		5.0	14.3	
+11.75		5.0	14.3	

9+05 = Diag Sec. on Asphalt cb. Berm

-11.75		4.74	14.52	
E		4.81	14.45	
cb.		4.85	14.41	
¼		4.79	14.47	
℄		4.79	14.47	
¼		4.81	14.45	
cb.		4.87	14.44	
W		4.63	14.63	
+11.75		4.56	14.70	

9+05.42 = SLY edge Exist. Paving Diag. Sec.

-150'		5.07	14.22	
-100		5.21	14.05	
-50'		5.12	14.14	
W		5.15	14.11	
cb		5.26	14.00	
¼		5.28	13.98	
℄		5.26	14.00	
¼		5.21	14.05	
cb.		5.20	14.06	
E		5.22	14.04	
+11.75		5.16	14.10	

9+25.7 - Diag Sec on Painted white Line

-11.75		4.63	14.63	
E		4.65	14.61	
cb.		4.67	14.59	
¼		4.66	14.60	
℄		4.65	14.61	
¼		4.65	14.61	
cb.		4.67	14.59	
W		4.69	14.57	
+50'		4.63	14.63	
+100'		4.73	14.53	
T.P.	0.53	13.01	6.78	12.48 BM. on Mon.
T.P.	7.18	13.55	6.64	6.37 Rock

Cont. P-37

Walker
Hendricks
Becker
9-4-46

Cross Section Sherman St.

50' Wide
10' C&S.
7.5' 1/2s.

from Morgan St. to Morena Blvd.

13.55 π from 36

0-25 = SLY Line Morgan St.

-10		6.7	6.9
E		6.6	7.0
C&.		5.9	7.7
1/4		6.5	7.1
E		6.8	6.8 ✓
℄ on Mon.		7.11	6.44 ✓
1/4		6.9	6.7
C&.		6.9	6.7
W		7.2	6.4
+10		7.1	6.5

0+00 = NLY Line Morgan St.

-10		7.0	6.6
W		6.9	6.7
C&.		6.9	6.7
1/4		6.9	6.7
℄		6.9	6.7 ✓
1/4		6.9	6.7
C&.		6.9	6.7
E		7.0	6.6
+10		7.0	6.6

13,55

Indexed
C.S.K.

37

0+50

-15		6.1	7.5
E		6.8	6.8
C&.		6.8	6.8
1/4		6.7	6.9
℄		6.5	7.1 ✓
1/4		6.4	7.2
C&.		6.8	6.8
W		7.0	6.6
+10		7.4	6.2

0+66

-10		8.9	4.7
W		8.2	5.4
C&.		7.6	6.0
1/4		7.4	6.2
℄		7.0	6.6 ✓
1/4		7.0	6.6
C&.		7.2	6.4
E		6.8	6.8
+13		5.7	7.9

0+81

-10		7.3	6.3
E		7.5	6.1
C&.		7.5	6.1
1/4		7.9	5.7
℄		9.0	4.6 ✓

	0+81	13.55		
W 1/4			9.3	4.3
Cb.			9.8	3.8
W			9.8	3.8
+10			9.7	3.9
	1+14			
-10			9.5	4.1
W			10.4	3.2
+8			10.7	2.9
Cb.			9.2	4.4
1/4			9.1	4.5
℄			9.1	4.5 ✓
1/4			9.0	4.6
Cb.			8.9	4.7
E			8.8	4.8
+6			7.7	5.7
	1+50			
-10			7.3	6.3
E			6.9	6.7
Cb.			6.4	7.2
1/4			6.4	7.2
℄			6.5	7.1 ✓
1/4			6.4	7.2
Cb.			6.9	6.7
W			6.3	7.3
+10			6.0	7.6

13.55 Sherman St. 38

	1+70		
-10		5.9	7.7
W		6.1	7.5
Cb.		6.4	7.2
1/4		6.3	7.3
℄		6.1	7.5 ✓
1/4		6.1	7.5
Cb.		6.4	7.2
E		6.8	6.8
+10		6.9	6.7
	1+89		
-10		6.7	6.9
E		7.2	6.4
Cb.		6.7	6.9
1/4		6.6	7.0
℄		5.8	7.8 ✓
1/4		5.3	8.3
Cb.		4.7	8.9
W		4.8	8.8
+10		5.1	8.5
	2+04		
-10		6.0	7.6
W		5.5	8.1
Cb.		6.1	7.5
1/4		6.4	7.2
℄		6.6	7.0 ✓

13.55

1/4	6.4	7.2
cb.	6.6	7.0
E.	6.6	7.0
+10	7.2	6.4

2+50

-10	7.3	6.3
E	7.1	6.5
cb.	7.0	6.6
1/4	6.9	6.7
℄	6.7	6.9 ✓
1/4	6.1	7.5
+4	5.7	7.9
cb.	5.9	7.7
W	6.0	7.6
+10	6.3	7.3

2+59.27 = SLY Line Custer on ℄

-10	6.3	7.3
W	6.1	7.5
cb.	6.0	7.6
+5	5.5	8.1
1/4	5.7	7.9
℄	6.4	7.2 ✓
1/4	6.9	6.7
cb.	7.3	6.3
E	7.2	6.4
+10	7.2	6.4

13.55 Sherman St. 39

2+69.27

-10	6.5	7.1
E	6.4	7.2
cb.	6.4	7.2
1/4	6.4	7.2
℄	6.1	7.5 ✓
1/4	5.5	8.1
cb.	6.0	7.6
W	6.2	7.4
+10	6.4	7.2

2+84.27 = ℄ Custer

-10	6.9	6.7
W	6.3	7.3
cb.	6.2	7.4
1/4	5.9	7.7
+5	5.6	8.0
℄	5.9	7.7 ✓
1/4	6.0	7.6
cb.	6.2	7.4
E	6.0	7.6

3+09.27 = WLY Line Custer

E.	6.5	7.1
cb.	6.7	7.4
1/4	5.3	8.3
+3	5.4	8.2
℄	5.9	7.7 ✓

13.55

¼	6.1	7.5
cb.	6.3	7.3
W	6.5	7.1
+10	6.5	7.1
3+50		
-10	6.0	7.6
W	6.3	7.3
cb.	6.4	7.2
¼	6.4	7.2
E	6.3	7.3 ✓
¼	6.0	7.6
+3	5.7	7.9
cb.	4.8	8.8
+7	4.5	9.1
E	5.3	8.3
+10	5.6	8.0
3+80		
-10	5.4	8.2
E	5.2	8.4
+7	5.1	8.5
cb	6.1	7.5
¼	6.3	7.3
E	6.5	7.1 ✓
¼	6.8	6.8
cb.	6.4	7.2
+4	6.6	7.0
+7	5.7	7.9

13.55 Sherman st. 40

W	5.6	8.0
+10	5.8	7.8
4+00		
-10	6.8	7.8
-5	5.4	8.2
W	5.7	7.9
+3	5.8	7.8
+5	7.5	6.1
cb.	7.2	6.4 ✓
¼	7.4	6.2
E	7.1	6.5
¼	6.6	7.0
cb.	6.4	7.2
E	6.5	7.1
+5	6.5	7.1
+15	6.0	7.6
T.P. 5.36 11.78	7.18	6.37 P-36 Rock
4+21		
-10	4.9	6.8
E.	4.9	6.8
cb	5.5	6.2
¼	6.2	5.5
E	6.8	4.9 ✓
¼	7.0	4.7
cb	6.7	5.0
W	5.9	5.8
+10	5.5	6.2

4+39		
-10	7.5	4.2
IN	8.2	3.5
cb.	8.5	3.2
⅛	8.4	3.3
E.	8.6	3.1 ✓
⅛	8.0	3.7
cb.	6.9	4.8
E	6.1	5.6
+10	5.9	5.8
4+59		
-15 in channel	8.8	2.9
E.	8.3	3.4
cb.	8.9	2.8
⅛	9.6	2.1
E.	9.9	1.8 ✓
⅛	9.8	1.9
cb.	9.7	2.0
W.	10.1	1.6
+8	10.0	1.7
10	9.3	2.4
4+70		
-10	9.8	1.9
IN	9.6	2.1
cb.	9.9	1.8
⅛	10.2	1.5
E.	10.2	1.5 ✓

⅛	10.1	1.6
cb.	10.3	1.4
E.	10.1	1.6
+15	10.2	1.5
5+00		
-15	10.4	1.3
E.	10.6	1.1
cb.	10.0	1.7
⅛	10.0	1.7
+2	10.5	1.2
E.	10.4	1.3 ✓
⅛	10.0	1.7
+6	10.0	1.7
cb.	9.5	2.2
IN	8.8	2.9
+10	8.2	3.7
5+23		
-10	9.2	2.5
IN	9.1	2.6
cb.	9.0	2.7
+3	9.4	2.3
⅛	10.1	1.6
E.	10.1	1.6 ✓
⅛	10.0	1.7
+4	9.8	1.9
cb.	9.9	1.8
E.	9.4	1.3
+10	8.7	2.9

11.73

5+31

-10	6.9	4.8
E	6.4	5.3
+4	7.0	4.7
+7	9.7	2.0
cb.	9.8	1.9
1/4	10.0	1.7
L	10.3	1.4 ✓
1/4	10.2	1.5
+4	23	2.4
cb.	24	2.3
W	10.0	1.7
+10	10.0	1.7

5+68.54 = SLY Line Banks

-10	9.7	2.0
VV	9.7	2.0
cb.	9.6	2.1
1/4	9.9	1.8
+4	8.8	2.9
L	9.1	2.6 ✓
1/4	8.7	3.0
cb.	8.6	3.1
+3	7.5	4.2
+7	7.3	4.4
E	6.4	5.3

11.73 Sherman St. 42

5+93.54 = L Banks

E	5.0	6.7
+3	5.5	6.2
+5	7.0	4.7
cb.	7.4	4.3
1/4	7.6	4.1
+3	7.7	4.0
+5	7.2	4.5
L	7.5	4.2 ✓
L on Hub.	8.72	3.51
+3	9.2	2.5
1/4	9.2	2.5
cb.	8.3	3.4
W	8.1	3.6
+10	6.4	5.3

6+04

-10	5.7	6.0
VV	6.0	5.7
cb.	6.2	5.5
1/4	6.4	5.3
L	6.0	5.7 ✓
+2	5.8	5.9
+4	7.1	4.6
1/4	7.2	4.4
cb.	6.8	4.9
+6	6.4	5.3
E	5.1	6.6

11.73

6+13

E.	5.0	6.7
+2	4.7	7.0
+4	5.9	5.8
Cb.	6.3	5.4
¼	6.8	4.9
+3	6.8	4.9
+5	5.8	5.9
Q	6.0	5.7 ✓
¼	6.5	5.2
Cb.	6.4	5.3
W	6.2	5.5
+10	6.6	5.1

6+18.54 = N&Y Line Banks

-10	8.4	3.3
W	10.1	1.6
Cb.	10.1	1.6
¼	10.1	1.6
Q	7.6	4.1 ✓
+4	5.2	6.5
¼	6.4	5.3
Cb.	6.0	5.7
+7	5.7	6.0
E.	4.9	6.8

6+37

E-10	5.6	6.1
E-5	4.9	6.8

11.73 Sherman St. 43

E	4.7	7.0
Cb.	5.0	6.7
¼	5.0	6.7
+3	4.2	7.5
Q	6.0	5.7 ✓
+5	10.0	1.7
¼	10.4	1.3
Cb.	9.8	1.9
W	8.5	3.2
+5	7.8	3.9
+11	5.1	6.6

6+45

-10	5.0	6.7
W	4.9	6.8
Cb.	4.7	7.0
¼	4.4	7.3
Q	4.0	7.7 ✓
+5	4.1	7.6
¼	4.6	7.1
Cb.	4.7	7.0
E.	4.6	7.1
+10	5.0	6.7

6+75

-1 Conc. Floor New Bld.	3.14	9.59
E.-1	3.3	8.4
E.	3.3	8.4

Cb.	33	8.4	
½	32	8.5	
L	28	8.9	✓
½	37	8.0	
Cb.	40	7.7	
W	41	7.6	
+10	46	7.1	
7+07			
-10	42	7.5	
W	39	7.8	
Cb.	36	8.1	
½	29	8.8	
L	26	9.1	✓
½	26	9.1	
Cb.	27	9.0	
E	25	9.2	
6+68 to 7+29 = New Bld on Rt 1' Back			Conc Floor
7+50			
-10	27	9.0	
E	20	9.7	
Cb.	19	9.8	
½	18	9.9	
L	18	9.9	✓
½	22	9.5	
Cb.	25	9.2	
W	27	9.0	
+10	28	8.9	

TP	44.41	15.20	0.94 10.79
8+00			
-10		6.0	9.2
W		5.8	9.4
Cb.		5.9	9.3
½		5.8	9.4
+0		5.0	10.2
L		5.1	10.1
½		5.1	10.1
Cb.		4.9	10.3
E		4.8	10.4
Roof-Floor = 358 962			Conc Floor
7+54 to 8+34 = New Bld on Rt 1' Back			
8+50			
-10		6.0	9.2
E-4		5.8	9.4
E-2		4.8	10.4
E		5.1	10.1
Cb.		5.5	9.9
½		5.5	9.9
L		5.4	9.8 ✓
+6		6.1	9.1
½		6.1	9.1
C		6.3	8.9
W		6.3	8.9
+10		6.4	8.8

15.20

8+77.81 = SLY Grant

-10	6.5	8.7
W	6.7	8.5
Cb.	6.5	8.7
¼	6.1	9.1
+0	5.2	10.0
℄	5.7	9.5
¼	5.6	9.6
Cb	5.7	9.5
E.	5.3	9.9
+7	6.2	9.0
+10	6.5	8.7

9+06.51 = NLY line Grant St.

-10	6.8	8.4
-6	6.8	8.4
E.	5.6	9.6
Cb.	6.0	9.2
¼	5.8	9.4
℄	5.9	9.3
+3	5.9	9.3
+6	6.8	8.4
¼	6.9	8.3
Cb	6.9	8.3
W	7.0	8.2
+10	7.0	8.2

9+50 15.20

Sherman St. 45

-10	7.5	7.7
W	7.4	7.8
Cb	7.3	7.9
¼	7.1	8.1
℄	6.3	8.9
¼	6.1	9.1
Cb	5.9	9.3
E.	5.8	9.4
+7	6.8	8.4
+10	7.0	8.2

10+00

-10	6.6	8.6
-6	6.3	8.9
E.	5.5	9.7
Cb.	6.2	9.0
¼	6.4	8.8
℄	6.1	9.1
¼	6.8	8.4
Cb.	6.9	8.3
W	7.1	8.1
+10	7.0	8.2

10+50

-10	7.5	7.7
W	7.4	7.8
Cb.	7.2	8.0
¼	7.0	8.2

15.20

+5	5.9	9.3	
℄	6.2	9.0	✓
¼	6.3	8.9	
Cb.	6.1	9.1	
E	5.7	9.5	
+6	6.7	8.5	
+10	7.0	8.2	
	11+00		
+10	7.9	7.3	
-4	7.2	8.0	
E	5.0	10.2	
Cb.	5.3	9.9	
¼	5.3	9.9	
℄	5.4	9.8	✓
+5	5.4	9.8	
¼	6.4	8.8	
+3	7.5	7.7	
Cb.	7.7	7.5	
W	7.9	7.3	
+10	8.2	7.0	
	11+50		
-15	8.7	6.5	
W	8.6	6.6	
Cb.	4.5	10.7	
¼	4.0	11.2	
℄	3.9	11.3	✓

15.20 Sherman St 46

E ¼	4.0	11.2
Cb.	4.1	11.1
+6	3.9	11.3
E	5.3	9.9
+8	9.3	5.9
+15	9.6	5.6
	11+74.33 diag. Section on Morena Blvd line	
-15	9.6	5.6
E-2	2.9	12.3
E	3.5	11.7
Cb.	3.2	12.0
¼	2.9	12.3
℄	3.0	12.2 ✓
+4	3.0	12.2
¼	4.0	11.2
Cb	4.7	10.5
W	5.3	9.9
+10	6.0	9.2
	11+95 Section Parallel to Plan	
-10	5.7	9.5
Cb	5.6	9.6
¼	5.6	9.6
+4	2.4	12.8
℄	1.8	13.4
¼	1.8	13.4
Cb.	1.7	13.5

15.20

E.			1.8	13.4
+10			2.2	13.0
T.P.	3.60	19.17	1.63	13.57

12+04 Diag. Sec. Parallel to Pav

-10	5.4	13.8
E.	5.1	14.1
cb.	5.1	14.1
½	5.1	14.1
℄	5.0	14.2
½	4.9	14.3
cb.	4.8	14.4
W	4.8	14.4
+10	4.9	14.3

12+11.84 = Edge Exist. Pav. Diag. Sec.

-100'	4.05	15.12
-50'	4.33	14.84
W	4.48	14.69
cb	4.46	14.71
¼	4.47	14.70
℄	4.51	14.66
½	4.55	14.62
cb.	4.55	14.62
E.	4.53	14.64
+50	4.62	14.55
+100'	4.63	14.54

19.17 Sherman St. 47

12+23.6 = ℄ Exist Pav.

-100'			4.41	14.76
-50			4.32	14.85
E			4.35	14.82
cb.			4.36	14.81
½			4.35	14.82
℄			4.34	14.83
¼			4.30	14.87
cb			4.28	14.89
W			4.23	14.94
+50			4.11	15.06
+100			3.83	15.34
T.P.	4.55	18.91	4.81	14.36
Chk. Mon P-28			6.43	12.48 ✓

Walker
Hardnicks
Becker
9-1-46

Cross Section - Grant St. 28.7' Wide from Greenwood to Sherman St.

8M Mon P-28

1,20 13,68 12.48

0+00 = WLY line Greenwood

N. 5	2.3	11.4
N	3.4	10.3
℄	4.3	9.4
South	5.6	8.1
0+50		
S-5	5.4	8.3
S	5.4	8.3
℄	5.8	7.9
N	5.9	7.8
+5	5.7	8.0
1+00		
-5	5.6	8.1
N	5.2	8.5
℄	5.7	8.0
S	5.5	8.2
+5	5.2	8.5
1+50		
-5	4.7	9.0
S	4.7	9.0
℄	4.9	8.8
N	5.3	8.4
+5	5.6	8.1

Indexed
C.S.K.

48

2+00 13,68

-5	4.7	9.0
N	4.6	9.1
℄	4.5	9.2
S	4.6	9.1
+5	4.4	9.3
2+50		
-5	4.9	8.8
S	5.0	8.7
℄	5.1	8.6
N	5.1	8.6
+5	4.9	8.8
3+00		
-5	4.9	8.8
N	5.0	8.7
℄	4.9	8.8
S	4.9	8.8
+5	4.7	9.0
3+50		
-5	5.2	8.5
S	5.1	8.6
℄	5.2	8.5
N	5.4	8.3
+5	5.3	8.4
4+00		
-5	5.5	8.2
N	5.4	8.3

Grant St.

1368

1+00 cont. from P- 48

℄	5.3	8.4
S	5.3	8.4
+5	5.2	8.5

~~4+31.62 = Ely line Sherman~~

4+24

-5	4.5	9.2
South	4.9	8.8
℄	5.3	8.4
N	5.3	8.4
+5	5.2	8.5

4+31.62 = ELY. Line Sherman

-5	4.1	9.6
N	4.1	9.6
℄	4.0	9.7
S	3.8	9.9
+5	3.4	10.3

1+81 6'N NL = Guy Pole

" = Elec. Pole on Lt 4.7' in St.

Walker
Hendricks
Becker
9-1-46

Cross Section - Banks St. 50' wide
10' C&S, 7.5' 1/4s
from Greenwood to Sherman St.

BM on Hub
5+9396
P-28

4.32 11.92 7.60

0+00 = W.L.y. Greenwood St.

-10	3.4	8.5
N	3.7	8.2
cb.	3.9	8.0
1/4	4.0	7.9
℄	4.1	7.8
1/4	4.2	7.7
cb.	4.6	7.3
S	5.3	6.6
+10	5.2	6.7

0+50 = Elec. on Lt. 17' inst.

-10	5.4	6.5
~~S~~ ~~N~~	5.4	6.5
cb.	5.1	6.8
1/4	5.1	6.8
℄	4.7	7.2
1/4	4.3	7.6
cb.	3.9	8.0
N	4.3	7.6
+10	3.7	8.2

1+00

-10	3.9	8.0

1+00 11.92

Indexed
C.S.K.

50

N	4.0	7.9
cb.	4.3	7.6
1/4	4.7	7.2
℄	4.8	7.1
1/4	5.2	6.7
cb.	5.7	6.2
S	5.9	6.0
+10	6.1	5.8

1+50

-10	6.1	5.8
S	5.9	6.0
cb.	5.6	6.3
1/4	5.2	6.7
℄	5.1	6.8
1/4	5.0	6.9
cb.	4.8	7.1
N	4.4	7.5
+10	4.1	7.8

2+00

-10	4.8	7.1
N	4.5	7.4
cb.	4.9	7.0
1/4	5.0	6.9
℄	5.1	6.8
1/4	5.2	6.7
cb	5.3	6.6
S	5.7	6.2
+10	6.3	5.6

SANTA BARBARA

11.92

2+50

-5	6.1	5.8
S	5.8	6.1
cb.	5.5	6.4
1/4	5.5	6.4
℄	5.3	6.6
1/4	5.3	6.6
cb.	5.0	6.9
N	4.9	7.0
+10	4.8	7.1

3+00

-10	5.3	6.6
N	5.6	6.3
cb.	5.6	6.3
1/4	5.5	6.4
℄	5.6	6.3
1/4	5.5	6.4
cb.	5.7	6.2
S	5.9	6.0
+10	6.3	5.6

3+50

-10	6.9	5.0
S	6.5	5.4
cb	6.7	5.7
1/4	6.0	5.9
℄	5.7	6.2
1/4	5.6	6.3

11.92

Banks St. 51

cb.	5.8	6.1
N	5.6	6.3
+10	5.6	6.3

4+00

-10	6.1	5.8
N	6.1	5.8
cb	5.9	6.0
1/4	5.7	6.2
℄	5.6	6.3
1/4	5.8	6.1
cb	6.3	5.6
S	6.7	5.2
+10	6.9	5.0

4+20

-10	7.0	4.9
S	6.8	5.1
cb	6.4	5.5
1/4	6.0	5.9
℄	5.7	6.2
1/4	5.5	6.4
cb.	5.8	6.1
N	6.0	5.9
+10	5.8	6.1

4+31.67 = ELY. Lino Sherman

-10	5.1	6.8
N	5.N	6.7

11.92 BANKS ST.

cb.	4.8	7.1
1/4	5.4	6.5
2	5.5	6.4
1/4	5.8	6.1
cb.	6.7	5.2
5	7.2	4.7
+10	7.3	4.6

SANTA BARBARA

Walker
Hendricks
Beckal
9-5-46

Cross Section - Custer St. 50' wide
10' Cbs.
from Greenwood to Sherman 7.5' 1/45

B.M. Rock
P-28

6.34 11.79 5.45

0+00 = WLY Line Greenwood St.

-10	5.0	6.8
N	5.1	6.7
Cb.	5.2	6.6
1/4	4.8	7.0
℄	5.2	6.6
1/4	5.1	6.7
Cb.	5.3	6.5
S	5.4	6.4
+10	6.0	5.8
0+50		
-10	4.8	7.0
S	4.7	7.1
Cb	3.7	8.1
1/4	4.3	7.5
℄	4.1	7.7
1/4	4.8	7.0
Cb.	4.8	7.0
N	4.9	6.9
+10	5.1	6.7
1+00		
-10	4.7	7.1
N	4.0	7.8
Cb	5.6	6.2

11.79

1+00

		Indexed C.S.K.
1/4	5.4	6.4
℄	5.4	6.4
1/4	4.6	7.2
Cb.	4.5	7.3
S	4.0	7.8
+10	4.3	7.5
1+26.7 on ℄ Stub	5.35	6.44
T.P 5.34 12.62	4.51	7.28
1+50		
-10	5.8	6.8
S	5.8	6.8
Cb	5.8	6.8
1/4	5.8	6.8
℄	5.8	6.8
1/4	5.9	6.7
Cb.	5.7	6.9
N	5.4	7.2
+10	5.3	7.3
2+00		
-10	5.2	7.4
N	5.4	7.2
Cb	5.4	7.2
1/4	5.7	6.9
℄	5.5	7.1
1/4	5.4	7.2
Cb.	5.6	7.0
S	5.8	6.8
+10	5.7	6.9

12.62 Custer St

2+50		
-10	6.0	6.6
S	6.2	6.4
Cb.	5.7	6.9
1/4	5.5	7.1
L	5.5	7.1
1/4	5.4	7.2
Cb.	5.5	7.1
N	5.3	7.3
+10	5.3	7.3
3+00		
-10	5.3	7.3
N	5.2	7.4
Cb	5.7	6.9
1/4	6.2	6.4
L	6.1	6.5
1/4	6.3	6.3
Cb	6.2	6.4
S	6.3	6.3
+10	6.4	6.2
3+50		
-10	7.0	5.6
S	6.8	5.8
Cb.	5.6	7.0
1/4	4.9	7.7
L	5.0	7.6

12.62

1/4	4.8	7.8
Cb.	4.8	7.8
N	4.5	8.1
+10	4.5	8.1
4+00		
-10	4.5	8.1
N	4.9	7.7
Cb	5.0	7.6
1/4	5.0	7.6
L	5.1	7.5
1/4	5.2	7.4
Cb	5.6	7.0
S	6.1	6.5
+10	6.3	6.3
4+31.67 - ELY. LINE SHERMAN		
-10	6.4	6.2
S	6.3	6.3
Cb.	5.6	7.0
1/4	5.2	7.4
L	5.1	7.5
1/4	5.1	7.5
Cb.	5.4	7.2
N	5.1	7.5
+10	4.9	7.7
Chk Rock P-40	6.25	6.37 ✓

Walker
Hendricks
Becker
2-5-46

Cross Section - Morgan St. 25' wide
from Greenwood St. to Sherman

5.23 10.68 5.45. BM Rock P. 28

0+00 - WLY Line Greenwood

-10	5.2	5.5
S	5.2	5.5
℄	5.7	5.0
N	6.0	4.7
+10	6.1	4.6
0+04		
-10	5.2	5.5
N	5.1	5.6
℄	5.4	5.3
S	5.2	5.5
+10	4.7	6.0
0+08		
-10	7.2	2.8
S	8.3	2.4
℄	7.3	3.4
N	7.1	3.6
+10	7.0	3.7
0+25		
-10	5.5	5.2
N	5.5	5.2
℄	7.0	3.7
S	7.0	3.7
+10	6.8	3.9

1068

Indexed
C.S.K.

55

27848 P-79

T.P.	5.13	11.36	4.45	6.23 H.6
T.P.	6.80	13.87	4.29	7.07 Rock
T.P.	4.85	11.73	6.99	6.88
0+50				
-10			6.8	4.9
S			6.8	4.9
℄			7.8	3.9
N			8.0	3.7
+10			8.0	3.7
0+65				
-10			8.0	3.7
N			8.0	3.7
℄			7.8	3.9
S			8.0	3.7
+10			8.0	3.7
0+75				
-10			6.2	5.5
S			6.7	5.0
℄			6.8	4.9
N			5.2	6.5
+10			5.7	6.0
1+00				
-10			5.0	6.7
N			6.5	5.2
℄			4.9	6.8
S			4.8	6.9
+10			6.2	5.7

11.73 Morgan St

1+26.7

-10		3.2	8.5
S		3.2	8.5
+8		2.6	9.1
℄		4.6	7.1
N		3.2	8.5

1+50

-10		3.4	8.3
N		3.4	8.3
℄		3.4	8.3
S		3.5	8.2
+10		3.4	8.3

2+00

-10		3.6	8.1
S		3.6	8.1
℄		3.4	8.3
N		3.4	8.3
+10		3.4	8.3
T.P.	5.37 13.68	3.42	8.31

2+30

-10		5.6	8.1
N		5.5	8.2
℄		5.5	8.2
S		5.5	8.2
+10		5.6	8.1

13.68

2+50

-10		5.2	8.5
S		5.2	8.5
℄		5.2	8.5
N		5.2	8.5
+10		5.3	8.4

3+00

	Conc. Floor		
A'Rt of ℄ "Burn		3.43	10.25
4" " " Ground		4.6	9.1
℄		4.6	9.1
S		6.1	7.6
+10		6.5	7.2

3+50

-10		5.8	7.9
S		5.6	8.1
℄		5.4	8.3
N		5.4	8.3
+10		5.4	8.3
T.P.	4.48 11.41	6.75	6.93

4+00

-10		4.8	6.6
N		4.4	7.0
℄		3.7	7.7
S		3.9	7.5
+10		3.9	7.5

11.41 Morgan

4+31.62 = ELY. Line Sherman

-10	4.4	7.0
S	4.7	6.7
℄	4.5	6.9
N	5.0	6.4
+10	5.0	6.4
Chk. Mon 0-25 P-37	4.97	6.44 ✓

Walker
Hendricks
Becker
9-5-46

Cross Section 10 Alley Blk 1
Vernon Park N + S Alley Blk
5.85 12.92 7.07 Rock P-55

0+00 = NLy Line Morgan

-5	4.3	8.6
W	4.1	8.8
℄	4.2	8.7
E	4.1	8.8
+5	3.9	9.0
0+50		
-5	4.0	8.9
E	4.2	8.7
℄	4.0	8.9
W	4.0	8.9
+5	4.0	8.9
1+00		
-5	3.0	9.9

12.92 Alley Blk 1 57

W	3.2	9.7
℄	3.1	9.8
E	3.4	9.5
+5	3.5	9.4
1+24.7 = SLy Line E & W Alley		
-5	3.1	9.8
E	3.2	9.7
℄	4.0	8.9
W	3.7	9.2
+5	3.7	9.2
1+29.7		
-5	4.7	8.2
W	4.9	8.0
℄	5.0	7.9
E	5.0	7.9
+5	4.7	8.2
1+59		
-5	4.7	8.2
E	4.5	8.4
℄	4.7	8.2
W	5.2	7.7
+5	5.6	7.3
1+71		
-5	5.8	7.1
W	5.8	7.1
℄	5.8	7.1
E	5.5	7.4
+7	4.7	8.2

12.92 Alley Blk 1 North & South

2+00		
-5	5.8	7.1
E	5.9	7.0
℄	5.6	7.3
W	5.6	7.3
+5	5.5	7.4
2+59.4 = SLY Line Custer		
-5	5.7	7.2
W	5.6	7.3
℄	5.2	7.7
E	5.1	7.8
	5.1	7.8
E & W Alley Blk 1		
0+00 = WLY Line Alley		
S	3.9	9.0
℄	4.5	8.4
N	4.8	8.1
0+50		
-5	6.0	6.9
N	5.8	7.1
℄	5.6	7.3
S	3.9	9.0
+5	3.6	9.3
0+65		
-5	5.1	7.8
S	5.7	7.2

Indexed C.S.K.

12.92 E & W Alley 58

℄	5.9	7.0
N	5.9	7.0
+5	5.9	7.0
1+00		
-5	5.6	7.3
N	5.5	7.4
℄	5.4	7.5
S	5.3	7.6
+5	5.3	7.6
1+50		
-5	5.3	7.6
S	5.3	7.6
℄	5.1	7.8
N	5.0	7.9
+5	4.7	8.2
1+70		
-5	5.1	7.8
N	5.2	7.7
℄	5.3	7.6
S	5.1	7.8
+5	5.4	7.5
2+00		
-5	6.0	6.9
S	6.4	6.5
℄	6.8	6.1
N	6.6	6.3
+5	6.7	6.6

12.92 E & W Alley
Blk 1
Vernon Park

2+50			
-5		6.7	6.2
N		6.9	6.0
℄		6.9	6.0
5		6.8	6.1
+5		6.8	6.1
2+99.9 = ELY Line Sherman			
-5		7.2	5.7
N		7.3	5.6
℄		7.3	5.6
5		7.0	5.9
+5		7.7	5.2
chk ℄ stub	1+36.7 P-53	6.46	6.46 6.44 0.02

Walker
Hendricks
Becker
2-5-46

Cross section 10' Alley North & South
Between Greenwood & Sherman
from Custer to Banks
in Vernon Park (Bk. 2) B.M. on Stub P. 59

3.88 10.32 6.44

0+00 = NLy Line Custer

-5	3.4	6.9
E	3.7	6.6
℄	3.4	6.9
W	3.1	7.2
+5	3.1	7.2
0+50		
-5	2.8	7.5
W	2.8	7.5
℄	2.8	7.5
E	2.4	7.9
+5	2.4	7.9
1+00		
-5	4.0	6.3
E	4.1	6.2
℄	4.1	6.2
W	4.0	6.3
+5	3.9	6.4
1+24.63		
-5	5.0	5.3
W	4.7	5.6
℄	5.4	4.9
E	5.5	4.8
+5	6.5	3.8

1032

Indexed
C.S.K.

60

1+34.63

-5	6.5	3.8
E	6.5	3.8
℄	6.5	3.8
W	6.0	4.3
+5	5.9	4.4
1+62 in channel		
-5	8.6	1.7
W	8.6	1.7
℄	8.6	1.7
E	8.5	1.8
+5	8.3	2.0
1+97		
-5	7.4	2.9
E	7.6	2.7
℄	7.5	2.8
W	7.4	2.9
+5	7.5	2.8
2+04		
-5	4.9	5.4
W	5.0	5.3
℄	5.0	5.3
E	4.9	5.4
+5	4.7	5.6
2+59.2 = SLy Line Banks St		
-5	4.5	5.8

	2+59.2	10 32	Blk 2		Indexed C.S.R.
E.			4.6	5.7	
℄			4.4	5.9	
W			4.2	6.1	
+5			4.2	6.1	

= End North & South Alley

10.32 π Above

Cross Section East & West Alley
Blk 2 - Vernon Park

0+00 = W. Line N & South Alley

N	5.9	4.4
℄	5.7	4.6
S	4.8	5.5
0+50		
-5	4.7	5.6
S	4.7	5.6
℄	4.2	6.1
N	4.6	5.7
+10	7.3	3.0
1+00		
-5	5.1	5.2
N	5.2	5.1
℄	5.2	5.1
S	4.0	6.3
+5	4.0	6.3

E & W Alley
Blk 2 - Vernon Park

	1+50	10.32			
-5			4.2	6.1	
S			4.4	5.9	
℄			4.7	5.6	
N			4.7	5.6	
+5			4.6	5.7	
	2+00				
-5			4.9	5.4	
N			5.1	5.2	
℄			5.0	5.3	
S			4.6	5.7	
+5			4.5	5.8	
	2+50				
-5			4.3	6.0	
S			4.6	5.7	
℄			4.7	5.6	
N			4.7	5.6	
+5			5.3	5.0	
	2+99.9 = ELY Sherman				
-5			5.6	4.7	
N			5.0	5.3	
℄			4.6	5.7	
S			4.4	5.9	
+5			4.3	6.0	
Chk ℄ Hub	Greenwood & Bunks ~~5+__ p.__~~ Page 28		2.73	7.59 / 7.60 / 0.01	5493.96
T.P.	7.00	13.79	3.53	6.79	1+26.7 ℄ Bunks St.

π Cont P-62

SANTA BARBARA

Walker Hendricks Becker 9-10-46	Cross Section 10 Alley - Blk. 3 Vernon Park Between Greenwood And Sherman from Banks to Grant St.				
	7.00	13.79		6.79	Stake 1+26.7 P.61
		0+00 = N'LY Line Banks			
-5			6.2	7.6	
E			6.2	7.6	
℄			6.3	7.5	
W			6.4	7.4	
	0+60				
-5			5.2	8.6	
W			5.1	8.7	
℄			5.1	8.7	
E			5.0	8.8	
+5			5.1	8.7	
	1+00				
-5			4.6	9.2	
E			4.6	9.2	
℄			4.6	9.2	
W			4.5	9.3	
+5			4.5	9.3	
	1+24.63				
-5			4.4	9.4	
W			4.2	9.6	
℄			4.4	9.4	
E			4.4	9.4	
+5			4.4	9.4	

13.79

Indexed C.S.K.

	1+34.63		
-5		4.3	9.5
E		4.2	9.6
℄		4.2	9.6
W		4.1	9.7
+5		4.1	9.7
	1+70		
-5		4.4	9.4
W		4.3	9.5
℄		4.3	9.5
E		4.2	9.6
+5		4.0	9.8
	2+00		
-5		4.1	9.7
E		3.9	9.9
℄		3.9	9.9
W		3.9	9.9
+5		3.9	9.9
	2+59.27		
W		5.0	8.8
℄		5.2	8.6
E		5.4	8.4
	E & W Alley Blk 3		
	0+00 = W.L. N & South Alley		
N		4.0	9.8
℄		4.3	9.5
S		4.2	9.6

13.79 E & W Alley Blk 3
Cont. from P-C2

0+50		
-5	4.5	9.3
S	4.6	9.2
℄	4.7	9.1
N	4.7	9.1
+5	4.5	9.3
1+00		
-5	5.1	8.7
N	5.1	8.7
℄	4.9	8.9
S	5.2	8.6
+5	5.3	8.5
1+50		
-5	5.4	8.4
S	5.3	8.5
℄	5.5	8.3
N	5.4	8.4
+5	5.4	8.4
2+00		
-5	4.8	9.0
N	4.8	9.0
℄	4.9	8.9
S	4.8	9.0
+5	5.2	8.6
2+50		
-5'	5.0	8.8

13.79

South	5.0	8.8
℄	4.9	8.9
N	4.6	9.2
+5	4.6	9.2
2+78.3 = ℄ 14' Door on Lt & Rt. New Blk.		
N+0.2 on Conc Floor	4.21	9.58
N	4.7	9.1
℄	5.0	8.8
S	4.8	9.0
+15.3	5.3	8.5
+15.3 on ℄ 14' Doorway Conc. Floor	4.33	9.46
2+99.9 = E.L.Y. Line Sherman St.		
S	4.2	9.6
℄	4.1	9.7
N	4.1	9.7
Chk Mon. P. 28	1.33	12.46 12.48 0.02

SANTA BARBARA

Santa Barbara Place

Cross section Santa Barbara Pl.
(24' wide) Strand Way to Mission Blvd.

4-29-47 W.O. # 25001

Sommermeyer
W Moore
Roberts
Melton

• = Found L.+T. or disk
T.R. 25 P. 11

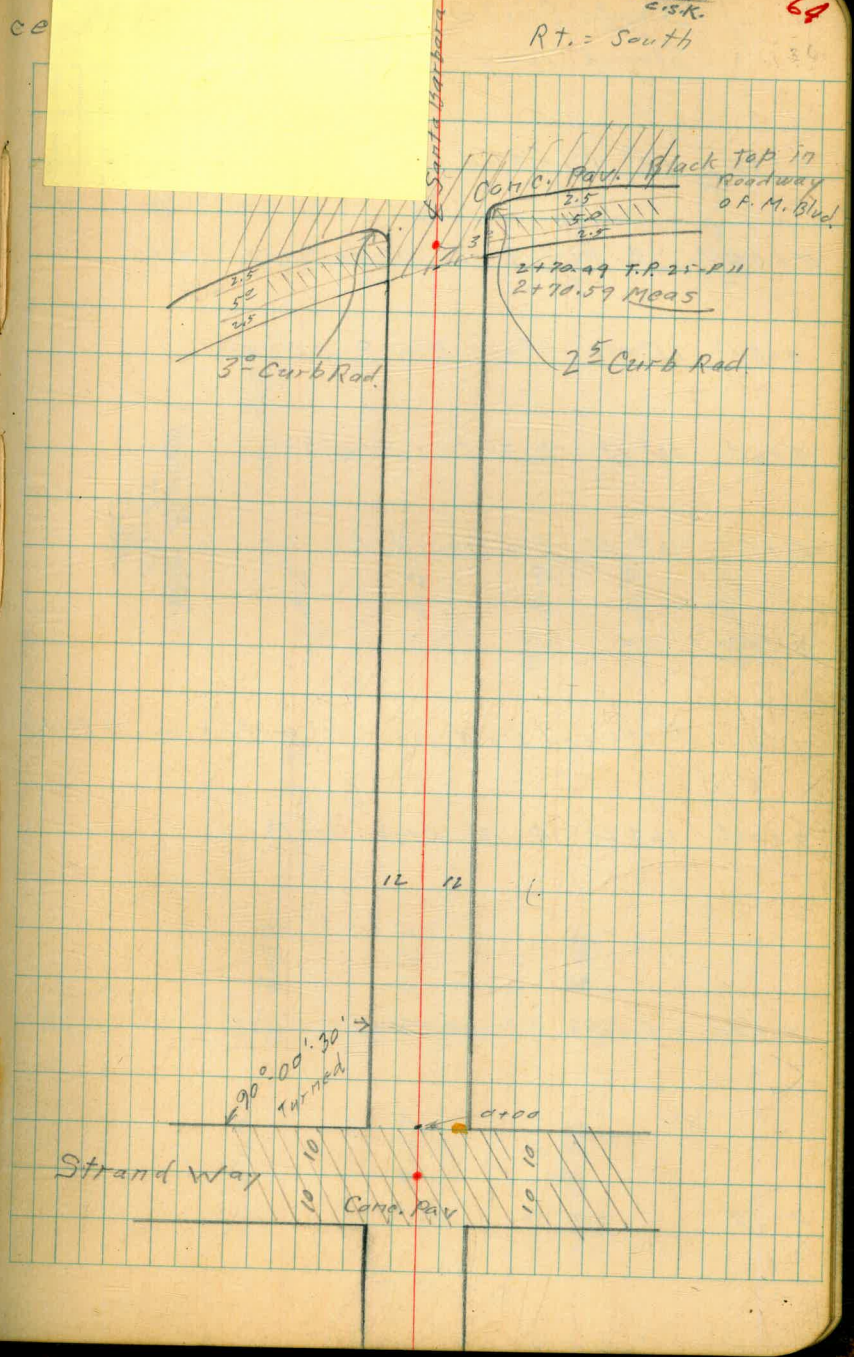
1.68	8.71	—	7.03	B.M. = B.R.

B.M. on Sea Wall at Santa Barbara Place

Indexed C.S.K.

64

Rt. = South



Santa Barbara Place
Strand Vway to Mission Blvd.

0+90	12° Rt. = End board fence.
0+76	13.4 Rt. = ℄ 3° Wide Conc. Walk
0+60.2	12° Rt. = Start Board Fence
0+60	12° Lt. = ℄ 3° Conc Walk
0+57	12.6 Lt. = End board fence
0+50	
0+34 - 12.6	Lt. = End 3x6 Guard rail + start board fence
0+09.5	11.9 Lt. = ℄ 3° Conc. Walk
0+00	= E. Line Strand Way - Edge paving
0-10	ON Paving

NOTES REDUCED 5.1-4.7 REQ'D.

8.71

Lt. ℄ Rt.

2.9 / 5.8 / 30
1.9 / 6.8 / 12
1.8 / 6.9
2.1 / 6.6 / 12
2.21 / 6.50 / 13.4
3.09 / 5.62 / 12
3.7 / 5.0 / 12
3.2 / 5.5 / 9
3.2 / 5.5
3.4 / 5.3 / 9
3.9 / 1.8 / 12
4.3 / 4.4 / 20
5.58 / 3.13 / 11.9
Start 3x6 Guard rail / 12.4
6.00 / 1.71 / 12
5.63 / 3.08
6.02 / 2.67 / 12
5.65 / 3.06 / 12
5.67 / 3.04
5.76 / 2.95 / 12

8.71

Santa Barbara Place

T.P.	4.75	4.44	9.02	-0.31
1+55	12^{3} Rt. = ℄ 2° wide Conc. Walk			
1+50	12^{3} Rt. = End board fence			
1+39	$12^{\frac{1}{2}}$ Rt. = ℄ 3° Conc. Walk			
1+25				
1+20.5	$12^{\frac{1}{2}}$ Rt. = Stard board fence			
1+06	19^{8} Rt. = ℄ 6° wide steps.			
1+00				

8.71

66

Lt. ℄ Rt.

-0.2 -0.4 -0.4 -0.3 -0.14

8.9/30 9.1/12 9.1 7.0/12 8.85/12.3

0.06

8.65/12.2

-0.1 0.0 0.1

8.8/12 8.7 8.6/12

0.8 1.03

7.9/19 Conc. 7.68/19.5 Bottom step

1.4 0.8 0.7 0.9 0.8

7.3/30 7.9/12 8.0 7.8/12 7.9/25

8.71

Santa Barbara Place

		Lt	℄	Rt.
2+39	14.2' Lt. = ℄ 3.0 Conc. Walk	0.06		-0.2
		4.38 / 14.2		4.6 / 14
2+34	13.8' Rt. = ℄ 2.6 Conc. Walk			-0.28
				4.72 / 13.8
2+25		-0.5	-0.9	-0.8
		4.9 / 12	5.3	5.2 / 12
2+17	14.6' Lt. = ℄ 2.5 Conc. Walk.	-0.24	-0.5	
		4.68 / 14	4.9 / 12	
2+00		-0.4	-0.7	-0.6 -0.5 -0.3
		4.8 / 30	5.1 / 12	5.0 4.9 / 12 4.7 / 30
1+92	13.2' Rt. = ℄ 3.6 Walk - Conc.			-0.33
				4.77 / 13.9
	4.44			4.44

67

Santa Barbara Place

Orig B.M 7.03			3.50	7.02	Error 0.01
T.P.	9.64	10.52	3.56	0.88	
2+81 St					
					on paying
2+70.53	Taken on W. Line Mission Blvd.				
2+50					
		4.44			

Lt. = No. ℄ Rt. = So.

-0.20	-0.58	-0.55	-0.56	-0.19
4.64 Top ob.	5.02 12 Cut.	4.99	5.00 12.6 Cut.	4.63 Top ob.
-0.18	-0.17	-0.07	-0.13	-0.08
4.62 12.0 Top ob.	4.61 12.6 Cut.	4.51	4.57 12.6 Cut.	4.52 12.6 Top ob.
	-0.4	-0.5	-0.4	
	4.8 12	4.9	4.8 12	
		4.44		

Work order #25001 5/14/47

Sommermeyer X
W. Moore X
L. Melton.

X-Section for grade Establishment.
Alley Blk. 108. Mission Beach
16' Wide. Going East.

0.67
4.75
5.42

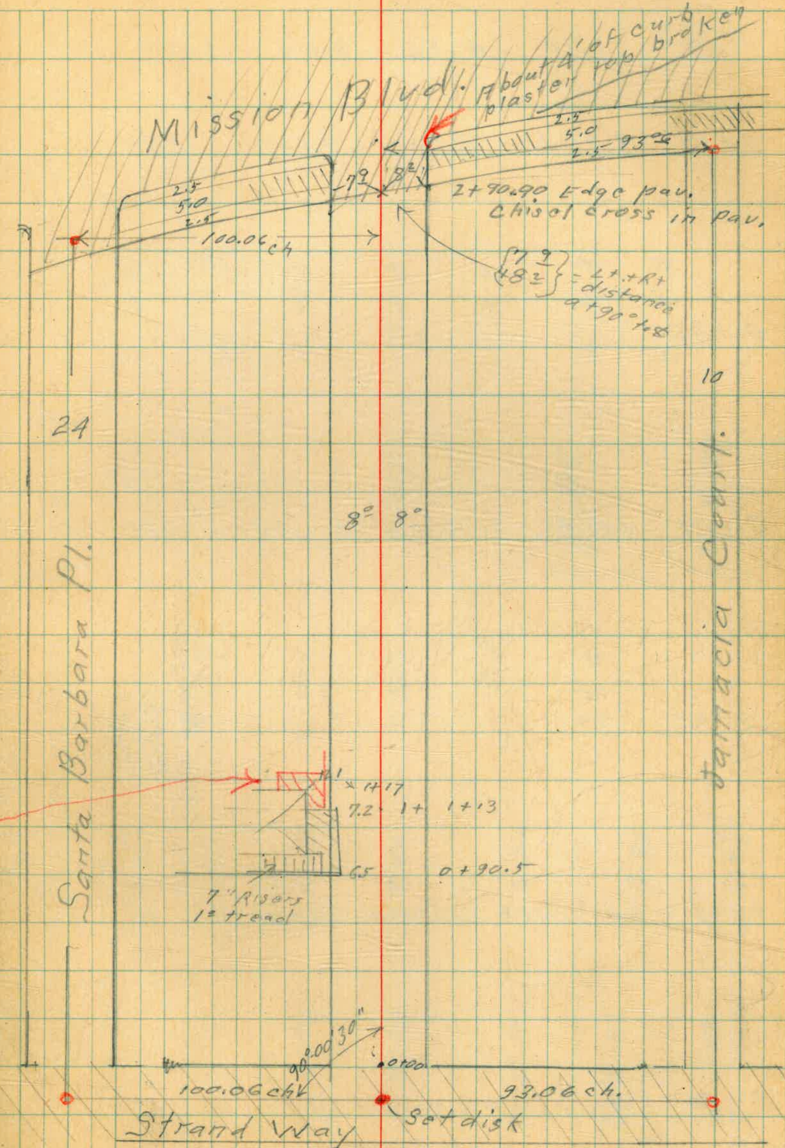
See 1789-16
For Blks 111 + 116.

Part shown in red is
new since 5/14/47

		EL.
1+23	8' Lt = End New slab.	0.07
1+17	= 7' Lt. Brk. in Gr.	0.14
1+13	7' Lt = start Conc. Slab.	0.68

Indexed
e.s.k.

Alley Blk. 108 Mission Beach.



Alley. Blk. 108 Mission Beach

T.P.	1.70	4.16	8.46	2.46
0+58	8.9 Lt. = Start board fence.			
0+30				
0+17	12° Rt. = ℄ door of Sing. Gar. conc. floor			
0+05				
0+00 = East line Strand Way.				
0-10 = ℄ Strand Way				
B.P. Top Sea Wall at Santa Barbara Pl.	3.89	10.92	—	7.03

Notes Reduced 7-15-47 P.L.S.

Lt.: N ℄ Rt.: S

70

4.9	4.9	4.0	3.8	3.9	4.3	4.9	
6.0/50	6.0/20	6.9/8	7.1	7.2/8	6.6/10	6.0/40	
			4.8		5.4	5.37	
			6.1		5.6/12 Ground	5.55/12 Floor	
	5.9	5.8	5.6	5.8	6.0		
	5.0/15	5.1/8	5.3	5.1/8	4.9/15		
5.63	6.02	6.12	6.17	5.81	6.22	6.35	6.47
5.29/100	4.90/88	4.80/50	4.75/8	5.11	4.70/8	4.57/50	4.45/100
5.67	5.81	5.85	5.82	5.88	6.02	6.13	
5.25/100	5.11/50	5.07/8	5.10	5.09/8	4.90/50	4.79/100	

10.92

Alley Blk. 108 M.B.

0+90

0+89 9° Lt = End double Gar.

0+84 E ℄ East ½ double Gar. Dirt floor

0+80 End Conc. Floor + Apron

dirt floor
parage West ½ Conc. Floor, East ½

8° Lt = End board fence. Start double

0+71 8° Lt. = Start Conc. Apron

0+70

4.16

71

Lt. = N ℄ Rt. = S

1.1 / 3.1 / 25

1.0 / 3.2 / 8

1.0 / 3.2

1.1 / 3.1 / 8

2.1 / 2.1 / 25

1.3 / 2.9 / 50

1.6 / 2.6 / 8.9

1.85 / 2.31 / 8.9 Floor

1.51 / 2.65 / 8.- Apron

1.95 / 2.21 / 8.9 Gar. Floor

1.82 / 2.34 / 8 Apron

1.9 / 2.3 / 8

1.8 / 2.4

1.9 / 2.3 / 8

2.7 / 1.5 / 25

4.16

Alley Blk. 108 M.B.

1+23 10' Rt. = Back Edge pole P.A 748

1+23 Start Conc. Apron & double Gar.

1+17 End stucco Bldg 12' Lt. see sketch.

See page 69 for additions 10-2-47

on left.

1+13 End Conc. Apron & double Gar. opening

0+96 Enterance to double Gar. on Lt.

0+92.5 9' Lt. = ℄ Conc. Stairs to 2nd Floor
see sketch

0+90.5 6' Lt. = Start Conc Apron

4.16

Lt. = N. ℄ Rt. = S

Sta.	Lt.	Lt.	Lt.	℄	Rt.	Rt.	Rt.
1+23	4.27 / 12.2 (-0.11) Apron at Bldg.	4.29 / 4.2 (-0.13) Edge Apron 7' Lt.	4.1 / 7 End (0.1)				
1+13	3.40 / 12.1 (0.76) Gar Floor	3.49 / 7.2 (0.67) Edge Apron	3.8 / 6 (0.4)	3.9 (0.3)	3.7 / 8 (0.5)	3.8 / 30 (0.4)	3.0 / 50 (1.2)
0+96	3.37 / 12.1 (0.79) Gar. Floor	3.43 / 6.8 (0.73) (Edge of Apron)	3.3 / 6 (0.9)	3.3 (0.9)	3.2 / 8 (1.0)		
0+92.5		3.13 / 9.1 (1.03) Bottom of steps					
0+90.5	3.04 / 9.1 (1.12) Back Edge Apron	3.18 / 6.5 (0.98) Apron					

4.16

Alley Blk. 108 M.B.

1+50

1+45 11° Rt. = ℄ 10' Conc. Apron 11° = ℄ 10' wide Gar. Conc. Floor.

1+41 E 7° Lt. = End Conc. Apron 12° Lt. = End Gar.

1+36 E 11° Rt. = ℄ 2° Conc. Walk

1+35 12° Lt. = ℄ East door Gar.

Garage doors have grout put outside of doors to keep water out. "(they hope)"

1+27 12° = ℄ West door of Gar.

4.16

	Lt.	℄	Rt.
	-0.4	-0.4	-0.5
	4.6 / 30	4.6 / 8	4.7
	-0.09	-0.30	-0.2
	4.25 / 12.2 Apron at Bldg	4.46 / 11.2 Edge Apron	4.4 / 6 Dirt
	-0.11	0.07	
	4.27 / 12.2 on floor	4.09 / 12.5 on grout	
	-0.14	0.03	
	4.30 / 12.2 on floor	4.13 / 12.5 on grout	

	Lt.	℄	Rt.
	-0.5	-0.5	-0.0
	4.7 / 8	4.7 / 8	4.2 / 30
	-0.3	-0.44	-0.34
	4.5	4.60 / 11 Apron	4.50 / 11.9 Gar. floor
	-0.4	-0.38	
	4.6 / 8	4.54 / 11 ℄ Walk	

4.16

Alley Blk. 108 M.B

2+40

2+35 8° Rt. = End Apron. 10° Rt. = End Gar. opening

2+19 { 10° Rt. = start double garage. Conc. floor.
8° Rt. = End walk start conc. Apron

2+17 Brk. in grade on E+W. walk

2+10 8° Rt. = Start (N.W. Cor.) 2' wide walk East + West

1+80

4.16

	Lt.		℄		Rt.
	-0.4	-0.5	-0.7	-0.7	-0.7
	4.6 (25)	4.7 (8)	4.9	4.9 (8)	4.9 (30)
			-0.5	-0.47	-0.30
			4.7 (8) dirt	4.63 (8) Apron Edge	4.46 (10) Apron Back Edge
			-0.6	-0.47	-0.33
			4.8 (8) Dirt	4.63 (8) Endwalk Edge Apron	4.49 (10) Apron Back Edge
				-0.49	
				4.65 (8)	
		-0.6	-0.8	-0.7	-0.53
		4.8 (8)	5.0	4.9 (8) Dirt	4.69 (8) Edge walk.
	-0.6	-0.7	-0.9	-0.6	-0.5
	4.8 (25)	4.9 (8)	5.1	4.8 (8)	4.7 (25)

-0.20
4.36 (10) Gar. Floor

-0.19
4.35 (10) Gar. Floor

4.16

Alley Blk. 108 Mission Beach

				-0.03 Error.	
Orig. B.M. A 69	(7.03)		1.94	7.03 / 7.00 –	
T.P.	9.68	8.94	5.70	-0.74	
	Reads 5.12 should be about 5.00 Top of South cb. Ret. Broken. Top now				
3+00±	W. Cb. line Mission Blvd.				
2+90²	Meet edge paving (Taken on paving along line Mission Blvd				
2+90¹	End cb. returns. Taken concentric to Mission Blvd				
T.P.	4.91	4.96	4.11	0.05	
2+50					
2+49⁸	8° Rt. = Back edge pole # A 772				
2+41⁵	8° Rt. = ℄ 2° wide Conc. Walk				
		4.16			

Lt. ℄ Rt.

~~-0.90~~ -.10 5.06/50 Top Cb. | ~~-1.39~~ -.59 5.55/50 pav. | ~~-0.87~~ -.04 5.00/9 Top Cb. Ret. | ~~-1.32~~ -.52 5.48/8 pav | ~~-1.33~~ -.53 5.49 | ~~-1.33~~ -.53 5.49/8.3 pav. | ~~-0.84~~ (?) 0 5.0?/9.5 Top Cb. Ret. Broken | ~~-1.40~~ -.60 5.56/50 pav | ~~-0.91~~ -.11 5.07/50 Top Cb.

.11 ~~-0.69~~ 4.85/8.05 Cb. | .09 ~~-0.71~~ 4.87/8.05 pav | .01 ~~-0.79~~ 4.95 | .00 ~~-0.80~~ 4.96/8.38 pav. | .00 ~~-0.80~~ 4.96/8.38 Top Cb.

.10 ~~-0.70~~ 4.86/8.05 End Cb. Top Cb. | .1 ~~-0.7~~ 4.9/8. Dirt | .0 ~~-0.8~~ 5.0 | .1 ~~-0.7~~ 4.9/8.3 Dirt | .00 ~~-0.80~~ 4.96/8.38 End Cb. Top Cb.

(4.96)

-0.6 4.8/8 | -0.7 4.9 | -0.5 4.7/8

-0.50 4.66/8 walk

4.16

Location of sewers
Front + Quince

6-3-47

Sommermeyer
W. Moore
L Melton
E Sherman

Also - Bench Marks
For prop. improvements

			-0.01	
			105.29	
N.E.B.P. Palma 1st. Orig B.M.		1.32	148.28	148.29
6.70	249.60	1.22	242.90	
10.54	244.12	0.76	233.58	
12.32	234.34	0.25	222.02	
11.64	222.27	0.19	210.63	
13.20	210.82	0.10	197.62	
11.97	197.72	0.24	185.75	
12.04	185.99	0.37	173.95	
13.07	174.32	0.57	161.25	
Chisel Cross N.wly. side M.H. Rim. - Man Hole "B".		7.67	154.15	M.H. "B."
1.03	161.82	11.79	160.79	
0.22	172.58	13.27	172.36	
Chisel Cross N. wly side M.H. Rim. - Man Hole "A"		6.23	179.40	M.H. "A"
0.45	185.63	12.95	185.18	
0.29	198.13	12.74	197.84	
Chisel ☐ Back of East curb Front Street 230'± North N. Line Palm.		2.56	208.02	M.H. "C"
0.66	210.58	13.05	209.92	
0.06	222.97	12.93	222.91	
0.31	235.84	13.02	235.53	
N.E.B.P. 1st + Palm	0.26 ~~248.55~~	248.55	—	248.29

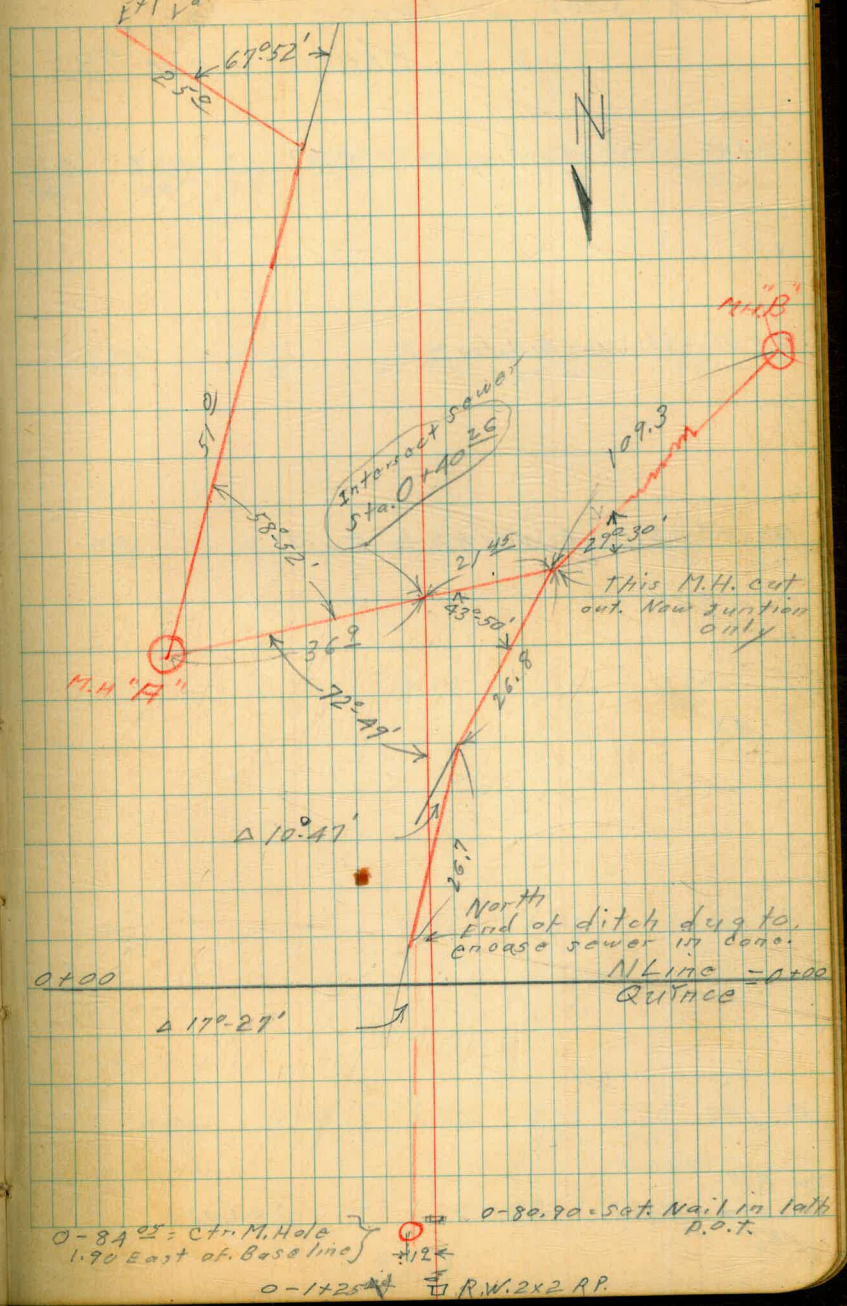
Indexed
c.s.K.

76.

Lined to
L + T. ℄ Palm + Front

℄ Front

Exposed 4" Lateral



5th & Washington

Indexed C.S.K.

X-Sec. Intersection

Sketch - Page 79

0+10	= S. Gutter line Washington to West			4.37 / 90	4.27 / 65
0+00	= St. Washington to west.				
0-19½	= S. Curb Wash. - to East.				
0-40					
0-70					
0-100					
S.W.B.P. Wash. & 5th	4.33	288.35	—	284.02	

L. = West ℄ 5th Rt = East

77

4.71 / 45	4.44 / 40	4.63 / 26	4.80 / 13	5.01	5.51 / 13	5.88 / 26
5.00 / 26	4.71 / 13	5.10 o.h.h.	5.48 / 13	5.96 / 26		
4.97 / 26	4.77 / 13	4.94	5.41 / 13	6.18 / 26	6.89 / 40	
4.70 / 26	4.52 / 13	4.57	5.15 / 13	5.86 / 26		
4.31 / 26	4.24 / 13	4.21	4.65 / 13	5.38 / 26		
4.14 / 26 Gutter	3.79 / 13	3.82	4.27 / 13	4.98 / 26 Gutter		

288.35

0+50	N. Gutter Wash. to west	2.92/90	3.59/65	4.03/45	4.20/40	4.61/26	5.07/13	5.47	5.97/13	6.40/26	7.05/40	
0+40	N. ¼ Washington to west	2.60/90	3.26/65	3.82/45	3.94/40	4.35/26	4.83/13	5.30	5.73/13	6.01/26		
0+30	℄ Wash. to west	2.71/90	3.28/65	3.86/45	4.01/40	4.42/26	4.75/13	5.26	5.70/13	5.96/26		
0+20	S. ¼ Washington to West	2.99/90	3.57/65	4.19/45	4.23/40	4.47/26	4.90/13	5.17	5.60/13	5.91/26		

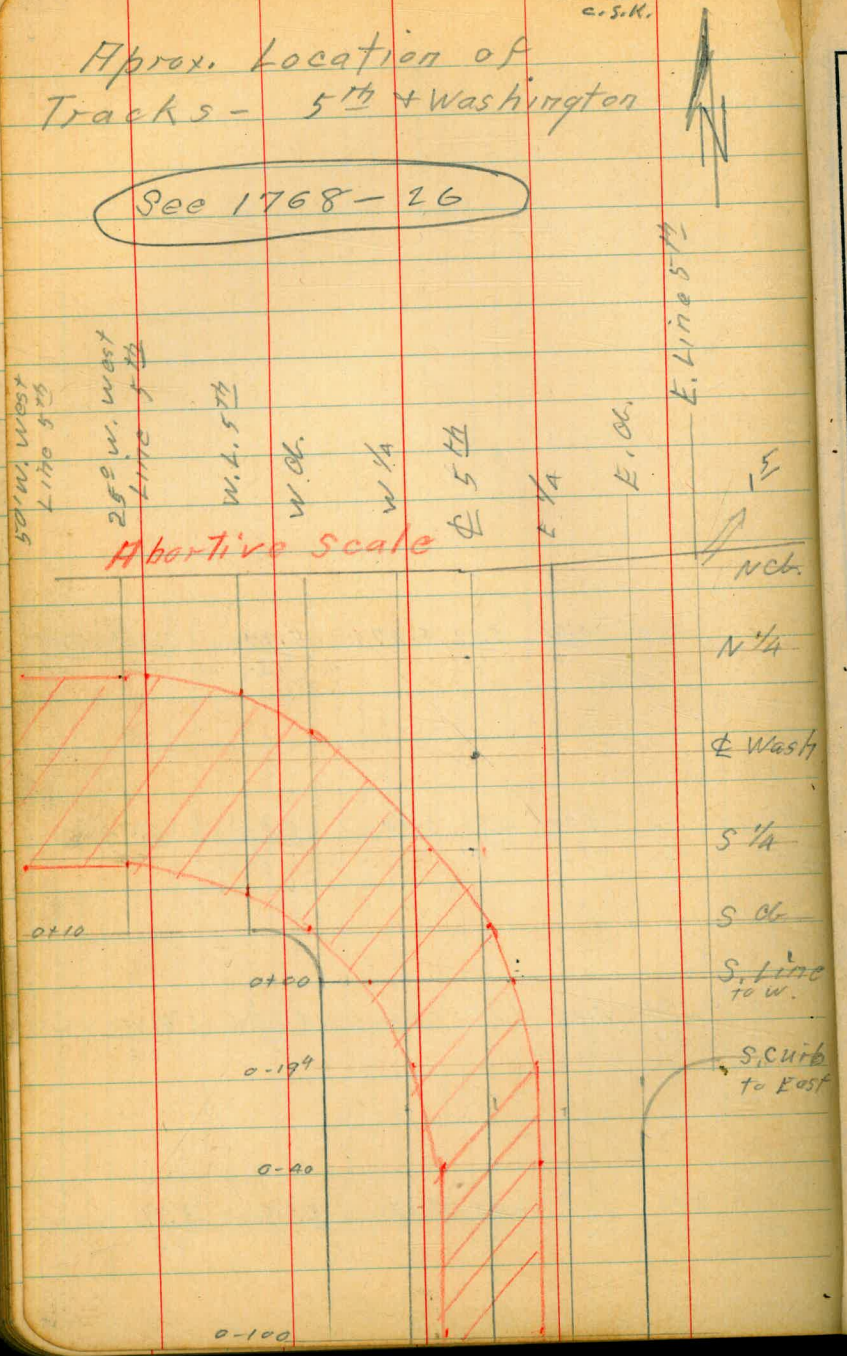
288.35

288.35

Indexed
C.S.K.

Aprox. Location of
Tracks - 5th + Washington

See 1768 - 26



DIETZGEN'S RAILROAD CURVE AND REDUCTION TABLES

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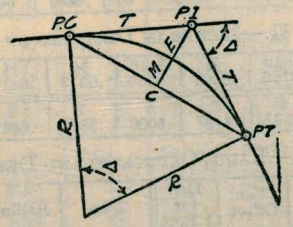

177 41 45
88 50 52
58 66
N 88 48 15 E
N 50 51 E
37 57 15

7647
58.66
17.81

CURVE FORMULAS

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

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

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

External=E=T tan $\frac{\Delta}{4}$ (7)=R ÷ cos. $\frac{\Delta}{2}$—R(8)=R exsec $\frac{\Delta}{2}$ (9)

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

EXPLANATION AND USE OF TABLES

Stations.—Given P. I.=Sta. 161+60.35 to find Sta. of P. C. and P. T. Δ=62° 10′ D=8° 20′. From Table IV for 1° curve T=3454.1 and ÷8⅓=414.49 ft. From Table V correction=.36 or T=414.85 ft. P. C.=Sta. P.I.—T=157 +45.50. Also from (4) L=746.00 and P. T.=Sta. P. C.+L=164+91.50.

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

Deflections.—Deflection angle=½ D for 100 ft., ¼ D for 50 ft., etc. For c ft.=(in minutes) .3 x C x D° or=defl. for 1 ft. from Table III x C. For Sta. 158 of above curve=.3 x 54.5 x 8⅓=136.2′ or 2° 16.2′, or=2.50 x 54.5=136.2′ from Table III. For Sta. 159 deflection angle=2° 16.2′ +8° 20′ ÷2=6° 26.2′, etc.

Externals.—May be found in similar manner to tangents. Thus E for curve above is 115.37. For from Table IV for 1° curve E=960.6 for 8° 20′=960.6 ÷8⅓=115.27 and from Table V correction=.10 or E=115.37 ft. Or suppose Δ=32° and E is measured and found to be 42 ft. What is D? From Table IV E=230.9 and ÷42=5.5 or D=5° 30′.

DIA
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Enter on
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Distance
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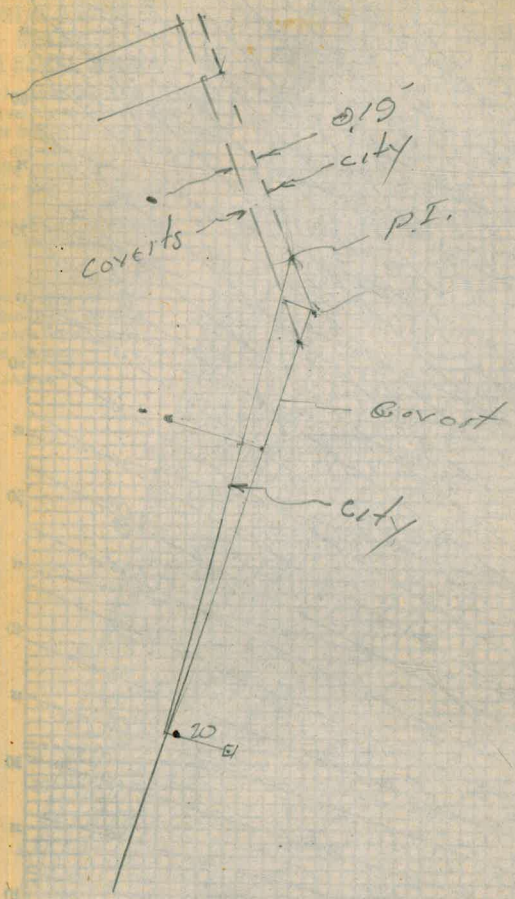

112.75
21.93
90.52

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 = 47 9. For slopes of 1 on 1 see inside of front cover.

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