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.

1699

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.

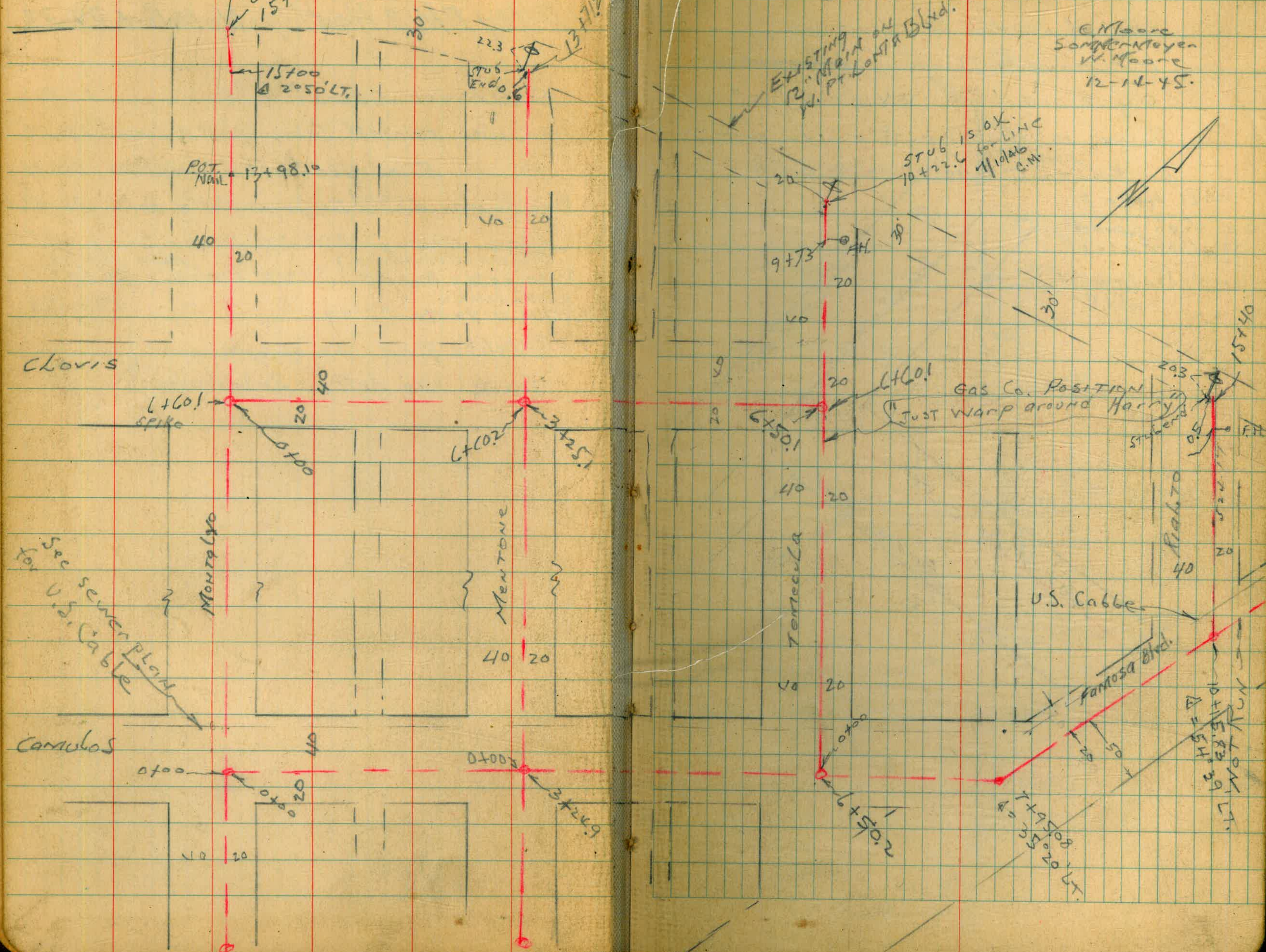
Alley Blk 3 Hartleys North Park 28-33

Indexed C.S.K.

Survey and Levels for Water Lines Loma Alta #2

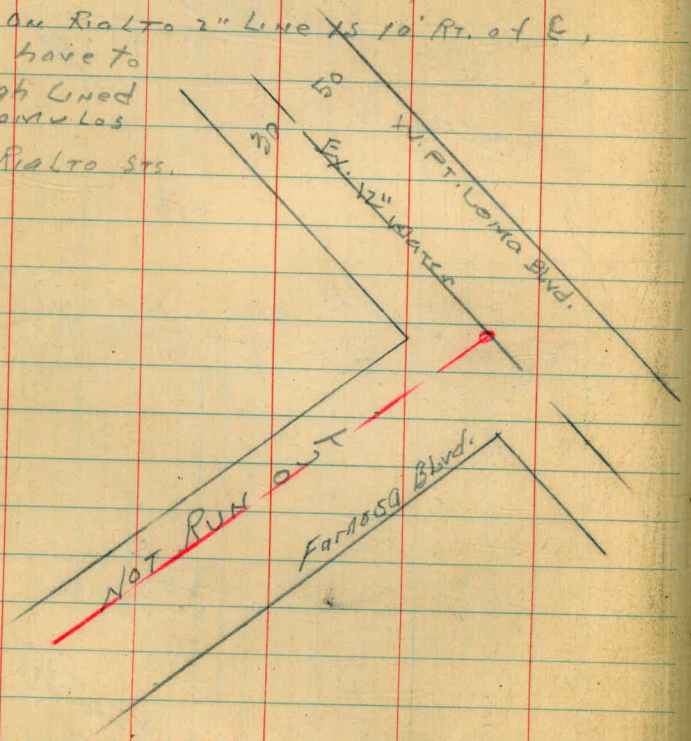
See F.B. 1375

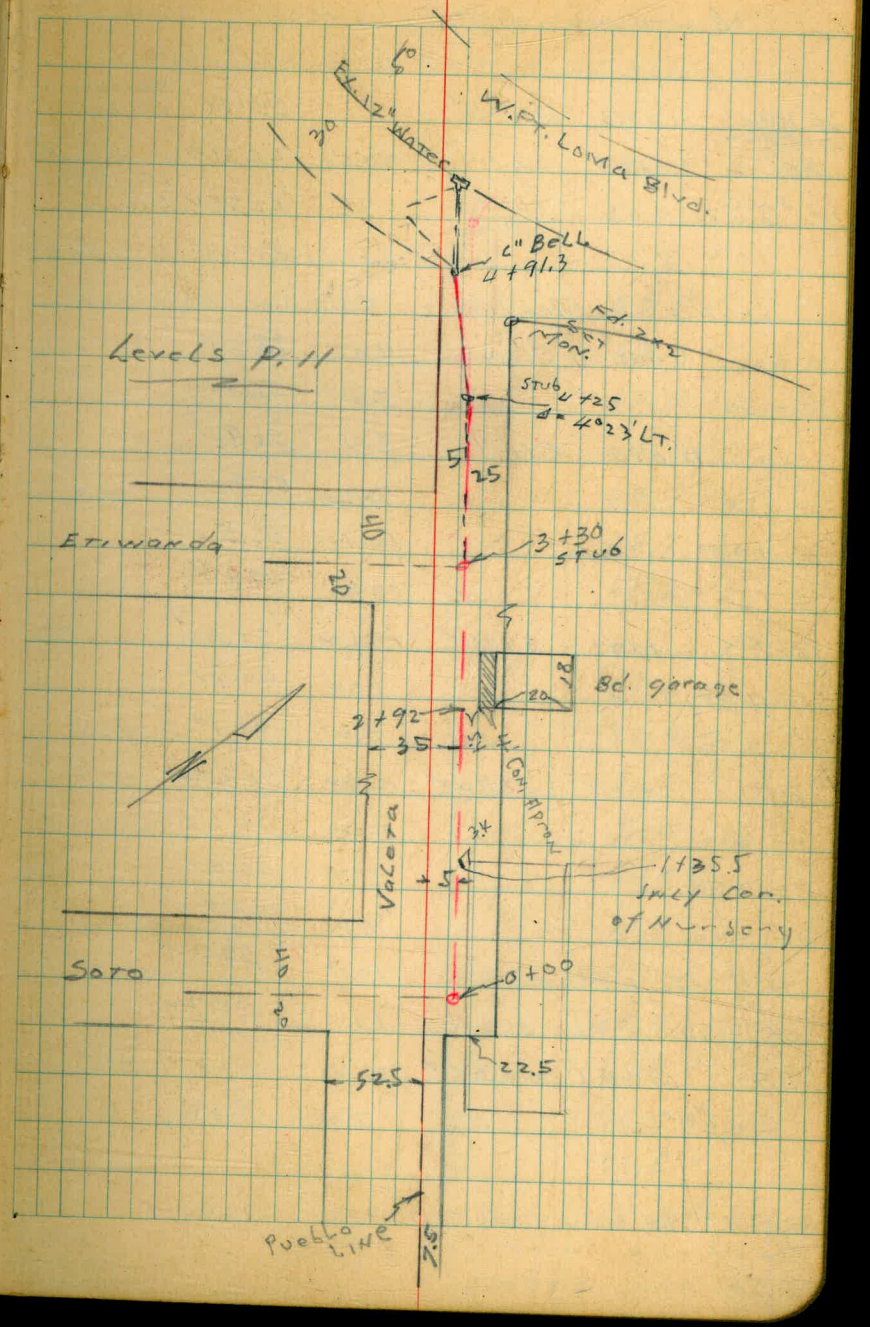
E. Moore
Sommermeyer
W. Moore
12-14-45.



NOTE,

EXISTING 2" WATER LINES ARE ON THE SLY SIDES OF MONTALVO, MENTONE & TEMECULA, & ~~RIALTO~~ STS ON CAMULOS. EXISTING 2" WATER LINE IS ON THE ELY SIDE OF & ST. ON RIALTO. 2" LINE XS 10' RT. OF &, WILL HAVE TO BE HIGH LINED ON CAMULOS AND RIALTO STS.





Montalvo water levels

SE Spike P.P.	12.97	76.96 ✓		63.99	Montalvo Clovis
T.P.	2.68	68.99 ✓	10.65	66.31 ✓	✓
T.P. SW. Cor. Spike P.P.	0.08	62.63 ✓	6.44	62.55 ✓	Montalvo Camulos ✓

Levels on Montalvo, Camulos Ely

0+00	Cross on Camulos	4.0	58.6 ✓	
0 - 30		5.9	56.7 ✓	
"	12' Nly F.H.	5.7	56.9 ✓	
- 50		7.2	55.4 ✓	
- 100		10.1	52.5 ✓	
- 150		12.8	49.8 ✓	
T.P.	1.10	51.11 ✓	12.62	50.01 ✓
- 200		4.4	46.7 ✓	
- 250		9.0	42.1 ✓	
T.P.	0.47	38.70 ✓	12.88	38.23 ✓
- 300		2.0	36.7 ✓	
- 350		5.7	33.0 ✓	
- 400		9.4	29.3 ✓	
- 420	= Plain	10.9	27.8 ✓	
- 450	= Top Bluff	13.4	25.3 ✓	
T.P.	0.57	= 26.65 ✓	12.62	26.08 ✓
- 44.65		7.0	19.6 ✓	
SET T.P. to North to check to on Montone Levels		9.01	17.64 ✓	

Water Levels on Montalvo

Camulos to W.P. Loma Blvd.

B.M. Sw. Spike P.P.	6.76	69.31 ✓		62.55	Montalvo to Camulos
0+00	X on Camulos		10.7	58.6 ✓	
+50			8.8	60.5 ✓	
1		In this Block	7.2	62.1 ✓	
+50		Line is on	6.3	63.0 ✓	
2		Nly edge of	5.6	63.7 ✓	
+50		oil Paving	4.4	64.9 ✓	
3			3.6	65.7 ✓	
+50			2.1	67.2 ✓	
T.P.	4.49	73.49 ✓	0.31	69.00 ✓	
"			3.9	69.6 ✓	
+25			3.0	70.5 ✓	
+50			2.5	71.0 ✓	
+75			2.5	71.0 ✓	
5			2.6	70.9 ✓	
+25			3.5	70.0 ✓	
+50			4.5	69.0 ✓	
6			7.6	65.9 ✓	
+30			9.6	63.9 ✓	
"	12' Nly F.H.		8.0	65.5 ✓	
6+60.1	X on Clovis		11.0	62.5 ✓	
T.P.	0.41	64.40	9.50	63.99 ✓	63.99
SE Spike Montalvo Clovis					

		64.40		
7			4.9	59.5 ✓
+50			9.7	54.7 ✓
T.P.	0.14	51.48 ✓	13.06	51.34 ✓
8			1.3	50.2 ✓
+50			4.5	47.0 ✓
9			6.0	45.5 ✓
+50			6.6	44.9 ✓
10			6.9	44.6 ✓
+50	Thru oil		7.2	44.3 ✓
11	pav. this block		7.4	44.1 ✓
T.P.	3.42	47.51 ✓	7.39	44.09 ✓
+50			3.8	43.7 ✓
12			4.1	43.4 ✓
+50			4.5	43.0 ✓
13			5.0	42.5 ✓
+50			6.3	41.2 ✓
+75			7.4	40.1 ✓
14			9.0	38.5 ✓
+25			11.4	36.1 ✓
T.P.	0.17	34.87 ✓	12.81	34.70 ✓
14+50			1.3	33.6 ✓
15+00	Δ 2°50' LT.		6.4	28.5 ✓
15+28	on Pav		8.9	26.0 ✓
"	F.L. 6" Stub		11.70	23.2 ✓

		34.87 ✓			
T.P.	4.92	29.90 ✓	9.89	24.98 ✓	
Check to Spike BM			5.82	24.08 ✓	24.06 / 0.02

S.Wly P.P. Mentone
& W. Pt Loma Blvd

H.F.N.
Montalvo St. is Oiled Surface W. P.L. Blvd to Cloris St on Water + Sewer locations
Montalvo Cloris to Carmulos Oil Surfacing
Water Main location comes near N. side of Surfacing but should be considered in surfacing
Carmulos Intersection + St. not Surfaced.
Mentone St. is Oil Surfaced W. Pt. L. Blvd. to Cloris

Cloris St not Surfaced. Mentone is Oil Surfaced to about 15' W of ℄ of Cloris at this intersection.

Temecula Water Levels

Camulos to W. Pt. Loma Blvd.

				SE Cor PP Temecula W. Pt. Loma
BM. Spike	4.57	7.65✓		3.08
T.P.	9.84	16.86✓	0.63	7.07✓
T.P. Stub	10.13	19.29✓	7.70	9.16 ✓ 25' NELy of NlyCor of Temecula and Camulos
0+00	Tee on Camulos		12.2✓	7.1✓
+00			11.3	8.0✓
+40			11.3	8.0✓
+60			10.2	9.1✓
1+00	Top bank		6.2✓	13.1✓
"	3' S. in road		7.5	11.8✓
T.P.	12.80	30.99✓	1.10	18.19✓
1+50	Top bank		9.2	21.8✓
"	3' S in road		12.7	18.3✓
2			7.0	24.0✓
+50			3.6	27.4✓
3			0.5	30.5✓
T.P.	12.75	42.9✓	0.87✓	30.17✓
3+50			9.9	33.0✓
4			6.9	36.0✓
+50			5.1	37.8✓
5			4.0	38.9✓
+50			3.8	39.1✓
6			2.5	40.4✓

42.92

6+50			2.2	40.7✓
6+60.1	Tee of Clovis		1.75	41.17✓ STub
T.P.	4.75	45.92✓	1.75	41.17✓ "
Check to SE Spike in AP Clovis & Temecula			2.12	43.80✓ 43.79 .01
7+00			4.9	41.0✓
+50			6.3	39.6✓
8			7.6	38.3✓
+25			8.9	37.0✓
+50			10.5	35.4✓
+75			12.5	33.4✓
T.P.	0.04	32.72✓	13.24	32.68✓
9+00			1.6	31.1✓
+50	Pasture for F.H. Tee		7.1	25.6✓
9+73			9.9	22.8✓
"	12' NLy F.H.		11.2✓	21.5✓
T.P.	3.84	24.63✓	11.93	20.79✓
10+00			4.6	20.0✓
10+22.6	Pav. over Stub at W. Pt. Loma Blvd.		6.2	18.4✓
"	F.L. Stub		8.9	15.7✓
	SEly Cor PP			
Check to BM Spike Montana and W. Pt Loma Blvd.			0.55	24.08✓ 24.06 .02✓

10 22.6
6 60.1
3 6 1.5

Mentone water levels
Bet. Farrosa & W. Pt. Loma Blvd.

T.P.	5.68	23.32 ✓		17.64	See P.3
Camulos -260 ✓			15.1	8.2 ✓	Top of Sewer Cut
-250			12.2	11.1 ✓	
-235 = PLAN			10.2	13.1 ✓	
-195			7.1	16.2 ✓	
-193 on wash			10.8	12.5 ✓	
-187 " "			10.8	12.5 ✓	
-180			6.8	16.5 ✓	
-177			3.5	19.8 ✓	
-164			1.3	22.0 ✓	
-150			0.3	23.0 ✓	
T.P.	12.27	35.51 ✓	0.08	23.24 ✓	
-100			7.2	28.3 ✓	
-50			2.9	32.6 ✓	
-15			0.6	34.9 ✓	
0+00 = Cross on Camulos and Mentone			0.7	34.8 ✓	
T.P.	12.50	47.62 ✓	0.39	35.12 ✓	
0+20			12.7	34.9 ✓	
0+30			11.0	36.6 ✓	
0+50			9.3	38.3 ✓	
1+00			6.5	41.1 ✓	
+50			3.9	43.7 ✓	

-195 to -262 1st 1:1 slope

47.62 ✓

2			2.0 ✓	45.6 ✓	
T.P.	13.03	60.12 ✓	0.53	47.09 ✓	
2+50			11.7	48.4	
3			8.3	51.8 ✓	
+50			4.8	55.3 ✓	
4			1.9	58.2 ✓	
+50			0.2 ✓	59.9 ✓	
T.P.	5.09	65.11 ✓	0.10	60.02 ✓	
5			4.0	61.1 ✓	
+50			3.0	62.1 ✓	
6			3.5	61.6 ✓	
6+30 F.H. Tee			4.0	61.1 ✓	
" 12' N'ly F.H.			3.8	61.3 ✓	
6+60.2 = Cross of Clovis			4.0	61.1 ✓	
check to BM spike on P.P. SE Cor. Mentone and Clovis			2.8 ✓	62.29 ✓	62.34 0.03
6+75 Beg. oil Pav.			4.3	60.8 ✓	
7			5.3	59.8 ✓	
+50			7.3	57.8 ✓	
8			9.1	56.0 ✓	
+50			10.4	54.7 ✓	
9			11.7	53.4 ✓	
T.P.	0.07	53.46 ✓	11.72	53.39 ✓	
+50			1.5	52.0 ✓	
10			2.9	50.6 ✓	
+50			4.9	48.6 ✓	

MENTONE WATER LEVELS

53.46 ✓

11 +00	NAIL R.O.T.		7.7	45.8 ✓	
+50			11.1	42.4 ✓	
T.P.	0.71	41.31 ✓	12.8C	40.60 ✓	
12			3.0	38.3 ✓	
+50			7.5	33.8 ✓	
13			11.7	29.6 ✓	
T.P.	0.6 ✓	= 8.81 ✓	13.12	= 8.19 ✓	
+50			4.7 ✓	24.6 ✓	
0.60 to Lt. or Wly = 13 + 71.7			6.3	22.5 ✓	Pav. over stub end
13 + 71.7 or W. Pt Loma Blvd.	EL. STUB END.		8.5	20.3 ✓	
check to BM Spike Sely Cor. Mentone & W. Pt. Loma			4.76	24.05 ✓	24.0C

CLOVIS WATER LEVELS

MONTALVO to TEMECULA

BM Spike	4+25	68.24 ✓		63.99	SELY P.P. MONTALVO CLOVIS
0+00 = Tee AT		CLOVIS + MONTALVO	5.8	62.4	oil pax
+23	edge oil Pax.		5.7 ✓	63.0 ✓	
+50			5.1	63.1 ✓	
1			5.0 ✓	63.0 ✓	
+50			5.0	63.2 ✓	
2			5.6	62.6 ✓	
+50			6.1	62.1 ✓	
3			6.6	61.6 ✓	
+25.1 = Crossat		MENTONE + CLOVIS	7.1	61.1 ✓	
+50			7.6	60.6 ✓	
4			9.5	58.7 ✓	
+50			12.1	56.1 ✓	
T.P.	0+43	56.57 ✓	12.10	56.1x ✓	
+75			2.4	54.2 ✓	
5			6.4	52.2 ✓	
+50			8.8	47.8 ✓	
6			12.8	43.8 ✓	
+50.1 = Tee 97		TEMECULA + CLOVIS	15.5	41.1 ✓	
check to SE Spike Clovis + Temecula			12.77	x3.80 ✓	x3.79 .01

Camulos Water Levels

Montalvo to Famosa thence via Famosa to Rialto

BM P.3 Swly Spike P.P.	0.50	63.05 ✓	62.55	Camulos & Montalvo
0+00 = Tee at Camulos & Montalvo		4.4	58.6 ✓	
+50		7.2	55.8 ✓	
1		10.2	52.8 ✓	
+50		13.2	49.8 ✓	
T.P. 2	0.33	50.56 ✓	12.8 ✓	50.23 ✓
		3.8	46.8 ✓	
+50		8.1	42.5 ✓	
3		13.3	37.3 ✓	
T.P. 2+24.9	0.26	37.69 ✓ Montalvo and Camulos	13.13	37.43 ✓
Cross at			2.8	34.9 ✓
+50			5.2	32.5 ✓
4			9.7	28.0 ✓
+50			13.6	24.1 ✓
" LT. in Road			14.7	23.0 ✓
T.P.	0.66	25.56 ✓	12.79	24.90 ✓
5+00	Top Bank		4.2	21.4 ✓
"	2' LT. in road		7.7	17.9 ✓
+10	in road		9.2	16.4 ✓
+50			13.6	12.0 ✓
T.P.	0.79	13.51 ✓	12.34	13.22 ✓

13.51

6+00		11.0	9.5 ✓
6+50 = Tee Temecula Camulos		6.3	7.2 ✓
T.P.	6.75	15.90 ✓	4.36	9.15 ✓	P.5 9.16 0.01
7			8.0	7.9 ✓
+25			7.7	8.2 ✓
+50			6.0	9.9 ✓
+75			4.6	11.3 ✓
7+95.08 Δ 35°30' LT			3.7	12.2 ✓
8			3.7	12.2 ✓
+50			4.1	11.8 ✓
9			5.2	10.7 ✓
+50			6.4	9.5 ✓
10			8.4	7.5 ✓
+15.83 Δ 54°39' LT via Rialto St.			9.1	6.8 ✓ ground
T.P.	11.79	18.25	9.44	6.46 ✓ ⊙ on △ Stub
+40			11.0	7.2 ✓
+50			10.5	7.7 ✓
11			6.3	11.9 ✓
+50			3.3	14.9 ✓
12			1.6	16.6 ✓
+50			0.9	17.3 ✓
13			1.4	16.8 ✓
+50			2.5	15.7 ✓
14			3.7	14.5 ✓
+25			5.3	12.9 ✓

		18.25 ✓			
T.P.		1.00	13.60 ✓	5.65	12.60 ✓
14+50				2.8	10.8 ✓
14+94	F.H. Tee			6.1	7.5 ✓ IN Rd
"	12' Nly			5.4	8.2 ✓ ON BANK
15				6.6	7.0 ✓
+20				7.6	6.0 ✓
+30				8.1	5.5 ✓
15+40	0.5 LT to STUB END			9.0	4.6 ✓ ground
"	0.5 LT F.L. STUB END			11.70	1.90 ✓ F.L.
check to SELYCON. FAMOSA & W. 87 LOMA BLVD	BM SPIKE			10.54	3.06 ✓ 3.08 .002

Valeta water levels

Sketch P.7

BM. SP1 SELy P.P.	7.06	46.05 ✓		43.99
T.P.	0.15	53.48 ✓	12.72	53.33 ✓
Set BM. Spike P.P.	NEly Cor. of Soto + Valeta	11.09		42.39 ✓
0+00	at Soto St.	11.2		42.3 ✓
+50		9.6		43.9 ✓
1		7.6		45.9 ✓
+50		6.4		47.1 ✓
2		6.3		47.2 ✓
+50		7.1		46.4 ✓
3		9.8		43.7 ✓
+30	Tee at Etiwanda	12.3		41.2 ✓
T.P. STUB 3+30	0.66	41.80 ✓	12.34	41.14 ✓
3+50		2.6		39.2 ✓
4		9.3		32.5 ✓
T.P.	0.22 ✓	28.94 ✓	12.08	28.72 ✓
4+50		3.0		25.9 ✓
+62		4.5		24.4 ✓
+90		7.5		21.4 ✓

28.94

11

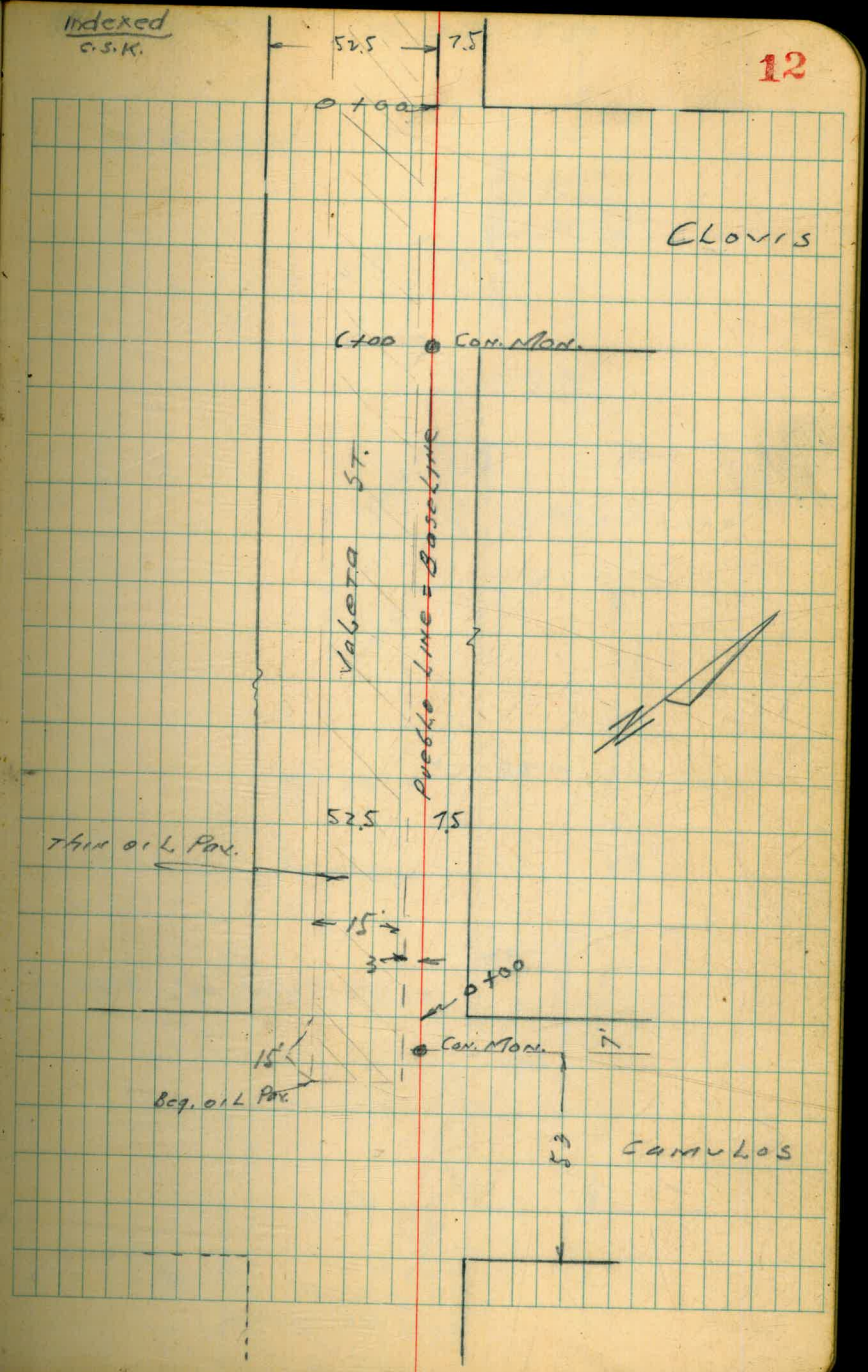
5+03		8.6	20.3 ✓	Beg. Pav
5+07	Δ = 22°30' Rt	8.6	20.3 ✓	Pav.
5+17	= over 12" Main	8.6	20.5 ✓	Pav.
	approx. 3' deep to F.G.			
TP	6.06	29.85 ✓	5.15	23.79 ✓
check to BM Spike SE PP. Mentone & W. Ht. Lomita Blvd		5.76	24.09 ✓	24.06 0.03
1+35.5	34 Rt. to SWly Cor. of Plant Nursery			
1+37	22 Rt " Sly edge of Tel. Pole			
"	3' Rt. Beg. picket fence			
2+91	1.6 Rt to Sly edge Tel. Pole			
"	3.3 Rt end picket fence			
2+92	Ely edge of 18x20 Bd. garage			
4+09	1.9' Rt to Tel. pole			
	Levels on line change			6-22-46
TP 3+30	0.38	41.52		41.14 STUB
4+25	Δ = 4°23' Lt.	12.3	29.2 ✓	STUB
T.P.	0.01	28.73 ✓	12.80	28.72 ✓
4+50		2.9		25.8 ✓
4+75		5.7		23.0 ✓
4+91.3	ground	7.7		21.0 ✓
"	Top 6" Bell	9.4		19.3 ✓

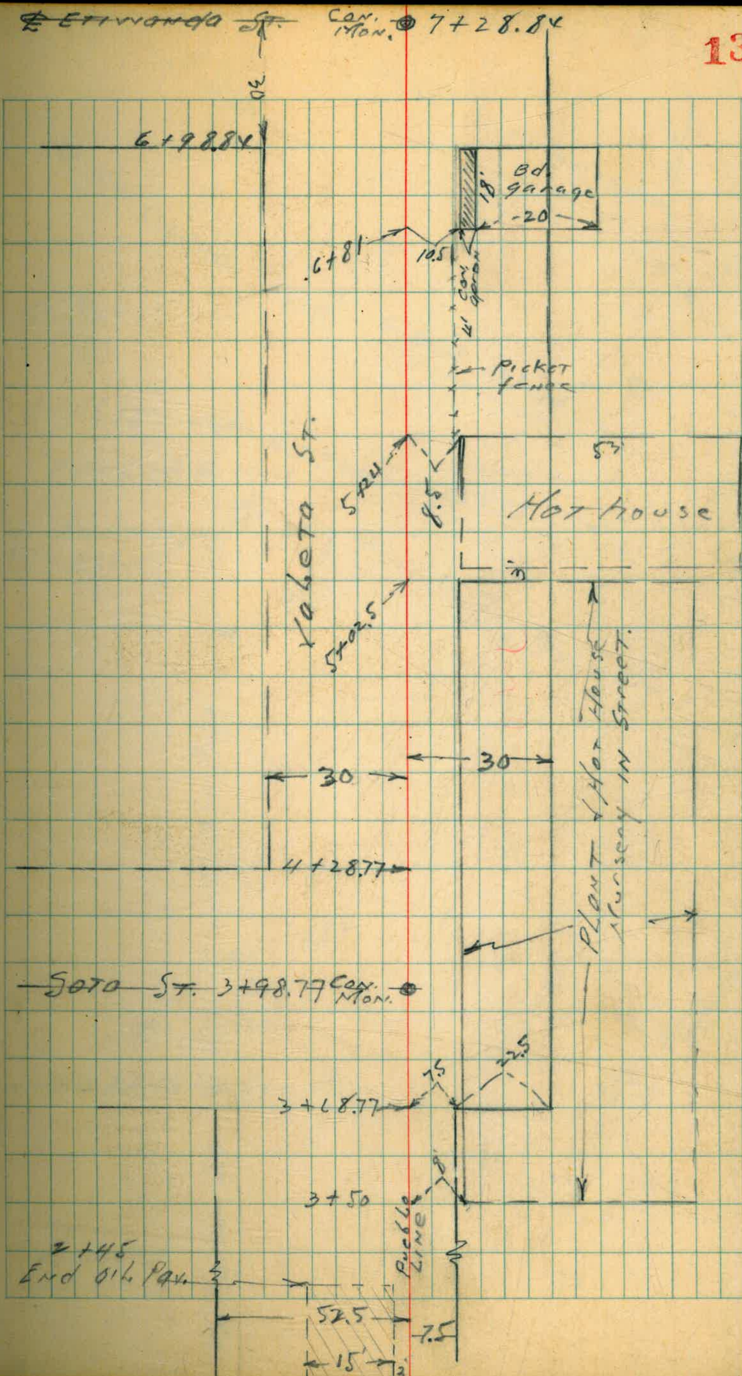
Cross Sec. Valeta St.
Camulos to W. Paloma Blvd.

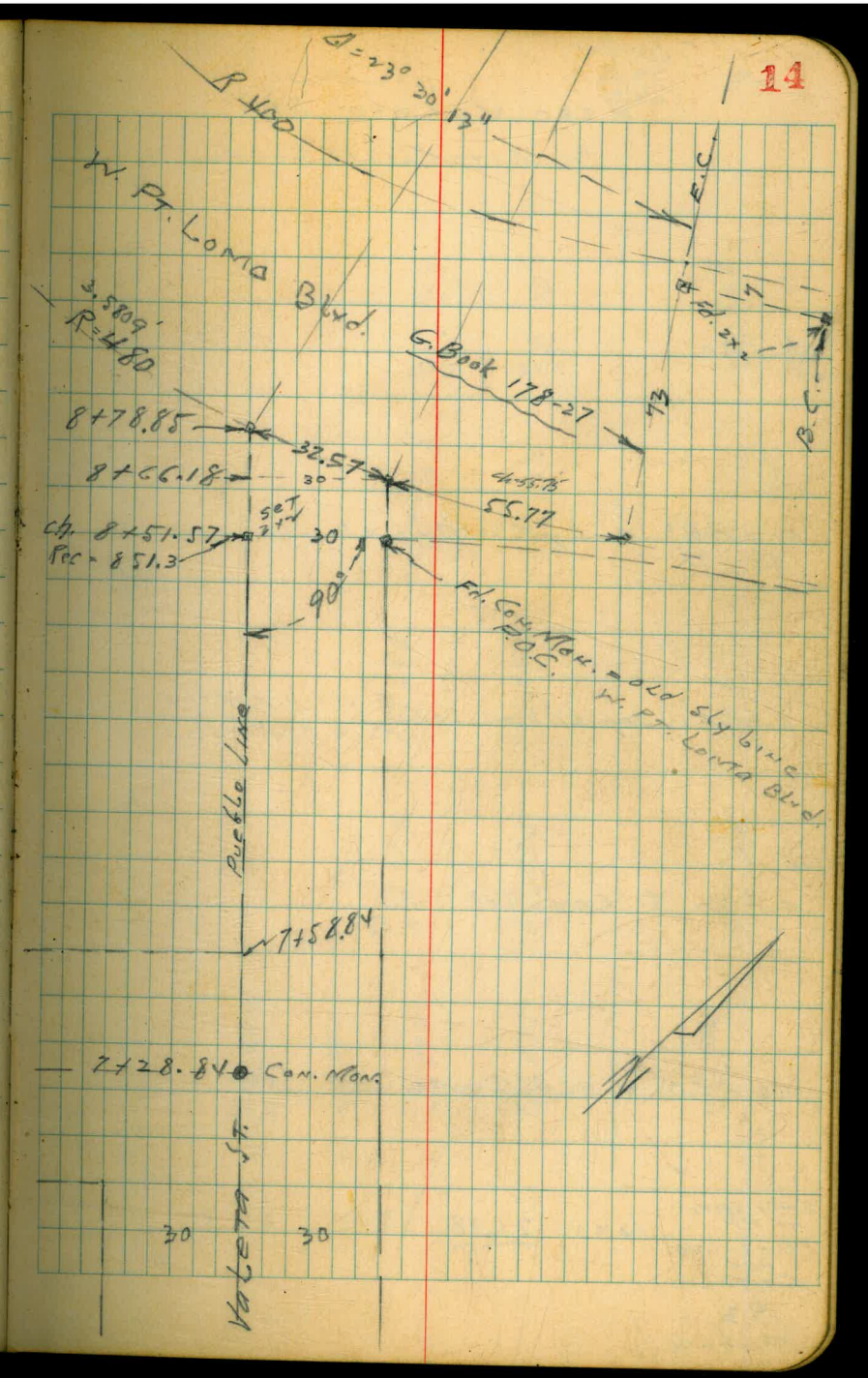
C. Moore
Sommermeyer
W. Moore
Bcgg.
6-24-46.

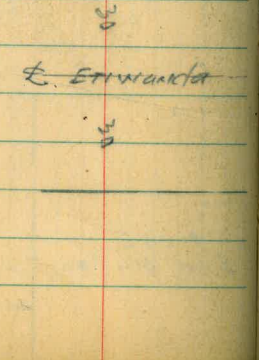
G.B. 178-27
F.B. 1375-6 1067-27
" 1377-7
Map # 1087

Indexed
C.S.K.




℄ Etiwanda St.
Con. Mon.
7+28.84
6+98.84
Bd. garage
18'
20
6+81
10.5
Picket fence
Hot house
Yaleta St.
5+24
8.5
5+02.5
30
30
4+28.77
Plant & Hot House Nursery in Street.
Soto St. 3+98.77
Con. Mon.
7.5
22.5
3+18.77
3+50
Pueblo Line
2+45
End Oil Pav.
52.5
7.5
15


Δ=230° 30' 134
R 400
W. Pt. Loma Blvd.
3.580°
R=480
G. Book 178-27
8+78.85
32.57
8+66.18
30
55.77
Ch. 8+51.57
Rec - 851.3
30
90°
Pueblo Line
7+58.84
7+28.84 Con. Mons.
Valeta St.
30
30
E.C.
B.C.
Ft. Con. Mon. P.O.C.
W. Pt. Loma Blvd.


℄ Entrance
30
30

X sec Valera St.
to Establish Grade.

0 + 50

0 + 00 Wly Cantu Los St.

0 – 15 Beg. Thin oil Pav. ℄ strip approx. 10' S of Pueblo Line.

0 – 30 ℄ Cantu Los St.

00 – 60' = Ely Cantu Los St.

Swly spike in P.P. Montalvo and Cantu Los P. 3 this book

12 x 3 74.98 62.55

Lt. = 56y.

Pueblo Line B.L.

Rt. 15

2.7 / 52.5 — 10.7 / 42.5 — 20.4 / 7.4 Beg. Bk. Fence

7.6 / 3.4 / 52.5 — 69.6 / 5.4 / 22.5 — ℄ 12" P.P. / 6.3 — 69.5 / 5.5 / 7.5

68.8 / 5.7 / 52.5 — 69.2 / 5.8 / 22.5 — 66.7 / 7.3 / 7.5

68.8 / 5.2 / 52.5 — 68.5 / 6.5 / 22.5 — 67.2 / 7.8 / 7.5

69.2 / 5.8 / 52.5 — 68.0 / 7.0 / 32 — 69.0 / 8.0 / 29 — 67.1 / 7.9 / 22.5 — 67.5 / 8.4 / 7.5

74.98

1+42 ℄ 8' wide Con. apron. & Sin. gar. Con. Fl.

1+24 ℄ 2' Con. Walk

1+09 ℄ Sin. gar. d. of Fl.

1+00

0+93 ℄ Sin. gar. Con. Floor

0+88 end Lath house

0+C8 end Bd. & Bcg. Lath House

0+53 ℄ 2.5 Con. walk.

Lt. B.L. Rt

181 5.17 9.4

4.98 11.7 94 Fl.

101 4.97 7.5

70.3 4.7 8.1

72.2 2.8 52.5

70.7 4.3 22.5

℄ 1½" Pp. 6.2

70.4 4.6 7.5

103.3 4.65 11.7

Lath House 7.8

Fence 7.4

Lath House 7.8

70.5 4.50 7.8

74.98

3+50

3+40 ℄ Sim. gas. dist FL.

3+00

2+50

TP. 10.05 79.78 5.25 69.73

2+00

1+50

74.98

Lt. Bl. Rt. 17

73.0 / 6.8 / 52.5

73.1 / 6.7 / 30

72.7 / 7.1 / 22.5

72.8 / 7.0 / 7.5

72.1 / 7.7 / 11.5

72.1 / 7.7 / 52.5

72.0 / 7.8 / 35

70.9 / 8.9 / 22.5

70.6 / 9.2 / 7.5

71.4 / 8.4 / 52.5

69.8 / 10.7 / 22.5

69.1 / 10.7 / 7.5

79.78

71.0 / 4.0 / 52.5

69.6 / 5.4 / 22.5

℄ 12" R.P. 6.2

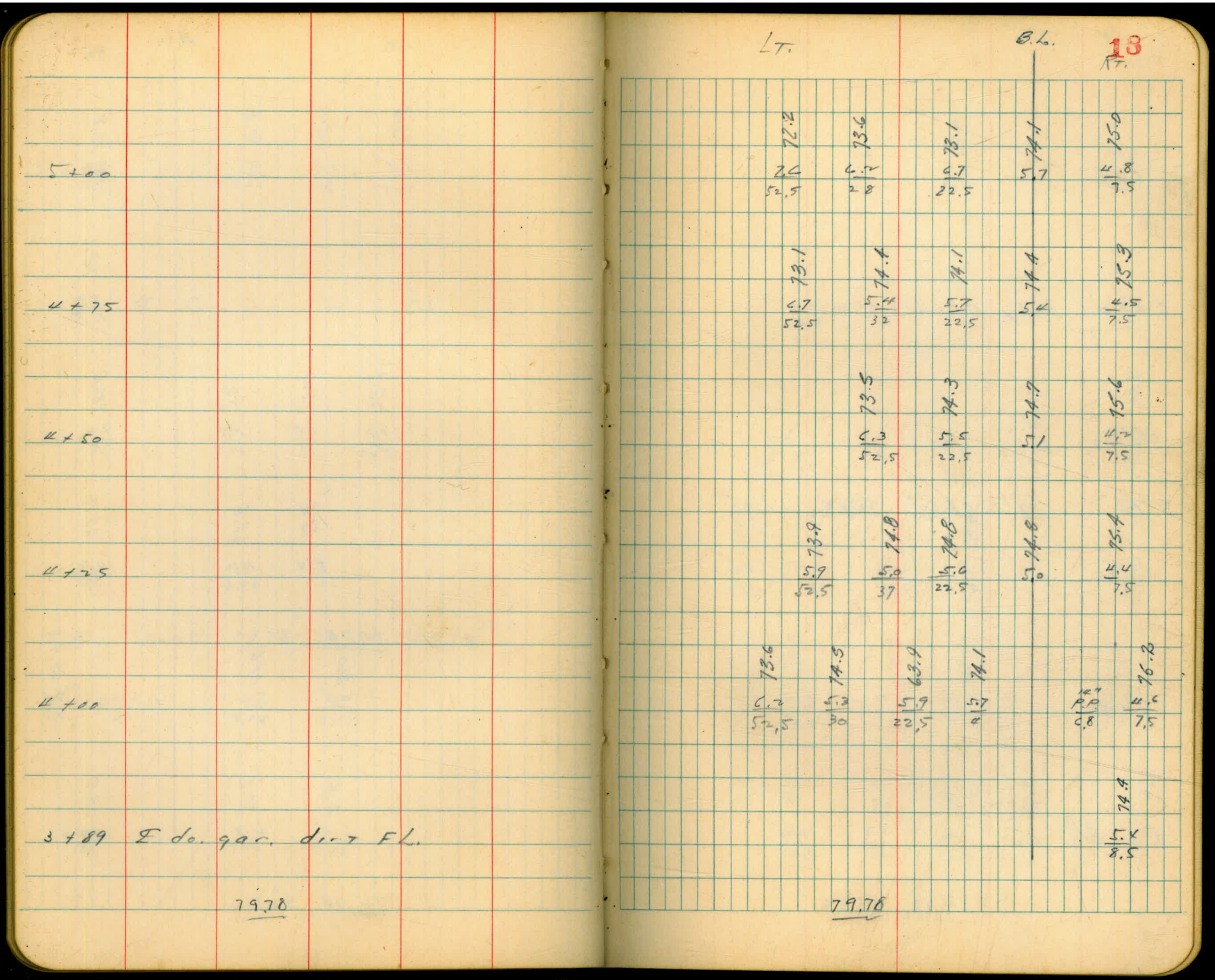
69.4 / 5.6 / 7.5

71.4 / 3.0 / 52.5

70.2 / 4.8 / 22.5

70.0 / 5.0 / 7.5

74.98


5+00
4+75
4+50
4+25
4+00
3+89 E de. gar. dir. FL.
7978
LT.
B.L.
RT.
72.2
73.6
78.1
74.1
75.0
73.1
74.1
74.1
74.4
75.3
73.5
74.3
74.2
75.6
73.9
74.8
74.8
74.8
75.4
73.6
74.5
63.4
74.1
76.3
79.78

6+05

6+00 = Ely Clovis St.

5+93

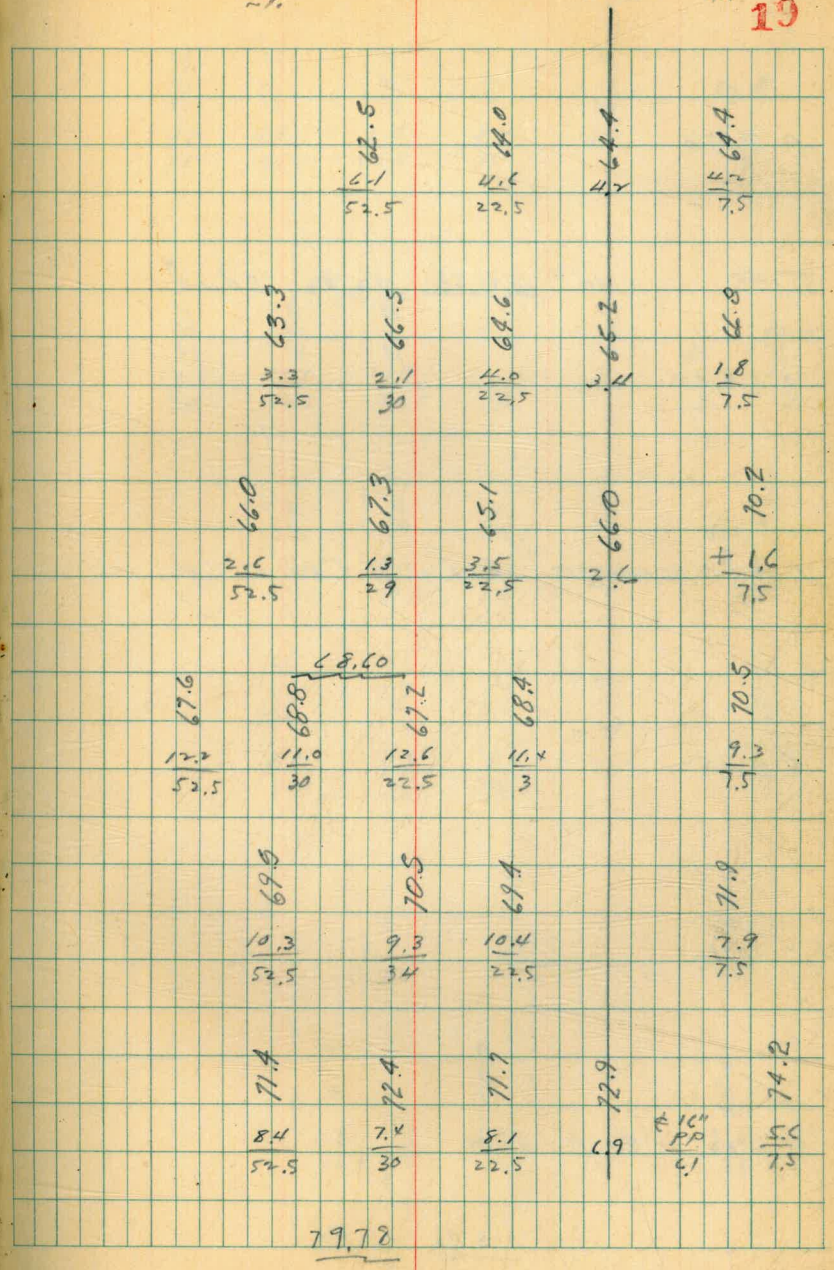
T.P. 1.67 68.60 12.85 66.93

5+75

5+50

5+25

79.78



0 + 50

T.P. 0.40 56.50 12.50 56.10

0 + 26

6 + 60 = 0 + 00 = W Ly Clovis St.

6 + 45

6 + 40

6 + 30 ℄ Clovis St.

68.60

Lt. Ex. Rt.

53.3 53.5 54.0 53.1 53.1 53.9
3.2 3.0 2.5 3.4 3.1 2.6
75 52.5 22.5 16 7.5

56.50

56.1 56.0 56.0 56.0 56.1 59.0
12.5 12.6 11.8 12.6 12.2 ℄ 12" PR 11.6
75 52.5 22.5 18 6.8 7.5

59.2 60.3 59.3 59.7 60.3
9.4 8.3 8.3 8.9 8.3
52.5 22.5 18 7.5

60.5 62.1 61.0 61.5 62.8
8.1 6.5 7.6 7.1 5.8
52.5 32 22.5 7.5

62.0 61.6 62.2
6.6 7.0 6.2
52.5 22.5 7.5

62.1 62.2 62.0
6.5 5.9 5.6
52.5 22.5 7.5

68.60

1+90 ± 16' Con. apron & gar. con. FL. Levels

1+75

T.P. Spike in P.P. 1+75 0.5 Rt. 42.1 47.97 12.79 43.71

1+50

1+28

1+00

0+75

56.50

Lt. B.L. Rt.

42.7 42.7 43.1 42.5 42.4 42.8 42.8

5.2/75 5.2/52.5 4.8/22.5 5.4/15 5.5 5.1/7.5

47.97

44.0 44.4 44.1 44.0 44.4

12.5/75 12.0/52.5 11.8/22.5 12.4/13 12.5 12.1/7.5

46.3 46.4 46.4 45.8 45.7

10.7/75 10.1/52.5 10.1/22.5 10.7/13 10.6/7.5 & 1.5 Brick Wall

48.0 48.8 48.0 48.1 48.4 48.8

7.6/75 7.6/52.5 7.5/22.5 8.4/14 8.3 7.7/7.5

50.8 51.5 51.5 50.7 50.8 51.3

5.7/75 5.0/52.5 5.0/22.5 5.8/14 5.7 5.2/7.5

56.50

41.1 41.8 41.8

5.80 5.44

7.8 & apron 11.6 gar.

3+00

2+75

2+50

2+25

2+15 E do. gas. Com. FL. 20' wide

2+00

479'

Lt. Bl. Rt.

38.6	38.8	39.6	39.2	39.1
9.3 / 7.5	9.1 / 52.5	8.3 / 22.5	8.7 / 20	8.3
				40.1
				7.8 / 7.5
38.7	38.9		39.5	39.6
9.2 / 7.5	9.0 / 52.5		8.4 / 22.5	8.3
				40.0
				7.9 / 7.5
39.3	39.4		39.8	39.8
8.6 / 7.5	8.5 / 52.5		9.1 / 22.5	8.1
				40.1
				7.8 / 7.5
40.5	40.2		40.2	40.3
7.4 / 7.5	7.7 / 52.5		7.7 / 22.5	7.6
				41.0
				6.9 / 7.5
				41.5
				6.40 / 11
41.5	41.4		41.3	41.1
6.4 / 7.5	6.5 / 52.5		6.6 / 22.5	6.8
				41.7
				6.2 / 7.5

479'

4+87 E 2.8 Brick walk

4+50

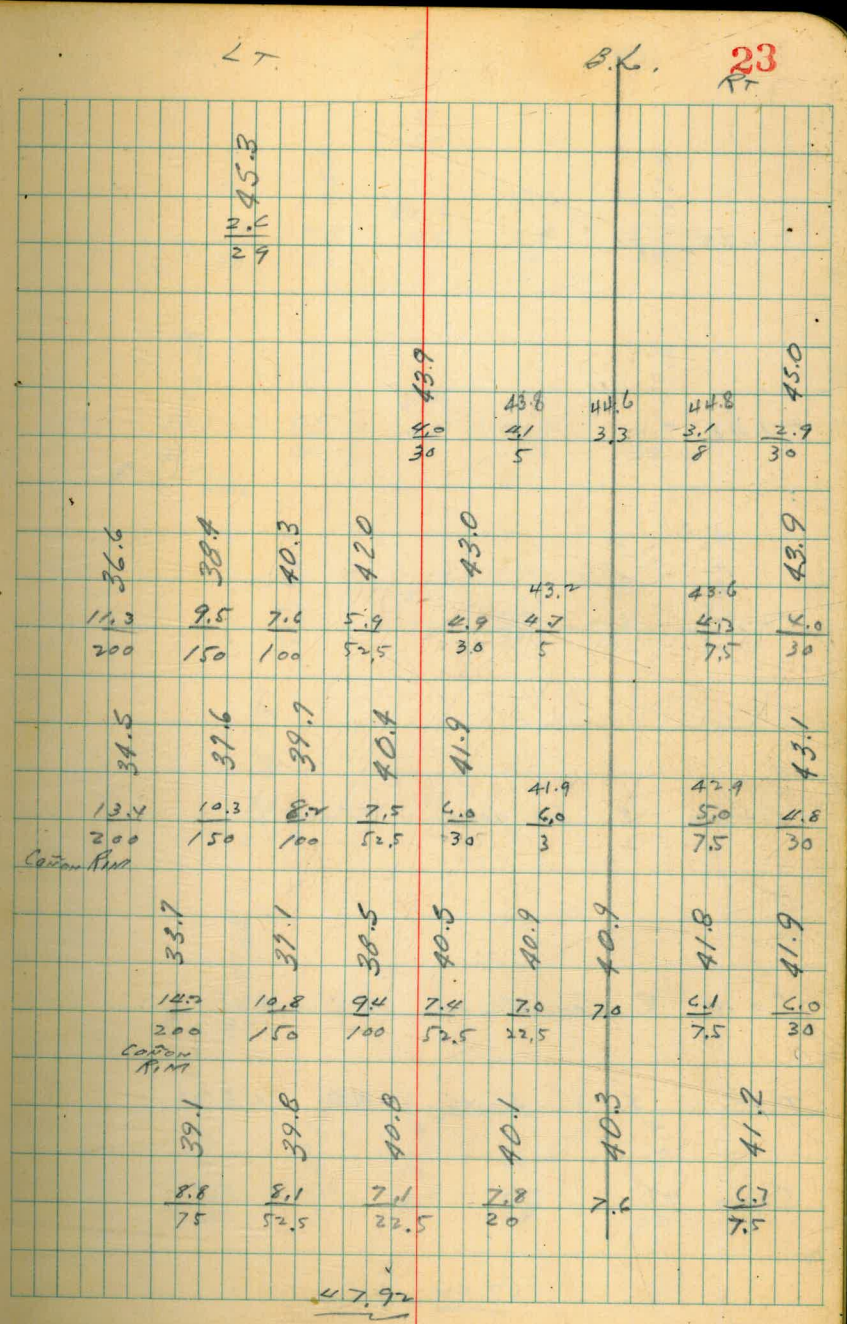
4+28.77 W.L. Soto

3+98.77 E Soto St.

3+68.77 Ely Soto St.

3+50

47.92



5+75

5+48

5+25

5+22 ℄ Sunnyside Floor?

5+10 ℄ Conc drive 6.5 wide

T.P. 5.53 51.46 1.99 45.93

5+00

47.9±

Lt. B.L. Regelo Line ℄ ST. Rt.

47.0 / 4.5 / 30

46.8 / 4.7 / 20

46.8 / 4.7

47.6 / 3.9 / 10

47.8 / 3.7 / 30

46.38 / 5.08 / 31

℄ 2.5 Conc Walk

46.5 / 5.1 / 30

46.1 / 4.8

47.3 / 4.2 / 10

47.6 / 3.9 / 30

46.0 / 5.5 / 30

46.3 / 5.2

P.P. / 7.7

47.2 / 4.3 / 10

47.5 / 3.9 / 30

45.79 / 5.67 / 8.3

45.36 / 6.10 / 37

51.46

45.7 / 1.2 / 30

45.7 / 1.2

46.4 / 1.5

46.4 / 1.5 / 8

46.9 / 1.0 / 30

47.9±

6 + 79

6 + 75

6 + 50

6 + 25

6 + 13 — ℄ 3' Conc. walk 21.6 in street

6 + 00

51.46

Lt ℄ Rt

S.T. Pueblo Line

Tel. P. 1/7

45.1	46.5	44.4	44.0	44.1	45.4	45.4
6.4 / 30	5.9 / 18	7.1 / 16	7.5	7.4 / 4	6.1 / 6	6.1 / 30
46.0	46.2	45.5	45.3	46.4		46.6
5.5 / 30	5.3 / 20	6.0 / 18	6.2	5.1 / 10		4.9 / 30
46.0	P.P.	46.3	46.1	46.8		47.1
5.0 / 30	21	5.2 / 20	5.4	4.6 / 10		4.3 / 30
				47.19		47.56
				4.27 / 8' Walk		3.90 / 30 Walk
	46.9	46.5	46.5	47.4		47.6
	4.6 / 30	5.0 / 15	5.0	4.1 / 10		3.9 / 30

51.46

Station	Description
8+00	
7+74	℄ Con. apron & do. gar. 15' wide
7+58.84	W.Ly Etiwanda St.
T.P.	3.17 41.95 12.68 38.78
7+28.84	℄ Etiwanda St. — 38.4 13.1/60
6+98.84	E.Ly Etiwanda St. — 41.6 9.9/8.5 Cañon Rim
6+90	℄ 18' wide Con. apron & gar. IN STREET
	51.46

Lt. — Pueblo Line — Rt.

Station								
8+00	25.0 17.0/25	31.9 10.1/13	33.8 8.2/4	30.8 11.1/2	30.8 11.2 (S.L. St.)	31.9 10.3/21	Tel.P. 24	37.1 4.9/30 ← M.L. St.
7+74						39.0 2.95/52.4 apron		39.24 2.71/57 gar.
7+58.84	32.8 9.2/50	38.1 3.9/30 Cañon Rim	40.4 1.6/7	36.6 5.4/5	36.6 5.4	37.7 4.3/19	40.3 1.7/27	40.3 1.7/30
T.P.					41.95			
7+28.84	41.6 9.9/44 Cañon Rim	41.9 9.6/30	42.6 8.9/11	40.1 11.4/9	40.1 11.4	40.3 11.2/6	41.9 9.6/17	42.4 9.1/30
6+98.84	44.0 7.5/50	44.3 7.2/30	44.4 7.1/16	42.7 8.8/13	42.5 9.0	42.6 8.9/7	44.4 7.1/11	44.1 7.4/30
6+90						44.61 6.85/10.5 apron		44.80 6.66/14.5 gar. Con. FL.
					51.46			

Check to Spike B.M. P.P. Swly W. Pt. Loma and Mentone		5.74	24.08	24.06
T.P.	5.24	29.82	6.35	24.58
8+78.85 Sly W. Pt. Loma Blvd. as graded				
8+66.18 at 90°				
8+51.57 at 90° with Con. Mon.				
8+35				
T.P.	2.00	30.93 / 41.95	13.02	28.93

Lt. — Pueblo Line S.L. St. — Rt.

		21.5 / 9.6/15	21.7 / 9.7	22.0 / 8.9/20	23.0 / 7.9/32.57 Stub	
		23.2 / 7.7/12	22.6 / 8.3	22.2 / 8.7/20	23.0 / 7.9/30 Stub	
08.9 / 22.0/30	18.2 / 12.7/15	24.8 / 6.1/5	24.3 / 6.6	24.3 / 6.6/21	28.91 / 2.02/30 on Mon.	Con.
14.4 / 16.5/30	20.9 / 10.0/13	26.7 / 4.2/3	26.2 / 4.7	26.4 / 4.5/20	31.4 / +0.5/30	34.3 / +3.4/40

30.93

M.t. St.

Alley Blk. 3 Hartleys North Park

31st to Herman. So. of Univ.

Conc. Pav. 15' wide

0+18 8.2 Lt. = B.C. Conc. Ret. wall. End of wall
7.9 Lt. = Start Board Fence

0+10

0+00 = E. line 31st - 7½ Rt. = Start E+W. Conc. Wall

0+08 7½ Lt. = Start Cold lay Service Yard

0-08½ Sunken paving

0-10 Continued

0-10 = E. of. line 31st

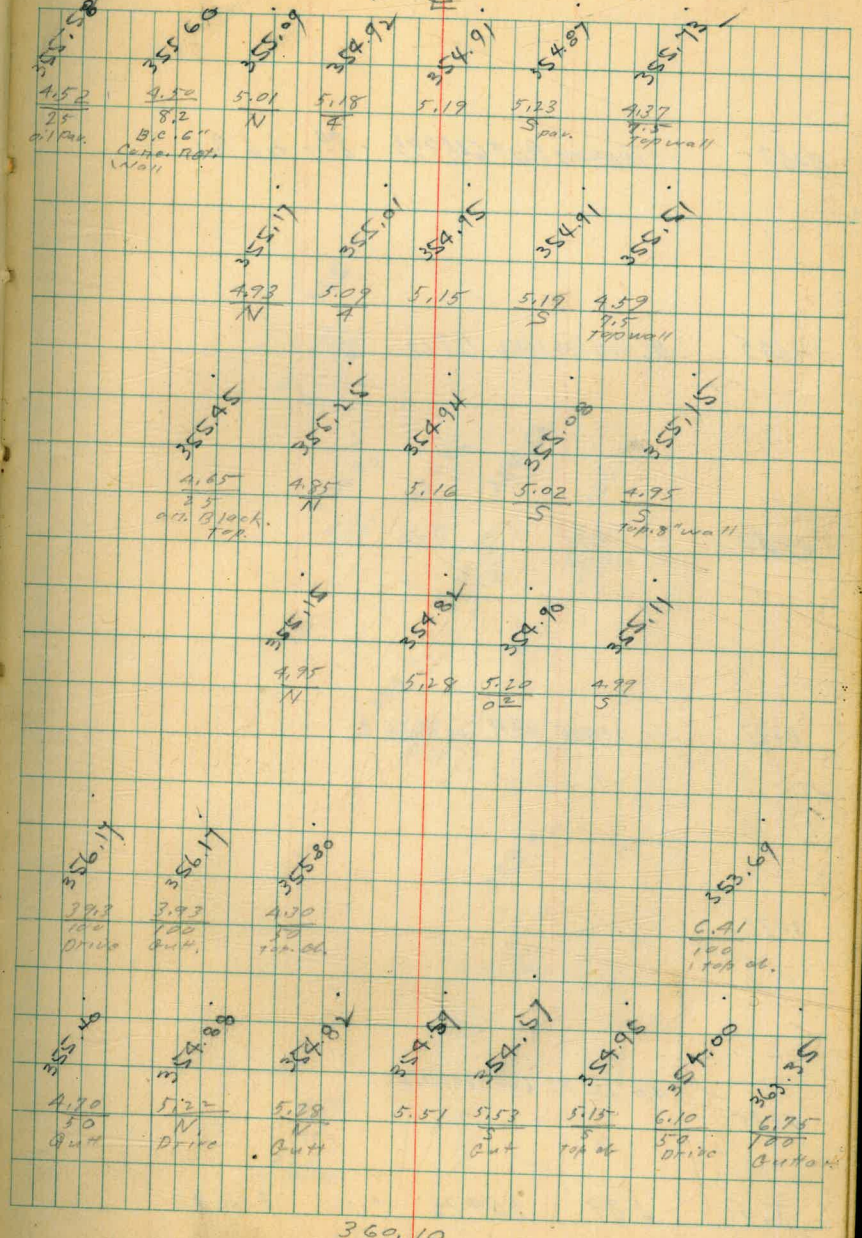
	5.99	360.10	6.17	354.11
N.W.B.P.				
Univ. Iowa.	3.78	360.28	—	356.50

Indexed
C.S.K.

N = 7½ Lt. of ℄ = Edge pav.

S = 7½ Rt. of ℄ Edge Pav.

23

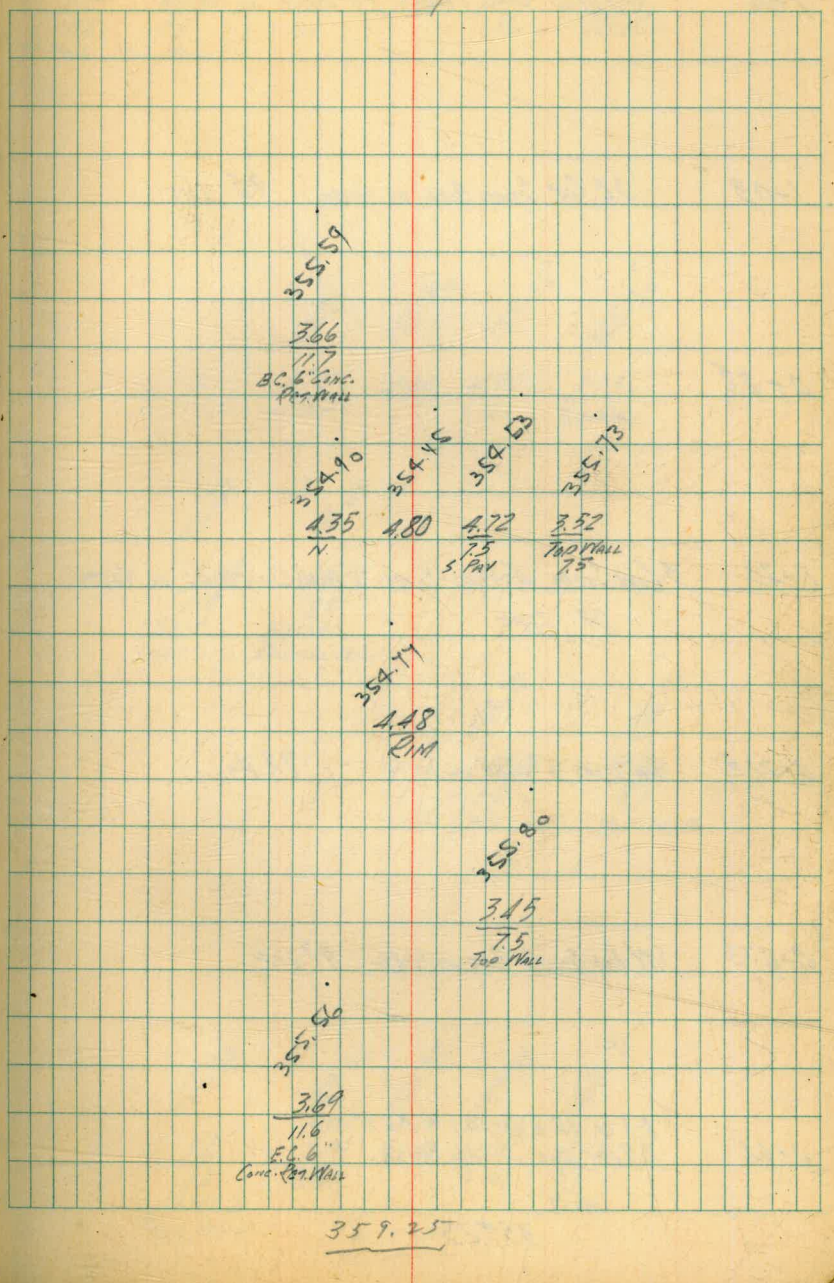


360.10

0+63	Telephone Pole #648995 - 8° Lt to 6" Pole.			
0+60.5	B.C. Conc. Ret. Wall 11.7 Lt			
0+50				
0+27	Sewer M.H. on Alley ℄			
0+22				
0+21	11.6 Lt. E.C. Conc. Ret. Wall			
T. P.	4.39	359.25	5.24	354.86
		360.10		

N = 7° Lt = Edge Conc. Pav. ℄ Alley

S = 7.5 Rt = Edge pavt.



1+06 — 2ª Wide Conc. Walk 7½ Left on North

1+03 — S.E. Cor. Stucco Bldg. on North 9½ Left

0+88

0+83 — 3 Conc. Steps 4'-Wide - Entry To Med. Clinic Bldg. on North 8½ Left.

0+72½ — Con. Steps. 3ª Wide on South - 7½ Rt.

0+67½ — S.W. Cor. Stucco. Bldg. on North 9½ Left.

0+62 — 8.3 Lt. E.C. 6' Ret. Wall & End of Wall
7.9 Lt. End Board Fence.

359.25

355.31	354.56	354.52	354.20	354.32	355.60
3.94	4.69	4.73	5.05	4.93	3.59
13.5	7.5	N. Par		S. Par	Top Wall
2ª Walk	2ª Con. Walk				

354.53	354.26	354.35	355.70
4.72	4.99	4.90	3.55
N. Par.		S. Par.	Top Wall

356.67	354.63
3.58	4.67
11.4	8½
Top of Landing	Bottom - Ground Level

354.33	355.71
4.92	3.54
7.5	9.7
S. Par	Top Step

355.63	354.80	354.34	354.41	355.71
3.62	4.45	4.91	4.84	3.54
8½	N. Par		S. Par	7.5
E.C. & End Ret. Wall				Top Wall

359.25

1+58	8" Conc. Brick Wall - N.&S. on Left - 7.5 Left			
	Wall is 5.80 High above Pav.			
1+50.5	℄ of Conc. Apron & 2 Gar. Garage on Rt.			
	Apron is Level + 21.6 Wide, Garage is 20.0			
T.P.	5.19	359.05	5.39	353.86
1+40	E. Line of "T" Alley N.&S.			
1+	℄ of "T" Alley N.&S. & Sewer MH. on ℄ S			
1+25	W. Line of "T" Alley N.&S.			
1+19	End of E.&W. Wall on South 7.5 Rt.			
	359.25			

N = 7.5 Lt. = Edge Pav. ℄ S = 7.5 Rt. = Edge Pav.

354.97 — 5.08 N. Pav

353.99 — 5.26

354.01 — 5.04 S. Pav

354.02 — 5.03 N. Pav.

353.98 — 5.27

354.01 — 5.04 S. Pav + Apron

354.19 — 4.86 11.5 Floor Gar.

359.05

354.14 — 5.11 N. Pav.

353.91 — 5.34 40

353.85 — 5.40

354.00 — 5.65 S. Pav.

354.31 — 4.94 50

353.93 — 5.37 100

354.18 — 5.07 N. Pav

353.94 — 5.31 40

353.80 — 5.45 Rim M.H.

353.97 — 5.28 S. Pav.

354.17 — 5.08 50

353.84 — 5.41 100

354.33 — 4.92 N. Pav.

354.11 — 5.14 40

354.00 — 5.25

354.05 — 5.20 S. Pav

354.35 — 4.90 50

354.11 — 5.14 100

354.16 — 5.09 S. Pav

354.60 — 3.65 Top 8" Conc Wall

359.25

2+63 8^{E} Rt. = Ctr. 14" X 14" Conc. post.

2+55

2+52 8^{E} Rt. = Ctr. 14" X 14" Conc. Post.

2+42 8^{E} Rt. = Ctr. 14" X 14" Conc. Post

2+35

2+32 8^{E} Rt. = Ctr. 14" X 14" Conc. Post.

2+21 8^{E} Rt = Ctr. 14" X 14" Conc post

2+15

2+00

1+82 8" Conc. Brick Wall N. & S. on Left - 7.5 Left

Wall is 3.90 above Pavements

359.05

N = 7^{E} Lt. = Edge pav ℄ S = 7^{E} Rt. = Edge pav

353.68	353.26	353.15	353.16
5.37	5.79	5.40	5.89
25^{E} In Parking Area	N. Pav.		S. Pav.
353.03	353.40	353.26	353.24
5.22	5.65	5.79	5.81
25^{E} In Parking Area.	N. Pav.		S. Pav.
353.97	353.41	353.19	353.25
5.08	5.64	5.86	5.80
25^{E} In Parking Area.	N. Pav.		S. Pav.
354.05	353.57	353.40	353.41
5.00	5.48	5.65	5.63
25^{E} In Parking Area.	N. Pav.		S. Pav.
354.23	353.80	353.65	353.73
4.82	5.25	5.40	5.32
25^{E} In Parking Area	N. Pav.		S. Pav.
354.04	353.75		353.85
5.01	5.30		5.20
	N. Pav.		S. Pav.

359.05

Starting B.M.			3.70	356.50
T.P.	6.18	360.20	5.03	354.02

2+78 Cont.

2+78 +or- W. Curb Line Herman

2+67 End of Curb Return on Left

2+65± = W. L. Herman

359.05

N = 75 Lt. = Edge Pav. ℄ S = 75 Rt. = Edge Pav.

353.99 — 5.06 / 50 — Curb Top

352.12 — 6.93 / 50 — Curb

353.11 — 5.94 / 50 — Gutter

352.84 — 6.21 / 75 — Cor. Driveway Curb

351.65 — 6.40 — W. Pav

352.47 — 6.58

352.43 — 6.62 — S. Pav.

352.80 — 6.25 / 75 — Top Curb

351.61 — 7.14 / 50 — Gutter

353.22 — 5.83 / 75

353.61 — 5.14 / 75 — Parking Area

353.32 — 5.83 — W. Pav

353.11 — 5.94

353.11 — 5.94 — S. Pav.

352.09 — 5.96 — Alley Return

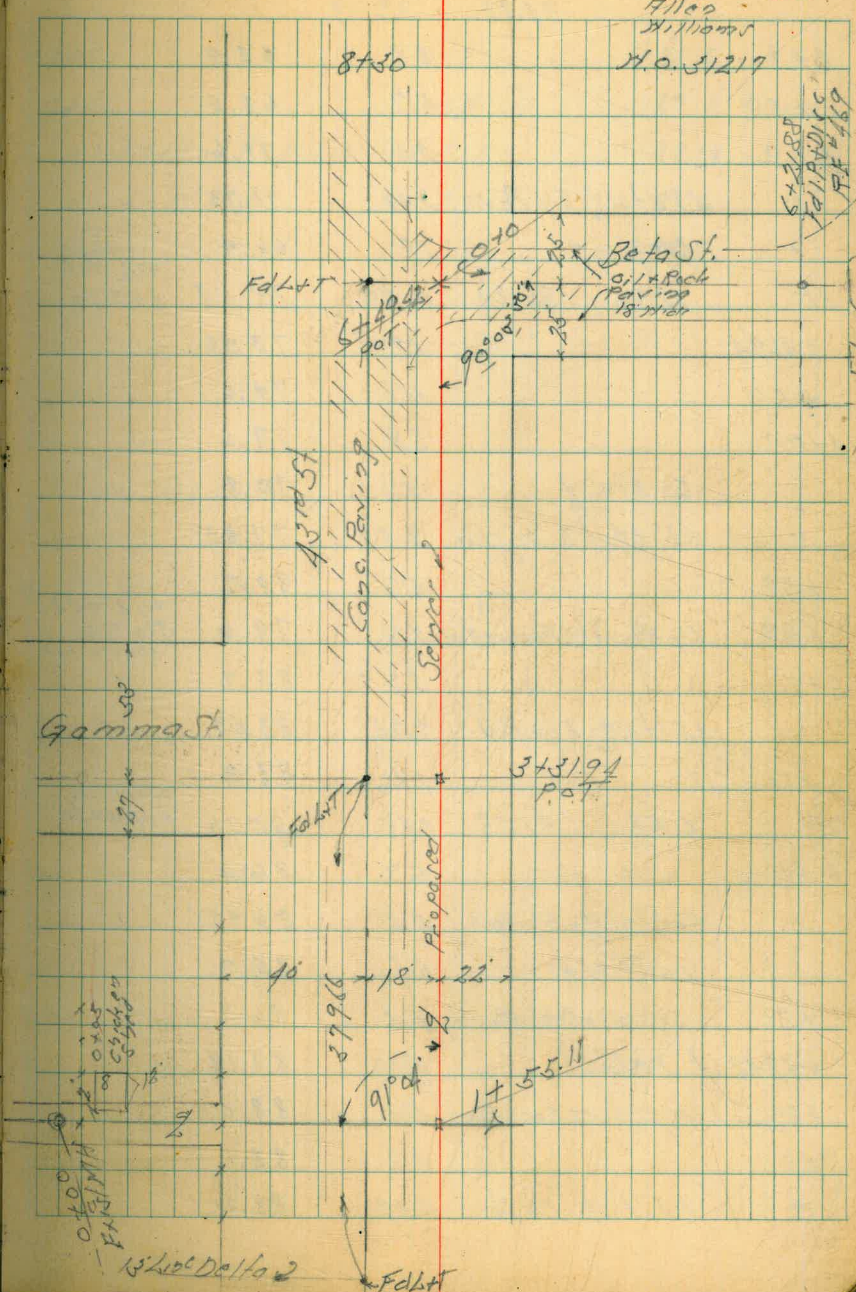
359.05

Proposed Sewer 43rd St
South of Gamma St to North of Beta St

BM	0.94	53.30		52.36	B.P.S.L. Epsilon W Edge Pav Agrd
TP	12.50	65.24	0.56	52.74	
BM			8.64	56.60	N W B P H H Delta Agrd 56.60
TP	10.14	74.22	1.16	64.08	
0+0	= Existing Man Hole		7.83	66.39 ✓	on Rim
"			19.66	54.56	Flow Line
+04	= N & S Woven Wire Fence				
+09	5' Rt of ℄ = ℄ Fruit Tree				
+13	= N & S Woven Wire Fence				
+25			7.7	66.5	
+35	1' Lt of ℄ Sly Youngberry				
+50			5.6	68.6	
+55	8.2 Rt of ℄ ℄ 4" Apricot Tree				
"	11.5 Lt " " 4" Peach Tree				
+68	12.6 Lt of ℄ ℄ 3" Apple "				
+82	12.5 Lt " " ℄ 6" Fig "				
+96	= N & S Woven Wire Fence				
1+0			5.3	68.9	
+19			7.2	67.0	
+23			11.3	62.9	
+31	= Wly Conc Paving		11.33	62.89	
+39.6	= ℄ " "		11.23	62.99	
+48.9	= Ely " "		11.35	62.87	
+55.11	∠		11.65	62.57	on Stub
"	56' East		15.6	58.6	

Indexed
e.s.k.

June 23-47
Sisson
McCoy
Allen
Williams
W.O. 31217



74.22

2+0		8.8	65.4	
+50		5.7	68.5	
3+0		2.6	71.6	
"	6.1 Lt of ℄: Fly Pav.	2.49	71.73	
"	50' Rt of ℄	7.8	66.4	
TP	12.96 86.38	0.80	73.42	on ℄ Hub 3+31.94
+31.94		12.96	73.42	
+50		11.8	74.6	
4+0		8.8	77.6	
"	50 Rt of ℄	15.6	70.8	
"	6.2 Lt of ℄: Fly Pav	8.55	77.83	
+50		5.7	80.7	
+89	67' Rt = 5½ Emma House	6.8	79.6	0.2" out by Stg Tube in Basement
5+0		3.2	83.2	
"	6.1 Lt of ℄: Fly Pav	2.75	83.53	
+50		1.1	85.3	
TP	6.58 92.28	0.68	85.70	Nail Pav Opp. 5+50
6+0		5.7	86.6	
"	56 Lt of ℄ = Fly Pav.	5.86	86.92	
"	50' Rt of ℄	6.4	85.9	
+21	= 5½ Oil + Rock Paving	5.4	86.9	
+49.42 = ℄ Back St		5.10	87.18	
+89	= 4½ Oil + Rock Pav	4.3	88.0	
7+0		4.3	88.1	
"	4.1 Lt of ℄ = Fly Pav	4.07	88.21	

92.28

7+50	3.8		88.5
8+0	3.5		89.1
"	5.2 Lt of ℄ = Fly Paving	3.12	89.16
"	50' Rt of ℄	2.7	89.6
+30	2.8		89.5

Proposed Sawyer Beta St.
43rd St. to 600' East.
Sketch Page 34

0+0	=6+49.42	92.28	Bk Ford Page 35	
0+41	12 Lt of ℄ = SLy	24' Palm Tree = WLy		Palms 24' Centers to East
"	12' Rt " " = WLy	" "		
+50	on Oil & Rock Bar	5.66	86.62	
+73	29 Lt of ℄ = SELy	2.13	89.85	Stucco House on Floor
1+0	on Oil & Rock Bar	6.02	86.26	
+40	48' Rt of ℄ = ℄ & NLy	4.90	87.38	Stucco Ho. on Floor
"	44' Lt " " = ℄ & SLy	3.45	88.73	Frame House on Floor
TP	7.30	93.72	5.86	87.42
+50	on Oil & Rock	7.38	86.34	
+97	50 Lt of ℄ = ℄ & SLy	3.80	89.92	Stucco House on Floor
2+0	on Oil & Rock	7.00	86.72	
+41	49' Rt of ℄ = ℄ & NLy	4.86	88.86	Stucco House on Floor
+50	on Oil & Rock	6.37	87.35	
+92	51 Lt of ℄ = ℄ & SLy	2.32	91.40	Frame Ho. on Floor
3+0	on Oil & Rock	5.74	87.98	
+20	56' Rt of ℄ = ℄ & NLy	3.83	89.89	Stucco Ho on Floor
+50	on Oil & Rock	5.08	88.64	
"	45' Lt of ℄ = SELy	1.57	92.15	Stucco Ho on Floor
4+0	on Oil & Rock	4.81	89.41	
"	48' Rt of ℄ = ℄ & NLy	2.59	91.13	Frame Ho. on Floor
TP	6.25	96.66	3.81	90.41
+50	on Oil & Rock	6.40	90.26	
"	101' Rt of ℄ = NELy	7.13	89.53	Frame Ho. on Floor
5+0	on Oil & Rock Bar	5.50	91.16	

96.66

5+0	47 Lt of ℄ = ℄ & SLy	2.76	93.90	Stucco House on Floor
+50	on Oil & Rock Bar	4.25	92.41	
"	49' Rt of ℄ = ℄ & NLy	2.92	93.74	Stucco Ho on Floor
"	47 Lt " " = ℄ & SLy	2.60	94.06	Stucco Ho. on Floor
+93	= ELy Palm Trees	24' Centers to West		
6+0	on Rock & Oil Bar	3.63	93.03	on H.P. & Disc
+21.88		3.67	92.99	
+42.5	= ELy Oil & Rock Bar	3.91	92.75	
7+0		3.1	93.6	
+12	= ℄ & NLy	0.78	95.88	Frame Ho. on Floor
TP	2.82	91.46	8.02	88.64
	6.09	95.82	1.73	89.73
8+0			5.69	90.13

S.W. Chiseled Elbow at 3rd 90/16

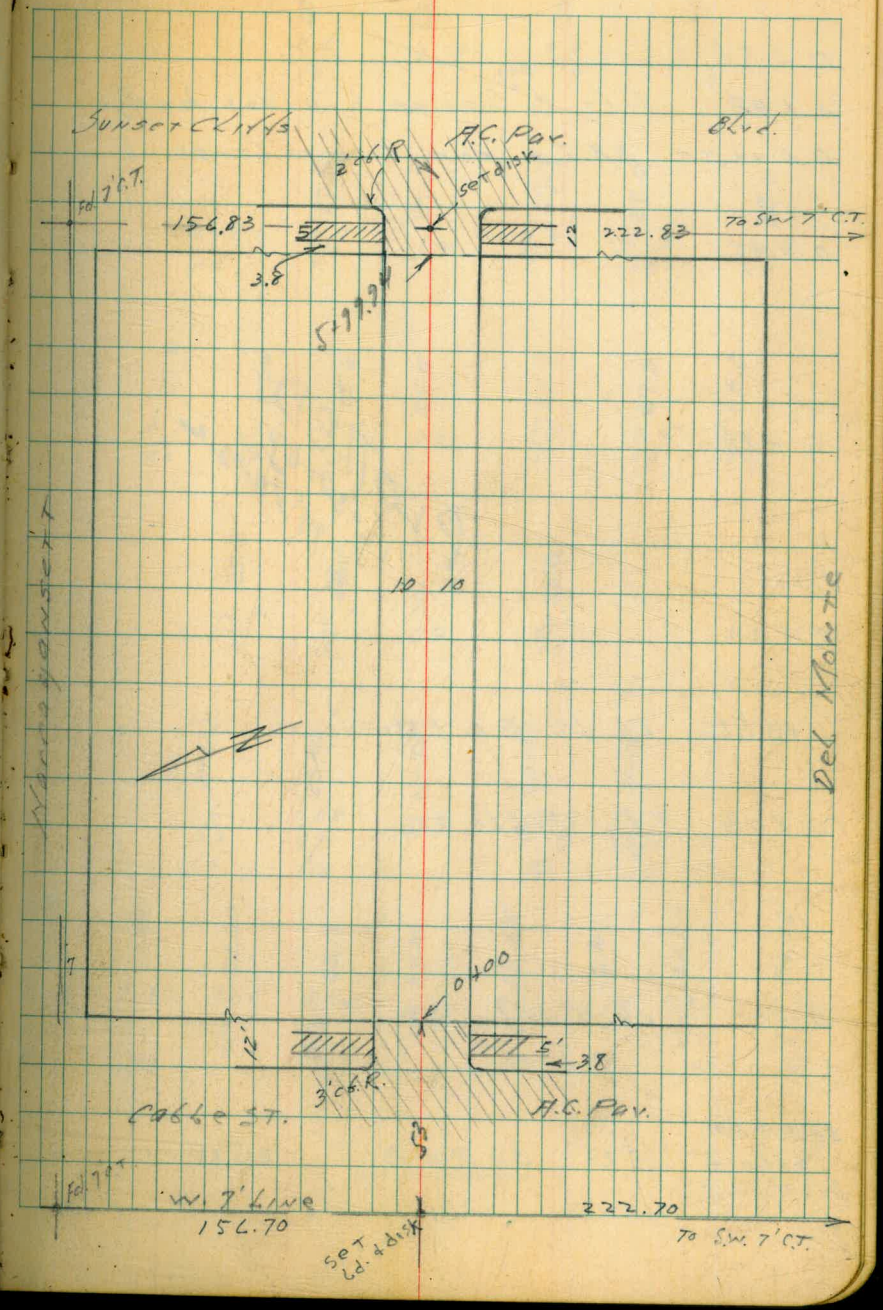
Indexed
c.s.k.

37

Rear alley 20' wide
Blk 50 Ocean Beach

Moore
Bell
Green
Roberts
9-12-47.

W.O. 25001



Blk 50 O.B.

Lt = North ℄ Rt

Station	Notes	Cross-section (elevation, rod reading / offset)
0+50		28.1 (2.6 / 10); ℄ 28.2 (2.5); 28.4 (2.3 / 10); 28.4 (2.3 / 25)
0+48	8' Lt to Beg. Sedge Cypress hedge	
0+44.5	8.8 Lt end Picket fence	
0+35		27.8 (2.9 / 10); 27.8 (2.9 / 4); 27.5 (3.2); 27.7 (3.0 / 6); 28.4 (2.3 / 10); 28.4 (2.3 / 15)
0+15		27.0 (3.7 / 10); 27.0 (3.7 / 7); 25.6 (5.1 / 4); 25.4 (5.3); 25.7 (5.0 / 5); 27.3 (3.4 / 10); 28.3 (2.4 / 15)
0+02		25.8 (4.9 / 10); 24.0 (6.7 / 6); 24.0 (6.7); 25.0 (5.7 / 10)
0+01.5	8.6 Lt. Beg. picket fence	
0+00	E.L. Cable St.	24.07 (6.65 / 9.7 cb); 23.83 (6.89 / 9.7 Pav.); 23.55 (7.17); 23.86 (6.86 / 10.15 Pav); 24.16 (6.56 / 10.15 cb)
0-12	E cb. Cable St.	23.54 (7.18 / 50 cb); 22.91 (7.81 / 50 gr); 23.68 (7.04 / 13 cb); 23.12 (7.60 / 13 Pav.); 23.14 (7.58); 23.25 (7.47 / 13 Pav); 23.87 (6.85 / 13 cb); 23.37 (7.35 / 50 gr); 24.02 (6.70 / 50 cb)
S.E. B.P. B.M. Cable & Del Monte	5.61 30.72 ✓ 25.11	30.72

PLOTTED
12-30-47
J. McFarlane

1 + 80	10.7 Rt end wire fence
+68	8 Rt end Lantana hedge
1 + 61	11 Lt Beg. Bd. fence
1 + 51.5	℄ do. gar. dirt floor 22' wide
1 + 50	8' Rt Beg. N. edge Lantana hedge
1 + 32	℄ Sin. gar. dirt floor 12 wide
1 + 00.0	10.7 Rt. Beg. wire fence E. edge 3 car gar. Con. floor
0 + 86.24	
0 + 72.5	W. edge 3 car gar. Con. floor
0 + 87	9.1 Rt P.P. P.A. 4880
0 + 67	℄ Sin gar. dirt floor
0 + 62	8' Lt. End S. edge Cypress hedge
T.P. Nail on P.P.	3.88 33.08 ✓ 1.52 29.20 30.72

Lt ℄ Rt

28.2 / 4.9 / 11 — dirt gar.
28.2 / 4.9 / 10
28.7 / 4.4
29.1 / 4.0 / 10
28.1 / 5.0 / 11 — dirt gar.
28.1 / 5.0 / 10
28.7 / 4.4
29.0 / 4.1 / 10
28.34 / 4.74 / 15.7 Con. Fl.
28.8 / 4.3 / 10
28.6 / 4.5
28.9 / 4.3 / 10
28.37 / 4.71 / 15.8 Con. Floor
28.6 / 4.5 / 10
28.4 / 4.7
28.5 / 4.6 / 10
28.5 / 4.6 / 20
28.4 / 4.7 / 13.5
33.08

2 + 42 Sin. gar. Cor. FL.

2 + 41.5 10.7 Lt Sw Cor shed

2 + 36 Sin. gar. dist FL.

2 + 26.5 Sin gar Cor FL. 11.8 Rt.
" " dist " 15.9 Lt

2 + 20 11' Lt end Bd. fence

T.P. NAIL 3.37 33.55 2.90 30.18
P.P. 2+01

2 + 01 8.6 Rt P.P. J.P.A.Y & C. HI 2915 H

2 + 00 10.3 Rt " end fence

1 + 85 ℄ Sin. gar. on Rt Cor. FL.

33.08

Lt ℄ Rt

30.17
3.38
11

28.5
5.1
1.9
dist

28.6
5.0
15.9
dist

29.69
3.86
11.8
Cor

28.8
4.8
10

28.6
5.0

29.6
4.0
10

33.55

28.5
4.6

29.3
3.8
10

29.28
3.80
14.6
Cor.

Fence
11.3

28.5
4.6
10

33.08

3+24	9.9 Rt Beg. Bd fence
3+15.5	10.5 Rt NE Cor Bd Dwelling
3+00	9.8 Lt SE Cor shed + Beg Bd fence
2+91	10.9 Rt NW Cor Bd. Dwelling
2+87	9.7 Lt. SW Cor shed 9.7 Lt end Bd Fence
2+74	8.3 Rt P.P. PK # 454 & 8' Rt end Bd fence
2+69	10.2 Lt SE Cor Shed + Beg. Bd. fence
2+61	E 4' Conc. Step Thru. gate
2+51.5	8.4 Rt. Beg Bd Fence
2+50	10.1 Lt SW Cor. Shed 10.4 Lt SE Cor. Shed

33.55

Lt & Rt

Bd Fence
9.7

29.4 / 4.2 / 9.7

29.4 / 4.2

29.6 / 4.0 / 9.9

29.3 / 4.3 / 9.8

29.02 / 4.53 / 19H. Rim

29.5 / 4.1 / 10

29.3 / 4.3 / 10

29.0 / 4.6

29.4 / 4.2 / 10

29.43 / 4.12 / 5.8

29.43 / 4.12 / 8.3

29.0 / 4.6 / 10

28.8 / 4.8

29.6 / 4.0 / 10

33.55

3+91 ℄ Sin. gar. Con. & prox. ± Floor

3+83 Sin. gar. dirt FL.

3+80 9.5 Lt end Bd Fence

+75

+74 8.8 Rt P.P. P.A. 4840

3+66 15 Rt Sin gar Con floor

T.P. 4.51 35.11' 2.95 30.60

+60 14.9 end Bd fence

+53 9.8 Rt ⊿ in fence

3+50

3+30.5 ℄ 6' Con walk

3355

℄ Rt

30.33
4.7 8
18.2
gar.

30.10
5.01
17.4
apron
8 wide

30.0
5.1
11.3

29.7
5.4
9.6

29.7
5.4

30.1
5.0
10

30.09
5.02
15

35.11

Fence
9.8

29.7
3.9
9.8

29.5
4.1

29.8
3.8
9.7

Fence
9.7

29.77
3.78
10.05

33.55

4+77 8.8 Rt PP # 4820

4+66 Sin gar. Con apron 8.3 wide

+50 9.9 Lt Beg Bd Fence

+49 15.8 Rt end Con Blk Wall

4+35 E Con walk on Rt

4+25 8.9 Lt end Bd Fence

+33.5 15.8 Rt Beg Con. Blk. Wall

4+23 E do. gar. 18 wide Floor Level

4+12 12 Rt end Earth Fence

4+05 9.2 Lt Beg Bd Fence

4+00

+97.5 11.4 Rt Beg Earth Fence

3+93 Sin. gar dirt FL.

35.11

Lt E Rt

31.0 / 4.1 / 10

31.0 / 4.1

31.84 / 3.7 / 12.9 Apron

31.9 / 10.7

32.14 / 12.97 / 15.8 gar

30.8 / 4.3 / 10

30.7 / 4.4

31.1 / 4.0 / 10

31.45 / 3.66 / 15.8 3' wide Con walk

31.58 / 4.53 / 15.9

30.5 / 4.6 / 10

30.0 / 5.1

30.31 / 4.8 / 10

30.31 / 4.8 / 11.5

35.11

alley Blk 50 O.B.

5+50 end 2.5 Con walk // with alley

+45 7 Rt end Salt hedge.

5+40

5+30

+20 7' Rt Beg. salt Bush hedge

5+06 Sin. gar. dirt floor

5+00.2 Beg. 2.5 Wide Con Walk Parallel with alley

T.P. 5.62 37.50 3.23 31.88

5+00 9.9 Lt end Bd Fence

4+95 Sin. gar. 8 Wide Con apron & FL

35.11

Lt Rt

32.93 4.57 1.2.3 5. edge Walk

33.1 4.4 10

33.0 4.5

32.9 4.6 10

32.89 4.61 1 2 3 5. edge Con walk

32.41 5.09 1 N.3 5. edge Con. walk

32.4 5.1 10

32.5 5.0

32.8 4.7 10

32.3 5.1 1.2.9

32.15 5.35 1.2.3 5. edge Walk

37.50

31.7 3.4 9.9 Fence

31.7 3.4

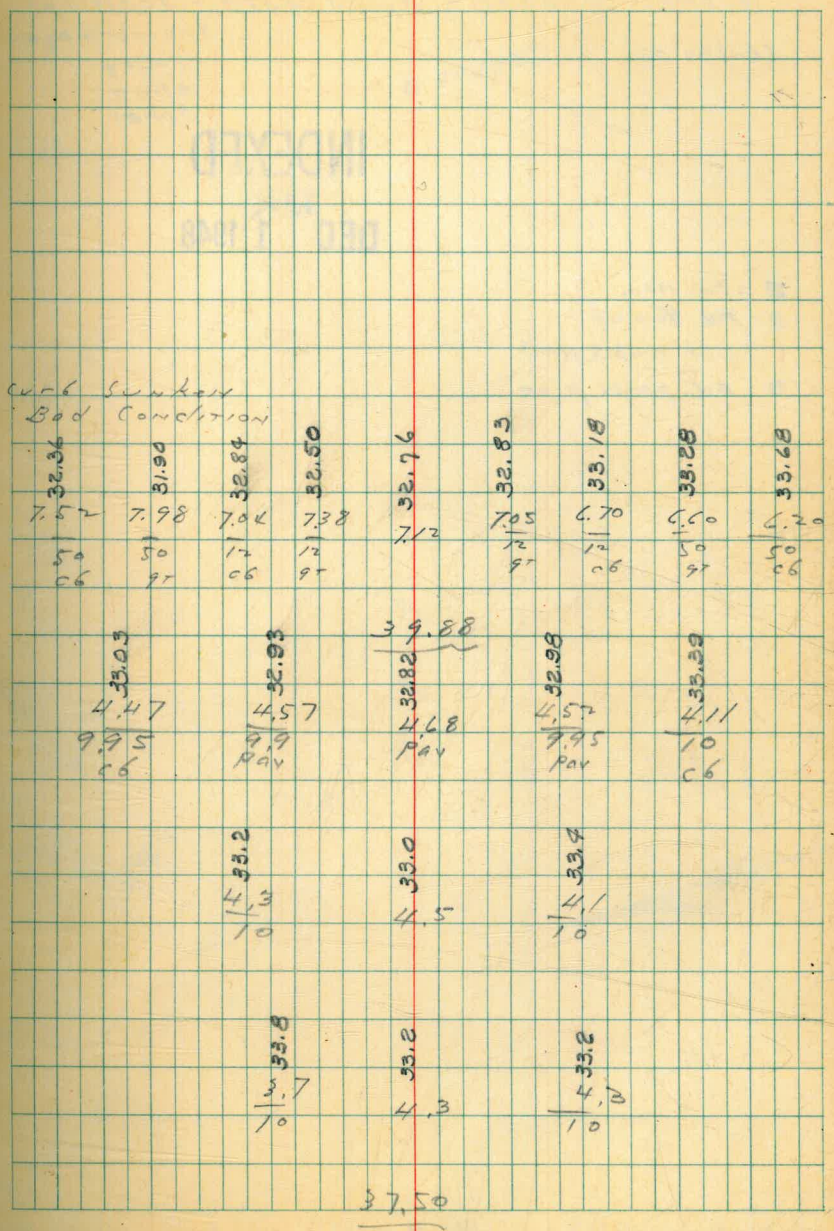
31.9 3.2 10

32.09 3.07 13 apron

32.31 2.80 16.2 Con.

35.11

Check to SEBP Del Monte & Sunset Cliffs Blvd.	2.87	37.01	37.05	
C+11.94 W. of Blvd.				
T.P.	7.05	39.88	4.67	32.83
5+99.94 W/L Sunset Cliffs Blvd.				
5+95				
5+70				
	37.50			



Sewer Prelim

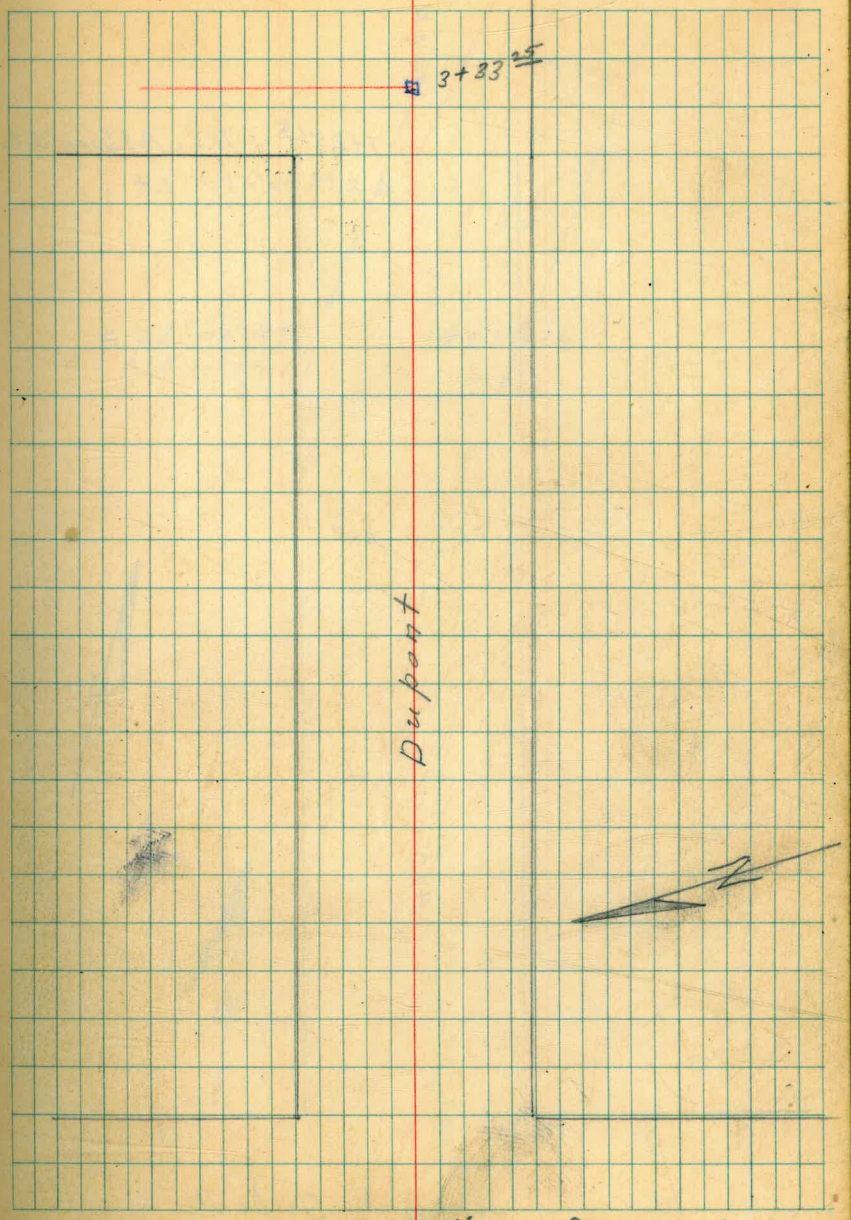
Albion - Dupont - Silvergate - Jennings

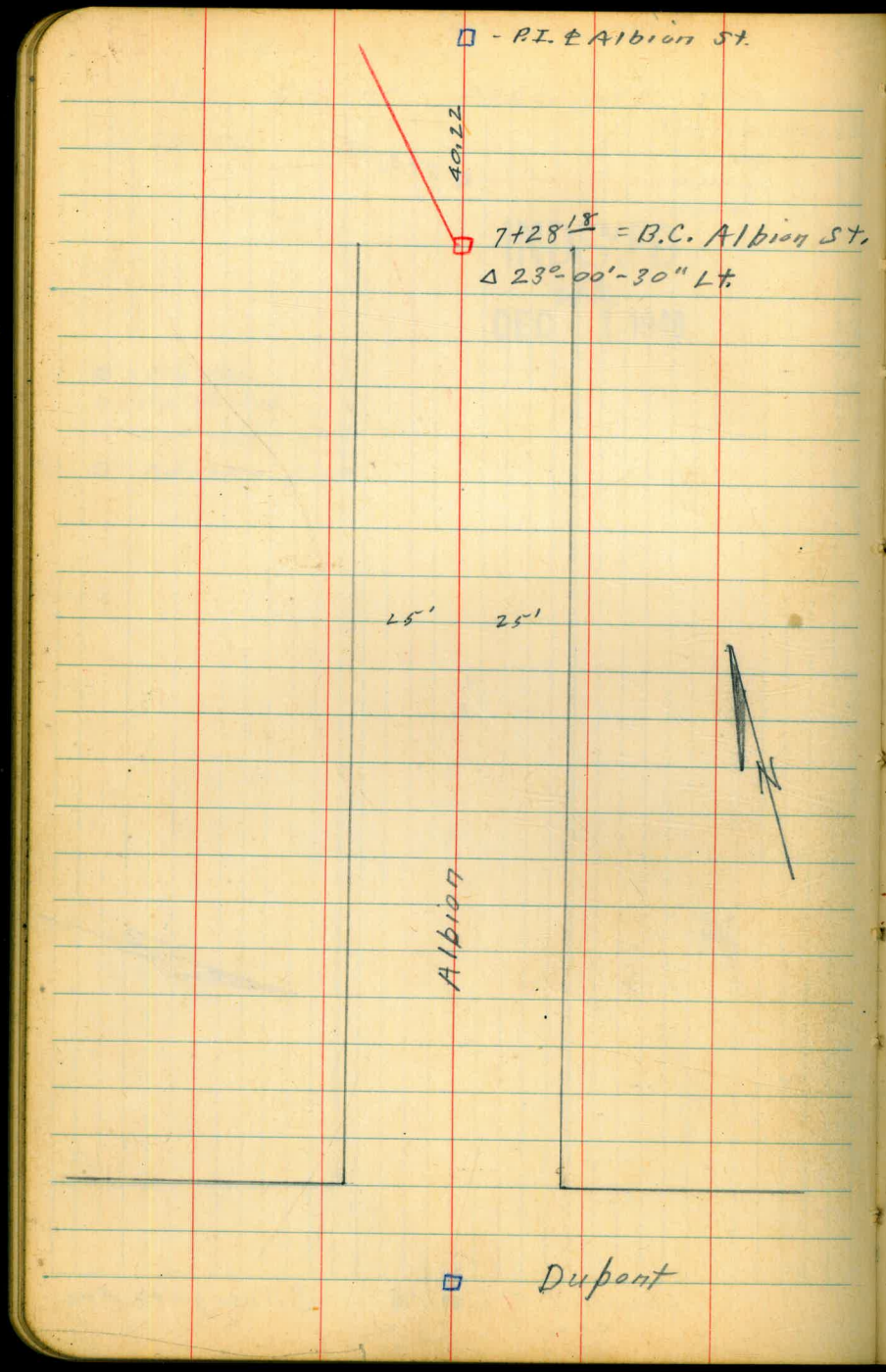
11-26-48

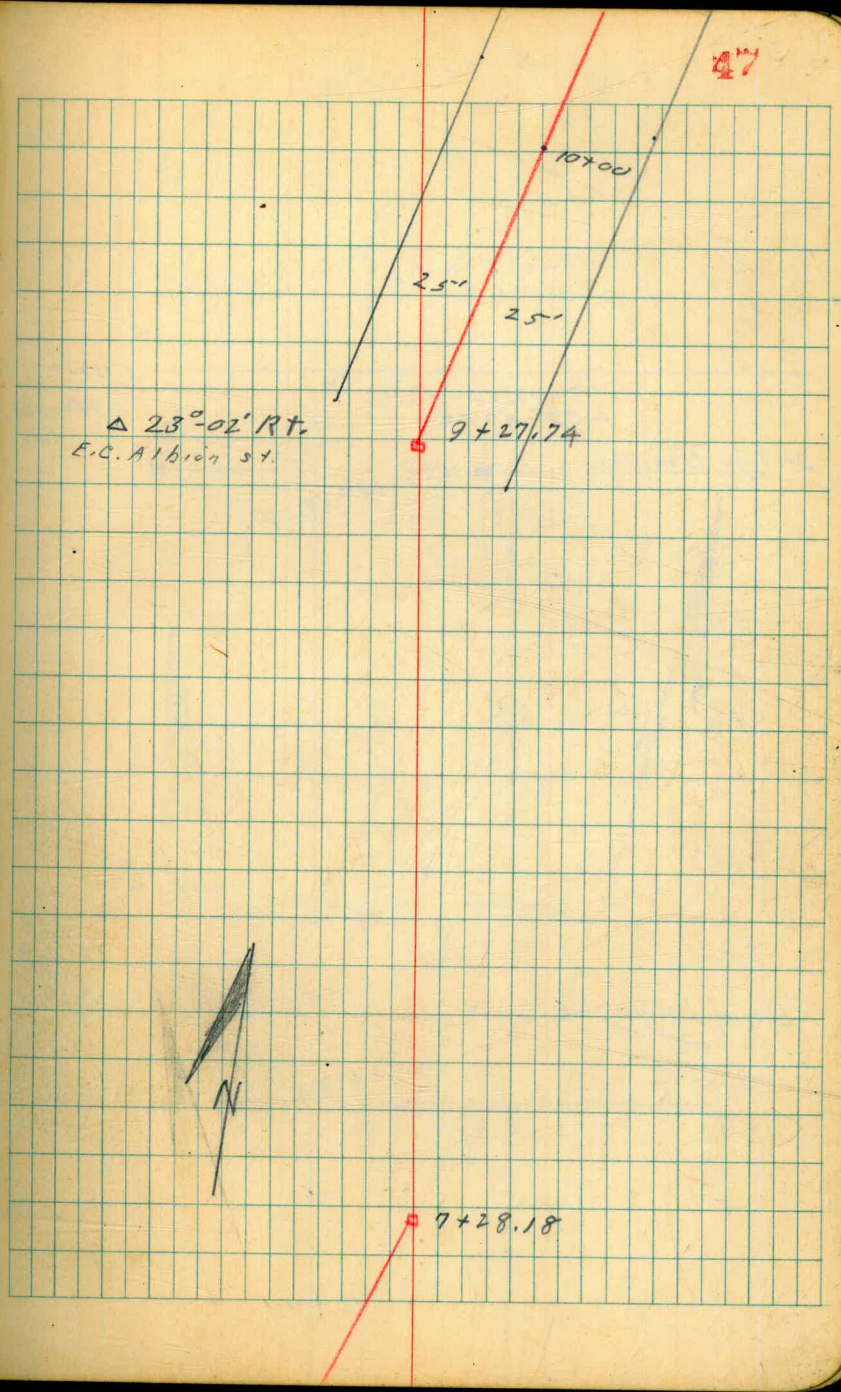
Sommermeyer
McCoy
Allen
Jones

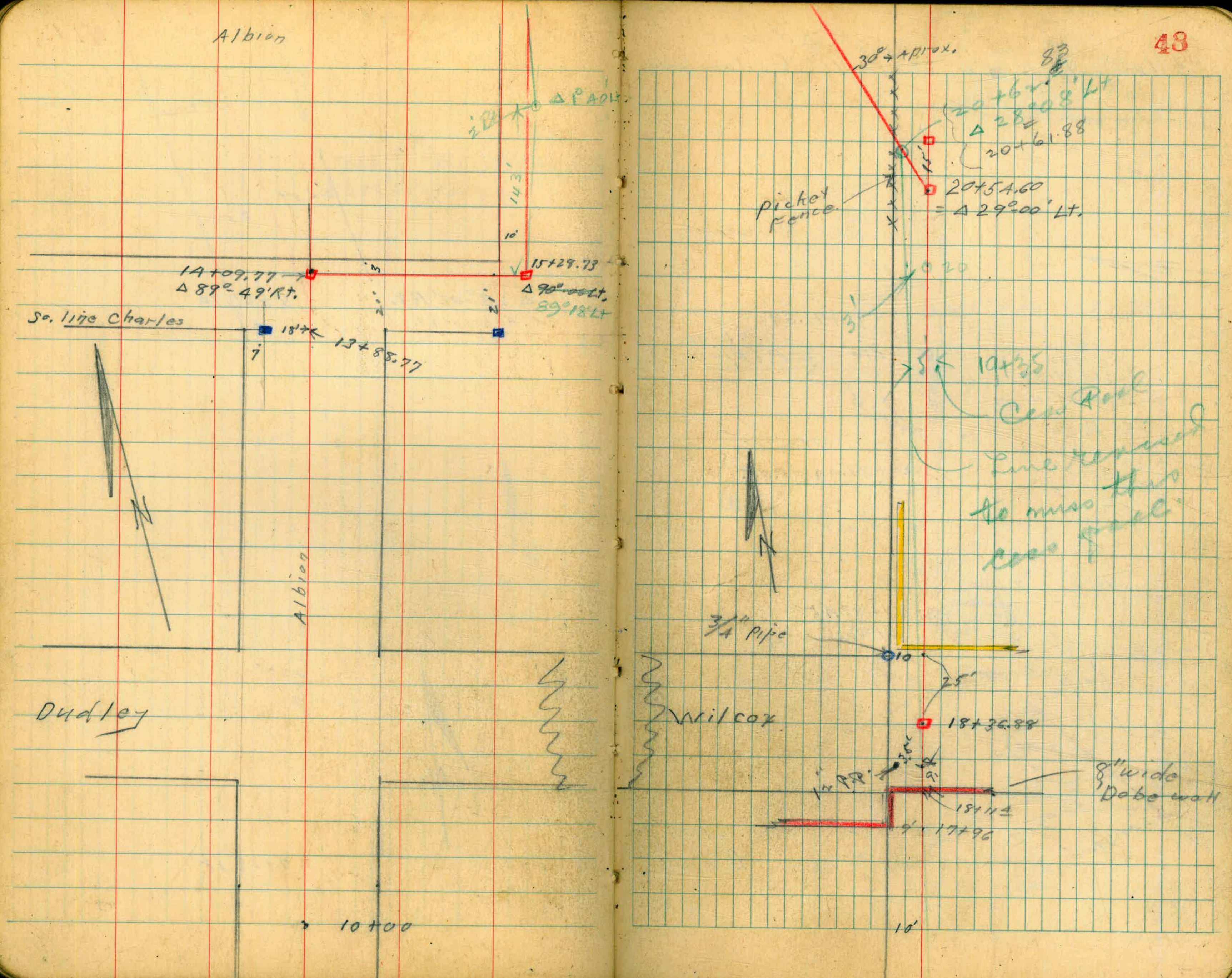
INDEXED
WK
DEC 1 1948

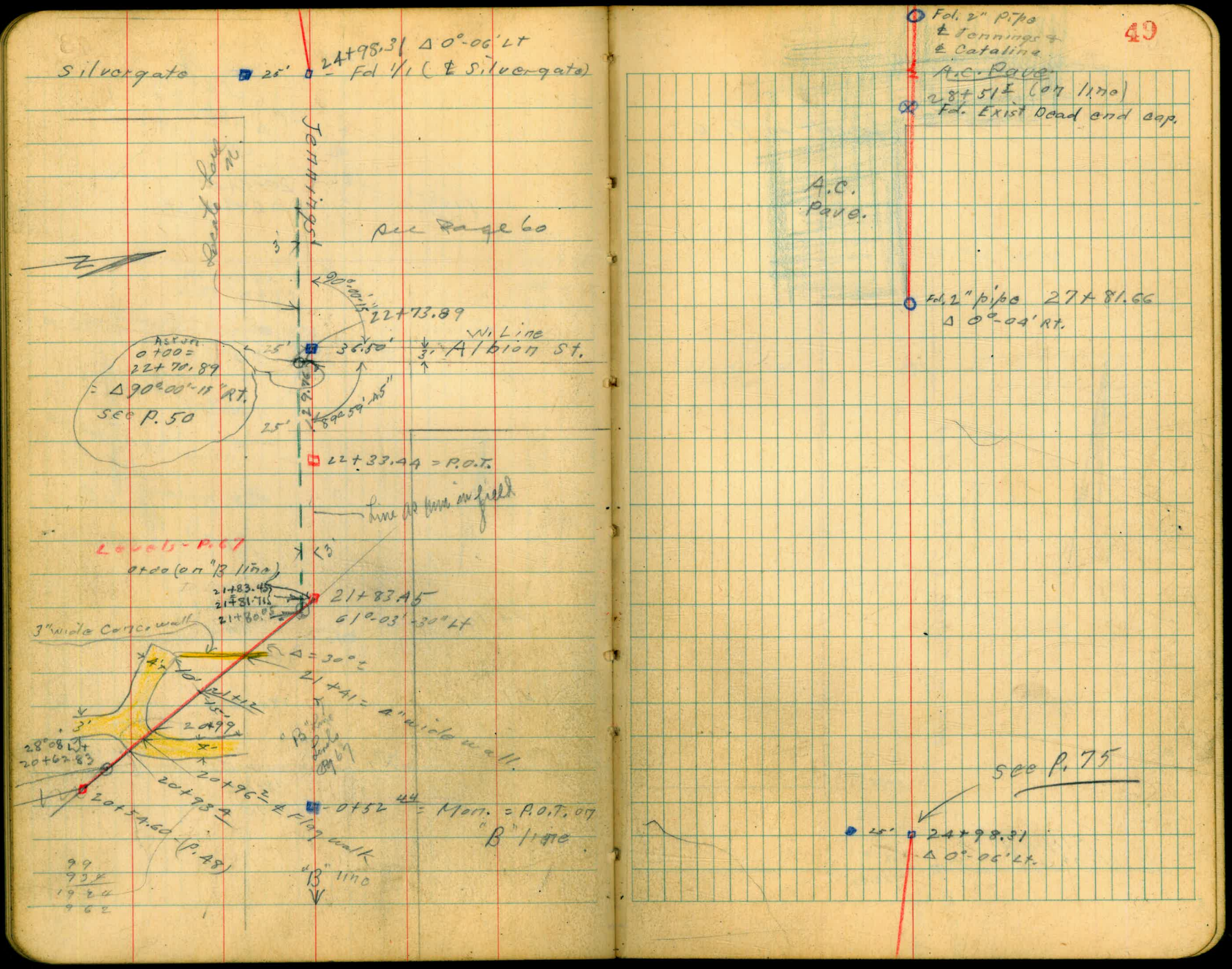
■ = Fd. Mon.
□ = Fd. ¾" Hub
□ = Set Hub + Nail
○ = Fd. prop. pipe




P.I. & Albion St.
40.22
7+28.18 = B.C. Albion St.
Δ 23°-00'-30" Lt.
25'
25'
N
Albion
Dupont


10+00
25'
25'
Δ 23°-02' Rt.
E.C. Albion St.
9+27.74
N
7+28.18

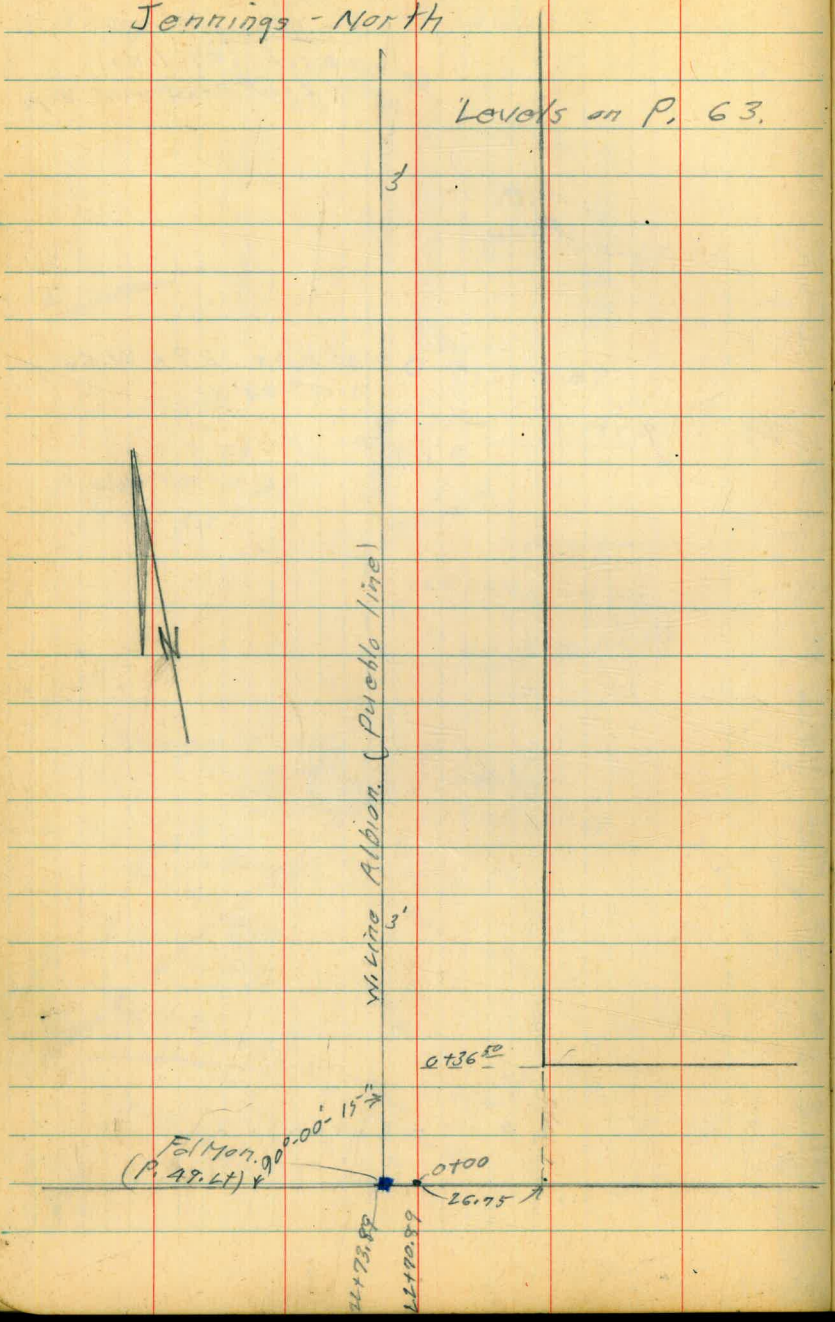

Albion
143'
14+09.77
Δ 89°-49' Rt.
15+29.73
89°18' Lt
So. line Charles
18'
13+88.77
Albion
Dudley
10+00
30° approx.
20+61.88
20+54.60
= Δ 29°-00' Lt.
Picket Fence
19+35
3/4" Pipe
25'
Wilcox
18+36.88
8" wide Dobe wall
18+11.4
17+96

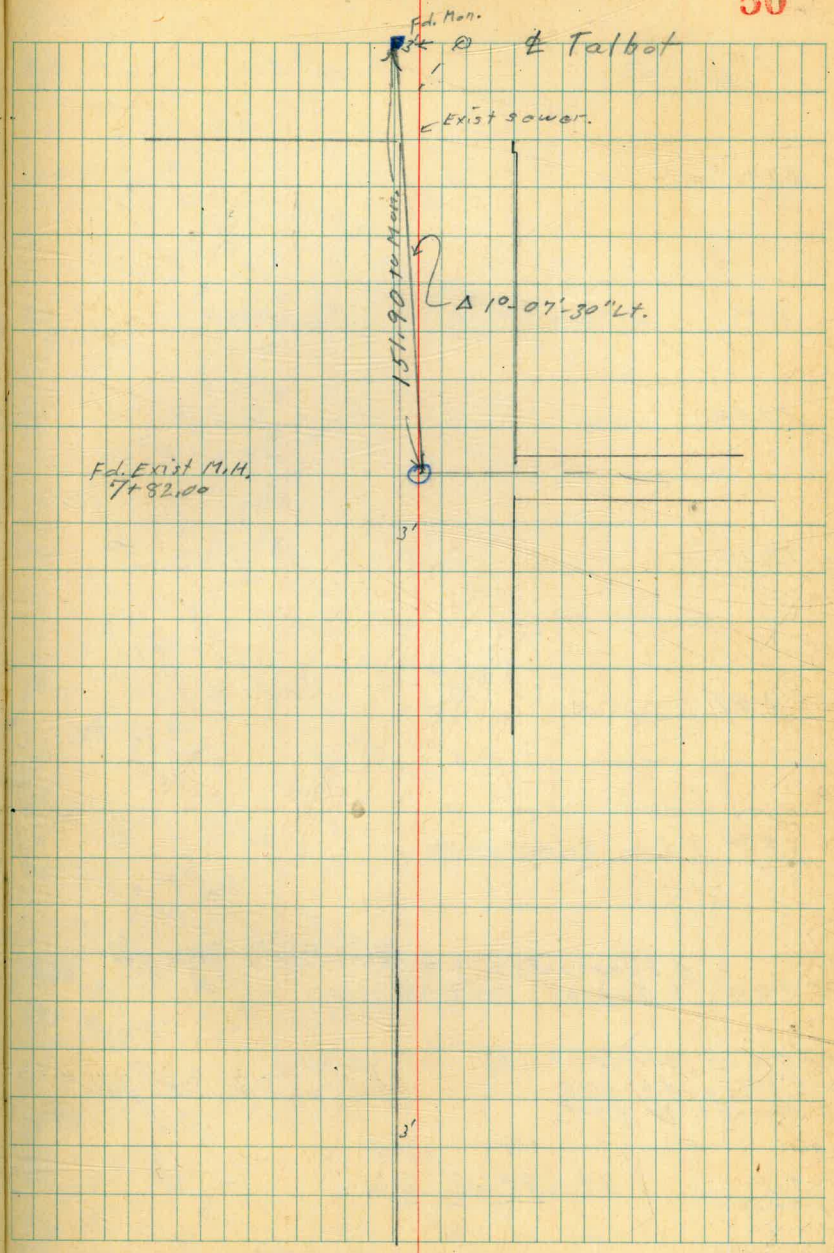

Silvergate
25'
24+98.31 Δ 0°-06' Lt
Fd 1/1 (& Silvergate)
Jennings St
Per Page 60
90°-00'-15"
22+73.89
W. Line
36.50'
1/3
Albion St.
Asphalt
0+00 =
22+70.89
= Δ 90°-00'-15" Rt.
See P. 50
89°59'45"
22+33.44 = P.O.T.
Line as found on field
Levels - P. 67
0+00 (on "B" line)
21+83.45
21+81.76
21+80.83
21+83.45
61°-03'-30" Lt
3" wide Conc. wall
Δ = 30°
21+41 = 4" wide wall.
"B" line
20+99
28°-08' Lt
20+62.83
20+96.2 ± Flag walk
20+93.4
20+52.60 (P. 48)
0+52.44 = Mon. = P.O.T. on "B" line
99
93 E
19 24
9 62

49
Fol. 2" Pipe
& Jennings &
& Catalina
A.C. Pave.
28+51 ± (on line)
Fd. Exist Dead end cap.
A.C.
Pave.
Fol. 2" pipe 27+81.66
Δ 0°-04' Rt.
See P. 75
25'
24+98.31
Δ 0°-06' Lt.

Albion St.
Jennings - North

Levels on P. 63.





Dupont – Albion
Sketch Page 46

6.77

2+00					
T.P.	0.72	〈284.29〉	12.98	〈283.57〉	
1+50					
1+00					
+60					
+30 = E.L. Silvergate					
0+00 ℄ Silvergate + ℄ Dupont to East (on oil Pave) = 15+45.2 ℄ DuPont to H – 11.77' Tie Point #849 = ℄ 15+33.4					F.B. 1751/34
Set B.M. on Mon (on tack) ℄ Silvergate and ℄ Dupont to East.			6.56	〈289.99〉	B.M. #1
T.P.	1.87	〈296.55〉	12.38	〈294.68〉	
Spike in N.W.P.P. Silvergate + Pio Pico	1.52	〈307.06〉	–	305.54	FB 1751/34

12/1/48
Reedie & ch
Spear

281.5
2.8

〈284.29〉

283.7
12.8

286.0
10.6

287.8
8.7

289.1
7.4

290.4
6.1

〈296.55〉

Albion

5+00

4+50

4+00

3+60 End oil pave.

3+45

3+23.25 △ Hub 2/2. 7.55 276.74 B.M.#2

3+23.25 on. oil pave.

3+00

2+50

284.29

276.4 ✓ 7.9 — 241.6 ✓ 12.7 / 100

276.8 ✓ 7.5

277.0 ✓ 7.3 — 279.3 ✓ 12.0 / 100

276.6 ✓ 7.7

277.1 ✓ 7.2

276.9 ✓ 7.4

278.2 ✓ 6.1

279.9 ✓ 4.4

284.29 ✓

Albion St.

8+50

8+00

7+50

T.P.2 6.85 ⟨282.13⟩ 9.01 ⟨275.28⟩ → B.M#2

7+28.18 Δ 23° 00'-30" Lt.

7+00

6+50

6+00

5+50

⟨284.29⟩

℄

53

275.7
6.4

275.6
6.5

271.7
10.9
100

275.3
6.8
⟨282.13⟩

275.28
9.01
Hub

275.1
8.6

271.1
13.2
100

275.9
8.4

276.1
8.2

270.9
13.4
100

276.0
8.3

⟨284.29⟩

Albion

11+30

L+T. West End S.W. of Rd. Dudley + Albion — 2.27 ⟨280.25⟩ B.M. #4

T.P. — 5.02 ⟨282.52⟩ — A.63 ⟨277.50⟩

11+00

10+50

10+00

9+50

℄ ½ Δ: BM, (9+27.24) — 5.48 ⟨276.65⟩ B.M. #3

9+27.24 Δ 23°-02' Rt.

9+00

⟨282.13⟩

℄

277.9 A.6 — 271.5 / 11.0 / 100

282.52

277.5 A.6

277.0 5.1

276.8 5.3 — 271.7 / 10.4 / 100

276.6 5.5

276.65 / 5.48 / Hub. — 277.0 / 10.1 / 100 / 90° to Fwd. Tang

276.1 6.0

⟨282.13⟩

Albion

S.W. 7' Mon. Albion + Charles	5.77	276.75	B.M. #5

14+09 77 = Δ 89°-49' Rt. (on Hub)

13+88.77 So. Line Charles

+50

13+00

+50

12+00

11+58.6 ± Apiox. ℄ Dudley

⟨2-82.5⟩

℄

275.16 ✓
7.36

275.9 ✓
6.6

276.9 ✓
5.6

277.6 ✓ 277.7 ✓
4.9 10.3
100

278.1 ✓
4.4

278.3 ✓ 279.7 ✓
4.2 11.3
100

278.1 ✓ 279.0 ✓
4.4 11.5
100

⟨282.52⟩

Charles St. +

16+00

15+93 $11\frac{2}{}$ Lt. = 30" diam Cypress

15+53 $11\frac{8}{}$ Lt. = 24" diam Cypress

15+50

15+38 10' Rt. = start row of Eucalyptus
Trees Average 14" diam. and 10' apart.

T.P. 1.51 ⟨271.45⟩ 12.58 ⟨269.94⟩

Mon 21' Rt of $15+18\frac{73}{}$ 11.75 ⟨270.77⟩ BM # 6

$15+28\frac{73}{}$ = Δ 90° 06' Lt. (on hub)

15+00

14+50

14+30 22' Lt. = S.W. Cor. House

⟨282.52⟩

267.5 258.4
3.9 $\frac{13.0}{100}$

269.0 267.8 263.2 259.0
2.4 $\frac{3.6}{50}$ $\frac{8.2}{80}$ $\frac{12.4}{100}$

⟨271.45⟩

269.94
12.58

271.3
11.2

273.1
9.4

272.9 272.8 274.0
9.6 9.7 8.5
22 22
floor and
level

⟨282.52⟩

T.P. 18+36 88 ℄ Wilcox 1.08 (265.03) 7.50 (263.95) B.M.# 7

18+11 4 Cross 8" wide 4½ high E. & W. Adobe wall

18+00 72' Rt. = Rim of canyon

17+96 9' Lt. = start 5' High N. & S. Adobe wall, Conc. Footing

17+78 9½ Lt. = 30" Cypress

17+50 61' Rt. = Rim of canyon

17+17 11½ Lt. = 30" Diam Cypress

17+14 15' Lt. = S.E. Cor. house

17+00

16+86 10' Lt. = 30' Cypress

16+50

+40 10' Lt. = 24" stump 12' High

(271.45)

℄

~~1.08 264.03~~

~~7.7 8 @ 19 Rim of Canyon~~

263.7 ✓ 7.7 Grd.

263.7 ✓ 8.2 # Base Conc. Footing

263.7 ✓ 7.7

259.7 ✓ 12.2 72

265.5 ✓ 5.9

261.7 ✓ 10.2 61

247.6 ✓ 23.8 100

267.0 ✓ 4.4 15 Floor

267.0 ✓ 4.5 15 Grd

265.8 ✓ 5.6

266.0 ✓ 5.5

266.5 ✓ 4.9

260.0 ✓ 11.4 50

250.0 ✓ 21.5 100

(271.45) ✓

℄ Revised line

19+80 44' Lt. = 24" diam. Cypress ℄

19+50 16' Rt. = Rim of canyon.

5' Rt of Revised line

19+35 ~~2½' Rt~~ = ℄ 3' Diam Vertical Cass Rock.
~~Concrete top~~ + ~~Pipe~~ connection from house.

19+20 7° Lt. = End Rock wall

19+00

18+63

18+62½ 7' Lt. = Start N.+S. Rock wall
2m ℄ = Cross Rock wall (1' wide

18+61

18+36.88 ℄ Wilcox

18+21 3' Lt. = Pole # 3535

18+10 10' Rt. = End row of Eucalyptus

18+36.88 = St
25.08 Ft N+S
1+32.50 ½ Alley
7.50 ½ Alley
20+07.88 ℄ Alley

265.03

℄

260.8 ✓ 258.8 ✓
4.2 6.2
16

260.3 ✓ 266.0 ✓ 264.1 ✓
4.7 3.0 3.9
7 7 7
Base top wall Ord

260.7 ✓
4.3

261.6 ✓ 260.8 ✓
3.4 4.2
Ord. ℄ Base of wall

1 263.6 ✓
1.4
top of wall

263.0 ✓
1.8

263.9 ✓ 255.3 ✓
1.1 9.7
8.0
Rim of Canyon

265.03

21+12	15' Rt. = W'ly. edge of East walk } P 49 10' Lt. = E'ly. edge west walk
$20+96^{c}$	₵ Flagstone + Conc. walk
T.P.	8.03 ⟨266.09⟩✓ 6.97 ⟨258.06⟩✓
20+96	6' Lt. = ₵ 18" Cypress
2+85	14' Rt. = ₵ clump of palms. 8' Diam.
20+74	Also = rim of canyon = Cross picket fence
20+61.88	= 20+62.83
$20+54^{60}$ (8.43)	Δ 29°-00' Lt. 11.00 254.03 B.M. #8
20+45	₵. Cross rim of Canyon.
20+35	10^{3} Lt. = 30" diam. Cypress
20+31.88 Δ new align.	
$20+26^{2}$	9^{4} {also = start picket fence. Lt. = N.E. Cor. house
$20+11^{3}$	9^{4} Lt. = S.E. Cor. frame house
20+01.88 Δ ₵	Alley to W. (Cal.) [illegible] hub on corrected line 3' W.
20+00	10' Rt. = Rim of canyon

⟨265.03⟩✓

₵

257.2✓
8.9
⟨266.09⟩✓

257.3✓
7.7

255.1

254.0✓ 11.00 Hub.	250.4✓ 14.6 10 90° to back tang

255.5✓
9.5

261.3✓ 3.7 9.4 Floor level	260.3✓ 4.7 9.4 Grd	257.8✓ 7.2

258.2✓ 6.8	255.0✓ 10.0 10

⟨265.03⟩

21+83 15 o.n. Hub 6.57 259.52 B.M.#9

21+83 15 = Δ 61°03'-30" Lt. = Pueb. line

conc. wall (runs to west)

2+58 E 5 Lt. = East end of east + west

2+56 6 E Lt. = 24" cypress

(runs to east) conc. wall

2+53 E A 3 Rt. (at 90°) = west end / east + west

21+52 5' Rt. = 20" diam. Cypress

21+42 Ord.

21+41 Top of 3" wide conc. wall

21+40 8 Base of wall

21+40.

21+13

266.09

2.62.4 / 3.7 / 5½ / top wall

259.3 / 6.8 / 5½ / Base wall

259.9 / 6.2 / 5 / Ord

259.4 / 6.7

258.6 / 7.5 / 12 / Rim of Canyon

259.3 / 6.8 / A 3 / End

258.3 / 7.8 / A 3 / Base wall

261.8 / 4.3 / A 3 / Top of wall

259.6 / 6.5

259.2 / 6.9

259.4 / 6.7

258.5 / 7.6

258.8 / 7.3

258.5 / 7.6

266.09

Jennings St.

T.P. 12.50 ⟨278.48⟩ 0.11 ⟨265.98⟩

23+50

23+30

23+00

22+82.7 2' Rt. = Ctr. 2'x2' gas valve chamber

~~T.P.~~ 22+73.89 Conc. Mon. Albion + Jennings 2.12 263.97 B.M. #10

22+70.89 = 0+00 for line on Albion to North. (Sketches - P.A 9750 - Levels page)

22+33.44 = P.O.T. (P. 49)

22+00

⟨266.09⟩

266.1 ✓ 266.1 ✓ 266.69 ✓

0.0 / 10 = 0.0 | 0.0 | +0.6 / 10

264.9 ✓
1.2

264.7 ✓
1.4

264.7 ✓ 264.7 ✓
1.4 | 1.4 / 2

264. ✓
1.9

261.84 ✓
4.25
Hub + Rail

260.2 ✓
5.9

⟨266.09⟩

Jennings

T.P. Pole # P3625 — 0.42 (266.9) — 11.99 (266.49)

+50

26+00

See P75

25+50

3 Nails in Pole # 3601 — 20' Lt. 25+43 — 4.27 (274.21) BM # 11

24+98.31 ℄ Silvergate Δ 0°-06' Lt.

24+80

24+50

24+25 — 61' Rt. = S.E. Cor. house — 14/4/48

24+00

(278.48)

265.9 ✓ 12.6 / 10	266.3 ✓ 12.2	265.0 ✓ 13.5 / 10
268.1 ✓ 10.4 / 10	268.4 ✓ 10.3	267.0 ✓ 11.5 / 10
270.9 ✓ 7.6 / 10	270.5 ✓ 8.0	269.8 ✓ 8.7 / 10
274.4 ✓ 3.6 / 10	275.8 ✓ 2.7	275.1 ✓ 3.4 / 10
275.0 ✓ 3.5 / 10	276.6 ✓ 1.9	276.3 ✓ 2.2 / 10
273.7 ✓ 4.8 / 10	274.5 ✓ 4.0	275.3 ✓ 3.2 / 10
269.6 ✓ 8.9 / 10	270.4 ✓ 8.1	271.1 ✓ 7.4 / 10

(278.48) ✓

Jennings Del 16.99/16. Rerun 7'N of &

2" pipe ℄ catalina ℄ Jennings 9.99 (249.4) ✓ B.M. #12

29+67 = Exist M.H. (About 20' deep (see - field check of sewer)

T.P. 3.71 (259.40) ✓ 11.22 (255.69) ✓

28+51 ℄ Top of cap at dead end

28+50 ℄ = start pull width pave. (Rods on Pave)

28+10

27+81 ℄ = Δ 02°04' Rt.
= N.E. cor pave.

27+77 7 ℄ Lt. = 36" Cypress

27+50

27+39 1 ℄ Lt. = 36" Cypress

27+00

26+99 2' Lt. = @ Lt. 36" Cypress

(266.91) ✓

257.11 ✓
9.80

257.09 ✓ | 257.06 ✓ | 256.81 ✓
9.82 | 9.85 | 10.10
10 | 10 |

257.56 ✓ | 257.61 ✓ | 257.5 ✓
9.35 | 9.30 | 9.4
10 | 10 | 10
pave | pav. | dirt

258.11 ✓ | 258.16 ✓ | 257.9 ✓
8.80 | 8.75 | 9.0
10 | 10 | 10
Pave | pave | Dirt

260.3 ✓ | 259.9 ✓ | 259.1 ✓
6.6 | 7.0 | 7.8
10 | 10 |

263.4 ✓ | 263.1 ✓ | 261.7 ✓
3.5 | 3.8 | 5.2
10 | 10 |

(266.91) ✓

Albion St. North of Jennings

2+00

1+50

1+ 41' Rt. = N.W. Cor. House

1+00

0+91 44' Rt. = N.W. Cor. House

0+60

0+36.5

0+00 = Sta. 22+70.89 - Page 49

BM. #10 12.61 1.60 (265.57) (263.97)

256.8 ✓
8.8

258.7 ✓
6.9

258.3 ✓ 258.9 ✓
7.3 6.7
41 41
Ord Floor level

260.3 ✓
5.3

260.1 ✓ 260.5 ✓
5.5 5.1
44 44
Ord Floor level

241.6 ✓
4.0

262.8 ✓
2.8

264.3 ✓
1.3

(265.57)

Albion St

T.P.	0.21	⟨240.98⟩	12.81	⟨240.77⟩
5+50				
5+00				
4+50				
4+00				
3+50				
T.P.	0.95	⟨253.58⟩	12.94	⟨252.63⟩
3+00				
2+50				
2+20	51' Rt. = N.W. Cor. House			
		⟨265.57⟩		

240.4
13.2

242.6 / 11.0 / 100
246.8 / 6.8 / 32
244.3 / 9.3 / 17
244.6 / 9.0
244.2 / 9.4 / 12
248.6 / 5.0 / 18
246.4 / 7.2 / 110
Rim of Canyon

247.3
6.3

249.4
4.2

251.2
2.4

⟨253.58⟩

254.5 / 11.1 / 100.
255.6 / 10.0 / 30
253.1 / 12.5
251.0 / 14.6 / 100

255.1
10.5

256.2 / 9.4 / 51 / Ord.
257.2 / 8.4 / 51 / Floor level

⟨265.57⟩

Albion

℄ Mon. Albion + Talbot. 11.92 217.26 217.35 to 0.09

F.B. 1751-PA

7+82 = ℄ Ctr. exist M.H.

7+80 ± So. side Exist Manhole

7+50

T.P. 1.23 ⟨229.18⟩ 13.03 ⟨227.95⟩

7+00

6+50

6+00

⟨240.98⟩

℄

216.88 ✓ 12.30 Invert

221.18 ✓ 7.90 Rim

217.17 ✓ 12.01 Invert

224.9 ✓ 4.3

⟨229.18⟩ ✓

228.0 ✓ 13.0

231.4 ✓ 9.6

231.8 ✓ 9.2 / 100

236.9 ✓ 4.1 / 30

235.1 ✓ 5.9 / 19

235.7 ✓ 5.3

⟨240.98⟩ ✓

12/3/48 "B" line (See page 49

0+52

0+42

Level to get Corner left here

0+30 65 Lt. = Rim of Canyon.

0+15

0+00 = (Page 49 Δ 61°-03'-30" Lt Sta. 21+83.45 on orig. line)

B.M. #9. 4.16 ⟨263.68⟩ ⟨259.52⟩ Pg 60
Page 60

-445.6 / 18.1 / 65 -443.5 / 20.2 / 30 -441.3 / 19.4

-249.7 / 14.0 / 100 -249.7 / 14.0 / 65 -246.9 / 16.8 / 30 -247.7 / 16.0

-251.0 / 12.7 / 100 -255.6 / 8.1 / 65 -253.0 / 10.7 / 30 -252.9 / 10.8

-255.8 / 7.9 / 100 -257.0 / 6.7 / 65 -259.9 / 5.8 / 30 -254.0 / 4.7

⟨263.68⟩

259.52

4.16

⟨263.68⟩

Catalina Blvd

12-7-48 Sommermeyer McCoy Jones Gregory

+57 Intersect Power Cable FB 1751 11

23+40 Aprox ℄ Charles

+12 19' Lt. = Ctr. 3' Diam pepper tree

+09 13' Lt. = Ctr. 4' Diam. palm.

23+00

22+89 9' Lt. = ℄ 3' wide brick walk

+80 12' Lt = Ctr. 4' Diam palm.

+60 10' L = Ctr. (N) bot.

22+50 13' Lt. = Ctr. 4' Diam palm.

22+19 13' Lt. = Ctr. 4' Diam. palm

21+99 10' Lt. = ℄ 9' wide brick drive.

21+88 12' Lt. = Ctr. 4' diam. palm.

sketch (E.P. = Edge of Pave.)

21+75 22 = (1751 ℄ / 10) = ℄ Alley between Wilcox + Charles

B.M. = 21+75 22 1751 P. 7 6.96 {269.58} — {262.62}

℄ = 20' west of E. line Catalina 63

266.4 / 3.2 / 20 — 266.0 / 3.6 — 265.9 / 3.64 / 10 / E.P.

265.9 / 3.7 / 20 — 265.3 / 4.3 / 10 — 264.7 / 4.9 — 265.44 / 4.36 / 10 / E.P.

265.9 / 3.7 / 20 — 265.6 / 3.96 / 9 — 265.2 / 4.36 / 9

265.5 / 4.1 / 20 — 265.5 / 4.1 / 15 — 264.3 / 5.3 / 9 — 263.9 / 5.7 — 264.25 / 5.33 / 10 / E.P.

264.7 / 4.9 / 20 — 264.5 / 5.1 / 15 — 263.4 / 6.2 / 10

264.1 / 5.15 / 20 — 263.6 / 6.0 / 12 — 262.7 / 6.9 / 9 — 262.64 / 6.96 / 5+4b — 262.66 / 6.92 / 10 / E.P.

{269.58}

Catalina

+50

+46 12[A] Lt. = Crt. (W) box

+29 20' Lt. = ℄ 3[S] wide Hedge.

25+15[B] = ℄ Alley so. of Charles

25+05 21' Lt. = End Facad stone wall

25+00

24+74 19' Lt. = Ctr. 1' Diam. Acacia.

T.P. 7.61 ⟨275.67⟩ 1.52 ⟨268.06⟩

+52 19' Lt. = Ctr. 1' Acacia

24+50

+32 19' Lt. = ctr. 1' Diam Acacia

+11 20' Lt. = 8[Ti] 6" Diam. Acacia.

24+00

+96 15' Lt. = ctr. 18" acacia.

23+87 = 18" C.I. Culvert. 5[A] Headwall. Conc. on Lt. only.

19' Lt. = 8" acacia trac.

+71 10' Lt. = Fire Hydt.

+67 12' Lt. = steel street sign. Conc. base

23+66 21' Lt. = start cut stone. stone wall

⟨269.58⟩

℄

268.9 ✓ 269.3 ✓ 269.4 ✓

6.8 / 20 — 6.4 — 6.25 / 10 E.P.

268.6 ✓ 268.5 ✓ 268.87 ✓

7.1 / 20 — 7.2 — 6.80 / 10 E.P.

268.4 ✓ 268.2 ✓ 268.67 ✓

7.5 / 20 — 7.5 — 7.05 / 10 E.P.

⟨275.67⟩ ✓

267.8 ✓ 266.7 ✓ 267.5 ✓ 267.7 ✓ 267.80 ✓

1.8 / 20 — 2.9 / 14 — 2.1 / 3 — 1.9 — 1.78 / 10 E.P.

267.6 ✓ 267.5 ✓ 265.9 ✓ 267.0 ✓ 267.0 ✓ 266.98 ✓

2.0 / 20 — 2.1 / 17 — 3.7 / 10 — 2.6 / 4 — 2.6 — 2.60 / 10 E.P.

264.23 ✓ 266.14 ✓ 263.26 ✓

5.35 / 42 invert — 3.14 / 49 Top. Hd wall — 6.32 / 99[E] invert - No Head wall.

⟨269.58⟩

Catalina

27+50 Cont

+50

16' Lt. = start faced rock N.+S. wall.

+17 17.5 Lt. = start faced rock N.+S. wall

+15
+14 } 11.5 Lt. = ctr. (VV) box.
+13

27+00

+91 = Approx. ℄ Dudley ± 26' wide oil pave. E.+W.

+68 { 20' Lt. = end. hedge.
12' Lt. = ctr. (AV) box.

+57 4' Lt. = steel street sign. Conc. base.

+53 4.5 Lt. = Ctr. 10" Diam. Eucalyptus

26+50 ~~Lt. = Ctr~~

+45 4.5 Lt. = Ctr. 8" Diam Eucalyptus

+37 4.7 Lt. = Ctr. 9" Diam. Eucalyptus

+23 5.3 Lt. = Ctr. 1' Diam Eucalyptus

+08 11.7 Lt. = Ctr. (VV) box

26+02 4' Lt. = ctr. 18" Diam Eucalyptus.

26+00 5.8 Lt. = Ctr. 16" Eucalyptus

+93 12.7 Lt. = 1" Diam. 4' high pine.

25+88 6' Lt. = ctr. 38" Diam Eucalyptus.

275.67

276.8 ✓ 276.6 ✓ 275.4 ✓ ℄
+1.1 +0.9 0.3
20 16 15.5
top of wall + Gnd. Gnd. at wall

275.3 ✓ 274.4 ✓ 274.1 ✓ 274.0 ✓ 273.95 ✓
0.4 1.3 1.6 1.7 1.72
12 12 6 10
top wall + Gnd. Gnd. at wall E.P.

273.4 ✓ 272.1 ✓ 272.2 ✓ 272.16 ✓
2.3 3.6 3.5 3.21
20 8 10
on oil pave. E.P. on Catalina

273.2 ✓ 272.0 ✓ 272.1 ✓ 272.24 ✓
2.5 3.7 3.6 3.43
20 8 10
E.P.

272.7 ✓ 271.6 ✓ 271.2 ✓ 271.29 ✓
3.0 4.1 4.5 4.38
20 15 10
E.P.

270.5 ✓ 270.5 ✓ 270.3 ✓
5.2 5.2 5.35
20 10
E.P.

275.67 ✓

Catalina

28+65 2' Lt. = 6" Diam Acacia

28+55 Cont

14± Lt. = End loose rock wall.

28+55 12' Lt. = End loose rock wall.

14± Lt. = top of steps

28+25 12' Lt. = ℄ 3' wide rock & conc. steps

14± Lt. = start N.+S. loose rock wall
also = start N.+S. loose rock wall

+05 12' Lt. = End N.+S. Rock & conc. wall

+03 15± Lt. = Ctr. 3' Diam palm.

28+01 12± Lt. = face E.+W. rock & conc. wall
= start N.+S. rock & conc. wall

15± Lt. = End faced rock N.+S. wall

27+90 11± Lt. = End faced rock N.+S. wall

T.P. 10.36 (285.74) 0.29 (275.38)
275.67

280.7 / 5.3 / 20

279.7 / 6.0 / 14± top of wall & Ord

279.4 / 6.5 / 14± Ord

279.4 / 6.5 / 12 top of wall & Ord.

278.1 / 7.6 / 12 Ord.

277.7 / 8.0

277.8 / 7.94 / 10 E.P.

279.1 / 6.6 / 14± top of top step.

277.8 / 7.9 / 12 top of bottom step

278.7 / 7.0 / 14± top wall & Ord.

277.5 / 8.2 / 14± Ord.

277.5 / 8.2 / 12± top wall & Ord.

276.4 / 9.3 / 12 Ord

275.7 / 10.0

275.8 / 9.92 / 10 E.P.

279.0 / 6.7 / 20 Top wall & Ord. so. of wall

277.7 / 8.0 / 20 Ord. north of wall

278.6 / 7.1 / 12± top wall & Ord. so of wall

276.6 / 9.1 / 12 Ord.

275.6 / 10.1

275.67 / 10.07 / 10 E.P.

278.4 / 7.3 / 20

278.0 / 7.7 / 15± top wall & Ord.

276.9 / 8.8 / 12± top wall & Ord.

276.8 / 8.9 / 11± top wall & Ord.

275.8 / 9.9 / 11± Ord.

275.1 / 10.6

275.27 / 10.47 / 10 E.P.

(285.74)

Catalina

29+39 7' Lt. = End Conc. Dr.

29+23 Cont.

10' Lt. = End Conc. wall.
29+23 7⅜ Lt. = Start Conc. Drive

27+11 9⅝ Lt. = Ctr. (W) box.

28+94 11⅝ Lt. = Δ in wall.

28+90 17' Lt. = Start. 8" wide Conc. wall.

28+78 11⅝ Lt. = ctr. 12" Diam. Acacia

T.P. 11.51 ⟨293.71⟩ 3.54 ⟨282.20⟩

28+65⅜ = ℄ Alley F.B. 1751/11

⟨285.74⟩

℄

282.90 / 10.81 / 20 — 281.84 / 11.87 / 7'

282.90 / 10.81 / 20 Crk. + Drive — 281.9 / 11.8 / 11 Crk.

282.7 / 11.5 / 10 Top of wall — 281.8 / 11.9 / 10 Crk. — 281.6 / 12.09 / 7⅜ Drive + Crk. — 280.6 / 13.1 — 280.78 / 12.93 / 10 E.P.

283.0 / 10.7 / 20 — 282.5 / 11.2 / 12⅝ Crk. — 282.06 / 11.65 / 11⅝ Top of wall. — 281.6 / 12.1 / 11⅝ Crk. — 280.1 / 13.6

282.6 / 11.1 / 20 — 282.26 / 11.45 / 17 Top of wall — 282.1 / 11.6 / 17 Crk. — 279.3 / 14.4 — 279.31 / 14.40 / 10 E.P.

⟨293.71⟩

280.6 / 5.1 / 20 — 280 / 5.3 / 15 — 278.4 / 7.5 / 8 — 278.0 / 7.7 — 278.76 / 7.48 / 10 E.P.

⟨285.74⟩

Catalina

(For culvert see 1751/8)

+91 18' Lt. = 1' diam. Eucalyptus

+90 19' Lt. = 1' diam. Eucalyptus.

+89 17' Lt. = 1' Diam. Eucalyptus

30+87 7½ Lt. = steel street sign. Conc. base

Strip of oil & Rock pave. Not much good.

30+42 = Aprox. ℄ Warner = ℄ of 40'.

30+00 12' Lt. = Ctr. 16" Diam. Acacia

29+92 21' Lt. = Ctr. 6"

+74 20' Lt. = Ctr. 8"

+72 18' Lt. = Ctr. 6"

+68 18' Lt. = Ctr. 18"

+65 15' Lt. = Ctr. 6"

+64 18' Lt. = Ctr. 3"

+62 17½ Lt. = Ctr. 6"

+58 21' Lt. = Ctr. 4"

+56 4½ Lt. = Ctr. 14"

+53 18' Lt. = Ctr. 4"

} Eucalyptus

29+50

(293.71) ✓

℄

73

288.7 ✓ 5.0 / 20

288.1 ✓ 5.6 / 10

287.8 ✓ 5.9

288.3 ✓ 5.38 / 10 E.P.

285.7 ✓ 8.0 / 20

286.0 ✓ 7.7

286.16 ✓ 7.55 / 10 E.P. on Catalina

283.7 ✓ 10.0 / 20

283.4 ✓ 10.3 / 11

282.7 ✓ 11.0 / 9

283.6 ✓ 10.1

284.25 ✓ 9.46 / 10 E.P.

282.9 ✓ 10.8 / 20

282.5 ✓ 11.2 / 12

281.6 ✓ 12.1 / 10

281.3 ✓ 12.4 / 4

281.7 ✓ 12.0

282.0 ✓ 11.70 / 10 E.P.

(293.71) ✓

Catalina

32+26	12½ Lt. = ℄ 6" wide E.+W. Conc. block wall,
32+15.8	℄ Alley (1751/8)
+05	17' Lt. = End 2' wide N.+S. Conc. walk (Level with ground.)
32+00	
+91	17½ Lt. = W. edge N.+S. walk 2' wide
+81	20' Lt. = W. edge N.+S. Conc. walk 2' wide
31+79	19' Lt. = Ctr. 42" Diam. Eucalyptus
31+50	
+36	16½ Lt. = ℄ 6" wide conc. block E.+W. wall
+33	4' Lt. = Ctr. 3" Diam. Eucalyptus.
+23	13' Lt. = Ctr. ⊗ box.
+19	16' Lt. = Ctr. 30" Diam. Eucalyptus
31+10	13½ Lt. = ℄ 3' wide Conc. walk
31+00	

⟨293.71⟩

℄

74

293.9 / 0.0 / 20

293.0 / 0.7 / 10

292.5 / 1.2

292.8 6 / 0.85 / 10 / E.P.

N 92.97 / 0.74 / 20 = ℄ Pav. / 17.51/8 = 293.8

293.6 / 0.1 / 20

294.1 / + 0.4 / 14

291.4 / 2.3 / 7

293.3 6 / 0.35 / 10 / E.P.

291.5 / 2.2 / 20

291.4 / 2.3 / 16

289.2 / 4.5 / 8

290.2 / 3.5

290.6 6 / 3.05 / 10 / E.P.

292.8 / 0.9 / 16½ Top of wall

290.9 / 2.8 / 16½ Base of wall

289.37 / 4.34 / 20

289.20 / 4.51 / 13½

~~4.54~~

289.1 / 4.6 / 20

288.6 / 5.1 / 13

287.1 / 6.6 / 9

287.2 / 6.5 / 5

288.3 / 5.4 / 3

288.5 / 5.2

288.73 / 4.98 / 10 / E.R

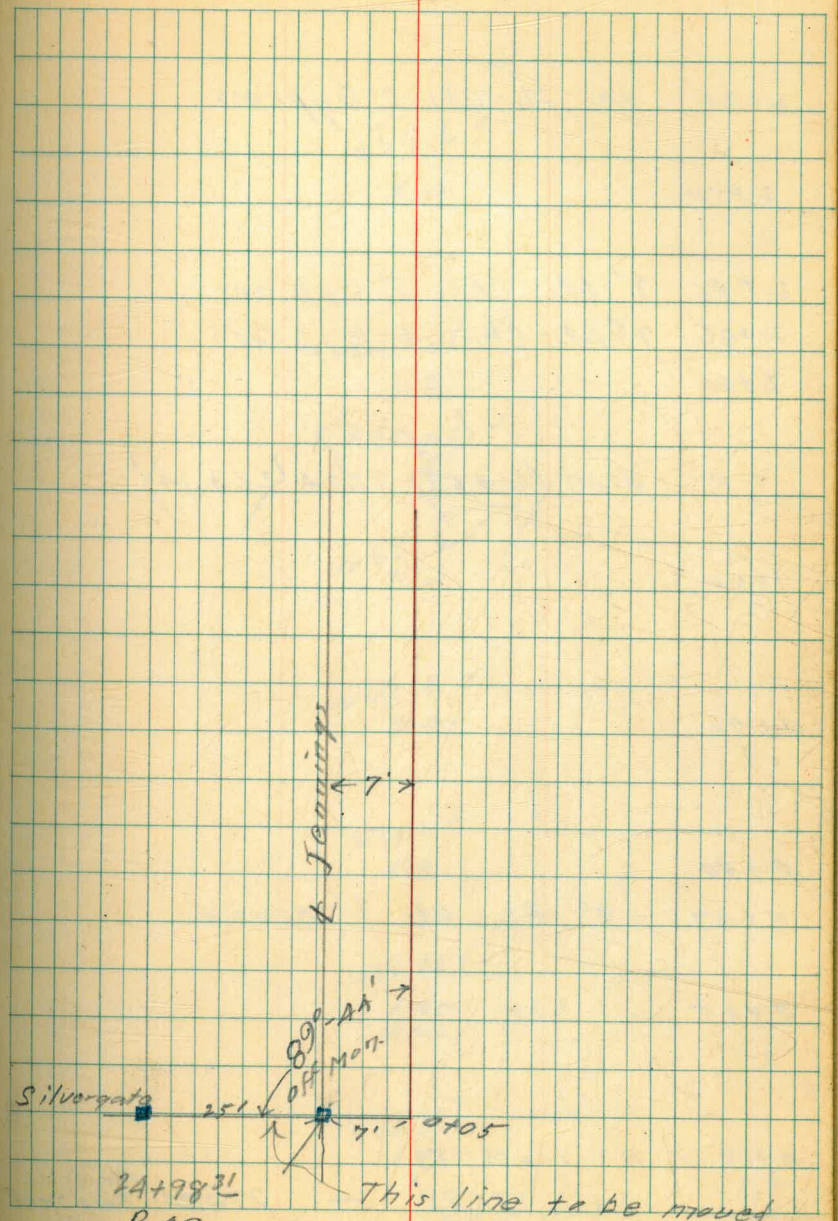
⟨293.71⟩

Line 7' No. of ℄ Jennings
Silvergate west to Exist Sewer

Sommermeyer
McCoy
Jenos

℄

75



P.49

Jennings

2+82 14' Lt. = Ctr. 3' Cypress

2+50

2+46 9' Lt. = Ctr. 3' Cypress

2+06 9' Lt. = Ctr. 3' Cypress

2+00

T.P. 0.49 [264.63] ✓ 12.74 [264.14] ✓

1+50

1+00

0+50

0+49 9' Rt. = Ctr. 1' Acacia

0+05 P.75

0+00 = △ (See P. 75)

2.67 276.88 ✓ — 274.21 Nails in Pole 3601 P 62

259.6 ✓

5.0

267.1 ✓

2.2

[264.63] ✓

265.5 ✓

11.4

267.5 ✓

9.4

270.1 ✓

6.8

275.43 ✓

1.45

Stub

275.6 ✓

1.3

[276.88] ✓

Jennings

77

3+59 6 Lt. = ctr. dead end cap

3+58 start full width pave.

3+00 See P. 19 for paving

2+89 7' Lt. = edge pave

256.97
7.66

256.90
7.73

257.8
6.8

258.18
6.45

~~276.88~~
264.63

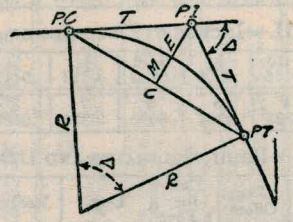
Catalina Blvd
Warner tract - South.

=0+00
18+52 (1751-P.74)=

℄ spike on Catalina 600' South of Ho Pier

306.50

DIETZGEN'S RAILROAD CURVE AND REDUCTION TABLES



CURVE FORMULAS

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

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

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

External=E=Ttan$\frac{\Delta}{4}$-(7)=R÷cos.$\frac{\Delta}{2}$—R(8)=Rexsec$\frac{\Delta}{2}$(9)

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

EXPLANATION AND USE OF TABLES

Stations.—Given P. I.=Sta. 161+60.35 to find Sta. of P. C. and P. T. △=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 △=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′.

Lateral West of Valeta

Ground - 1.0 below Grade

½ to alley .5 higher than floor

5+08.77

5+02.5

5+05.5

5+24

728.84
398.77
330.07

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.

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