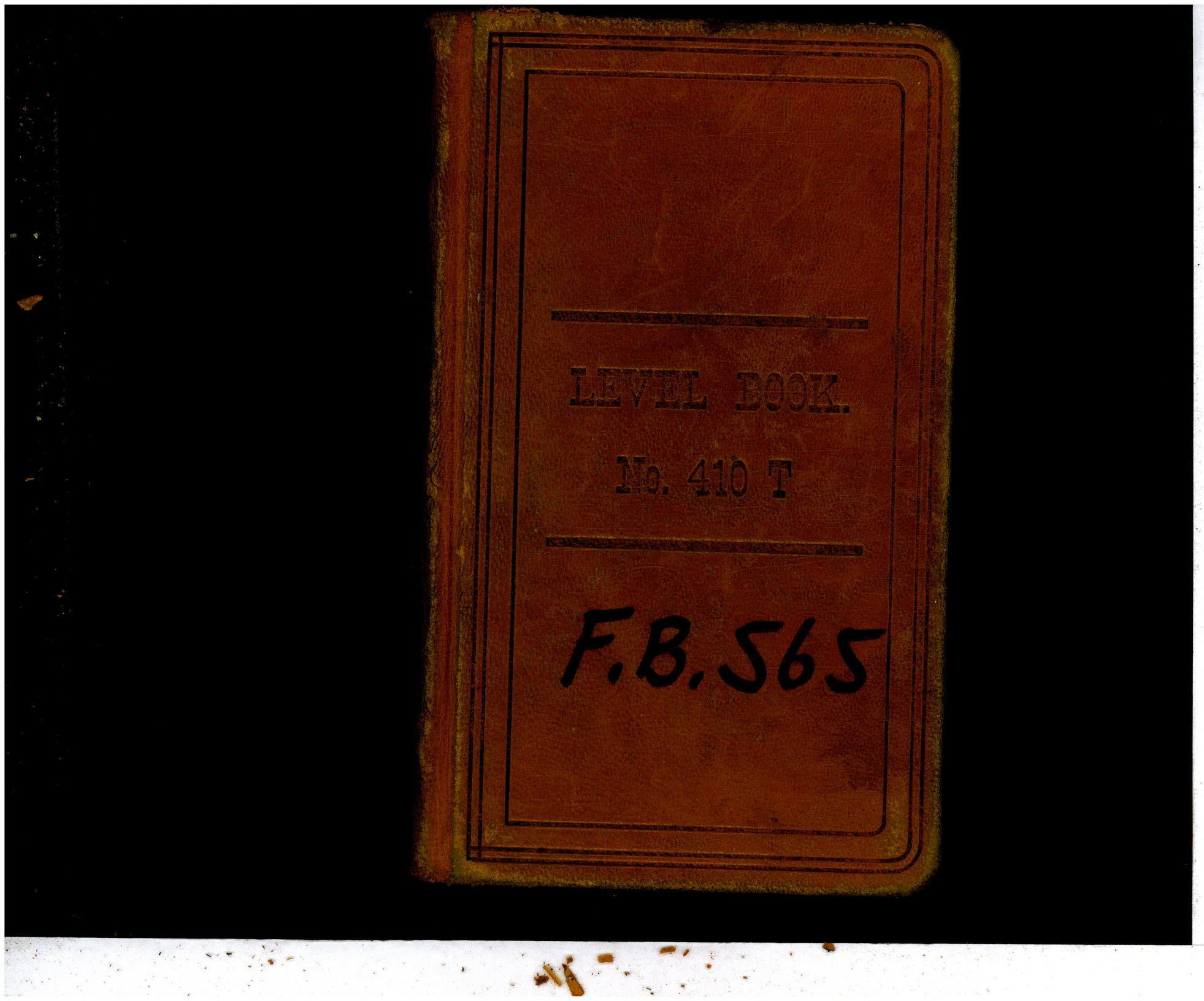
LEVEL BOOK.
No. 410 T
F.B.565

OFFICE OF THE CITY ENGINEER
EAST SAN DIEGO CAL.

Card Indexed Mar. 21, 1918.

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59

EUGENE DIETZGEN CO.,
Drawing Materials and Surveying Instruments.
NEW YORK. CHICAGO. SAN FRANCISCO.

TABLES FOR EXCAVATIONS AND EMBANKMENTS.

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.
ROADWAY 20 FEET WIDE. SIDE SLOPES 1 TO 1.
FOR SINGLE TRACK EXCAVATION.

Copyright, 1902. No. 30340.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	0
1	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11 7	11.8	11.9	1
2	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	2
3	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	3
4	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	4
5	15.0	15.1	15 2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	5
6	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	6
7	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	7
8	18.0	18.1	18.2	18.3	18 4	18.5	18.6	18.7	18.8	18.9	8
9	19.0	19 1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	9
0	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	10
1	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	11
2	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	12
3	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	13
4	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	14
5	25.0	25.1	25 2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	15
6	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26 8	26.9	16
7	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	17
8	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	18
9	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	19
0	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	20
1	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	21
2	32.0	32.1	32.2	32 3	32.4	32.5	32.6	32.7	32.8	32.9	22
3	33.0	33.1	33.2	33.3	33.4	33.5	33 6	33.7	33.8	33.9	23
4	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	24
5	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	25
6	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	26
7	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37 8	37.9	27
8	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	28
9	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	29
0	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	30
1	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	31
2	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	32
3	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	33
4	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	34
5	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	35
6	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	36
7	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	37
8	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48 8	48.9	38
9	49.0	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49 9	39
0	50.0	50.1	50.2	50.3	50.4	50.5	50.6	50.7	50.8	50.9	40

Calculated by F. E. Paradis, C. E.

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X Sections University Ave.

From alley bet Chanoune & Mentone to E.L. Euclid.

354.06 B.M.

Q Alley. 0+00	4.69	358.75			
0+65 ±					
W.L. Mentone 1+35					
E.L. Mentone 1+95					
2+95					
			10.57	348.18	T.P.
3+95	3.24	351.42			
W.L. Menlo. 4+65					
E.L. Menlo 5+25					
6+25			9.86	341.56	T.P.
	3.85	345.41			
7+25					

North P.L.		℄		S.P.L.
Spike in pole S.W. University & Mentone.				
5.3 353.5	25' 4.9 353.9	5.1 353.7	25' 4.7 354.1	3.9 354.9
4.6 354.2	26' 4.8 354.2	24' 5.7 353.1	4.3 354.5	27' 4.3 354.5	4.0 354.8
4.0 354.8	26' 3.7 355.1	23' 5.6 353.2	5.1 353.7	25' 6.0 352.8	5.9 352.9
4.3 354.5	26' 4.7 354.1	23' 7.6 351.2	6.5 352.3	24' 7.9 350.9	26' 6.6 352.2	7.0 351.8
9.0 349.8	27' 9.0 349.8	24' 10.4 348.4	9.6 349.2	24' 10.7 348.1	26' 9.0 349.8	9.5 349.3
5.3 346.1	26' 5.1 346.3	24' 6.7 344.7	5.2 346.2	23' 6.2 345.2	26' 4.1 347.3	3.7 347.7
7.4 344.0	26' 7.1 344.3	23' 8.3 343.1	7.0 344.4	23' 7.8 343.6	26' 5.9 345.5	5.4 346.0
9.1 342.3	26' 8.9 342.5	24' 9.3 342.1	8.1 343.3	22' 8.1 342.3	24' 8.8 343.4	26' 6.3 345.1	6.1 345.3
11.2 340.2	25' 11.1 340.3	10.1 341.3	24' 10.5 340.9	26' 10.1 341.3	9.5 341.9
5.9 339.5	25' 6.4 339.0	5.2 340.2	24' 6.1 339.3	27' 1.6 337.8	7.8 337.6

X Sections University (Con.)

Station						North P.L. — ℄ — South. P.L.
W.L. Sierra 7+95		345.41				(4.1) 341.3; 26' (4.9) 340.5; 24' (5.4) 340.0; (5.0) 340.4; 22' (6.6) 338.8; 31' (11.2) 337.2; (10.2) 335.2; 50' (9.0) 336.4
8+05						(4.7) 340.7; 25' (5.8) 340.2; (4.7) 340.7; 23' (6.5) 338.9; (7.6) 337.8
			4.25	341.16	Marked 341.16 B.M. Pole	N.W. Sierra & University.
8+20			10.86	334.55	T.P.	(4.8) 341.2; 25' (4.9) 340.5; (4.5) 340.9; 23' (5.8) 339.6; (6.9) 338.5
	2.60	337.15				
E.L. Sierra 8+55						(8.0) 329.1; 60' (4.1) 333.0
8+92						(2.9) 334.2; 55' (9.1) 328.0
				341.16	B.M.	N.W. Sierra & University
E.L. Sierra 8+55	7.12	348.28				(4.5) 343.8; 26' (5.9) 342.4; 24' (7.2) 341.1; (6.9) 341.4; 22' (8.3) 340.0
~~8+35~~						
8+92						(3.7) 344.6; 26' (4.7) 343.6; 24' (6.7) 341.6; (6.6) 341.7; 25' (8.1) 340.2
9+03						(3.5) 344.8; 26' (4.4) 343.9; 23' (6.4) 341.9; (6.2) 342.1; 25' (7.4) 340.9; (7.5) 340.8
9+55						(3.0) 345.3; 26' (3.3) 345.0; 24' (5.3) 343.0; (5.1) 343.2; 23' (6.1) 342.2; 26' (5.0) 343.3; (6.4) 341.9
10+05						(3.5) 344.8; 26' (3.9) 344.5; 24' (4.7) 343.6; (4.8) 343.5; 23' (5.3) 343.0; 26' (4.5) 343.8; (5.0) 343.3

X Section & Profile University

						North B.L.	26'	23'	℄	25'	South B.L.
10+55		348.28				(4.1) 344.2	(4.4) 343.9	(5.1) 343.2	(5.2) 343.1	(5.9) 342.4	(6.3) 342.0
W.L. Euclid 11+25						(4.6) 343.7	(5.1) 343.2		(5.4) 342.9	(6.6) 341.7	(7.2) 341.1
E.L. Euclid. 11+85			3.67	344.61 Marked 344.61	B.M. N.E. Euclid.	(3.7) 344.6	(4.5) 343.8		(4.8) 343.5	(5.6) 342.7	(5.6) 342.7

Profile E.L. Euclid – W.L. Winona.

				344.61	B.M.	Spike in pole N.E. Euclid & University.					
E.L. Euclid 11+85	7.52	352.13				(7.6) 344.5			(8.7) 343.4		(9.4) 342.7
12+85						(6.7) 345.4			(7.2) 344.9	Top curb on return 7.6	(7.8) 344.3
P.C. of return 13+03	Walk on Acacia.									Top curb 25' (7.5) 344.6	(7.3) 344.8 Back Walk
13+85						(5.0) 347.1			(5.5) 346.6		(5.8) 346.3
End walk & curb 13+97										(1.5') (6.0) 346.1 Top Curb	(5.9) 346.2 Back Walk
W.L. Alpine 14+55 on N.						(4.6) 347.5			(4.8) 347.3		(5.5) 346.6
E.L. Alpine 15+15						(4.7) 347.4			(5.0) 347.1		(5.2) 346.9
15+85						(6.3) 345.8			(5.8) 346.3		(5.4) 346.7
16+85			11.88	340.25	Rock T.P.	(11.5) 340.6			(10.4) 341.7		(10.2) 341.9
	0.99	341.24									
W.L. Estrella 17+85						(7.3) 333.9			(6.3) 334.9		(6.0) 335.2
W.L. Acacia 18+40 on South			11.56	329.68	B.M.	End of Curb S.W. Acacia.					11.0 330.2

Profile University Ave.

					North P.L.	℄	South P.L.
			329.68	B.M.	End of Curb S.W.	Acacia.	
E.L. Estrella					(0.9) 330.3	(1.8) 329.7	
18+45	1.57	331.25			(5.7) 325.8	(5.9) 325.3	(4.3) 326.9
E.L. Acacia. 18+90 South.					(9.3) 321.9	(7.7) 323.5	
19+10	=7+25						(12.1) 319.1
19+40			12.46	318.79	T.P.		
	1.00	319.79				(5.3) 314.5	
19+85	=8+00					(11.0) 308.8	
20+60						(11.4) 308.4	
21+15						(6.4) 313.4	
21+85			5.78	314.01	T.P. Rock	At Sta 22+15 S.P.L.	
			12.95	306.84	T.P. Rock.		
19+70	1.09	307.93				(1.4) 306.5	
19+85	=8+00					(7.7) 300.2	
19+98						(11.9) 296.0	
20+65						(13.1) 294.8	
20+75						(7.5) 300.4	
20+85	=9+00					(6.8) 301.1	
W.L. Cerros 21+15						(4.4) 303.5	
21+25			1.74	306.19	T.P. Rock	(3.1) 304.8	

Profile University Ave. (Cont.)

						North Prop.	℄	South Prop.
				306.19	T.P. Rock			
21+32	9.49	315.68				(7.2) 308.5		
21+59						(5.7) 310.0		
21+65						(10.9) 304.8		
E.L. - Cerros 21+75						(11.9) 303.8		
21+95						(13.1) 302.6		
22+35				Marked 314.81	Sta. 22+15 S.L.	(11.1) 304.6		
			1.68	314.00	T.P.			
	0.34	314.34	12.78	301.56	T.P. Rock.			
20+07	0.56	302.12						(9.6) 294.5
20+09								(11.4) 290.7
20+63								(10.3) 291.8
20+98			0.56	301.56	T.P. Rock.			(0.7) 301.4
21+85	13.06	314.62	0.61	314.01	Sta 22+15 T.P.			(0.6) 314.0
	13.02	327.03						
W.L. Vine Court. 22+70			0.52	326.51	T.P.	(5.8) 321.2	(5.1) 321.9	(4.7) 322.3
	10.18	336.69						
E.L. Vine Court. 23+20								(9.3) 327.4
23+85						(6.1) 330.6	(5.4) 331.3	(4.0) 331.8
W.L. Winona 24+45			5.10	331.59	B.M.	(3.1) 333.6	(3.3) 333.4	(3.3) 333.4
			Marked	331.54	Winona.			

Spike in fence Corner N.W. Winona.

Carmel Hieghts
April 9, 1926

Bench Marks T.J. Allen.

B.M.	300.66	Lot Stake - Lot 1 BLK E
B.M.	292.96	Pipe S.W. Lot 12 BLK E
B.M.	289.49	Pipe S.E. Lot 39 BLK F
B.M.	300.71	Pipe S.W Lot 30 BLK F
B.M.	308.36	Top of Fire Hydrant N.E Cor Palm, Felton

Cross Sections - Olive St.

Start at Boundary & work West.

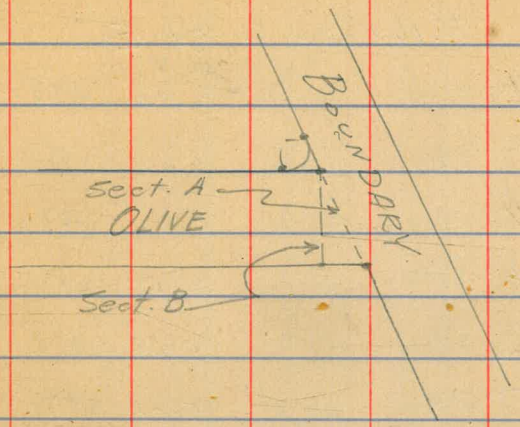
BM. 1.54 302.21 300.67

Sect. A

S Pl.	302 / 2.00	300	✓
Curb	2.10	301	✓
1/4	2.70	995	✓
℄	2.35	998	✓
1/4	2.35	998	✓
Curb	2.40	998	✓
N Pl.	2.50	997	✓

Sect. B.

S Pl.	2.55	996	✓
Curb	2.50	997	✓
1/4	2.75	994	✓
℄	2.45	997	✓
1/4	2.35	998	✓
Curb	2.50	997	✓
N Pl.	2.50	997	✓



NW Car Lot 1 - Blk. E

S Pl.	302 / 4.40	978	✓
Curb	4.10	981	✓
1/4	4.35	978	✓
℄	3.60	986	✓
1/4	3.85	983	✓
Curb	3.40	988	✓
N Pl.	3.20	990	✓

N.W. Cor. 2, Blk E.

S. Pt.	30 v 2 / 6.40	v958	✓
C.	6.00	v962	✓
1/4	6.00	v962	✓
℄	5.25	v969	✓
1/4	5.25	v969	✓
C	5.00	v972	✓
N. Pt.	4.70	v975	✓

N.W. Cor. 3, Blk E.

S. Pt.	6.85	v953	✓
C	6.60	v956	✓
1/4	6.25	v959	✓
℄	5.60	v966	✓
1/4	5.80	v964	✓
C	5.50	v967	✓
N Pt.	5.10	v971	✓

N.W. Cor. Lot 4, Blk E

S Pt.	30 v / 5.95	v963	✓
C	5.90	v963	✓
1/4	6.10	v961	✓
℄	5.60	v965	✓
1/4	5.90	v963	✓
C	5.60	v966	✓
N Pt.	5.45	v967	✓

NW. Cor. Lot 5, Blk E

S Pt.	5.10	v971	✓
C.	5.15	v970	✓
1/4	5.50	v967	✓
℄	5.05	v971	✓
1/4	5.50	v967	✓
C	5.00	v972	✓
N Pt.	5.05	v971	✓

N.W. Cor. Lot 6, Bk E

	302.2		
S Ft.	5.50	x967	✓
C.	5.45	x967	✓
1/4	5.60	x966	✓
℄	5.05	x970	✓
1/4	5.35	x968	✓
C	5.15	x970	✓
N. Ft.	5.00	x972	✓

N.W. Cor. Lot 7, Bk E

S Ft.	5.70	x968	✓
C	5.60	x966	✓
1/4	5.55	x966	✓
℄	4.95	x972	✓
1/4	5.20	x970	✓
C	4.60	x976	✓
N Ft.	4.55	x976	✓

N.W. Cor. Lot 8 Bk. E

	302		
S Ft.	5.35	x968	✓
C	5.25	x969	✓
1/4	5.30	x969	✓
℄	4.75	x974	✓
1/4	5.15	x970	✓
C	4.75	x974	✓
N Ft.	4.55	x976	✓

N.W. Cor. Lot 9, Bk. E

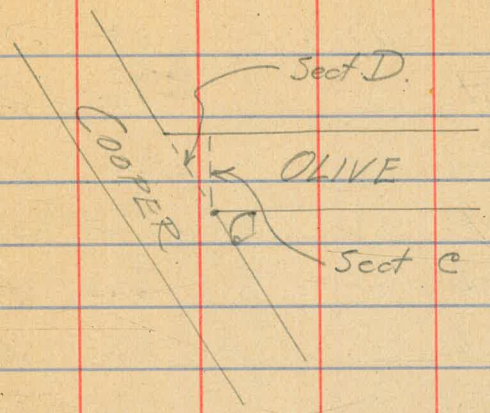
S Ft.	5.50	x967	✓
C.	5.40	x968	✓
1/4	5.45	x967	✓
℄	4.90	x973	✓
1/4	5.10	x971	✓
C	5.00	x972	✓
N Ft.	4.70	x975	✓

N.W. Cor. Lot 10 Blk E

S	Pt.	6.00	962 ✓
	C.	5.90	963 ✓
	1/4	5.90	963 ✓
	℄	5.35	968 ✓
	1/4	5.70	965 ✓
	C	5.35	968 ✓
N.	Pt.	5.05	971 ✓

Sect "C"

S	Pt.	7.00	953 ✓
	C	6.75	955 ✓
	1/4	6.55	956 ✓
	℄	6.20	960 ✓
	1/4	6.40	958 ✓
	C	6.00	962 ✓
N	Pt.	5.60	966 ✓



Sect. D.

S	Pt.	7.00	953 ✓
	C	6.70	965 ✓
	1/4	6.70	958 ✓
	℄	6.45	957 ✓
	1/4	6.50	957 ✓
	C	6.70	955 ✓
N	Pt.	5.95	961 ✓

End of Olive

TERESITA ST.

Start at Felton, work east & south to Nutmeg.

BM. 4.07 304.78 300.71

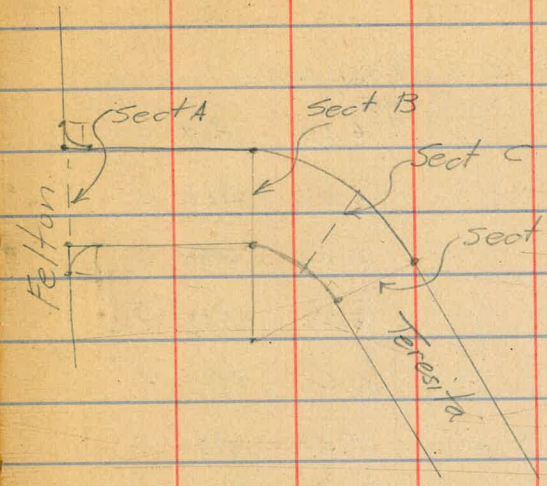
Sect A

304.8

S PL.	4.05	3007	✓
Curb	3.60	3011	✓
1/4	3.25	3015	✓
℄	3.20	3016	✓
1/4	3.30	3015	✓
Curb	3.25	3015	✓
N PL.	3.00	3018	✓

NE. Cor. Lot 7, Blk. G.

S. PL.	4.35	3001	✓
C	4.50	3003	✓
1/4	3.80	3010	✓
℄	3.65	3011	✓
1/4	3.65	3011	✓
C	3.95	3008	✓
N PL.	3.30	3015	✓



Sect B.

304.6

S PL.	4.90	~999	✓
C.	5.15	~996	✓
1/4	4.55	3004	✓
℄	4.10	3007	✓
1/4	4.45	3003	✓
C	4.25	3005	✓
N PL.	4.10	3007	✓

Sect. C (Bisect angle)

		3048		
E	Pt.	6.10	ν989	✓
	C	6.00	ν988	✓
	1/4	5.55	ν992	✓
	℄	5.30	ν995	✓
	1/4	5.65	ν991	✓
	C	5.40	ν994	✓
W.	Pt	5.50	ν993	✓

Sect. D

E.	Pt.	7.65	ν971	✓
	C	7.60	ν972	✓
	1/4	6.70	ν981	✓
	℄	6.25	ν985	✓
	1/4	6.35	ν984	✓
	C	6.90	ν979	✓
W	Pt.	6.10	ν987	✓

S.E. Cor. Lot 6 Bk. G.

		3048'		
E.	Pt.	10.60	ν942	✓
	C	9.60	ν952	✓
	1/4	9.10	ν957	✓
	℄	8.90	ν959	✓
	1/4	9.00	ν958	✓
	C	9.45	ν953	✓
W	Pt.	8.20	ν961	✓

SE. Cor. Lot 5, Blk G.

E	Pt.	11.45	ν933	✓
	C	10.65	ν941	✓
	1/4	10.30	ν945	✓
	℄	10.00	ν948	✓
	1/4	10.00	ν948	✓
	C	10.25	ν945	✓
W	Pt.	9.20	ν956	✓

304.78

S.E. Cor. Lot 4, Bk. G. (S89°51 E)

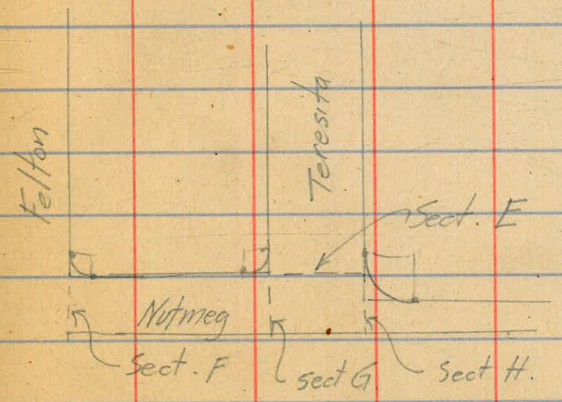
E	PL			304.8 11.90	2929 ✓
	C			11.40	2934 ✓
	1/4			11.00	2938 ✓
	℄			10.65	2941 ✓
	1/4			10.60	2942 ✓
	C			11.00	2938 ✓
W	PL			9.80	2950 ✓
	T.P.	1.95	296.93	9.80	294.98

S.E. Cor. Lot 3, Bk. G.

E	PL			296.9 4.55	2923 ✓
	C			4.05	2928 ✓
	1/4			3.65	2932 ✓
	℄			3.70	2932 ✓
	1/4			3.70	2932 ✓
	C			3.35	2935 ✓
W	PL			3.30	2936 ✓

S.E. Cor. Lot 2, Bk. G.

E	PL			296.9 5.50	2914 ✓
	C			5.30	2916 ✓
	1/4			4.70	2922 ✓
	℄			4.30	2926 ✓
	1/4			4.50	2924 ✓
	C			5.00	2919 ✓
W	PL			4.00	2929 ✓



		296.93			
	Sect. E				
			296.9		
E. PL			6.10	2908	✓
C			5.80	2911	✓
1/4			5.40	2915	✓
℄			5.40	2915	✓
1/4			4.90	2926	✓
C			4.70	2922	✓
W. PL			5.35	2915	✓
	End of Teresita				
PL					
C					
1/4					
℄					
1/4					
C					
PL					
BM			7.46	289.47	

Nutmeg St.

Start at Teresita, & work west to Felton

296.93

Sect. H (see page 13)

N PL	296.9	6.20	2907	✓
Curb		6.35	2905	✓
1/4		6.50	2904	✓
℄		6.70	2902	✓

Sect. G. (page 13)

N PL		5.35	2915	✓
Curb		5.25	2916	✓
1/4		5.35	2915	✓
℄		5.60	2913	✓

50' west

N PL		5.25	2916	✓
C		5.65	2912	✓
1/4		5.90	2910	✓
℄		6.35	2905	✓

S.W. Cor Lot 1 Bk G.

N PL	296.9	7.10	2898	✓
C		7.70	2892	✓
1/4		8.05	2888	✓
℄		8.70	2882	✓

50' west

N PL		10.85	2866	✓
C		11.60	2853	✓
1/4		12.30	2846	✓
℄		13.40	2835	✓

Sect. F (see page 13)

N PL		16.00	2809	✓
C		17.00	2799	✓
1/4		18.10	2788	✓
℄		19.50	2774	✓

End of Nutmeg

Profiles of Sewer Lines Carmel Heights Ext.

T. J. Allen
April 15, 1926.

Block A - McKinley to Boundary

B.M.	0.85	306.71		305.86
			306.7 / 3.4	303.3 ✓
S.W. Cor. Lot 4				
" " 3			5.1	3016 ✓
" " 2			6.2	3005 ✓
" " 1			8.9	√974 ✓
S.E. Cor. Lot 1			14.7	√940 ✓
TP	0.25	294.59	12.37	294.34

Block B - McKinley to Boundary

S.W. Cor. Lot 5			7.0	√87.6 ✓
TP	5.21	287.49	12.31	282.28
			287.5 / 8.1	√794 ✓
30' east				
S.W. Cor. Lot 4			17.7	√698 ✓
26' east			17.6	√699 ✓
S.W. Cor. Lot 3			12.0	√785 ✓
23' east			9.3	√878 ✓
S.W. Cor. Lot 2			9.3	√878 ✓
30 east			4.9	√886 ✓
S.W. Cor. Lot 1			4.2	√893 ✓
S.E. Cor. Lot 1			4.7	√888 ✓

		+	287.49	−	
TP		12.35	298.88	0.96	286.53
TP		7.30	304.89	1.29	297.59
Block C - McKinley to Boundary					
S.W.Cor.	Lot 6			6.3	298.6
"	" 5			5.3	299.6
"	" 4			4.5	300.4
"	" 3			4.7	300.2
"	" 2			4.5	300.4
"	" 1			5.2	299.7
S.E. Cor.	Lot 1			8.3	296.6
B.M.	Lot 1 Blk D.	6.98	303.66	8.21	296.68
Block D - Boundary to Cooper					
S.E.Cor.	Lot 1			5.8	297.9
N.W.	" " 24			4.9	298.8
S.E.	" " 2			4.8	298.9
"	" " 3			4.7	299.0

303.66

Block D - Contd

S.E. Cor. Lot 4	303	4.6	299.6	✓
" " 5		5.0	987	✓
" " 6		5.2	985	✓
" " 7		5.0	987	✓
" " 8		4.7	990	✓
" " 9		4.6	991	✓
" " 10		4.6	991	✓
" " 11		4.6	991	✓
TP on Stake 0.98	300.90	3.74		299.92
S.E. Cor. Lot 12	300	2.3	986	✓
S.W. " " 12	9	2.6	983	✓

Block E - Cooper to Boundary

S.W. Cor. Lot 11	6.5	944	✓
S.E. " " 11	6.3	946	✓
" " 10	5.6	953	✓
" " 9	4.9	960	✓
" " 8	4.6	963	✓
" " 7	4.9	960	✓

Block E - Contd

		+	300.90	− 300.9	
S.E. Cor. Lot 6				5.0	√959 ✓
" "	5			5.0	√959 ✓
" "	4			6.6	√945 ✓
35' east				9.3	√916 ✓
S.E. Cor. Lot 3				7.8	√931 ✓
" " "	2			5.9	√950 ✓
N.E " "	21			2.9	√980 ✓
S.E. " "	1			0.9	3000 ✓
TP		1.08	289.50	12.48	288.42
TP		0.59	277.52	12.57	276.93

Block F - Nutmeg to Palm.

				277.5	
S.W. Cor. Lot 13				18.7	√588 ✓
34' north				21.0	√565 ✓
S.W. Cor. Lot 14				17.9	√596 ✓
23' north				16.4	√611 ✓
S.W. Cor. Lot 15				21.5	√560 ✓

Block F - Contd

			277.52	277.5	
29' north				18.9	√586 ✓
43' north				20.9	√566 ✓
S.W. Cor. Lot 16				17.7	√598 ✓
52' north				16.1	√614 ✓
S.W. Cor. Lot 17				16.7	√608 ✓
7' north				17.9	√596 ✓
35' north				15.2	√613 ✓
43' north				16.0	√615 ✓
S.W. Cor. Lot 18				12.3	√652 ✓
29' north				8.8	√687 ✓
S.W. Cor. Lot 19				12.5	√650 ✓
" " Lot 20				9.4	√681 ✓
38 north				7.7	√698 ✓
S.W. Cor. Lot 21				1.3	√767 ✓
TP		11.28	288.05	0.75	276.77
12' north				10.8	√773 ✓
46' north				12.7	√754 ✓
S.W. Cor. 23				9.0	√791 ✓
25 north				7.4	√807 ✓

Block F - Contd.

		288.05	288.1	
42' north			11.80	276.3
68' north			9.4	278.7
102' north			5.5	282.6
N.W. Cor. Lot 23			2.1	286.0

Block F - Cooper to Felton.

		298.35	298.4	
S.E. Cor. Lot 22			2.2	296.2
S.W. Cor. " 22			6.2	292.2
26' west			10.2	288.2
SW. Cor. 23		288.05	9.0	279.1
12' west			13.3	274.8
37' west			2.9	285.2
S.W. Cor. Lot 24			2.3	285.8
TP,	7.83	304.70	1.48	296.87
" " " 25			4.1	304.6
" " " 27			0.3	304.4
TP	10.88	298.35	0.58	287.47
B.M.		304.70	3.89	300.81

Block G - Teresita to Nutmeg.

B.M.	3.89	304.60	304.6	300.71
N.W. Cor Lot 6			4.3	300.3
" " 5			6.7	297.9
" " 4			8.3	296.3
" " 3			9.3	295.3
" " 2			10.5	294.1
" " 1			12.6	292.0
S.W. Cor. " 1			14.8	289.8

Along S. Line Pueblo Lot 1350

0+00 = 2½" Pipe on East Line Felton St.

Nutmeg Street, Felton to Boundary.

T.J. Allen,
April 15, 1926.

B.M.	4.55	294.04			289.49
			294.0		
0+0			16.2	277.8	✓
+50			10.1	283.9	✓
1			5.7	288.3	✓
+50			3.4	290.6	✓
2			2.6	291.4	✓
+50			4.2	289.8	✓
3			10.6	283.2	✓
TP	2.36	283.73		12.67	281.37
			283.7		
+50			12.3	271.4	✓
4			32.1	251.6	✓
+10			32.3	251.4	✓
+50			21.1	262.6	✓
5			4.5	279.2	✓
TP	6.86	290.49		0.10	283.63
			290.5		
+50			4.1	286.4	✓
6			2.0	288.5	✓
+50			1.9	288.6	✓
7			4.5	286.0	✓
+10			7.3	283.2	✓
7+50				4.4	286.1	✓
+90				4.6	285.9	✓
8				6.3	284.2	✓
+35				14.5	276.0	✓
+50				11.8	278.7	✓
9				3.5	287.0	✓
+50				6.8	283.7	✓
TP	9.99	293.37	293.4	7.11	283.38
10				22.6	270.8	✓
+50				9.3	284.1	✓
11				0.9	292.5	✓
TP	10.46	303.20		0.63	292.74
			303.2		
+50				5.7	297.5	✓
+98±				3.9	299.3	✓

Con. Mon. Boundary St.

B.M.	3.84	299.36

Sewer - Block F
Between Lots 13 & 12

292.96
3.27
296.23

B.M.	3.27	296.23	292.96
N.W. Cor. Lot 12		4.3	291.9
50' South		6.0	290
100' "		9.3	286.9
106' "		11.8	284.4
S.W. Cor. Lot 12		14.2	282.0

Levels on Alley Pav.
Blk 148 Univ. Hts

Indexed
C.S.K.

330.91

Moore
4-28-39.

SEBP	5.96	330.91		324.95	Polk Texas
0+00 N/y Polk					
W			4.39	326.52	
C			4.64	6.27	
E			4.40	6.51	
0+20					
E			3.57	7.34	
C			3.82	7.09	
W			3.51	7.40	
0+40					
W			2.98	7.93	
C			3.24	7.67	
E			2.98	7.93	
0+60					
E			2.76	8.15	
C			3.01	7.90	
W			2.77	8.14	
0+80					
W			2.87	8.04	

C			3.09	327.82
E			2.84	8.07
1+00				
E			3.02	7.89
C			3.31	7.60
W			3.07	7.84
1+20				
W			3.30	7.61
C			3.52	7.39
E			3.22	7.69
1+40				
E			3.45	7.46
C			3.73	7.18
W			3.53	7.38
1+60				
W			3.78	7.13
C			4.00	6.91
E			3.70	7.21
1+80				
E			3.89	7.02

330.91

C			4.18	6.73
W			4.00	6.91
	2+00			
W			4.27	6.64
C			4.43	6.48
E			4.11	6.80
	2+20			
E			4.30	6.61
C			4.62	6.29
W			4.43	6.48
	2+40			
W			4.56	6.37
C			4.70	6.21
E			4.37	6.54
T.P.	4.11	330.65	4.37	326.54
	2+60			
E			4.17	326.48
C			4.45	6.20

330.65

W		4.34	6.31
	2+80		
W		4.41	6.24
C		4.57	6.08
E		4.26	6.39
	3+00		
E		4.33	6.32
C		4.64	6.01
W		4.45	6.20
	3+20		
W		4.54	6.13
C		4.71	5.94
E		4.40	6.25
	3+40		
E		4.45	6.20
C		4.78	5.87
W		4.59	6.06
	3+60		
W		4.63	6.02
C		4.82	5.83

330.65

E		4.51	6.14
3+80			
E		4.57	6.08
C		4.90	5.75
W		4.70	5.95
4+00			
W		4.74	5.91
C		4.94	5.71
E		4.61	6.04
4+20			
E		4.70	5.91
C		5.00	5.65
W		4.80	5.85
4+30			
W		4.81	5.84
C		4.99	5.66
E		4.77	5.93
4+40			
E		4.76	5.89
C		5.04	5.61

However Ex. Joint here and filler starts above this 0.02

High Pav. Point

330.65

W		4.84	5.81
4+50			
W		4.87	5.78
C		5.055	5.595
E		4.75	5.90
4+60			
E		4.81	5.84
C		5.10	5.55
W		4.91	5.74
4+70			
W		4.94	5.71
C		5.13	5.52
E		4.87	5.83
4+80			
E		4.86	5.79
C		5.155	5.495
W		4.94	5.69
4+90			
W		4.99	5.66
C		5.165	5.485

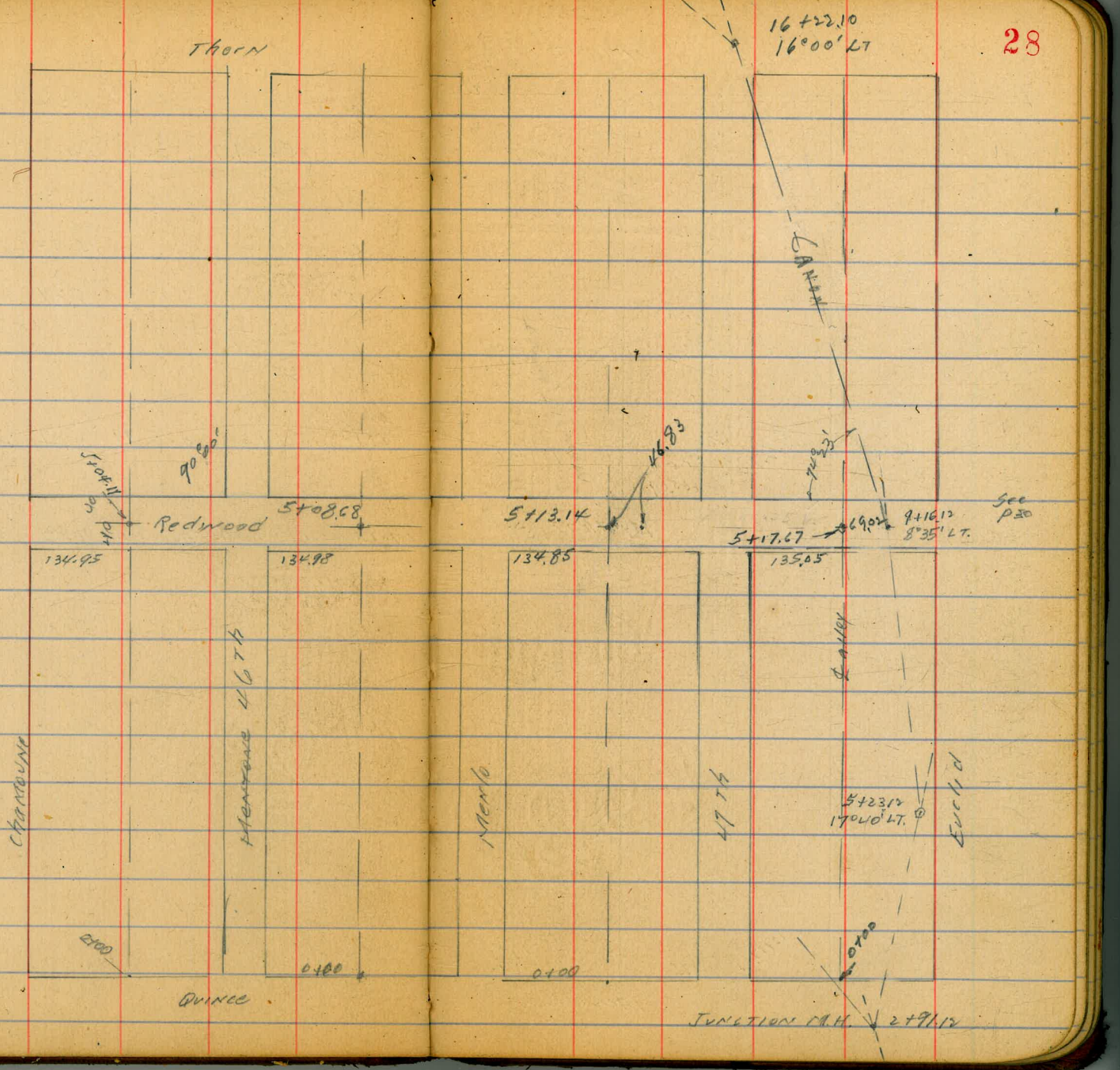
E		4.88	5.77
5+00			
E		4.91	5.74
C		5.20	5.45
W		5.03	5.62
5+10			
W		5.04	5.61
C		5.215	5.43.5
E		4.94	5.73
5+20			
E		4.96	5.69
C		5.25	5.40
W		5.08	5.57
5+30			
W		5.15	5.50
C		5.35	5.30
E		5.05	5.60
5+40			
E		5.17	5.48
C		5.46	5.19

W			5.24	5.41	
5+49.7	end	Pav.			
W			5.30	5.35	
C			5.52	5.13	
E			5.29	5.36	
T.P	1.61	325.79	4.47	324.18	
check SEBP Texas Howard			7.83	317.96	317.95 Miller

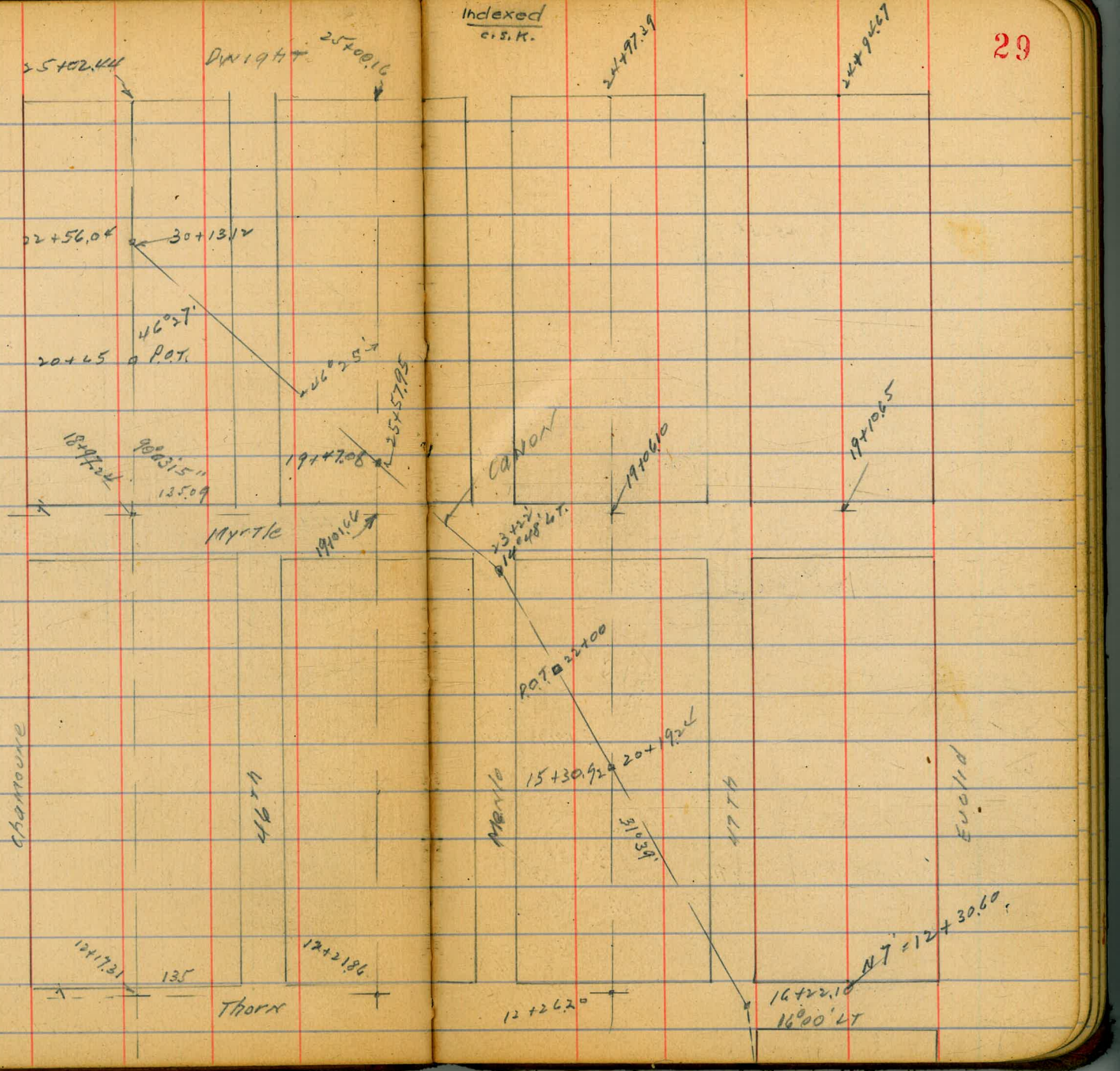
Sewer Prelim.

Bungalow Park

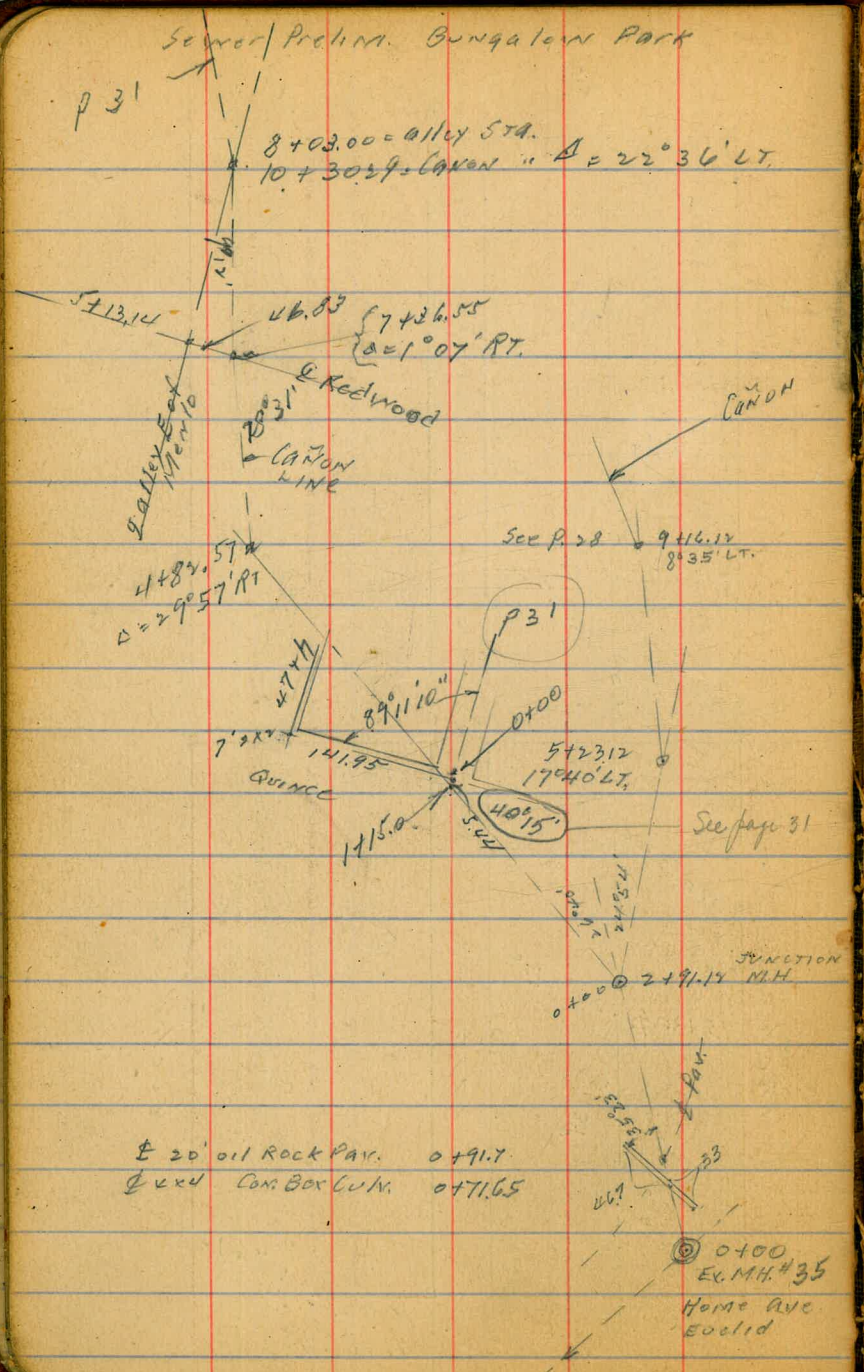
Moore
Sisson
Northern
5-39
Set RW stubs

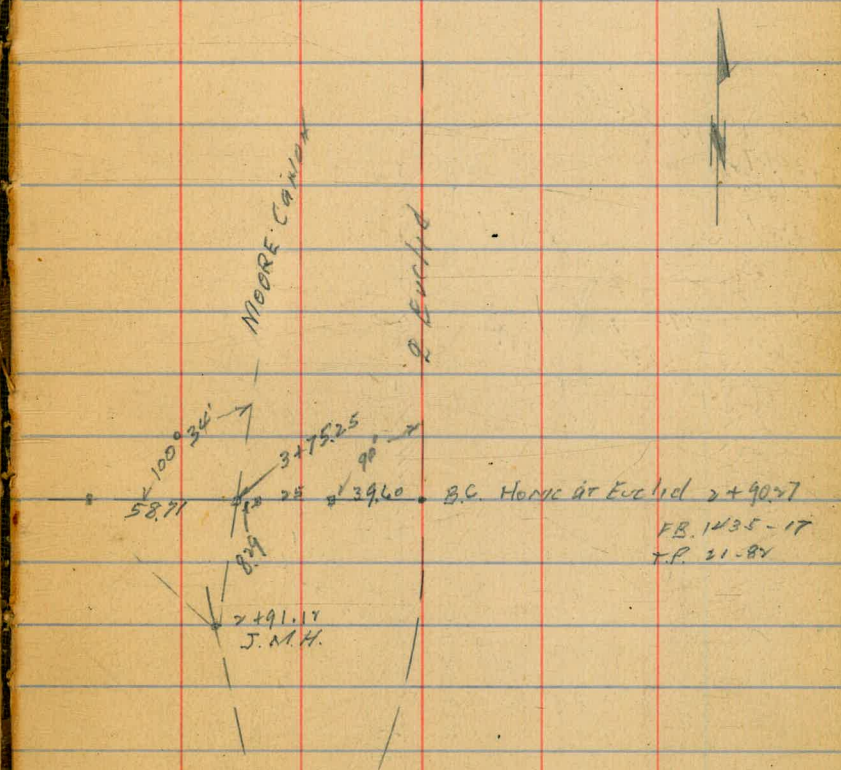


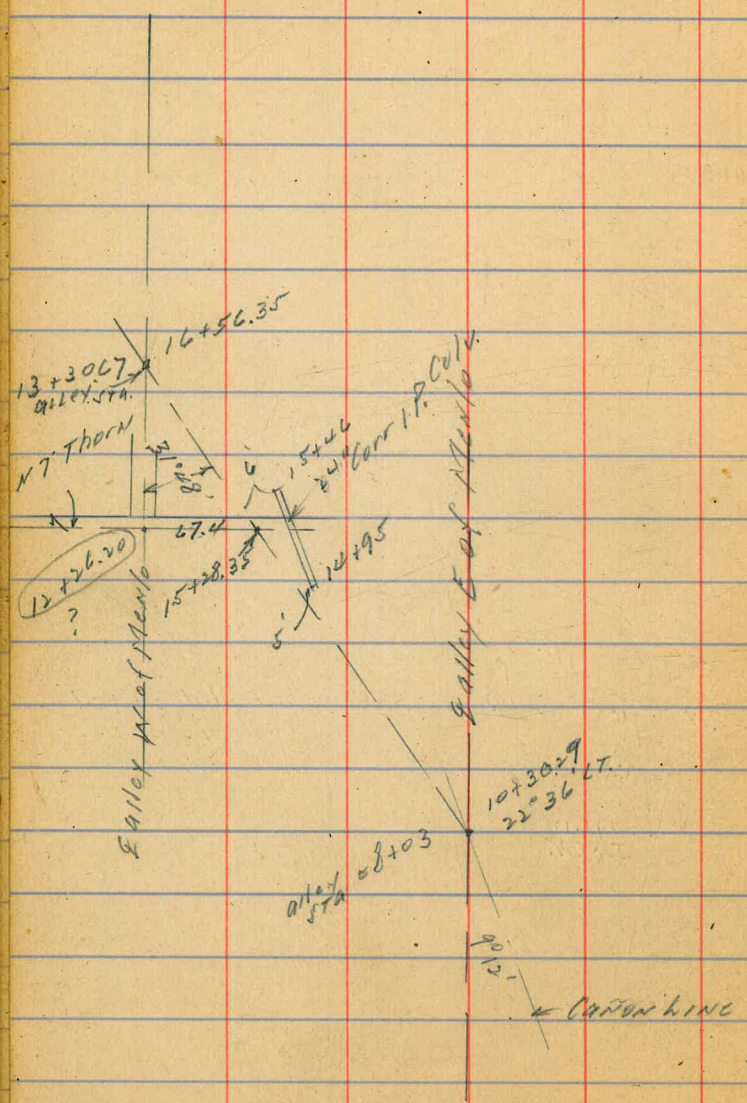
Indexed
C.S.K.

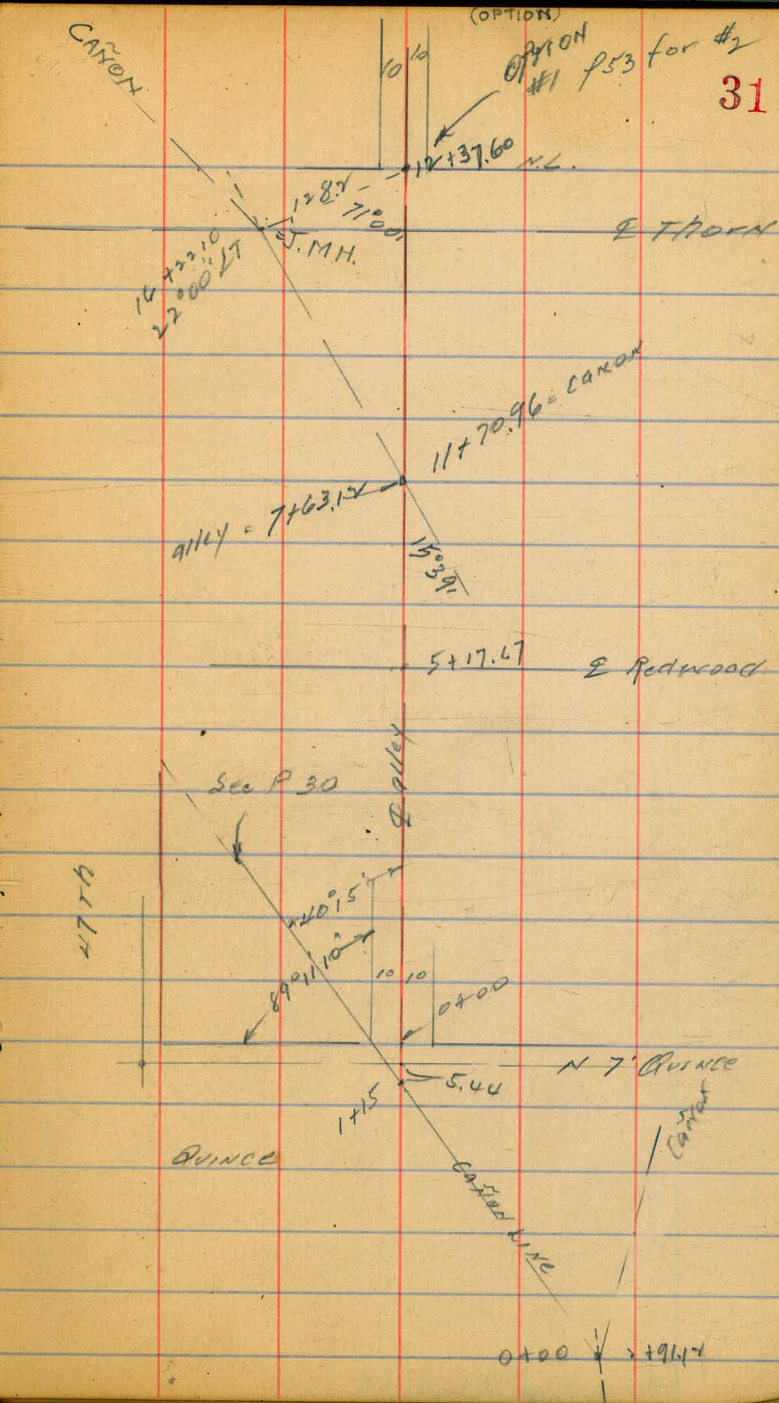

25+02.44
Dwight
25+00.16
24+97.39
24+94.67
22+56.04
30+13.12
46°27'
20+45
P.O.T.
46°25'
25+57.95
18+97.24
90°03'15"
135.09
19+47.08
Canon
19+06.10
19+10.65
Myrtle
19+01.66
23+22
14°48' LT.
P.O.T. 22+00
15+30.92
20+19.24
31°39'
Chamoune
46th
Menlo
47th
Euclid
12+17.31
135
12+21.86
Thorn
12+26.20
16+22.10
16°00' LT
N7' = 12+30.60

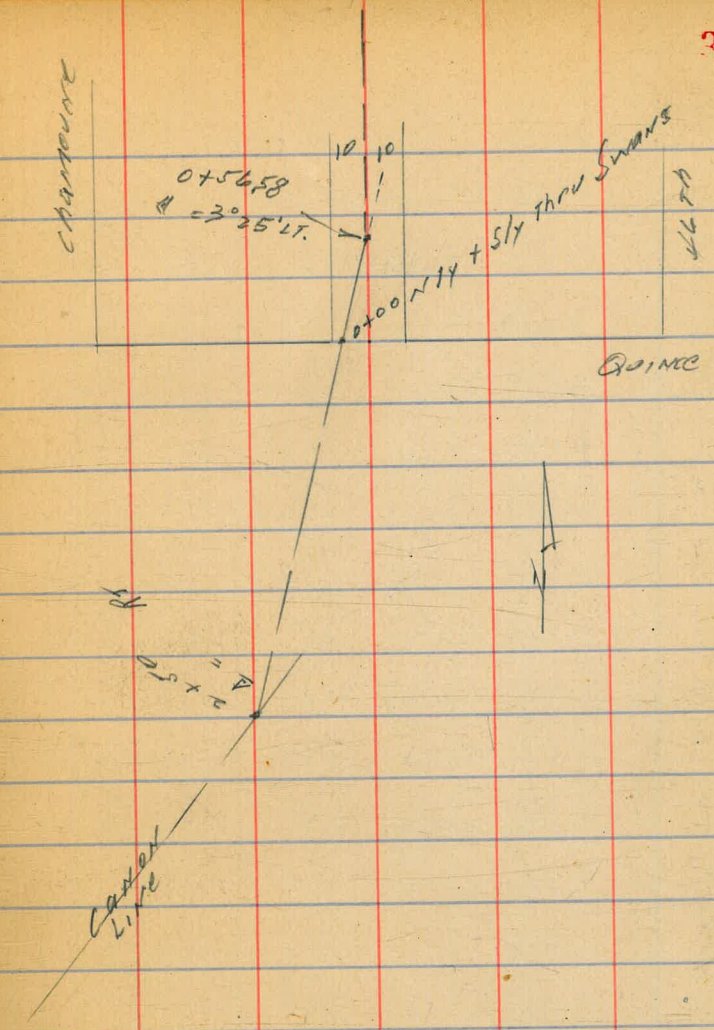
Sewer Prelim. Bungalow Park






16+56.35
13+30.67
alley sta.
N 7' Thorn
31°48'
6'
15+46
24" Corr I.P. Culv.
67.4
12+26.20
?
15+28.35
14+95
5'
℄ alley W of Menlo
℄ alley E of Menlo
10+30.29
22°36' LT.
alley sta = 8+03
9°12'
Cañon Line


(OPTION)
Cañon
Option #1 p53 for #2
10
10
12+37.60
N.L.
128.2
71°00'
J.M.H.
℄ Thorn
16+22.10
22°00' LT
11+70.96 = Cañon
alley = 7+63.12
15°39'
5+17.67
℄ Redwood
Sec P 30
℄ alley
47 Th
40°15'
89°11'10"
10
10
0+00
N 7' Quince
5.44
1+15
Quince
Cañon Line
Cañon
0+00
2+91.12


Chamoune
10
10
0+56.58
= 3° 25' LT.
0+00 N 1/4 + S 1/4 thru Swans
Quince
Canon Line

Bungalow Park Sewer Levels

Cañon Line

2x2 P.I. Hub	12.77	207.37		194.60	Euclid Home Ave
0+00 Ex. M.H. #35 H			20.05	187.32	F.L.
" " "			10.10	196.27	Rim.
" " "			12.0	195.4	ground
0+29 Toe Fill			10.6	196.8	
0+41 Top Shoulder			4.2	203.2	
0+75 S edge 20' oil rock Pax.			3.4	203.8	
1+15 N " " "			3.5	203.9	
1+40 Top Shoulder			3.4	204.0	
1+50 Toe Fill			6.5	200.9	
1+65			7.1	200.3	
F.L. inlet 4'x4' Conc. Box Culv.			11.29	196.08	
" outlet " "			13.12	194.25	
1+98			5.6	201.8	
2+00 E edge wash			7.1	200.3	
+25			5.9	201.5	
+50			6.8	200.6	

207.37

2+88			6.0	201.4	
2+91.12 Junc. M.H.			3.85	203.52	Junc. M.H.
" T.P.	12.67	214.19	3.85	203.52	Stub
3+00			12.9	203.3	
+22			12.3	203.9	
+33 E wash			13.2	203.0	
+43 N "			14.0	202.2	
+48			11.0	205.2	
4			8.8	207.4	
+20			8.2	208.0	
+22 SL wash			10.9	205.3	
+41 NL "			9.8	206.4	
+56			6.1	210.1	
+80			6.0	210.2	
+85 wash			7.1	209.1	
+97 "			8.2	208.0	
5			5.5	210.7	
5+23.12 Δ Pt.			4.35	211.84	Stub
+49			4.0	212.2	
+55			2.7	213.5	

		216.19			
5+75			2.8	213.4	
6			2.9	213.3	
T.P.	12.03	225.91	12.31	213.88	TOP EARTH
+25			12.3	213.6	
+55			11.0	214.9	
+58	wash		14.3	211.6	
+68	"		12.3	213.6	
+70			10.6	215.3	
7			7.9	218.0	
7+35			4.7	221.2	
"	8' RT.=wash		12.1	213.8	
7+50			4.4	221.5	
"	7' " = "		11.2	214.7	
8			6.1	219.8	
+23			6.0	219.9	
+25	wash		9.3	216.6	
+63	"		6.6	219.3	
+65			5.0	220.9	
9			3.1	222.8	
9+16.12	Δ PT.		3.11	222.80	STUB
" T.P.	11.94	234.74	3.11	222.80	"

		234.74			
9+37	wash		12.6	222.1	
+50			11.2	223.5	
10			9.9	224.8	
+15	"		11.4	223.3	
+25			9.6	225.1	
+50			8.3	226.4	
+70			7.5	227.2	
+76	"		9.0	225.7	
+85			7.5	227.2	
11			6.7	228.0	
+40			4.9	229.8	
+45			5.0	229.7	
+48	"		5.9	228.8	
+59	"		6.3	228.4	
+61			5.0	229.7	
11+70.96	INT. E alley	E of 47th	4.71	230.03	7+63.12 alley STUB STA.
12			3.3	231.4	
+20	wash		3.8	230.9	
+40			2.3	232.4	
T.P.	12.95	246.83	0.86	233.88	

		246.83			
+65			13.0	233.8	
13+04			12.8	234.0	
+07	Wash		14.3	232.5	
+18	"		14.1	232.7	
+20			12.0	234.8	
+50			10.4	236.4	
14			8.8	238.0	
+30			8.2	238.6	
+34	Wash		11.2	235.6	
+42	"		10.8	236.0	
+47			8.2	238.6	
+60			7.3	239.5	
15			4.7	242.1	
+50			2.4	244.4	
"	22 LT. = Wash		8.5	238.3	
+86			2.1	244.7	
+91	Wash from East		5.3	241.5	
+95			2.1	244.7	
T.P.	6.34	251.64	1.53	245.30	
16+22.10	Δ Pt. of Junc. M.H.		4.20	247.44	Stub

		251.64			
					See P 51 also 31
16+22.10	9'	LT = Wash	11.1	240.5	To E.
"	23.2' RT = 105'		0.0	251.6	from Ealley + N.L. Thorn
+37			7.5	244.1	Stg 12+37.6 P 31
+39	Wash		10.9	240.7	
+50	"		10.7	240.9	
+63	"		9.1	242.5	
+70			5.7	245.9	
+80			4.6	247.0	
17			4.2	247.4	
+12			5.3	246.3	
+20	Wash		7.8	243.8	
+33	"		6.8	244.8	
+37			2.2	249.4	
+50			1.4	250.4	
T.P.	12.50	263.40	0.74	250.90	Top Lath
+75			11.6	251.8	
+98			13.5	249.9	
18	Wash		17.0	246.4	
+20	"		15.5	247.9	
+25			12.3	251.1	

		263.40			
+50			9.6	253.8	
+75			8.1	255.3	
19			8.2	255.2	
+01	Wash		11.3	252.1	
+09	"		11.3	252.1	
+11			8.0	255.4	
+50			4.7	258.7	
+75			3.3	260.1	
20			4.0	259.4	
+19.24	INT. E. of Menlo Valley		3.03	260.37	STUB
+55		=15+30.92	1.8	261.6	
+57	Wash		4.9	258.5	
+65	"		4.9	258.5	
+68			1.8	261.6	
T.P.	12.99	276.04	0.35	263.05	
21			12.5	263.5	
+09			11.9	264.1	
+10	Wash		14.0	262.0	
+16	"		14.9	261.1	
+18			11.3	264.7	

		276.04			
+50			9.3	266.7	
+80			5.5	270.5	
22	P.O.T.		4.13	271.91	STUB
+09			4.4	271.6	
+22			6.6	269.4	
+50			6.4	269.6	
23			5.4	270.6	
+22 =	Δ 14°48' LT		4.61	271.43	STUB
+50			3.2	272.8	
+65			3.1	272.9	
24			1.5	274.5	
T.P.	12.05	287.15	0.94	275.10	TOP BATH
+19			11.4	275.5	
+22	Wash		14.0	273.2	
+29	"		13.5	273.7	
+31			11.4	275.8	
+50			11.0	276.2	
25			9.3	277.9	
+25			8.6	278.6	
+30	Wash		10.3	276.9	

		287.15			
+35			8.6	278.6	
+57.95	Int. E alley E of 46th		7.03	280.12	
26			4.8	282.4	
+10			4.9	282.3	
+13	Wash		6.0	281.2	
+25	"		5.9	281.3	
+30			4.4	282.8	
+50			4.0	283.2	
+80			3.2	284.0	
27			3.8	283.4	
+05			2.4	284.8	
T.P.	12.76	299.15	0.76	286.39	
+45			11.8	287.4	
+50			13.1	286.1	
+60			11.8	287.4	
28			9.5	289.7	
+50			7.5	291.7	
29			5.3	293.9	
+25			2.5	296.7	
+33			2.5	296.7	

		299.15			
+39	Wash		6.0	293.2	
+50			4.0	295.2	
+68			3.1	296.1	
+78			0.0	299.2	
T.P.	9.48	308.54	0.09	299.06	
30			6.9	301.6	
30 +13.12	end of Canon Line	= 22 +56.04	6.36	302.18	Stub
22 + 68 = alley	Sta.	= E alley E of Chamoune	8.9	299.6	
+78	Wash	crossing	11.5	297.0	
+95	"		11.9	296.6	
23			7.8	300.7	
+15			2.9	305.6	
T.P.	11.26	319.49	0.31	308.23	
+50			7.4	312.1	
+73			4.1	315.4	
+82			2.1	317.4	
T.P.	11.52	330.74	0.27	319.22	
+90			10.9	319.8	
+98	Toe	fill	11.2	319.5	
24 +10	Top	"	4.9	325.8	

330.74

450	3.3	327.4	
25+02.44 SL Dwight	4.1	326.6	
near Dwight			
check to BM Chamounix	6.9	324.05	324.00
			0.05

Note!

23+73 30' E = Septic tank or Cesspool

ground approx 8' higher than Valley

Could D.E. at 23+80

Canon Line heading
to alley N of Thorn
W of Menlo

	13.04	216.56		203.52	
2+91.12=J.M.H.=0+00					
0+50			10.2	205.4	
0+74			9.9	206.7	
0+76	wash		11.3	205.3	
0+85	"		11.0	205.6	
0+90			9.5	207.1	
1+00			9.0	207.6	
1+15 Int. alley E of 47th			7.95	208.61	Stub
+22			7.5	209.1	
+28			8.8	207.8	
+33			7.4	209.2	
+50			6.3	210.3	
2			4.0	212.6	
T.P.	12.24	227.31	1.49	215.07	
+50			11.2	216.1	
3			10.1	217.2	
+30			6.9	220.4	
+50			7.6	219.7	
+60			7.5	219.8	

		227.31			
4+00			3.0	224.3	
+12			2.4	224.9	
+20	wash		4.5	222.8	
+35			2.2	225.1	
+50			1.8	225.5	
T.P.	12.76	238.95	1.12	226.19	
+58	wash		14.7	224.3	
+62	"		13.3	224.7	
4+82.57 Δ 29°57' Rt.			11.38	227.57	Stub
5			10.4	228.4	
+30			8.8	230.2	
+50			8.4	230.6	
+70	wash		9.0	230.0	
6			6.8	232.2	
+20			6.2	232.8	
+40			5.8	233.2	
+50			4.4	234.6	
+65			3.5	235.5	
+68	wash		4.5	234.5	
+75			3.2	235.8	

		238.95			
7+00			1.3	237.7	
T.P.	12.75	251.21	0.49	238.46	
+14			12.4	238.6	
+20	Wash		13.8	237.4	
+25			13.0	238.2	
7+36.55	Δ 1°07' RT		12.04	239.17	STUB & R.W.
+50			11.4	239.6	
+58	Wash		12.1	239.1	
+62			10.8	240.4	
8			8.8	242.4	
+08	Wash		10.0	241.2	
+15	"		9.5	241.7	
+20			8.0	243.2	
+50			4.3	244.9	
9			4.1	247.1	
" 6 RT	= Wash		6.7	244.5	
9+35	"		4.3	247.9	
+45			1.3	249.9	
T.P.	12.89	263.79	0.31	250.90	
+70			10.5	253.3	

		263.79			
+80			11.9	251.9	
+90			10.1	253.7	
10+05			9.2	254.6	
10+30.29	Δ 22°36' LT.		3.14	260.65	8+03 = alley int. sec. STUB
" "	10' LT.		7.2	256.6	bot. canon
10+60			3.7	260.1	
+80			5.2	258.6	
11			3.7	260.1	
+25			2.6	261.2	
T.P.	9.11	272.69	0.21	263.58	
+50			10.2	262.5	
+75			8.5	264.2	
+83	1.5 LT. 4" Avocado Tree				
+90	Small orange		8.2	264.5	on line transplant
12	Wash		10.0	262.7	
+09			8.4	264.3	
+25			4.9	267.8	
+50			2.2	270.5	
+65			1.7	271.0	
T.P.	11.78	284.32	0.15	272.54	

		284.32			
12+86	1' LT = 12	Focal Tree	15.4	268.9	Wash
13			14.2	270.1	"
+35			9.0	275.3	
+50	Wash		10.9	273.4	
+75	"		11.1	273.2	
+90			10.4	273.9	
14			7.8	276.5	
+25			4.9	279.4	
+40			3.6	280.7	
+70			2.5	281.8	
T.P.	12.46	296.78	0.0	284.32	
+95	Toe Fill		12.3	284.5	
"	5' RT. F.L. Culv.		16.74	280.04	outlet
15+12	Shoulde fill		2.5	294.3	
+35	"	"	1.9	294.9	
+46	ON	"	8.2	288.6	
"	6' RT F.L. 24" Culv.		11.20	285.58	INLET
+50	Toe Fill		10.4	286.4	
16			7.8	289.0	
+45			6.0	290.8	

		296.78			
16+56.35	INT. ℄ alley W of Menlo		4.37	292.41	STUB
13+30.67 = alley STA.					
T.P.	11.46	307.61	0.63	296.15	
T.P.	8.08	315.20	0.49	307.12	
T.P.	9.84	320.48	4.56	310.64	5+08.68, STUB
T.P.	0.02	307.66	12.84	307.64	℄ R.W. + alley ℄ of 46
T.P.	6.69	301.33	13.02	294.64	

Quince to Dwight

Alley E Levels W. of 46th

301.33 PI

0+00 = N.L. Quince		27.3	274.0	
0+06 Wash		29.5	271.8	
0+18 Toe RR Fill		28.7	272.6	on fill
0+36		18.3	283.0	
0+56.58 = 13°25' Lt.		13.85	287.48	"Stub
0+64		12.4	288.9	
0+67		17.4	283.9	
0+70		17.4	283.9	
0+78		12.8	288.5	
0+83		15.7	285.6	
0+87		8.2	293.1	
1		7.6	293.7	
+50		3.4	297.9	
+75		0.3	301.0	
T.P.	11.74	312.74	0.33	301.00
2+00			9.8	302.9
" 20' RT			17.0	295.7
+50			10.8	301.9
+80			7.7	305.0

Keep grade at least 1.5 below this

312.74

3+00			5.8	306.9
+50			2.8	309.9
T.P.	11.58	323.43	0.89	311.85
4			11.0	312.4
" 30 RT			10.8	312.6
+50			9.2	314.2
5			7.4	316.0
+04.11	℄ RW		6.6	316.77
+50			4.7	318.7
6			3.4	320.2
+50			2.1	321.3
T.P.	11.35	332.92	1.86	321.57
7			10.6	322.3
+50			9.3	323.6
8			8.2	324.7
+50			7.0	325.9
9			5.8	327.1
+50			5.4	327.5
10			4.3	328.6
+50			3.5	329.4
11			2.9	330.0

Keep grade 2.5 below

STUB

10+00 Grade 7' below

		332.97			
+50			3.7	329.7	
17			3.7	329.7	
+50			1.5	331.4	
13 +00			1.3	331.6	
T.P.	4.25	335.97	1.20	331.72	
13+00 85' RT.		Fl. El. Resid.	8.86	327.11	
+50			4.7	331.3	
14			5.4	330.6	
+50			5.0	331.0	
15			5.4	330.4	
+50			5.6	330.4	
16			6.4	329.6	
+50			7.1	328.9	
" 80' RT.		Fl. El. Resid.	8.9	327.1	
17			7.4	328.6	
T.P.	3.94	333.60	6.31	329.66	No. 1 Pole P.A. 3065
+25			4.7	328.9	
" 80' RT.			8.4	325.2	
+50			4.3	329.3	
18			3.9	329.7	

		333.60			
+50			3.9	329.7	
19			3.0	330.6	
4+24 = NC. Myrtle			2.8	330.8	
" 30' RT ground			3.3	330.3	
" 75 " "			4.3	329.3	← house to serve
" 117 " "			6.3	327.3	
" " "			4.8	328.8	Fl. El. Lowest House
+50			2.1	331.5	
20			3.0	330.6	
+35			4.4	329.0	
" 70' Rt. Fl. El.			5.3	328.3	Lowest of 2 houses
+65 P.O.T.			5.42	328.18	Stub
21			12.7	320.9	
+12			13.5	320.1	
T.P.	0.10	320.91	12.79	320.81	
+35			5.3	315.6	
+60			12.8	308.1	
T.P.	0.25	308.76	12.40	308.51	
+80			5.1	303.8	
22			5.1	303.7	
+40			4.4	304.4	
+5604 = 30+13.1		Canon Line	6.63.	302.13	Stub P.37 302.18

Quince to Dwight

Alley ℄ Levels E of 46th

Stub T.P. P41	2.74	313.38		310.64	5408.68
00 = N ℄ Quince			5.57	307.81 ~~308.21~~	Stub
+50			6.0	307.4	
1			6.1	307.3	
+50			5.9	307.5	
2			4.8	308.6	
"	65' Rt.	Fl. cl. of Resid.	11.1	302.3	
+50			4.8	308.6	
3			3.9	309.5	
+50			4.0	309.4	
4			4.3	309.1	
"	100 Rt	ground	13.0	300.4	
+50			4.2	309.2	
5 +08.28	5.03	315.67	2.74	310.64	Stub T.P.
+50			4.2	311.5	
6			3.5	312.2	
+50			3.7	312.0	

315.67

6 +50	100 Rt	ground	12.4	303.3	
7			4.1	311.6	
+50			5.0	310.7	
8			5.6	310.1	
"	106 Rt	Fl. El. Resid.	12.5	303.2	
+50			5.8	309.9	
9			5.7	310.0	
+50			5.7	310.0	
+65	40' Rt		8.5	307.2	Fl. El. Dwlg.
"	100 "		20.0	295.7	ground
10			6.6	309.1	
+50			7.5	308.2	
11			9.5	306.2	
"	80' Rt	House too Low for alley.			Canon connection Best Bet
+50			11.2	304.5	
T.P.	0.36	303.89	12.14	303.53	
11 +79	ground		0.4	303.5	Cut 7.0
12			1.7	302.2	
+30			1.8	302.1	
+38			5.3	298.6	

303.89

+50			4.9	299.0	
+60			6.7	297.2	
+80			9.3	294.6	
13			10.4	293.5	
+30.47 = 16+56.35		CANON LINE	11.45	292.44	297.41 J.M.H.
+50			12.5	291.4	
+80			5.4	298.5	
T.P.	13.03	315.83	1.09	302.80	
14 +20			7.8	298.0	
+50			5.5	310.3	
15			2.4	313.4	
T.P.	5.90	321.45	0.28	315.55	
+50			4.7	316.8	
16			1.7	319.8	
+50			2.8	318.7	
17			4.2	317.3	
+50			5.8	315.7	
18			7.3	314.2	
+20 P.O.T. stub			9.78	311.67	
+40			14.8	306.7	

321.45

T.P.	0.51	309.33	12.63	308.87	
+8			17.8	291.5	
19			24.1	285.2	
+N			27.1	282.2	
+4708 = 25+57.95			29.2	280.1	Canon
+75			27.4	281.9	
+80	+1.05		29.4	279.9	
+88	"		29.3	280.0	
20			24.4	284.9	
+20			18.4	290.7	
+50			5.1	294.2	
+65			2.3	297.0	
T.P.	12.77	321.52	0.58	308.75	
+80			11.9	309.6	
21 +30			4.4	317.1	
+38			1.2	320.3	
"	60' Lt.	ground	9.2	312.3	
+50			1.0	320.5	
T.P.	12.49	333.69	0.32	321.20	

333.69

22			10.0	323.7	
	+50		7.5	326.2	
23			4.4	329.2	
	+50		2.3	331.4	
24			0.6	333.1	
TP		7.34	340.57	0.46	333.23
	+50			6.1	334.8
	+95			5.0	335.6
25	+00.4	SL. DWIGHT		5.27	335.30 PAV.

✓

Quince to Dwight

alley & levels E of Menlo

alley E of 4Gth		310.33		307.81	
0+00 STUB	2.5	~~310.73~~		~~308.21~~	P 44
		299.57		297.66	
T.P.	1.91	~~299.97~~	12.67	~~298.06~~	
		289.55		288.16	
T.P.	1.39	~~289.95~~	11.41	~~288.56~~	
0+00 N/L QUINCE			3.44	285.89	STUB
+50			8.3	281.3	
1			11.4	278.2	
		276.51		274.49	
T.P.	0.02	~~276.91~~	13.06	~~274.89~~	
+50			0.9	275.6	
2			5.4	271.1	
+25			7.5	269.0	
+55			14.6	261.9	
		264.30		263.44	
T.P.	0.86	~~264.70~~	13.07	263.84	
+85			3.4	260.9	
3			4.4	259.7	
+20			9.1	255.2	
+40			14.1	248.2	
+50			15.8	248.5	
+70			10.6	253.7	

~~264.70~~
264.30

4			7.7	256.6	
+25			11.2	253.1	
+50			10.4	253.9	
5			7.8	256.5	
+13.14	E Redwood		7.21	257.09	STUB
+50			10.5	253.8	
6			8.4	255.9	
+50			8.5	255.8	
		268.24		256.24	
T.P.	12.0	~~268.66~~	8.0	~~256.66~~	
7			15.5	252.8	
+13			16.4	252.1	
+17	Wash		20.2	248.1	
+27	"		18.8	249.5	
+50	"		17.0	251.3	
+60			14.8	253.5	
+83			13.4	254.9	
				260.66	260.65
8+03 = 10+30.29			7.60	~~260.66~~	Centerline
		280.47		267.84	
T.P.	14.81	~~281.07~~	0.60	~~268.26~~	
+62			5.70	274.97	
+62	Top 8"	Conc. Wall	0.85	279.82	

		280.67		
		~~281.07~~		
T.P.	1.30	~~293.54~~ ~~293.94~~	0.17	280.50 ~~280.40~~
9			9.8	283.7
+50			5.5	288.0
T.P.	12.28	302.76	3.06	~~290.48~~
10			10.9	291.9
" 60' Rt Fl. of House			11.1	291.7
+50			7.8	295.0
11			5.3	297.5
+50			3.5	299.3
12			3.4	299.4
+33.2	NL Thorn		4.5	298.3
+50			6.2	296.6
+75			7.5	295.3
13			10.7	292.1
T.P.	0.88	291.10	12.54	290.22
+40			6.3	284.8
+75			9.5	281.6
14			13.1	278.0
T.P.	0.94	279.57	12.47	~~278.63~~

279.57

+30			4.6	275.0
+50			8.0	271.6
+45			12.2	267.4
15			16.1	263.5
+20			19.0	260.6
+30.9 = 20 + 19.24 Gauge			19.2	260.4
+38			19.2	260.4
+40	Wash		21.7	257.9
+54	"		21.8	257.8
+60			17.8	261.8
16			5.4	274.2
+12			0.6	279.0
T.P.	12.89	291.86	0.60	~~278.97~~
+30			10.2	281.7
+50			15.7	276.2
+75			14.0	277.9
17			11.9	280.0
+30			8.8	283.1
T.P.	11.47	303.27	0.06	~~291.80~~
+60			10.2	293.1

303.27

+85		12.2	291.1	
18+10	wash from E	20.4	282.9	
+20	" " "	18.1	285.2	
+60		0.3	303.0	
T.P.	12.8	316.09	0.00	303.27
19			2.0	314.1
T.P.	14.89	328.85	0.13	315.96
+50			6.5	322.4
20			2.7	326.2
+50			0.2	328.7
T.P.	12.4	340.64	0.63	328.24
+75			11.2	329.4
" 75'	LT. fl. el. house		13.2	327.4
21			10.7	329.9
+50			9.1	331.5
22			11.4	329.2
+50			6.6	334.0
23			5.4	335.2
+50			4.1	336.5
24			2.8	337.8

340.64

+50			1.5	239.1	
+80			0.9	339.7	
24+97.39	SL Dwight		2.3	338.3	ON. Pav.
T.P.	484	843.91	1.57	339.07	
check to alley West P.24		8.2	335.39	335.30	
T.P.	279	337.10	9.60	334.31	

Alley E of 47th

beg. 44.67 S of St. Dwight

Fred to get canon line heading SEly from here

Pvg 337.10

Note! Levels backed in on Sta.

24 +50			32.5	304.6	
24			23.4	313.9	
23 + 88			19.7	317.4	
23 + 75			17.5	324.6	
23 + 50			7.0	330.1	
23 + 20			3.5	333.6	
23 House 25' W is served			3.4	333.9	O.E. Here
+50			1.0	336.1	
T.P.	24	338.51	0.75	334.35	
22			1.4	337.1	
+50			1.8	336.7	
21			2.5	336.0	
" 75 W Tel. house			2.9	335.6	
+50			2.5	335.0	
20			5.8	332.7	

338.51

+50			7.4	331.1	
" 80' W Tel. House			8.8	329.7	
19 +17.5	NL Myrtle		8.9	329.6	
19			9.5	329.0	
+50			11.6	326.9	
18			13.9	324.6	
T.P.	0.45	326.21	12.75	325.76	
+50			3.3	322.9	
17			4.7	321.5	
+50			7.9	318.3	
16			11.3	314.91	
+50			16.0	310.2	
T.P.	0.60	313.68	12.93	313.18	
+30			8.2	305.5	
15			10.1	303.6	
" 6' E			15.1	298.6	
14 +70			8.8	305.4	
+50			9.7	304.0	
T.P.	0.39	301.19	12.88	300.80	
14			1.4	299.6	

		301.19		
13+50			6.5	294.7
13			12.3	288.9
T.P.	0.49	288.83	13.05	288.14
12+80			6.6	282.2
12+60			14.6	274.2
T.P.	0.34	276.45	12.72	276.11
12+37.60	NL	Thorn Myrtle	8.9	267.6
0+00	Line to M.H.		8.9	267.6
0+25			6.4	270.1
0+55			10.1	266.4
0+75			16.0	260.5
See P 35 for bal. of levels				
See P for d.f. Layout				
12+25			12.1	264.4
12+05			21.5	255.0
11+97.60	E Thorn		21.7	254.8
11+85			22.3	254.2
11+75			18.5	258.0
11+60			12.1	264.4

& Thorn & CANYON LINE

		276.45			
11+50			8.1	268.4	
11+30			6.3	270.2	
11			9.2	267.3	
T.P.	0.52	263.98	12.99	263.46	
10+60			0.0	264.0	along hill side approx 60%
+45			4.5	259.5	
+25			8.9	255.1	
10			14.6	249.4	
T.P.	1.81	253.16	12.03	251.35	
+50			7.3	245.9	
+25			8.8	244.4	
9			11.7	241.5	
+75			14.0	239.2	
T.P.	0.45	240.56	13.05	240.11	
+25			4.7	235.9	
+12			6.2	234.4	
8	Wash		10.8	229.8	
+90			9.4	231.2	
7+63.12 = 11+70.94			10.45	230.11	230.03
+50			10.9	229.7	

		240.56			
+45	Wash		12.1	228.5	
7	"		12.2	228.4	
+85			13.4	227.2	
+65			11.6	229.0	
+50			11.9	228.7	
6			12.4	228.2	
5 +50			11.5	229.1	
5 +17.67	& Redwood		9.9	230.7	
4 + 84.67	5.7 Redwood		7.09	233.47	STA 4
4 +75			5.3	235.3	
T.P.	11.88	251.67	0.8	239.74	
4 +30			0.9	250.7	
T.P.	5.38	256.95	0.05	251.57	
4			1.9	249.7	
+75			1.0	250.6	
+50			1.2	250.4	
3			2.9	248.7	
+75			5.0	246.6	
+50			7.1	244.5	
2			14.2	237.4	
T.P.	0.07	243.97	1.05	243.90	

		243.97			
1+75			6.3	237.7	
+50			10.9	233.1	
T.P.	0.43	231.50	12.90	231.07	
+25			2.7	228.8	
1			5.7	225.8	
+25			6.5	225.0	
+50			10.7	220.8	
T.P.	0.27	218.77	13.00	218.50	
+15			8.0	210.8	
00 = N.L. Quince			9.2	209.6	
-12.44 = 1+15		Canon L. No	10.03	208.74	208.61
					0.13
					Not good
					Please check
					add. + Sub.
					√ + √√

OPTION #2 P 31 for #1

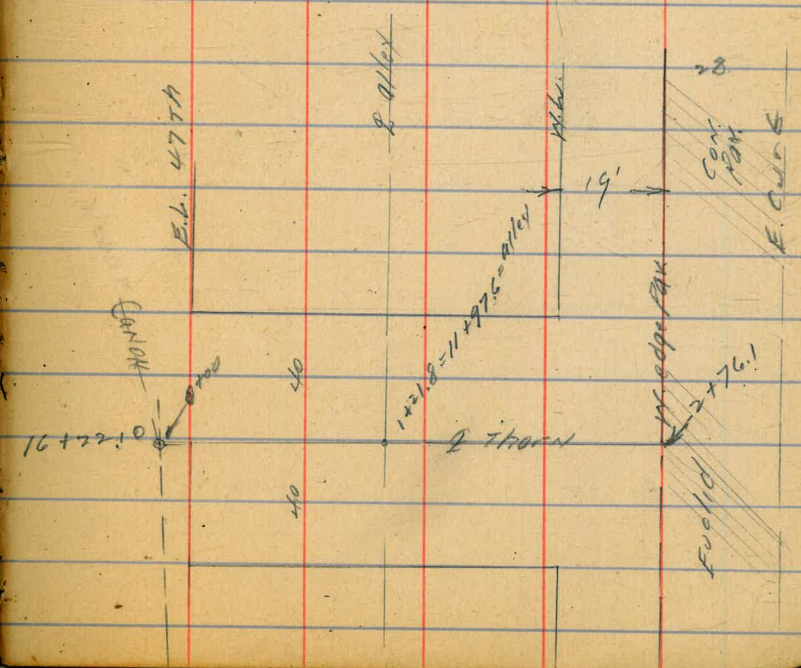
16+22.10 Cañon Ely to W. edge

Euclid Par.

16+22.10=00	11.88	259.32		247.44	Stub
0 +10			9.9	249.4	
0 +50			4.2	255.1	
0 +75			3.4	255.9	
1			3.5	255.8	
+21.8 = ℄ alley = 11+97.6			4.6	254.7	wash
+30			3.9	255.4	
+50			2.2	257.1	
T.P.	12.73	271.69	0.36	258.96	
+65			9.0	262.7	
+90			3.7	268.0	
2 +05			1.1	270.6	
+06	wash		4.0	267.7	
+10	"		4.4	267.1	
+13			0.0	271.7	
T.P.	12.87	284.49	0.07	271.62	
+15			12.0	272.5	
+30			7.8	276.7	

284.49

2+40 Too Fill			3.5	281.0	
T.P.	12.43	296.44	0.50	283.99	
2+60			5.0	291.4	
T.P.	12.24	308.45	0.21	296.21	
2+70			9.0	299.5	
2+76.1	⊙ Thence N. on W. edge Par.		9.81	298.64	Par.
3			9.26	299.19	"
+50			7.26	301.19	"
4			4.52	303.93	"



		308.45			
4+50	Pav.		1.64	306.81	
T.P.	11.97	320.15	0.27	308.18	
5	Pav.		10.46	309.69	
5+50			7.58	312.62	
6			4.62	315.53	
check to 6+00 P.O.			5.3	314.85	314.91 (No. B.M. or Tuco)

x See. Alley. Blk. 1 City Hts Annex 1.

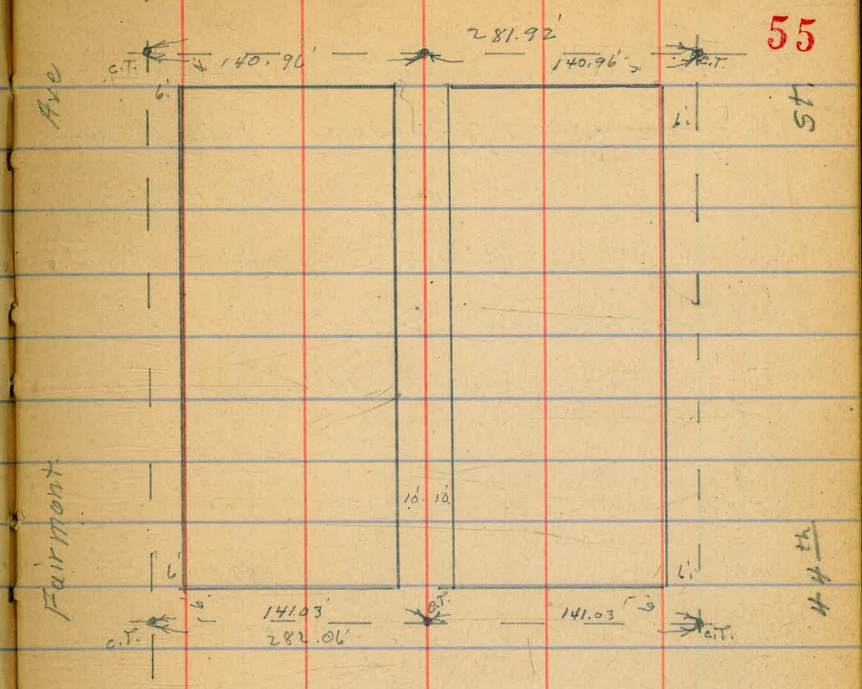
Miller etc 8-23-39 AEB

B.M. B.P.	5.06	363.31		358.25	N.W. Univ & Van Dyke
T.P. 6' e.f.	5.28	364.54	4.05	359.26	N.E. 43rd & Univ.
B.M. B.P.			5.66	358.88	S.W. Univ & Fairmont & Alley
T.P. C.T.	6.09	363.84	6.79	357.75	6' S. N line Univ
	15' S. of N. Line = N. of Univ				
E. of			5.80	358.04	
C. pav.			6.46	357.38	
℄ "			6.36	357.48	
W "			6.27	357.57	
W. of			5.57	358.27	
	5' S. of N. Line				
W. of			5.40	358.44	
W pav			5.86	357.98	
℄ "			6.05	357.79	
+9.7 "			5.97	357.87	
+9.7 of N. End.			5.72	358.12	
	9+00 = N. Line Univ.				
℄ +0.3 pav N. End.			5.78	358.06	
℄ " " "			5.99	357.85 ~~357.37~~	
W " " "			5.68	358.16	S.E. Cor Stucco Bldg
W of " "			5.37	358.47	

{Bottom S. End 4" C.I. Drain Pipe

Indexed C.S.K.

55



0+21

W. - 0.2 E. Wall Bldg.	4.8	359.6	
4" Downspout into Drain			
W + 0.2 = E. Edge above 4" Drain	4.81	359.03	Top of Drain
℄	5.3	358.5	
E	5.6	358.2	
+3	5.6	358.2	

363.84

From 0+30 to 0+42 Rack of Gas. Meters on W. 0.8' in Alley

0+52 N. End 4" Drain on W at Downspout. 0.3 in Alley
W. Top of 4" C.I. Drain 4.50

from 0+42 to 0+54 gas pipes on W. 1.0' in Alley

from 0+54 to 0+55.6 Stucco Bultress on Bldg 0.8' in Alley

0+58 ℄ Theatre Exit Door on W.

0+58 S. End 4 garages one dirt floors 1.4 Back

E-10	5.5	358.3
E-1.4 = S. End	5.4	358.4
E	5.2	358.6
℄	5.0	358.8
W	4.9	358.9
+0.1 floor of Exit	4.68	359.16

0+62.5 9.3' W of ℄ = W. edge Elec Pole

0+63.5 S. End. Rack of Gas Meters 1.7 in Alley

0+73 N. " " " " " 1.0 " "

0+96 = { Tel Co Guy Wire Dead Man 0.8 in Alley
N. End 4 garages one E. 1.4 Back

E-1.4 dirt floor.	5.6	358.2

363.84
1+60

W-2	5.0	358.8
℄	5.1	358.7
E	5.2	358.6
+2	5.7	358.1
+10	5.8	358.0

1+05. Theatre Exit Door

0.1 W. of W. Line floor

N. End Stucco Bldg
1+09 S. " garage door on W Not in use 0.5 in Alley

1+14 9.4 E of ℄ E. edge Tel Pole

1+21 Garage Bldg on W. line

1+30

E-10.	6.1	357.7
E.	5.7	358.1
℄	5.4	358.4
W	5.4	358.4

1+42 garage one cone floor 5.8 Back.

W	5.1	358.7
℄	5.5	358.3
E	6.0	357.8
+5.8 = floor	6.25	357.59

1+48 9' W of ℄ = W. side Elec Pole		
1+52 9.5' E of ℄ E " Tel "		
1+50		
E - 15	7.5	356.3
E - E	6.3	357.5
E	5.6	358.2
℄	5.5	358.3
W	5.3	358.5
+10	5.0	358.8
1+91 Garage on E. conc floor 3.5 Back		
E - 3.5 = floor	6.56	357.26
E - 20. E. of garage	7.8	356.1
2+00		
W	5.8	358.0
℄	6.3	357.5
E.	6.5	357.3
+5	7.5	356.3
+20	7.4	356.0

2+04 garage on W wood floor 4.9' Back		
W - 4.9 = floor	5.8	358.0
2+20		
E - 14. Wedge House	7.7	356.1
E - 7.	7.5	356.3
E - 6	6.6	357.2
E	6.5	357.3
℄	6.5	357.3
W	6.3	357.5
+6 = E side House	6.7	357.1
2+37. double garage on E conc floor 9.8 Back		
E - 9.8 = floor	6.67	357.17
2+48 1.1 E. of W = W. edge Elec Pole		
2+50		
W - 6. ground to S.	7.5	356.3
W - 6 " " N	6.7	357.1
W. " " "	6.7	357.1
W " " S	7.3	356.5
+2 " " " N	6.7	357.1
℄	6.7	357.1
E	6.7	357.1

363.84

2+50 conc.

E +3		4.7	357.1
E +10		8.0	355.8
T.P.	4.47 361.64	6.67	357.17

2+78 double garage on w. conc. floor 3' Back

E -25.		6.6	355.0
E -10.		5.3	356.3
E		4.2	357.4
℄		4.8	356.8
W		4.4	357.2
+3 = floor		4.20	357.44

2+81 S. End. double garage on E. conc. floor 4.1 Back

E. -4.1 = floor		4.52	357.12

2+99 N End above garage one E

E -4.1 = floor.		4.75	356.89

0.5 W. of E. Line = E. edge Tel Pole

3+00 = S. End. garage on w. conc. floor

W -20		4.1	357.5
N-	= floor.	4.70	356.94
W		4.8	356.8

361.64

℄		4.8	356.8
E		4.8	356.8
+ 2.5		4.9	356.7
+ 20.		6.0	355.6

3+30

E -20.		6.0	355.6
E - 5.		6.0	355.6
E.		5.0	356.6
℄		5.1	356.5
W.		5.0	356.6
+ 10.		4.8	356.8

3+40 = garage one. dirt floor 0.8' Back

E -0.8 = floor.		5.0	356.6

3+48. 9.5 W of ℄ = W. edge Elec Pole.

3+50.

W -10.		4.6	357.0
W.		4.8	356.8
℄		5.2	356.4
E.		5.0	356.6
+ 0.8		5.0	356.6
+ 1.0		5.6	356.0
+ 15.		5.8	355.8

3+61 garage one. wood floor		0.4 Back	
E - 0.4 = Door		4.85	356.79
3+70			
E - 1.5		6.0	355.6
E - 0.5		5.8	355.8
E		5.2	356.4
℄		5.1	356.5
W		5.0	356.6
3+84			
E - 0.6 = W. End. conc. walk		6.2	355.4
4+03 9.8' E. of ℄ = E. Edge Tel Pole			
N. End. American Legion Hall		0.5 Back	
4+06 E. " Double garage one. conc. floor		0.4 Back	
W - 1.0.		3.4	358.2
W - 0.5 Top. S. End.		3.32	358.32
W		4.8	356.8
℄		4.8	356.8
E		4.9	356.7
+ 0.4 = floor		4.90	356.74
+ 1.0 dirt to S. of garage		5.5	356.1
+ 1.0. " " " "		5.6	356.0

4+29 N. End above Garage one. S. Edge conc Drive			
E - 0.9 conc. Drive to N.		4.8	356.8
E - 1.0. " " " "		4.72	356.92
E - 0.4 floor to S.		4.82	356.82
E		4.8	356.8
℄		4.9	356.7
W		4.7	356.9
4+48			
E + 1.		5.0	356.6
E + 1.0.		5.1	356.5
4+55 garage one. E. one floor		2.5 Back	
E - 2.5 = floor		4.74	356.90
4+74 9.3' W of ℄ = W. side Elec Pole			
4+75			
W		4.5	357.1
℄		4.5	357.1
E		4.7	356.9
+ 1.0		5.2	356.4
T.P.	4.92	362.13	4.43	357.21

362.13

4+99 N. End. above Conc. wall on W.

E - 10 yard to S.	5.0	357.1
E - 10. " " N	5.4	356.7
℄	5.0	357.1
℄	4.9	357.2
W	4.7	357.4
+ 0.5 Top. wall	3.58	358.55
+10.	4.2	357.9
5+50		
W-5	3.8	358.3
W	4.2	357.9
℄	4.5	357.6
E	4.8	357.3
+ 2	5.1	357.0
+10	5.3	356.8

5+54. garage on E. conc. floor 1.0' Back

E - 1.0 = floor.	4.81	357.32
5+75		
E	5.0	357.1
℄	4.8	357.3
W	4.5	357.6

362.13

5+90

W	4.7	357.4
℄	5.3	356.8
E	5.6	356.5

5+98 ℄ = S. Line Polk Ave

9.8 E of ℄ = E el. s. end	5.96	356.17
" " " pav " "	6.08	356.05
℄ " " "	6.00	356.13
W. " " "	5.55	356.58
W. el. " "	5.35	356.78

6.5' N. of S. Line = S. el. line

W. el	5.49	356.64
W. pav "	5.95	356.18
℄ "	6.24	355.89
E " No el. in drive.	6.43	355.70

chk. Top. el { N. Line Polk. / W. " Alley } 5.33 356.80 = 356.91

Book 556-P.55
Elev. from BM
BP. NW. 44th
& Orange Ave.

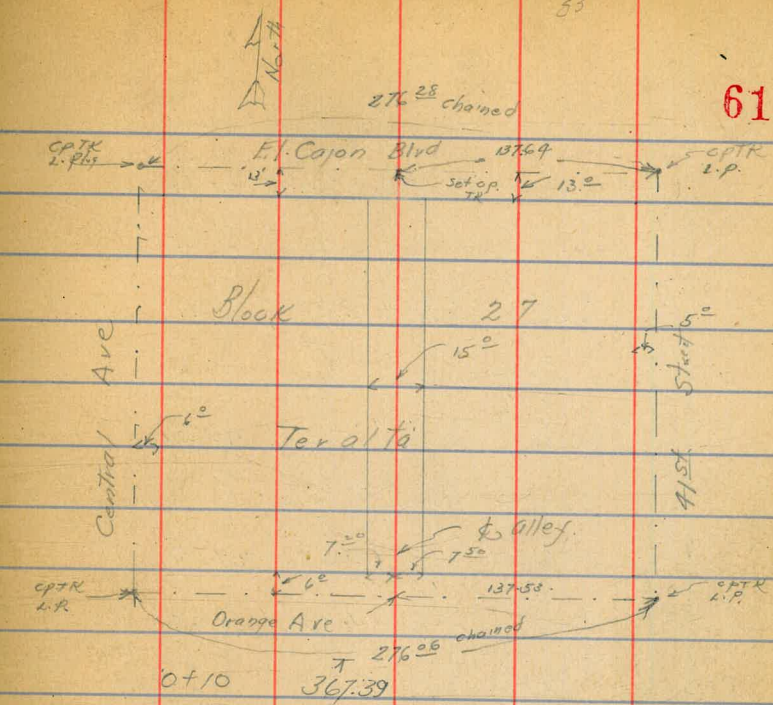
Bliss
Isbell
Chapman
12-18-39

Indexed
C.S.K

Sub. Blocks K & L

X. Section Alley Block 27 Teralta
Central + 41st. Orange to El Cajon
15' Alley

	+	⊼	-	Elev	
B.M. N.W.B.P. Orange + 41st	4.58	367.39		362.81	
	Section on North Gutter Line of Orange				Orange Ave is unpaved 14' South of North Line
W-83 on Paving			4.44	362.95	
W on Ground			4.9	362.5	
W. Top cb			4.30	363.09	
℄ on Ground			4.8	362.6	
E on Ground			4.9	362.5	
E Top Cb			4.40	362.99	
E + 132.50 on Paving			5.24	362.15	
	Section 1.5 South of N. Line				Curbs are 1.5 Shy of Reaching N. Line
E Top cb 7.50	Dist from ℄ to actual cb face		4.21	363.18	
℄			4.3	363.1	
W. Top cb. 7.20	Dist from ℄ to actual cb face		4.00	363.39	
	0+00 N. Line of Orange				0+00 Fence starting at 0+00 is 0.2 in alley at 0+00
W			3.9	363.5	
℄			4.3	363.1	
E			4.2	363.2	
	0+10				
E			4.1	363.3	



℄			4.0	363.4
W			3.8	363.6
	0+30 Dead Man Lt Pole		6.3 West of ℄	
	0+47 1.5 Walk on East			0.3 Back
	0.3 Back ℄ Walk		3.57	363.82
	0+50			
W			3.5	363.9
℄			3.6	363.8
E			3.6	363.8
E+10			3.5	363.9

367.39

0+51 4" Pole on West. West Face			7:1 from ℄ Dia 1.2	
			Runs from 0+51 to 0+59.	
0+59 End of Short wire fence on West 0.7 in all ±				
T.P	4.97	369.04	3.32	364.07
			3.8 Back	
0+93 Single Garage on East Concrete Floor				
℄ on Concrete Floor		5.06		363.98
			3.6 Back To Concrete lip	
0+98 Single Garage on West 1½" Back To Garage.				
W-3.6 on lip ℄		4.69		364.40
W-11" ℄ on concrete floor		4.79		364.25
1+00				
E-5		4.7		364.3
E		4.8		364.2
℄		4.9		364.1
W		4.9		364.1
W+5		4.8		364.2
1+09 Single Garage on West 6.5 Back to Garage				
℄ on Concrete Floor		4.43		364.57
			1.9 Back to Con. Lip.	
1+09 Single Garage on East 4.2 Back to Garage				
℄ Lip Concrete		5.04		364.60
℄ on concrete floor		4.95		364.69

369.04

		Concrete Floor	
1+20 Single Garage on East 4' Back			
℄ on concrete Floor	4.85		364.19
		7" Back	
1+30 Walk on West 1" wide			
W-7 ℄ concrete walk	4.47		364.57
W-5	4.5		364.5
W	4.3		364.7
℄	4.3		364.7
E	4.4		364.6
E+2	3.9		365.1
E+10	4.8		364.2
E+35	5.2		363.8
		6E Back	
1+40 Single Garage on West Concrete Floor			
℄ on concrete Floor	4.42		364.62
E-12.5 in Gutter of 4" St.	6.52		362.52
Topch	5.96		363.08
E-10.5	5.4		363.6
E-50	5.2		363.8
E-30	5.3		363.7
E-10	5.0		364.0

		⊼ 369.04		
1+55				
E			4.7	364.3
℄			4.5	364.5
W			4.4	364.6
W+10			4.6	364.4
+25			4.7	364.3
+30			4.8	364.2
+50			4.2	364.8
1+63 Walk on West			1.5 Wide on line	
℄ of concrete walk			4.72	364.32
2+00				
W-25			4.5	364.5
W			4.5	364.5
℄			4.5	364.5
E			4.1	364.9
E+10			4.5	364.5
+25			4.5	364.5
2+02 Light Pole on West			7.2 from ℄ to West Face 1.1 dia.	
2+12				
E-5			4.2	364.8

		⊼ 369.04		
2+12				
E			3.9	365.1
℄			4.2	364.8
W			4.0	365.0
W+8			4.2	364.8
+15			5.2	363.8
+40			4.1	364.9 Note: This lot is not built on and a ditch drains the water to Central Ave.
2				
2+16 ℄ Dbl Garage on East			7.2 Back Dirt Floor	Not in use
℄ on dirt floor			4.2	364.8
2+40				
W-25			4.4	364.6
W-15			5.0	364.0
W			4.7	364.3
℄			4.4	364.6
E			4.2	364.8
E+5			4.0	365.0
T.P.	5.22	370.28	3.98	365.06

	⊼ 370.28	
2+59 Single Garage on East	Lip 2° Back Garage 4.9 Back	Concrete Floor
℄ Lip	5.51	364.77
℄ Concrete Floor	5.36	364.92
2+75		
E-5	5.2	365.1
E	5.2	365.1
℄	5.3	365.0
W	5.1	365.2
W+10	4.8	365.5
2+95 Single Garage on East	96 Back Concrete Floor	
W-10	4.8	365.5
W	5.1	365.2
℄	5.2	365.1
+5	5.2	365.1
E	4.8	365.5
℄ on Concrete Floor	4.62	365.66
3+00 Lt. Pole on West 7' ℄ to West Face 1° Dia		
3+00		
E-25	5.2	365.1
E-10	5.2	365.1

	⊼ 370.28	
3+00		
E	4.9	365.4
+3	5.0	365.3
℄	5.3	365.0
W	5.2	365.1
W+5	4.9	365.4
3+12	Note this section Has a vacant lot to East	
W-5	4.2	366.1
W	4.7	365.6
+5	5.2	365.1
℄	5.2	365.1
E	5.2	365.1
E+10	5.3	365.0
3+32		
E-10	4.9	365.4
E	4.5	365.8
℄	4.9	365.4
W	4.5	365.8
W+10	4.5	365.8
3+59 Soil Pipe of House 0.3 in alley		

	↑ 37028		
3+75			
W-10	4.7	365.6	
W	4.9	365.4	
℄	5.0	365.3	
E	4.7	365.6	
4+00			
E-15	5.2	365.1	
E	4.8	365.5	
℄	4.8	365.5	
W	4.8	365.5	
W+10	4.5	365.8	
4+01 Lt. Pole on West 68 ℄ to West Face 0.8 in diameter			
4+25			
W-5	4.8	365.5	
W	4.9	365.4	
℄	5.0	365.3	
℄-5	4.7	365.6	
E	4.7	365.6	
E+15	4.9	365.4	
+25	5.1	365.2	

	↑ 37028		
+30	4.8	365.5	
4+50			
E-10	5.0	365.3	
E	4.9	365.4	
℄	5.2	365.1	
W	4.8	365.5	
W+10	4.6	365.7	
4+75			
W-10	4.8	365.5	
W	4.6	365.7	
℄	4.9	365.4	
E	4.9	365.4	
E+10	5.3	365.0	
E+20	5.2	365.1	
E+30	5.0	365.3	
5+00			
E-30	5.0	365.3	
E-20	5.4	364.9	
E-5	5.0	365.3	

T
370·28

	5+00			
W-	E		4·6	365·7
W	℄		4·6	365·7
℄	W		4·4	365·9
E	W+10		4·5	365·8
	5+00 Lt Pole on West		West Face 7·5 from ℄	0·8 Dia
E-	5+08			
E	W-10		4·2	366·1
℄	W		4·2	366·1
W	+3		4·5	365·8
W+	℄		4·6	365·7
	+3		4·6	365·7
	+4		4·4	365·9
W-	E		4·5	365·8
W	E+10		4·6	365·7
℄	5+16 Dead Man Lt Pole		7·3 ℄ to center of Guy	
℄	5+24 S End Concrete Driveway to West			
E	E-35		4·6	365·7
E	E-25		5·0	365·3
+	E-10		4·6	365·7

T
370·28

1 E		4·0	366·3
+3		3·7	366·6
℄		4·2	366·1
W		4·2	366·1
W+4·3	on concrete Driveway	4·79	365·49
W+8·3	Broken concrete Driveway	4·58	365·70
		# This Driveway runs clear through to Central	
5+41	North End of concrete Driveway on West		
W-8·3	Broken driveway	4·57	365·71
W-4·3	on concrete Driveway	4·75	365·53
W		4·8	365·5
℄		4·8	365·5
E		4·7	365·6
E-10		5·0	365·3
E-25		5·0	365·3
E-35		4·9	365·4
			Not in use
5+48	Single Garage on East	0·5 Back	Board Floor
℄	on Board Floor	4·8	365·5
	5+60		
E		5·1	365·2

				T 370.28	
	℄		5.3	365.6	
	W		5.1	365.2	
	W+10		4.9	365.4	
		6+00			
	W		5.4	364.9	
	℄		5.6	364.7	
	E+4		5.5	364.8	
	E		5.2	365.1	
	T.P.	4.89	369.76	5.91	369.87
		6+06.97	S Line El Cajon Blvd.		
	E Top Cb			4.96	364.80
	Gutter			5.12	364.64
	℄			5.32	364.44
	W Gutter			5.00	364.76
	W Top Cb			4.92	364.84
		Section in Gutter of El Cajon Blvd. 20' W of S Line			
	W-12.5			5.45	364.31
	W-15			5.62	364.09
	W			5.60	364.16
	W Top Cb			5.35	364.41

				T 369.76	
	℄		5.57	364.19	
	E		5.60	364.16	
	F Top Cb		5.26	364.50	
	E+15 in Gutter		5.62	364.14	
	E+60		5.66	364.10	
	E+75		6.01	363.75	
	check BM SW BP El Cajon + Central		5.11	364.65 364.66 B.M. 0.01 error	

Levels on Intersection of 16th & Nat'l. Ave

NWBP	5.60	9.40		3.80	16th Nat'l.
SL Nat'l – 20					
W cb			6.24	3	16
gut			6.75	2	65
1/4			6.39	3	01
C			6.16	3	24
1/4			6.19	3	21
gut			6.39	3	01
E cb			5.67	3	73
S.L. Nat'l.					
E cb			5.50	3	90
gut			6.30	3	10
1/4			5.93	3	47
C			5.79	3	61
1/4			6.14	3	26
gut			6.64	2	76
W cb			6.12	3	28

Notes Red. 11/18/40 CBH

Nat'l. = 80' wide, 14' obs, 13' 1/4 s

INDEXED EFB

Indexed C.B.H

(16th = 60, 10 obs, 10 1/4)

Moore 3-25-40.

68

℄ SW Ret					
cb			6.09	3	31
gut			6.40	3	00
℄ SE Ret					
cb			5.48	3	92
gut			6.08	3	32
S cb Nat'l.					
–10 in drive			6.66	2	74 gut
WL cb			6.01	3	39
" gut			6.62	2	78
cb			6.39	3	01
1/4			6.08	3	32
C			5.71	3	69
1/4			5.69	3	71
cb			5.95	3	45
EL cb			5.52	3	88
" gut			6.02	3	38
+10 "			5.89	3	51
" cb			5.27	4	13

9.40

S 1/4 of Nat'l.

-10	5.24	4 16
E	5.61	3 79
c6	5.75	3 65
1/4	5.67	3 78
C	5.58	3 82
1/4	5.99	3 41
c6	6.34	3 06
W	6.35	3 05
+10	6.13	3 27

E Nat'l

-10	5.84	3 56
W	6.15	3 25
c6	6.28	3 17
1/4	5.86	3 54
C R I M M H.	5.38	4 02
1/4	5.50	3 90
c6	5.60	3 80
E	5.33	4 07
+10	4.87	4 58

940

N 1/4 Nat'l

-10	4.74	4 66
E	5.16	4 24
c6	5.41	3 99
1/4	5.38	4 02
C	5.37	4 03
1/4	5.81	3 59
c6	6.18	3 22
W	6.15	3 25
+10	5.94	3 46

N c6 Nat'l

-10 c6	5.60	3 80
" OUT	6.19	3 21
W "	6.07	3 38
" c6	5.67	3 78
c6	6.07	3 33
1/4	5.66	3 76
C	5.23	4 17
1/4	5.27	4 18
c6	5.23	4 17

940

E cb	4.51	489
" qvT	5.08	432
+10 "	4.83	457
" cb	4.28	512
L NW RET.		
cb	5.58	382
qvT	5.98	342
L NE RET		
cb	4.58	482
qvT	5.10	430
NL ANTL.		
E cb	4.57	483
" qvT	5.09	431
1/4	5.01	439
C	5.0x	436
1/4	5.60	380

940

W qvT	6.05	335
W cb	5.60	380
NL ANTL. +20		
W qvT	5.87	353
1/4	5.18	422
C	4.75	465
1/4	4.75	465
qvT	4.95	445
E cb	4.90	510

Cross Section 20' Strip
At Eagle St. South of Douglas St.

INDEXED EFB

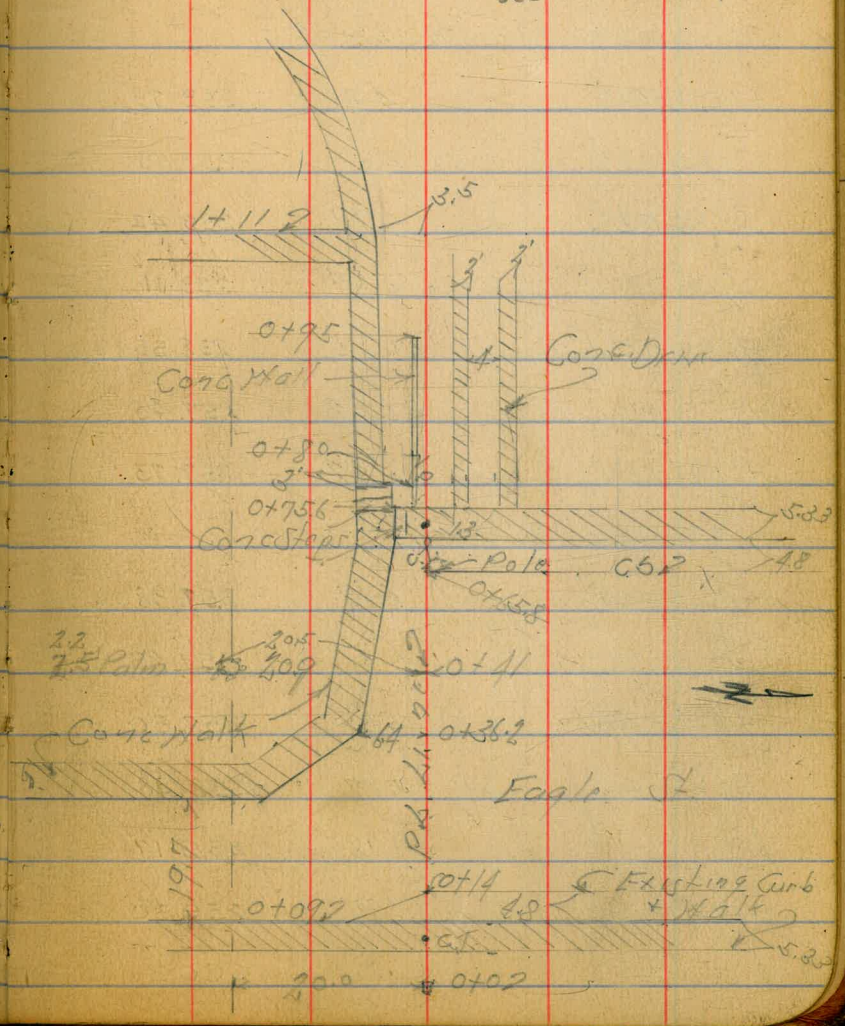
Indexed C.B.H.

Nov. 16-40
Sisson
Northern
W Moore

BM	1.35	264.41		263.06	N.E.B.P. Washington & Eagle
TP	5.23	264.15	5.49	258.92	
	0+0 = E.L. Eagle				
N			6.3	257.9	
S			4.4	259.8	
	0+09 = Wly Edge Conc Walk				
-10 on Cb			4.71	259.44	
-10 Gut			4.98	259.17	
S on Cb			5.18	258.97	
Gut			5.47	258.68	
℄ on Cb			6.02	258.13	
Gut			6.20	257.95	
N on Cb			6.74	257.41	
	0+14 = ECb of Eagle From N				
-10 on Cb			6.96	257.19	
Gut			7.31	256.84	
N on Cb			6.85	257.30	
Gutter			7.32	256.83	

Green profile 12/9/1943

[note see book 1437 p.78]



Cp

264.15

℄ on Pav	6.10	258.05 ✓	
S " "	5.27	258.88 ✓	
+10	4.81	259.34 ✓	
0+29 = W C6 on S			
-10 = C6	4.36	259.79 ✓	
Gut	4.60	259.55 ✓	
S C6	4.73	259.42 ✓	
Gut	5.04	259.11 ✓	
℄ on Pav	5.65	258.55 ✓	
N " "	6.69	257.46 ✓	
+10 " "	6.42	257.73 ✓	
0+36.2			
-10 on Pav	6.17	257.98 ✓	
N " "	6.32	257.83 ✓	
+6.4 = Gut	5.65	258.50	
+6.4 = C6	5.17	258.98	
℄	4.98	259.17 ✓	
+4 = S/y Walk	4.85	259.30	
S	4.0	260.2 ✓	

264.15

0+65.8			
-6 = N/y House	2.6	261.6	
S	2.6	261.6 ✓	
℄	3.6	260.6 ✓	
+6 = N/y Conc Walk	3.88	260.27	
N on C6	5.07	259.08 ✓	
N Gutter	5.74	258.41 ✓	
+10 Top C6	5.06	259.09 ✓	
+10 Gut	5.70	258.45 ✓	
0+75.6 = N/y Conc Walk			
-10 on Walk	4.97	259.18 ✓	
N " "	4.92	259.23 ✓	
+1.5 Top Step	3.49	260.66	
℄	3.8	261.4 ✓	
S	1.8	262.4 ✓	
TP 6.79	261.74	3.20	260.95
0+80.5 = Top Step			
-6	5.5	262.2 ✓	
S	5.5	262.2 ✓	

26774

℄	5.7	2620 ✓	
+5 = ℄ Walk	5.16	262.58	
+9 on Conc Wall	5.41	262.30	
H	6.3	261.4 ✓	
+1 = Sly 2 Rib Br.	7.29	260.45 ✓	
+8 = Hly " "	7.37	260.38 ✓	
0+95			
-7.5 = Hly 2 Rib Br.	4.60	263.14 ✓	
H	4.4	2633 ✓	
+1 = Hly Conc Wall	4.25	263 49	
+5 = ℄ Conc Walk	4.68	263 06	
℄	4.5	263 2 ✓	
S	4.6	263 1 ✓	
+3.5 = Hly House	4.6	2631 ✓	
1+11			
S on Porch Floor	3.7	2650	
+5 = Sly Conc Walk	4.40	26334	
℄	4.4	2633 ✓	
+6.5 = Hly Conc Walk	4.38	26338	

26774

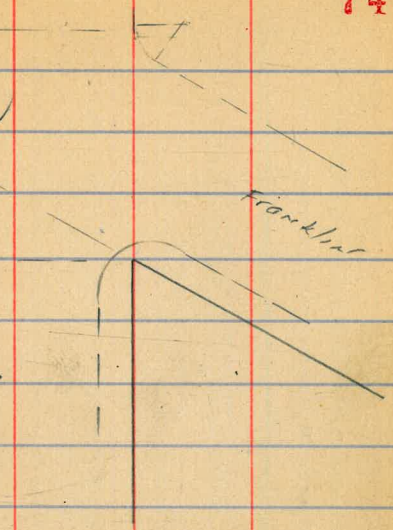
H		4.4	2633 ✓	
+0.3 = Sly 2 Rib Br.		4.27	263 47	
+7 = Hly " "		4.25	263 49	
TP	5.39	26431	8.82	258.92
B.M.			1.25	263.06 ✓ Starting

1-15-42. Levels in W gutter of Cuyamaca S of Franklin

BMBD	5.38	91.49		86.11	NE Cor Franklin Cuyamaca
0+00		✓	5.22	86.27	
+25			5.25	86.24	
+50			5.32	86.17	
+75			5.39	86.10	
1			5.34	86.15	
+25			5.46	86.03	
+50			5.53	85.96	
+75			5.65	85.84	
+90			5.68	85.81	
2		✓	5.70	85.79	
+10			5.69	85.80	Patch
+20			5.66	85.83	
+30			5.69	85.80	
✓ +40	S.L. Franklin To EAST	✓	5.68	85.81	
+50			5.70	85.79	
+60			5.83	85.66	
✓ +71		✓	6.03	85.46	

	Indexed C.S.K.		
		2+71	85.34
		2+40	85.60
	85.79	2+00	85.73
	as constructed		grade
+.06	85.81	+90	85.75
+.05	85.84	+75	85.79
+.10	85.96	+50	85.86
+.11	86.03	+25	85.92
+.17	86.15	1+00	85.98
+.06	86.10	+75	86.04
+.06	86.17	+50	86.11
+.07	86.24	+25	86.17
+.04	86.27	0+00	86.23

Cuyamaca



ANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING

ROADWAY 14 FEET WIDE. SIDE SLOPES 1½ TO 1.

FOR SINGLE TRACK EMBANKMENT.

0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
7.00	7.15	7.30	7.45	7.60	7.75	7.90	8.05	8.20	8.35	0
8.50	8.65	8.80	8.95	9.10	9.25	9.40	9.55	9.70	9.85	1
10.00	10.15	10.30	10.45	10.60	10.75	10.90	11.05	11.20	11.35	2
11.50	11.65	11.80	11.95	12.10	12.25	12.40	12.55	12.70	12.85	3
13.00	13.15	13 30	13.45	13.60	13.75	13.90	14.05	14.20	14.35	4
14.50	14.65	14.80	14.95	15.10	15.25	15.40	15.55	15.70	15 85	5
16.00	16.15	16.30	16.45	16.60	16.75	16.90	17.05	17.20	17.35	6
17.50	17.65	17.80	17.95	18.10	18.25	18.40	18.55	18.70	18.85	7
19.00	19.15	19.30	19.45	19.60	19.75	19.90	20.05	20.20	20.35	8
20.50	20.65	20.80	20.95	21.10	21.25	21.40	21.55	21.70	21.85	9
22.00	22.15	22.30	22.45	22.60	22.75	22.90	23.05	23.20	23.35	10
23.50	23.65	23.80	23.95	24.10	24.25	24.40	24.55	24.70	24.85	11
25.00	25.15	25.30	25.45	25.60	25.75	25.90	26.05	26.20	26.35	12
26.50	26.65	26.80	26.95	27.10	27.25	27.40	27.55	27.70	27.85	13
28.00	28.15	28.30	28.45	28.60	28.75	28.90	29.05	29.20	29.35	14
29.50	29.65	29.80	29.95	30.10	30.25	30.40	30.55	30.70	30.85	15
31.00	31.15	31.30	31.45	31.60	31.75	31.90	32.05	32.20	32.35	16
32.50	32.65	32.80	32.95	33.10	33.25	33.40	33.55	33.70	33.85	17
34.00	34.15	34.30	34.45	34.60	34.75	34.90	35.05	35.20	35.35	18
35.50	35.65	35.80	35.95	36.10	36.25	36.40	36.55	36.70	36.85	19
37.00	37.15	37.30	37.45	37.60	37.75	37.90	38.05	38.20	38.35	20
38.50	38.65	38.80	38.95	39.10	39.25	39.40	39.55	39.70	39.85	21
40.00	40.15	40.30	40.45	40.60	40.75	40.90	41.05	41.20	41.35	22
41.50	41.65	41.80	41.95	42.10	42.25	42.40	42.55	42.70	42.85	23
43.00	43.15	43.30	43.45	43.60	43.75	43.90	44.05	44.20	44.35	24
44.50	44.65	44.80	44.95	45 10	45.25	45.40	45 55	45.70	45.85	25
46.00	46.15	46.30	46.45	46 60	46.75	46.90	47.05	47.20	47.35	26
47.50	47.65	47.80	47.95	48.10	48.25	48.40	48.55	48.70	48.85	27
49.00	49.15	49.30	49.45	49.60	49.75	49.90	50.05	50.20	50.35	28
50.50	50.65	50.80	50.95	51.10	51.25	51.40	51.55	51.70	51.85	29
52.00	52.15	52.30	52.45	52.60	52.75	52.90	53.05	53.20	53.35	30
53.50	53.65	53.80	53.95	54.10	54.25	54.40	54.55	54.70	54.85	31
55 00	55.15	55.30	55.45	55.60	55.75	55.90	56.05	56.20	56.35	32
56.50	56.65	56.80	56.95	57.10	57.25	57.40	57.55	57.70	57.85	33
58.00	58.15	58.30	58.45	58.60	58.75	58.90	59.05	59.20	59.35	34
59.50	59.65	59.80	59.95	60.10	60.25	60.40	60.55	60.70	60.85	35
61.00	61.15	61.30	61.45	61.60	61.75	61.90	62 05	62.20	62.35	36
62.50	62.65	62.80	62.95	63.10	63.25	63.40	63.55	63.70	63.85	37
64.00	64.15	64.30	64.45	64.60	64.75	64.90	6 5.05	65.20	65.35	38
65 50	65.65	65.80	65 95	66.10	66.25	66.40	66.55	66.70	66.85	39
67.00	67.15	67.30	67.45	67.60	67.75	67.90	68.05	68.20	68.35	40

Calculated by F. E. Paradis, C. F

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

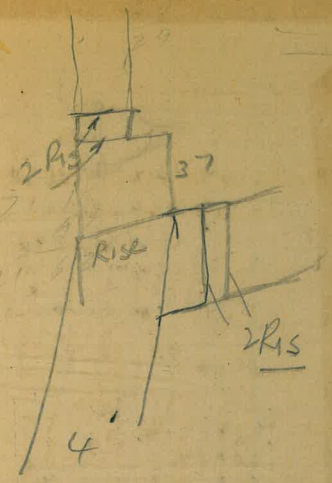
ROADWAY 16 FEET WIDE. SIDE SLOPES 1½ TO 1.

FOR SINGLE TRACK EMBANKMENT.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
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	25.2	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

Calculated by F. E. Paradis, C. E.

City Engineer



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