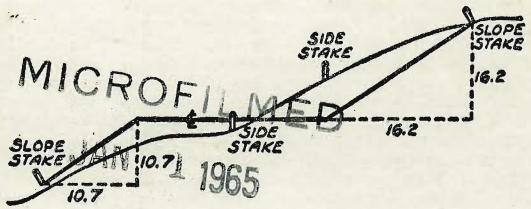
2243

STORM DRAINS

FIELD BOOK



Distances from Side Stakes for Cross-Sectioning

Slope 1 to 1. Roadway of Any Width

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	0
1	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	1
2	2.00	2.10	2.20	2.30	2.40	2.50	2.60	2.70	2.80	2.90	2
3	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	3
4	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70	4.80	4.90	4
5	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70	5.80	5.90	5
6	6.00	6.10	6.20	6.30	6.40	6.50	6.60	6.70	6.80	6.90	6
7	7.00	7.10	7.20	7.30	7.40	7.50	7.60	7.70	7.80	7.90	7
8	8.00	8.10	8.20	8.30	8.40	8.50	8.60	8.70	8.80	8.90	8
9	9.00	9.10	9.20	9.30	9.40	9.50	9.60	9.70	9.80	9.90	9
10	10.00	10.10	10.20	10.30	10.40	10.50	10.60	10.70	10.80	10.90	10
11	11.00	11.10	11.20	11.30	11.40	11.50	11.60	11.70	11.80	11.90	11
12	12.00	12.10	12.20	12.30	12.40	12.50	12.60	12.70	12.80	12.90	12
13	13.00	13.10	13.20	13.30	13.40	13.50	13.60	13.70	13.80	13.90	13
14	14.00	14.10	14.20	14.30	14.40	14.50	14.60	14.70	14.80	14.90	14
15	15.00	15.10	15.20	15.30	15.40	15.50	15.60	15.70	15.80	15.90	15
16	16.00	16.10	16.20	16.30	16.40	16.50	16.60	16.70	16.80	16.90	16
17	17.00	17.10	17.20	17.30	17.40	17.50	17.60	17.70	17.80	17.90	17
18	18.00	18.10	18.20	18.30	18.40	18.50	18.60	18.70	18.80	18.90	18
19	19.00	19.10	19.20	19.30	19.40	19.50	19.60	19.70	19.80	19.90	19
20	20.00	20.10	20.20	20.30	20.40	20.50	20.60	20.70	20.80	20.90	20
21	21.00	21.10	21.20	21.30	21.40	21.50	21.60	21.70	21.80	21.90	21
22	22.00	22.10	22.20	22.30	22.40	22.50	22.60	22.70	22.80	22.90	22
23	23.00	23.10	23.20	23.30	23.40	23.50	23.60	23.70	23.80	23.90	23
24	24.00	24.10	24.20	24.30	24.40	24.50	24.60	24.70	24.80	24.90	24
25	25.00	25.10	25.20	25.30	25.40	25.50	25.60	25.70	25.80	25.90	25
26	26.00	26.10	26.20	26.30	26.40	26.50	26.60	26.70	26.80	26.90	26
27	27.00	27.10	27.20	27.30	27.40	27.50	27.60	27.70	27.80	27.90	27
28	28.00	28.10	28.20	28.30	28.40	28.50	28.60	28.70	28.80	28.90	28
29	29.00	29.10	29.20	29.30	29.40	29.50	29.60	29.70	29.80	29.90	29
30	30.00	30.10	30.20	30.30	30.40	30.50	30.60	30.70	30.80	30.90	30
31	31.00	31.10	31.20	31.30	31.40	31.50	31.60	31.70	31.80	31.90	31
32	32.00	32.10	32.20	32.30	32.40	32.50	32.60	32.70	32.80	32.90	32
33	33.00	33.10	33.20	33.30	33.40	33.50	33.60	33.70	33.80	33.90	33
34	34.00	34.10	34.20	34.30	34.40	34.50	34.60	34.70	34.80	34.90	34
35	35.00	35.10	35.20	35.30	35.40	35.50	35.60	35.70	35.80	35.90	35
36	36.00	36.10	36.20	36.30	36.40	36.50	36.60	36.70	36.80	36.90	36
37	37.00	37.10	37.20	37.30	37.40	37.50	37.60	37.70	37.80	37.90	37
38	38.00	38.10	38.20	38.30	38.40	38.50	38.60	38.70	38.80	38.90	38
39	39.00	39.10	39.20	39.30	39.40	39.50	39.60	39.70	39.80	39.90	39
40	40.00	40.10	40.20	40.30	40.40	40.50	40.60	40.70	40.80	40.90	40
41	41.00	41.10	41.20	41.30	41.40	41.50	41.60	41.70	41.80	41.90	41
42	42.00	42.10	42.20	42.30	42.40	42.50	42.60	42.70	42.80	42.90	42
43	43.00	43.10	43.20	43.30	43.40	43.50	43.60	43.70	43.80	43.90	43
44	44.00	44.10	44.20	44.30	44.40	44.50	44.60	44.70	44.80	44.90	44
45	45.00	45.10	45.20	45.30	45.40	45.50	45.60	45.70	45.80	45.90	45
46	46.00	46.10	46.20	46.30	46.40	46.50	46.60	46.70	46.80	46.90	46
47	47.00	47.10	47.20	47.30	47.40	47.50	47.60	47.70	47.80	47.90	47
48	48.00	48.10	48.20	48.30	48.40	48.50	48.60	48.70	48.80	48.90	48
49	49.00	49.10	49.20	49.30	49.40	49.50	49.60	49.70	49.80	49.90	49
50	50.00	50.10	50.20	50.30	50.40	50.50	50.60	50.70	50.80	50.90	50

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

TABLE XIII—CORRECTIONS FOR TANGENTS AND EXTERNALS

These corrections are to be added to the approximate values, found by dividing the tangent, or external, for a 1° curve (Table VIII) by the degree of curve, in order to obtain the true tangents, or externals. Intermediate values may be obtained by interpolation.

FOR TANGENTS ADD

Central Angle	Degree of Curve													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	03	.06	09	13	16	19	.22	.25	.28	.31	34	38	42	.46
15°	04	10	14	19	24	.29	.34	.39	45	.51	.53	58	.63	.68
20°	06	.13	19	26	.32	.39	.45	.51	.58	.65	.72	79	.84	.90
25°	.08	16	24	.33	40	49	.58	67	.75	.83	90	.99	1.06	1.14
30°	10	19	.29	39	49	.59	.69	79	.89	.99	1.09	1.20	1.29	1.39
35°	11	22	.34	47	.58	.69	.70	.81	.92	1.04	1.29	1.42	1.54	1.66
40°	13	.26	.40	.53	.67	.80	.93	1.06	1.20	1.34	1.49	1.64	1.79	1.94
45°	15	.30	44	60	76	91	1.06	1.21	1.37	1.52	1.70	1.87	2.04	2.21
50°	17	.34	.51	.68	.85	1.02	1.19	1.36	1.54	1.72	1.91	2.10	2.29	2.48
55°	19	38	.57	76	.95	1.14	1.32	1.52	1.72	1.92	2.14	2.35	2.56	2.77
60°	.21	42	.63	.84	1.05	1.27	1.49	1.71	1.94	2.17	2.38	2.60	2.83	3.07
65°	23	46	.69	.93	1.16	1 40	1.64	1.88	2.13	2.38	2.63	2.88	3.13	3.39
70°	25	.51	76	1.02	1.28	1.54	1.80	2.06	2.33	2.60	2.88	3.16	3.44	3.72
75°	.27	.56	.83	1.12	1.40	1.69	1.98	2.27	2.57	2.87	3.16	3.47	3.78	4.09
80°	30	.61	.91	1.22	1.53	1.84	2.15	2.46	2 78	3.10	3.44	3.78	4.12	4.46
85°	33	66	1.00	1.33	1.68	2.02	2.36	2 70	3.05	3.40	3.77	4.14	4.55	4 89
90°	36	.72	1.09	1.45	1.83	2.20	2.57	2.94	3.32	3.70	4.10	4.50	4.91	5.32
95°	39	79	1.19	1.55	2.00	2.40	2.80	3.20	3.61	4.02	4.40	4.98	5.38	5.83
100°	43	.86	1.30	1.74	2.18	2.62	3.06	3.50	3.95	4.40	4.88	5.37	5.85	6.34
110°	51	1.03	1.56	2.08	2.61	3.14	3.67	4.21	4 76	5.31	5 86	6.43	7 01	7 60
120°	62	1.25	1 93	2.52	3.16	3.81	4 45	5.11	5.77	6 44	7 12	7.80	8.50	9 22

FOR EXTERNALS ADD

Central Angle	Degree of Curve													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.001	.003	.004	.006	.007	.008	.009	.011	.012	.014	.015	.017	.018	.020
15°	.003	.007	.010	.014	.018	.023	.027	.029	.032	.035	.039	.043	.047	.051
20°	.006	.011	.017	.022	.028	.034	.038	.045	.051	.057	.063	.070	.076	.083
25°	.009	.018	.027	036	.046	.056	.065	.074	.083	.093	.106	120	127	135
30°	.013	.025	.038	.051	.065	.078	.090	.103	.116	.129	.149	.170	.179	.188
35°	.018	.035	.054	.072	.086	.109	.131	.153	.175	.197	.213	.230	.247	.264
40°	.023	.046	.070	.093	.117	.141	.172	.203	.234	.265	.277	.290	.315	.341
45°	.030	.060	.093	.119	.153	.184	.216	.254	.289	.325	.351	.378	.411	.445
50°	.037	.075	.116	.151	.189	.227	.266	.305	.345	.384	.425	.467	.508	.550
55°	.046	.093	.142	.188	.236	.283	.332	.381	.420	.479	.530	.582	.641	.700
60°	.056	.112	.168	.225	.283	.340	.398	.457	.516	.575	.636	.697	.774	.851
65°	.067	.135	.204	.273	.343	.412	.483	.554	.625	.697	.711	.845	.922	1.01
70°	.080	.159	.240	.321	.403	.485	.568	.652	.735	.819	.906	.994	1.08	1.17
75°	.095	.182	.286	.383	.480	.578	.678	.777	.877	.977	1.07	1.18	1.29	1.39
80°	.110	.220	.332	.445	.558	.671	.787	.903	1.02	1.13	1.25	1.38	1.50	1.62
85°	.128	.259	.391	.524	.657	.790	.926	1.06	1.20	1.34	1.47	1.62	1.76	1.91
90°	.149	.299	.450	.603	.756	.910	1.07	1.22	1.38	1.54	1.70	1.87	2.03	2.20
95°	.174	.350	.522	.706	.985	1.06	1.25	1.43	1.62	1.80	1.99	2.18	2.38	2.58
100°	.200	.401	.604	.809	1.01	1.22	1.43	1.64	1.85	2.06	2.28	2.50	2.73	2.96
110°	.268	.536	.806	1.08	1.35	1.63	1.91	2.20	2.48	2.76	3.05	3.35	3.66	3.96
120°	.360	.721	1.08	1.45	1.82	2.19	2.57	2.95	3.33	3.72	4.11	4.50	4.91	5.32

Pg.

Storm Drain South Monroe Near Max Dr 1-4

Intersection 55th & Linda Paseo 6-13

Talbot Street Drain 24-30

Proposed Storm Drain Extension

South Monroe Ave Near Max Drive

WO # 21116

5-19-53

Proposed Line shown thus — — — —

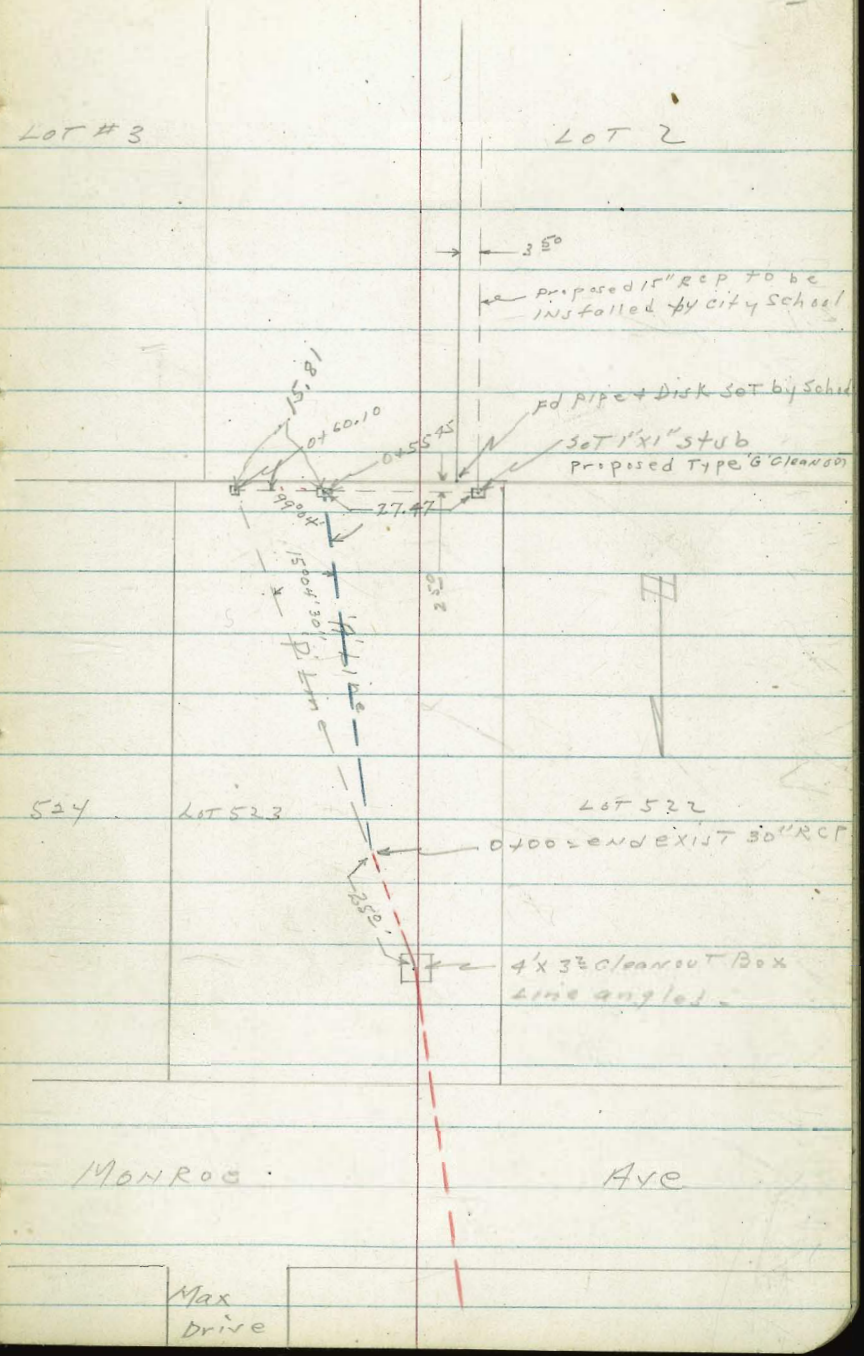
Suggested Line shown thus — — — —

Exist 30" RCP shown thus — — — —

C. Allen

D. Sisson

C. Powell-



LT = Ely | ℄ 'A' | Rt = Wly

0+55± POT ON 'A' Line
- 331.5: 4^{0} / 18^{8}
- 329.9: 5^{6} / 13^{8} 'P' Line
- 328.1: 7^{4} / 9
- 327.15: 8^{34} ON stub Gr same Creek BOTTOM
- 328.9: 6^{6} / 5^{-}

0+38
- 327.5: 8^{0} / 14^{5}
- 326.1: 9^{4} / 9^{5} 'P' Line BOTT creek
- 328.5: 7^{0}
- 330.6: 4^{9} / 5^{-}

0+25
- 326.2: 9^{3} / 11^{5}
- 325.5: 10^{0} / 6^{5} 'P' Line BOTTOM creek
- 327.6: 7^{9}
- 330.1: 4^{8} / 5

0+05 - 11^{5} LT = ℄ 10" Euc tree.
- 324.7: 10^{8} / 5 BOTTOM creek
- 325.7: 9^{8}
- 327.7: 7^{8} / 5

0+03 - 10^{5} LT = ℄ 6" Euc Tree

0+00 = end exist 30" RCP. Flowing Nly.
- 325.2: 10^{3} / 5
- 323.09: 12.40 I.E.
- 327.4: 8^{1} / 5

TP.	0.10	3X5.49 (3)	12.60	3X5.39 (3)	3X5.49 (3) x
BM -	0.73	3X7.99 (4) ✓		NEBP Max Dr + Monroe 3X7.26 (4)	Check BM in Master BM. Book

0+75

0+71 - 3^7 LT = ℄ 8" Euc Tree

0+68 . 4^5 LT = ℄ 10" Euc tree

23^9 LT = ℄ 14" Pine tree
17^5 LT = ℄ 8" Euc tree (on 'P' Line extended)
0+67 - 15^9 LT = ℄ 14" Euc tree

0+61

0+60 = 'A' Line intersects 3^5 high Rubble wall cwc

LT = E'ly			℄ 'A'	Rt = W'ly
334.7 0^8 19^5 'P' Line extended	332.4 3^4 10		331.6 3^9	330.7 4^8 10
	331.2 4^3 10		330.6 4^9 Top Wall	330.5 5^0 10
332.6 2^9 20.8	330.4 5^1 15.81 'P' Line	328.4 7^4 9^0 E'ly end Wall	327.2 8^3	328.9 6^6 10^5 W'ly end Wall

3 X 5.49
3

						℄ Connecting Line-'A' Line to Proposed Type G. Cleanout	4
0+20					376 1	10	8
TP2	12.09	387.50 ✓	0.08	375.41 ✓		387.50 ⊼	
0+10					330 1	4	4
0+02 - ON CONNecting Line to school line					327 5	8	0
0+55 45 ON 'A' LINE = 0+00 - Cleanout Line (To Wly to CONNect w/school Line)					327 2	8	3
0+78 - 10 9 LT = ℄ clump Euc Trees 12", 8", 4", 6"							
						375.49 ⊼	

Proposed Storm Drain
South Monroe Near Max Drive.

TP_3 - Start BM.	0.23	337.27		
			340.27	
0+27 ±7 & Proposed Cleanout			7 43	
			337.50	

X-Sec Intersection Linda Paseo and 55th St.

W.O. # 21148-

8-3-53-

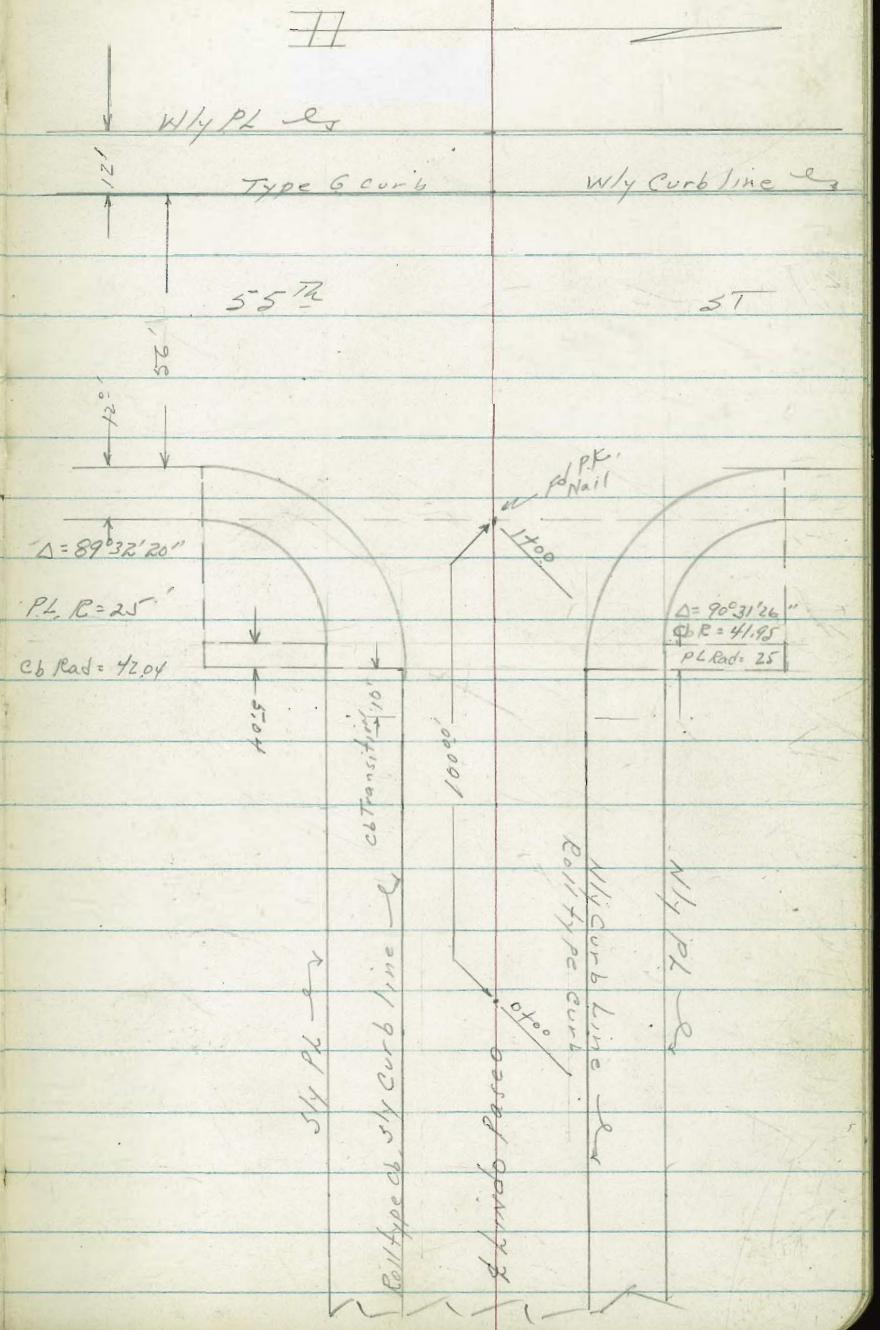
C. Allen

D. Sisson

C. Powell-

Ref. 7320-L

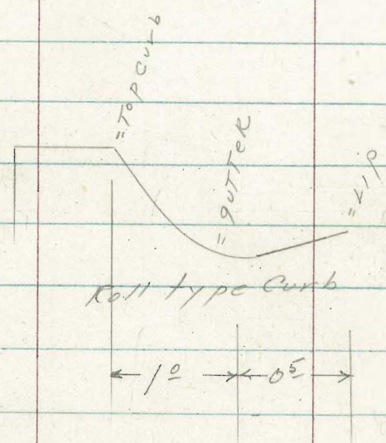
7657-L sheet #1.



X-Sec intersection Lindo Paseo

LT = Sly — ℄ Lindo Paseo — Rt = Nly — 1

0+00 = 100' East of East Line 55th St



Sta.	LT				℄	Rt			
0+40	449.37 6^{13} 19^{2} Top Cb	449.11 6^{39} 18^{2} Gut	449.14 6^{36} 17^{6} Lip	449.23 6^{27} 10	449.20 6^{30}	449.05 6^{45} 10	448.70 6^{80} 17^{2} Lip	448.65 6^{85} 18^{2} Gut	448.96 6^{54} Top cb
0+30	449.48 6^{02} 19^{2} Top Cb	449.21 6^{29} 18^{2} Gut	449.26 6^{24} 17^{6} Lip	449.35 6^{15} 10	449.31 6^{19}	449.11 6^{39} 10	448.75 6^{75} 17^{2} Lip	448.69 6^{81} 18^{2} Gut	449.00 6^{50} 19^{2} Top cb
0+20	449.59 5^{91} 19^{2} Top Cb	449.32 6^{18} 18^{2} Gut	449.38 6^{12} 17^{2} Lip	449.45 6^{05} 10	449.40 6^{10}	449.20 6^{30} 10	448.88 6^{62} 17^{2} Lip	448.82 6^{68} 18^{2} Gut	449.11 6^{39} 19^{2} Top cb
0+10	449.69 5^{81} 19^{2} Top cb	449.45 6^{05} 18^{2} gutter	449.49 6^{01} 17^{2} Lip	449.57 5^{93} 10	449.53 5^{97}	449.34 6^{16} 10	449.01 6^{49} 17^{2} Lip	448.97 6^{53} 18^{2} gutter	449.25 6^{25} 19^{2} Top cb
0+00	449.81 5^{69} 19^{2} Top Back Curb	449.50 6^{00} 18^{2} Lowspot gutter	449.55 5^{95} 17^{2} Lip Roll Type curb	449.65 5^{85} 10.0	449.62 5^{88}	449.41 6^{09} 10	449.10 6^{40} 17^{2} edge Conc Lip Roll Type cb	449.07 6^{43} 18^{2} gutter	449.38 6^{12} 19^{2} BK Top Cb

455.50 ⊼

BM 4.56 455.50 450.94

2" IP ℄ 55th + 10' N ℄ Montezuma Road

Sheet #1 9729-L.

LT = 514 & Rt = 414.

0+90

449.57	449.06	448.95	448.84		448.83	448.42	447.93	447.74	448.36
6 0.3	6 4.4	6 5.5	6 6.6	6	6.7	7 0.8	7 5.7	7 7.6	7 1.4
22.7 cb	22.7 gut	20	10		10	20	23.3 gut	23.3 cb	
ON Return							ON Return		

0+80

449.37	448.95	448.95		448.90	448.52	447.93	448.51
6 1.3	6 5.5	6 5.5	6	6.0	6 9.8	7 5.7	6 9.9
19.3 cb	19.3 gut	10			10	19.5 gut	19.5 cb
ON Return						ON Return	

0+75 - 35' Rt + 35' LT = Property BC's

0+69.96 = Curb BC.

449.31	448.91	449.00		449.00	448.56	448.19	448.65
6 1.9	6 5.3	6 5.0	6	5.0	6 9.4	7 3.2	6 8.5
18.3 cb	18.3 gut	10			10	18.2 gut BC	18.2 Top cb BC

0+60

0+59.96 = Transition from Roll type curb to Regular curb

449.35	449.01	449.08	449.09		449.05	448.80	448.47	448.42	448.76
6 1.5	6 4.3	6 4.2	6 4.1	6	4.5	6 7.0	7 0.3	7 0.8	6 7.4
19.1 cb	18.1 gut	17.6 Lip	10			10	17.1 Lip	18.2 gut	19.2 cb

0+50

449.30	449.05	449.10	449.16		449.13	448.94	448.62	448.56	448.66
6 4.0	6 4.5	6 4.0	6 3.4	6	3.7	6 5.6	6 8.8	6 9.4	6 6.4
19.1 cb	18.1 gut	17.6 Lip	10			10	17.1 Lip	18.2 gut	19.2 Top cb

45 ± 1.50 ↗

Way to 55th ST 15' wide

53° rt. SW COR of East & West Conc Drive

1+12 = East curb Line 55th ST

Type 6 gutter on 55th ST

1+00 = East Line 55th ST

451.68		451.22	
3 8 2		4 2 8	
100		100	
CL		GUT	

445.42		445.88		445.14		445.54		444.83	445.25
10 0 8		9 6 2		10 3 6		9 9 6		10 6 7	10 2 5
110		110		120		120		130	130
GUT		CL		GUT		CL		GUT	CL

451.50		450.94		451.07		450.64	
4 1 0		4 5 6		4 4 3		4 8 6	
90		90		80		80	
CL		GUT		CL		GUT	

446.34		446.76		445.66		446.49		445.74	446.30
9 1 6		8 7 4		9 4 8		9 0 1		9 2 6	9 3 0
80		80		90		90		100	100
GUT		CL		GUT		CL		GUT	CL

Type 6

450.80		450.37		450.55		450.11
4 7 0		5 1 3		4 9 5		5 3 9
70		70		60		60
CL		GUT		CL	GUT	
				BC	BC	

Begin Type 6

447.04		446.78		446.60		447.07
8 4 6		8 7 2		8 9 0		8 4 3
50		60		70		70
		BC IN Driveway		GUT		CL
		GUT				

449.43		449.70		449.47		449.30		448.98	
5 5 7		5 8 0		6 0 3		6 2 0		6 5 2	6
50		40		30		20		10	

448.72		448.37		448.03		447.67		447.27
6 7 8		7 1 3		7 4 7		7 8 3		8 2 3
10		20		30		40		

449.65		449.19		449.00		448.85	
5 8 5		6 3 1		6 5 0		6 6 5	6
29 1		29 7		20		10	
CL		GUT					

448.79		448.96		447.89		447.49		447.46	447.08
7 1		7 0 4		7 6 1		8 0 1		8 0 4 3	7 4 2
10		20		30		31 3		31 3	
						GUT		CL	

455.50

X-sec Intersection Lindo Paseo & 5th St

LT = 51.4 ℄

Elev.	445.90	445.63	445.37
Rod	9.60	9.87	10.13
Dist.	110	120	130

Elev.	451.73	451.50	451.21	450.95	450.69	447.32	447.06	446.76	446.46	446.18
Rod	3.77	4.00	4.29	4.55	4.81	8.18	8.44	8.74	9.04	9.32
Dist.	100	90	80	70	60	60	70	80	90	100

1+30

Elev.	450.41	450.16	449.87	449.57	449.32	449.02	448.72	448.42	448.10	447.83	447.60
Rod	5.09	5.34	5.63	5.93	6.18	6.48	6.78	7.08	7.40	7.67	7.90
Dist.	50	40	30	20	10		10	20	30	40	50

Elev.	451.60	451.41	445.71	445.42	445.15
Rod	3.90	4.19	9.79	10.08	10.35
Dist.	100	90	110	120	130

Elev.	451.06	450.79	450.48	450.20	447.09	446.87	446.55	446.28	446.00
Rod	4.44	4.71	5.02	5.30	8.41	8.63	8.95	9.22	9.50
Dist.	80	70	60	50	60	70	80	90	100

1+20

Elev.	449.94	449.71	449.45	449.17	448.87	448.60	448.30	447.93	447.60	447.35
Rod	5.56	5.79	6.05	6.33	6.63	6.90	7.20	7.57	7.90	8.15
Dist.	40	30	20	10		10	20	30	40	50

455.50 ⊼

1+50

				451.70		446.22	445.92	445.63	445.36	
				3.80		9.28	9.58	9.87	10.14	
				100		100	110	120	130	
451.47	451.22	450.96	450.70			447.27	447.00	446.73	446.47	
4.03	4.28	4.54	4.80			8.23	8.50	8.77	9.03	
90	80	70	60			60	70	80	90	
450.43	450.17	449.91	449.64	449.36	449.04	448.76	448.44	448.14	447.82	447.55
5.07	5.33	5.59	5.86	6.14	6.46	6.74	7.06	7.36	7.68	7.95
50	40	30	20	10		10	20	30	40	50

1+40 = ℄ 55.72 ST

				451.83		446.30	446.04	445.73	445.43	
				3.67		9.20	9.46	9.77	10.07	
				100		100	110	120	130	
451.58	451.28	451.04	450.77			447.38	447.16	446.90	446.57	
3.92	4.22	4.46	4.73			8.12	8.34	8.60	8.93	
90	80	70	60			60	70	80	90	
450.49	450.23	449.98	449.71	449.41	449.08	448.76	448.47	448.19	447.91	447.65
5.01	5.27	5.52	5.79	6.09	6.42	6.74	7.03	7.31	7.59	7.85
50	40	30	20	10		10	20	30	40	50

455.50 ⊼

1468 = West Curb Line 55th St = type G curb

1460

(12)

445.00	10.50	120	gut
445.47	10.03	120	cb
444.72	10.78	130	gut
445.20	10.30	130	cb
451.58	3.92	100	cb
451.14	4.36	100	gut
451.34	4.16	90	cb
450.87	4.63	90	gut
445.86	9.64	90	gut
446.33	9.17	90	cb
445.60	9.90	100	gut
446.06	9.44	100	cb
445.30	10.20	110	gut
445.74	9.76	110	cb
451.05	4.45	80	cb
450.60	4.90	80	gut
450.79	4.71	70	cb
450.32	5.18	70	gut
450.54	4.96	60	cb
450.12	5.38	60	gut
446.74	8.76	60	gut
447.21	8.29	60	cb
446.43	9.07	70	gut
446.91	8.59	70	cb
446.16	9.34	80	gut
446.60	8.90	80	cb
450.32	5.18	50	cb
449.88	5.62	50	gut
450.06	5.44	40	cb
449.60	5.90	40	gut
449.74	5.76	30	cb
449.29	6.21	30	gut
447.61	7.89	30	gut
448.06	7.44	30	cb
447.30	8.20	40	gut
447.76	7.74	40	cb
446.99	8.51	50	gut
447.48	8.02	50	cb
449.42	6.08	20	cb
448.99	6.51	20	gut
449.15	6.35	10	cb
448.69	6.81	10	gut
448.43	7.07		gut
448.87	6.63	℄	cb
448.15	7.35	10	gut
448.59	6.91	10	cb
447.86	7.64	20	gut
448.28	7.22	20	cb

451.45	4.05	100
445.96	9.54	100
445.68	9.82	110
445.42	10.08	120
445.14	10.36	130
451.20	4.30	90
450.95	4.55	80
450.70	4.80	70
450.49	5.01	60
447.07	8.43	60
446.75	8.75	70
446.49	9.01	80
446.19	9.31	90
450.20	5.30	50
449.23	5.57	40
449.66	5.84	30
449.37	6.13	20
449.06	6.44	10
448.75	6.75	
448.50	7.00	10
448.23	7.27	20
447.92	7.58	30
447.65	7.85	40
447.36	8.14	50

455.50 HI

X-Sec intersection 55th St + Linda Paseo -

Reduced by R. Barber 8-4-53

		Gutter	Top curb
TP. - Starting BM.	4.56		450.94 ✓
EC = 55th St		5.39 450.11	4.95 450.55
4/5		5.73 449.77	5.40 450.10
3/5		6 1/5 449.35	5.60 449.82
2/5		6 4/5 449.02	5.94 449.56
1/5		6 5/8 448.99	6.08 449.42
BC = Linda Paseo		6 5/8 448.97	6 1/9 449.31
		Gutter	Top curb

	Gutter	Top cb in 15' Driveway
EC = 55th St	8 7/8 446.78	
4/5	8 4/8 447.08	7 8/3 447.67
3/5	8 1/8 447.32	7 5/6 447.94
2/5	7 9/8 447.58	7 7/4 448.26
1/5	7 6/5 447.85	7 0/3 448.47
BC = Linda Paseo	7 3/8 448.18	6 8/5 448.85
	Gutter	Top curb

S.E. Return 65th + Linda Paseo.

Length = 65 70/100 = 5 parts 13.14 each

455 50/100 T

N.E. Return 55th + Linda Paseo

Length = 66.30 = 5 parts 13 26/100 each

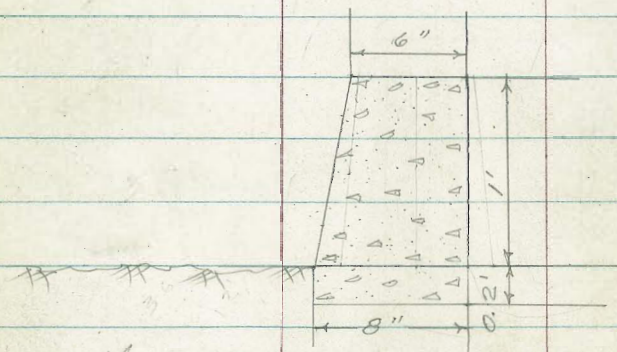
455 50/100 T

LOCATION OF WALL & DITCH THROUGH LOT Map No. 2753

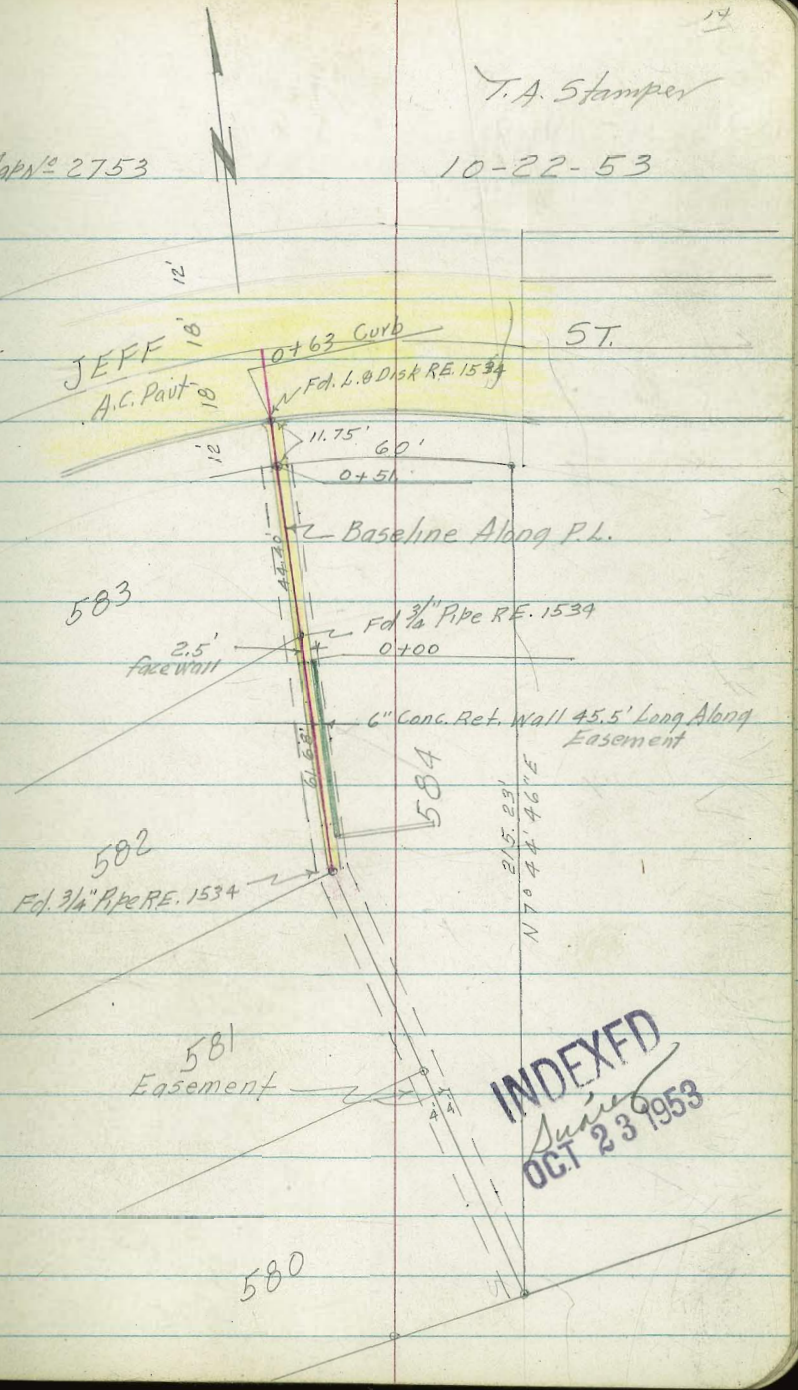
No. 584 REDWOOD VILLAGE UNIT No. 5 W.O. 20005

T. A. Stamper

10-22-53



WALL SEC. @ NLY END



10-22-53

Stamper (rod)
Huffman (instrument)
Nordahl
Sherry

CROSS SECTIONS OF PROPOSED DITCH THROUGH LOT No. 584 REDWOOD VILLAGE UNIT No. 5 W.O. 20005

NOTE: No Bench Listed in Vicinity
Used Assumed Elev.
Direct Rod Used

Station	Lt.			℄	Rt.			
0+20	403.1 / 10	403.1 / 5	401.50 / 16 Edge A.C.	400.62 / 0	401.11 / 22 Edge A.C.	401.4 / 10		
0+10	403.3 / 10	403.5 / 5	401.24 / 15 Edge A.C.	400.74 / 0	401.23 / 23 Edge A.C.	401.4 / 10		
0+05 Begin 5' High Board fence 6' Lt.								
0+00 End of Wall Sec.	404.2 / 10	403.9 / 5	402.07 / 2 Edge A.C.	401.05 / 0	401.66 / 25 Edge A.C.	401.8 / 25 Top Wall	401.7 / 30 Ground	400.95 Bot Ftg
					401.5 / 10 @ Bldg			
0-10	405.0 / 7	403.0 / 21 Edge A.C.	401.87 / 0	401.77 / 0.5 Bot Ditch	402.32 / 24 Edge A.C.	402.81 / 24 Top Wall	401.81 / 30 Bot Ftg	
				401.5 / 3 Ground	401.5 / 10			

B.M. 400.00 Assumed Top of L. & Disk in Curb Wly Line Lot 584

10-22-53

X-SEC'S OF PROPOSED DITCH & WALL EXTENSION CONT'D.

	Lt.		℄		Rt.	
0+59	400.0 / 10	400.18 / 1 8 Edge A.C.	399.90 / 0	400.15 / 1 1 Edge A.C.	400.2 / 10	
0+51 Prop Line	400.3 / 10	400.53 / 1 5 Edge A.C.	400.02 / 0	400.35 / 2 2 Edge A.C.	400.5 / 10	
0+40 End 5' Board 9.5' Lt.	402.4 / 10	402.1 / 7	400.92 / 1 2 Edge A.C.	400.29 / 0	400.73 / 2 1 Edge A.C.	401.0 / 10
0+30	403.0 / 12'	403.0 / 8	401.28 / 1 2 Edge A.C.	400.53 / 0	400.96 / 2 2 Edge A.C.	401.4 / 10

X-SEC'S OF PROPOSED DITCH & WALL EXTENSION CONT'D.

10-22-53

Lt. ℄ Rt.

B.M. 400.00 ~ 400.00 See Pg. 15

399.40 399.63 399.88 400.12 400.37
50 25 0 25 50

Gut
399.53
0

0+81 ℄ Seff St.

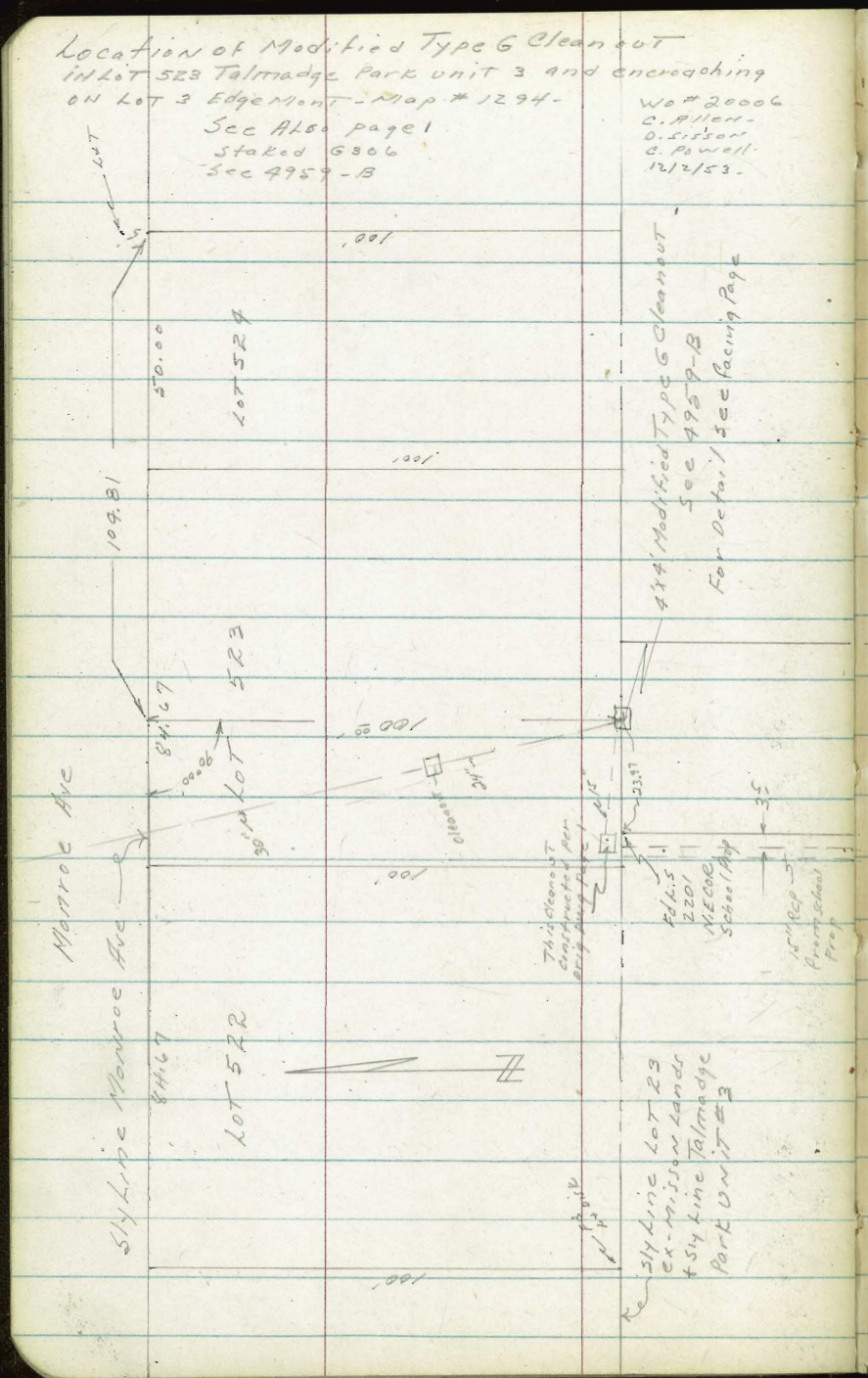
399.21 399.38 399.26 399.73 399.50 399.94 400.00 400.02 399.53 400.27 399.81
50 50 25 25 4± 4± 0 2 2 25 25
Gut. Cb Gut Cb Gut Cb Cb Gut Cb Gut.

0+63 Sly Curb Line Seff St.

400.51 400.13
50 50
Cb Gut.

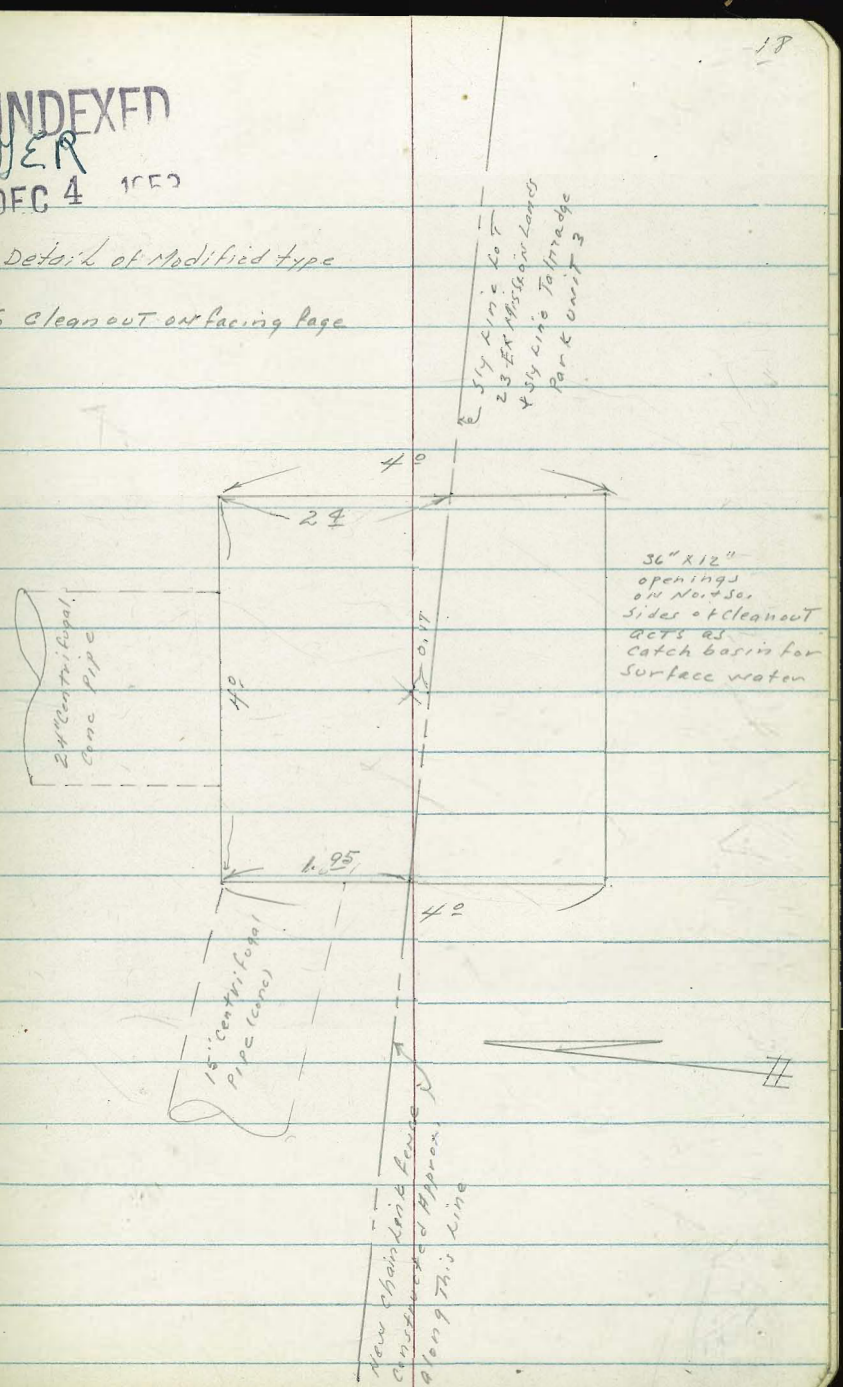
Location of Modified Type 6 Cleanout
in Lot 523 Talmadge Park Unit 3 and encroaching
on Lot 3 Edgemont - Map # 1294 -
See Also page 1
Staked 6306
See 4959-B

Wo # 20006
C. Allen -
D. Sisson
C. Powell -
12/2/53.



INDEXED
JER
DEC 4 1953

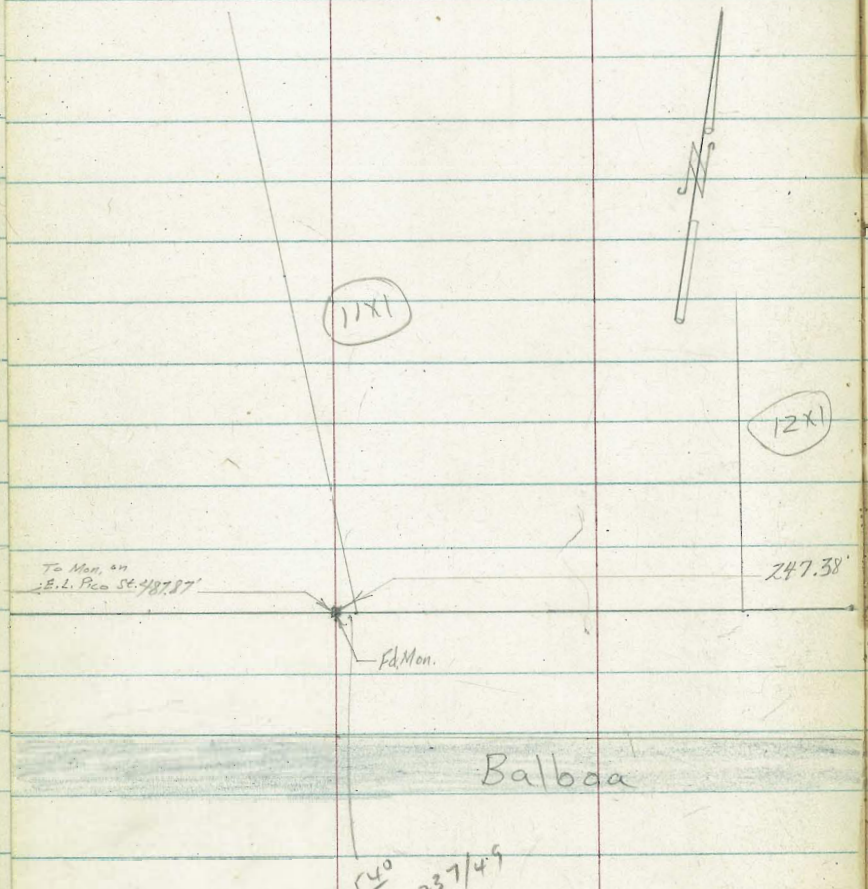
Detail of Modified type
6 Cleanout on facing page



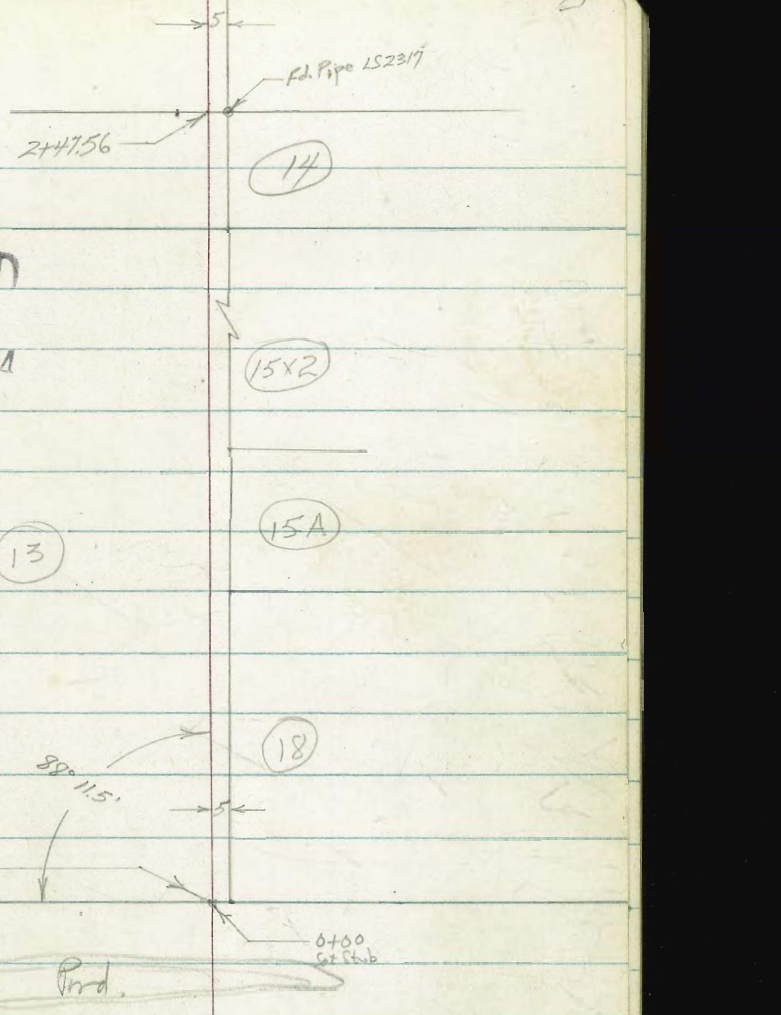
Roberts
Cota
Moore
Moralez
2-25-54
WO # 21222

Survey for Ditch North of Balboa Ave. to Rose Creek

FB 1760 pg 64 GB 237 pg 49



Balboa



Avenue

			Lt.	℄	Rt.
0+15		(Pond on Left)	11.8 / 6.0 / 50	11.8 / 6.0 / 25	17.0 / 5.8 — 17.5 / 5.3 / 5 — 13.0 / 4.8 / 25
0+00	North Line Balboa Ave.		17.7 / 5.6 / 25	17.3 / 5.5	17.9 / 4.9 / 25
0-15			17.7 / 5.6 / 25	17.7 / 5.6	17.7 / 5.1 / 25
0-24.3	2' Rt to center T. Pole	# 505851H			
0-37	Top A.C. Berm		13.43 / 4.35 / 150 — 13.36 / 4.42 / 100 — 13.33 / 4.33 / 50	13.73 / 4.55	13.70 / 4.58 / 50 — 13.73 / 4.53 / 100 — 13.74 / 4.56 / 150
0-38	Gutter		13.15 / 4.63 / 150 — 13.10 / 4.68 / 100 — 13.03 / 4.75 / 25 — 17.99 / 4.81 / 50 — 17.91 / 4.87 / 25	17.97 / 4.81	13.03 / 4.75 / 25 — 17.98 / 4.80 / 50 — 13.05 / 4.73 / 75 — 13.09 / 4.69 / 100 — 13.16 / 4.62 / 150
0-60	Approx. ℄ Paving		13.37 / 4.46 / 150 — 13.38 / 4.40 / 100 — 13.39 / 4.39 / 50	13.35 / 4.43	13.42 / 4.36 / 50 — 13.46 / 4.32 / 100 — 13.50 / 4.28 / 150
BM	4.11	17.78 ℄	13.67 SEBP on Bridge Balboa Ave.	17.78 ℄	See FB2166 pg 2 & FB2273 pg 37

Contid From Page 20

			Lt	℄	Rt
1+60	7 Lt	Rt to center 10" Holly bush			
1+55	5 Lt	Rt End brick walk			
1+50			17.5 / 5.3 / 25	17.7 / 5.1	17.0 / 5.8 / 3 — 11.8 / 6.0 / 10
1+00			17.5 / 5.3 / 25	17.4 / 5.4	17.1 / 5.7 / 10
0+85			17.1 / 5.7 / 25	17.4 / 5.4	17.3 / 5.5 / 10
0+82	4 Lt 2 Lt	Rt to Near Edge 2' wide grouted brick walk Rt begin wire fence			
0+50		(Pond on Left)	11.6 / 6.2 / 50	11.6 / 6.2 / 25 — 11.5 / 6.3 / 10 — 17.0 / 5.8	17.7 / 5.6 / 5 — 17.7 / 5.6 / 25
0+42	14 Rt	to NW Corner Poultry House (Nests - 10¢ a pound)			
0+21.5	13 Rt	to SW Corner Poultry House			
		17.78 ↑			17.78 ↑

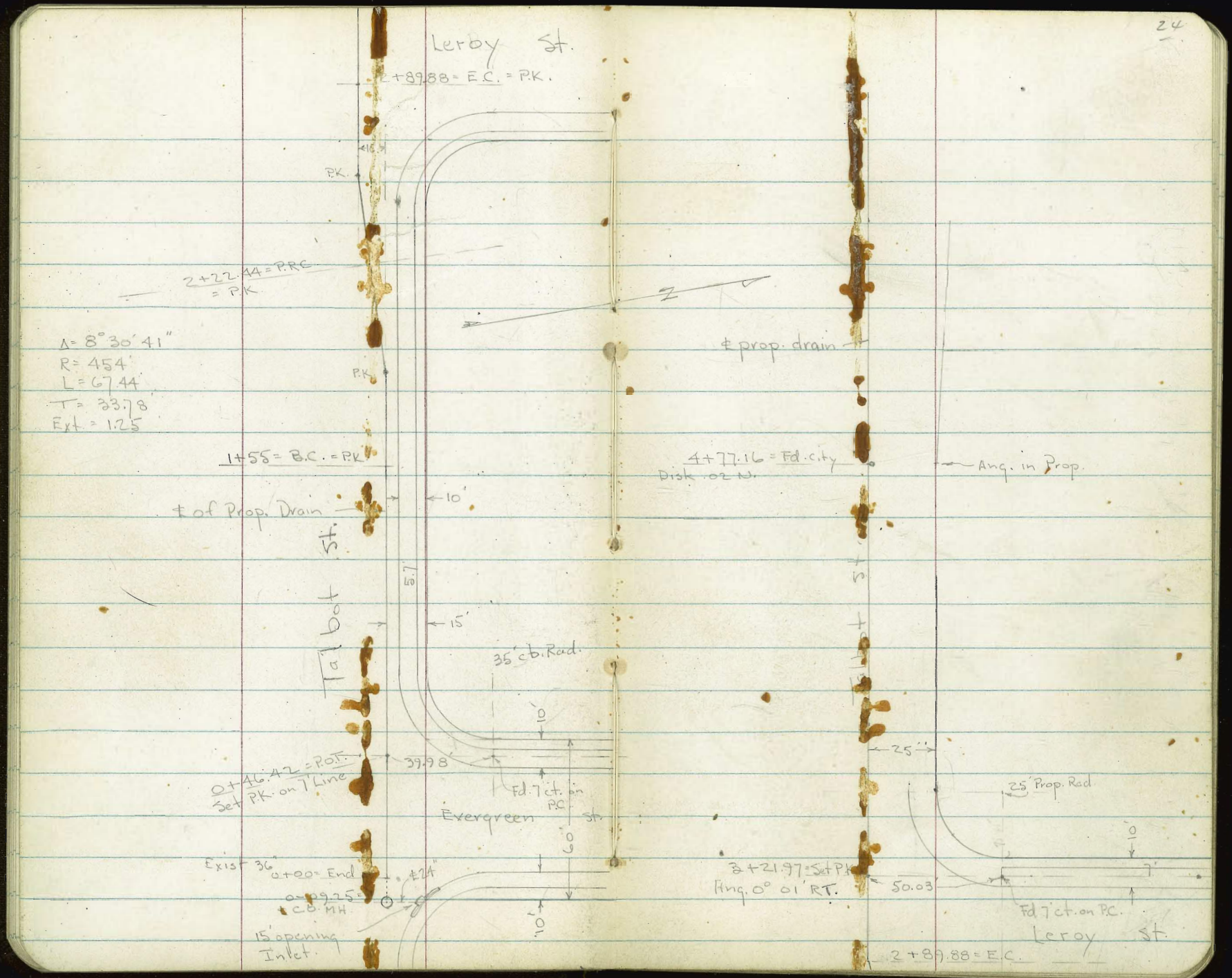
			Lt	℄	Rt
3+00	8⁰	Lt to center willow stump			
2+91			10.7 7.6 10	10.7 7.6	10.7 7.1 10
2+90	2⁵	Lt to center Willow Stump			
2+85			13.0 4.8 10	13.0 4.8	13.0 5.8 10
2+50			13.7 4.6 10	13.7 4.6	13.7 4.6 10
2+18.6	4³	Rt End Wire Fence			
2+00			17.9 4.9 25	17.7 5.1	17.3 5.5 10
1+95	15⁵	Rt to NW Corner House			
1+66	15⁵	Rt to SW Corner House			
		17.78 T		17.78 T	

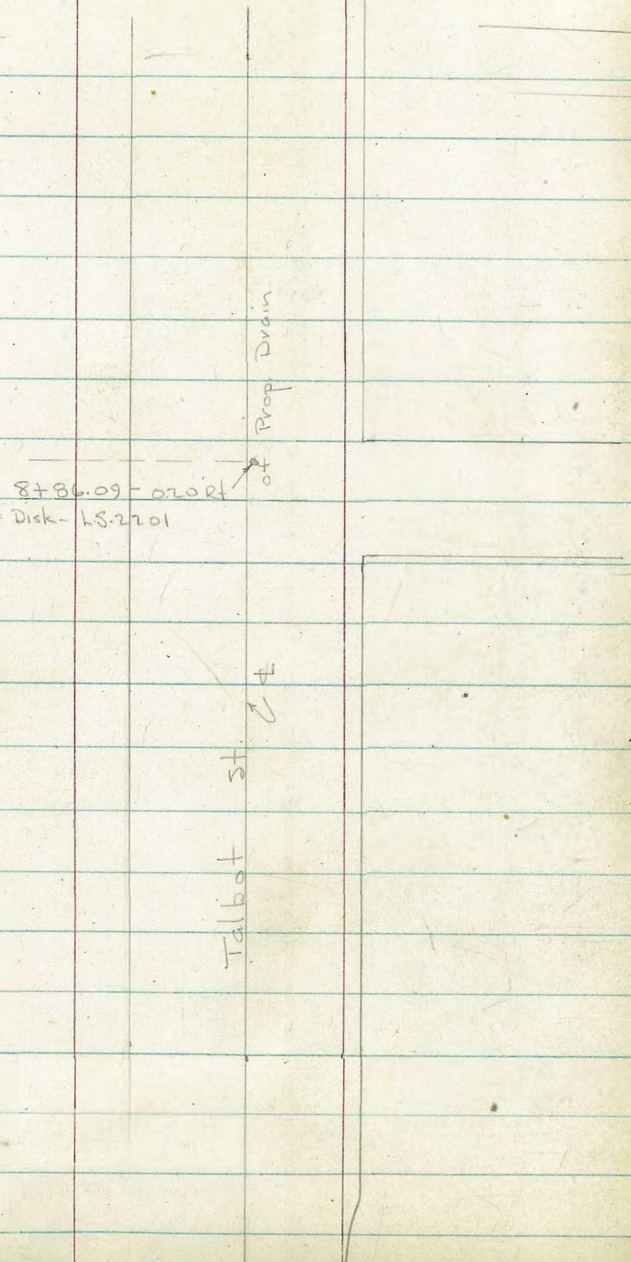
Cont'd From Page 22

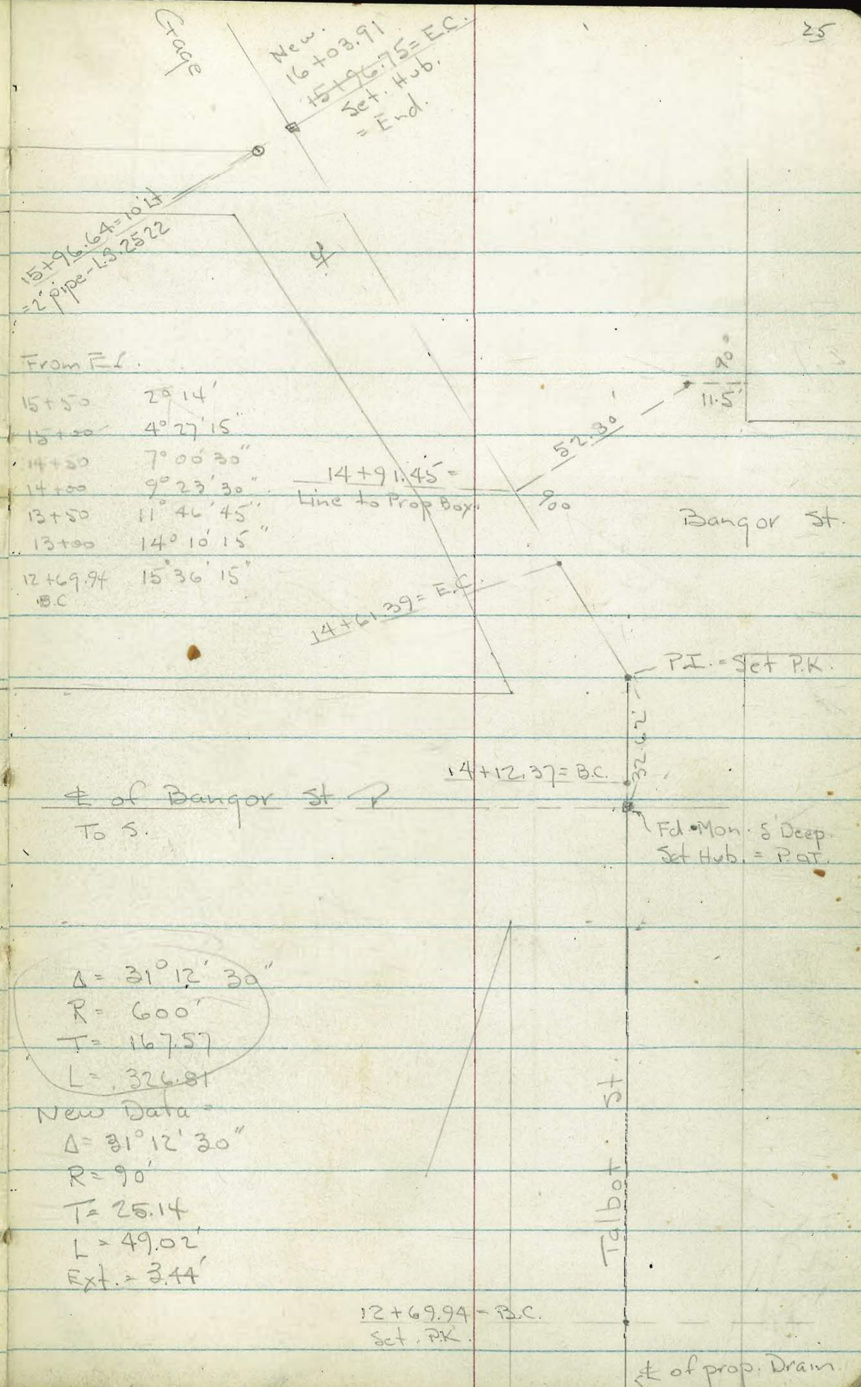
Station	Description		Lt	℄	Rt
3+35	Approx. ℄ Rose Creek			4.3 14.5	
3+15	Bottom Rose Creek			4.8 13.0	
3+07			10.6 7.2 10	10.6 7.2	10.6 7.2 10
3+02.5	1³ Rt to center willow tree, 12"				

17.78 ⊼

17.78 ⊼


Leroy St.
2+89.88 = E.C. = P.K.
16'
P.K.
2+22.44 = P.R.C. = P.K.
Δ = 8° 30' 41"
R = 454'
L = 67.44'
T = 33.78'
Ext = 1.25
P.K.
1+55 = B.C. = P.K.
℄ of Prop. Drain
10'
St.
5.7'
15'
35' c.b. Rad.
39.98'
0+46.42 = P.O.T.
Set P.K. on ℄ Line
Fd. ℄ ct. on P.C.
Evergreen St.
Exist. 36"
0+00 = End
0+09.25 = ℄ c.b. MH.
15' opening Inlet.
℄ prop. drain
4+77.16 = Fd. city Disk .02 N.
Ang. in Prop.
25'
25' Prop. Rad.
3+21.97 = Set P.K.
Ang. 0° 01' RT.
50.03'
Fd. ℄ ct. on P.C.
Leroy St.
2+89.88 = E.C.





From ℄

15+50	2° 14'
15+00	4° 27' 15"
14+50	7° 00' 30"
14+00	9° 23' 30"
13+50	11° 46' 45"
13+00	14° 10' 15"
12+69.94 B.C	15° 36' 15"

Δ = 31° 12' 30"
R = 600'
T = 167.57
L = 326.81

New Data =
Δ = 31° 12' 30"
R = 90'
T = 25.14
L = 49.02'
Ext. = 3.44'

Levels along ℄ of Prop. Drain in Talbot.
from Evergreen to Gage - See Sketch - P. 24
W.O. 32496 - 6-1-54 - 7.0.

	Lt.	℄	Rt.
2+22.44 = P.R.C.		66.67	
1+88.72 = Mid. of Curve		63.91	
1+55 = B.C.	60.86 15	60.94	61.02 5 q.t. — 61.62 Top
1+10	56.90 10	56.98	57.05 5 q.t.
0+78.5 - 4.9 Rt. - P.C. of 35' Rad. Rt.	54.02 10	54.14	54.25 4.9 q.t. — 54.93 Top cb = P.C.
0+40	51.63 15	51.16	50.88 7 q.t.
Conc. pave is topped with A.C.			
0+00 = End of Exist. 36" pipe		49.77	
0-09.25 = ℄ of Cleanout M.H. - on 36" RC. Culvert	39.50 I.E. of Box + 36" pipe		49.35 Top of Rim

Actual Elev. shown

B.M. = N.W. B.P. Evergreen + Talbot. 51.77 (used) - Note

5.199 = Elev. Shown in Book 1853 - P. 24
(Seems to be wrong.)

		Lt.	℄	Rt.
6+50			92.79	
6+00 = water line still far enough away	Can't tell for shure	89.22 16 edge	89.94 ? = ℄ water?	89.62 15 edge
5+50			87.16	
5+00		83.51 16 edge	84.32 on RK = T.P.	83.93 12 edge
4+50			81.42	
4+00		77.49 19 edge A.C pave	78.36 5 / 78.29	77.76 13 = edge A.C
3+57 - 6' Rt = ℄ 3'x3' Cities Co. M.H.				75.08 6 = Rim - wly
3+54 = approx. end of Conc. pave + cbs.		76.58 Top end cb.	75.62 24.7 gut / 75.19 10 / 74.98	74.82 15 = gut in Dr
Set BM. on NW ℄ Ct. Leroy	75.42			
3+20			72.77	
2+89.88 = E.C.		71.00 10	70.96	71.25 10
2+56.16 = M.d. of Curve		68.83 10	69.00	69.70 13.5 gut / 70.41 Top = by E.C.

	Lt.	℄	Rt.
11+00 - 4.5' Lt. = ℄ Water.	19.03 7 edge	19.62	20.00 8
10+50		16.70	
10+00 - 4.5' Lt. = ℄ Water Ditch	13.28 7 edge	13.85	14.16 8
9+50		10.62	
9+00	06.95 7.5 edge	07.59	07.87 7
8+77 - 4.5' Lt. - ℄ New water Ditch To Cross Main			
8+70 = ℄ Gate Valve Cap. + 10.2 Lt. = ℄ F.H. Top = B.M. 108.87			
8+65 - 2.8' Lt. = ℄ 8" Gate Valve Cap.			
~~8+50~~			
		04.57 (100' Not Noted)	
8+00 - Cant be Sure of water loss	101.12 10 edge	101.48	101.70 5
7+50		98.56	
7+00	94.82 14 edge	95.70	95.73 16 edge

= Sewer Lat.

14+48.5 = 17 Rt = Top. of Cleanout - 4" Cast Iron.

14+20 = in Graded Road.

14+08 - 8.5' Lt = ℄ P.pole # 3381

13+96 = Cross Water main in Bangor to S.

13+90

13+70 = edge of A.C.

13+50 - 1' Rt. = ℄ Water Ditch

13+00 - outs are Radial

12+69.94 = B.C. - 45 Lt = ℄ Water Ditch

12+35

12+00

11+76.5 - 26' Rt. = ℄ Sewer MH.

11+50

Lt.	℄	Rt.	
			40.93 17 Top of Cap.
41.5 20	39.4	39.53 13 = edge A.C.	
45.4 15	38.9	36.59 4 edge	38.31 20
42.2 8 = Top of Bank	35.31		36.69 15
42.2 9 Top of Bank	34.22 3 edge	34.20	35.19 13
	30.74 7.5 = edge + Toe of Bank	31.40	31.58 9
	28.85 7 edge	29.45	29.93 8 29.24 24 edge
		27.22	
	24.75 6.5 edge	25.26	25.69 8 24.90 24 edge
		22.51	

Gage & Talbot

Set B.M. = Spike - S.W. Pole — 153.72

15+96.75 = EC = Conn. to Prop. Drain from Sub.

15+50

15+24 - 8.1' Lt. = end of Wing Wall

15+17.8 - 12.4' Lt. = S.W. Cor. of Bridge

Wooden Bridge over Ditch - is abandoned.

15+00 - 5' Lt. = N.W. Cor. of 17.6 Long x 8.5' wide

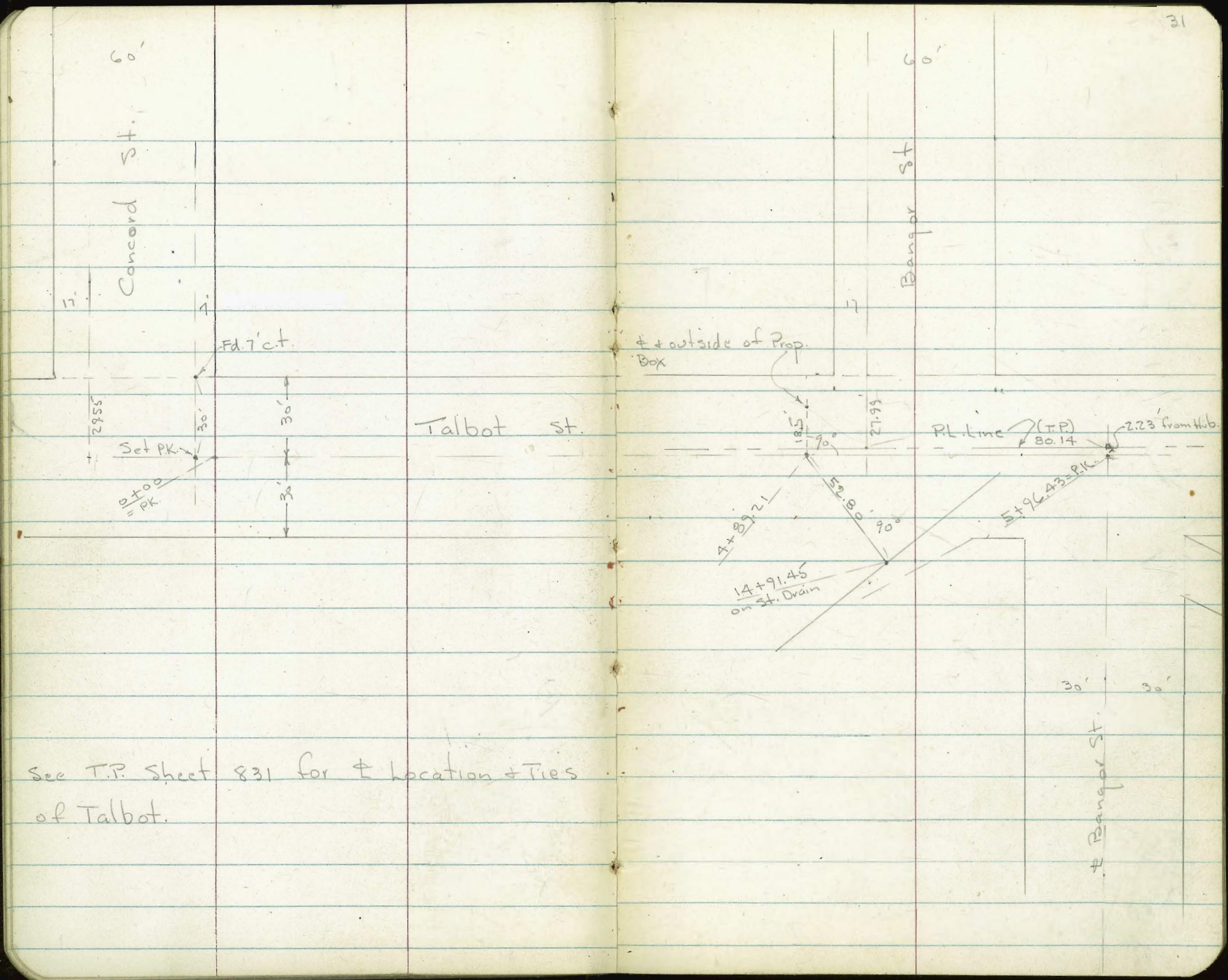
14+98.5 = edge of Wing Wall = 3" x 12"

14+80

14+70 = in Bottom of old Drain Ditch

14+50

Lt.	℄	Rt.
41.7 48.0 50.2 51.8 — 32 23 17 — & Ditch Top		53.46 — 17 = edge A.C.
41.1 46.3 48.58 49.2 — 15 11 6 — Bottom of Ditch Top		50.15 — 22.5 = edge of A.C.
47.85 — 8.1 = Top of Wall		
39.8 48.82 48.4 — Bottom of Ditch 12.4 = Deck at Cor.		48.2 — 15
48.66 39.4 48.70 48.4 — 13.9 = edge of Bridge Bottom of Ditch 5 = Top of Deck		47.0 47.05 — 15 31.5 = edge of pave
45.4 — gr. at Bottom		47.94 — Top of Wall = 2.8 from end
48.0 39.0 39.0 42.1 — 25 8 3 — Bottom of Ditch		45.6 — 15
49.5 40.8 38.7 38.7 38.7 43.7 43.7 — 25 3 1.5 Bottom 2.5 5 15		
50.4 40.6 40.5 — 26 = Top 6		42.22 — 22 = edge A.C.



See T.P. Sheet 831 for ℄ location & Ties of Talbot.

Add: Notes. on New Line - Prop. Drain
Talbot & Gage - See Sketch - P. 25

W.O. 32496 - 6-14-54 - J.O.

Wood Bridge - See other Notes - P. 30

15+04.6 - 5.4' Lt. = end of Wood wing wall to

15+00

℄ Profile = sect to Rt.

14+91.45 = 90° - 52.80 Rt. - to ℄ Prop. Inlet

14+61.39 = E.C.

14+49 = ℄ and edge of A.C.

14+36.88 = Middle of Curve - Sect Radial

14+12.37 = P.C.

14+00

13+91 - 4.1 Lt. = ℄ 8" Water Gate Cap

13+50 - 4.5' Lt. = ℄ Water Ditch

13+00

12+69.94 = old B.C.

B.M. = S.W. Pole - P. 30 153.72

Lt.	℄	Rt.
47.70 5.4= Top wall		
42.8 12 Top bank	47.7	
45.9	46.13 22 edge A.C.	47.08 41 / 47.64 52.80 = P.K.
42.1	42.86 edge	
	41.57	
40.47 4 edge	40.95	41.59 11
38.76 8 edge	39.25 / 38.23	39.68 8
34.2 8 edge A.C.	34.72 / 31.45 / 29.45	35.14 8.

Actual Elev. Shown.

Talbot Drain
Cont

Lt. ℄ Rt.

16+03.91 = end 51.73

15+50 45.2 48.8 49.1 49.90
17 = Top bank 6 21 = edge A.C.

X-Sect. for Grade Est. - Talbot st. -
from Concord to Bangor to S. - Sketch - P-31
W.O. 3249 - 6-14-54 - 7.0.

	Lt.	℄	Rt.
1+60	98.6 37 Top	94.3 30	84.65 16 edge	85.00	83.95 12 edge	83.3 30
1+20 - 25.5 Rt. = 3/4" pipe - LS. 2201 - ?	207.0 36	204.0 30	197.1 17	90.42 14 edge	90.80	90.25 10 edge	89.4 30
0+80	209.1 30 Top bank		196.79 13 edge	197.33	97.26 11 edge	197.0 30	196.8 41.6 By House
0+56 - 25.5' Rt. = ℄ 8' Conc Dr.					01.97 25.5 Dr.		01.47 40.5 floor gal.
0+50	18.6 34	15.2 30	11.1 25	10.7 17	02.53 13 edge	02.77	03.00 14	03.6 25	07.9 255 Top wall	07.7 30
0+25	18.2 33 Top	15.4 30	12.1 26	11.1 17	06.75 13 edge	07.00	07.01 17	08.51 25.9 walk	08.5 30
0+22.5 - 25.7' Rt. = ℄ 3.5' Conc. walk								08.54 25.7 = walk	08.65 40 walk
A.C. Strip Pave									
0+00 = Ely. line of Concord.	15.7 30.		10.46 14 = edge.	10.58 200 Fig Not Noted	09.93 16 edge of A.C.	13.2 30	14.38 34.9 Top Conc. Porch

B.M. = N.W. B.P. Concord + Talbot 215.84 = our Elev. from Gage B.M. — 216.09 = Book elev.

Lt ℄ Rt.

check B.M.= Sw. Pole - Grage to Cb. inlet. 153.72 - P. 30

4+89.21 = 18.5' Lt = ℄ i outside of prop. box

47.64 / 18.5 = Box 47.65'

4+50 - Sect to Rt shows A.C. Strip on Grage

54.5 (30) 50.83 (23 edge) 51.34 (8) 51.21 50.77 (9 edge Rad. at Cor.) 50.30 (21) 50.30 ? (30 strip) 50.24 (44 edge)

4+00

59.9 (30 Top) 56.8 (27) 55.84 (22 edge) 56.29 (7) 56.28 56.07 (5 edge) 57.2 (19) 56.5 (30) 53.89 (55) 54.47 (80 edge AC. strip)

3+50

65.5 (30 Top bank) 62.0 (26) 61.07 (19 edge) 61.72 (6) 61.66 61.33 (8 edge) 60.7 (30)

3+44 - 18' Lt. = ℄ 8' A.C. Dr.

3+05 - 37' Rt. = ℄ Sing. Gar. - Dirt floor.

65.25 (40 Dr.) 63.10 (30 Dr.) 61.66 (18 = Dr. ℄ edge) 65.4 (37 floor)

3+00

Set B.M. in Pole 2+81 - Lt. 173.52

72.6 (30) 72.0 (26) 66.40 (19 edge) 67.38 66.94 (9 edge) 65.9 (30)

2+50

78.6 (30) 73.2 (23) 72.34 (16 edge) 73.36 72.74 (11 edge) 71.0 (30)

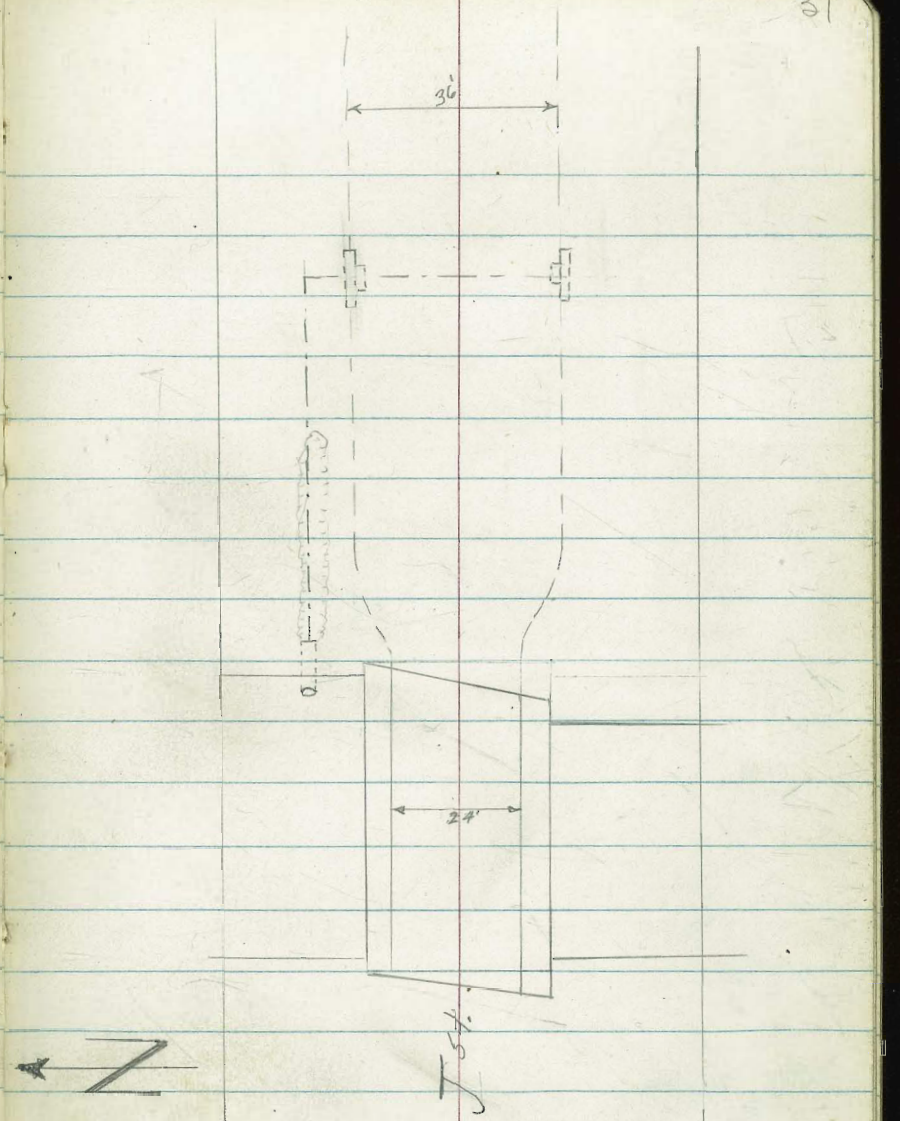
2+13.8 - 30.6 Lt. = ℄ 15' Conc. Dr.

83.27 (48 Dr) 79.77 Dr.

2+00

84.0 (30) 78.53 (18 edge) 79.48 78.50 (11 edge) 77.5 (30)

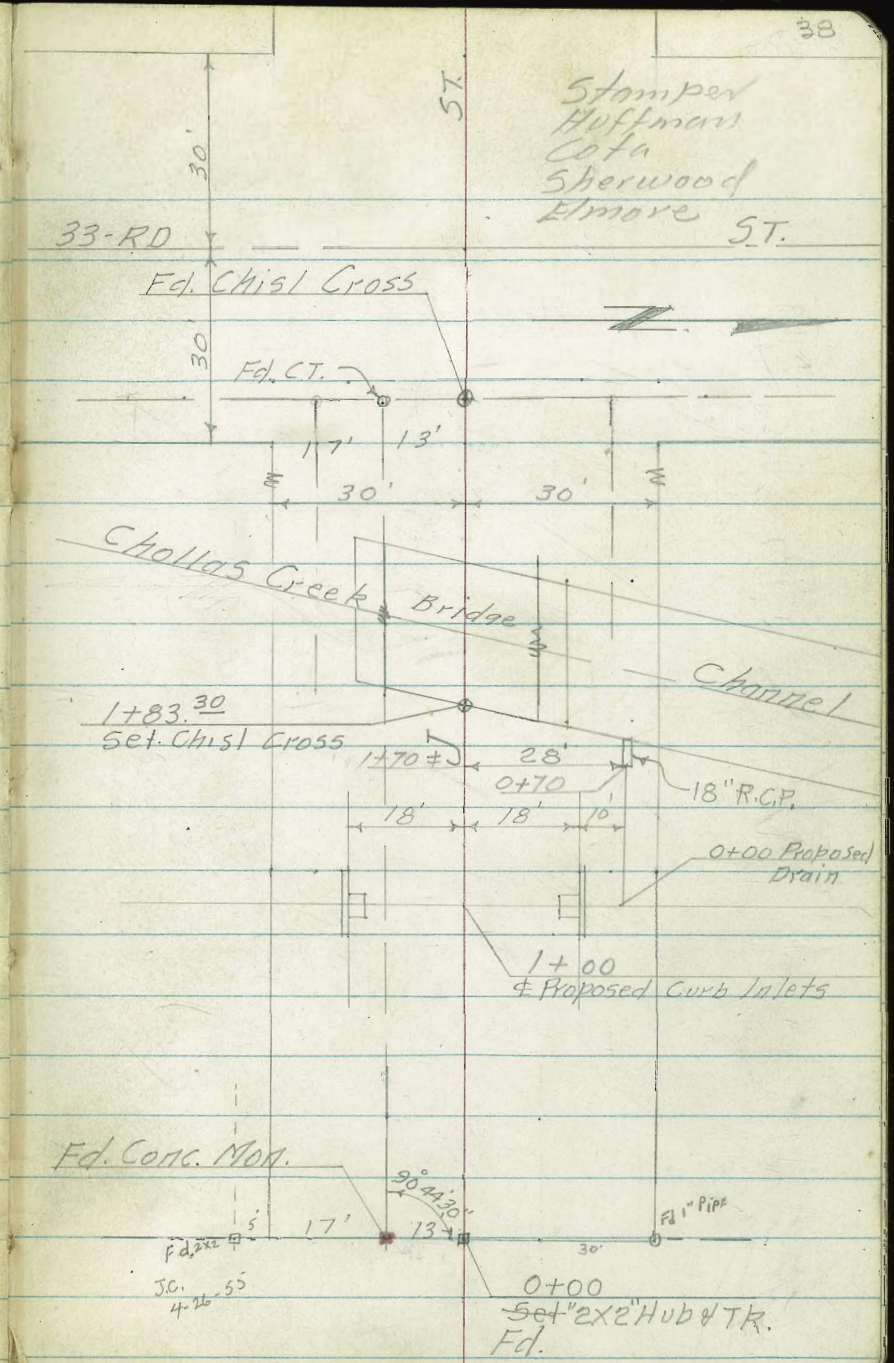
	Lt.	℄	Rt.
6+26.43 = end ℄ Ely Line of Bangor to S.	36.9 30	36.28 27 edge	36.88 10
	36.21	35.67 5 edge	42.6 15
	49.2 30		
5+97 - 50.5' Lt. = ℄ 20' Conc. apron	40.94 63.5 floor gar	40.47 50.5 apron	
5+90 - edge of Crossing	39.7 30	39.27 25 edge	39.58 10
	39.00	38.62 4 edge	38.7 10
	40.9 30	43.6 53 edge of Ref.	
5+60 = edge of Dirt Crossing to Martinez	42.0 30	41.25 23 edge	41.75 9
	41.45	41.09 4 edge	40.4 20
	40.6 27	50.0 58	
Crossing at Bangor to S.			
5+32 - 30' Rt = ℄ Drain Ditch - filled in at	44.3 30	43.72 22 edge	43.94 9
	43.79	43.58 4 edge	43.7 28
	38.7 30 ℄ Ditch	41.4 37 Bank	
to D.			
5+15 = Thru Rough Cold Lay Strip up Bangor	49.00 78	45.94 30 ℄L	45.55 23
	45.42 9	45.28	44.93 3 edge
	47.1 30		
5+00	58.5 50	58.1 30	46.74 23 edge
	46.71 9	46.70	56.57 9 edge
	57.4 30		


36'
24'

SURVEY FOR STORM DRAIN (CULVERTS & INLETS IN "J" ST. ELY OF CHOLLAS CREEK CHANNEL W.O. 21300

Ref. T.P. 140

Map 291 McLarens "H" Addition



CROSS SECTIONS "J" ST. 34-TH ST. - WLY TO CHOLLAS CHANNEL

W.O. 21300

Lt - ℄ Rt

1-13-55

Stampar
Hoffman
Cofa
Sherwood
Elmore

NOTE: Direct Elev Rod Used

	Lt			℄			Rt	
1+00	32.8	32.3	33.0	33.6	33.4	32.9	32.5	33.1	33.3
	30	18	12	0	15	18	20	25	30
0+88 - 29ª Rt. ℄ Sing Gar Conc floor						32.90			
						29ª			
						Conc floor			
0+75	32.8	32.3		33.1		32.9	32.9		
	30	18		0		18	30		
0+50	32.8	32.7		32.9		32.9	33.0		
	30	18		0		18	30		
0+25	32.9	32.7		33.1		32.9	33.2		
	30	18		0		18	30		
0+00 = Along Prop. (see Sketch	33.1	32.9		33.3		33.1	33.2		
	30	18		0		16	30		
B.M. 32.51	S.W. Conc. Mon. 34-th & "J" Sts								

CROSS SECTIONS "J" ST.

	Lt.			℄			Rt.	
1+83.30 Sec. Along ℄ by Line Chollas Channel Bridge	35.61	34.76	34.85		34.77	35.59		
	12.1	12.1	0		12.2	12.2		
	Top S.W.	Cut	Conc. Cross	Chisl	Cut	Top S.Walk		
1+50	33.2	34.2	34.3	34.4	34.4	34.4	31.2	34.0
	30	18	12	0	18	21	25	30
1+25	32.3	32.1	33.6	33.9	34.1	32.0	33.8	33.8
	30	18	14	0	18	21	25	30

PROFILE FOR PROPOSED DRAIN "J" ST.

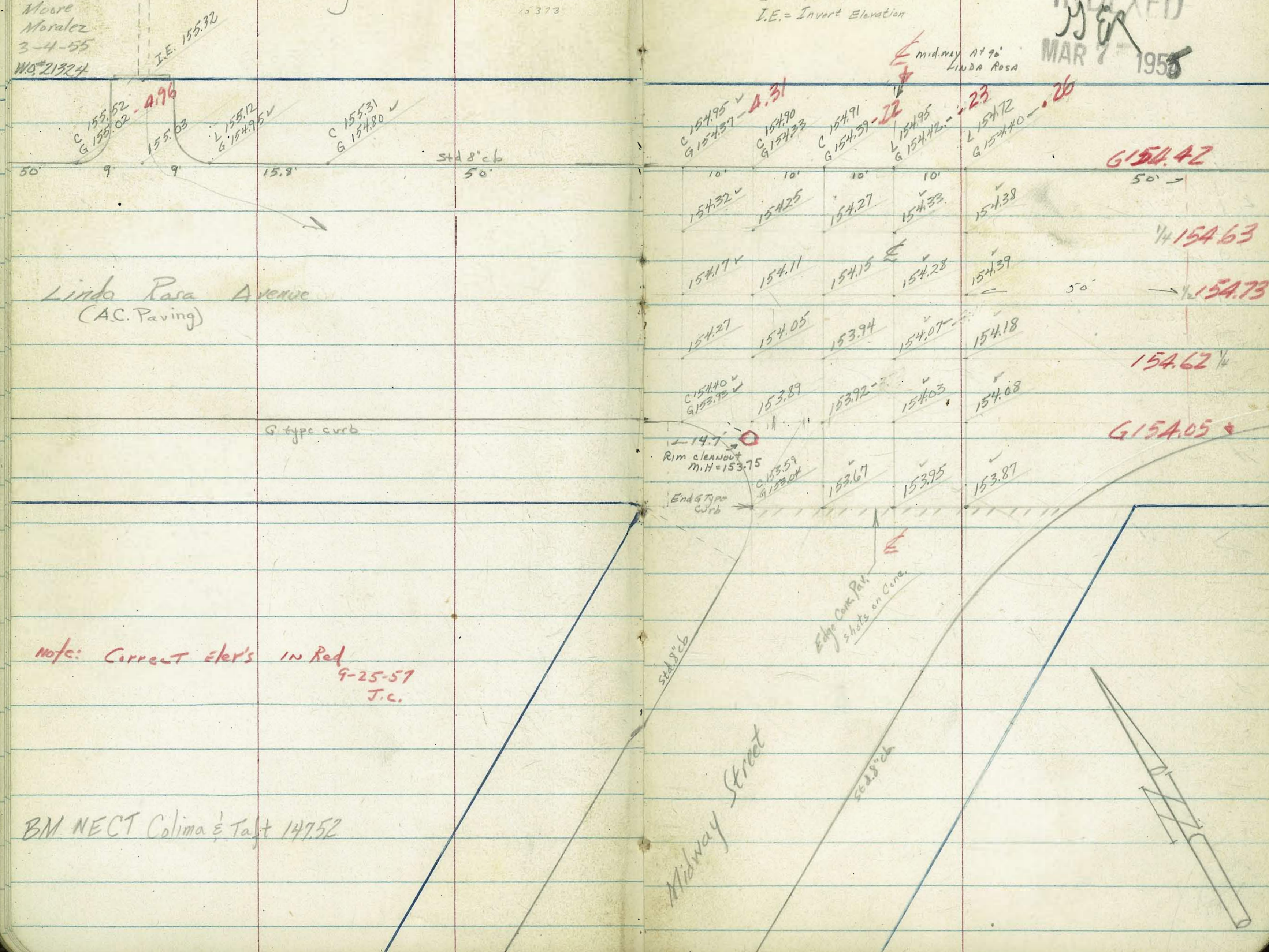
W.O. 2/300

	Lt.	℄	Rt.
		1-13-55	
	NOTE (See Sketch Pg 38)		
	2		
B.M.		32.51 ~	32.51
0+86 = Outlet to Chollas Channel		28.52 0 Outlet Elev.	
0+70 = Ely End 18" R.C.P.	35.1 34.9 10 7	28.80 0 F.L.	33.8 33.8 6 10
0+50	34.4 34.4 10 7	31.2 2	32.6 33.9 33.8 0 3. 10
0+36		34.1 0	
0+25	34.1 31.8 10 5	33.8 3	33.8 33.6 0 10
0+00 = ℄ Sta 1+00 (See Sketch)	32.9 32.2 10 3	33.13 0 On Stub	33.2 10

Topog Intersection Linda Rosa & Midway

Roberts
Rorer
Moore
Moralez
3-4-55
W.O.# 21324

C = Top Curb
L = Top Lip of driveway
G = Gutter
I.E. = Invert Elevation


I.E. 155.32
C 155.52
G 155.02 - .4.96
155.03
L 155.12
G 154.95
C 155.31
G 154.80
50'
9'
9'
15.8'
Std 8" cb
50'
Linda Rosa Avenue
(A.C. Paving)
G type curb
℄ Midway At 90° Linda Rosa
C 154.95
G 154.37 - .4.31
C 154.90
G 154.33
C 154.91
G 154.39 - .22
L 154.95
G 154.42 - .23
L 154.72
G 154.40 - .26
G 154.42
10'
154.32
154.25
154.27
154.33
154.38
1/4 154.63
154.17
154.11
154.15
154.28
154.39
50'
1/2 154.73
154.27
154.05
153.94
154.07
154.18
154.62 1/4
C 154.40
G 153.93
153.89
153.92
154.03
154.08
G 154.05
14.7'
Rim cleanout M.H = 153.75
C 153.59
G 153.04
153.67
153.95
153.87
End G Type Curb
℄
Edge Conc. Pav. shots on Conc.
Std 8" cb
Midway Street
Std 8" cb

note: Correct Elev's in Red
9-25-57
J.C.

BM NECT Colima & Taft 147.52

Contd From Page 42

Elevations on N'ly Curb Linda Rosa N'Wly of shot {C 155.52 / G 155.02} by 50's :

{C 155.92 / G 155.40}

{C 156.23 / G 155.74}

{L 156.53 / G 156.35}

{C 157.83 / G 157.36}

{C 158.82 / G 158.32}

Elevations on N'ly curb Linda Rosa S'Ely of shot {L 154.72 / G 154.40} by 50's :

{L 154.60 / G 154.44}

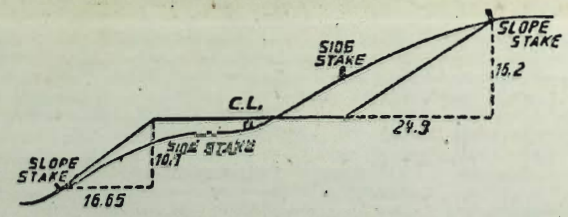
{C 154.95 / G 154.54}

{C 155.22 / G 154.92}

{C 155.83 / G 155.30}

{C 156.49 / G 156.00}

{L 157.21 / G 157.01}



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.

SLOPE 1½ TO 1. ROADWAY OF ANY WIDTH.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.00	0.15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	0
1	1.50	1.65	1.80	1.95	2.10	2.25	2.40	2.55	2.70	2.85	1
2	3.00	3.15	3.30	3.45	3.60	3.75	3.90	4.05	4.20	4.35	2
3	4.50	4.65	4.80	4.95	5.10	5.25	5.40	5.55	5.70	5.85	3
4	6.00	6.15	6.30	6.45	6.60	6.75	6.90	7.05	7.20	7.35	4
5	7.50	7.65	7.80	7.95	8.10	8.25	8.40	8.55	8.70	8.85	5
6	9.00	9.15	9.30	9.45	9.60	9.75	9.90	10.05	10.20	10.35	6
7	10.50	10.65	10.80	10.95	11.10	11.25	11.40	11.55	11.70	11.85	7
8	12.00	12.15	12.30	12.45	12.60	12.75	12.90	13.05	13.20	13.35	8
9	13.50	13.65	13.80	13.95	14.10	14.25	14.40	14.55	14.70	14.85	9
10	15.00	15.15	15.30	15.45	15.60	15.75	15.90	16.05	16.20	16.35	10
11	16.50	16.65	16.80	16.95	17.10	17.25	17.40	17.55	17.70	17.85	11
12	18.00	18.15	18.30	18.45	18.60	18.75	18.90	19.05	19.20	19.35	12
13	19.50	19.65	19.80	19.95	20.10	20.25	20.40	20.55	20.70	20.85	13
14	21.00	21.15	21.30	21.45	21.60	21.75	21.90	22.05	22.20	22.35	14
15	22.50	22.65	22.80	22.95	23.10	23.25	23.40	23.55	23.70	23.85	15
16	24.00	24.15	24.30	24.45	24.60	24.75	24.90	25.05	25.20	25.35	16
17	25.50	25.65	25.80	25.95	26.10	26.25	26.40	26.55	26.70	26.85	17
18	27.00	27.15	27.30	27.45	27.60	27.75	27.90	28.05	28.20	28.35	18
19	28.50	28.65	28.80	28.95	29.10	29.25	29.40	29.55	29.70	29.85	19
20	30.00	30.15	30.30	30.45	30.60	30.75	30.90	31.05	31.20	31.35	20
21	31.50	31.65	31.80	31.95	32.10	32.25	32.40	32.55	32.70	32.85	21
22	33.00	33.15	33.30	33.45	33.60	33.75	33.90	34.05	34.20	34.35	22
23	34.50	34.65	34.80	34.95	35.10	35.25	35.40	35.55	35.70	35.85	23
24	36.00	36.15	36.30	36.45	36.60	36.75	36.90	37.05	37.20	37.35	24
25	37.50	37.65	37.80	37.95	38.10	38.25	38.40	38.55	38.70	38.85	25
26	39.00	39.15	39.30	39.45	39.60	39.75	39.90	40.05	40.20	40.35	26
27	40.50	40.65	40.80	40.95	41.10	41.25	41.40	41.55	41.70	41.85	27
28	42.00	42.15	42.30	42.45	42.60	42.75	42.90	43.05	43.20	43.35	28
29	43.50	43.65	43.80	43.95	44.10	44.25	44.40	44.55	44.70	44.85	29
30	45.00	45.15	45.30	45.45	45.60	45.75	45.90	46.05	46.20	46.35	30
31	46.50	46.65	46.80	46.95	47.10	47.25	47.40	47.55	47.70	47.85	31
32	48.00	48.15	48.30	48.45	48.60	48.75	48.90	49.05	49.20	49.35	32
33	49.50	49.65	49.80	49.95	50.10	50.25	50.40	50.55	50.70	50.85	33
34	51.00	51.15	51.30	51.45	51.60	51.75	51.90	52.05	52.20	52.35	34
35	52.50	52.65	52.80	52.95	53.10	53.25	53.40	53.55	53.70	53.85	35
36	54.00	54.15	54.30	54.45	54.60	54.75	54.90	55.05	55.20	55.35	36
37	55.50	55.65	55.80	55.95	56.10	56.25	56.40	56.55	56.70	56.85	37
38	57.00	57.15	57.30	57.45	57.60	57.75	57.90	58.05	58.20	58.35	38
39	58.50	58.65	58.80	58.95	59.10	59.25	59.40	59.55	59.70	59.85	39
40	60.00	60.15	60.30	60.45	60.60	60.75	60.90	61.05	61.20	61.35	40
41	61.50	61.65	61.80	61.95	62.10	62.25	62.40	62.55	62.70	62.85	41
42	63.00	63.15	63.30	63.45	63.60	63.75	63.90	64.05	64.20	64.35	42
43	64.50	64.65	64.80	64.95	65.10	65.25	65.40	65.55	65.70	65.85	43
44	66.00	66.15	66.30	66.45	66.60	66.75	66.90	67.05	67.20	67.35	44
45	67.50	67.65	67.80	67.95	68.10	68.25	68.40	68.55	68.70	68.85	45
46	69.00	69.15	69.30	69.45	69.60	69.75	69.90	70.05	70.20	70.35	46
47	70.50	70.65	70.80	70.95	71.10	71.20	71.40	71.55	71.70	71.85	47
48	72.00	72.15	72.30	72.45	72.60	72.75	72.90	73.05	73.20	73.35	48
49	73.50	73.65	73.80	73.95	74.10	74.25	74.40	74.55	74.70	74.85	49
50	75.00	75.15	75.30	75.45	75.60	75.75	75.90	76.05	76.20	76.35	50

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