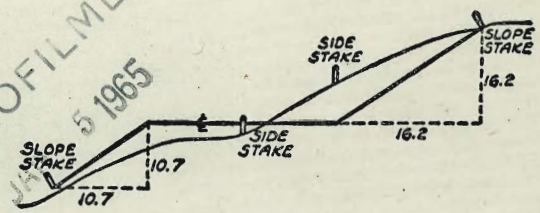




MICROFILMED  
JUN 5 1965

(43)



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

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	79	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	.771	.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	.885	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

ALIGNMENT & DISTANCES TO EXIST. STRUCTURES ALONG & EXIST. SANIT. SEWER - FRONTIER HOUSING - WING ST. TO FRONTIER ST. 1

ALIGNMENT & DIST. TO EX. STRUCTURES ALONG EX. SEWER FRONTIER HOUSING - FORDHAM TO ISLAND ST. 13

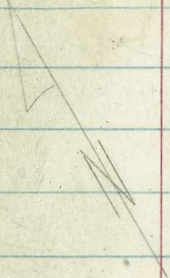
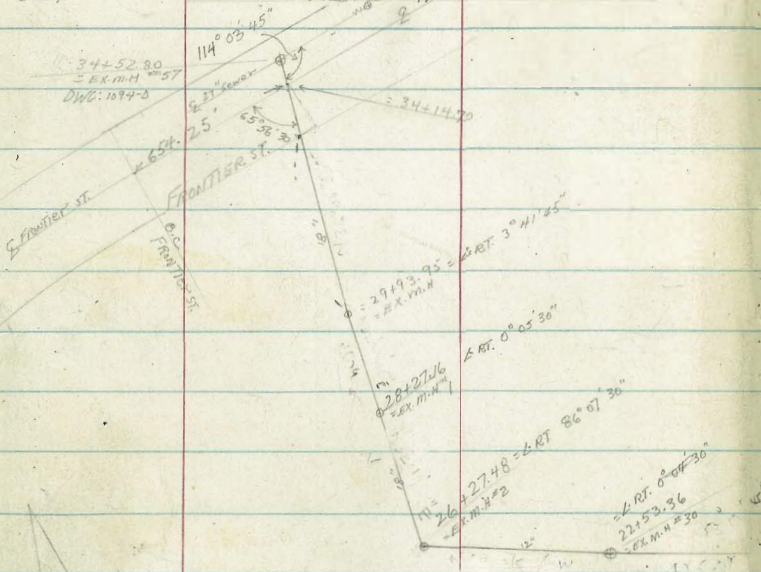
Prop. Sewer A6<sup>th</sup> + Myrtle 33

(WOODMAN - BENSON - RITCHEY) ALIGNMENT, Prop. Sewer & SKYLINED. & MEDIO ST. STAIRS, etc. 43

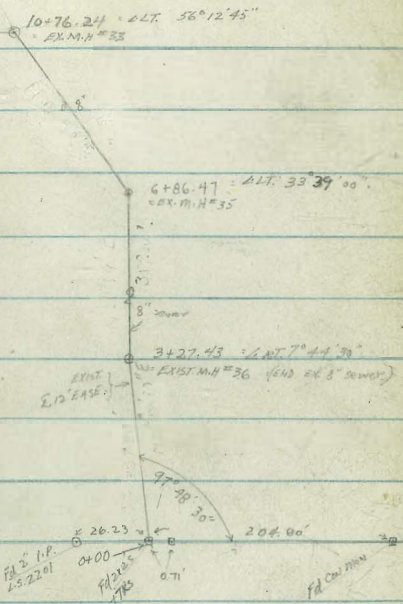
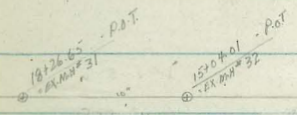
Clark  
Shepherd  
Bruner  
ONCII  
8-12-53  
W.O. 62324

ALIGNMENT + DISTANCES TO EXIST  
STRUCTURES ALONG & EXIST. SANIT.  
SEWER - FRONTIER HOUSING - WING ST.  
TO FRONTIER ST.

REF: DWG. D-561  
" 47318. " 2199  
" 10778



Sketch Not to Scale  
Notes Pg 2



N. Sky Line  
P.L. 210

NOTES: (M.H. Numbers from DWG D-561  
P.H.A. Proj. # CAL-4782

ALIGNMENT & Loc. Bldgs - EX. SANIT. SEWER  
FRONTIER HOUSING - WING ST. to Frontier ST.

NOTE: (Only those structures falling within 30'  
& EX. SEWER ARE SHOWN.)

7462.82 15.0' LT to S.E. Corn 8' Fence (and Fence)

7427.5 (END Bldg - 8' Fence)  
30.33' LT to N.E. Corn Bldg (at 90° to E. Drive)

6786.47 L LT 33° 39' 00" LT 22.8' LT to Fc N'ly CB (ex split angle)  
= EX. M.H. #35 PK area on RT.

5775.54 (Opp. Bldg)  
24.1' LT to S.E. Corn Bldg

3127.43 = L RT 7° 44' 30" 8.6' LT to Fc N'ly CB Grinnell } at 90° to Fc TAKE.  
= EX. M.H. #36 (see note on pg 1) 23.4' RT to Fc S'ly CB Grinnell }  
No. NUMBERING  
M.H.'S (32' bet. CB's Grinnell)

2714.6 = N'ly CB Fc. Centre circle

2705.7 = S'ly CB Fc Centre CB.

1778.9 S'ly CB Fc. BANJO - GRINNELL.

0+00 = 2x2. Hub on N'ly line PL-210  
4' E EXIST 12' BASEMENT.  
V8 NING ST. SW'ly

Frontier Sewer (cont)

12+89 20.6 RT END Bldg

12+14 11.5 RT E Pole (no #)

12+00 NWly CB FC Grinnell

11+60.4 20.45 RT Beg Bldg (only 20.75 deep)  
0.30 RT END Fence

11+20 0.40 RT Beg 8' Board Fence

10+76.24 L.LT. 56° 12' 45" 20' RT E Pole (no #) at 90° to RR track  
= M.H. #33  
EXIST.

9+92.79 E FC NWly CB Grinnell

9+18.84 30.3' LT - END Bldg (NWly curb)

8+43.42 NWly CB FC at E Sewer

8+07.82 NWly CB FC at E Sewer

7+90.92 20.7' LT Beg Bldg (SEly curb)

Frontier-Sewer-(cont.)

7

16+37.75 23.8 RT. END Bldg

16+14 23 RT Beg Bldg

15+44.7 12.0 RT & Pole (No #)

15+04.01 = P.O.T 7.75 RT to N/4 CB. GRINNELL  
= E.A.M.H 32

13+71.5 9.0 RT & Pole (No #)

13+59.25 = N/Wly " " " RT (N/4)

13+49.7 = N/Wly CB Line Fordham (S/4)

13+17.7 = S/Ely CB Line Fordham to H. (S/4)

13+0.9 = S/Ely CB Line Fordham to RT (N/4)

13+0.1 16.0 RT & Pole (No #)

12+94.1 7.75 RT - E.C. N/4 CB.

Frontier - Sewer (cont.)

19+59.55 23.0' RT END Bldg

19+28.8 23.8 RT Bdy Bldg

18+70.55 23.8 RT END Bldg

18+49.8 23.0' RT Bdy Bldg

18+36 12.0' RT E Pole (No #)

18+26.65 = P.O.T  
= ex. M.H. 31

785 RT to CB FC

17+13.75 23.0' RT END Bldg

16+93 23.8 RT Bdy Bldg

16+81.7 12.0' RT E Pole (No #)



FRONTIER-SEWER (CONT.)

23+42.75 23.9' RT END Bldg

23+22 23.0' RT Beg Bldg

22+94.5 12.3' RT & Pole (No #)

22+53.86 4' RT 0° 04' 30"  
= EX. M.H. #30

24.0' LT to CB - 70° BR Tang  
RIG area ON RT.

21+86.15 23.0' RT END Bldg

21+65.4 23.8' RT Beg Bldg

21+43 12.5' RT & Pole (No #)

21+07.15 23.8' RT END Bldg

20+86.4 23.0' RT Beg Bldg

19+93 12.5' RT & Pole (No #)

FRONTIER - SEWER (CONT.)

25+57.5 22.6 RT Beg Bldg

25+38.5 11.9 RT E Deadman

25+19.5 { 12.0 RT E Pole (No #)  
19.3 RT E Deadman

25+06.2 = Projected Whly CB Line Hartwick  
Across Essex

25+03 21.0 RT E F.H.Y.D.

24+95.17 = Whly CB Fe, Hartwick - At entrance to PRG Area - RT  
↓ END GRINNEI

24+43 12.2 RT E Pole (No #)

24+22.75 23.0 RT FNS Bldg

24+02 23.8 RT Beg Bldg

Frontier - SEWER (CONT.)

28+56 18.9 LT E LIGHT ST'D.

28+48 23.8 LT end Bldg (at 91° E sewer)

28+27.16 L RT. 0° 05' 30"  
= EX. M.H. #1

28+23.6 25.75 LT Beg Stucco Bldg (store)

28+23. 20.3 LT END Fence

27+96 22.1 LT END BRK WALL + Beg 5' Board Fence

26+52. 31.9 LT Beg 5' Conc. BRK WALL (SE 2) Wall of TRAILER COURT.

26+27.48 L RT 86° 07' 30"  
= EX. M.H. #2

25+93.3 12.5 RT E Pole (No FD)

25+78.25 23.4 RT END Bldg

EX. FRONTIER SEWER (CONT.)

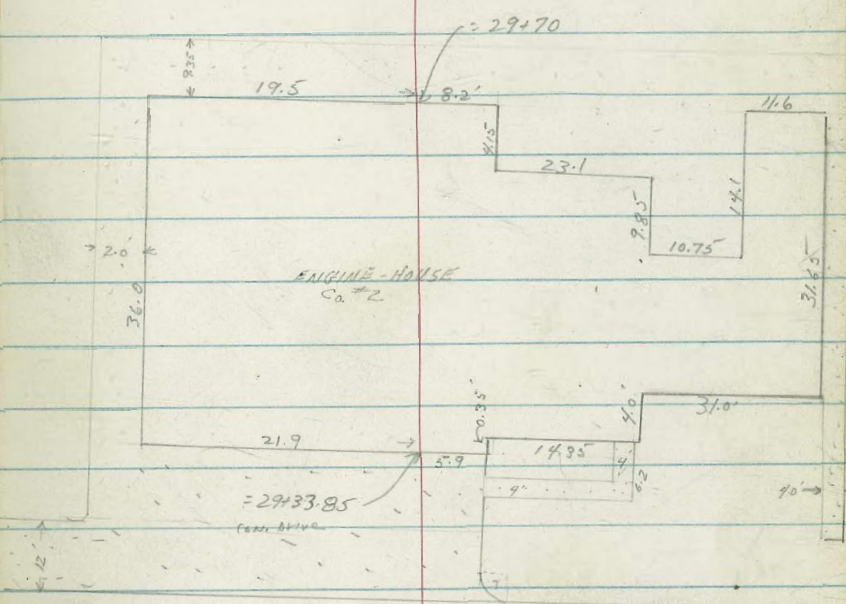
30+90 19 1/2" & 12" Tree

30+53 19 1/2" & 12" Tree

29+93.95 = EX. M.H. { 10.25 N'ly edge Prop. Pardon (Ordin. Plat. Cold L.A. strip 21' wide)

29+93.95 = EX. M.H.  $\oplus$  Sewer

29+70 = N'ly wall Eng. House



(See sketch at RT For Loc. Bldg in Ref. to Sewer)

29+33.85 = S'ly wall Fire-Engine House Co. #2

29+13.5 18.3 RT & Pl. # JP 473

29+12.75 = N'ly CB FC Midway Drive (DRIVEWAY Same Note)

28+56.75 = S'ly CB FC Midway Drive

$\oplus$  Sewer

EXIST. SEWER FRONTIER (CONT.)

3473580 = N/4 Edge Pav. Frontier St.

33+92 = S/4 Edge Pav. Frontier St.

33153 9.5' LT NW/4 END, Cold-ly strip Purdue  
10.5' RT 4. S/4 END " " " "

3195 18.0' LT E 14" Tree

3187 18.0' LT E 10" Tree

3170 18.0' LT E 8" Tree

3162 18.0' LT E 10" Tree

31413 18.5' LT E 12" Tree

EXIST SEWER FRONTIER (cont.)

34+52.80

EX. M.H. & 27" Sewer Frontier ST  
RT. 65° 56' 15"

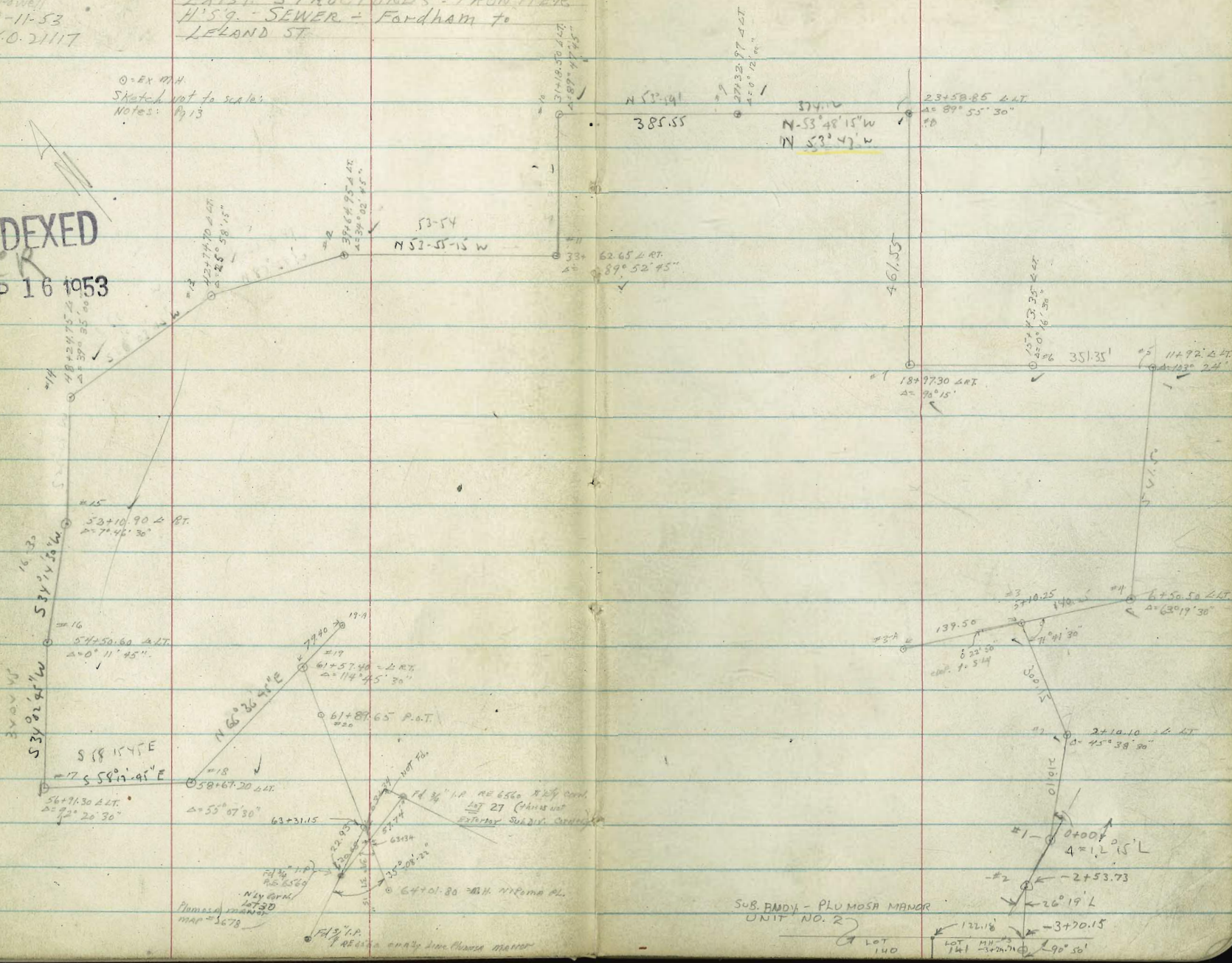
INDEXED  
AUG 20 1953

Clark  
Brunch  
Oweil  
Pawell  
9-11-53  
W.O. 2117

ALIGNMENT & DISTANCES TO  
EXIST. STRUCTURES - FRONTIER  
HISG. - SEWER - Fordham to  
LELAND ST.

EX M.H.  
Sketch not to scale  
Notes: P. 13

INDEXED  
SEP 16 1953



SUB. BODY - PLUMOSA MANOR  
UNIT NO. 2

LOT 140  
LOT 141

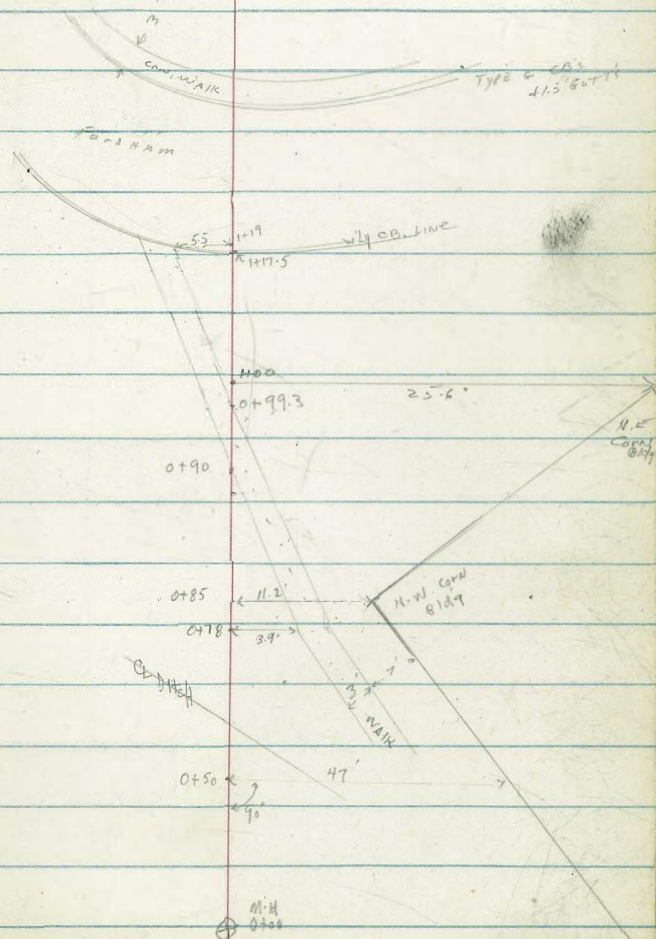
## FRONTIER H'S NG SEWER:

Fordham to Leland St.

Note: only these structures within 30' of EX. SEWER are shown.

- 1+51 = ELY CO F<sub>2</sub> Fordham
- 1+19 = 5.5 LT END 3' CON. WALK
- 1+17.5 = W/4 CB FC FORDHAM } TYPE G C/S  
139 ASPH. Pav. } 1.5' CON. GUTTS
- 1+00 = 25.6 RT N.E. CORN Bldg
- 0+99.3 = ELY Edge WALK
- 0+90 = W/4 edge walk (W/4 - S/4 walk)
- 0+85 = 11.2 RT to N.W. CORN Bldg
- 0+78 = 3.9 LT to 3' CON. WALK
- 0+64.5 = 5' wide DRAINAGE ditch
- 0+50 = 47 RT to N/4 W/4 Bldg
- 0+00 = EXIST. M.H. 117' W/4 FORDHAM ST.  
(spool m.h. cover) (see sketch)  
opp pg.

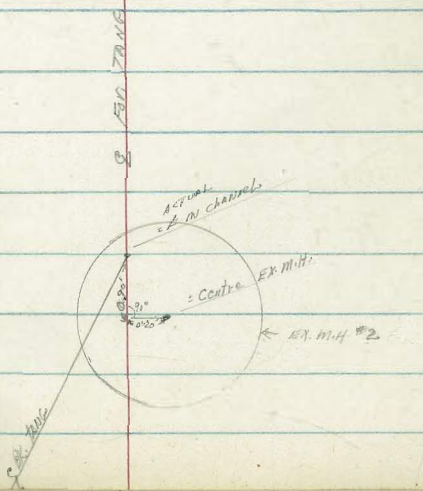
EX. SEWER





Frontier SEWER (Cont.)

- 3419 11.1 RT Beg Bldg (N.Wly Corn.)
- 3408 E' + W'ly 5' Board Fence  
12. RT to END  
8.3 LT " "
- 2193 = E. E' + W'ly 3' wide Cold-Lay Drainage Ditch
- 2166 Ely } 7' Board Fence  
W'ly }  
7.8 LT to END  
17.5 RT to END
- 2157 13.1 RT END Bldg (N.Ely Corn.)
- 2136 13.1 RT Beg Structure (Bldg) <sup>N.W. Corn</sup>
- 2126 { 7' Board Fence (Ely + W'ly)  
7.1 LT W'ly END Fence  
13.2 RT to Ely END Fence
- 2101.0 = M.H. #2  
(Cor. M.H. + Wood Cover) L.LT 45° 38' 30" (See Det. RT. For Low M.H.)
- 1454.7 = Ely Edge Con. Walk (3' wide - Needs BK CO.)
- 1452 17.4 RT E. Fire Hy.



FRONTIER SEWER (CONT)

Note: 15.15 AT 90° to Fwd. tang. to  $\pm$  3' Nly CONC. GUTT.

5710.25 = M.H. #3 (see sketch Pg 12 For loc. #3A)  
(conc. m.H. + man. cover)

4492.5 =  $\pm$  3' CONC. GUTT.

4473.6 = 5.4' CB Fe Fordham Pl.  
100g. Asph. Pav.

4447 E-Wly 7' Fence  
11.0' LT to END Fence  
15.0' RT " " "

4435.1 13.6 RT END Bldg (N'ly Cor.)

4414.4 } 18.9 RT Bay Bldg (N'ly Cor.)  
- E-Wly 7' Board Fence  
15.1 LT END " Fence  
10.9 " " "

3778 E-Wly 7' Board Fence  
11.4 LT to END  
9.1 RT " "

3740 9.5 RT. END Bldg (N'ly Cor.)



FRONTIER SEWER (CONT.)

8+06. 1.5 RT WLY Edge 2.0' CONC WALK AT APPROX 9' to Fordham

8+54 = SWLY Edge 3.0' Wide CONC WALK (Trash + Garbage area)  
1.0' LT CB FC  
2.5' RT. SLY Edge WALK

8+44 = CB FC SLY Fordham ST.

8+27 9.8 RT Beg 1' Board Fence

8+21 { SWLY Edge OF SLY 3' CON. GUT Fordham ST.  
END PAR

8+14 40.3 RT to S-ELY Corn. Bldg.

8+05.5 21.1 RT to N-ELY Corn. Bldg.

8+00 7' RT to SLY CB FC Fordham ST.

7+50 71.5 RT to N-ELY Fe. Bldg.

7+19.6 = SLY Edge con (3') GUT  
Beg PAR.

7+15.3 17.5 RT END Bldg (S-ELY CORN).

## FRONTIER SWER (CONT.)

- 10121 13.0 RT & Pk in  $\pi$
- 9191.5 22.2 RT END ALG (N'LY CORN)
- 9184 = N'LY Edge of sly 3.0' CONC. GUTT. Fordham
- 9173 21.1 RT to Bldg Fe  
11.2 RT to N'LY Edge CONC. WALK (END WALK here)
- 9164.1 = CB Fe - sly Fordham
- 9155 9.5 RT N'LY Edge 3.0' WALK (Beg widening here to meet Bldg  
19.6 RT to Fe. Bldg here)
- 9116 6.4 RT to N'LY Edge WALK (END WIDENING)
- 9100 { 5.2 RT N'LY Edge 3.0' WALK (widens here to meet Bldg)  
3.5 RT to CB Fe (sly ca Fordham)  
15.1 RT to N'LY Fe. Bldg (continued)
- 8168 { END 3' CONC WALK along CB (Trash & garbage area)  
7.3 RT END 2.0' WALK (to % Fordham)  
(2.8 RT) N'LY Edge 3.0' CONC. WALK approx. 11 to Fordham
- 8167.7 12.6 RT Beg (N'LY CORN)  
Bldg

## Frontier Sewer (CONT)

- 11+64 = S'ly Edge WALK (30' CONC WALK - Meets  
type of CS4 3'0 GUTT. S  
KANYON ST.  
(No WALK along W'ly edge  
KANYON))
- 11+59.3 6.1 RT E EXIST WATER GATE
- 11+28 28.0' LT to N'ly CORN. Bldg
- 11+18.5 9.2 LT to S'ly CORN. Bldg
- 11+16.3 = E'ly Edge 2.0' WALK
- 11+14.2 = W'ly Edge 2.0' CONC WALK approx 70° to Fordham
- 11+05 = BK 30' CONC WALK along N'ly CB Fordham
- 10+96.1 = N'ly CB FC Fordham
- 10+87.3 = S'ly Edge N'ly 3'0 CONC GUTT Fordham  
42.2 LT to S'ly FC Bldg
- 10+50 18.1 RT to E S'ly CB Fordham  
15.5 LT to " N'ly " "

## FRONTIER Sewer (CONT.)

15758.55 { E 21.947 to NELY Edge 2.5 x 3.0 inlet  
 (E 5.6 RT to S.W. Edge 25' 3.0 inlet  
 8.1 to C.A.F.C.)

15143.35 = M.H. #6  
 P.O.T. 8.1 RT CB FC N.ELY Kenyon  
 239 HT CB FC S.W. Kenyon

15100 83 RT CB FC

14196 816' Drive HT

14100 81 RT FC CB

13100 80 RT FC CB

12100 82 RT FC CB

11192 = M.H. #5  
 L.L. 103' 24'  
 (Conn. M.H. - man cover)  
 { 82 RT 90° for. turn to NELY CB FC Kenyon  
 238 HT " " " S.W. " " "

11170.5 = Edge gutter  
 Day Pav.

11167.4 = CB FC - S.W. Kenyon

## FRONTIER SEWER (CONT.)

9.8 RT CB FC. 7° BK tang.

18+97.30 M.H. 7

L RT 90° 15'

(Conc. M.H. - wood cover)

18+68 25.2 RT END Bldg (w/ly cover)

18+47 24.2 RT Bq Bldg (5/4 cover)

18+00 9.3 RT CB FC.

17+79 216.0 Drive RT. Enters PKg area

17+11 23.5 RT END Bldg. (w/ly cover)

17+00 8.9 RT CB FC.

16+90 24.3 RT Bq Bldg (5/4 cover)

16+00 8.4 RT CB FC  
23.6 LT CB FC



## FRONTIER JEWEL (CONT.)

- 21492 35.6 RT Bog Bldg
- 21490 { 34.5 LT Bog Bldg  
17 3 LT END Fence
- 21451 15.0 LT Bog 7' Board Fence
- 21450 Bog Lawn-area
- 21400 END LAWN
- 20491 15.0 LT END Fence
- 20452 35.1 RT END Bldg (N44 corn)
- 20451 { 15.0 LT Bog 7' Board Fence  
35.2 LT END Bldg (Ely corn)
- 19424 { 29.9 to Sly Corn Bldg  
30 RT Wly Corn Bldg
- 194071 = CH. F. N44 Kenyon - Bog LAWN BR. CORN
- 194041 Edge 3.0 Corn QUITS  
END PAT

## Frontier Sewer (cont.)

27+22.5 14.2 LT Bq 6' Round Fence

28+49 12.5 RT &amp; Pole No. 4

27+67 21.7 RT Bq 5' conc. BK WALL

27+32.97 M.H. #9 (-26+27.48 Wing to Frontier St. Sewer)  
L. LT 0° 12' 00" P. 8

Note: For outs to EXIST. improvements M.H. 8 to #9 See Pgs 6-8 this Book

24.0 LT C.B.F.C. at 90° BK lane  
PK C Area RT.23+58.85 M.H. #8 = (22+53.36 on wing to Frontier St. Sewer line)  
L. LT 89° 55' 30" P. 623+37.8 N/E edge gutter  
Bq Pav.

23+34.8 = C.B.F.C. S'Wly Grinnell

23+19 30.1 RT END Bldg (N/Ey' curb)

23+18 29.7 LT END Bldg (E/Wy' curb)

## Frontier Sewer (Cont.)

- 3490.9 = CB. E. Sily PKG Area - DIKE  
Byg. Parc
- 30187.4 = BK Edge 3'0 WALK PKG-AREA SELY DIKE
- 30178 13.6' LT END Bldg (wily corr)
- 30142 10.0' LT END Conc. Parcl
- 30133 10.0' LT Byg Conc. Parcl  
(Parcl marks Bldg)
- 29199 13.1' RT E Pole No #
- 29192 4.4' LT E 2.5 x 2.5 CONC SLAB  
29186.5 10.2' LT END Conc. Parcl
- 29177.5 10.3' LT Byg - Conc. Parcl (Parcl marks Bldg)
- 29172.5 4.4' LT E 2.5 x 2.5 CONC SLAB
- 29153 13.8' LT END Fence - Byg Bldg (wily corr)
- 29152 22.3' RT END CONC AIR WALL

## FRONTIER SEWER (CONT.)

- 36+00 7.7 LT C.B.F.
- 35+26 22.6' LT ENO AHA (N.W. CORN)
- 35+00 7.7 LT C.B.F.
- 34+01 22.6' LT BRY BHA (S.E. CORN)
- 34+00 7.9 LT C.B.F. (S.W. CORN LAM ST.) TYPE G. USE  
24.1 RT " " N.E. " " 13.00 CON. GUTTS
- 33+77 15.9 RT E SAN DIEGO CITY M.H. SEWER
- 33+62.63 M.H. #1 (IN EARLHAM ST.)  
L. AT 89° 52' 45"  
(CONC. M.H. - WOOD COVER)
- 33+00 26.15 RT C.B.F.
- 32+00 26.25 RT C.B.F.  
PKG AREA HT.
- 31+18.50 M.H. #10  
L. AT 89° 47' 45"  
(CONC. M.H. WOOD COVER)
- 31+08.8 E 3' CONC. GUTT
- 26.7 RT AT 90° FOR TANG. TO N.W. CORN DUKIE ST.

## Frontier - Sewer (cont.)

41+99.5	27.0	LT	N'W'ly corn. Bldg.
41+78	26.7	LT	N'ELY corn Bldg.
41+15			= CB FC LT
41+00	0.30	LT	FC CB
40+94	6.4	LT	E. Fin Hyd
41+86	8.3	LT	SPole N <sub>2</sub> #
40+57	20.5	LT	N'ly corn. Bldg
40+33	26.8	LT	S'ELY corn Bldg
39+64.85 = M.H. 12			7.3' RT CB FC at 90° DR TANG.
∠ LT 34° 02' 45"			25.6' LT CB FC " " "
38+73.6	27.5	LT	N'ly Corn Bldg
38+54.1	23.2	LT	S'ELY Corn Bldg
38+10	10.4	LT	E. Fin - Hyd
37+42	16.1	RT	E. EX. SAN DIEGO CITY M.H.

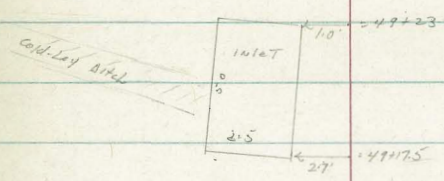
## Frontier Sewer (cont.)

46+02	13.3 RT E Pole No #	
45+36	E 16.0 Drive RT - ENDS PIG AREA	
45+00	8.1 RT CB FE	
44+68	22.7 RT END NLY	
44+47.5	23.7 RT Beg NLY	
44+15	13.2 RT E Pole No #	
43+67	25.4 RT END NLY (S. W. 2 <sup>nd</sup> Cor)	
43+46.4	23.6 RT Beg NLY (S. W. 2 <sup>nd</sup> Cor)	
	24.8 LT CB FE	
43+00	7.2 RT CB FE	
	11.9 RT to SLY Edge AT 90° to FOR TANG	3.0 NLY CUTTER BARNARD ST (DRIVE ON VT - PIG AREA)
42+74.70	M. H. #13 E-LT 25° 58' 15" (can with wood cover)	

FRONTIER SOWER (CONT.)

SOWER

- 49+17.5 2.7 RT Bag inlet (See sketch RT)
- 48+95 8.4 LT & DEADMAN
- 48+89.4 14.2 LT NW 1/4 corr. Bldg
- 48+88 1.0 LTR Anchor Pole # 578951-14
- 48+85.5 5/4 CB Fa. BARNARD
- 48+69 25.2 LT NW 1/4 corr. Bldg
- 48+62 7.2 LT NW Edge 2.5x3.0 inlet (on S inlet)
- [H.O. RTE 2.5x3.0 inlet
- 48+24.75 M.H. #14  
2 LT 39° 35'  
(con. with Wood cross)
- 48+22 13.6 RT & Pole no #
- 48+00 7.75 RT CB Fa
- 46+24 23.3 RT END Bldg
- 46+03 22.7 RT Bag Bldg



FRONTIER SEWER (CONT.)

E  
SEWER

55+59 - 13.0' RT E Pole No #

54+50.60 - M.H. #16  
LT 0° 11' 45" 4.9 RT Edge 3.6 CONC GUTT. (PKG AREA RT)

53+41.5 13.4 RT E Pole No #

53+00 8.3 RT C.B. FC

52+10.90 - M.H. #15  
LT RT 70° 46' 30"  
(CONC. MANHOLE - 4000 GAL)

16.7 RT. C.B. FC AT 90° FOR TANG  
15.3 LT C.B. FC " " " "

51+00.6 - C.B. FC. BARNARD  
(S/LY)

50+62 3.7 RT E Fire Hydr.

50+21.1 - C.B. FC. CB - RETURN  
2.6' RT TO CB END (RETURN PKG AREA)

49+86 7.2 RT - C.B. END - RETURN AT PKG AREA  
CB.

49+80 15.9 RT E Pole No #

49+17.0 2.7 LT END INLET

PKG AREA

50+21.1

49+86

CATHERINE

SEWER



FRONTIER SEWER (cont)

60+96 = 5' 4.0' wide cold-lay pipe (ditto // + CB)

60+66.3 = 5 1/4' CB FC LELAND

60+00 } 21.4' RT CB FC  
10.9' RT CB FC

58+67.20 = M.H. #18 6.3' RT CB FC 90° To For tang  
29.1' LT " " " " " "  
∠ LT 55° 07' 30"  
(Cone M.H. Wood Cover)

58+60 12.7' LT 9' EXIST SD. CITY M.H.

58+00 4.5' LT CB FC (ON CURVE)

57+40 5.1' LT = FC CB RT LELAND ST. (TYPE 6 OBS 1.5' GOTT'S)

57+27 16.8' LT E Fire Hydr.

57+19.5 14.5' LT E 25x30 INLET (on curve)

56+91.30 M.H. #17 } 8.1' RT CB FC AT 90° BK tang  
∠ LT 92° 20' 30"

56+76 5.5' RT to sky edge 25x30 INLET (ON 2 INLET)

56+68 12.7' RT E Pole no #

56+00 8.0' RT CB FC

FRONTIER SEWER (CONT.)

62+19

6.0 LT to N.W. Corn Bldg  
6.0 LT END Picket Fence

61+92

6.3 LT Beg 4.0 Picket Fence

61+89.65 = M.H. #20

P.O.T.

Conc. & Steel core

61+71.1

FC. 5.0 HEADWALL, 1.0' thick  
2.5 LT + 2.5 RT to END wall

61+57.40

RT. 114° 45' 30"  
(Conc. & Steel. m.H.)

PORT to sly CB FC. at 70° OR tang.

+79.7 = M.H. #18

(Con. MH & Wood Cover)

+ 50.1

= sly CB FC. to LAND ST.

+ 25' ahead

• E 4' Gilley ditch

NOTE: 79.40' ahead to m.H. 19-A - Above Notes show improvements  
+ Dist's are ahead of M.H. #19 (below)

61+57.40 M.H. #19

8.1 H to sly CB FC. to LAND

FRONTIER SEWER (CONT)

64101.80 = 6.3 RT NWLY CB FC.  
M.H. NIPOMA PL.

63139 6.6 RT = END CB NWLY NIPOMA PL

63130.5 = Edge Pav. NIPOMA PL.

63129.5 = Barricade (Steel wire & 6"x8" Posts) (along edge P.V.)

62186.5 30.1 LT = <sup>END</sup> CB-S'ELY NIPOMA PL.

62175.5 = E 5' wide Cold-Lay ditch

62169 = E 5' <sup>wide</sup> Cold-Lay DRAINAGE DITCH

62155.5 = E-Wly Fence  
5.5 RT END OF FENCE  
20.7 LT END OF FENCE

62138 14.4 LT S'ELY CORN RD

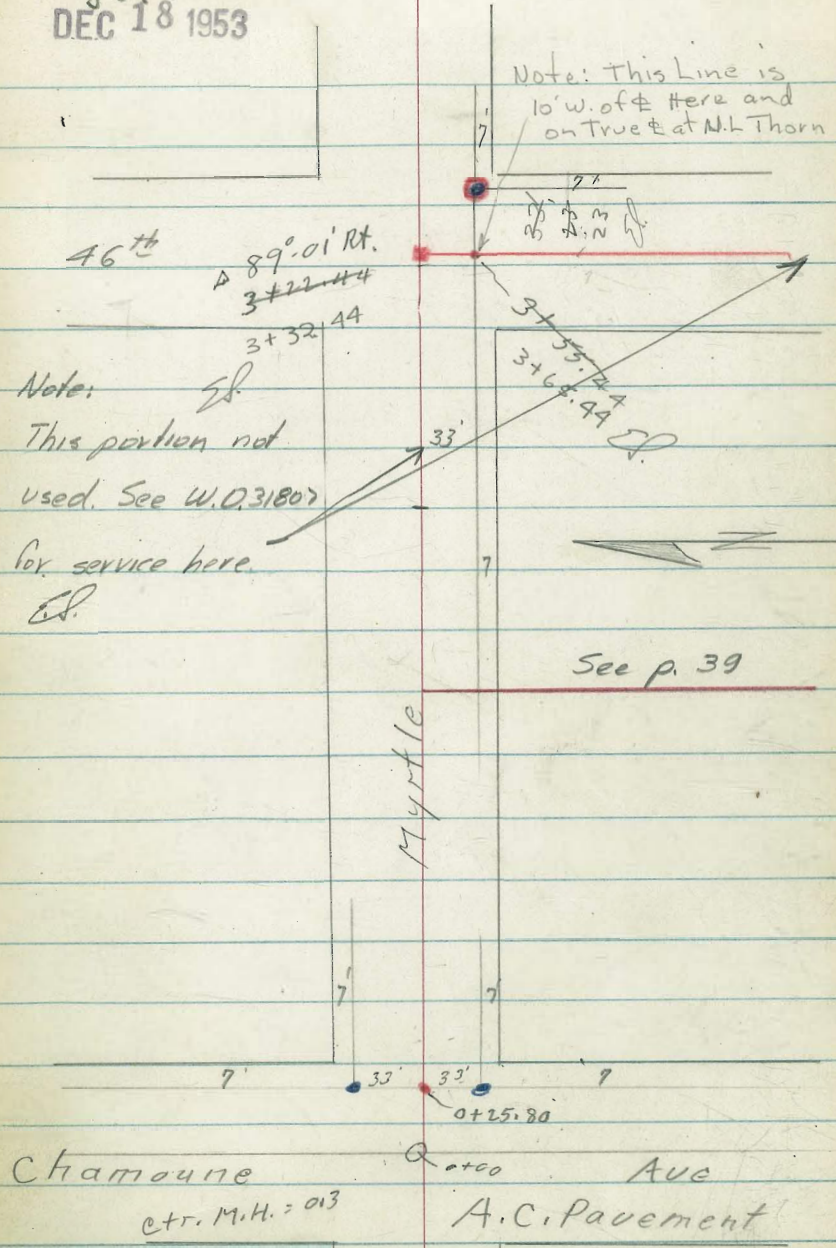
62121.5 = 18' E-Wly Board Fence  
6.4 LT END FENCE  
19.6 RT " "

Proposed sewer → not used.

Myrtle Ave. - Also 46th St.  
 12-16-53  
 C.H.S.  
 Begg  
 Altman  
 Schelin  
 Alley Blk 8, Bungalow Pl  
 W.O.# 32383

- denotes Fd L+T.
- ◻ " { Fd. 1/2 hub partly rotten - replaced with new 1/2" disk
- = set nail.
- ◻ ~ " 1/2" Hub
- B.M. =
- F - denotes floor level

INDEXED  
 JER  
 DEC 18 1953



Myrtle Ave  
also 46th St.

1+00

5.5  
<sup>332.18</sup>

0+60 45' Mt. = E House

<sup>333.08</sup> 4.6  
<sup>335.28</sup> 2.4  
45 45  
End F

F. denotes floor level

0+52 48' Lt. = E House

<sup>336.08</sup> 1.6  
48  
F.  
<sup>337.78</sup> 2.9  
48  
End

0+50

Notes Reduced 125-54  
C.A.H.

<sup>333.68</sup> 4.0

= end A.C. Pave.

0+32.80 = Ely line Chamoune

<sup>334.08</sup> 3.60

0+00 = .3 North of Ctr. M.H. cover

<sup>334.84</sup> 2.84  
<sup>318.68</sup> 19.00  
0.3  
IE

337.68

1.79 337.68

335.89

N.W. B.P. Chamoune + Myrtle

2+50

±

<sup>327.78</sup>  
9.9

2+45 47' Lt. = ± House

<sup>331.28</sup> 6.4    <sup>329.38</sup> 8.3  
47    47  
F    Grd.

2+00 47' Lt. = ± House

<sup>332.16</sup> 5.5    <sup>330.38</sup> 7.3    <sup>328.78</sup> 8.9  
47    47  
F    Grd.

line under construction  
1+74 = Cross trench for water

← Wt. line I.E = 325.00  
From profile

1+50

<sup>329.58</sup>  
7.1

1+32 48' Lt. = ± House

<sup>333.28</sup> 4.1    <sup>331.88</sup> 5.8  
48    48  
F    Grd.

1+13 45' Rt. = ± House

<sup>331.28</sup> 6.4    <sup>333.78</sup> 4.3  
45    45  
Grd    F

337.68

3+55<sup>44</sup> = Sly. 7' line Myrtle

3+50

3+28- 3' Rt. = ctr. of cluster of 5  
Mail boxes on  $\frac{1}{4}$ "  $\frac{1}{4}$ " posts.

T.P.  
Hub. 3.16 329.49<sup>ok</sup> 11135 328.33<sup>(?)</sup> 326.33

3+22<sup>44</sup>  $\Delta$  89.01 Rt.

3+00

2+80- 47' Lt. =  $\Phi$  House

House Faces 46 <sup>ok</sup>

2+70 50' Rt. =  $\Phi$  House.

$\Phi$   
326.49  
3.0

326.49  
3.0

329.49 (ok)

328.33  
11.35  
Hub  
+ G.I.

327.28  
10.4

328.88 327.78  
8.8 9.9  
47 47  
F Ord

327.88 328.88  
10.3 8.8  
50 50  
Ord F

337.68

± = 10' Rt. of Tree ±

5+00

<sup>319.89</sup>  
9.6

4+93 - 82' Lt. = ± House

Back of Lot is Low.

4+78 - 100' Lt. = Pick up Pt. - 18" cut

4+50

<sup>324.89</sup> 4.8  
82  
F

<sup>323.39</sup> 6.1  
82  
Grd

22.7  
100 = gr.

<sup>20.8</sup>  
<sup>320.19</sup>  
7.3

4+30 42' Rt. = ± House  
70' Lt. = ± House

<sup>325.39</sup> 4.1  
70  
F

<sup>324.29</sup> 5.2  
70  
Grd

<sup>323.39</sup> 6.1

<sup>324.49</sup> 5.0  
42  
Grd

<sup>324.49</sup> 3.0  
42  
F.

4+15 - 131' Lt. = Pt of Pick up by Tank - 2' cut  
will do for House in Back

19.1  
131 = gr.

<sup>224.89</sup>  
4.6

3+97 - 116' Lt. = Pick up pt. - 18" cut of lot.  
New house to go on front

18.05 = cone walk

3+90 - 116' Lt. = ± House

<sup>318.29</sup> 11.2  
116  
F

<sup>318.09</sup> 11.4  
116  
Grd

<sup>317.89</sup> 9.6  
100

<sup>225.49</sup> 4.0  
30

<sup>225.39</sup> 4.2

329.49



Existing <sup>Roadway</sup> grade of 46<sup>th</sup> St.  
could be raised

7+00

318.99  
10.5

6+45 53' RT =  $\pm$  House

318.19 319.59 321.29 322.99 324.89  
11.3 9.9 8.2 6.5 4.6  
29 31 53 53  
F

6+00

318.39  
11.1

5+50 95' Lt =  $\pm$  House

322.89 320.19 318.19  
6.6 9.3 10.7  
95 95  
F G.d

5+45 - 132' Lt = Pickup Pt. - 12" cut.

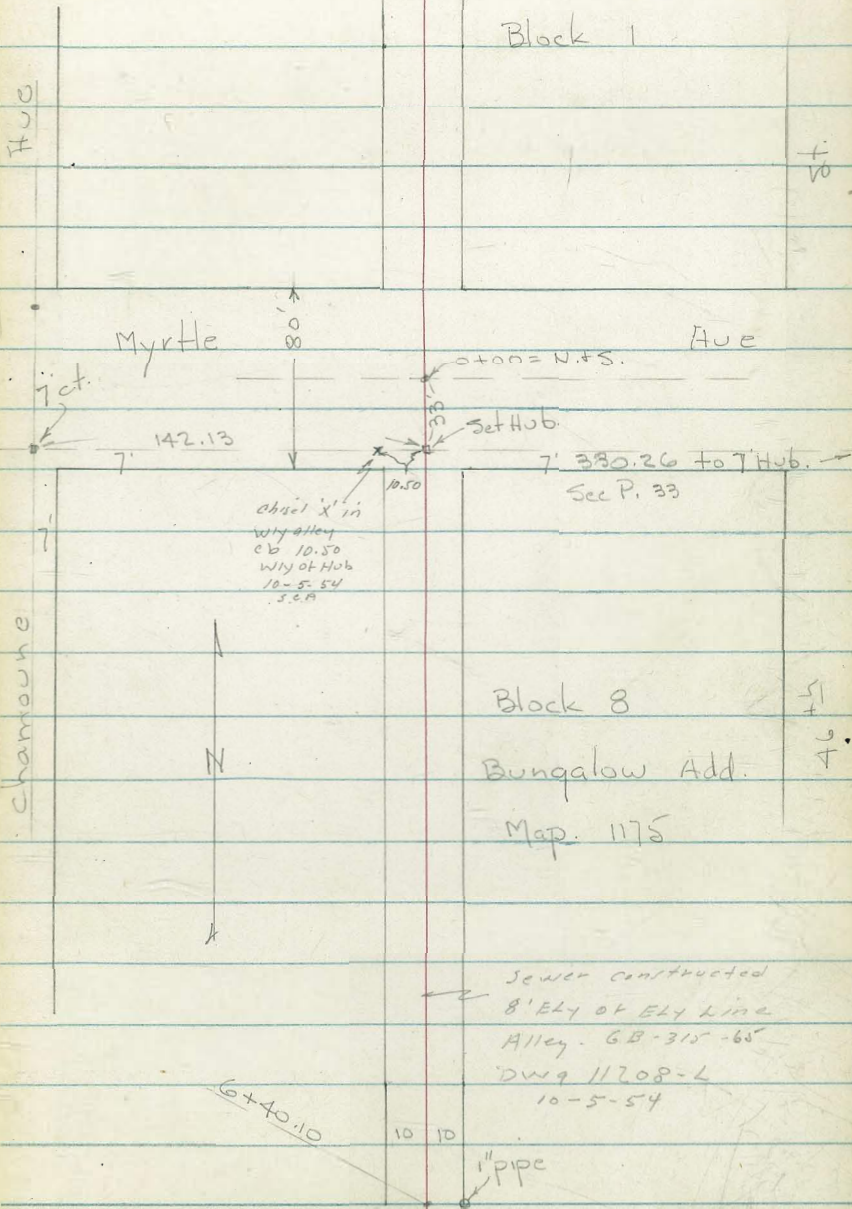
21.2  
132 = 91.

5+35 44 RT =  $\pm$  House

322.79 326.81  
6.7 3.4  
44 44  
G.d. F

329.49

Proposed Sewer  
 Myrtle Ave, Alley Blk 8  
 Bungalow Park.



Lt.      E      Rt.

Survey for Prop. Sewers in Alley's

- Block 1 + 8 Bungalow Add. - See sketch

P. 39 - W.O. 32383 - 3-1-54 - 7.0

Beg. Levels along E Alley - Blk. 1 (To N.)

2+40 - in Canyon

19.9

2+00 = edge of Canyon

27.0

1+77 - 66 Rt. = Pick up - 4" Soil pipe from House  
wly. House - shown below can get in this line.

29.0

25.36

27.45

66 =  
Top 4" pipe

floor.

1+50 - 14' Rt. = S.W. Cor House

30.2

31.27 = floor  
14

1+20

31.2

See P. 35 + 36 for houses to E.

0+80 - 39' Rt. = Pickup Pt. - 2' cut below  
gr. will do.

31.5

30.1 = Gr. 32.42  
39 floor  
House

0+57 - 5' Rt. = E 36" Pepper

0+40 = NL Myrtle

30.8

0+00 = E Alley + Myrtle  
Myrtle

30.0

B.M. = B.P. U.W. Chamoune +

335.89

300' fig. Not Noted

P. 34

Actual Elev. shown

Lt.

E

Rt.

41

Beg. Leuchs in Block 8:

3+38- 108' Lt = Pass. pt. of pick up? (No information) 24.93 floor. 24.4 30.0

3+05- 92' Lt = Pickup Pt. - (New information) 24.4 81.2 S.W. Cor. House

3+00 conc. 1' cut will do 30.3

2+60

26.2 29.7  
65

2+00- 97' Lt = Pickup Pt. - 1' cut will do

24.1-gr. 26.00 floor 28.9

1+60

24.6 28.5  
80  
Backlot

1+18- 94.5' Lt = S.W. Cor. House - Pickup pt.

25.2 27.75 29.0  
18' gr. cut. 94.5 = floor.

0+80 - 63' Lt = Pickup Pt. By Tank - 18" cut will do

27.0 29.76 27.6 29.5  
gr. 82.6 = floor - gr.

0+40 = S.L. Myrtle

Back of House 29.9

0+00 = E Myrtle

30.0

Side of Alley - S.L. Myrtle

Set B.M. spike in Pole on W.

330.72

Lt.

#

Rt.

42

6+40.10

30.3

6+10 - 2 Houses on Lt are on sewer in Thorm.

31.3

5+75

X

26.50

31.6

95 = Top  
4" Soil pipe  
To Tank

5+40

31.4

5+18 - 88 Lt. = Pick up pt. - 18" cot.

27.75

26.8

31.6

floor

88 = gr.

House

4+85

31.4

4+35

30.7

3+85

25.8

30.5

80  
.Vac. Lot.

Clark  
Shepherd  
Criner  
O'Neil  
7-1-54  
W.O. 32471

PROPOSED SEWER - WOODMAN ST.  
BENSON ST. RITCHIEY ST.; SKYLINE DR.  
MEDYO' ST.

Ref: T.S. # 3244, 3231, 3232, 32.24, 32.20  
3221, 3213

MAPS # 1546, 1228, 749, 1227, 1474, 1380

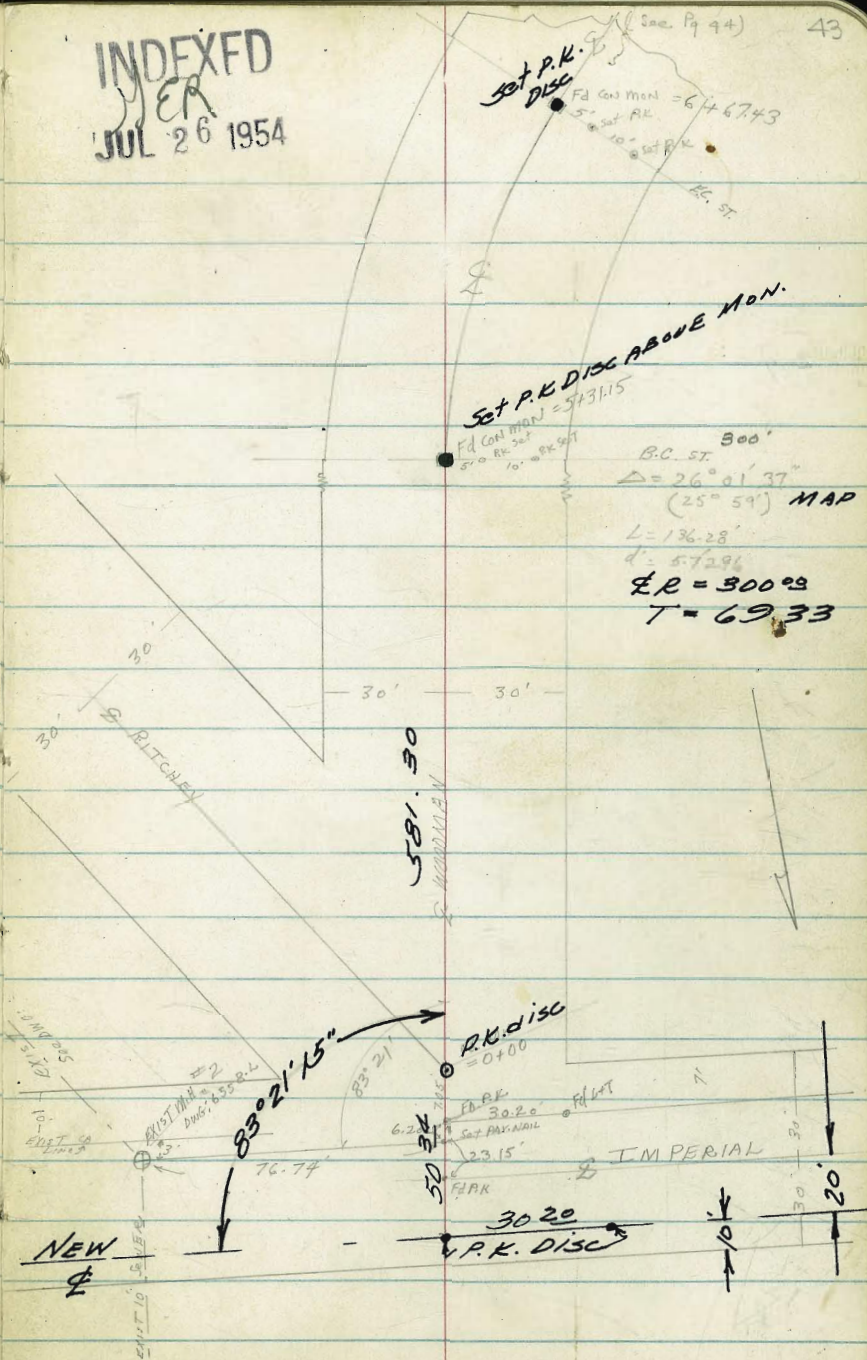
DWG'S: 6558-L, 2397-L

Sketch not to scale  
Notes: Pg. 48 - WOODMAN  
" 58 - SKYLINE  
" 64 - BENSON

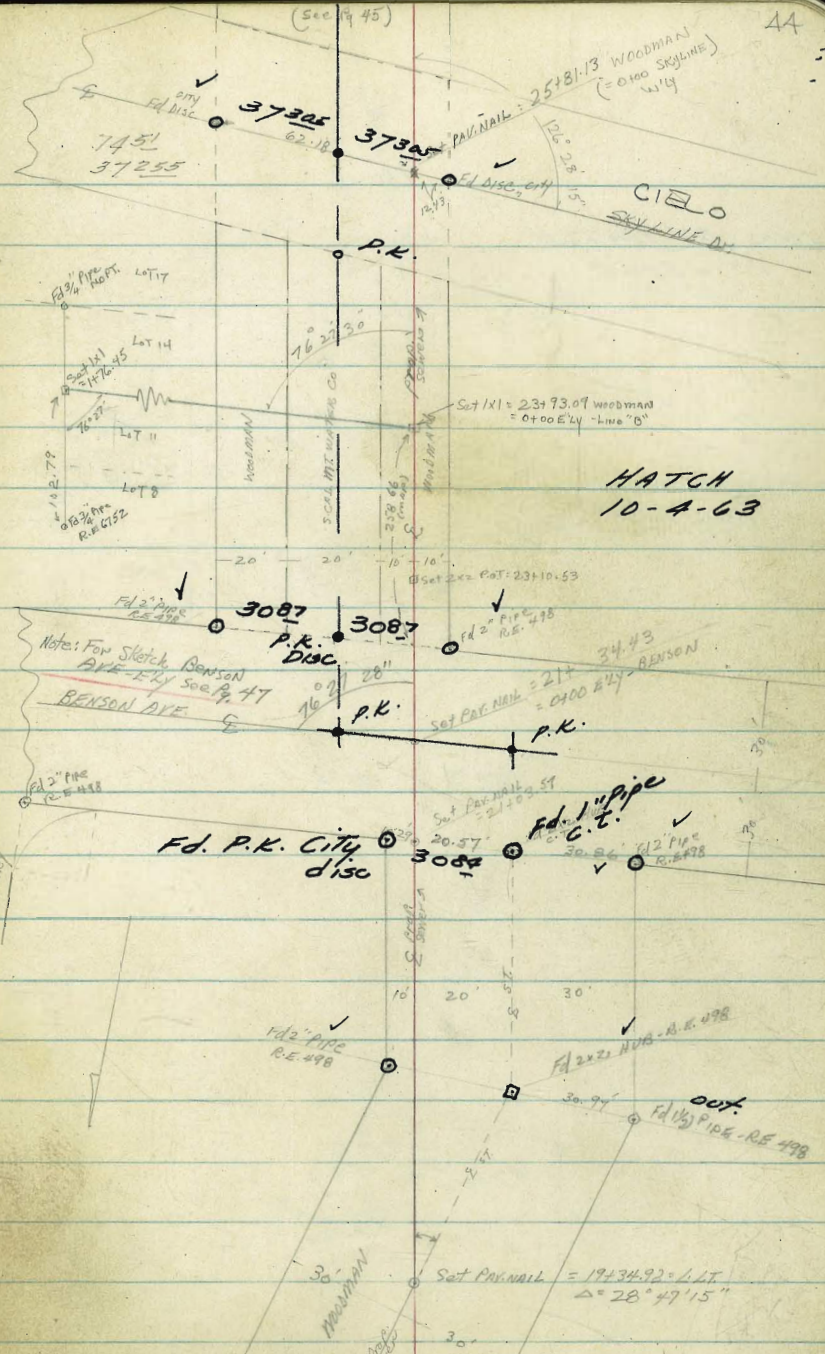
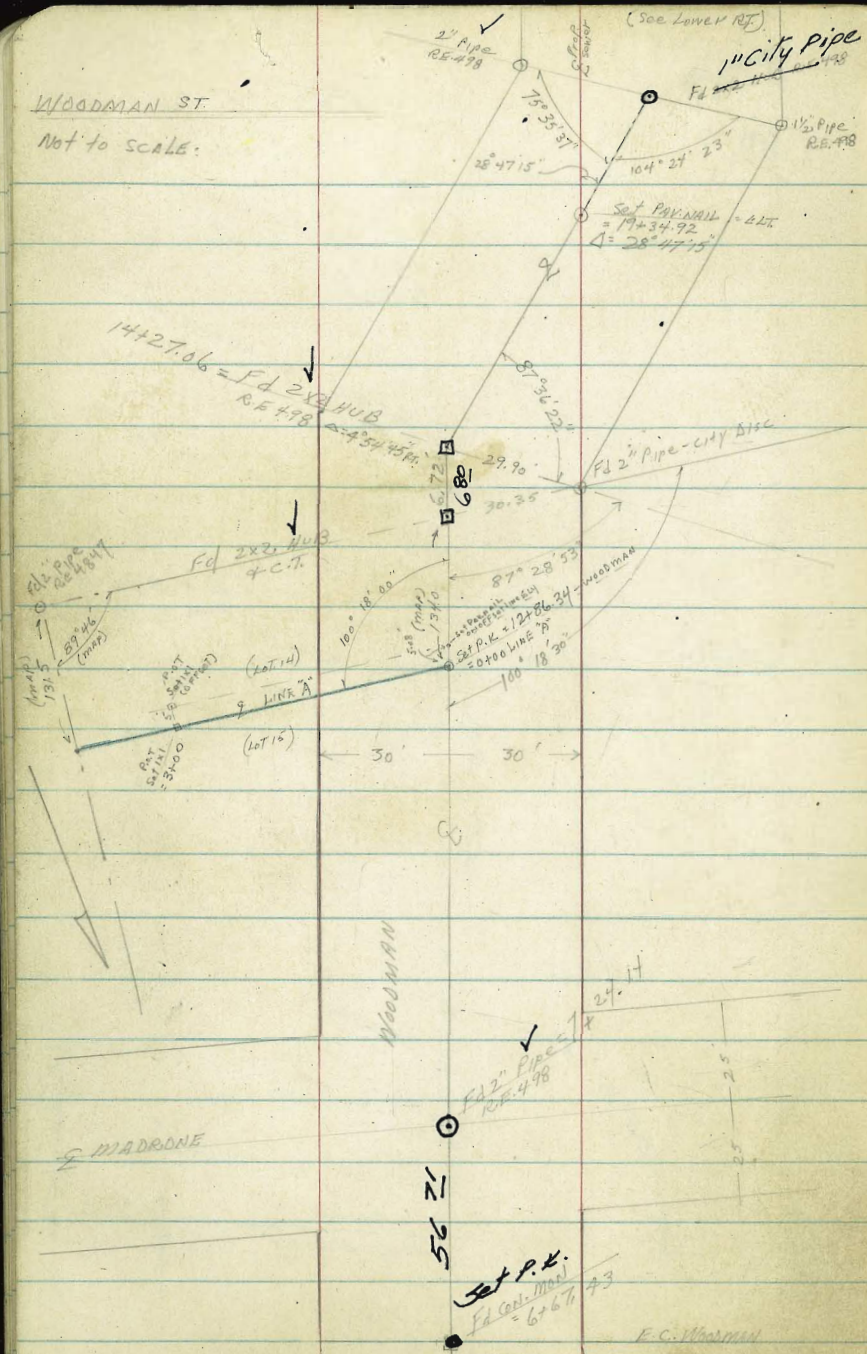
Note: Blue-Line DATA - ADD'L = LINES "A" + "B"  
Notes: Pg. 73 LINE "A"  
Pg. 77 " " "B"

INDEXED  
ER  
JUL 26 1954

43



WOODMAN ST  
Not to scale:



HATCH  
10-4-63

Note: For Sketch, Benson  
A/E-E/R, See P. 47

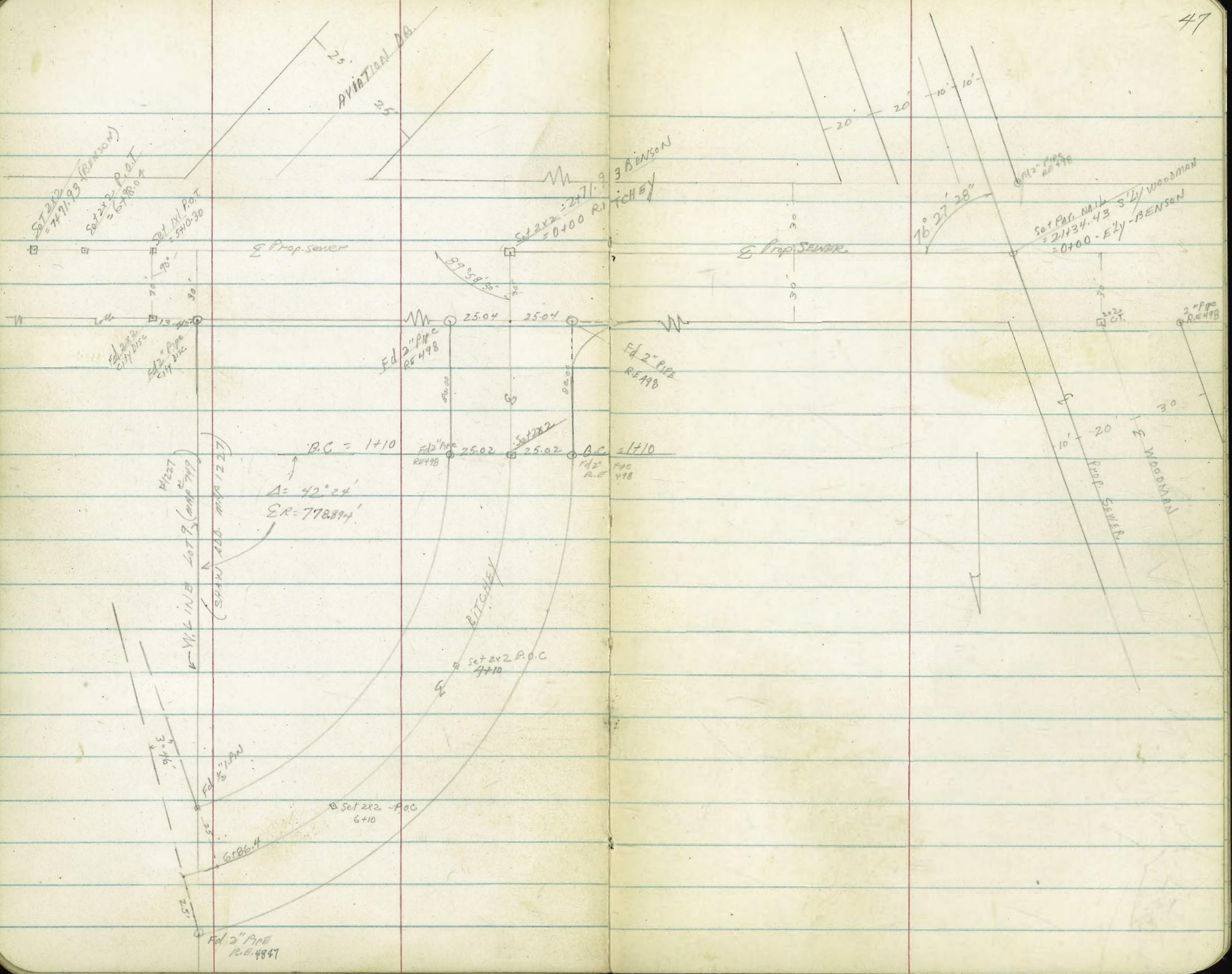
(See Page 43)

(See upper LT)









Set 2x2 = 7791.93 (Benson)  
 Set 2x2 P.O.T. = 5788.04  
 Set 1/2" Pipe = 5710.20

25' AVIATION DA.  
 25'

Set 2x2 = 2771.9  
 = 0400 RITCHIEY  
 3 BENSON  
 RITCHIEY

Set 2x2 = 21434.43  
 = 0700 - ELY - BENSON  
 10' 10'  
 20'  
 16° 27' 28"

E Prop. Sewer

E Prop. Sewer

WOODMAN  
 10' 20' 30'  
 E WOODMAN  
 2" Pipe R.E. 498

B.C. = 1710  
 $\Delta = 42^\circ 24'$   
 $SR = 778894'$

Set 2x2 = 25.02  
 B.C. = 1710  
 1/2" Pipe R.E. 498

W/L INLET Lot 3 (Comp 449)  
 (SHAW ADD. MAP 1227)

RITCHIEY  
 Set 2x2 P.O.C. = 7710

Set 2x2 - P.O.C. = 6+10

Set 2" Pipe R.E. 4847

WOODMAN

Note: STATIONS given for ALL EXIST. DWELLINGS;  
STATIONS, OUTS & ELEV'S ON ALL DWELLINGS below (EXIST. ST. ELEV.)

STA.

0+92.2 17.7' LT & 18" CON. (VERT. (ELEV. END CON.))

0+75

0+50

0+25

0+02 7.5' LT (AT 90°) & WATER GATE

0+00

0-05 35.5' LT = 8" T.Y.T. CONC. MANHOLE - FAULTY (AT 83° 21' OFF FOR. TANG) 8" C.I. PIPE (TRANS APPROX. 90° & ZIPP. .85' LT & SURF. LINE Proposed)

0-10.10 - 5 1/4" CB LINE IMP. ELEV. CB END 44.4' LT. (AT 83° 21' OFF FOR. TANG)

0-13.25

(83° 21' OFF FOR. TANG - See sketch Pg 43)  
76.74' LT = 8" EXIST. MANHOLE #2 (DWG 6558-L)  
Note: IMP. PAVED - A.C. SURFACE  
WOODMAN - 6 1/4" - 12" SURFACE APPROX 20' WIDE - ALLEGE

0-13.65

36.1' LT = 8" WATER GATE

B.M.

8.67 239.07

(Bench Mark) 239.07  
6558-L = 230.30  
230.40 = L.T.C.T. W/L

LINE WOODMAN & 5 1/4"  
LINE IMPERIAL

(24) LT.

8

RT (W/L)

78

232.64

6.73  
17.7  
FL

236.89

2.18

235.19  
3.88  
10

235.01

4.06

234.85  
7.22  
10

232.56

6.51

Notes reduced by  
P.D. Dawson  
1-5-55

230.27

8.80  
10

230.24

8.83

230.00

9.07

222.58

16.49  
35.5  
Boat.  
Canc.  
100%

223.39

15.68  
35.5  
Approx  
F.L. LINE  
C.I. PIPE

229.65

7.42  
35.5  
75'  
Canc.  
100%

229.42

9.65  
76.74  
76.0

228.87

10.20  
75.5  
77.0

229.57

9.96  
77.0  
6.

229.11

9.43  
10

229.64

9.44

229.63

9.75  
10

229.32

9.80  
10

216.24

22.83  
F.L.  
B.M.  
76.74

228.88

10.13  
Rim  
M.H.  
50  
ON  
PAR.

229.12

7.95  
20

229.47

9.60  
10

229.54

9.53  
10

229.49

9.38  
10

229.27

9.80  
10

239.07

WOODMAN (CONT.)

350

3+00 E House 43 LIE

2+87 E House 30.7 RT E

2+58 E House RT 43'9

2+50

T.P. 9.64 252.93 0.33 243.29

2+20 E House RT

1+50

1+17 14.9 RT E WLY END 18" Con. Culvert

T.P. 5.27 243.67 0.72 238.35

1+00

LT

E

RT

49

248.68  
4.25  
+3  
Fl. Elev

250.04  
2.89  
5

247.45  
5.43  
5

247.74  
5.19  
5

250.43  
2.50  
5

247.83  
5.10  
5

250.54  
2.39  
5

248.55  
4.38  
+3  
Fl. Elev

245.02  
7.91  
5

245.31  
7.62  
5

245.45  
7.48  
5

247.70  
5.23  
30.7  
Fl. Elev

244.12  
+0.50  
60

242.3  
1.3  
30

242.91  
0.71  
5

252.93  
↑

243.23  
0.39  
5

243.26  
0.36  
5

248.0  
+4.4  
30

237.42  
6.2  
50

241.21  
2.71  
5

240.94  
2.60  
5

240.85  
2.77  
5

237.14  
6.48  
14.9  
Fl. Elev

243.62  
↑

238.30  
0.77  
5

238.35  
0.72  
5

238.23  
0.84  
5

239.07

WOODMAN (CONT)

7+00

= E EXIST House Pt.

6+67.43 = E.C. WOODMAN

6+22.00

5+76.58

(ALL OUTS of Loc's RADIAL)

5+31.15 = B.C. WOODMAN

(Curve in 3 PTS. For ELON'S Profile  
 $\Delta = 26^\circ 01' 37''$  RT. (45.426' each)

$\Sigma R = 300'$   
 $L = 136.28$

T.P. 10+27

272.05

2.52

261.78

= E. C. WOODMAN  
 T.P. B.C. WOODMAN  
 (5+31.15)

272.05

5+00

4+50

4+00

Note: E. PAVING does not always coincide with E. STREET

T.P.

11+48

264.30

0.11

252.83

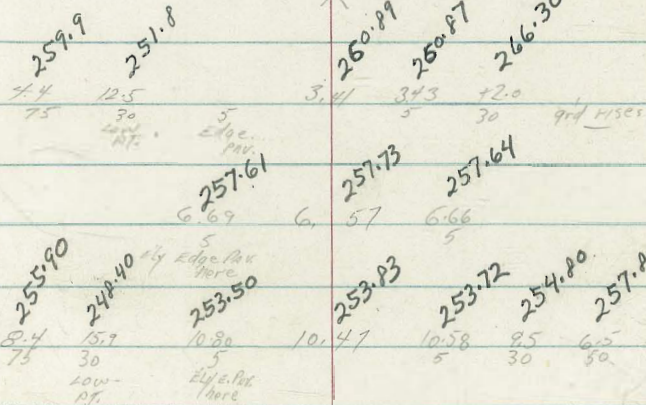
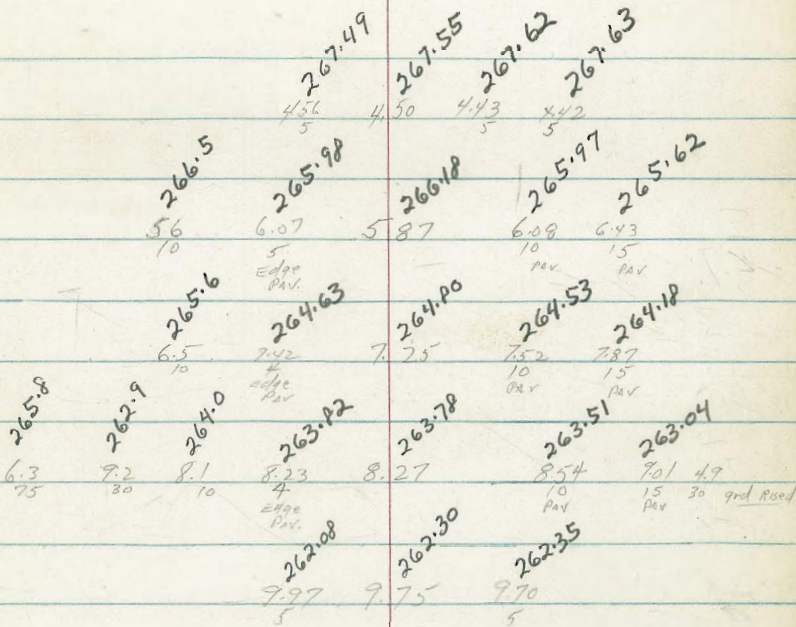
264.30

LT.

S

RT.

50



WOODMAN (CONT.)

LT.

E

RT

57

T.P. 11.03 294.47 0.58 283.44

10+00 (typical section thru area)

9+73 = E HOUSE LT.

9+67 = E HOUSE RT.

9+50

9+00

8+50

8+32 = E HOUSE RT.

8+00

T.P. 12.13 284.02<sup>(100)</sup> 0.16 271.89

7+72 = E HOUSE LT.

7+50

7+28 5' LT = E WATER GATE

7+24.14 = E MADRONE

290.12  
+6.1  
50

285.22  
+1.2  
30

283.35  
0.67  
5

283.37  
0.65  
5

283.17  
0.85  
5

286.22  
+4.2  
80

292.12  
+8.0  
50

280.47  
3.55  
5

280.54  
3.48

280.47  
3.55  
5

277.77  
6.25  
5

277.82  
6.20

277.73  
6.29  
5

275.32  
8.70  
5

275.29  
8.73

275.02  
9.00  
5

272.47  
11.55  
5

272.46  
11.56

272.29  
11.73  
5

273.9  
+1.8  
75

269.1  
3.0  
30

269.55  
3.72  
5

269.57  
3.80

269.25  
3.89  
5

268.16  
1.0  
30

265.6  
+13.5  
75

272.05

WOODMAN (cont)

HT.      \$      RT.

52

14+00

306.01  
0.24  
5

306.00  
0.25  
5

305.78  
0.47  
5

13+50

303.21  
2.07  
5

303.24  
3.01  
5

303.05  
3.20  
5

13+10 = E. House RT (Approx 250+ Ely of WOODMAN)  
(top of hill)

13+00

300.19  
6.06  
5

300.20  
6.05  
5

300.04  
6.21  
5

12+50

297.30  
8.95  
5

297.32  
8.93  
5

297.01  
9.24  
5

12+25 = approx E. House RT (near top hill)

306.25

T.P.      11.81      306.25      0.03      294.44

(See map 1227 - Lots not to Woodman)

12+00 = approx E. House RT (near top hill) 265+ FT Ely WOODMAN

294.42  
6.05  
5

294.36  
9.11  
5

294.28  
0.19  
5

11+56 = E. HOUSE RT

11+50

291.51  
2.96  
5

291.51  
2.96  
5

291.43  
3.04  
5

11+00

288.60  
5.87  
5

288.64  
5.83  
5

288.96  
5.01  
5

10+50

285.99  
8.48  
5

286.04  
8.43  
5

285.82  
8.65  
5

294.47

WOODMAN (CONT.)

LT

RT

53

17+50  
17+10 = E HOUSE RT  
17+00

16+50

T.P. 12.82 330.43 0.60 317.61

16+00

15+50

15+00

14+50

Set T.B.M. on 2x2 Hub (14+27.06) 10.77 307.44  
L RT

14+27.06 = L RT. Δ = 4° 54' 45" (typical sections this area)  
OUTS ON SPLIT L.

T.P. 12.07 318.21 0.11 306.14

325.46  
4.97  
5  
322.48  
7.95  
5  
319.56  
10.87  
5

RT  
325.33  
5.10  
322.37  
8.06  
5  
319.54  
10.89  
5

325.17  
5.26  
322.13  
8.30  
5  
319.35  
11.08  
5

330.43  
316.76  
1.75  
5  
313.94  
4.27  
5  
311.32  
6.89  
5  
308.70  
9.51  
5

RT  
316.71  
1.50  
5  
313.86  
4.35  
5  
311.21  
7.00  
5  
308.69  
9.52  
5

316.56  
1.65  
5  
313.71  
4.50  
5  
311.03  
7.18  
5  
308.47  
9.74  
5

314.1  
4.1  
75

309.6  
86  
50

308.1  
10.1  
30

307.36  
10.85  
5

307.43  
10.78

307.30  
10.91  
5

312.0  
6.2  
30

318.5  
7.03  
50

318.21



WOODMAN (cont.)

20+50

20+34

= Edge Pav.

20+00

E HOUSE LT

T.P. 12.57 354.73 0.71 342.16

19+50

19+34.92 =  $\angle$  LT.  $\Delta = 28^{\circ} 41' 15''$   
E Proposed Sewer

(sect. 90° 06' 14" G.)

19+00

18+53 = E House Pt.

18+50

= E HOUSE LT

T.P. 13.10 342.81 0.66

229.77  
329.77 PQR

18+00

LT  
349.1  
5.6  
10  
7.4

RT  
348.5  
6.2  
5  
7.4

357.8  
6.9  
7.4  
8.38

347.39  
7.34  
edge Pav

347.73  
7.00  
10  
7.1

354.73  
8.00  
30  
9.4 rises

343.73  
11.00  
5  
edge Pav. here

344.27  
10.46  
5

344.49  
10.24  
5

344.77  
9.96  
10

343.7  
11.0  
30

342.0  
12.7  
50  
low. pt

345.6  
9.1  
7.5  
7.4 rises

354.73

340.04  
2.83  
5

340.35  
2.52  
5

340.65  
2.22  
5

352.5  
+9.6  
50

344.7  
+1.8  
30

338.23  
4.64  
5

338.95  
3.92  
5

338.11  
3.76  
5

339.29  
2.58  
5

339.07  
3.80  
9

337.7  
5.2  
30

338.1  
1.8  
50

338.9  
4.0  
7.5

(Note: Curves, irreg. to LT)

335.12  
6.35  
5

336.00  
6.87  
5

336.12  
6.75  
5

edge Pav. here

edge Pav. here

low. pt

332.29  
10.58  
5

332.27  
10.60  
5

322.17  
10.70  
5

342.81  
328.76  
1.67  
5

328.65  
1.78  
5

328.47  
1.86  
5

330.43

WOODMAN (CONT.)

22+34 - 6.5 RT Beg 3' wide con. wall (bk. edge meets con. wall)

22+23.5 - 7.5 RT Beg 3' con. wall

22+19 - 9.6 RTE 20' Palm tree

22+00

20+65 - 6.7 RT E Fire-Hydr.

Set T.B.M on 2" Pipe 11.13 356.23  
R. 5+78  
S.W. corner  
Benson & Woodman

21+55 - 7' RTE Pole # 170625

21+50

21+41 - Edge Par.

21+40 - 5 LT = 9' water gate

21+34.43 = E BENSON & OTODELY ON BENSON - See Pg. 64

T.P. 13.06 367.36 0+3 354.30

21+03.55 } = N. Line BENSON  
(Par. edge irreg. here)

20+64 - 7.3 LT 5' Wly Corn. Vault

20+61 - Edge Par.

20+58 - 7.3 LT Wly Edge (N.Wly Corn) con. vault (shut off valve)

20+55 = 9' HOUSE RT.

LT E RT

359.65 359.9 360.3 361.9  
7.7 7.5 7.1 5.5  
10 10 10 10  
Wly edge Par. here 7' 9' 9'  
(Par. edge irreg. here)

356.14 356.0 355.9 355.6  
11.22 11.4 11.5 11.8  
10 10 10 10  
on Par Wly edge Par 9' 9'

355.36  
12.00  
Wly edge Par here

354.25 354.76 354.68 354.5  
12.51 12.60 12.68 12.7  
10 10 10 10  
Par. edge Par  
352.1 351.78 367.36 351.69 351.85  
26 2.95 3.04 2.88  
10 8' edge Par 10

348.73

6.73  
Wly edge Par

354.73

WOODMAN (CONT.)

25+50

25+40 = E House LT

25+00

24+50

24+16 10.2 LT E n 2y edge 5x5 WOOD-LAVET (WATER VALVE)

24+00

23+83 2.7 RT E Pale #177343

T.P. 12.43 390.31 0.60 377.88

23+50

23+08 7.5 RT E 1/2 Pepper Tree

23+00

(Pav. averages 18' wide.)  
Note: E 1/2 WOODMAN PAVED S 1/4 OF BENSON (Cold Lay)

22+73

= E HOUSE 90' LT.  
11.7 RT END GAR

22+63

9.2 RT END CON. FT. (at Port. 1 Req Single gar.)

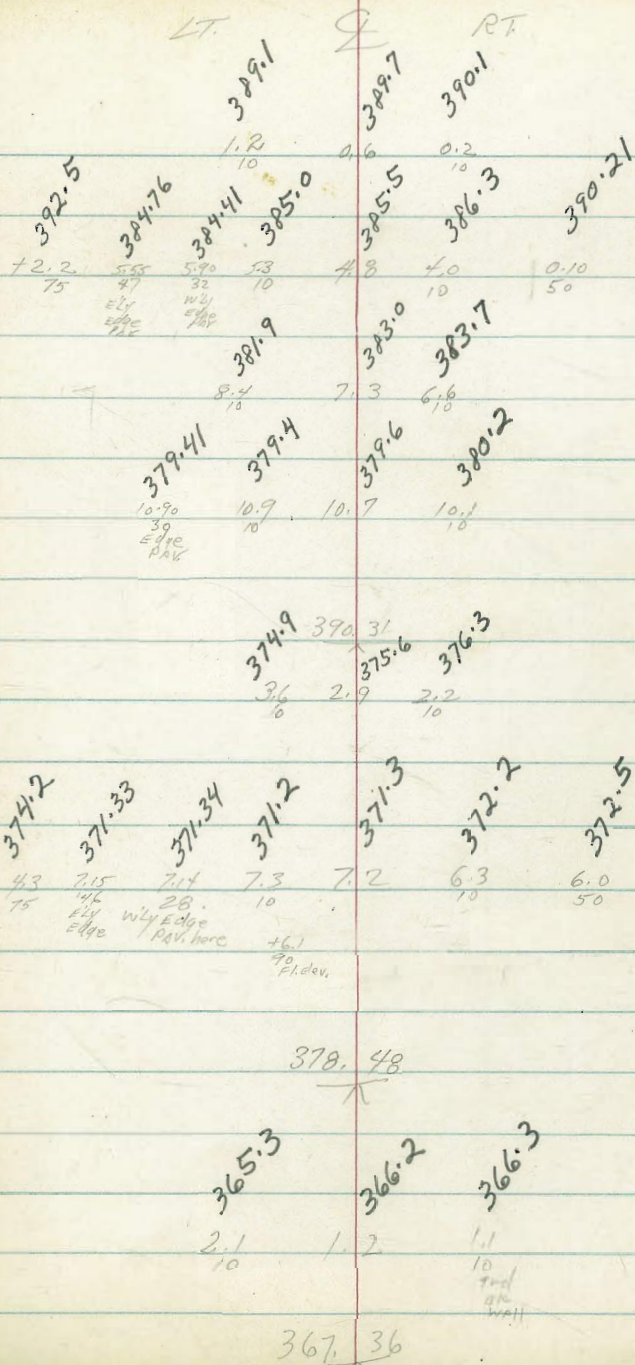
T.P. 11.69 378.48 0.57 366.79

22+51

{ 8.4 RT Bay Cons. Floor - CAR - PORT.  
9.0 BT (to Fe.) END CON. WALL  
6.0 RT END WALK.

22+50

22+40 = E HOUSE RT



WOODMAN (CONT.)

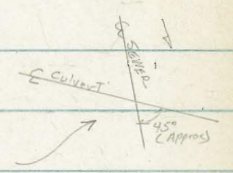
27+50  
 T.P. 1.00 382.35 12.75 381.35

27+00

26+50

26+30 5' LT & DEADMAN

26+25 4.7 LT & DEADMAN  
 26+08 APPROX. E WOODEN CULVERT (24" DIAMETER) (NOT // TO SKYLINE)  
 26+04 4' 0" LT & Pole # 177344



26+00

25+93.8 Sky Edge Pav. (cuts along Edge Pav.)

25+90 11.8' RT & DEADMAN

25+81.15 & SKYLINE

25+68.8 N'y Edge Con Pav. Skyline (cuts along Edge Pav.)

(Note: Cold-Lay Pav. WOODMAN ENDS AT SKYLINE DT.)

25+64 Edge Cold Lay Pav (N'y Skyline & WOODMAN)

(25+66) 6.6 LT & WATER-GATE

T.P. 4.22 394.10 0.43 389.88 = PAK NAIL & Prop Sewer (25+81.13) & SKYLINE

LT. E. RT. 57

378.6  
 $\frac{5.8}{10}$  3.7  $\frac{2.3}{10}$  382.35  
 385.1 381.3 381.0 384.0 383.1 384.1 387.2 389.7  
 $\frac{9.0}{75}$   $\frac{12.8}{30}$   $\frac{13.1}{30}$   $\frac{13.1}{10}$  11.0  $\frac{10.0}{10}$   $\frac{6.8}{30}$   $\frac{4.3}{75}$   
 386.1 387.4 388.2  
 $\frac{7.9}{10}$  6.7  $\frac{5.8}{10}$   
 381.25  
 $\frac{12.85}{1.57}$   
 Edge Edge end culvert  
 389.3 389.30 389.3 385.94  
 $\frac{4.8}{10}$  4.8  $\frac{4.8}{10}$  8.16  
 FL. W'LY END  
 389.65 389.63 389.67  
 $\frac{4.75}{10}$  4.17  $\frac{4.3}{10}$   
 389.88  
 389.65 389.74 389.77  
 $\frac{4.45}{10}$  4.36  $\frac{1.33}{10}$   
 389.33 4.77  
 394.10

Req. SKYLINE

WOODMAN (cont.)

(all cuts on curve radial)

1484.76 = B.C. LT.

277' {  $\Delta = 53^\circ 28'$   
 $\Sigma R = 300'$   
 $\Sigma L = 279.95'$  } Curve div. 50' Arcs  
 for Profile + CUTS

T.P. 6.47 400.05 0.60 393.58

1450

1400

8450

0420 skyline

(254 81.13 WOODMAN)  
 sketch P. 44

(Pav. 20' can strip & skyline)

(Req. SKYLINE)

T.P. 13.33 394.18 1.50 380.85

28436.99 = 2' Pav.

(cuts along Pav.)

28400

LT. E RT. 58

grid lines  
 391.92 392.61 392.80 388.8 484.4  
 8.13 7.44 7.25 11.3 15.7  
 10 10 30 60

400.05  
 394.4 391.52 391.94 391.98  
 21.66 2.24 2.20  
 10 10  
 390.98 391.14 390.98 390.4 384.1  
 40.2 3.20 3.20 3.8 10.1  
 30 10 10 30 95  
 390.15 390.37 390.17  
 5.03 3.81 4.01  
 10 10  
 389.71 389.89 389.67  
 4.47 4.29 1.51  
 10 10  
 100 100  
 100 100

368.8 374.0 374.4 371.8 373.6 374.8 376.4 380.3 386.7  
 13.6 8.4 8.0 10.6 8.8 6.0 2.1 4.3  
 100 50 30 10 10 10 50 100  
 100 100  
 100 100

382.35

SKYLINE (cont.)

6+50  
6+10 = E HOUSE LT.

6+00

5+50

5+00

4+64.71 = F.C. SKYLINE

4+34.76

3+84.76

3+34.76 = E HOUSE LT.

2+84.76

2+34.76

LT.

♀

RT

59

297.71	2.34 10	2.09	397.96	2.22 10	397.83	3.0 40	397.1	4.4 75	395.7					
397.81	2.24 10	2.00	399.05	2.27 10	397.78	4.6 40	395.5	6.6 75	393.5					
397.45	2.60 10	2.32	397.73	2.52 10	397.53									
396.90	3.15 10	2.9	397.2	2.81 10	397.24									
401.4	4.3 40	3.99 10	396.06	3.45 10	396.9	3.2 10	31 17	27 27	79 40	11.0 75	14.1 125			
401.6	4.5 40	4.1 23	398.7	4.6 19	395.5	4.55 10	4.84	3.51 10	3.5 19	8.7 27	9.2 40	12.6 75		
401.6	4.5 40	4.1 24	398.7	4.6 18	394.6	5.5 10	5.37 10	4.66	4.34 10	4.4 17	10.9 31	11.1 40	15.6 75	19.1 125
401.1	4.0 40	1.3 25	398.8	6.2 17	393.9	6.10 10	5.47	5.23 10	5.2 17	11.5 29	12.0 40	16.1 75	18.1 125	
399.4	0.7 30	2.0 24	398.1	6.9 16	393.2	6.84 10	6.08	5.70 10	5.6 18	11.6 30	16.9 75	21.4 125		
399.1	1.0 30	1.9 26	398.2	7.6 17	392.5	7.39 10	6.70	6.36 10	10.2 30					
			392.66		392.66									
			393.21		393.21									
			394.58		394.58									
			395.39		395.39									
			395.71		395.71									
			395.7		395.7									
			398.2		398.2									
			399.0		399.0									
			399.54		399.54									
			396.6		396.6									
			391.4		391.4									
			390.9		390.9									
			387.5		387.5									
			384.5		384.5									
			381.0		381.0									
			394.82		394.82									
			394.9		394.9									
			388.6		388.6									
			388.1		388.1									
			384.0		384.0									
			393.35		393.35									
			393.69		393.69									
			389.9		389.9									
			394.35		394.35									
			388.5		388.5									
			383.2		383.2									
			378.7		378.7									

SKYLINE (CONT.)

9198 4.3 RT-E water gate  
 T.P. 2.58 387.58 13.07 385.00

note: Nly edge Pav. Skyline built irregular curve at 654h

9150  
 9145 = E House RT  
 9100

9174 = Sky Edge Pav.

8150

8100

7160 = E House 56' LT.

7150

7100

(All OUTS 90° to E Prop Sewer)

6190.36 = E Skyline + 664h to Nly (T.S. 3220)  
 = LT 3° 04' 30"

T.P. 0.59 398.07 2.57 397.48 - L.S. 22 36

E Skyline + 664h

LT E RT 60

385.2 386.7 387.07 387.42 388.15  
 12.9 11.4 11.0 10.65 9.92  
 75 10 4.1 24.3  
 Nly edge Pav. Skyline built irregular curve at 654h  
 E.Pav Nly edge  
 391.0 390.7 390.68 390.69 395.0  
 7.1 7.4 7.39 7.38 3.1  
 10 9.4 1.5 21.6 40 9th rises  
 E.Pav Nly edge  
 392.06  
 398.2 393.1 393.14 393.17 393.10 396.6  
 7.9 5.8 4.93 4.90 4.91 1.5  
 75 10 1.2 19 30 9th rises  
 E.P  
 395.01 395.09 395.08  
 3.06 2.98 2.99  
 4 16  
 E.P  
 394.15 396.42 396.54 396.41  
 3.92 1.53 1.53 1.66  
 56 6.4 13.6  
 Elev. E.P. E.Pav  
 395.4 397.32 397.34 397.47 399.8 399.6 397.8  
 2.17 0.75 0.73 0.60 0.78 1.17 1.15 0.3  
 10 10 10 40 70 100  
 E.P Pav

398.07

SKYLINE (CONT.)

11450

11423 =  $\phi$  House RT

11400

T.P. 13.33 400.35 0.56 387.02

10+89 4.9 LT-E Pole # P 76867

10+85 = Shoulder BANK

10+82 = Toe CUT BANK Wly 65'41"

10+74-97 = Wly Edge Pav 65'+L

10+69.47 = I. RT 33° 36' 52" (CUTS 90° OR THERE)  
E 65' 14" 4 E MEDIO

10+50

10+42 = Nly Edge CON Pav (ON Curve) PAY.

10+00

LT	S	RT
390.8	398.9	401.4
9.6 50	15	+1.0 12.5
395.8		
4.6 12.5		
387.2	389.1	390.6
13.2 12.5	11.3 400.35	9.8 12.5
385.8		
1.8 12.5		+1.3 12.5
380.3	381.28	382.2
7.3 10	6.3	5.4 10
380.18	380.96	383.1
7.40 10 Shoulder Pav	6.62	4.5 20 ON Asph.
379.06	380.83	381.18
8.52 20 ON Pav	6.75	5.40 5.4 Edge Pav
377.4	380.74	383.22
10.2 100	6.84 4 E Pav Curve	6.43 4.36 20 ON Asph Pav Clearance
383.0	381.28	
4.6 10	6.20	
387.58	383.61	384.16 385.27
	3.97 CLAY	3.42 7.1 E.PAV
		2.91 27.6 E.PAV
		4.60 116



SKYLINE (CONT.)

13+59 73 LT=9 House  
 13+50  
 13+26 3.4 LT E roadman  
 13+00  
 12+98 3.9 LT E P16 # P176868  
 12+78  
  
 T.P. 8.41 434.22 0.02 425.81  
  
 12+67  
  
 2x2 HUB E  
 Set T.O.M. (12+65+73) 4.35 421.48  
  
 12+50  
  
 T.P. 13.30 425.83 0.24 412.58  
  
 12+00  
  
 T.R. 12.77 +12.77 0.35 400.00

LT. E RT. 62

418.8 15.28 418.94  
 15.4 5.3 428.9  
 15 14 428.7  
 Tricut Shoulder Cut  
 420.9 422.8 425.8 429.2  
 13.3 11.7 8.4 7.5  
 20 12.5 9  
 Tricut Shoulder Cut  
 423.3 426.7 425.9  
 10.9 8.3  
 12.5

429.2 429.2 435.1 436.4 440.2  
 5.0 5.0 16 27 4.9 4.2 4.6  
 12.5 12.5 56 56 37.5 37.5 50  
 BANK BANK SHOULDER BANK  
 428.7 429.6 434.2 436.2  
 5.5 4.6 0.0 4.0  
 12.5 37.5 39 50  
 Tricut Tricut Tricut Tricut  
 BANK BANK BANK BANK  
 426.6 426.6  
 7.6 7.6  
 12.5 12.5

420.6 423.2 434.22 (see) 425.5  
 5.2 3.6 0.3  
 12.5 12.5

409.8 417.7 419.7 421.0  
 16.0 8.1 6.1 4.8  
 50 12.5 12.5

406.9 409.1 410.8  
 5.9 3.7 2.0  
 12.5 12.5

412.77

SKYLINE (CONT.)

LT.

♀

RT.

T.P. 0.33 359.31 13.33 358.98

T.P. 0.71 372.31 9.15 371.60

T.P. 1.52 380.75 12.92 379.23

15+56 - E HOUSE 68.5 RT.

15+50

T.P. 0.26 392.15 12.67 391.89

T.P. 0.55 404.56 13.22 404.01

15+00

T.P. 0.48 417.23 13.22 416.75

14+50 = BRK = shoulder slope to W. (UNIFORM) slope

14+00

T.P. 8.21 429.97 12.46 421.76

13+70 - E HOUSE RT.

387.9

388.3

388.2

388.71

3.44  
68.5  
Flank  
389.9

4.3  
12.5

3.9

3.0  
12.5

2.3  
37.5

392.15

404.56

401.2

403.1

404.1

405.6

16.0  
12.5

14.1

13.1  
12.5

11.6  
37.5

417.23

415.7

416.4

417.3

417.8

420.1

14.3  
2.0

13.6  
12.5

12.7

12.2  
12.5

9.9  
5.0

416.6

416.9

424.0

425.2

426.0

430.0

429.2

429.4

433.1

429.1

437.5

13.2  
2.0

13.1  
1/2  
CUT

6.0  
12.5  
TOP CUT  
BANK

4.8

2.0  
2

0.0  
7

0.8  
12.5

0.6  
25  
BANK

2.31  
32  
BANK

4.1  
37.5

7.5  
5.0  
TOP  
BANK

429.97

BEQ. BENSON

SKYLINE (Cont.)

1450

[this is house LT STA. 22+73 on WOODMAN - Pg 56]

1443

= E HOUSE RT APPROX 4' ABOVE EXIST ST. LEVEL

1440

= 9 HOUSE LT.

T.P. 12.79 378.59 0.59 365.80

1400

0450

Note: Benson has 16' (average) Sid-Lay Strip along nly side st.

0400

(= 21+34.43 WOODMAN)  
Notes Pg 55  
Sketch Pg 47

B.M.

10.16 366.39 356.23 = 5' nly 2" 366.39

(Beq. Benson)

CEMA SKYLINE

CHK:

9.78 343.38 = 343.44 = L+Disc N.W. ly Corn. Detroit at 65' H

note: (this L+Disc is in approx. 8' of EXIST 20' wide CONC. STRIP Pav. (on curve) AT 65' H & DETROIT] FOR FUTURE REF.

T.P. 4.33 353.16 10.48 348.93

371.70  
6.89  
10  
or Pav

371.12  
7.47  
Edge Pav  
here

370.0  
8.6  
10

370.1  
+3.7  
30  
1st rises

365.1  
1.3  
10  
orig

378.59  
1.89

364.50  
1.93  
1.5  
E Pav  
here

364.16  
2.2  
10

364.2

358.23  
8.16  
10

358.25  
8.14

357.96  
8.43  
8.2  
10  
E Pav  
here

358.2

354.74  
11.65

BENSON (cont)

FT

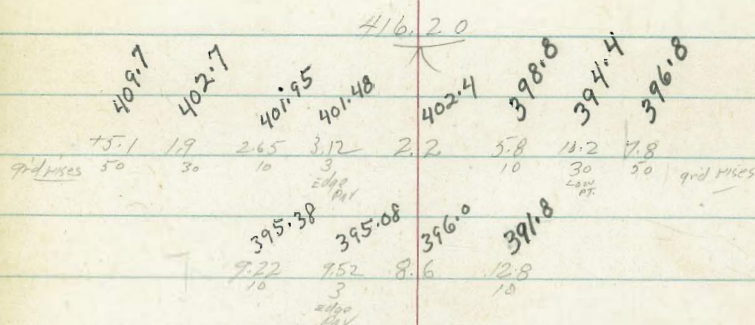
S

RT

65

T.P. 12.17 416.20 0.57 404.03

4:00

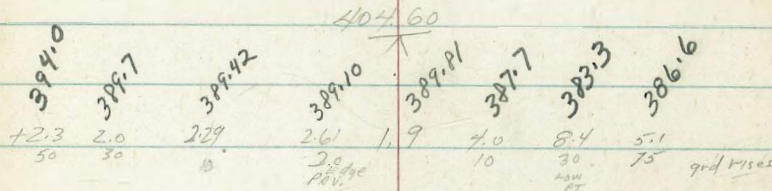


3:50

T.P. 13.05 404.60 0.16 391.55

3:00

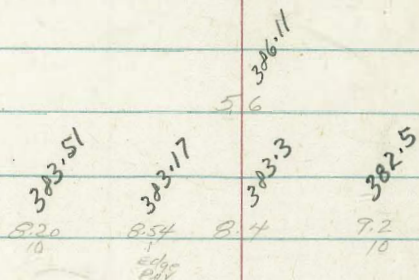
Note: (Cold-Lay strip Benson average 28' wide by Ritchey)



Set T.A.M. on 2x2 Hub (2471.93) 6.07 385.64

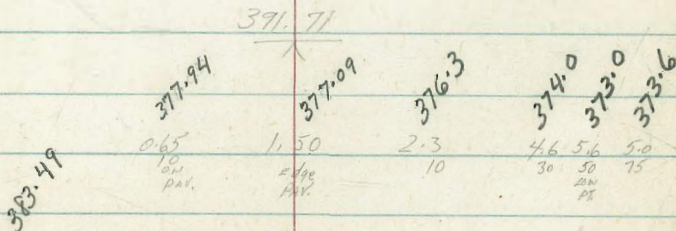
2471.93 = S RITCHEY = 0+00 N 1/4 - 19, 69

2:50



T.P. 13.17 391.71 0.05 378.54

2:00



1:40 = S HOUSE 40' LT. (this house faces Ritchey - per shown) because it may be easier to sewer off Benson than Ritchey

+ 4.90  
20  
Ritchey

378.59

BENSON (cont.)

T.P. 13.24 442.29 0.22 429.05

Set I.B.M. on 2" pipe N 24° WINE BENSON & LOT 9 0.22 429.05

5707 BRK

5706 BRK

5700

4496.5 4.5 LT 9 DOVIMAN

4492 = BRK

T.P. 13.31 429.27 0.30 415.90

4469 = Tree Slope ahead

4468 = Nely edge Pav (on Curve)

4451 = 8 HOUSE 45.60' (this house faces on Richey)

4450

4419 = S Ly edge Pav. (Pav carries S Ly here into AVIATION ST)

430.3  
 +1.0  
 426.2  
 3.1  
 424.6  
 4.6  
 424.3  
 2.0  
 425.9  
 3.4  
 424.5  
 4.8  
 423.0  
 6.3  
 411.8 429.27  
 4.4 410.30  
 5.9 589  
 410.31  
 5.89  
 408.44 408.32  
 7.76 7.88  
 ON PAV 404.29 8.12  
 11.91 8.20  
 408.08 408.00  
 = 45 Pav

416.20

BENSON (CONT.)

T.P. 11.65 478.09 0.19 466.44

6+42

6+25 To RTE Deadman

6+24 1.0 RT E Deadman

6+00

T.P. 12.39 466.63 0.26 454.24

5+86

5+77

5+64 = E House RT - approx. 25' RT of approx. 17' + ABOVE  
EY level ST. (this house faces on AVIATION)

5+50

T.P. 12.49 454.50 0.28 442.01

5+39 Bnk

5+20 Bnk

LT.

E

RT.

67

465.0

464.4

464.8

116  
10

22

1.8  
10

457.8

459.1

456.3

456.23

456.1

456.5

8.8  
10.0

7.5  
50

10.3  
10

10.4

10.5  
10

10.1  
50

rises

466.63

454.4

0.1

452.2

2.3

446.1

442.2

442.0

442.2

441.0

435.1

8.4  
50

12.3  
10

12.5

12.3  
10

13.5  
50

13.2  
100

grad rises

low  
PT

437.9

454.50

437.7

436.9

4.4  
10

4.6

5.4  
10

434.1

434.7

434.0

8.1  
10

7.6

8.3  
10

442.29

BENSON (CONT)

(Cont Pg 69)

T.P.	0.24	378.18	12.97	377.94
T.P.	0.03	390.91	12.70	390.88
T.P.	0.44	403.58	13.16	403.14
T.P.	0.04	416.30	13.00	416.26
T.P.	0.22	429.26	12.68	429.04
T.P.	0.67	441.72	12.65	441.05
T.P.	0.57	453.70	13.29	453.13
T.P.	0.81	466.42	12.48	465.61

ST T.B.M. (2x2 P.O.T. 6+98.04) 2.95 475.14

8+00

457.59	465.2	473.5	475.8	476.5	477.1	478.1	479.4
20.5 95	12.9 50	4.6 30	2.3 10	1.6	1.0 10	0.0 30	4.3 50
Drops off sharply							

7+55 E House RT (Under construction) (Elev. approx 2.8' ABOVE EXIST ST.)

7+50

460.0	460.3	475.9	465.7	477.6	466.5	475.9	477.1
18.1 100	6.3 50	2.2 10	2.9 10	2.6	2.1 10	2.2 10	1.0 50
steep slope							
467.3	467.1	466.8	478.09	467.1	466.8	475.9	477.1
FLAT							

6+50

LT

E

RT

68

RITCHIEY

0480 = S HOUSE RT. (shown 4+51 LT. Benson)

0453 = S House 1/4 RT (shown 1+90 LT. Benson)

0450

note: Cld-Lay strip Ritchey av. 15' wide

0429 = NLY Edge

7 0402 = SLY Edge Cld-Lay

8. 0400 Ritchey = 2x2 S. Benson (= 2471.93 Benson)

B.M

12.44

398.08

385.64 = 2x2 S.

Benson + Ritchey

398.08

STA.

2471.93 Benson - Pg 65

Req Ritchey/

(and Benson)

Chk:

8.91 356.27 - 356.23 = 2"

1 Pipe S wly Corn WoodMAN  
+ BENSON - Pg 55

U.T.P.

0.30

365.18

13.30

364.88

LT.

S

RT.

69

383.48

17.6

11.21

387.55

10.53

10

387.98

11.10

10

Edge  
Ply

390.3

7.8

10

385.93

12.15

10

387.16

10.92

10

388.0

10.1

10

385.87

12.21

21



RITCHIEY (CONT.)

370

3704

E House 53' LT

2760

2150 = E House 61' LT

T.P. 5.27 401.45 1.90 396.18

2710 = E House RT (Set on BK Lot)  
TR ALL

1772 = E House 39' LT

1760

all pts on curve radial

1410 B.C RT (Curve div 50' arcs For Profile tests)

CURVEDATA:  $\Delta = 42^\circ 24'$   
 $R = 178.854$

1400

LT. E RT

70

392.2  
7.3  
25  
398.0  
544  
10  
Edge  
Pav  
396.01  
550  
565  
5  
Edge  
Pav  
395.95  
395.80  
5.0  
10  
+1.5  
25  
396.5  
403.0

135  
52  
Fl. Elev  
393.1  
8.4  
25  
394.36  
6.09  
10  
Edge  
Pav  
395.36  
5.90  
6.10  
8  
Edge  
Pav  
395.55  
395.35  
395.6  
402.2  
+0.7  
25

13.07  
61  
Fl. Elev  
401.45  
391.4  
6.7  
25  
391.75  
3.22  
10  
W Edge  
Pav  
394.86  
2.95  
3.20  
6  
Edge  
Pav  
395.13  
394.88  
1.4  
10  
+3.1  
25  
401.2  
Rises

6.33  
39  
Fl. Elev  
393.90  
4.18  
10  
391.75  
4.19  
4.29  
2  
Edge  
Pav  
393.89  
393.79  
396.1  
2.0  
10

387.0  
11.1  
50  
391.20  
6.88  
10  
on Pav  
391.10  
6.98  
Edge  
Pav  
392.7  
5.4  
10  
+5.0  
50  
Rises  
390.44  
7.64  
10  
on Pav  
390.41  
7.67  
Edge  
Pav  
392.0  
6.1  
10

398.08

# RITCHEY (CONT)

LT.

\$

RT

71

T.P. 0.95 396.97 6.73 396.02

Notes (82. SLY OF Sky Line Ritchey & Lot 9  
(See sketch 1947) Along Line of Lot 9 & hence  
32' ELY OF Lot 9 is a single dwelling

6+60

6+10

T.P. 6.92 402.75 5.62 395.83

5+60

5+10

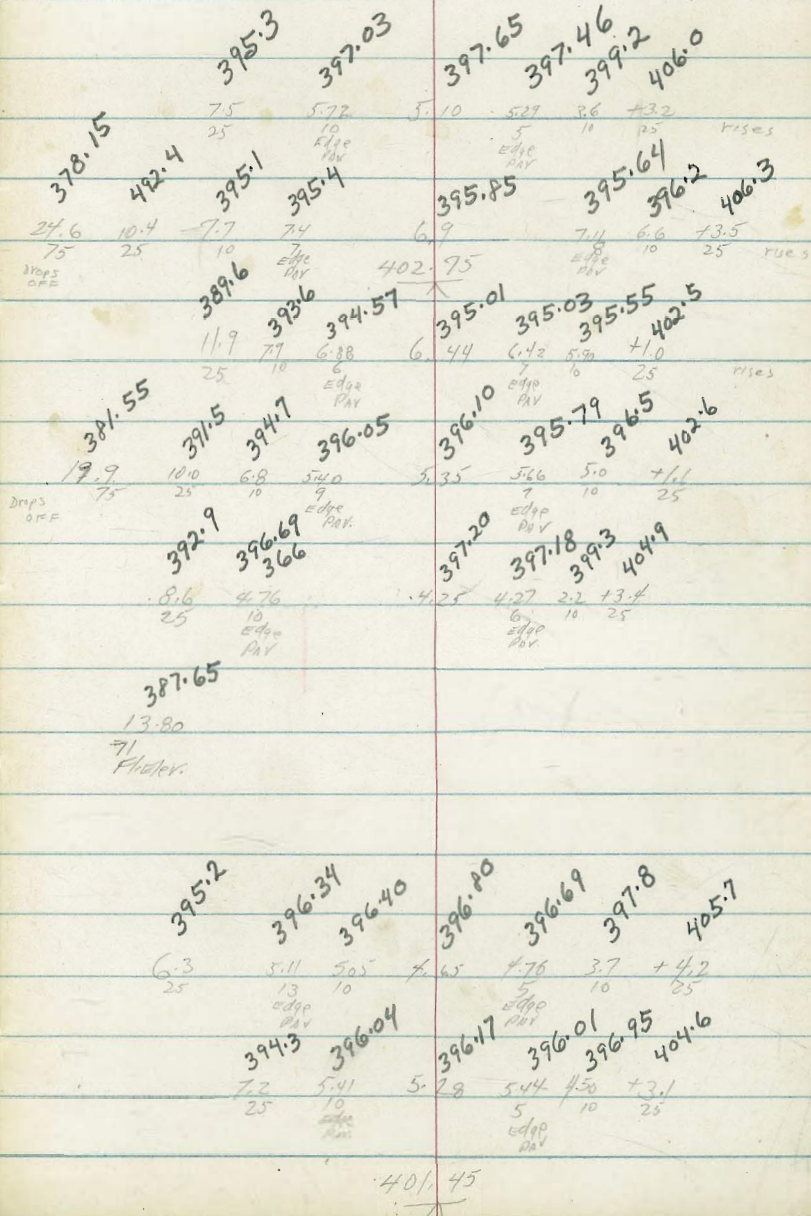
4+60

4+50 - E HOUSE 71' LT

SET T.P. 11 2+2 POC (4+10) 4.68 396.77

4+10

3+60



RITCHEY (CONT.)

Chk:

11.26 385.71 = 385.64 = 2x2 E. HUB Ritchey  
& Benson

LINE "A"

INDEXED

JGR

MAR 7 1955  
306.83

(114) LT.

Σ

RT.

0+70 BRK

T.P. 12.95 319.78 0.74

0+50

0+34.5 10' LG 8" EUC. Tree

0+32 = 8' EUC. Tree

0+31 = 4' Barbed-wire Fence

0+30 = Tp. BANK

0+28 10' RT = 14" Eucalyptus Tree

0+25 = Off. Ditch

0+17 Tp. Ditch Basin

0+13.5 = Edge Pav.

0+00 = (12186.34 WOODMAN'S LY)

B.M. 0.13 307.57

307.44 = 2X2 HUB L

Σ WOODMAN STA. 114 27.06 Pg 53

305.9  
13.9  
10

306.1  
13.7

306.5  
13.3  
10

301.0  
6.6  
10

319.78

301.7  
5.9

302.3  
5.3  
10

299.4

298.7

299.0

9.2  
10

8.9

8.6  
10

296.7  
10.9  
10

297.2  
12.4

297.9  
9.7  
10

298.25  
9.32  
10  
(gid = 10)

299.7  
7.9

298.91

299.47  
8.10  
10

299.31

8.26

307.57

LINE "A" (Cont.)

2+22 = Brk

2+14 = Brk

2+00

T.P. 12.76 358.57 0.12 345.81

1+60 = Brk

T.P. 13.29 345.93 0.06 332.64

1+50

1+35 = Brk

T.P. 12.99 332.70 0.07 319.71

1+00

FT.  
350.6

8.0

10

350.5

8.1

10

346.0

12.6

10

332.4

13.5

10

330.3

2.4

10

327.2

2.5

10

315.8

4.0

10

RT.  
353.6

5.0

352.3

6.3

347.6

11.0

345.93

331.4

1.3

328.3

4.4

317.2

2.6

10

317.8

319.78

RT.  
355.9

2.7

354.1

4.5

349.0

9.6

10

335.2

10.7

10

332.3

0.4

10

329.1

3.6

10

317.8

LINE "A" (CONT.)

3+03 8 LT = END Wood wall  
 3+00 38.5 RT = Newly Corn Ridge  
 2+96 8' RT & 24" Pepper Tree  
 2+95.5 = Tp wall E  
 2+95 = Tac Wooden Retaining Wall  
 2+88 10 RT = Tp Ret Wall  
 2+86 = Dick

2+74 4 RT & 3" Lemon Tree  
 T.P. 12.52 383.62 0.07 371.10  
 2+71 12' RT & 2" Lemon Tree  
 2+57 8.3 RT & 2" Fruit Tree  
 2+50  
 T.P. 12.66 371.17 0.06 358.51

LT. F RT

75

383.6  
 379.2  
 0.6 44  
 8 TP 8 Tac  
 376.8  
 379.0  
 382.9  
 6.8 4.6 0.7  
 10 7.5 TP  
 700 TP wall  
 383.1  
 383.4  
 384.84  
 0.5 0.2 +1.22  
 1.0 38.5  
 Fl.

382.4  
 1.2 (Flush with grid)  
 376.7  
 378.6  
 382.7  
 372.7  
 374.3  
 377.1  
 382.8  
 6.9 5.0 0.9  
 10 3  
 4.9 0.8  
 100 TP TP  
 wall wall

361.2  
 362.8  
 364.7  
 10.0 8.4 6.5  
 10 10

383.62

371.17

LINE "A" (CONT)

LT. E RT

chk: 4.96 396.84 = 396.77 = 2x2 P.O.S. 7+10 E RITCHY - pg 71

T.P. 9.32 401.80 2.01 392.48

3+59.5 = Wly side House if 20' LT = NWly end  
20.5 RT = SWly Corn. House

3+50 2.8 RT = NWly end 5' conc. Ret. wall 8" wide

3+47 25.3 LT END house

3+23 38.5 RT END House

3+21 { 15.6 LT = S.W. Corn. side  
6' conc. wall AT 90° to 9  
3.8 RT = end wall

T.P. 12.51 394.49 1.64 381.98

387.3  
7.2  
9.1  
386.5  
8.8  
10  
386.39  
8.10  
15.6  
FL  
387.31  
7.18  
7.1  
HANK  
386.9  
7.6  
387.3  
7.2  
10  
394.49  
K

LINE "B"

	(NLY) LT.	E	RT
1+50	1.8 10	1.1	0.6 10
1+00	6.0 10	5.2	4.6 10
0+53 = TP BANK	8.8 10	7.8	7.4 10
0+48 = E, Edge Pav of toe cut-BANK	11.91 10	11.26	10.79 10
0+40 = Pav		11.18	
0+32 = NLY edge Pav	12.42 10	12.11	11.60 10
0+17 = BANK	13.8 10	13.2	12.5 10
0+15 = 5.7 RT = E Allow-cut value (5x5' Box) (Wid)			
0+00 = 1x1 E Prop Sewer Woodman (23+93.09 Woodman)		12.7	

B.M. 1.70 391.58

389.88 = Pav. NAIL & SKYLINE  
+ E Prop. Sewer LINE WOODMAN  
= 25+81.13 - pg 57

391.58  
↑





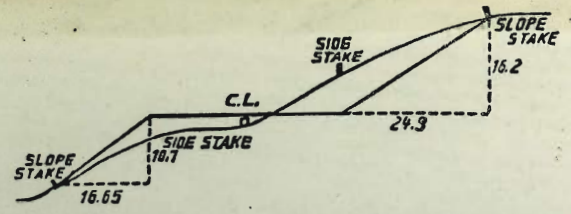
16.15  
 295  
 19.00

C.S.  
 46

18+5.5

75-36

179.60  
 100.18  
 79.42



**DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.**  
 SLOPE 1 1/2 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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