1769

1769

114.57
1306
127.63
12.05
11558

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CITY ENGINEER'S OFFICE
127.63

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ENGINEERING and DRAFTING SUPPLIES

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indexed
C.S.K.

X-Sect. Sterne - from Willow to Evergreen

887

W.O. 230

3-21-47

Osborne

Hardin
Smith
Worrell

Loc + Elev's NEW Imp's - STERNE

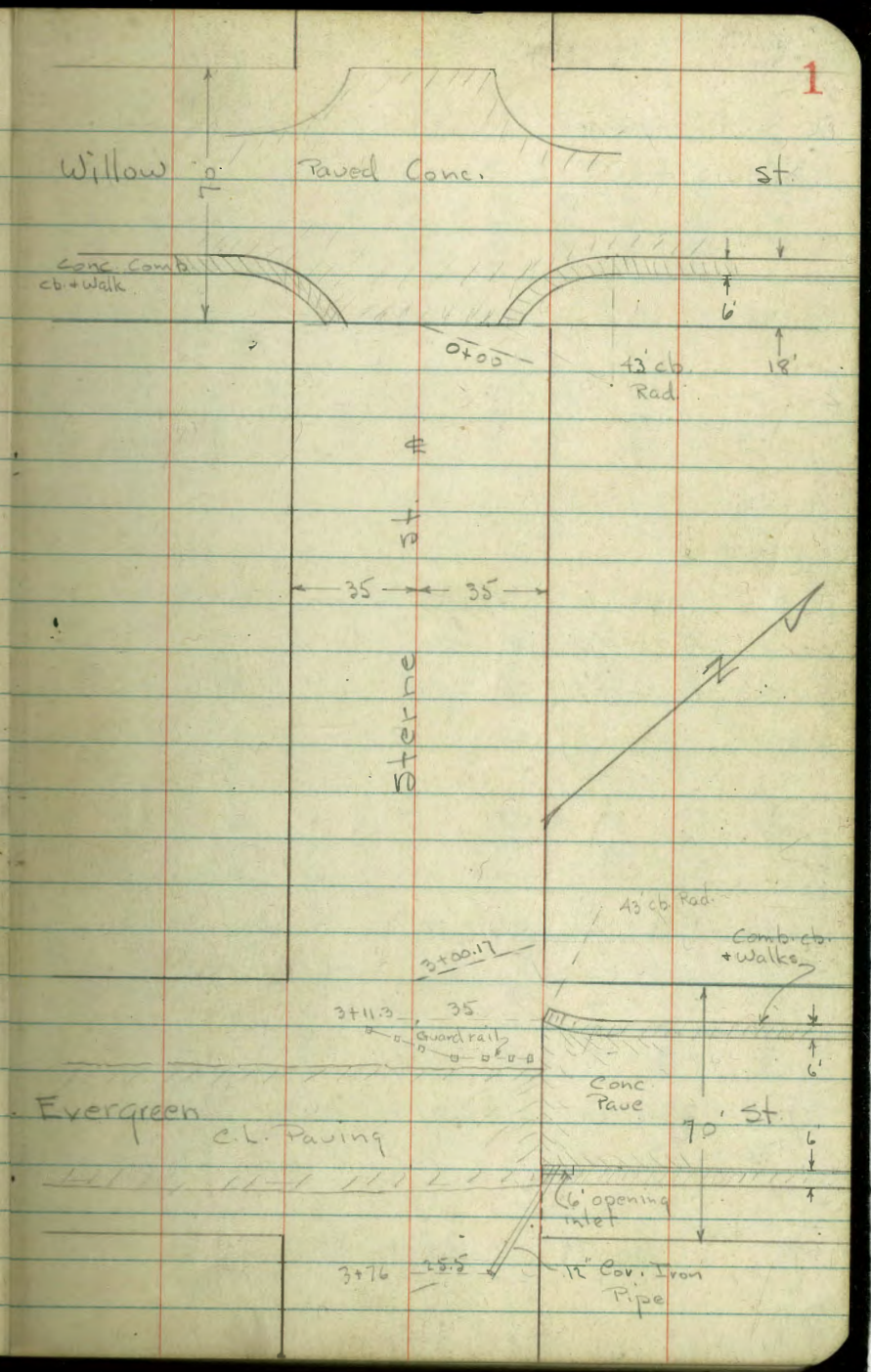
Clark
12-9-54
W.O. 62325

chk: 161.36 = 161.33 = STL B.M.

2+24.5	7.7 RT. End Conc. Apron	185.18 7.7 Lip	
2+16	37.5 RT ℄ 2-car gar		187.53 37.5 Fl. gar
2+07.5	7.7 RT. Big Conc. Apron 2-car gar 37.5 RT.	186.59 7.7 Lip	187.52 37.5 Fl. Elev.
2+06.5	17 RT = Wly End Conc. Blk wall (Ely Wly wall)		

Note: (0+00 = N. Line EVERGREEN)
FOR STATIONS ON NEW IMP'S

B.M. Dir. Elev. Rod: 161.33 = S.W.B.P. Russell & Willow



X-Sect. Sterne - 70' St - 18' obs. from Willow to E.L. Evergreen

T.P.	13.26	195.44	0.22	182.18
0+24 - 25' lt = ℄ Tel. pole				
0+23 - 34.2 lt. = ℄ Tel pole				
0+10				
0+00 = E.L. Willow - edge of Conc pave				
0-18 = E. curb Willow				
B.M.	10.78	182.40		171.62

Lt. = N

193.4	191.0	189.2	187.8	184.8	184.6	184.5	185.7	184.1	178.0	175.1	
2.0 50	4.4 35	6.2 17	7.6 8	10.6 4	10.8	10.9 10	9.7 14	11.3 17	17.4 35	20.3 50	
191.4	189.2	186.4	183.6	180.9	180.5	180.7	178.4	173.9		171.3	
4.0 50	6.2 35	9.0 17	11.8 7	14.5 4	14.9	14.7 13	17.0 17	21.5 35		24.1 50	
					195.44						
190.6	187.7	185.3	179.2	174.9	174.8	174.4		173.1	166.4		
+8.2 60	+5.3 40	+2.9 35	3.2 17	7.5 4	7.6	8.0 17		9.3 35	16.0 60		
178.1		174.0	173.3	173.4	173.3	173.0		172.2	172.9	172.9	
4.3 35 dirt slid in		8.41 24.1 Top end cb.	9.12 24.1 gut.	8.99 10	9.10	9.40 10		10.22 24.4 gut.	9.46 24.4 Top - end cb.	9.5 35	
176.7	176.0	174.0		173.3	173.0	172.4		171.9	170.4	171.2	
5.68 60 Top PC 43 Rad Ret.	6.40 60 gut	8.35 35		9.10 17	9.39	9.95 17		10.54 35	11.98 60 gut.	11.18 60 Top - P.C.	
					182.40						

Station	Notes									
2+60		8.8/40: 186.6	8.8/35: 186.6	11.4/17: 184.0	13.2: 182.2	13.5/10: 181.9	12.7/12: 182.7	12.9/17: 182.5	14.7/35: 180.7	15.4/50: 180.0
2+35	40.2 Lt = S.W. Cor. House (along House)	1.8/40.2 floor elev.: 193.7	6.3/40.2 ground: 189.1	6.2/35: 189.2	7.5/17: 187.9	8.8/7: 186.6	9.2: 186.2	9.3/10: 186.1	9.7/17: 185.7	11.1/35: 184.3
		12.5/50: 182.9								
2+19	112.0 Lt. = ℄ Double Gar. – Conc. floor – Dirt Drive	0.59/112 floor Gar.: 194.85								
2+00		1.7/50: 193.7	2.6/35: 192.8	5.3/17: 190.1	5.5: 189.9	5.8/17: 189.6	7.5/35: 187.9	9.5/50: 185.9		
1+75	25.3 Lt + 27.2 Lt. = ℄ Tel. poles									
1+60		+0.4/50: 195.8	0.3/35: 195.1	2.4/17: 193.0	3.7: 191.7	4.4/17: 191.0	7.1/35: 188.3	9.7/50: 185.7		
1+30		+0.3/50: 195.7	0.3/35: 195.1	2.6/17: 192.8	4.5/7: 190.9	5.0: 190.4	5.8/17: 189.6	8.0/35: 187.4	11.4/50: 184.0	
1+00		0.0/50: 187.9	1.6/35: 193.8	3.8/17: 191.6	5.1/8: 190.3	7.2/4: 188.2	7.5: 187.9	8.3/17: 187.1	12.3/35: 183.1	16.4/50: 179.0

195.44

										℄						
									Lt.					Rt.		
									171.7		173.8	173.1	172.5	171.5	170.6	
3+25 = Top bank									2.0		+0.1	0.6	1.2	2.2	3.1	
									35		17		17	35	50	
									on Dirt							
T.P	0.82	173.70	12.70	172.88								173.70				
						172.0	171.5	170.7	172.1	173.9	174.9	174.0	173.4	172.7	171.7	
3+18.17 = W. cb.						13.64	14.14	14.93	13.5	11.7	10.7	11.6	12.2	12.9	13.9	
						60	60	35	35	17	10		17	35	50	
						Top PC. Ret.	gut.	edge Pave	ground							
						170.7		171.6								
3+11.3 - 35' Lt. = End of cb. + Walk and Paving Cor. Conc						14.86		14.42								
						35		35								
						gut.		Top cb								
3+10 - 38.3 Rt. = ℄ P. pole						181.1	177.9	178.4	177.1	176.4	176.5			176.1	175.4	174.8
3+00.17 = W.L. Evergreen						4.5	7.7	7.2	8.5	9.2	9.1			9.5	10.2	10.8
						50	35	27	17	13				17	35	50
						183.3		180.6	179.0	178.2	177.7	177.7	177.9	177.2	176.5	
2+90						2.3		5.0	6.6	7.4	7.9	7.9	7.7	8.4	9.1	
2+88 - 36.4 Lt. = ℄ 10" Acacia						50		35	17	13		5	17	35	50	
T.P.	1.09	185.58	10.95	184.49							185.58					
						185.8		185.0								
2+70 - 40.2 Lt. = S.E. Cor House						9.63		10.4								
						40.2		40.2								
						Basement floor		ground at House								
											195.44					

Check BM. S.W. Russell + Willow			9.38	161.32 ✓	161.33
T.P.	8.27	170.70	11.27	162.43	
12" Cor. Culvert,					
3+76 - 25.5 Lt = outlet of			9.83		F.L. pipe

3+70.17 = E.L. Evergreen

3+60 = E. side Cold Lay Paving

3+53.5 - 26.5 Lt. = ℄ Tel. pole

Note: at 25' Lt. Cold Lay starts to form the curb to Meet inlet

3+52.17 = E. cb. - 35.7 Lt = S. end 6' opening for curb Inlet - 12" Corregated pipe - culvert

3+44

3+35.17 = ℄

3+30 = W. Side of C.L. Paving

	Lt		℄		Rt	
	169.5	168.7	166.5	162.7	159.5	
	4.2 / 35	5.0 / 17	7.2	11.0 / 17	14.2 / 35	
	169.6	169.3	168.7	167.2	165.5	163.3	161.3
	4.07 / 35	4.44 / 25	5.00 / 17	6.52	8.22 / 17	10.41 / 35	12.37 / 50
170.9 / 170.4	167.6	169.5	168.7	169.2	168.7	167.1	165.4	163.4	161.8
2.82 / 60	3.27 / 60	6.10	4.17 / 35	5.02 / 35	4.45 / 25	5.03 / 17	6.59	8.25 / 17	10.30 / 35	11.92 / 50
Top cb.	gut									
F.L. Box										
	170.2	169.6	168.1	167.1	165.5	163.6	161.7
	3.53 / 50	4.11 / 35	5.06 / 17	6.60	8.20 / 17	10.14 / 35	11.98 / 50
	171.2	170.2	168.7	167.0	165.2	163.3	161.4	156.69	166.7
	2.50 / 60	3.54 / 35	4.97 / 17	6.73	8.45 / 17	10.37 / 35	12.27 / 50	17.01 / 90
	170.4	168.6	166.80	164.9	163.0	161.1
	3.31 / 35	5.12 / 17	6.90	8.78 / 17	10.65 / 35	12.58 / 50

Top-end gut

S. end cb. opening

C.L. Curb starts Here

on C.L.

173.70

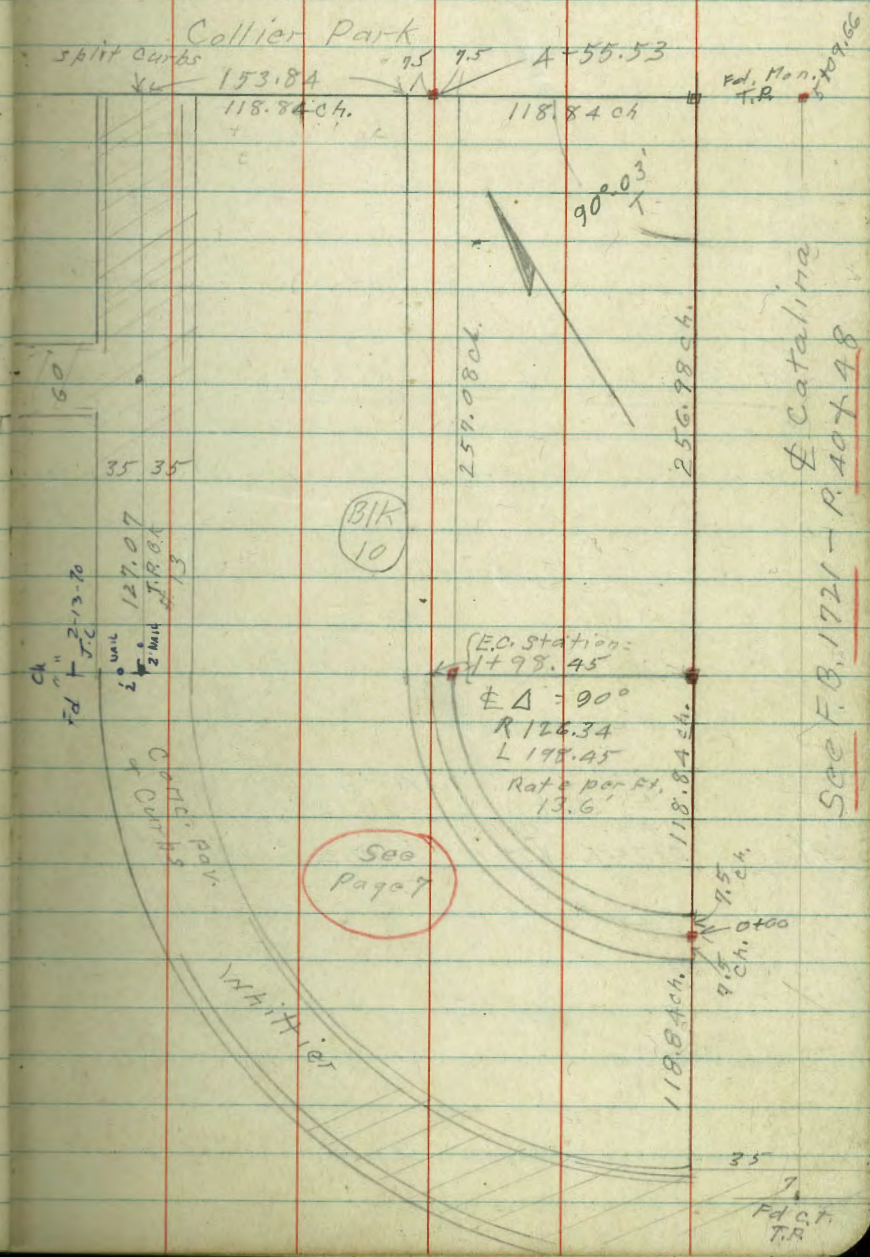
Alley Blk 10, Loma Alta #1
Catalina to Collier Park

W.O. 230
4-16-47

Sommermeyer
W Moore
Roberts

• = Set Hub
Ch. = chained distance
on distance T.P. = Tie point (From T.P. 13 - P 40)
on Δ - "T" = Turned

Indexed
C.S.K.



Def. on ℄ Alley

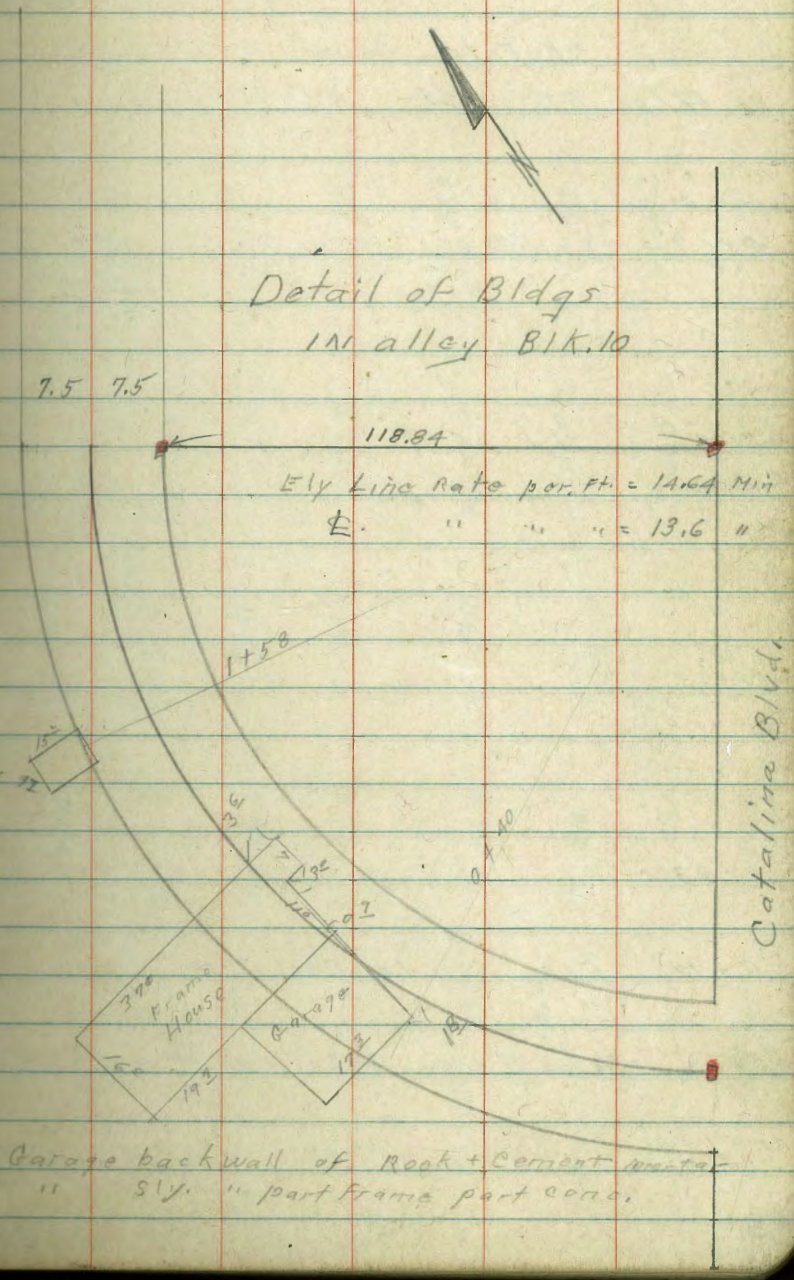
		Def.	Chord
Nwly line Catalina =	0+00		
	0+25	5°-40'	
Rate per Foot	0+40	9°-04'	39.82
= 13.6 Min	0+57.8	13°-08'	57.04
Δ 90°	0+75.7	17°-10'	
R 126.34	1+00	22°-40'	
L 198.45	+25	28°-20'	
1+58 = 35°-57'	+50	34°-00'	
	+75	39°-40'	
E C	1+98.45	45°-00'	

This is ℄ data. Figured from Data as run on Ely. Line Alley. See page 7

Also F.B. 1721 P. 40 to 59

	℄ Data Arc.	Dat.	Actual. Data run on Ely Alley Line Arc.	Dat.
"A"	0+75.7	17°-10' =	0+71.2	17° 10'

Detail of Bldgs
In alley Blk. 10



Alley Blk. 10 Loma Alta #1

sketch - pages 6+7

Also F.B. 1721 - 40+48

L: 9.5 Left. | ℄ | R = 7.5 Rt

Station	Notes								
0+57.8	End Gar. start house	49.8 17.0/16.6 Ground	56.9 9.9/16.5 on Gar Roof	57.9 8.9 on Gar	57.9 8.9/0.9 Roof + Ground	58.5 8.3/R	59.2 7.6/10	61.2 5.6/15	
0+40		49.8 17.0/17.5	55.9 10.9/L	56.8 10.0/4 Ground	57.7 9.1/1.8 Gar Roof	57.3 9.5	59.0 7.8/R	61.0 5.8/14	61.3 5.5/50
0+25		50.7 16.1/25	55.3 11.5/15	56.6 10.2/L	56.8 10.0	59.2 7.6/R	59.8 7.0/11	61.1 5.7/15	
"A" 0+23		50.6 16.2/25	55.3 11.5/15	56.6 10.2/L	56.4 10.4	56.8 10.0/5	59.1 7.7/R	59.6 7.2/11	60.9 5.9/15
0+10	5 Lt. Ctr. 14" Gum tree								
0+00	½ Hub. ℄ Alley on S.ly line Catalina	58.50 8.3/L	59.26 7.54	59.7 7.1/6	60.4 6.4/R	61.4 5.4/10			
BM #7 P55 F.B. 1721	4.72 66.80 — 62.08	66.80							

	5⁵ Rt = Water tap.			
1+50	4⁵ Rt = ℄ Hedge			
T.P.	3.02	63.81	6.01	60.79
1+33	7⁵ Rt = Start small hedge			
1+32	Shrub on Line 7⁵ Rt.			
1+25				
1+00				
0+85				
0+75	End House			
		66.80		

A

L = 7.5 Lt. ℄ R = 7.5 Rt.

L			R	
59.4	60.8	60.7	60.9	60.6
4.4 / 20	3.0 / L	3.1	2.7 / R	3.2 / 20
		63.84		
57.2	58.8	59.2	61.0	61.2
9.6 / 20	8.0 / L	7.6	5.8 / R	5.6 / 23
52.7	55.3	57.8	59.3	61.1 / 61.0
14.1 / 6	11.5 / L	9.0	7.5 / R	5.7 / 12 — 5.8 / 20
53.4	56.0	57.8	59.3	60.1 / 60.8
13.4 / 1.7	10.8 / L	9.0	7.5 / R	6.7 / 9 — 6.0 / 12
50.1	50.1	56.0	57.3	58.8 / 59.6 / 61.1
16.1 / 15	16.1 / 8	10.8 / L	9.5	8.0 / R — 7.2 / 10 — 5.7 / 13
		66.80		

Blk. 10. Loma Alta #1

T.P.	2.63	53.64	12.80	51.01
2+70				
2+35				
2+19	1.8 Rt = End lath fence			
2+06	1.2 Rt. = start Lath Fence			
1+99	1.8 Lt = End 3' wide Hedge also ℄ 3' Hedge along Lot Line to west.			
1+98.45	= E.C.			
+98	4.2 Lt = ℄ 10" pepper.			
1+96	11.7 Lt = Ely. Cor Frame House			
1+75				
1+72	.6.5 Rt = End small Hedge			
1+68	15 Lt. = Sly Cor. Frame House			
1+66	5.5 Lt. = Start. Hedge 3' wide			
1+58	6.5 Lt = ℄ Sing. Gar. Frame – Dirt Floor.			

63.81

L = 7.5 Lt. ℄ R = 7.5 Rt.

	L		R	
53.3	52.8	52.9	52.6	52.6
10.5 / 20	10.0 / L	9.9	10.2 / R	10.2 / 20
55.7	56.8	56.5	56.2	56.1
8.1 / 20	7.0 / L	7.3	7.6 / R	7.7 / 20
	59.1	59.0	58.8	58.4
	4.6 / L	4.8	5.0 / R	5.4 / 20
60.3	60.4	60.3	59.9	59.6
3.5 / 15	3.4 / L	℄ Hedge 3.3	3.9 / R	4.2 / 20
	60.1			
	3.1 / 6.5			

3+90					
3+76	16.5 Lt. = E. Cor. House				
3+62	6 Lt. = ℄ 6" olive Tree				
3+60					
3+46	18.5 Lt. = S. cor. Frame house				
T.P.	0.43	41.07	12.98	40.66	
3+40					
3+15					
2+95.5	6.9 Rt. = Back side P.pole #4280				
2+90					
		53.64			

	L = 7.5 Lt.	℄	R = 7.5 Rt.		
28.8 12.3/25	28.8 12.3/L	28.7 12.4	29.7 11.4/R	31.7 9.4/13	37.2 3.9/30
38.6 2.5/18	37.8 3.3/L	37.8 3.3	37.8 3.3/R	38.2 2.9/20	
		41.09			
42.0 11.6/20	43.2 10.4/L	42.7 10.9	42.4 11.2/R	43.6 10.0/20	
47.5 6.1/29 Rim canyon	48.5 5.1/L	48.0 5.6	47.3 6.3/R	46.4 7.2/25	
49.4 4.2/25	51.9 1.7/L	51.8 1.8	51.6 2.0/R	51.9 1.7/25	
		53.64			

Sat. B.M. Mon. Sly. ~~Collier park~~ W.L. Catalina			6.55	31.47 ✓	B.M. #1
T.P.	5.01	38.02	8.11	32.98	
5+50					
4+80					
4+55.53 = Sly. line Collier Park					
5+10					
		41.09			

L = 7.5 Lt. ℄ R = 7.5 Rt.

5+50: 16.0 / 25.1 / 35 — 26.0 / 15.1 — 33.3 / 7.8 / 30

4+80: 14.9 / 26.2 / 35 — 29.0 / 12.1 — 37.5 / 3.6 / 37

4+55.53 = Sly. line Collier Park: 12.9 / 27.2 / 35 — 26.0 / 15.1 / L — 28.8 / 12.29 — 32.0 / 8.3 / R — 35.4 / 5.9 / 20

5+10: 19.5 / 21.6 / 30 — 21.8 / 19.3 / 20 — 24.3 / 10.8 / L — 26.1 / 15.0 — 30.0 / 11.1 / R — 30.1 / 10.4 / 13 — 37.3 / 3.8 / 30

41.09

Cross Section

Catalina Blvd { Whittier to Collier Park

Sketch FB 1721-40

Indexed c.s.i.k.

13

					Lt		℄		Rt		
0+88	26² Rt. = Back of Guy pole No#										
T.P.	7.95	66.91	0.20	58.96							
					51.5	51.6	52.2	54.1	56.3	56.9	57.8	59.8	60.3
					77/50	7.6/35	7.0/20	5.1/18	2.9	2.3/10	1.4/11	+0.6/35	+1.1/45
0+63													
					48.6	50.8	52.0	53.9	55.4	57.0		58.1	
0+60	34² Lt. = 8" Evergreen				10.6/35	8.4/30	7.2/9	5.3/8	3.8	2.2/31		1.1/35	
0+52													
					43.3		46.5	50.8	51.2	52.7	55.1	58.1	
					15.9/60		12.7/35	8.4/20	8.0	6.5/9	4.1/35	1.1/50	
0+43													
					43.2	44.0	45.1	47.6	48.0	48.2	48.8	51.4	
					16.0/50	15.2/35	14.1/22	11.6/18	11.2	11.0/18	10.4/35	8.0/50	
0+20													
					44.4	46.9	46.97	46.32	46.31	46.35	46.34	46.31	46.97	47.3
					19.8/35	17.3/28	17.19/15 Top of Ck. End ⊓	12.84/14± Gut	12.85/11±	12.81	12.82/7±	12.85/14± Gut	12.19/15 Top of Ck. End ⊓	11.9/35
0+00	= N.Ely. Line Whittier			F.B. 1721 P 40										
T.P.#4-PA1 FB 1721	0.68	59.16	—	58.48					59.16					

Catalina Blvd

		Lt		℄		Rt.	
2+42.27	℄ Alley to Rt.		59.2		59.4		56.8
			7.7 / 35		7.5 / 15	7.7	8.3 / 20	10.1 / 35
2+10		60.7	60.7	61.4	60.6	60.4	59.8	56.8	55.0
		6.2 / 60	6.2 / 35	5.5 / 31	6.3 / 27	6.5 / 15	7.1	10.1 / 35	11.9 / 60
1+70		61.1	61.1	62.2	61.9	61.2	60.3	59.3	59.7
		5.8 / 50	5.8 / 37	4.7 / 33	5.0 / 15	5.7	6.6 / 15	7.6 / 35	7.2 / 50
1+57		61.4		61.6	61.8	61.4	60.7	60.9	63.4	64.9	65.1
		5.5 / 50		5.3 / 35	5.1 / 17	5.5	6.2 / 17	6.0 / 30	3.7 / 33	2.0 / 40	1.8 / 50
1+54	20 Lt. = Back Edge Guy pole. No #		59.3		60.5	62.0	63.3	64.2	64.9	65.0	
1+26.3A	= ℄ Alley to N.W.		7.6 / 35		6.4 / 16	4.7	3.6 / 30	2.7 / 35	2.0 / 41	1.9 / 50	
1+21	22 Lt = Back side P pole # P2270	51.4	52.3		58.2	61.0	64.3	64.7	66.5		
0+90		15.5 / 50	14.6 / 43	13.2 / 41	12.2 / 35	8.7 / 22	5.9	2.6 / 25	2.2 / 35	1.4 / 50	
	66.91						66.91				

Catalina Blvd

					Lt.	℄	Rt			
T.P.	0.61	40.11	10.08	39.50						
					52.6	46.2	43.4	36.4	36.3	38.0	41.8	49.2
4+40					+3.0 55	3.4 35	6.2 25	13.2 49.38	13.3 17	11.6 17	7.8 35	0.4 35
T.P.	2.70	49.58	12.72	47.38								
					52.5	52.0	50.3	42.0	40.1	44.7		
4+10					7.6 60	8.1 44	9.8 35	18.1	20.9 20	15.4 35		
					53.7	52.5	52.2	45.6	44.0	44.4	46.8	
3+79	℄ Banning				6.4 50	7.6 35	7.7 30	14.5	16.1 9	15.7 24	13.3 35	
3+65	23° Lt. = Back side P.P.#											
					54.5	55.0	54.9	52.2	50.8	48.2	50.2	
3+35					5.6 50	5.1 35	5.2 19	9.9	9.3 14	11.9 35	9.9 50	
					56.4	56.7	56.9	54.1	52.9	52.5	52.8	52.4
3+00					3.7 50	3.4 35	3.9 23	2.4 60.10	2.2 15	2.6 33	7.3 50	7.7 60
T.P.	0.88	60.10	7.69	59.22								
					57.7	57.8	57.6	58.6	58.3	57.6	53.0	
2+75					9.2 50	9.1 35	9.3 25	8.3 66.91	8.6 20	9.3 35	13.9 60	
		66.91										

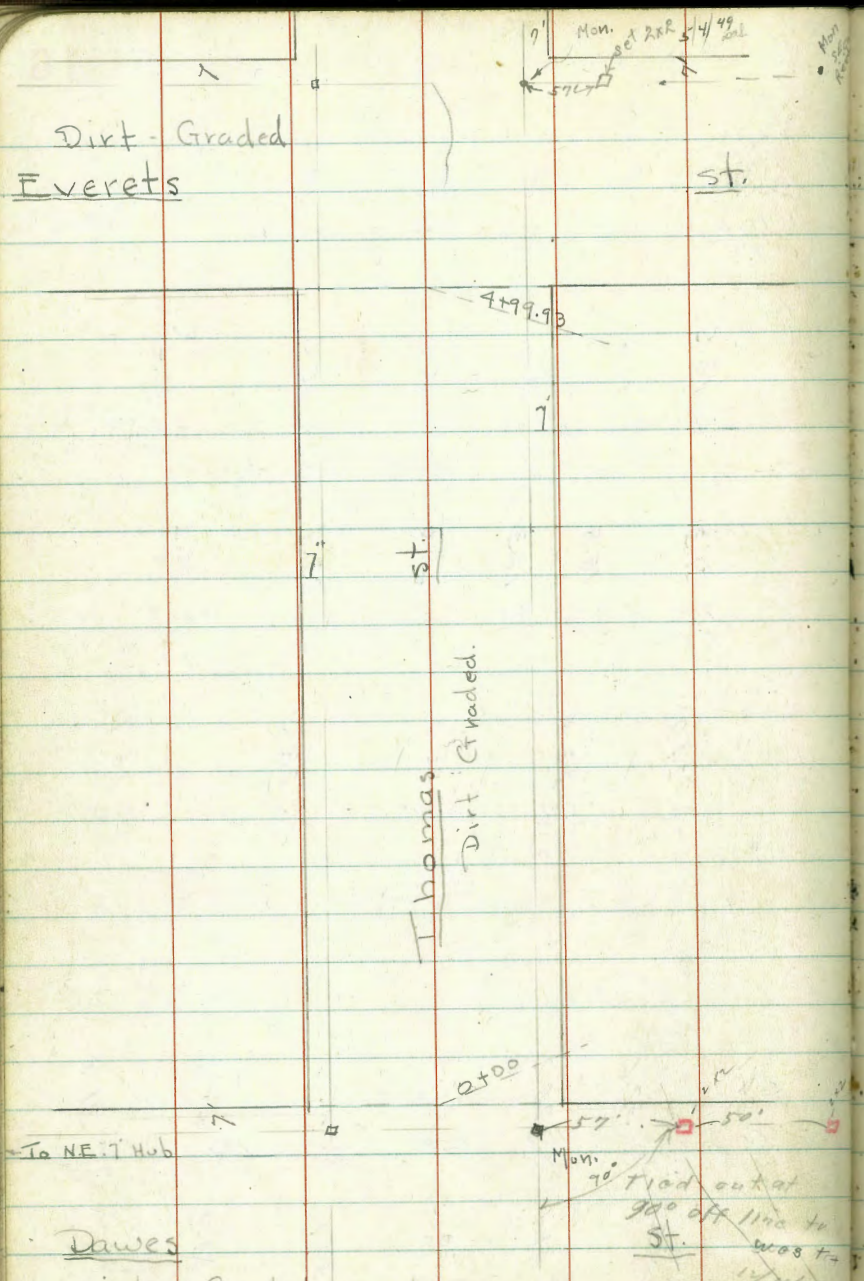
Catalina Blvd.

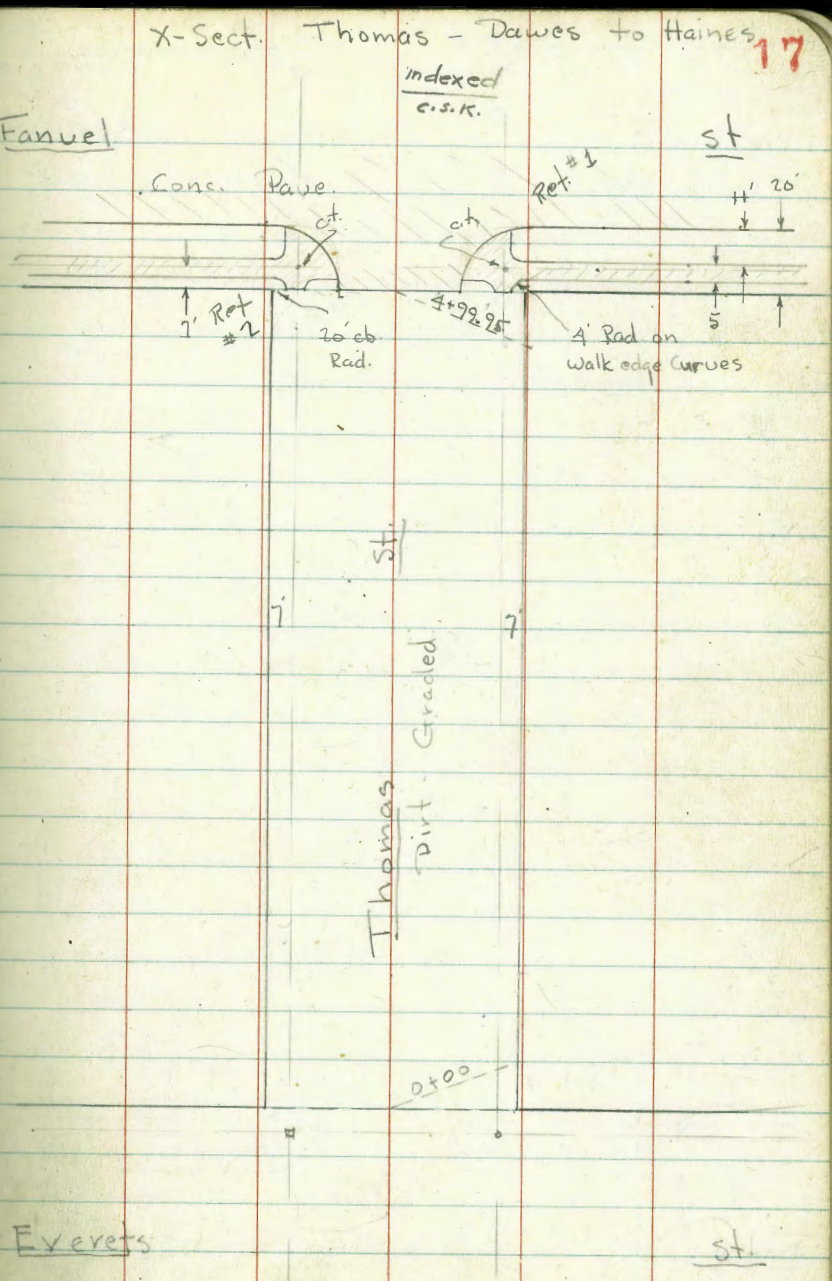
7+00					
6+50					
6+00					
5+50					
T.P.	0.35	28.33	12.13	27.98	
Check to Page 12 =	BM #1 (31.47)		8.63	31.48	0.01
5+09.66	South N'ly line Collier Park				
4+90		40.11			

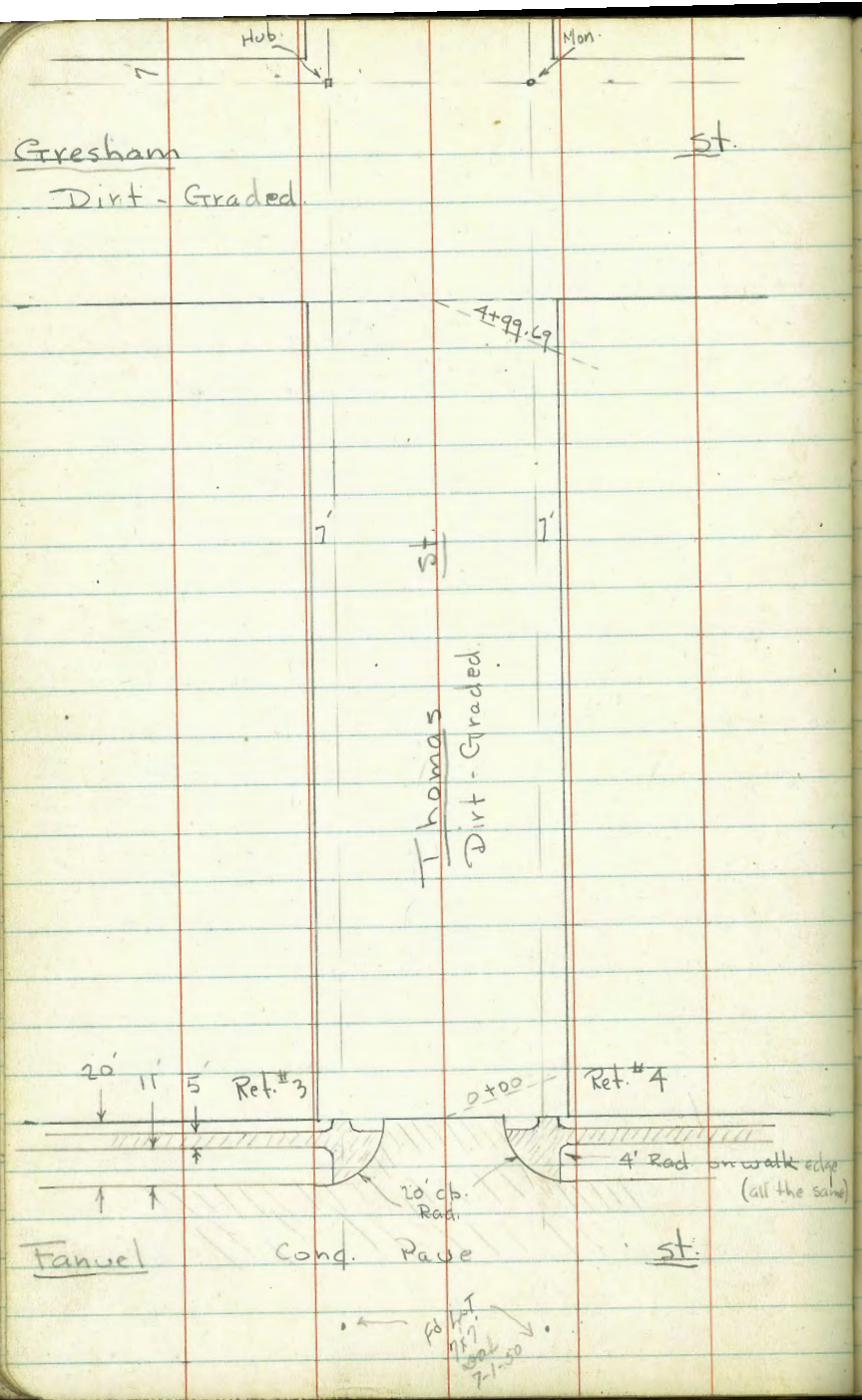
	Lt.		℄		Rt	
	15.7	14.2	14.3	28.1	54.0	
	12.6/85	14.1/75	14.0/60	0.2	+8.7/30	top of ridge
	18.5	16.6	18.1	28.6	28.3	30.4
	9.8/75	11.7/50	10.2/28	4.7	00/17	+2.1/40
	21.3	18.8	19.3	24.8	23.4	30.4
	7.0/65	9.5/40	9.0/10	7.5	4.7/25	+1.9/50
	24.0	22.8	22.9		23.3	28.1
	4.3/50	5.5/35	5.4		5.0/20	0.2/50
			28.33			
	34.1	32.6	28.2	27.3	27.6	29.8	31.9
	6.0/55	7.5/35	11.9/15	12.8	12.5/20	10.3/35	8.2/55
		35.7	31.1	30.3	30.1	33.2	37.0
	0.0/50	4.4/35	9.0/16	9.8	10.0/22	6.9/35	3.1/45
				40.11			

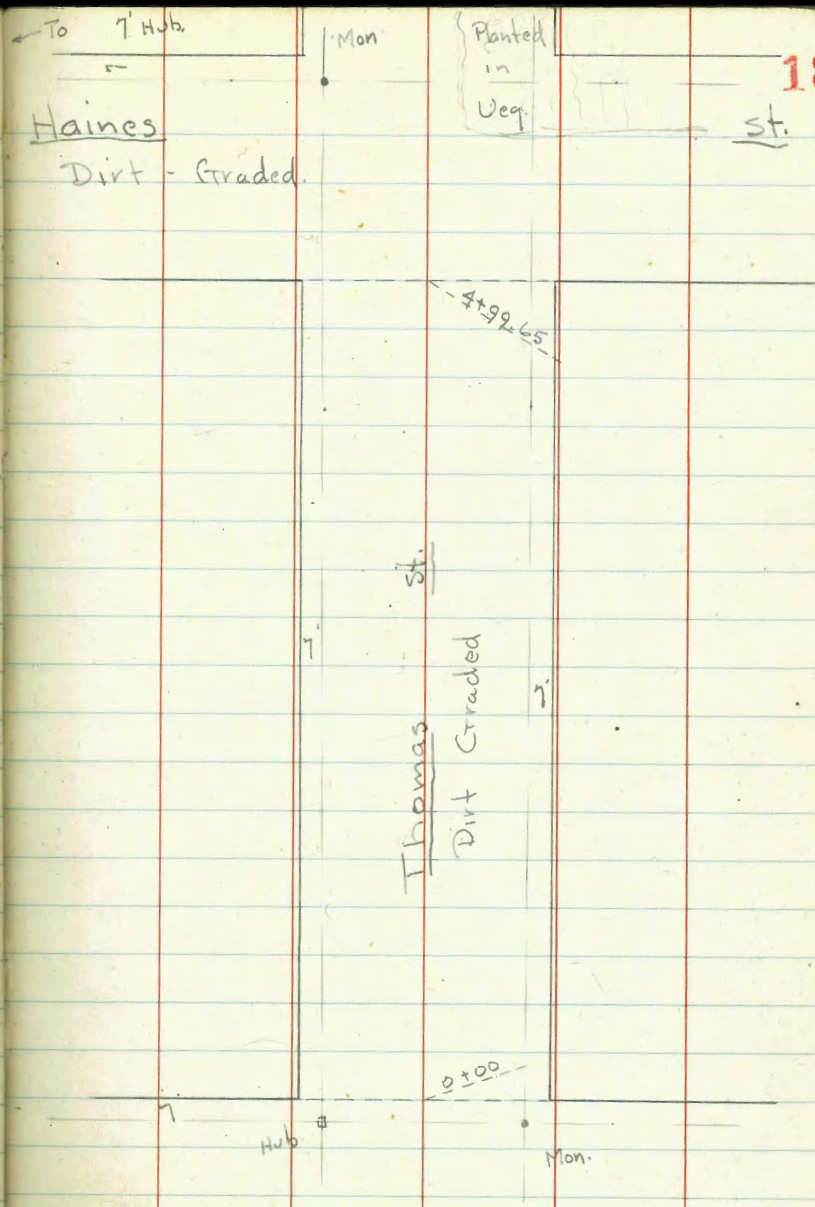
X-Sect. Thomas - Dawes to Haines

indexed
c.s.k.






Hub
Mon
Gresham
Dirt - Graded
St.
4+99.69
7'
7'
St.
Thomas
Dirt - Graded
20'
11'
5'
Ref. # 3
0+00
Ref. # 4
4' Rad. on walk edge
(all the same)
20' ctr. Rad.
Fanuel
Conc. Pave
St.


To 7' Hub.
Mon
Planted in Veg
Haines
Dirt - Graded
St.
4+99.65
St.
Thomas
Dirt Graded
7'
7'
0+00
Hub
Mon.
Gresham
St.

X-Sect. Thomas + 80' sf + 20' cbs.
from ℄ Dawes to ℄ Haines

1169
W.O. 31074

6-5-47
Osborne
Hardin
Worrell

T.P.	6.52	24.02	3.10	17.50
0+00 = E.L. Dawes				
0-20 = E. cb				
0-27 = Dirt gutter				
0-40 = ℄ Dawes				
B.M. on Mon. S.E.' Dawes & Thomas		5.76	14.84	S.E. Top Hyd.
B.M.	6.23	20.60	14.37	Cass & Thomas

Lt. = N. ℄ Rt. = S

18.20	17.30	16.80	16.20	24.02	15.30	15.60	15.40	15.30	14.10
2.4	3.3	3.8	4.4	4.8	5.3	5.0	5.2	5.3	6.5
100	50	40	20		17	20	40	50	100
18.70	17.50	17.10	16.20	15.60	15.20	15.10	14.70	14.00	
1.9	3.1	3.5	4.4	5.0	5.4	5.5	5.9	6.6	
100	50	40	20		20	40	50	100	
17.70	16.60	16.40	15.90	16.00	15.40	14.40	14.20	13.20	
2.9	4.0	4.2	4.7	4.6	5.2	6.2	6.4	7.4	
100	50	40	20		20	40	50	100	
18.20	17.10	16.80	16.30	16.00	15.40	14.80	14.60	13.70	
2.4	3.5	3.8	4.3	4.6	5.2	5.8	6.0	6.9	
100	50	40	20		20	40	50	100	

20.60

1+95 - 40' Lt. = ℄ 7' Conc. Dr.
1+92 - 39.9 Rt. = ℄ 2-2.5 Conc. Strip Dr.
1+68 - 39.8 Rt. = ℄ 3' Conc. walk
1+64 - 40' Lt. = ℄ 3' Conc. walk

1+57 - 35.3 Rt. = ℄ 1" Acacia
1+50

1+45 - 40' - Lt. = ℄ 7' Conc. Dr.
1+43 - 39.8 Rt. = ℄ - 2' - 2.5' Conc. Strip Dr.
1+18 - 39.8 Rt. = ℄ 3' Conc. walk
1+13 - 40' Lt. = ℄ 3' Conc. walk

1+00

0+92 - 39.8 Rt. = ℄ - 2 - 2.5' Conc. strip Dr.
0+68 - 39.9 Rt. = ℄ 3' Conc. walk

0+50

0+42 - 39.7 Rt. = ℄ 2 - 2.5' Conc. Strip Dr.
0+18 - 39.7 Rt = ℄ 3.2' Conc. walk

6-6-47
7.0

℄

Lt.

Rt.

18.19
5.88
40 = Dr.

16.84
7.18
39.9
Dr.

16.87
7.15
39.8

17.70
6.32
40 = walk

17.52
6.5
50

17.42
6.6
40

16.72
7.3
30

16.72
7.3
20

16.42
7.6

16.12
7.9
18

16.12
7.9
20

16.22
7.8
40

16.22
7.8
50

17.50
6.52
40 = Dr.

16.32
7.70
39.8 Dr.

16.37
7.65
39.8
walk

6.65
40
walk

17.12
6.9
50

16.92
7.1
40

16.52
7.5
20

16.22
7.8
18

16.12
7.9

15.72
8.3
19

16.22
7.8
22

16.02
8.0
40

16.02
8.0
50

16.16
7.86
39.8

16.11
7.91
39.9 = walk

16.42
7.6
50

16.32
7.7
40

16.02
8.0
20

15.52
8.5
18

15.52
8.5

15.32
8.7
18

15.82
8.2
22

15.72
8.3
40

15.72
8.3
50

15.96
8.06
39.7
Dr.

15.90
8.12
39.7
walk

24.02

T.P.	6.98	27.56	1.44	22.58
4+00				
3+50				
3+00				
2+92 – 40' Rt. = ℄ 2 - 2.5 Conc. Strip Dr.				
2+68 – 40' Rt. = ℄ 3 Conc. walk				
2+50				
2+42 – 40' Rt. = ℄ 2 - 2.5' Conc. Strip Dr.				
2+18 – 39.5 Rt. = ℄ 3' Conc. walk				
2+00				

Lt. ℄ Rt.

Station	Readings (elevation / rod / offset)
4+00	24.12 / +0.1 / 50; 24.22 / +0.2 / 40; 24.02 / 0.0 / 30; 23.32 / 0.7 / 20; 21.42 / 2.6 / 15; 21.12 / 2.9 / ℄; 20.42 / 3.6 / 18; 21.12 / 2.9 / 20; 22.22 / 1.8 / 30; 23.62 / 0.4 / 40; 23.82 / 0.2 / 50
3+50	20.92 / 3.1 / 50; 21.02 / 3.0 / 40; 20.62 / 3.4 / 20; 19.52 / 4.5 / 15; 19.92 / 4.1 / ℄; 19.42 / 4.6 / 18; 20.42 / 3.6 / 20; 20.82 / 3.2 / 40; 20.82 / 3.2 / 50
3+00	19.52 / 4.5 / 50; 19.42 / 4.6 / 40; 18.92 / 5.1 / 20; 18.52 / 5.5 / 14; 18.62 / 5.4 / ℄; 18.32 / 5.7 / 18; 19.12 / 4.9 / 20; 18.92 / 5.1 / 40; 18.62 / 5.4 / 50
2+92	18.60 / 5.42 / 40 Dr.
2+68	18.06 / 5.96 / 40 walk
2+50	18.12 / 5.9 / 50; 18.02 / 6.0 / 40; 17.92 / 6.1 / 20; 17.42 / 6.6 / 14; 17.52 / 6.5 / ℄; 17.22 / 6.8 / 18; 17.72 / 6.3 / 20; 17.72 / 6.3 / 40; 17.62 / 6.4 / 50
2+42	17.56 / 6.46 / 40 Dr.
2+18	17.16 / 6.86 / 39.5 walk
2+00	18.12 / 5.9 / 50; 18.02 / 6.0 / 40; 17.62 / 6.4 / 30; 17.32 / 6.7 / 20; 16.92 / 7.1 / ℄; 16.52 / 7.5 / 18; 16.82 / 7.2 / 20; 16.82 / 7.2 / 40; 16.62 / 7.4 / 50

24.02

48' E.

40' E. = ℄

32' E.

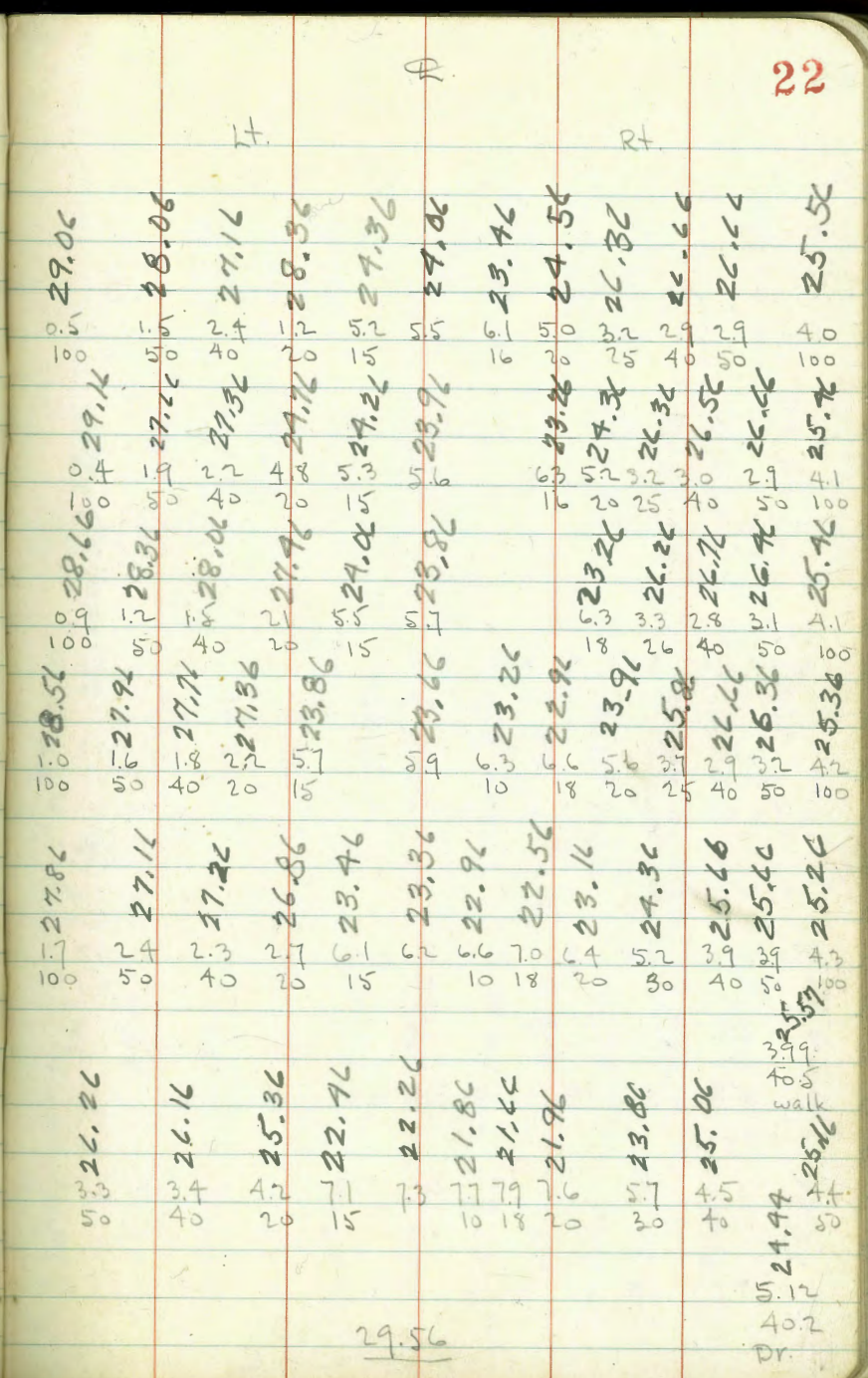
20' E. = W.cb

4+99.93 = W.L. Everetts

4+79- 40.5 Rt. = ℄ 3' Conc. walk

4+50

4+42- 40.2 Rt. = ℄ 8' Conc. Dr.



T.P.	7.68	32.99	4.25	25.31
1+50				
1+00				
0+94 - 38.8 Lt. = ℄ 8' Conc. Dr.				
0+50				
0+22 - 39' Lt. = ℄ 3' Conc. walk				
80' E. = E.L. Everets = 0+00 ahead				
60' E. = E. cb				

℄

Lt. Rt.

	28.26	27.96	27.26	25.26	32.99 25.26	24.96	25.56	25.96	25.56	25.26	
	1.3	1.6	2.3	4.3	4.3	4.6	4.0	3.6	4.0	4.3	
	50	40	20	14		15	20	30	40	50	
29.16	29.06	28.56	27.96	25.66	25.26			24.76	25.96	26.06	25.66
0.4	0.5	1.0	2.1	3.9	4.3			4.8	3.6	3.5	3.9
50	40	30	20	14				15	20	40	50
29.04											
0.52											
38.8 = Dr.											
29.06	28.86	28.46	27.36	25.86	25.26	24.76	24.46	25.46	26.06	26.26	26.16
0.5	0.7	1.1	2.2	3.7	4.3	4.8	5.1	4.1	3.5	3.3	3.4
50	40	25	20	15		10	15	20	30	40	50
28.73											
0.83											
39 walk											
29.56	28.46	28.16	26.86	25.06	24.56	24.06	24.76	25.96	25.86	25.96	24.96
0.0	1.1	1.4	2.7	4.5	5.0	5.5	4.8	3.6	3.7	3.6	4.6
100	50	40	20	15		16	20	25	40	50	100
28.96	28.36	28.36	28.06	24.66	24.26	23.66	24.66	26.36	26.66	26.86	25.66
0.6	1.2	1.2	1.5	4.9	5.3	5.9	4.9	3.2	2.9	2.7	3.9
100	50	40	20	15	29.56	15	20	25	40	50	100

4+00

3+91 - 41.6 Lt. - ℄ 2.5' Conc. walk Thru wall
3+58 - 40 Lt. = 3' Conc. walk Thru Conc. wall
3+57 - 41' Rt. = ℄ 7.5' Conc. Dr.

3+50

3+31 - 40.2 Rt. = ℄ 2.5 Conc. walk

3+00

2+50

2+31 - 39' Lt. = ℄ 2.5' Conc. walk
2+30 - 39.9 Rt. = ℄ 2.5' Conc. walk
2+09 - 39.1 Lt. = ℄ 8' Conc. Dr.
2+09 - 39.9 Rt. = ℄ 8' Conc. Dr.

2+00

29.09	28.89	Lt. 27.99	27.29	27.69 ℄	27.49	28.19	Rt. 27.99	27.89	
3.90	4.1	5.0	5.7	5.3	5.5	4.8	5.0	5.1	
50 = on Conc. Slab.	40	20	16		16	20	40	50	
28.13	29.11							27.30	
4.36	3.88							5.69	
40 = walk	41.6 = walk							41 = Dr.	
27.79	27.89	27.59	26.69	27.19		26.99	27.49	27.29	
5.0	5.1	5.4	6.3	5.8		6.0	5.5	5.7	5.7
50	40	20	16			16	20	40	50
27.89	27.69	27.49	26.39	26.69	26.49	26.49	26.89	26.59	27.13
5.1	5.3	5.5	6.6	6.3	6.5	6.5	6.1	6.4	5.86
50	40	20	16		15	20	40	50	40.2 walk
27.49	27.29	26.99	25.79	26.19	25.89	26.29	26.19	26.09	
5.5	5.7	6.0	7.2	6.8	7.1	6.7	6.8	6.9	
50	40	20	16		16	20	40	50	
27.39	27.34							26.24	26.05
5.60	5.65							6.75	6.94
39.1 Dr.	39 walk							39.9 walk	39.9 Dr.
27.19	27.39	27.19	25.39	25.59	25.29	26.19	25.89	25.69	
5.3	5.6	5.8	7.6	7.4	7.7	6.8	7.1	7.3	
50	40	20	15		15	20	40	50	

32.99

See P. 27 + 28 for Rods around Returns

40' E = ℄

20' E. = w.l. cb.

4+99.95 = w.l. Fanuel + edge of Conc. pave

4+90

T.P. 3.99 36.17 0.81 32.18 S.E. Top Hyd. Fanuel + Thomas

4+50

4+24 - 39.9 Lt. = ℄ 3' Conc. walk

4+08 - 40.8 Rt. = ℄ 8' Conc. Dr.

	Lt.		℄		Rt.	
	30.70	29.97	29.63	29.49	29.53	29.30	28.66
	5.47 100	6.20 40	6.54 20	6.43	6.64 20	6.87 40	7.51 100
	30.38	29.77	29.58	29.27	29.26	29.35	28.86	28.45	29.02	27.72	28.38
	5.79 100 Top	6.40 100 gut.	6.29 40 Top cb. P.C. to Rad.	6.90 40 gut.	6.91 20	6.82	7.31 20	7.72 40 gut.	7.15 40 Top - P.C.	8.45 100 gut.	7.79 100 Top
	30.17	29.97	29.83	29.57	28.86	28.97	28.98	28.75	28.41	29.03	29.15	29.21	29.37
	6.0 40	6.20 36 walk	6.34 31	6.66 20 Top cb.	7.31 20 gut.	7.20 10	7.19	7.42 10	7.76 20 gut.	7.14 20 Top end	7.02 31 cb. Ret.	6.96 36 walk	6.8 40
	30.27	30.07	29.27	29.87	29.07	29.07	28.67	29.07	29.67	29.71			
	5.9 50	6.1 40	6.9 30	6.3 20	7.1 16	7.1	7.5 16	7.1 20	6.5 40	6.4 50			
	29.79	29.59	29.39	28.29	36.17	28.49	28.19	28.99	28.99	29.59			
	3.2 50	3.4 40	3.6 20	4.7 16	4.5		4.8 15	4.0 20	4.0 40	3.4 50			
	29.04												29.49
	3.93 39.9 walk												5.20 40.8 Dr.
					32.99								

Cont. on P. 29

0+86 - 40' Lt. = ℄ 10' Conc. Dr. (gone) taken out Fence cont.

0+80 - 40' Lt. = end wall + ~~fence~~ fence cont.

Bottom = 9" below ground

0+68 - 39.6 Rt. = Beg. 6" Conc. wall - base for fence

0+59 - 39.5 Rt. = ℄ 11.5' Conc. Dr.

0+50 -

Bottom = 0.5' Below ground.

0+20 - 40' Lt. = Beg. 8" Conc. wall - base for fence

0+10

0+06 - 26.2' Lt. = ℄ 3" Acacia

0+00 - 39.3 Rt. = Beg. Picket fence

80' E. = E.L. Fanuel = 0+00 ahead = edge Conc. pave

60' E. = E. cb. Fanuel

100 in Dr. →

	Lt.			℄					Rt.		
	33.32	32.47	~~32.58~~								
	2.85	3.7	3.59								
	40	40	40								
	Top wall	ground	Dr.								
								31.67	32.41		31.97
								4.5	3.76		4.20
								39.6	39.6		39.5
								ground	Top wall		Dr.
0+50 -	32.27	32.91	31.97	31.87	30.87	31.47	31.07	31.67	31.67	31.57	
	3.9	3.26	4.2	4.3	5.3	4.7	5.1	4.5	4.5	4.6	
	50	40	40	20	18		15	20	40	50	
		Top wall	ground								
	32.48	31.6									
	3.69	4.5									
	40	40									
	Top wall	= ground									
0+10	31.67	31.57	31.17	30.47	30.47	30.07	30.87	31.07	31.17		
	4.5	4.6	5.0	5.7	5.7	6.1	5.3	5.1	5.0		
	50	40	20	18		15	20	40	50		
0+06 -	31.37	31.06	30.98	30.87	30.24	30.38	30.38	30.15	29.80	30.44	30.42	30.36	30.47
	4.8	5.11	5.19	5.30	5.93	5.79	5.79	6.02	6.37	5.73	5.75	5.81	5.7
	40	36	31	20	20	10		10	20	20	31	36	40
		walk		Top P.C.	gut.				gut.	Top cb. end = P.C. 20' Rad. Ret.		walk	
60' E. =	31.32	30.69	30.87	30.21	29.97		29.98	29.70	29.47	30.03	28.73	29.33
	4.85	5.48	5.30	5.96	6.20		6.19	6.47	6.70	6.14	7.44	6.84
	90	90	40	40	20		20	20	40	40	100	100
	Top	gut.	Top P.C. 20' Rad.	gut.					gut.	Top P.C.	gut.	Top

36.17

Rods around Returns - all 4 Corners
Fanuel + Thomas : 20' Rad.

Ret. # 1 (see sketch) = S.W. Cor. - 313 around - 5 parts
6.3 each

T = 36.17 - P. 26

S.L. Thomas S. end = W. of Fanuel + = P.C.	7.15	29.02	Top
	7.72	28.45	gut
6.3 N.	7.13	29.04	Top
	7.69	28.48	gut
"	7.06	29.11	Top
	7.62	28.55	gut
"	7.08	29.09	Top
	7.60	28.57	gut
"	7.08	29.09	Top
	7.62	28.55	gut
6.3 = P.C. = W.L. Fanuel	7.14	29.03	Top
	7.77	28.40	gut

Ret. # 2 - N.W. Cor. 314 around - 5 parts - 6.3

W. end = P.C. - W.L. Fanuel	6.66	29.51	Top
	7.31	28.86	gut
6.3 E	6.57	29.60	Top
	7.17	29.00	gut
"	6.45	29.72	Top
	7.11	29.06	gut

36.17

6.3	6.37	29.80	Top
	7.07	29.10	gut
"	6.35	29.82	Top
	6.95	29.22	gut
6.3 = P.C. = N.L. Thomas	6.29	29.88	Top
	6.90	29.27	gut

Ret # 3 = N.E. Cor. 31' around - 5 parts 6.2'

N. end - N.L. Thomas	5.30	30.87	Top
	5.96	30.21	gut
6.2 S.	5.37	30.80	Top
	6.03	30.14	gut
"	5.44	30.73	Top
	6.06	30.11	gut
"	5.45	30.72	Top
	6.11	30.06	gut
"	5.40	30.77	Top
	6.01	30.16	gut
6.2 = P.C. = E.L. Fanuel	5.30	30.87	Top
	5.93	30.24	gut

(over)

36.17

Ret. # 4. - S.E. Cor.	31.6 around - 5 parts - 6.3		
E. end - P.C. = E.L. Fanuel	5.72	30.45	Top
	6.37	29.80	gut.
6.3 W.	5.84	30.33	Top
	6.42	29.75	gut.
"	5.92	30.25	Top
	6.46	29.21	gut.
"	6.01	30.16	Top
	6.56	29.61	gut.
"	6.10	30.07	Top
	6.67	29.50	gut.
6.3 = P.C.	6.13	30.04	Top
	6.70	29.47	gut.

2+50 40' Lt End 2' picket fence

T.P. 7.10 41.59 1.68 34.49

2+34 - 41.4 Rt. = ℄ 2.5' Conc. walk

2+00 40' Lt Begin 2' picket fence

1+92.5 40' Lt ℄(2) 1' con strip Drive 6' wide overall

1+68 39' Lt & Rt con walk

1+65 - 40 Rt. = ℄ 2' Conc. walk

1+50 - 39' Rt. = end fence

1+50 40' Lt End Picket Fence

1+39 = 19.5 Rt. = ℄ 7' overall Dr. - 2 - 2' Conc. Strips (Level).

1+20 - 34' Lt. = ℄ 1' Conc. walk

1+00 - 39' Rt. = Beg. picket fence

1+00 - 39.6 Rt. = end Conc. wall + fence

Cont. from P. 26

35.39 35.39 34.79 34.19 34.49 34.69 34.49 34.19 34.49 34.49 34.49

6.2 6.2 6.8 7.4 7.1 6.9 7.1 7.4 7.1 7.1 7.1

50 40 20 17 10 10 20 40 50

41.59

34.57 34.27 33.97 33.27 33.67 33.97 33.67 33.27 33.57 33.57 33.47 34.35 1.82 41.4 walk

1.6 1.9 2.2 2.9 2.5 2.2 2.5 2.9 2.6 2.6 2.7

50 40 20 18 10 10 17 20 40 50

33.67 33.57 33.07 32.57 32.97 33.17 32.87 32.57 32.77 32.67 32.57 33.00 3.17 40 walk

2.5 2.6 3.1 3.6 3.2 3.0 3.3 3.6 3.4 3.5 3.6

50 40 20 18 10 10 17 20 40 50

32.84 3.33 19.5 = Dr. 32.64 3.53 40 on Dr.

32.95 3.22 34 = walk

32.87 32.57 32.37 31.67 32.17 32.37 32.07 31.67 32.07 32.34 32.07 31.87

3.3 3.6 3.8 4.5 4.0 3.8 4.1 4.5 4.1 3.93 4.1 4.3

50 40 20 18 10 10 17 20 39.6 40 50

36.17 Top wall

20' E. = W. cb.

33.6 / 59 Footing 40 — 39.78 / 181 Top 40

4+99.69 = W.L. Gresham — 40' Rt End 6" con & brick wall

36.60 / 4.99 / 50 — 36.62 / 4.97 / 40 Top step — 36.83 / 5.17 / 40 Bot step

4+74 - 26.1 Rt. = ℄ 2.5' Conc. walk — Wall 3.9' from bottom of footing

36.4 / 6 1/1 Footing 40 (circled) — 39.52 / 2.07 Top 40

4+50 40' Rt Begin 6" con & brick wall

4+50 — 36.39 / 5.20 / 50 — 36.33 / 5.26 / 40

4+31.5 40' Rt = ℄ 3' Con Walk

4+09 40' Rt = ℄ 8.5' con drive — 36.10 / 5.49 / 50 — 36.05 / 5.54 / 40

4+00

3+60 40' Rt = ℄ 8' Con drive — 36.13 / 5.46 / 50 — 36.10 / 5.49 / 40

3+50

3+34 42.2' Lt = ℄ 8.5' Con drive — 36.95 / 4.64 / 50 — 36.79 / 4.80 / 42.2

3+01 - 42' Lt. = ℄ 2.5' Conc. walk

3+00

Lt.							℄	Rt.					
38.59	37.69	37.49	37.39	36.99	36.59	36.69	36.69	36.39	36.19	36.39	36.79	36.49	36.09
3.0	3.9	4.1	4.2	4.6	5.0	4.9	4.9	5.2	5.4	5.2	4.8	5.1	5.5
100	50	40	30	20	17	8		8	17	20	40	50	100

38.39	37.69	37.49	37.59	36.39	36.89	36.89	36.69	36.09	36.69	36.49	36.29	35.89
3.2	3.9	4.1	4.0	5.2	4.7	4.7	4.9	5.5	4.9	5.1	5.3	5.7
100	50	40	20	17	8		8	17	20	40	50	100

36.81 / 4.78 / 26.1 walk — 36.43 / 5.16 / 40 on walk

37.59	37.49	37.39	36.99	36.29	36.79	36.89	36.59	36.19	36.69	36.39	36.19
4.0	4.1	4.2	4.6	5.3	4.8	4.7	5.0	5.4	4.9	5.2	5.4
50	40	30	20	17	8		8	16	20	40	50

37.29	37.29	37.49	36.59	35.99	36.39	36.59	36.39	36.09	36.59	35.99	35.99
4.3	4.3	4.1	5.0	5.6	5.2	5.0	5.2	5.5	5.0	5.6	5.6
50	40	30	20	17	8		8	15	20	40	50

36.99	36.89	37.09	36.29	35.69	35.99	36.09	35.99	35.69	36.49	35.79	35.79
4.6	4.7	4.5	5.3	5.9	5.6	5.5	5.6	5.9	5.1	5.8	5.8
50	40	30	20	17	8		8	16	20	40	50

36.23 / 5.36 / 42 = walk

36.29	36.09	35.49	34.89	35.39	35.49	35.39	34.99	35.99	35.59	35.49
5.3	5.5	6.1	6.7	6.2	6.1	6.2	6.6	5.6	6.0	6.1
50	40	20	17	10		10	17	20	40	50

41.59

T.P.	11.03	51.09	1.53	40.06
1+50				
1+00				
0+50				

0+40 - 15' Rt. = ℄ 13" Cypress
0+18 - 15' Rt. = ℄ 15" Cypress

80' E. = E.L. Gresham = 0+00 ahead

60' E = E cb.

40' E. = ℄ Gresham

30' E. = Dirt gutter.

Row											
1+50	40.49 / 1.1 / 50	40.29 / 1.3 / 40	39.59 Lt. / 2.0 / 20	39.49 / 2.1 / 10	39.29 / 2.3	39.59 / 2.1 / 20	38.49 Rt. / 3.1 / 40	38.29 / 3.3 / 50			
1+00	38.99 / 2.6 / 50	38.69 / 2.9 / 40	37.89 / 3.7 / 20	37.99 / 3.6 / 10	38.09 / 3.5	37.99 / 3.6 / 20	37.39 / 4.2 / 40	36.99 / 4.6 / 50			
0+50	38.29 / 3.3 / 50	37.99 / 3.6 / 40	37.29 / 4.3 / 20	37.19 / 4.4 / 10	37.19 / 4.4	37.19 / 4.4 / 20	36.69 / 4.9 / 40	36.29 / 5.3 / 50			
80' E.	38.79 / 2.8 / 100	37.89 / 3.7 / 50	37.59 / 4.0 / 40	37.49 / 4.1 / 25	36.89 / 4.7 / 20	36.99 / 4.6 / 10	36.89 / 4.7	36.79 / 4.8 / 20	36.79 / 4.8 / 40	36.69 / 4.9 / 50	36.19 / 5.4 / 100
60' E	38.19 / 3.4 / 100	37.49 / 4.1 / 50	37.29 / 4.3 / 40	36.99 / 4.6 / 20	36.79 / 4.8	36.29 / 5.3 / 20	36.19 / 5.4 / 40	35.99 / 5.6 / 50	35.49 / 6.1 / 100		
40' E.	38.19 / 3.4 / 100	37.29 / 4.3 / 50	37.19 / 4.4 / 40	36.89 / 4.7 / 20	36.59 / 5.0	36.29 / 5.3 / 20	35.99 / 5.6 / 40	35.79 / 5.8 / 50	35.29 / 6.3 / 100		
30' E.	37.79 / 3.8 / 100	36.99 / 4.6 / 50	36.79 / 4.8 / 40	36.59 / 5.0 / 20	36.49 / 5.1	35.99 / 5.6 / 20	35.79 / 5.8 / 40	35.59 / 6.0 / 50	34.89 / 6.7 / 100		

41.59

3+50 - 14.6 Rt = ℄ 3' Cypress
3+20 - 38.2 Lt. = Beg. Rail fence

T.P.	8.57	54.81	4.85	46.24	High Cor. Meter by 35' Ht. 3+10
3+00					
2+50					
2+13 - 40' Rt. = ℄ 3' Conc. walk					
2+00	39.9 = ℄ 2' Conc. Strip. + 28.8 Lt = ℄ 3" Palm				
1+94 - 39.9' Rt. = ℄ 4' Conc. Strip - Dr. to Doub Gar - Conc. floor					
1+88 - 39.8 Rt. = ℄ 2' Conc. Strip for Dr. to Gar.					
1+80 - 29' Lt. = end ℄ Hedge					
1+55 - 28.5' Lt. = Beg. ℄ Tree Hedge					

	47.71	47.51 Lt	46.91	46.61	46.41 ℄	46.71		46.71 Rt.	46.11	46.21	46.01
	7.1 50	7.3 40	7.9 20	8.2 10	8.4	8.1 10		8.1 20	8.7 30	8.6 40	8.8 50
	46.39	46.09	45.29	44.99	44.59		54.81	44.89		44.59	44.19
	4.7 50	5.0 40	5.8 20	6.1 10	6.5			6.2 20		6.5 40	6.9 50
	44.99	44.49	43.39	43.39	42.99	43.19		42.69		42.39	41.47
	6.1 50	6.6 40	7.7 20	7.7 10	8.1	7.9 20		8.4 40		8.7 50	9.62 40 walk
	41.99	41.99	41.39	41.09				40.89		40.87	40.61
	9.1 50	9.1 40	9.7 20	10.0				10.2 20		10.22 39.9 end Conc.	10.48 50 on Conc.
						40.82		40.29			40.49
						10.27 39.7		10.89 72 floor Gar.			10.40 39.8 Dr.

51.09

4+81 - 36.2 Lt. = ℄ Sly. end 6" Conc wall

4+80 - 38.8' Rt. = ℄ 3' Conc. walk

4+72 - 15' Rt. = ℄ 20" Cypress

4+63 - 36.2 Lt. = ℄ Sly. end 6" Conc. wall

T.P. 6.96 58.86 291 51.90

4+57 - 15' Rt. = ℄ 18" Cypress

4+53 - 36.4 Lt. = Sly. end 4" Brick wall (N + S)

4+50 - 36.1 Lt. = end rail fence + Beg. picket fence

4+46 - 15.5' Rt. = ℄ 18" Cypress

4+45 - 41.7 Rt. = ℄ of Ely 25' Conc. strip

4+40 - 41.5 Rt. = ℄ of wly. 25' Conc. strip to Dr.

4+23 - 15' Rt. = ℄ 18" Cypress

4+16 - 36.3 Lt. = ℄ 2' Conc. walk

4+10 - 14.8' Rt. = ℄ 24" Cypress

4+01 - 38.2 Lt. = ℄ 6" Palm

4+00 - 37' Lt. = fence

3+76 - 14.8 Rt. = ℄ 30" Cypress

3+52 - 39.8 Rt. = ℄ 2.5 Conc. walk

	Lt.				℄			Rt.		
	54.58									
54.06	4.28	53.66	53.66	52.66	52.86	53.16	53.56	53.14	53.12	52.97
	36.2 Top wall									
4.8	53.34	5.2	5.2	6.2	6.0	5.7	5.3	5.72	5.74	5.89
50		40	25	20	10		20	38.8 end walk	40 on walk	50
	5.52 36.2 Top wall									
					58.86					
	53.36									
	1.45 36.4 Top wall									
	50.91	51.11	50.61	50.41	50.51	50.11	50.31	50.16	49.97	50.14
49.96	3.9	3.7	4.2	4.4	4.3	4.7	4.5	4.65	4.84	4.67 41.7 Dr.
	50	40	20	10		20	40	41.5 Dr.	50 on Dr.	
	4.85 36.3 walk									
	49.81	49.71	48.71	48.41	48.31	48.31	47.81	47.81		
	5.0	5.1	6.1	6.4	6.5	6.5	7.0	7.0		
	50	40	20	10		20	40	50		
										46.00
										8.81 39.8 walk
					54.81					

Check BM - NE. Grand Ingraham ✱			5.84	55.82	55.85
	5.68	61.66	4.33	55.98	
T.P	3.63	60.31	2.18	56.68	

5+39.65 = ℄ Haines. = end

5+29.65

5+19.65 = W. ch.
5+18 - 36.3 Lt. = ℄ 6" Palm
5+15 - 26.7 Rt. = ℄ 24" Palm
5+04 - 15.7 Rt. = ℄ 26" Cypress

5+00 - 35.8 Lt. = end fence

4+99.65 = W.L. Haines

4+84 - 15.3 Rt. = ℄ 12" Cypress

	Lt.		℄		Rt			
	56.54							
	2.3		3.0	3.1	3.4	3.7	4.0	4.3	4.4	5.8
	100		50	40	20		20	40	50	100
56.16	55.47		55.86	55.74		55.14				
2.7	3.2		3.3	3.7		3.8	4.3	4.6	4.7	5.9
100	50		40	20			20	40	50	100
56.76	56.24	55.84	55.36	54.86	54.76	54.86	55.26	55.16	54.56	53.26
2.1	2.6	3.0	3.5	4.0	4.1	4.0	3.6	3.7	4.3	5.6
100	50	40	25	20	10		10	20	50	100
55.76	55.06	54.96	54.76	54.06	53.86	54.26	54.16	53.96	53.86	53.06
3.2	3.8	3.9	4.1	4.8	5.0	4.6	4.7	4.9	5.0	5.8
100	50	40	27	20	10		20	40	50	100

58.86

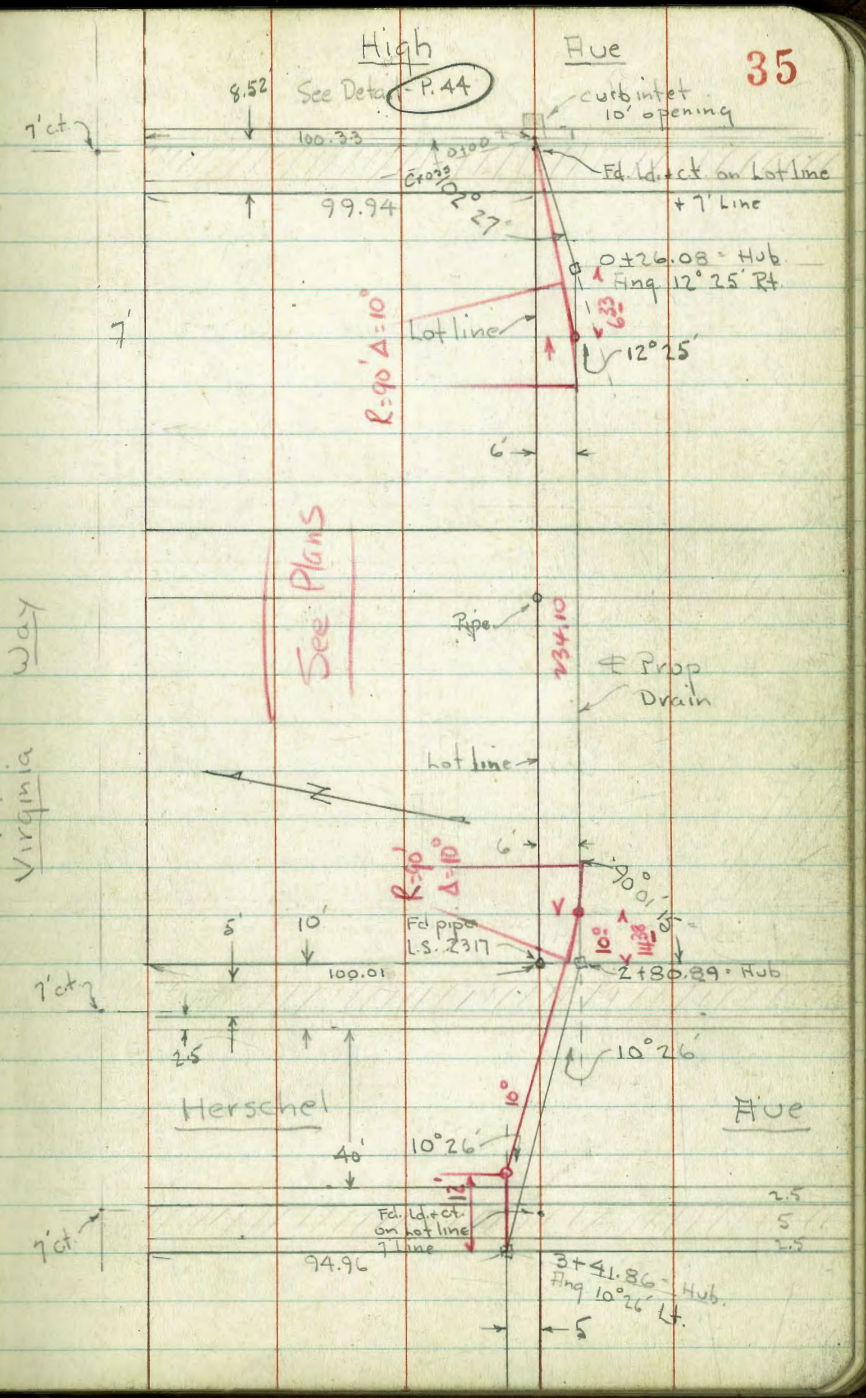
Indexed
C.S.K.

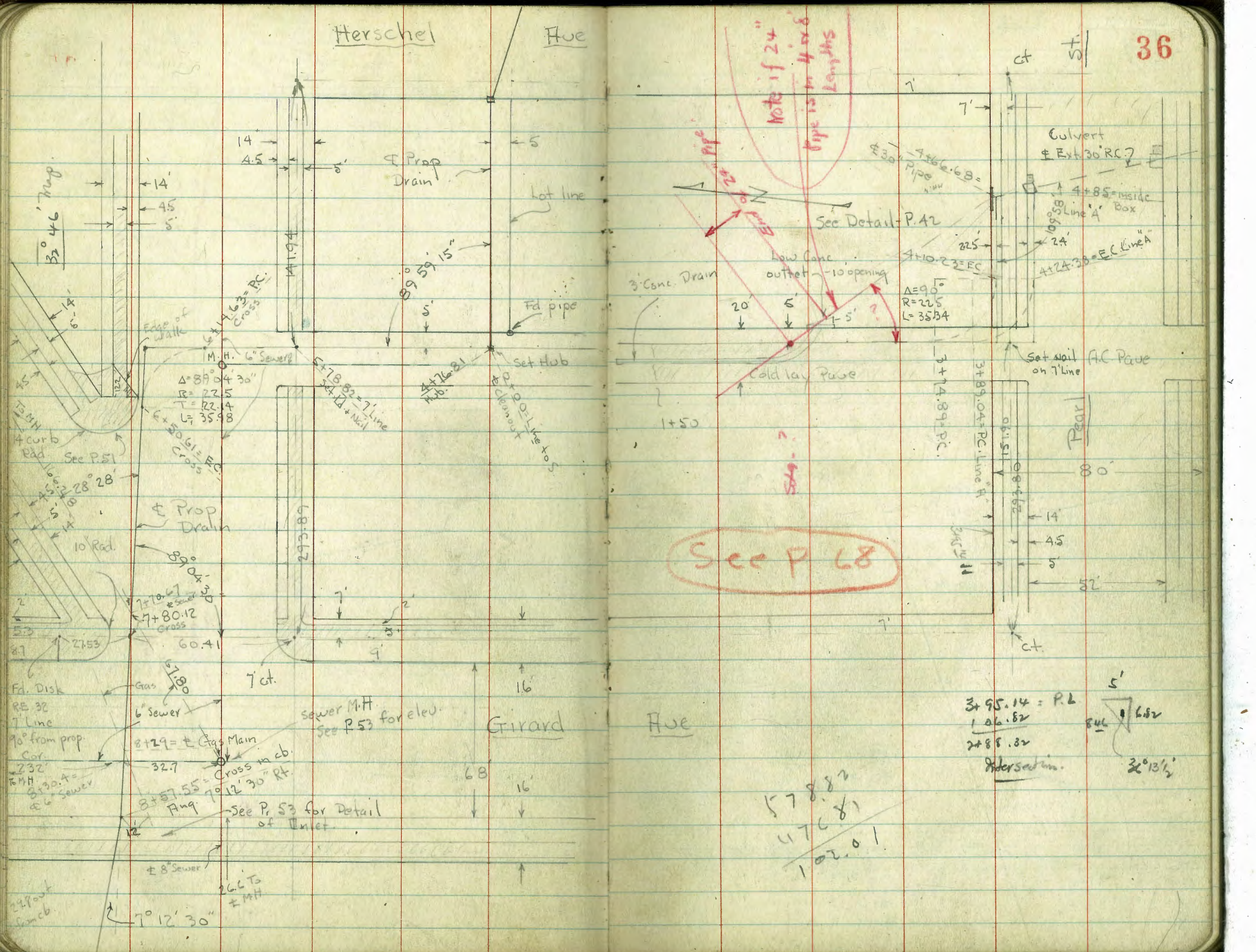
Location + Levels for Proposed Storm Drain - from High Ave to Eads Ave. Along College Way

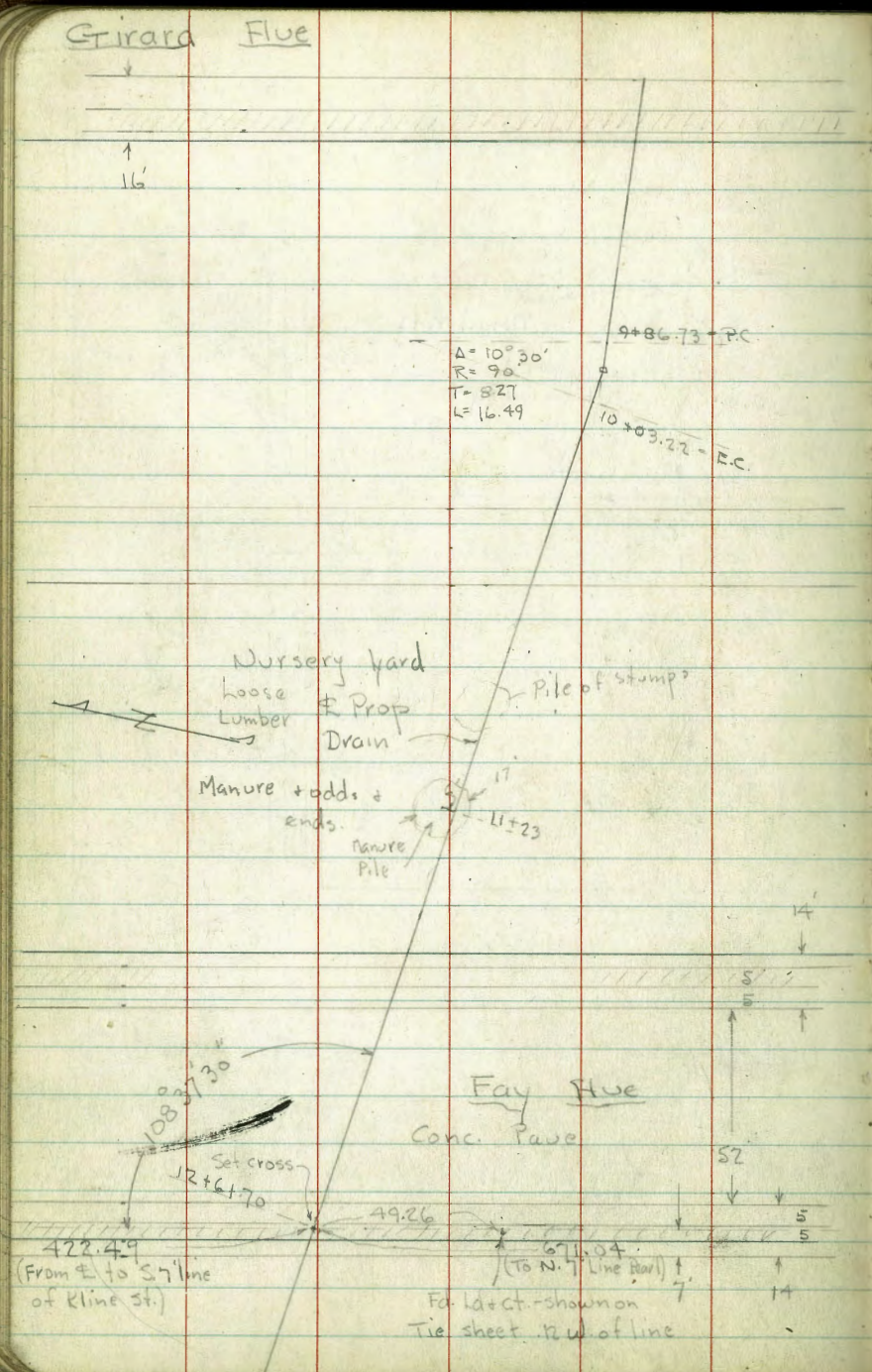
1217
W.O. 90036

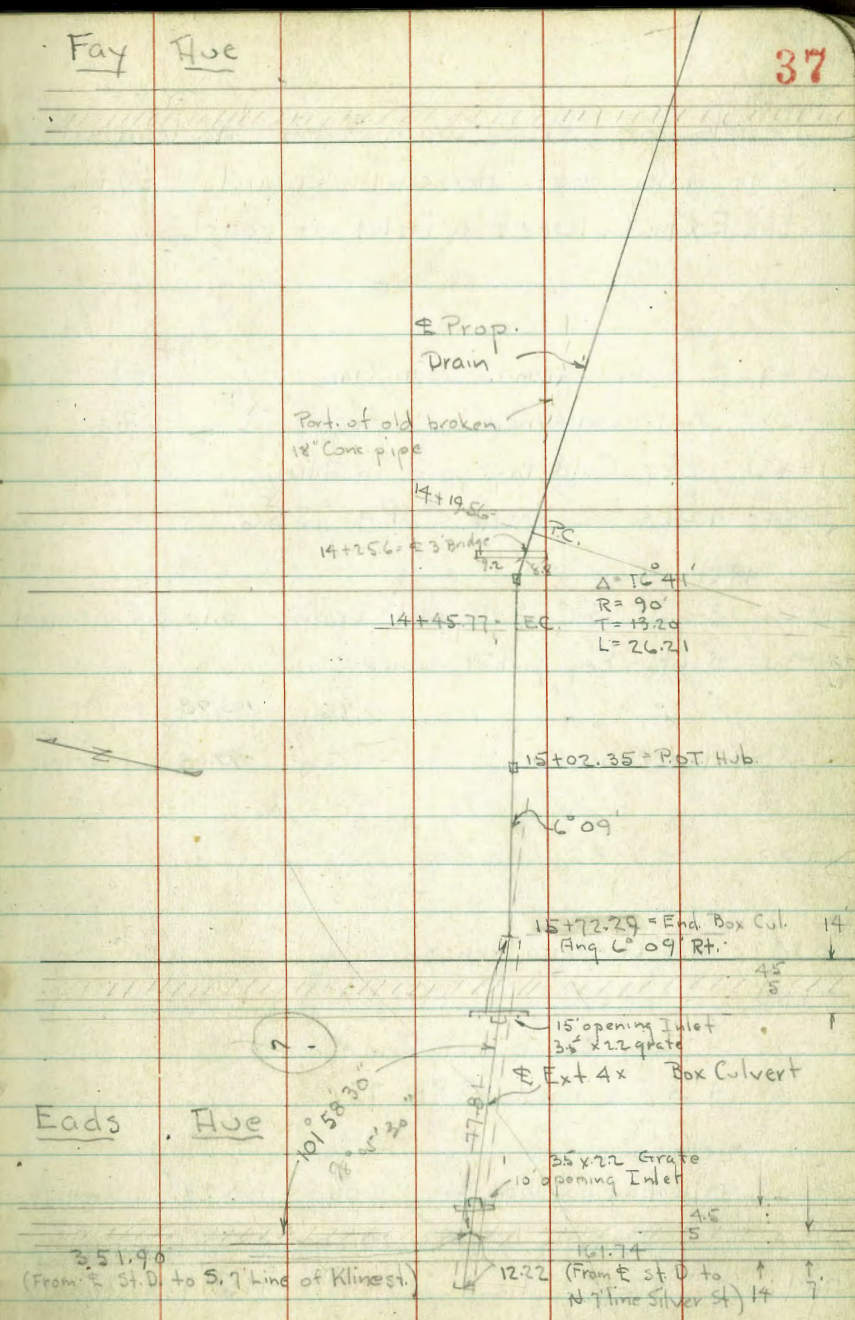
6-30-47

Osborne
Hardin
Smith
Worrell




Herschel Ave
Girard Ave
Pear St
℄ Prop Drain
Lot line
Fd pipe
Set Hub
Edge of Walk
M.H. 6" Sewer
Δ=89°04'30"
R=22.5
T=22.14
L=35.98
See P.51
℄ Prop Drain
10' Rad.
7+80.12 Cross
60.41
Fd. Disk
RE 32
7' Line
90° from prop. Cor.
6" Sewer
8+29 = ℄ Gas Main
Cross in cb.
7°12'30" Rt.
8+57.55 = Ang
See P. 53 for Detail of Inlet
℄ 8" Sewer
26.6 To ℄ MH
7°12'30"
7' ct.
Sewer M.H. See P.53 for elev.
Note if 24" Pipe is in 4 or 8 Lengths
See Detail P.42
Culvert
℄ Ext. 30" RC
4+85 = inside Box
Line "A"
4+24.38 = E.C. Line "A"
4+10.23 = E.C.
Low Conc. outlet - 10' opening
3' Conc. Drain
Δ=90°
R=22.5
L=35.34
Cold lay Pave
1+50
Set nail on 7' Line
A.C. Pave
3+74.89 = P.C.
3+89.04 = P.C. Line "A"
80'
52'
ct.
See P 68
3+95.14 = P.L.
1 06.82
2+88.32
Intersection
36°13½'
578.82
476.81
102.01


Girard Ave
16'
9+86.73 = P.C.
Δ = 10° 30'
R = 90'
T = 8.27
L = 16.49
10+03.22 = E.C.
Nursery yard
Loose Lumber
℄ Prop Drain
Pile of stumps
Manure + odds + ends.
Manure Pile
17
11±23
14'
5'
5
108°37'30"
Fay Ave
Conc. Pave
Set cross
12+61.70
49.26
52
5
5
422.49
(From ℄ to S.7' line of Kline St.)
671.04
(To N.7' Line Pearl)
7'
14
Fd. Ld + Ct. - shown on Tie sheet 12 W. of line


Fay Ave
℄ Prop. Drain
Port. of old broken 18" Conc pipe
14+19.56
P.C.
14+25.6 = ℄ 3' Bridge
9.2
8.8
Δ = 16° 41'
R = 90'
T = 13.20
L = 26.21
14+45.77 = E.C.
15+02.35 = P.O.T. Hub.
6° 09'
15+72.29 = End. Box Cul. Ang. 6° 09' Rt.
14'
4.5
5
15' opening Inlet 3.5' x 2.2 grate
℄ Ext 4x Box Culvert
Eads Ave
101°58'30"
3.5 x 2.2 Grate
10' opening Inlet
4.5
5
351.90
(From ℄ St. D. to S.7' Line of Kline St.)
12.22
161.74
(From ℄ St. D. to N.7' line Silver St.)
14
7'

Levels on Prop. Drain from ℄ Cleanout in Alley Bet. Herschel + Girard - South to Ext. Culvert + Inlet at Pearl.

7.0 Lt. = E. ℄ Rt. = W.
7-7-47

1+69 = ℄ Conc. apron to Doub. Gar.
1+60 - 5' Lt. = end fence
1+50 = Beg. Cold lay pave in Alley
1+44 - 4.2 Lt. = ℄ P. pole - # P.A. 7556

106.32 3.02 12.5 Gar Conc. floor
105.08 4.26 4.5 edge Conc. apron
104.6 4.7 5
104.2 5.1
104.10 5.24 4.9 ℄ Drain
104.2 5.1 10 on pave

4.9 Rt. =
1+26 = Beg. ℄ 3' Conc. Dipped Drain - 0.10' Dip in center.
1+30 - 5' Lt. = Beg. picket fence

103.62 5.72 4.9 ℄ = low point in Conc. Drain

	5.86	103.48	on Rim
1+24 - 4.9 Rt. = ℄ Sewer M.H.	12.26	97.08	6" Sewer Flowline

1+00

103.8 5.5 10
103.8 5.5 5
103.3 6.0
102.7 6.6 3 ℄ Ditch
103.5 5.8 6
103.4 5.9 10

0+82 - 4.8 Lt. = end fence
0+50
0+05 - 4.7 Lt. = Beg. picket fence
0+05 - 4' Lt. = ℄ P. pole = # P.A. 7580

102.7 6.6 5
101.4 7.9 ℄ Ditch
102.6 6.7 4
102.4 6.9 10

= ℄ cleanout
0+00 = 4+76.81 on Line from E.

		9.06	100.28 ✓	on Hub.
	3.08	109.34 ✓	10.20	106.26
B.M.	1.29	116.46 ✓		115.17 ✓

S.E. B.P. Pearl + Girard

101.8 7.5 5
100.30 9.04 on Hub in Ditch
101.2 8.1 4
101.2 8.1 10

109.34 ✓

3+74.89 = PC 22.5 Rad. Curve

3+45 - 3.8 Lt. = ℄ P. pole # PA 7514

3+40

3+03 = ℄ end outlet

5' Lt.

2+92 = 4N end Conc. outlet for 30" Drain from Pearl

T.P.	774	116.53	0.55	108.79

2+88 = ℄ at ℄ Conc. Drain

2+88 - 4.2 Lt. = ℄ P. pole # PA 7520

2+77 - 4.9 Rt. = Eng. in Conc. Drain

2+68 - 5' Lt. = end Conc. apron

2+50

2+04 - 5' Lt. = Beg Conc. apron to Garages

2+00

	Lt.		℄		Rt
	4.2 (112.3) 10	4.4 (112.1) 5	4.7 (111.8)	4.9 (111.6) 5	4.8 (111.7) 10
		edge pave			
	5.2 (111.3) 10	5.8 (110.7) 6	6.1 (109.8) 5	6.9 (109.6)	6.9 (109.6) 5	6.9 (109.6) 10
		edge pave			
Top Coverel. 10	7.45 (109.08) 5	8.58 (107.95) 5	8.5 (108.0)	8.5 (108.0) 5	8.4 (108.1) 10
	Top	F.L. outlet			
	7.86 (108.67) 5	8.91 (107.62) 5	9.08 (107.45) 2.6	9.0 (107.5)	
	Top outlet.	F.L. outlet	℄ Conc. Drain		
			116.53 ✓		
			2.02 (107.32) ℄ Drain		
	2.09 (107.25) 9.8	2.43 (106.91) 5			2.32 (107.02) 4.9 = ℄ Drain
	floor Gar.	edge apron			
			2.81 (106.4) 5.1	2.9	3.11 4.9 ℄ Drain	2.9 10
			edge pave + Conc apron			
	2.47 9.5	3.62 5				
	floor Gar.	edge apron				
			3.9 (105.6) 5	3.9 (105.4)	4.21 (105.13) 4.9 = ℄ Drain	4.1 (105.2) 10
			edge Pave	109.34 ✓		

4+14.1 = ℄ + face N.cb. Pearl

4+04 = ℄ + face of cb. on Alley Ret. (outs radial

3+89.04 = P.C. 22.5' Rad. Curve

Beg. Alternate Line "A" - outside of cb. - Same Rad.

4+71.8 = 1.5' Lt. = End sly. wall = end.

See Detail - P. 42

4+66.68 = ℄ 30" RC pipe (for Conn.)

4+59.8 - 1.5' Lt. = sly. 12" Conc. Headwall (prob. was for orig outlet of 30" pipe)

4+35

4+10.23 = E.C.

3+90.2 = ℄ on curve at edge pave - outs Radial

℄

Lt				Rt
113.90	113.88	113.85	113.28	
2.63	2.65	2.11	3.28	2.60 113.93
10.4 walk	5	Top	gut	10
113.9	113.82	113.80	113.26	113.07
2.6	2.71	2.73	3.27	3.81
10	5 edge walk	Top	gut	10
113.1	113.0	112.7	112.5	112.6
3.4	3.5	3.8	4.0	3.9
10	5 edge pave		5	10 on pave

114.67
1.86
Topwall

113.3	113.5	114.62	114.3	108.49	114.25	114.12
3.2	3.0	1.91	22	8.04	2.28	2.41
10	2.5 ground.	1.5 Topwall	ground.	flow line pipe	22.5	7.25 walk

114.5
2.00
1.5
Topwall

114.7	113.5	114.23	114.23		114.16
3.8	3.0	22	2.30		2.37
10	4		22.5	walk	7.25
114.7	113.1	114.0	114.01		113.96
3.8	3.4	2.5	2.52		2.57
10	4		22.5 edge walk		7.25
114.5	113.0				113.9
4.0	3.5				3.6
10	edge pave				10

116.53

Lt. ℄ Rt.

on Line of S. cb.

3' out from S. cb - outs from ℄ 30" Pipe = Outside of Grate

Inlet on S. side of Pearl

3' out from cb. = out side of Grate

on N. side Pearl

Levels on Inlets - Line of 30" Pipe across Pearl = Base line

Top wall
T.P. - SE Cr 4.28 118.95 ✓ 1.86 114.67

4+85 = Inside of W. side of Conc. Box for 30" pipe Completely Covered - inlet on E. side - See Detail P. 42

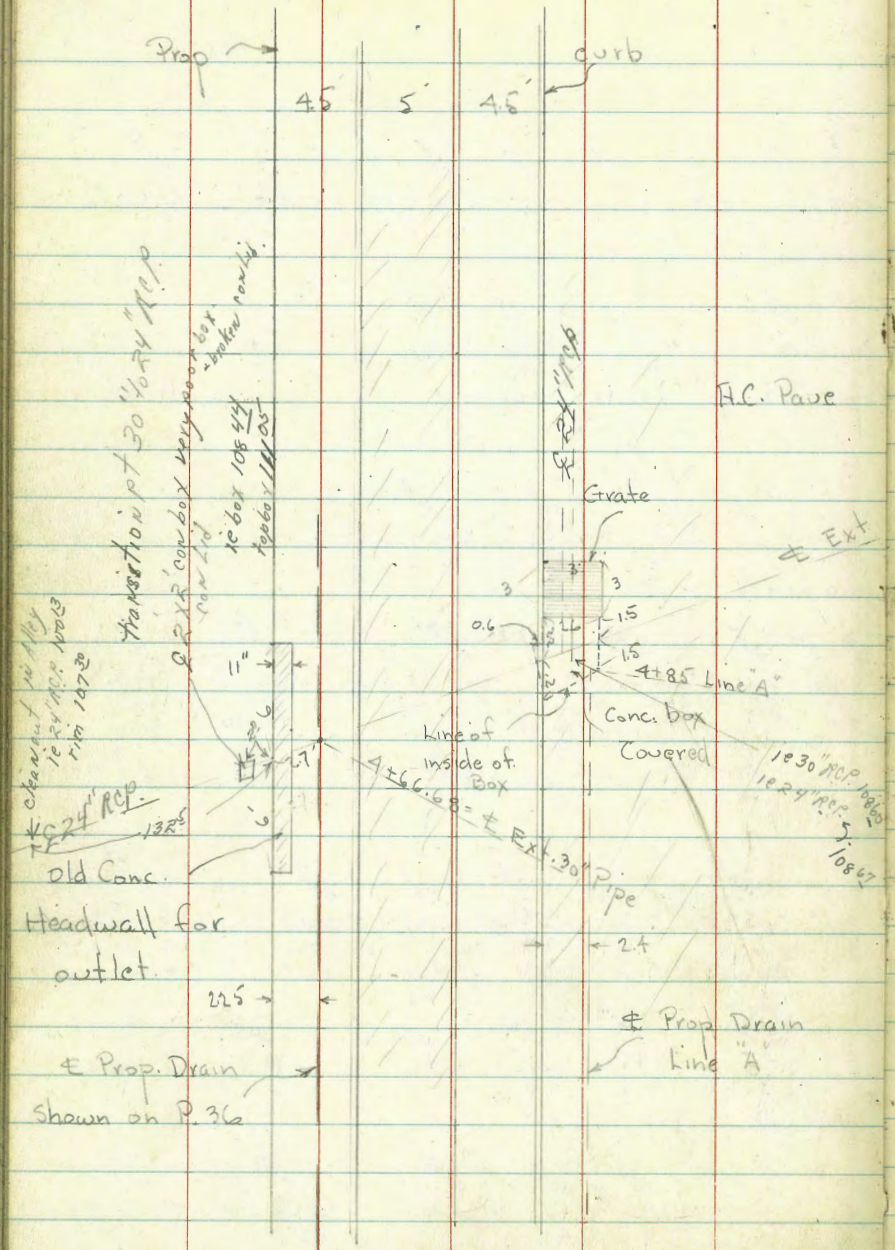
4+50

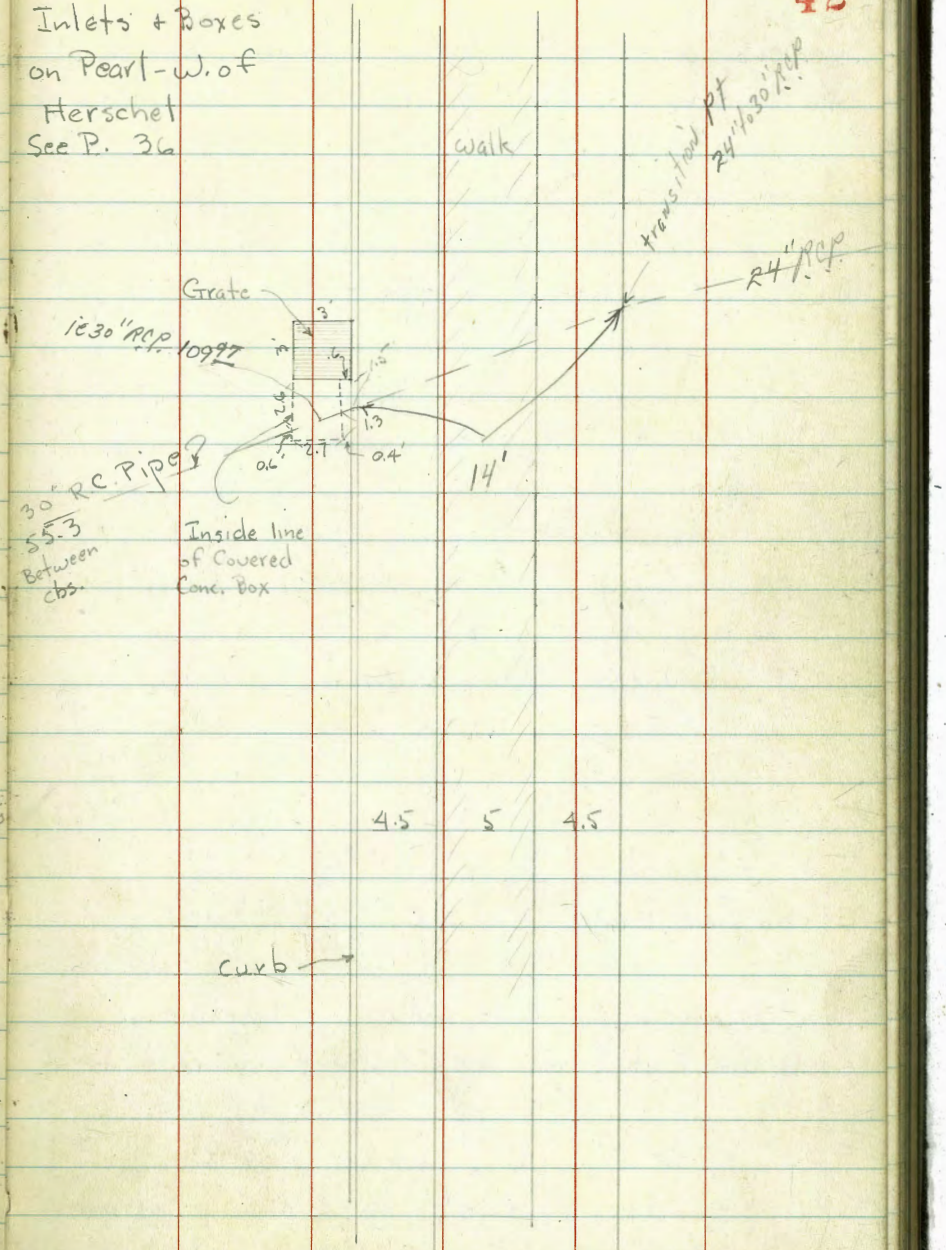
4+24.38 = E.C.

	Lt.			℄			Rt.	
	114.99	115.55	114.77	109.87	113.85	114.85	115.65 ✓	114.94 ✓	115.57	114.97
	3.96	3.40	4.23	8.98	5.10	4.10	3.30	4.01	3.58	3.98
	10	10	4.5	Flow		1.5	Top	gut	10 along Top cb.	10
	gut	Top cb.	Cor. grate	line of Box	Lower edge of opening	Cor. grate				gut.
		115.20		115.21	113.07		115.17		115.15	
		3.75		3.94	3.88		3.78		3.80	
		10		8.6	26				10	
		on pave 3' out.		Cor. grate	Cor. grate				pave - 3' out from cb	
		113.95		113.67	113.68		113.84			
		5.00		5.28	5.27		5.11			
		10		4.5	1.5 = edge grate					
		3' out from cb.		Cor. grate						
	113.79	114.38 ✓	113.44	112.43	113.51	114.30 ✓	113.70 ✓	114.05	113.55
	5.16	4.65	5.51	6.52	5.44	4.65	5.25	4.90	5.40
	10	10	5.2	2.2	2.2 E	Top	gut.	10 W. along cb.	10' W
	gut. Top	Corrugrate		Lower edge of opening	Cor. grate at cb			Top cb	gut.
					118.95 ✓				
	114.00		114.29	113.71		113.81	108.51		114.72
	2.53		2.24	2.82		2.72	8.02		1.81
	6.9		2.4	24		Top	F.L. Box		10
	edge walk		Top	gut		Pave over Box			
	114.18		114.17 ✓	115.58		113.73		114.54	
	2.35		2.41	2.95		2.80		1.99	
	6.9		2.4	24				10	
	edge walk		Top	gut					
		113.91		113.89		113.48		114.27	
		2.62		3.16		3.05		2.26	
		2.4		2.4				10	
		Top cb		gut.					
					116.53 ✓				

Detail of Ext. Inlets + Boxes on Pearl - W. of Herschel

See P. 36





Levels on Prop. Drain - from High to Ends - Sketch - P. 35 F.O. 7-8-47

W.L. High = Outlet of 24" pipe

W. cb. High

2.2 E. of W. cb = outside of Grate

E. cb. Line High

of High St. - ℄ 24" Culvert = Baseline

Levels on Ext. Inlets ℄ 24" Culvert - both sides

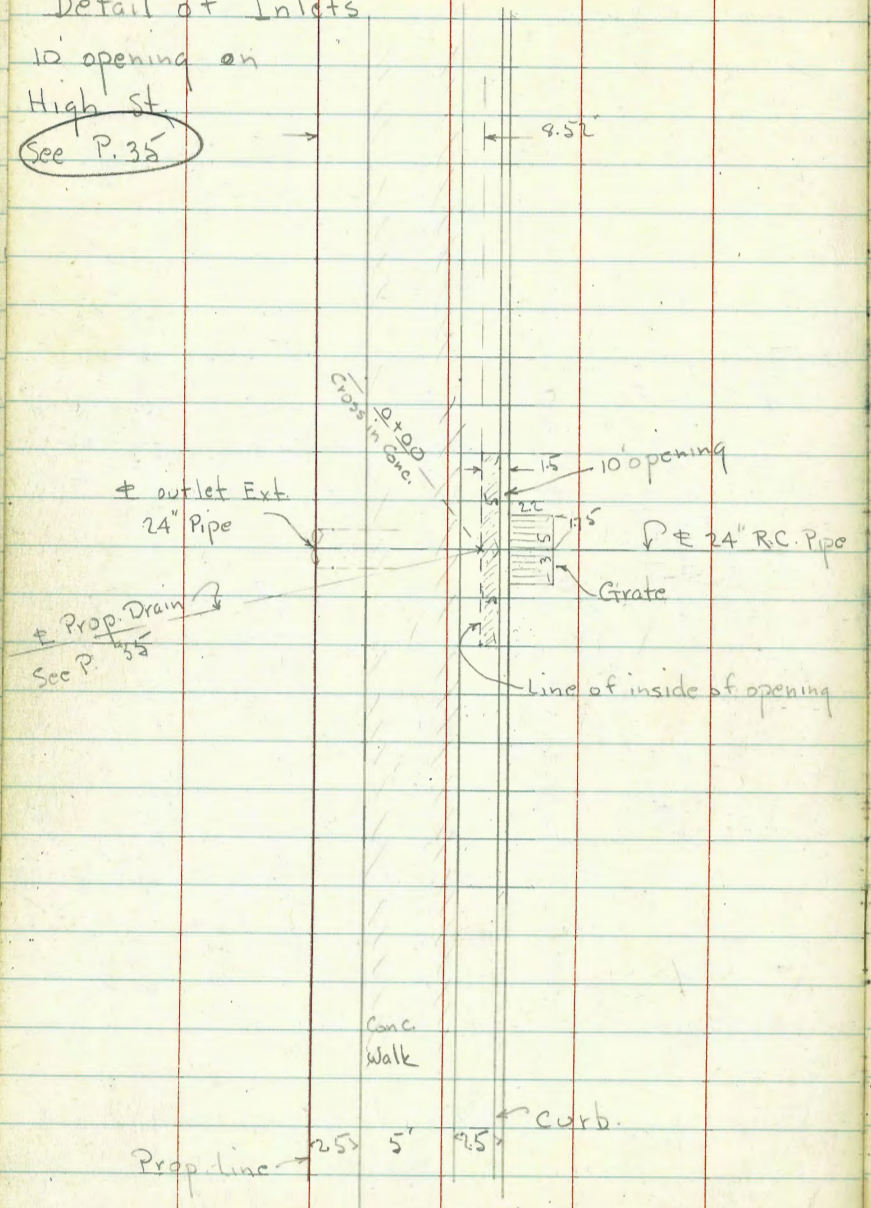
T.P.	10.75	118.87 ✓	10.82	108.12	SE B.P. - Pearl & Girrard
B.M.	3.77	118.94 ✓		115.17 ✓	

Lt	℄	Rt
	9.09 (109.78) FL. end pipe	
113.58 5.29 5 gut.	114.56 4.32 5 Top cb. end opening	113.57 5.30 1.75 Cor. grate
114.57 4.30 Top cb. & inlet	113.57 5.30 gut. on grate	110.07 8.85 F.L. of box & and cb. line
113.61 5.26 1.75 Cor. grate	114.61 4.26 5 Top	113.68 5.19 5 gut.
113.69 5.18 1.75 Cor. grate	113.68 5.19	113.66 5.21 1.75 = Cor. Grate
114.57 4.30 5 gut.	115.57 3.30 5 Top cb.	115.58 3.29 Top cb. & inlet
114.56 4.31 gut. & inlet on grate	114.26 7.61 F.L. Box at & cb. Line	115.60 3.27 5 Top cb. end of opening
114.67 4.23 5 gut.		

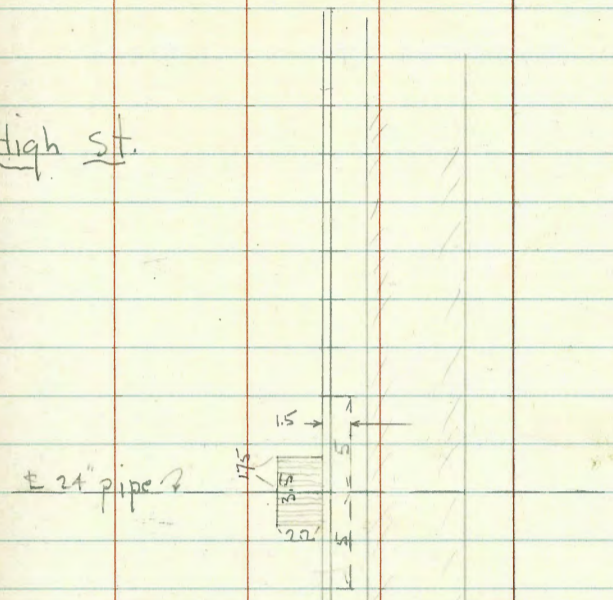
118.87 ✓

Detail of Inlets

10' opening on High St.
See P. 35



High St.



Beg.
0+54 - 9' Rt. = ℄ Row of Trees - about 8' apart

0+50

0+30

0+26.08 = Ang. 12°25' Rt. - outs on split

℄ 0+09

0+06.2 = W. side walk

0+01.1 = E. side 5' walk

0+00 = Cross = ℄ Inlet & Wly. inside edge of Box

Beg. Levels on Prop Drain from High

℄

Lt. = S. Rt = N.

	111.3 7.6 10	114.3 4.6		115.1 3.8 10
114.5 4.4 17	110.3 8.6 7 ℄ Ditch	113.7 5.2	115.2 3.3 5	115.6 3.3 10
113.2 5.7 10	110.4 8.5 2 ℄ Ditch	111.8 7.09 on Hub	115.7 3.2 7	115.4 3.5 10
114.4 4.5 10	114.2 4.7 2	110.7 8.2 in Ditch	115.6 3.3 6	115.4 3.5 10
114.38 4.49 5 along edge		114.49 4.38		114.56 4.31 5 along edge
114.47 4.40 5 along Edge		114.56 4.31		114.57 4.30 5 along edge
		114.44 4.43 on cross		110.07 8.85 F.L. Box

118.87 ✓ - P.43

2+40 - 6' Rt. - end Gar.

2+24 - 6' Rt. = End fence + Beg. Sing. Gar. - Dir+floor

2+10

2+01 - 6' Rt. = Beg. Board fence

1+80

1+58

1+51 - 6' Lt. = Deadman for Guy

1+47 = edge graded alley

1+35 = edge of graded alley

1+27 - 7.8 Rt. = end ± Row of Trees

1+25

T.P.	5.74	113.86	10.75	108.12

1+00

0+70

Lt.	℄	Rt
8.9 / 10 (105.0)	9.0 (104.9)	9.2 / 6 (104.7)
8.3 / 10 (105.6)	8.5 (105.4)	8.2 / 10 (105.7)
6.7 / 10 (107.2)	6.1 (107.8)	5.6 / 10 (108.3)
4.9 / 10 (109.0)	4.7 (109.2)	4.5 / 10 (109.4)
4.4 / 10 (108.5)	4.4 (109.5)	4.2 / 10 (109.7)
2.5 / 10 (111.4)	2.6 (111.3)	3.7 / 2 (110.2)
		2.2 / 7 (111.7)
		2.3 / 10 (111.6)
	113.86 ✓	
8.4 / 10 (110.5)	7.8 (111.1)	6.8 / 10 (112.1)
7.3 / 10 (111.6)	6.7 (112.2)	4.8 / 10 (114.1)
	118.87 ✓	

3+34.3 = E. edge walk

3+32 - 3.1 Lt. = ℄ Pipole # 75 78

3+31.8 = W. cb.

3+12 = ℄ st.

2+91 = E. cb. Herschel

2+88.5 = W. edge of walk

2+83.4 = E. side of walk

2+80.89 = Eng. 10° 26' Rt. = Hub. = E.L Herschel St.

2+45

2+43 - 5.2 Rt. = Beg. Row of shrubs.

	℄	Lt.	Rt.
		103.95 9.91 10	103.60 10.26	103.29 10.57 10
		103.23 10.63 10 gut in Drive	103.61 10.25 Top	103.94 10.92 gut.	103.33 10.53 10 Top	103.23 11.13 10 gut
		104.44 9.42 10	104.14 9.72	103.91 9.95 10
		104.52 9.34 10 gut.	105.10 8.76 10 Top	104.82 9.04 Top	104.33 9.53 gut	104.62 9.24 7 Top	104.11 9.75 7 gut
		105.17 8.74 10	104.81 9.05	104.60 9.26 10
		105.26 8.60 10 along walk	104.89 8.87	104.79 9.07 10 = along edge of walk
		105.2 8.7 10 along E.L.	104.63 9.23 on Hub.	104.8 9.1 10 along E.L.
		105.3 8.6 10	105.0 8.9	104.9 9.0 10
			113.86 ✓	

4+73 - 5.2 Lt. = ℄ P. pole # P.A. 7580

4+72 - 5.3 Lt. = end fence

4+70

T.P. 4.00 102.78 12.08 101.78

4+58 - 5.6 Lt. = Beg picket fence

4+58 - 5.9 Lt. = Cor. Gar.

4+50

4+46 - 4.5 Lt. = ℄ 16" Euc Tree

4+43 = Cross wire fence

4+31 - 6.1 Lt. = Cor. Doub. Gar., Conc. floor

4+30 - 3.5 Lt. = end wire fence

4+10

3+70

Note: Line is Thru Storage Yard - loose wood piled along ℄

3+49 - 5' Lt. = ℄ Shrub Hedge - 3' wide - ave.

3+41.86 - 3.5 Lt. = Wire fence - E. & W.

3+41.86 = Ang. 10° 26' Lt. = W.L. Herschel = Hub

3+41.8 = Wire fence along W.L.

3+39.4 = W. edge walk

℄

Lt. Rt

1.1 / 5 — 101.7

1.2 — 101.6

1.1 / 10 — 101.7

102.78

12.0 / 6 — 101.9

12.0 — 101.9

12.2 / 10 — 101.7

102.81

11.05 / 6.1 floor gar.

10.8 / 10 — 103.1

10.9 — 103.0

11.4 / 10 — 102.5

10.4 / 10 — 103.5

10.5 — 102.4

10.6 / 10 — 103.3

10.0 / 10 along W.L. — 103.86

9.9 — 104.0

10.4 / 10 along W.L. — 103.5

9.92 / 10 — 103.94

10.17 — 103.69

10.43 / 10 — 103.43

113.86

6+32.62 = Middle of curve - outs Radial

6+14.63 = P.C. 22.5 Rad. Curve

6" Line E+W and ℄ Alley to S.	6.00	96.78	Top rim
6+09 - 8.1 Lt. = ℄ Sewer MH.	9.83	92.95	F.L. Sewer

6+00

5+71.82 = S.L. Virginia Way = edge Conc. pave

5+35

5+00

4+93 = 42 Rt. = Dead man for guy to pole below P.38.

4+76.81 - B.M. on Hub 2.51 100.27 100.28

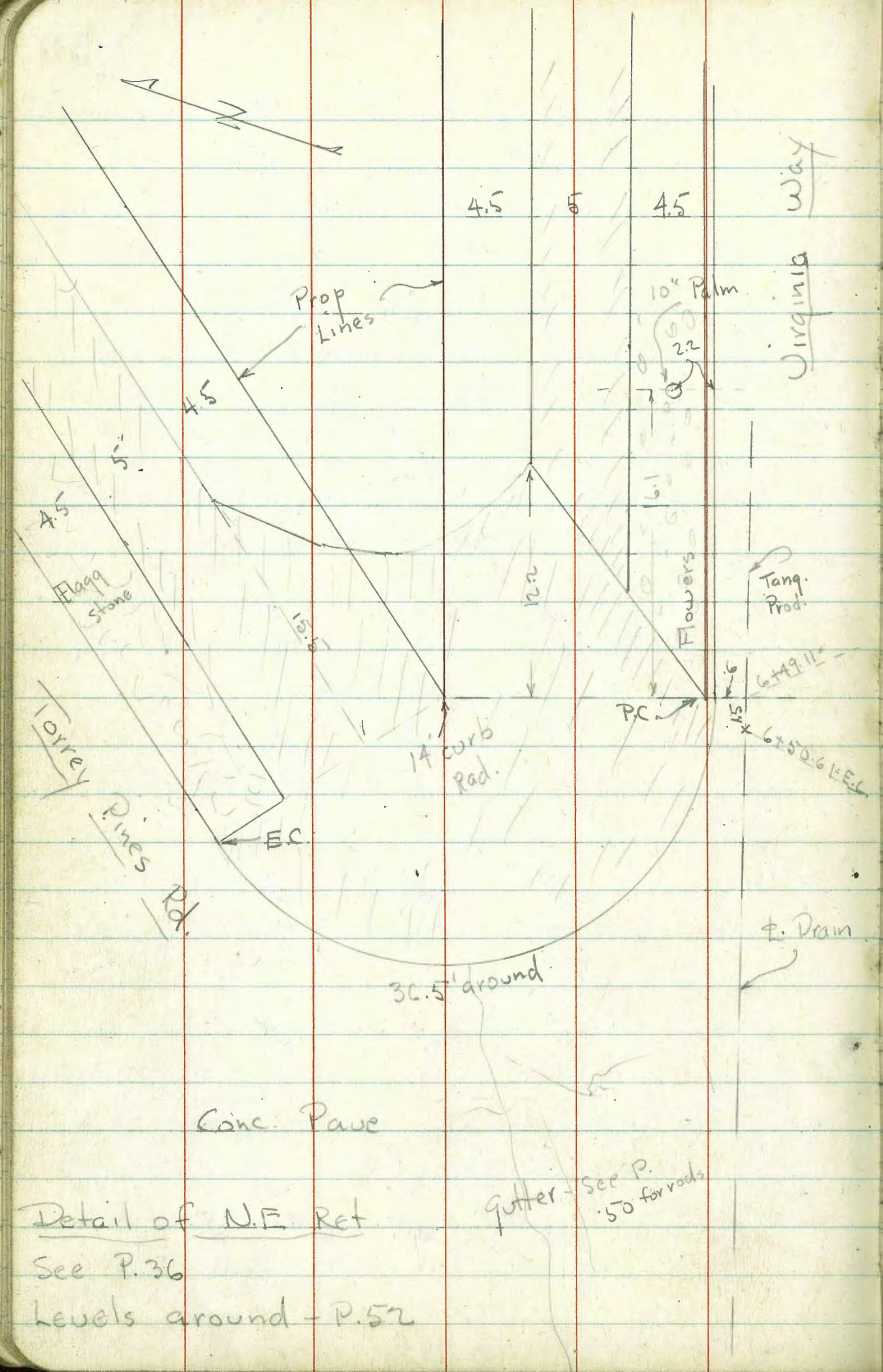
4+76.81 = ℄ cleanout = 0+00 for Line to South 5' E. of ℄ Alley

Lt	℄	Rt
6.48 (96.20) 10	6.70 (96.08)	7.00 (95.78) 10.3 gut; 6.47 (96.31) 10.3 Top cb
6.21 (96.57) 10	6.03 (96.75)	5.85 (96.93) 10
6.03 (96.75) 10	5.85 (96.93)	5.63 (97.15) 10
6.22 (96.56) 10	6.01 (96.77)	5.91 (96.87) 5' gut; 5.39 (97.39) 5' Top 2' Rad. Ret.
5.74 (97.04) 10	5.76 (97.02) 5'	5.61 (97.17); 5.44 (97.34) 5' gut; 5.10 (97.68) 5' Top end Ret.
3.4 (99.4) 10	3.4 (99.4) 3	3.6 (99.2); 3.9 (98.9) 2 ℄ Ditch; 2.3 (100.5) 6; 1.8 (101.0) 10
2.3 (100.5) 10	2.4 (100.4) 3	2.3 (100.5); 3.3 (99.5) 2 ℄ Ditch; 1.7 (101.1) 6; 1.5 (101.3) 10

100.27
2.51
on Hub.
102.78 ✓

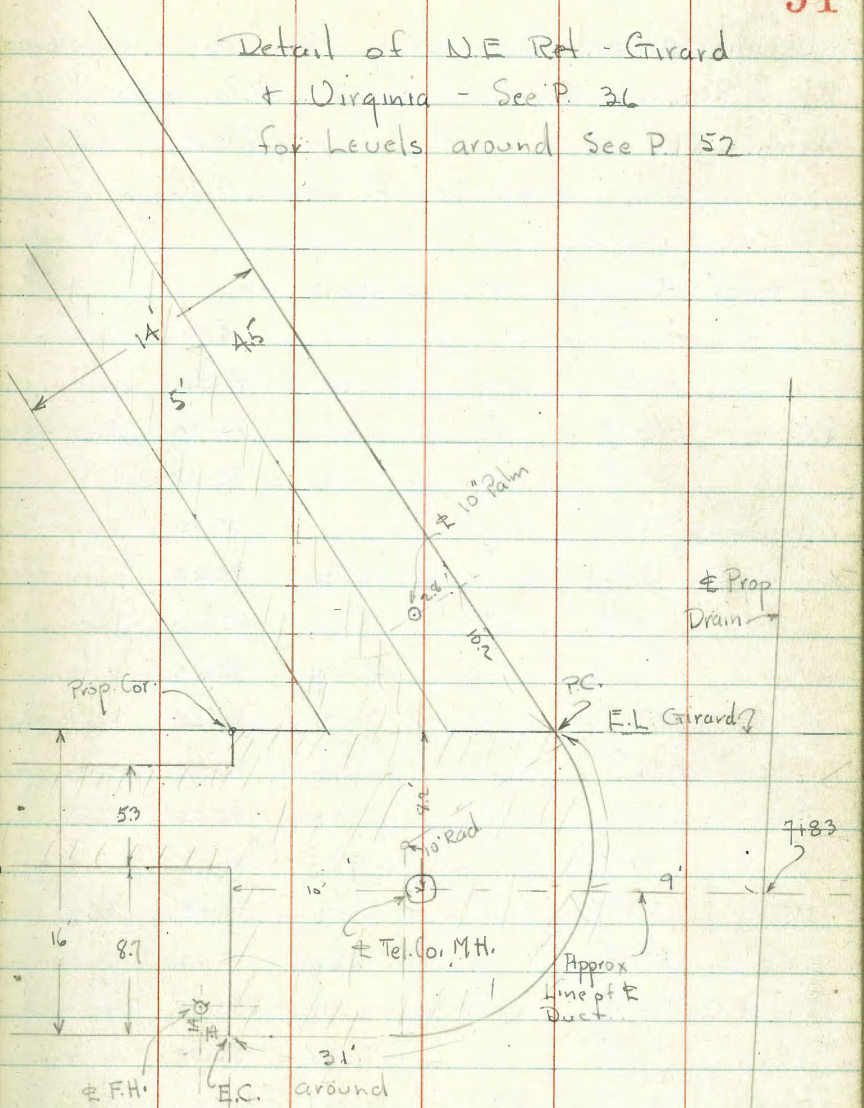
Cont. on P. 54

					Lt.	℄	Rt.
8+10					4.17 (93.80)	4.19 (93.81)	4.13 (93.87)
					10		10
7+90 = ℄ Cross gutter. (N.+S.)					3.80 (94.20)	3.89 (94.11)	3.93 (94.07)
					10		10
7+83 = Approx. ℄ of Tel. Co. Duct. - See sketch - P. 51						3.76 (94.24)	9.30 (88.70) Top Duct. / 11.04 (86.96) Bottom of Duct
Took elevs. of Top + bot of Duct from MH.							
7+73.12 = E.L. Girard					3.50 (94.50)	3.60 (94.40)	3.73 (94.27)
					10		10
7+50					3.38 (94.62)	3.44 (94.56)	3.66 (94.34)
					10		8 - gut.
7+00					2.64 (95.36)	2.97 (95.03)	3.19 (94.81)
					10		9 = in gut.
6+75					2.29 (95.71)	2.69 (95.31)	3.04 (94.96)
					10		13 = in cross gutter.
T.P.	1.79	98.00	6.57	96.21		98.00	
6+50.61 = E.C.					6.87 (95.91)	7.45 (95.33)	7.44 (95.34) 0.6 gut. / 6.91 (95.87) 0.6 Top Cb.
					10		10
						101.78	



Detail of N.E. Ret
See P. 36
Levels around - P. 52

Detail of N.E. Ret - Girard + Virginia - See P. 36 for Levels around See P. 52



Levels around Ret. - N.E. Virginia Way + Torrey Pines Rd. - Ret. = 36.5 Hround - 6 parts = 6.1 each
Sketch P. 51

102.78 - P. 50

50' E. of P.C. along N cb. Virginia Way			
	5.87	96.91	Top
	6.40	96.38	gut.
P.C.	6.87	95.91	Top
	7.44	95.38	gut.
6.1 W.	7.03	95.75	Top
	7.53	95.25	gut.
"	7.15	95.63	Top
	7.67	95.11	gut.
"	7.23	95.55	Top
	7.74	95.04	gut.
"	7.23	95.55	Top
	7.75	95.03	gut.
"	7.14	95.64	Top
	7.56	95.22	gut.
6.1 = EC.	6.94	95.82	Top
	7.40	95.38	gut.
15' Nly along sly. cb. Torrey Pines Rd. (from EC.)	6.27	96.51	Top
	6.78	96.00	gut.

Levels around Ret - N.E. - Girard + Virginia Way
31' around - from Prop. Line to Prop Line - 5 parts 6.2 each - See sketch P. 51

98.00 - P. 50

50' N.E. of P.C. along Nwly. cb of Torrey Pines Rd.			
	2.66	95.34	Top
	3.26	94.74	gut.
	3.18	94.82	5' out.
25' N.E.	2.98	95.02	Top
	3.55	94.45	gut.
	3.47	94.53	5' out.
P.C. = E.L. Girard	3.19	94.81	Top
	3.72	94.28	gut.
	3.67	94.33	5' out.
6.2 W.	3.13	94.87	Top
	3.78	94.22	gut.
5 outs on Radial Line	3.75	94.25	5' out.
6.2'	3.19	94.81	Top
	3.83	94.17	gut.
	3.93	94.07	5' out.
6.2'	3.16	94.84	Top
	3.82	94.18	gut.
	3.88	94.12	5' out.
6.2'	3.09	94.91	Top
	3.86	94.14	gut.
	3.83	94.17	5' out.

Note: not P.C. of 10' Rad.

9+00

E.C = opp. prop Cor.	3.20	92.80	Top
	3.88	92.12	gut
25' N. of EC along E. cb. Girard	2.89	95.11	Top
	3.51	92.89	gut
50' N = end.	2.39	95.61	Top
	3.03	92.97	gut.

8+00

Flow line of M.H.^{S} To est. 6" Sewer elev at Crossing of ℄ Prop. Drain - See P. 36

7+70.67 = ℄ ⊥ ℄ 6" Sewer along ℄ Torrey Pines Rd.

166.28 N.E. = ℄ M.H. in ℄ Torrey pines Rd.

Flow line MH.	5.05	92.95
Top Rim	+0.49	98.89

8+30.4 = ℄ ⊥ ℄ 6" Sewer along Girard

232' N. = ℄ M.H. in Girard - 29.8 from W. cb.

Flow line MH	4.29	93.71
Top Rim	+1.06	99.06

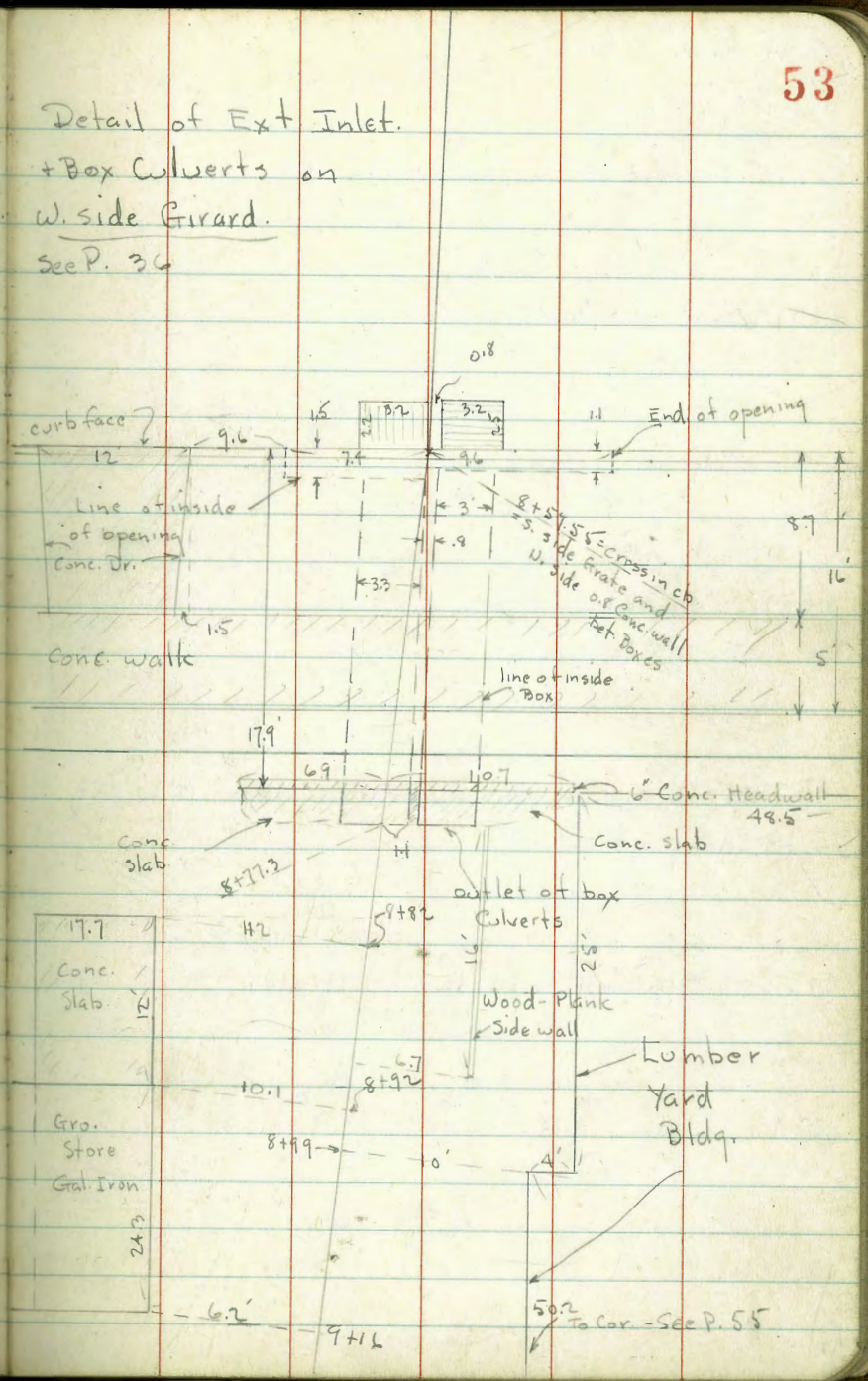
32.7 S. = ℄ MH in Girard ⊥ on ℄ Virginia Way prod.

also 67.8' S.W. from 7+70.67 - 8" Line to S. Hakes sewer

Flow line	9.98	88.02
Top Rim	4.26	93.78

Detail of Ext. Inlet + Box Culverts on W. side Girard.

See P. 36



Cont. from P. 50

	Lt.	℄	Rt.
8+75.5 = face of 6" Conc. Headwall	93.52 4.48 10.7 Top-end.	93.18 4.82 Top wall	93.77 4.23 6.9 = Top end.
8+71.2 = W. edge walk	93.22 4.78 10	92.99 5.01	92.97 5.03 10
8+66.3 = E. edge walk	93.17 4.83 10	92.89 5.11	92.91 5.09 10
8+57.55 = Cont.	93.30 4.70 50 gut.	93.89 4.11 50 Top	92.74 5.26 25 gut.
	93.36 4.64 25 Top	92.01 5.99 9.6 gut.	93.09 4.91 9.6 = Top cb. end opening
	92.75 5.25 7.4 = Top cb. end opening	91.74 6.26 7.4 gut.	92.07 5.93 25 gut. in Dr.
	93.00 5.00 50 Top	92.25 5.75 50 gut.	
8+57.55 = Cross = W. cb. of Girard - Ang. 7°12'30" Rt. outs along cb.	91.81 6.19 S.W. Cor grate	90.18 7.82 F.L. Box Culvert. on S.	88.91 9.09 F.L. of Box - Lower than Bot. of culvert.
	92.92 5.08 Top cb.	91.70 6.30 gut.	89.97 8.03 F.L. Box + Culvert. on N.
	91.66 6.34 N.W. Cor grate		
8+55 = Elev. of outside of Grates	92.14 5.86 9.6 opp. end of opening	91.86 6.14 S.E. Cor.	91.80 6.20 N.E. Cor. grate
	91.82 6.18 on Conc. Bet. Grates	91.80 6.20 S.E. Cor grate	91.82 6.18 N.E. Cor.
	91.90 6.10 7.4 opp. end opening		
8+45	92.92 5.08 10	92.70 5.30	92.66 5.34 10
8+30	93.57 4.43 10	93.56 4.44	93.61 4.39 10

98.00 ✓

10+03.2 = E.C.

9+86.73 = P.C.

T.P.	8.57	98.63 ✓	7.94	90.06	= P.I. Hub 9+95

9+70

9+66 - 9' Lt. = ℄ 5" Palm

9+48 - 17.5' Lt. = N.W. Cor. Lumber Bldg. (see P. 53)

9+45

9+15

8+93 = end Plank Sidewall

8+92 - 10.1 Rt. = Cor. Slab. + Gro. store = floor elev. same

8+82 - 11.2 Rt. = Cor. Conc. slab for store

8+77.3 = outlet of Box Culverts

℄

Lt.						Rt.
93.0	92.3	89.4	89.6	90.2 ✓	92.9	93.4
5.6	6.3	9.2	9.0	8.4	5.7	6.2
20	16	11	7		6	20
			℄ Ditch			

93.4	92.1	90.0	90.2	92.2	92.6
5.2	6.5	8.6	8.4	6.4	6.0
20	10	7	Ditch	5	20

98.63 ✓

95.3	95 ✓	89.3	90.5	92.1	93.1
4.7	4.8	8.7	7.5	5.9	4.9
20	14	4		5	20
	Top bank	℄ Ditch			

93.0	92.7	89.6	89.4	93.0	93.4
5.0	5.3	8.4	8.6	5.0	4.6
17	10	4		6	15
along Bldg.		in Ditch			

92.6	92.7	89.7	89.5	93.9	93.8
5.4	5.3	8.3	8.1	4.1	4.2
13	8	5		3	7
along Bldg		in Ditch			along Bldg

93.3	92.7	89.9	90.2	94.1	94.2
4.7	5.3	8.1	7.8	3.9	3.8
13	6.7	6		3	10
along bldg	Top=end Planks	in Ditch			along Bldg

94.9
3.81
11.2 = Car. slab

94.35
3.6 ±
10.1 = Car. slab

93.8	93.0	89.85	91.76	92.16	89.57	93.68	93.9	
4.2	5.0	8.15	6.24	5.84	8.43	4.32	4.1	
10.7	5.3	3.5	3.5	Top of N. Box		7	15	
along Bldg	Top Plank	FL S. Box	Top E.S. Box	98.00	FL N. Box	Car. Conc. Slab		

Cont. on P. 58.

11+81.5 - 4.4 Lt. = Inlet of 24" Cor. Iron Culvert
+ ℄ of 5.4' x 9" Conc. Headwall

11+70

T.P.	5.67	91.48 ✓	7.56	85.81	Cross in walk 12+61.70

11+40

T.P.	4.40	93.37 ✓	9.66	88.97

11+27 - 7.3' Lt. = ℄ 5' Palm
11+23 - 6' Rt. = ℄ 17' Dia. Pile of Manure - 5' High
11+16 - 5.5 Rt. = ℄ 4' Palm
11+00 - in Pile of Large stumps

10+55

10+40

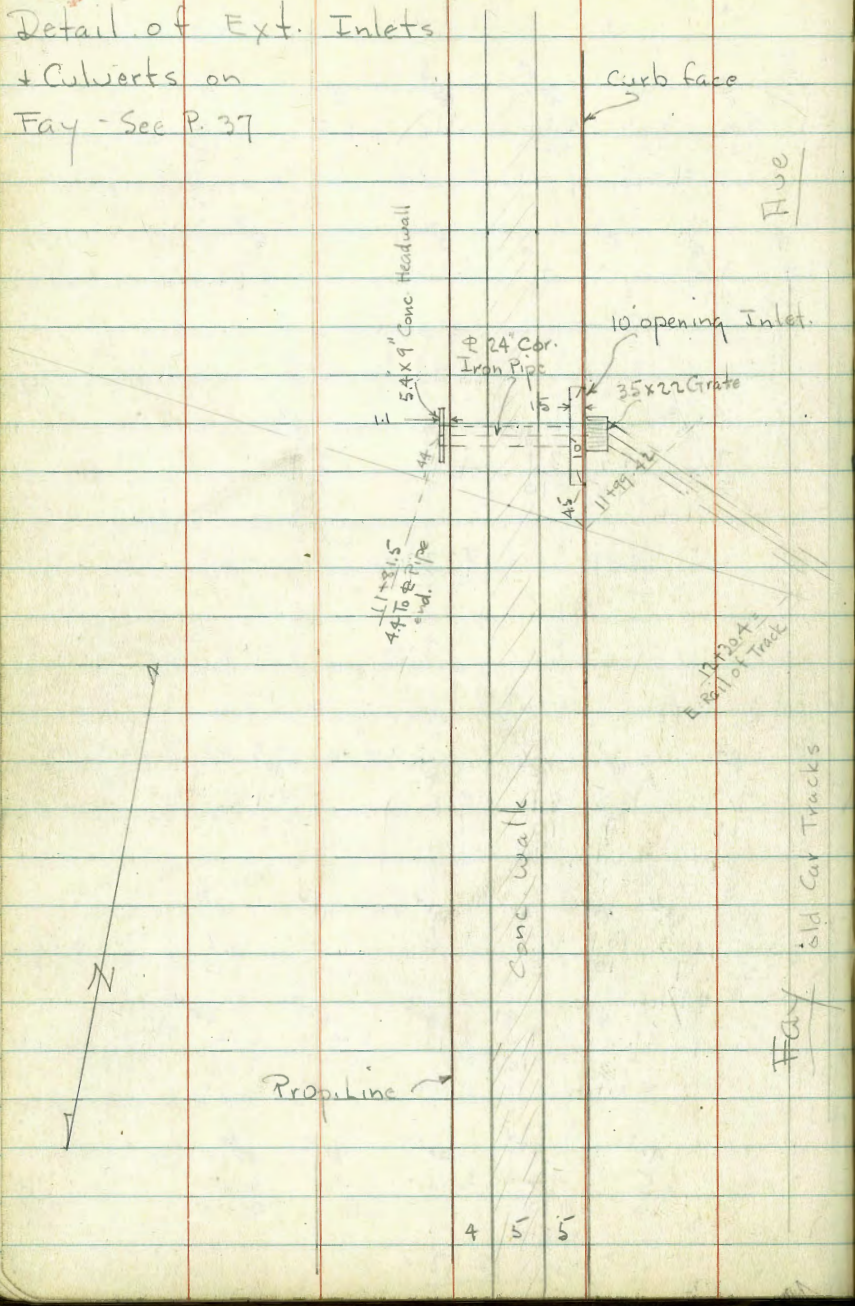
10+36 - 5.5 Rt. = P. pole ⌀ P.A. 7601

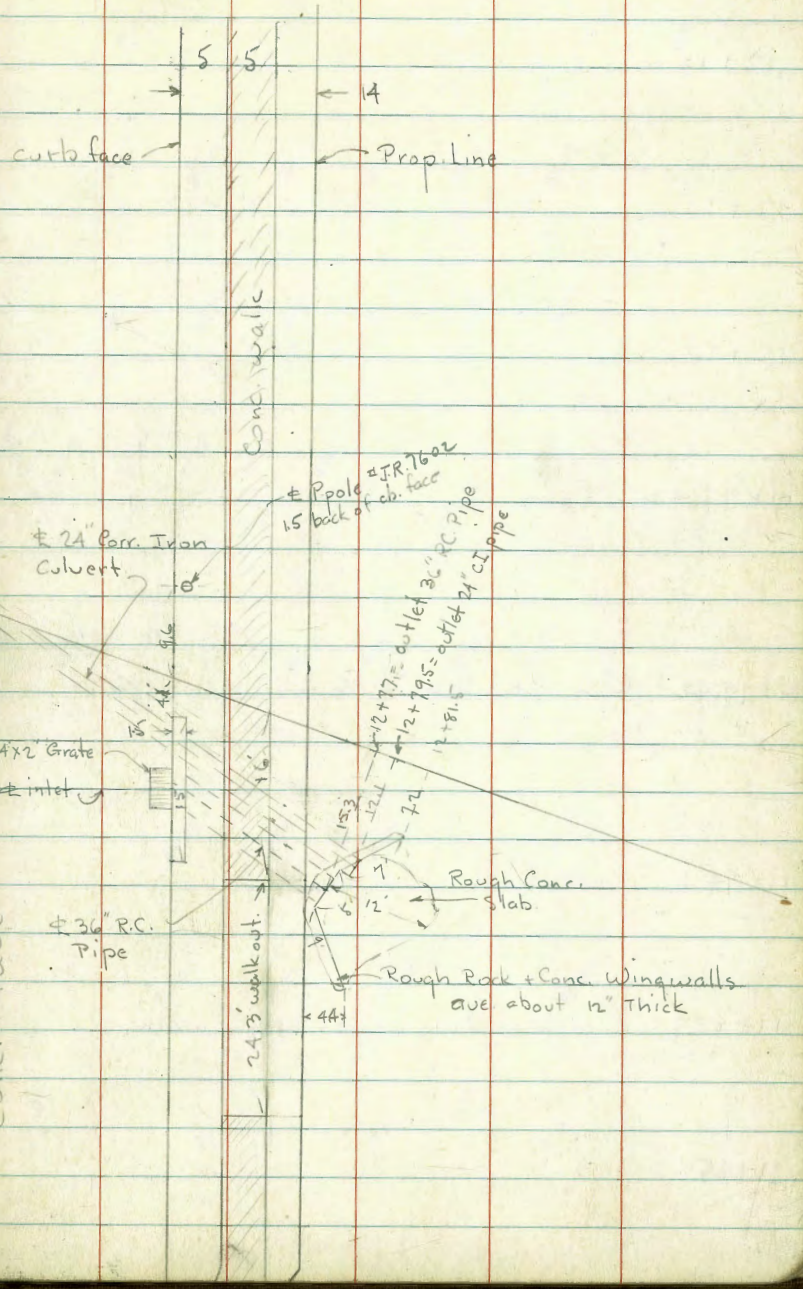
10+25

℄

	Lt.						Rt
	86.4	85.9	83.31	86.24	85.4	88.2	88.3
	5.1	5.6	8.17	5.24	6.1	3.3	3.2
	20	10	4.4	4.4		2	15
			FL. 24" pipe Top wall				
	88.1	87.9	83.9	87.2	88.3		88.8
	3.4	3.6	7.6	4.3	3.2		2.7
	20	14	10	4			20
			℄ Ditch				
					91.48 ✓		
	85.8	89.1	89.5	89.3		89.5	
	7.6	4.3	3.9	4.1		3.9	
	25	15	10			20	
	℄ Ditch						
					93.37 ✓		
	89.6	86.1	90.5	90.9		90.5	
	9.0	12.5	8.1	7.7		8.1	
	25	17	10			20	
		℄ Ditch					
	90.0	88.3	88.5	91.3	91.4	91.6	91.8
	8.6	10.3	10.1	7.3	7.2	7.0	6.8
	25	17	10	5		10	20
		℄ Ditch					
		87.0	89.0	90.5	92.0	92.4	
		11.6	9.6	8.1	6.6	6.2	
		20	10		10	20	
		℄ Ditch					
		92.1	89.2	92.0	92.4	92.6	
		6.5	9.4	6.6	6.2	6.0	
		20	10		10	20	
			℄ Ditch				
				98.63 ✓			

Detail of Ext. Inlets & Culverts on Fay - See P. 37





Cont from P. 56

	Lt.				Rt.	
12+48	6.08	5.89	5.76	5.55	5.29	4.66
	25	10		10	25	50
12+30	5.26	5.22	5.25	5.31	5.30	5.05
	50	25	10		10	25
12+10	4.91	5.22	5.49	5.55	5.53	5.46
	50	25	10		10	20

11+99.42 - Cont.

4.36	5.59	5.16	5.90	6.19	5.37
50	25	25	17	14.5	14.5
Top	gut.	Top	gut.	gut.= end opening	Top

11+99.42 = Ecb Fay Ave - outs along cb.

9.33	6.39	5.40	6.27	5.46	5.45	6.03	4.92	5.45	4.29	4.79
9.5	9.5	9.5	4.5	4.5			25	25	50	50
EL. Top grate & box & Inlet		Top cb.	gut.= end opening	Top cb.	Top	gut.	Top	gut.	Top	gut.

11+94.1 = W. edge walk

5.20	5.50	5.39
20	7	

4.93
20

11+88.9 = E. edge of Walk outs along walk

5.08	5.46	5.35
20	5	

4.98
20 = Edge of walk

11+85

5.2	3.7	3.2
10		10

91.48 ✓

13+00

12+88 15' Rt. = ℄ Wly of Conc. floor slab. to inlet

12+79.5 = 12.1 Rt. = ℄ end 24" pipe

12+77 - 15.3 Rt. = ℄ end 36" pipe

12+66 - 9.8 Lt. = Wly edge of 12" Conc. wall - Tree Hedge along S. side Beg.

12+64.7 = W. edge of walk

12+59.5 = E. edge Walk - outs along edge of walk

12+54.5 Cont.

12+54.5 = W. cb Fay - outs along cb

Lt.	℄	Rt.
85.10 4.5 20	85.92 5.56 10.9 Top wall	85.4 7.1 4
85.5 10 0	79.0 12.5 10 ℄ wash	85.2 6.3 24
86.1 5.3 10	86.0 5.5 6	84.0 7.5
85.1 10.8 5	79.68 11.80 15 on slab.	85.3 5.2 27
85.4 5.1	85.5 5.96 10.5 Top wall	80.32 11.26 12.1 F.L. ℄ 24" pipe
79.86 11.62 15 on floor slab.	85.98 5.50 20.5 Top wall	
86.74 4.69 19.4 Top wall	86.1 4.8	85.3 5.2 6
85.54 5.56 12 Top wall	79.84 11.64 15.3 = F.L. ℄ 36" pipe	85.85 5.63 18.8 Top wall
85.0 5.5 25	85.34 4.14 9.8 Top wall	85.74 5.74 20
85.68 5.60	85.91 5.57 5	85.88 5.60 16 = Cor. walk
85.26 5.73 20	85.76 5.72	85.77 5.71 6
85.80 5.68 17.5 = Cor. walk	85.84 10.64 11.6 F.L. Box	85.77 5.76 19.1 Top
85.85 6.63 19.1 gut. = End opening	6.19 23 gut	85.39 5.35 50 Top
86.13 5.85 50 gut.	85.57 5.91 50 gut	85.91 5.56 50 Top
86.37 6.11 25 gut.	85.80 5.68 25 Top	86.19 6.29 10 gut.
85.35 5.73 10 Top	85.76 5.73 Top	86.05 6.43 gut.
85.78 5.70 4.1 Top	85.80 6.68 4.1 gut. end Opening	85.74 5.74 11.6 Top ℄ inlet
84.76 6.72 11.6 gut.		

91.48

14+19.56 = PC.				
14+15				
14+05				
13+85				
T.P.	4.79	90.47	5.80	85.68
13+65				
13+36 - 8.5'	Lt = end Conc. wall			
13+25				
13+10				

℄

Lt. Rt.

88.0 82.4 75.8 74.7 76.7 84.2 85.5
7.5 8.1 14.7 15.8 13.8 6.3 5.0
20 10 6 12 15 20
wash

83.4 82.1 78.6 74.7 76.4 82.2 85.3
7.1 8.4 11.9 15.8 14.1 8.3 5.2
15 6 7 12 15 20
wash

82.2 82.7 78.3 75.5 82.5 85.1
8.2 7.8 15.2 15.0 8.0 5.3
15 9 wash 10 15 25

83.1 81.3 76.1 75.3 82.3 84.9
7.4 9.2 14.4 15.2 8.2 7.6
15 2 wash 9 13 20

90.47 ✓

83.4 83.5 80.1 76.7 76.5 77.4 83.1 84.6
8.1 9.0 11.3 14.8 15.0 14.3 9.3 8.9
15 6 1 - 6 12 15 20
℄ wash

83.56 79.8 78.0 80.8
7.92 11.7 13.5 10.7
8.5 8.5 10
Top wall

84.9 84.53 80.5 78.8 78.3 81.8 84.5
6.6 6.95 11.0 12.7 13.2 9.7 7.0
15 9 9 5 15 20
Top wall ℄ wash

84.6 83.8 78.7
6.9 7.7 12.8
10 8
℄ wash

91.48 ✓

15+15

15+00

14+99 - 8.5' Lt. = ℄ N. side of 2.5'x2.5' Brick incinerator 4' High - On Conc. slab.

14+70

14+63 - 11.3' Lt. = end Conc. slab.

14+55

T.P 2.72 85.53 7.66 82.81

14+45.77 = F.C.

14+38.8 - 10.8 Lt. = Beg. Nly of 7.6' Conc. slab.

14+32.66 = ℄ of Curve

14+31.6 - ℄ 2" Water main along Alley

14+30 = ℄ 2" Gas main along Alley

14+25.6 = ℄ Cross Plank foot bridge - See P. 37

℄

	Lt.				Rt.	
80.4 5.1 15	79.9 5.6 6	74.0 11.5	73.3 12.2 6		78.3 7.2 12	78.0 7.5 20
	80.7 4.8 15	80.5 5.0	74.7 12.8 7 wash	74.7 10.8 15		80.6 4.9 22
80.7 4.76 2.5 Conc slab floor						
	81.3 4.2 15	81.0 4.5 7	73.5 12.0	74.5 11.0 6	81.4 4.1 15	
81.48 4.05 11.3 Cor. Conc. Slab.						
	79.3 6.2 10	74.5 11.0 6	73.3 12.2	73.8 11.7 3	79.6 5.9 5	81.4 4.1 15

85.53

80.4 10.1 10	74.1 16.4 3	73.8 16.7	74.6 15.9 5		83.6 6.9 13	
81.63 8.84 10.8 Cor. slab.						
	82.6 7.9 10	81.5 9.0 3	74.3 16.2	75.1 15.4 6	82.7 7.8 13	83.5 7.0 20
13.20 Top water pipe	78.35 12.12 Top Gas pipe		81.72 8.75 Top Bridge			

90.47

Check Starting B.M.			2.30	115.14 ✓	115.17 ✓
	8.18	117.44 ✓	2.29	109.26	
	11.53	111.55 ✓	0.47	100.02	
	13.06	100.49 ✓	0.88	87.43	
T.P.	12.38	88.31 ✓	9.60	75.93	cross on W. 7' Line Eads

16+62.32 = Outlet of 6.25 x 4' Box Culvert
3.7' of Dirt in bottom

16+43.9 = ℄ Inlet on W. cb. - 15' opening

15+91.4 = ℄ Inlet on E. cb. Eads Ave.
10' opening

15+72.29 = Inlet of 6.25 x 4' Conc. Box Culvert
about 2.5' of Dirt in bottom

15+40

Lt. ℄ Rt.

66.85
18.68
F.L. outlet

75.24 — 10.29 — 2.5 gut.

74.88 — 10.65 — 7.5 gut. on grate

75.66 — 9.67 — 7.5 Top

75.85 — 9.68 — Top

74.87 — 10.66 — gut on grate

67.11 — 8.29 — 7.5 Top — F.L. Culvert

65.89 — 9.64 — 7.5 gut. = end opening

74.90 — 10.63 — 7.5

75.11 — 10.42 — 2.5 gut.

76.57 — 8.96 — 2.0 gut.

76.27 — 9.24 — 5 gut. on grate

77.27 — 8.26 — 5. Top cb.

77.25 — 8.28 — Top

76.27 — 9.26 — gut. on grate

64.95 — 17.58 — F.L. Culvert

77.25 — 8.28 — 5 Top

76.80 — 9.23 — 5 gut. = end opening

76.47 — 9.11 — 2.5 gut.

78.83 — 7.2 — 18

77.0 — 8.5 — 6

77.06 — 14.9 — 3

64.33 — 17.20 — F.L. End

75.23 — 10.30 — Top Box

77.5 — 13.0 — 7

78.1 — 6.8 — 9

78.4 — 7.1 — 15

79.1 — 6.4 — 15

78.3 — 7.2 — 8

73.3 — 12.2

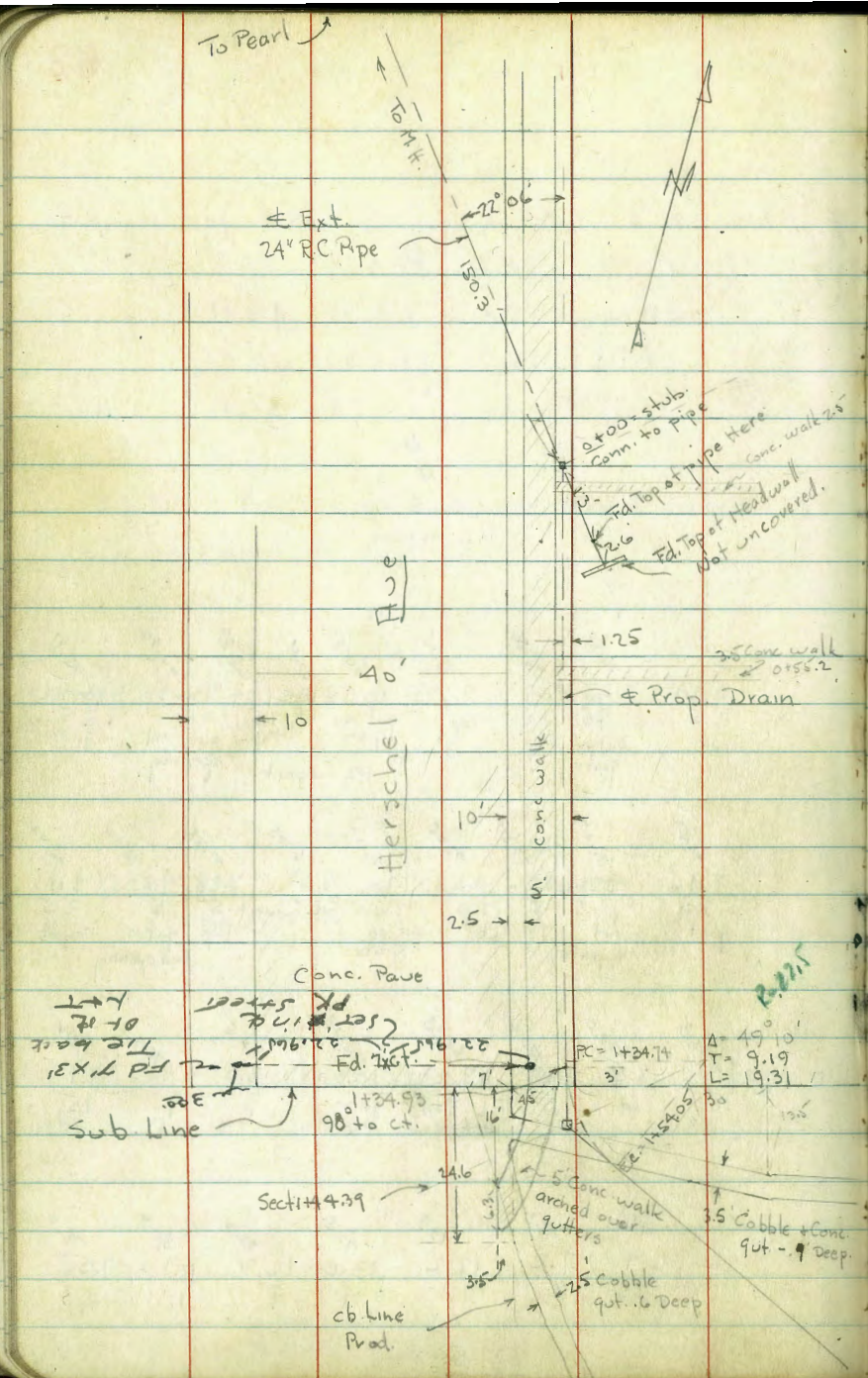
72.5 — 13.0 — 4

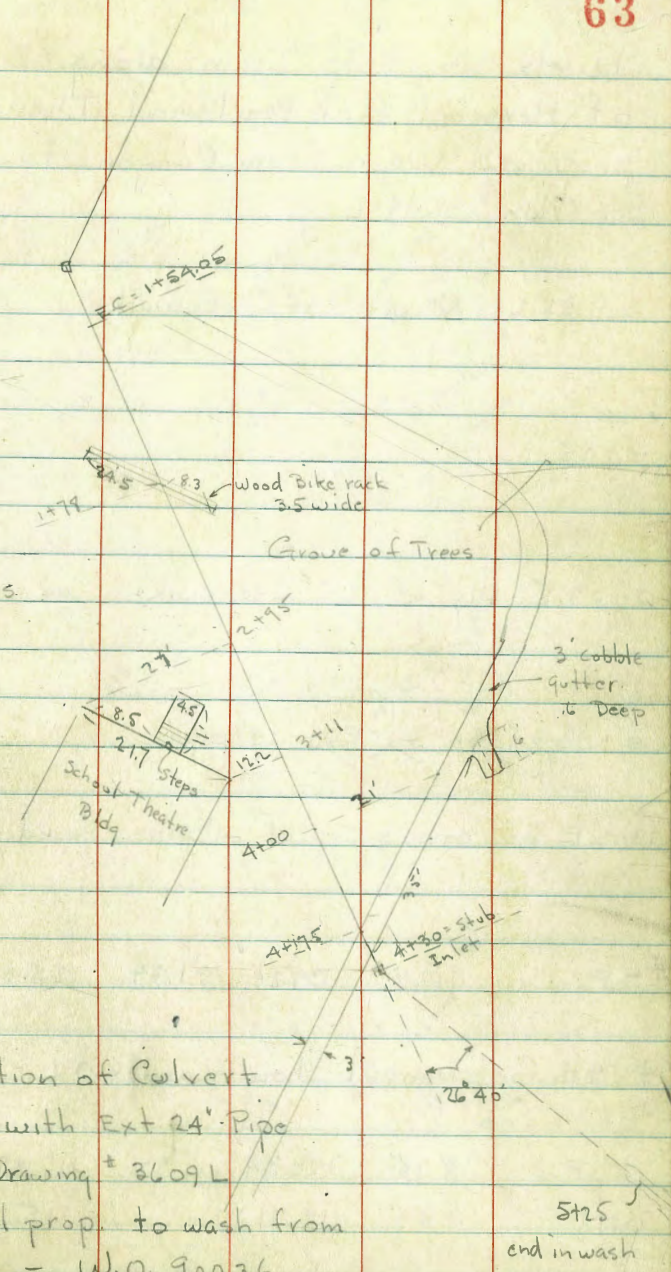
73.4 — 12.3 — 9

80.4 — 5.1 — 11

78.0 — 7.5 — 20

83.53 ✓





Prop. Location of Culvert
from Conn. with Ext 24" Pipe
Shown on Drawing # 3609 L
Thru school prop. to wash from
Canyon. - W.O. 90036
7.0. - 7-16-47

Levels on Prop. Drain along E side of Herschel-S. of Pearl-and Thru school prop. to Wash. from Canyon to E
See Plan # 3609-L

0+55.2 = NLy. of 3.5' Conc. walk

0+25

0+03.5 = Nly. of 2.5 Conc. walk - See sketch

0+00 = Conn. to Ext. 24" pipe

13' S.E. of 0+00 = Top of 24" pipe - found.

T.P.	9.28	134.28	1.84	125.00

℄ M.H. for cleanout shown on 3609-L - 150'.3 NW. of 0+00

T.P.	8.95	126.84	1.82	117.89
B.M.	4.54	119.71		115.17

℄

Lt. - E. Rt. - W.

125.06 124.82 124.75 124.72 124.68
9.22 9.46 9.53 9.60
5 1.25 6.25
on walk walk

123.5 123.2 123.14 123.11 123.08
10.8 11.1 11.14 11.20
5 1.25 6.25
walk

122.25
12.03

122.7 122.32 121.95 121.9 121.84 121.76 121.19
11.6 11.96 12.33 12.44 12.52 13.09
5 1.25 6.25 8.75 8.75
on stub edge of walk Top cb. gut.

120.05
14.23
Top of pipe

134.28

116.72 112.21
10.12 14.63
Top Rim F.L. - 24" pipe

126.84

Lt. ℄ Rt.

1+80

1+78 = ℄ Wood Bike Rack 3' High - fixed. - See sketch

1+54.05 = E.C.

1+44.39 = Mid point of Curve - outs on Radial Line

1+38 - 1.4' Lt. = end fence + End of Improvements
cb - walk - and Conc. pave - outs from Tang.

1+34.74 = P.C.
1+33 - 7.5 Rt. = ℄ F.H.
1+27.5 - 1.4' Lt. = Beg Lath fence

1+14 - NLy. 3.5 Conc. walk

1+00

131.0 3.3 10 | 131.4 2.9 | 131.5 2.8 10

130.8 3.5 10 | 130.25 4.03 4.5 edge gut | 129.33 4.95 2.5 ℄ gut | 130.22 4.06 0.4 edge gut | 130.3 4.0 | 130.7 3.6 10 | 130.98 3.30 18.5 edge gut. | 130.46 3.82 20. ℄ gut

130.7 3.6 5 | 130.5 3.8 | 130.02 4.26 3 edge of gut | 130.43 3.85 4.5 Top 5' walk | 130.40 130.32 3.96 10.8 | 129.34 4.94 13.9 ℄ gut. | 129.87 4.41 15.1 edge gut

129.6 4.7 | 129.58 4.70 1.25 walk | 129.54 129.51 4.77 6.25 | 129.43 4.86 8.75 Top end cb | 128.84 5.44 8.75 gut

129.4 4.9 5 | 129.4 4.9 | 129.42 4.86 11.25 walk | 129.38 129.34 4.94 6.25

128.36 5.92 5 on walk | 128.27 6.01 walk | 128.24 6.04 1.25

127.5 6.8 5 | 127.37 6.9 | 127.4 6.91 1.25 walk | 127.34 127.27 7.01 6.25 | 127.29 6.99 8.75 Top | 126.74 7.54 8.75 gut

134.28

4+00 - 16.2 Rt. = ℄ 8" Euc.
3+97 - 6' Lt. = ℄ 10" Euc.
3+65 - 10.4 Lt. = ℄ 12" Euc.
3+63 - 16.2 Rt. = ℄ 14" Euc.
3+50

3+13 - 9.3 Lt. = ℄ 10" Euc. Tree
3+00
3+11 - 9.3' Rt. = Cor. Wood curb for shrubs along Bldg.
2+98 - 10' Rt. = Cor. Conc. 4.5' Walk - See sketch
2+94 - 8.4 Rt. = ℄ 6" Pepper
2+79 - 10.6 Rt. = ℄ 14" Euc. Tree
2+74 - 6' Rt. = ℄ 6' clump of Bamboo
2+70 - 2.5 Rt. = ℄ 4' dia. clump of Bamboo
I.P 11.19 144.87 0.60 133.68

2+50
2+36 - 7.5 Lt. = ℄ 2" shrub
2+17.5 - 2.3 Rt. = ℄ 1" sq. Iron leg
2+15.5 - 0.3 Lt. = ℄ 1" ang. Iron leg for rack (set in conc.)
2+15 - 10.5 Lt. = ℄ 6" Pine
2+00

Lt. ℄ Rt.

137.8 138.74 139.0 139.2 139.2
7.05 6.13 5.9 5.7 5.7
23 21 10 10
℄ gut. edge Cobble gut.

137.1 137.3 137.6
7.8 7.6 7.3
10 10

135.2 135.33 135.6 136.74 135.6
9.7 9.6 9.3 8.13 9.20
0 10 ¶.3 10
Top wood cb. Top walk

144.87

132.9 133.4 133.8
1.4 0.9 0.5
10 10

131.5 131.7 134.9
2.8 2.6 2.4
10 10

134.28

check Starting B.M.			4.07	115.15	115.17
	3.60	119.22	6.47	115.62	
	0.79	122.09	12.71	121.30	
T.P.	0.32	134.01	11.18	133.69	

5+25 = end. in Req. wash

5+00 = end. in Req. wash

4+65

Profile of ℄ Prop. channel to Conn. Inlet to Req. wash.

4+30 = Prop. inlet ℄ stub. - outs 90° to back Tang.

4+17.5 = Wly. of 3' Cobble gutter.

Notes Reduced. Pg. 35 & 67. 7.18.87

	Lt.		℄		Rt.	
	148.6	149.0	146.9	146.9	149.0	148.5
	+3.7	+4.1	+2.0	+2.0	+4.1	+3.6
	10	3	wash	4	6	10
	146.8	145.9	145.4	146.1	145.4	
	+1.9	+1.0	+0.5	+1.2	+0.5	
	10	2	℄ wash	2	10	
	142.9	143.0		142.7		
	2.0	1.9		2.2		
	10			10		
	140.6	140.23		140.04	139.58	140.16
	4.3	4.64		4.83	5.29	4.71
	10	on stub		9.8 edge of gut.	11.5 ℄	13.3 edge gut.
	139.7	139.43	138.97	139.57	139.8	
	5.2	5.44	5.90	5.30	5.1	
	10	4.3	2.1 ℄ gut.	edge gut	10	

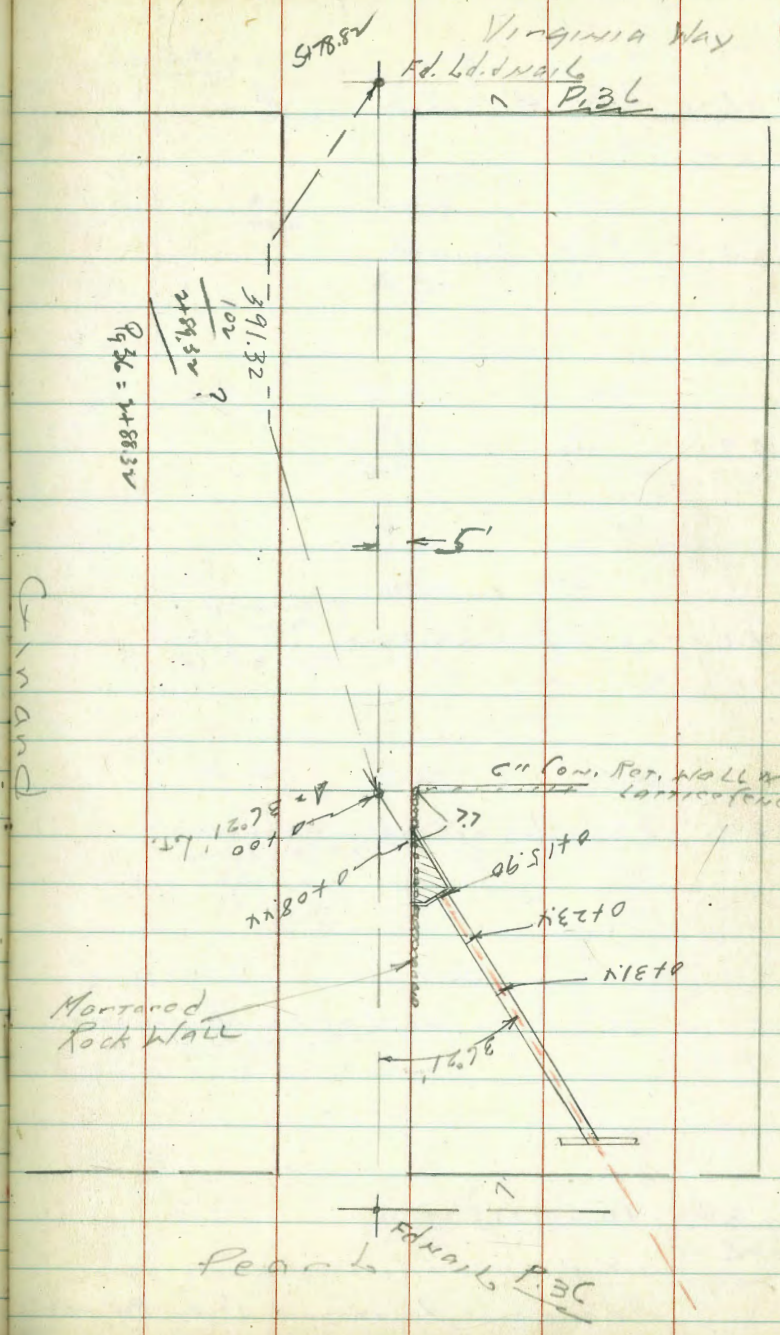
144.87

Proposed drain in
20' alley Betw. Pearl
and Virginia Way and
Girard & Herschel

Moore
Begg
Green
Roberts
11-25-47

W.O. 90036

I staked this some time
in past for a
Private Contractor.

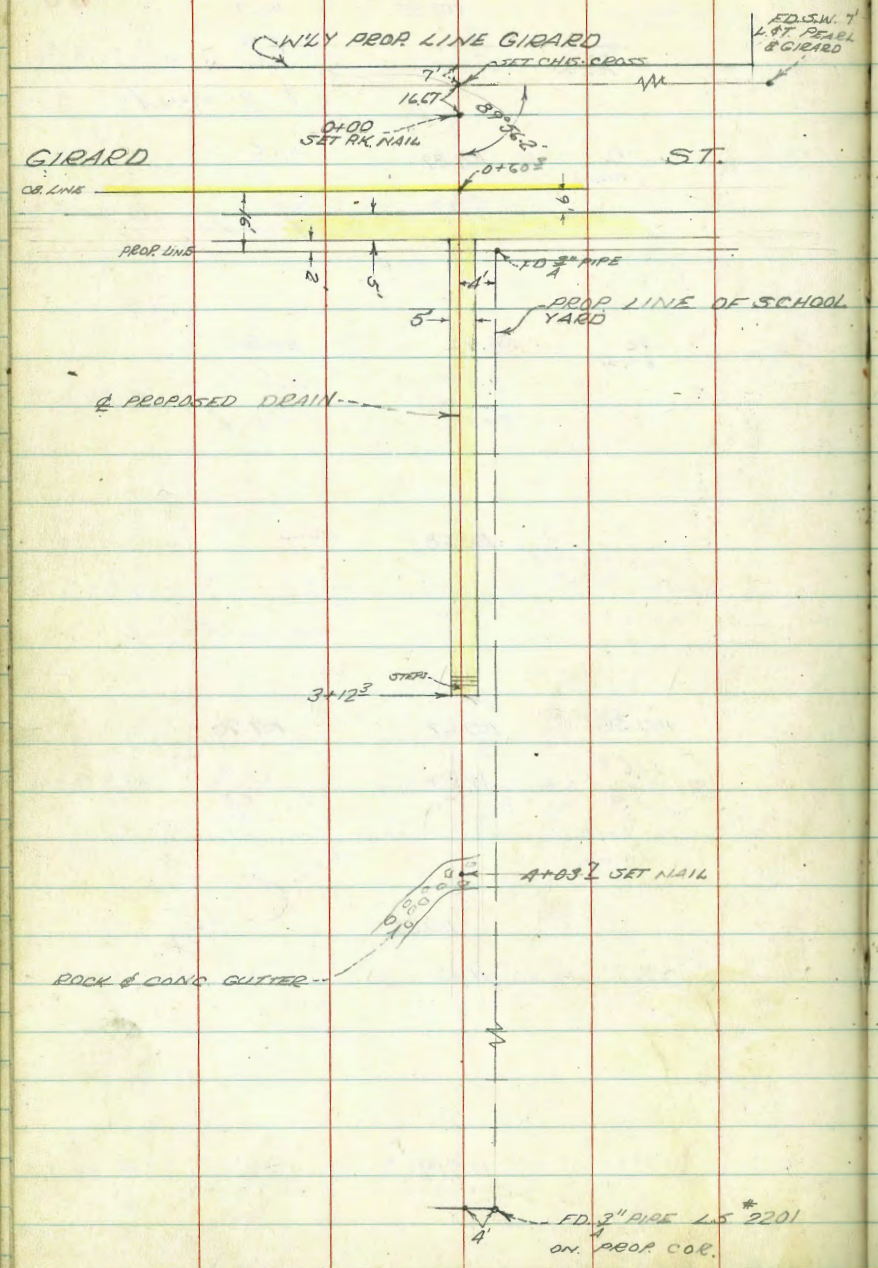


		Lt	℄	Rt
0+31.4	2nd Joint	-2.21 to Flowline FL. 107.74	109.95 9.24	110.7 8.5 9 ground
0+23.4	1st Joint	FL 107.68	109.89 9.30 Top pipe	110.6 8.6 ground
0+15.9		FL 107.71	109.92 9.27 Top	110.6 8.6 ground
0+08.5	Top Con Spillway & Mortared Rock wall on Top of SP		108.68 10.51 Con.	110.2 9.0 Top wall on ℄
0+08.44	Ely Line of alley at outlet of spillway	107.56 11.63 3.4 Con. Invt.	107.67 11.52 Con. F.L. (Invt.)	107.90 11.29 6.5 Con. Invt.
0+00	Δ 36°21' Lt. on ℄ of 3' wide Concave Con. open drain		107.35 11.84	
SEly B.P. Pearl & Girard	4.02 119.19 115.17 this is not the orig. Brass plug, old one was destroyed thru Reconst of Curb		119.19	

SURVEY FOR PROPOSED 30" DRAIN OFF GIRARD ST.

COTA
POWELL
MORALES
7-7-54
W.O. # 32495

INDEXED
JUL 1954



1037.96
4
1041.96
12.14
1029.82

1+27.5 { 3.3 LT. END HEDGE
3.3 LT., 2.5 HIGH FENCE TAPERS TO 6.0 HIGH

1+25.5 2.5 RT. TO COR. OF STEPS TO SCHOOL

1+17, 6.8 RT., 4" DRAIN PIPE FROM ROOF ENTERS GRD.

1+00, 1.85 RT. & 3.15 LT. TO EDGES OF WALK

0+76, { 4.0 LT. BEGIN 2.5 HIGH WOOD FENCE.
3.5 LT. BEGIN 5.0 HIGH HEDGE

0+73.3 LINE CROSSES E'LY EDGE SIDE WALK

0+68.3 LINE CROSSES W'LY EDGE SIDE WALK

0+67.3, 4.3 LT. TO CENTER BELL SYSTEM MAN HOLE

0+62, 8.0 LT. TO CENTER FIRE HYD.

0+60.3 { 6.8 RIGHT TO INVERT 4" DIAM. C.B. OUTLET
E'LY C.B. LINE GIRARD ST.

0+26.33 ℄ GIRARD

0+00

5.59 13.525 H.I. 129.66 ON DISC ℄ GIRARD L.S. 2201
℄ NO. PROP. LIN SCHOOL YARD

LT.	℄	RT.
	130.20 ✓	
	5.05	
	130.28 ✓	
	1.97 SIDEWALK	
	130.29 ✓	
	1.96 EDGE SIDEWALK	
130.03 ✓	127.00 ✓	
5.22	8.25	
4.3 R.M.	4.3 BOTTOM OF BOX	

4% grade

128.19	127.54	129.50	130.08	129.82	131.59	132.19
7.06	7.71	5.75	5.17	5.43	3.66	3.06
5.0	5.0	CUT.	C.B.	6.8	5.0	5.0
C.B.	CUT			INVERT	CUT.	C.B.

℄

129.83
5.42

129.58
5.67

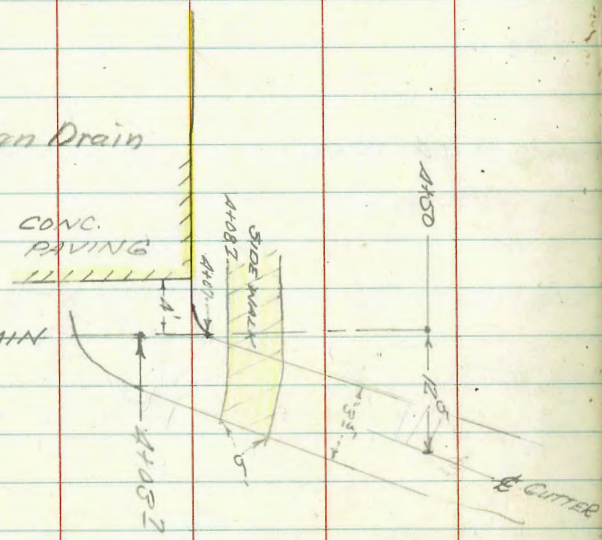
135.25 H.I.

DRAIN OFF GYEARD - CONT'D.

		LT.	℄	RT.
3+37	1½ RT. N.E. COR. 1½ HIGH WOOD SAND BOX. ✓			
3+17	1½ RT. N.W. COR. 1½ HIGH WOOD SAND BOX ✓			
3+16	1 RT. 5½ HIGH METAL FENCE @ RT. ANGLES TO ℄ GOES TO COR. BLDG. ✓			
3+12.3	BEGIN 5½ HIGH METAL FENCE - CONC. BASE END 6½ WIDE STEPS ✓		132.49 ✓ 2.76 ON TOP STEP	
3+09	6½ RT 4" PIPE FROM ROOF ENTERS GRD. ✓			
3+06.8	BEGIN 6½ WIDE STEPS 2½ RT. & 3½ LT. TO EDGES ✓ 3½ HIGH METAL RAILING ON LT. & RT. END SIDE WALK		129.93 ✓ 5.32 ON WALK	
3+00			129.98 ✓ 5.27	
2+65	6½ RT. 4" PIPE ENTERS GRD. ✓			
2+50			129.90 ✓ 5.35	
2+24	6½ RT. 4" PIPE FROM ROOF ENTERS GRD. ✓			
2+05	4½ LT. END 6½ HIGH FENCE ✓			
2+00	1.70 RT. & 3.30 LT. TO EDGES OF WALK		129.93 ✓ 5.32	
1+87.5	6½ LT. 4" DRAIN PIPE FROM ROOF ENTERS GRD. ✓			
1+83	11½ LT. " " " " " " " "			
1+50			129.95 ✓ 5.30	
1+31.5	2½ RT. TO COR. STEPS TO SCHOOL ✓			
	135.25 H.I.		135.25 H.I.	

DRAIN OFF GIRARD - CONT'D.

	LT.	℄	RT.
4+07 3		5.50 129.25	
4+07		6.2 129.05	
4+03 ℄ Open Drain		6.24 129.01	
3+99		2.8 GRD. 132.45	
3+99 ℄ CROSSES 6" WIDE CONC. WALL 3'± HIGH		2.74 GRD. ℄ TOP OF WALL 132.51	
3+90.4 LINE CROSSES 5' HIGH METAL FENCE			
3+89 3" LT. ANGLE IN 5' HIGH METAL FENCE			
3+50		2.9 132.35	
	135.25 H.I.		135.25 H.I.



DRAIN OFF GIRARD - CONT'D

	LT.	℄	RT.
4+50		130.25 5.0	129.80 5.45 12.5 ℄ ROCK GUTTER

Reduced by Hedtke 7-7-54

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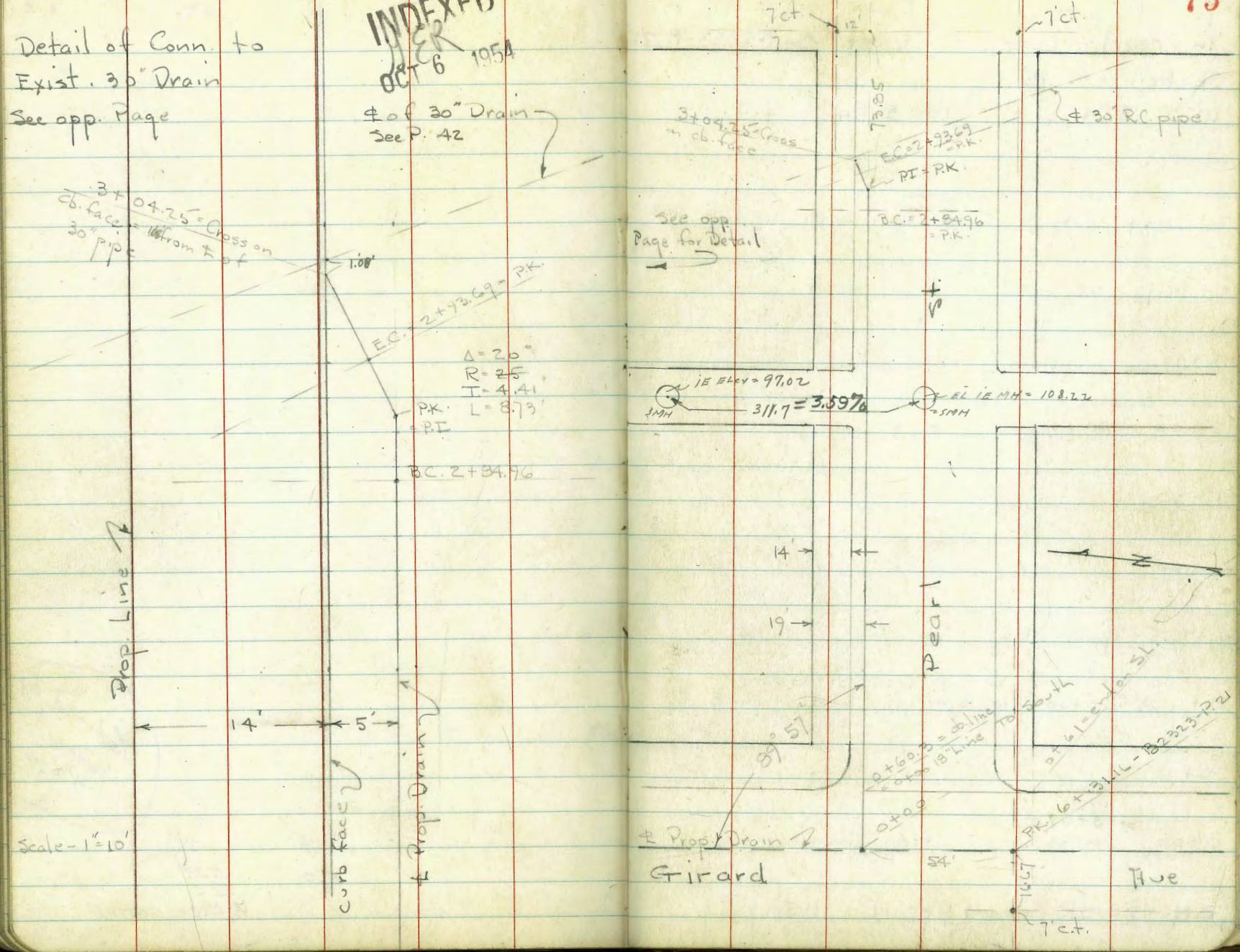
Detail of Conn. to
Exist. 30" Drain
See opp. Page



Begin Levels along ℄ of Prop. Drain in Pearl - Girard - East - See B. 2323 - P. 21
Sketch - P. 75
W.O. 32495 - 10-5-54 - 7.0.

	Lt.	℄	Rt
2+93.69 = E.C. - cuts Radial			
2+84.96 = B.C.	13.92 Top	13.53 3.8 cut	13.88 ✓	14.87 10
2+40	13.82 Top	13.50 5.1 cut	14.03 ✓	15.00 10
2+00			13.83 ✓	
1+50		13.07 5.1 on Conc Dr.	13.47 ✓	14.39 10
1+00			13.17 ✓	
0+76.5 = approx - E.L.	12.75 Top	12.35 5.2 cut	12.88 ✓	13.75 10
0+60.3 = 0+00 - for Line to South - on E. cb. Line of Girard	12.62 Top cb.	12.25 5.2 cut	12.72 ✓	13.44 10
0+35		12.18 10	12.78 ✓	
0+00 = 5+64.68 / 6+85.16 - on ℄ Prop. Drain		12.64 10	12.85 ✓	13.18 10
			12.47 ✓	
B.M. - S.F.B.P. Girard + Pearl 115.17				

Actual Elev. shown - 100' fig. Not Noted

	Lt.	℄		Rt.
15' E.	15.53 10	15.03 gut	15.54 Top	15.65 4.5 = walk
10' E.	15.54 10	15.02 gut	15.54 Top	15.62 4.5
46' E. along cb ± Ely. of grate	14.95 3.5 cor. grate	14.66 Top grate	15.60 Top	
on ℄ 30"	15.54 10	14.98 gut	15.65 Top	15.55 4.5 = walk
10' W.	15.53 10	15.00 gut	15.36 Top	15.43 4.5 = walk
15' West of ℄ 30" - along cb.	15.51 10	15.07 gut	15.36 Top	15.40 4.5 = edge walk
of Pipe & Inlets Curb face - from P. 42 - See P. 41 for old Elev. Beg Levels on South cb. from ℄ of 30" pipe at		? 1	? 1	
30' East of Cross	14.50 4.5 walk	14.43 gut	13.57 Top	14.73 10
10' E. along cb. from 3+04.25 - outs 90° to cb.	14.12 4.5 walk	13.74 gut	14.25 Top	14.70 10
3+04.25 - Cross on cb face - 1.68 from ℄ of 30" Pipe	14.03 4.5 90° to cb. = edge of walk	13.65 ✓ gut	14.25 ✓ Top	14.69 10 = 90° to cb.

Beg. Levels along ℄ of Prop. 18" Drain - on E. cb. Line of Girard - at Pearl

See sketch - P. 75

	Lt.	℄	Rt.
0+71	15.42 Top	14.77 Gut.	
0+61 = ℄ Pearl	15.15 Top	14.40 Gut.	14.51
0+47 = cb. line - Pearl		14.25	14.15
0+21	13.90	13.80	13.66
0+00 = 0+60.3 on 36" Line - See P. 75		12.78	
B.M. - SE BP.		115.17	

D. Smith
J. Rorer
R. Taylor
B. Fish

WO# 32495
10/13/54

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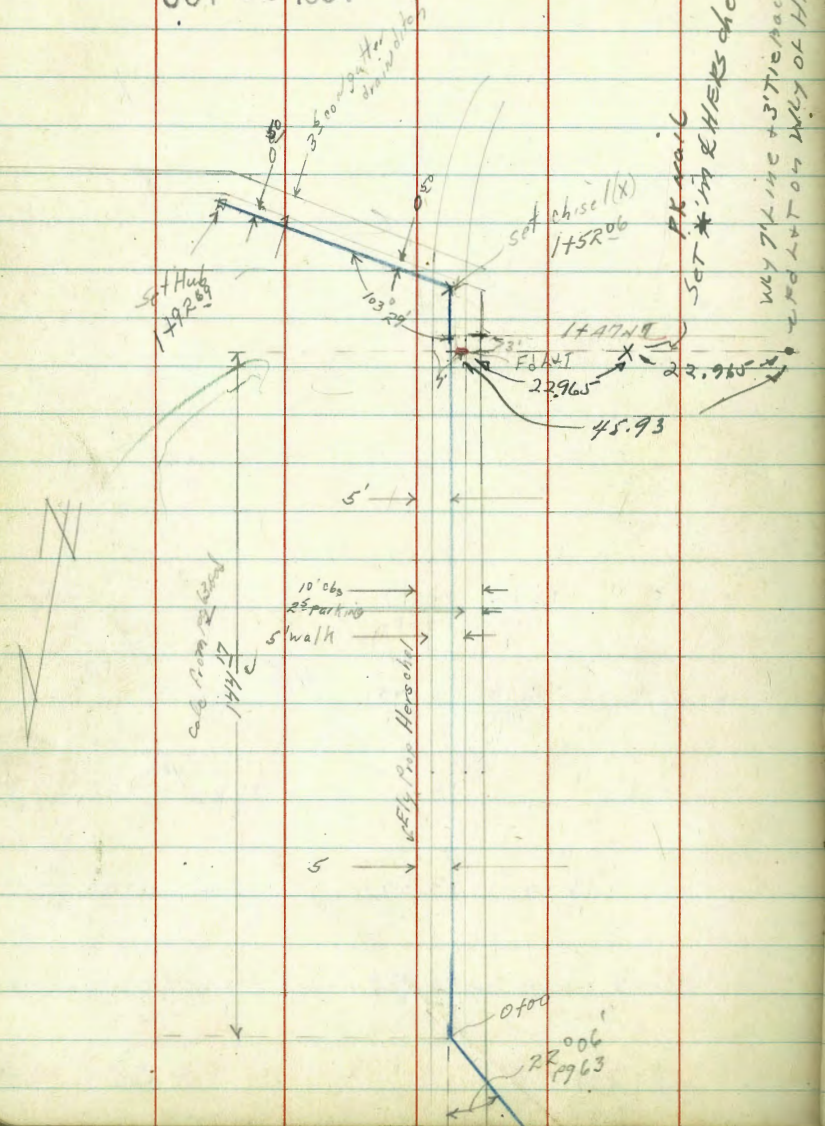

				elevations	
	1+92.69	on Hub end		130.72	
	1+72		3	130.4	
	~~1+52.06~~	~~L.Lt 76° 31'~~	3	130.13	
	1+47 Brk		4	129.49	
	1+25		5	128.20	
	1+00			126.76	
	0+75			125.24	
	0+50			123.79	
	0+25			122.52	
	0+00			121.43	
B.M.				116.22	Rim Cleanout pg 64

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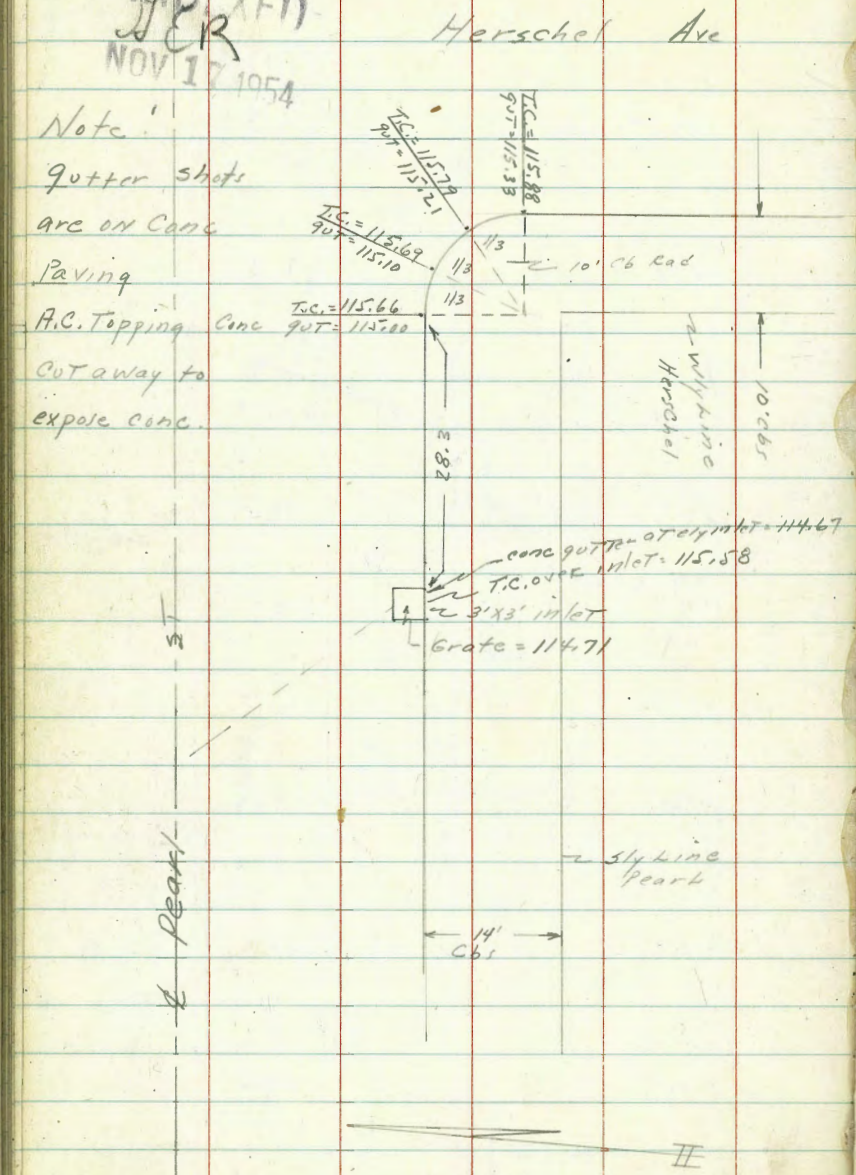

IMPROVED TABLES AND INFORMATION

HORIZONTAL STADIA CORRECTIONS

2°—00′	0.1	21°—00′	12.8	33°—00′	29.7
3°—00′	0.3	21°—30′	13.4	33°—15′	30.1
4°—00′	0.5	22°—00′	14.0	33°—30′	30.5
5°—00′	0.8	22°—30′	14.7	33°—45′	30.9
6°—00′	1.1	23°—00′	15.3	34°—00′	31.3
7°—00′	1.5	23°—30′	15.9	34°—15′	31.7
8°—00′	1.9	24°—00′	16.5	34°—30′	32.1
9°—00′	2.5	24°—30′	17.2	34°—45′	32.5
10°—00′	3.0	25°—00′	17.9	35°—00′	32.9
10°—30′	3.3	25°—30′	18.6	35°—15′	33.3
11°—00′	3.6	26°—00′	19.2	35°—30′	33.7
11°—30′	4.0	26°—30′	19.9	35°—45′	34.1
12°—00′	4.3	27°—00′	20.6	36°—00′	34.6
12°—30′	4.7	27°—30′	21.3	36°—15′	35.0
13°—00′	5.1	28°—00′	22.0	36°—30′	35.4
13°—30′	5.5	28°—30′	22.8	36°—45′	35.8
14°—00′	5.9	29°—00′	23.5	37°—00′	36.2
14°—30′	6.3	29°—30′	24.3	37°—15′	36.6
15°—00′	6.7	30°—00′	25.0	37°—30′	37.1
15°—30′	7.2	30°—15′	25.4	37°—45′	37.5
16°—00′	7.6	30°—30′	25.8	38°—00′	37.9
16°—30′	8.1	30°—45′	26.2	38°—15′	38.3
17°—00′	8.5	31°—00′	26.5	38°—30′	38.7
17°—30′	9.0	31°—15′	26.9	38°—45′	39.1
18°—00′	9.5	31°—30′	27.3	39°—00′	39.6
18°—30′	10.1	31°—45′	27.7	39°—15′	40.0
19°—00′	10.6	32°—00′	28.1	39°—30′	40.5
19°—30′	11.2	32°—15′	28.5		
20°—00′	11.7	32°—30′	28.9		
20°—30′	12.3	32°—45′	29.3		

Chains to Feet	
1	66
2	132
3	198
4	264
5	330
6	396
7	462
8	528
9	594
10	660

Feet to Chains	
100	1.515
200	3.030
300	4.545
400	6.060
500	7.575
600	9.090
700	10.606
800	12.121
900	13.636
1,000	15.151