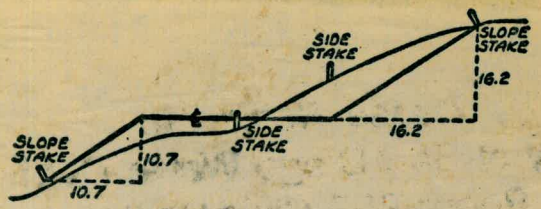


Distances from Side Stakes for Cross-Sectioning

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.

1.0353
25
51860
20704

3 17 52
13.35
330.92

179 59 60
130 44 30
49 15 30

TABLE XIII—CORRECTIONS FOR TANGENTS AND EXTERNALS

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

FOR TANGENTS ADD

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

FOR EXTERNALS ADD

Central Angle	Degree of Curve													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.001	.003	.004	.006	.007	.008	.009	.011	.012	.014	.015	.017	.018	.020
15°	.003	.007	.010	.014	.018	.023	.027	.029	.032	.035	.039	.043	.047	.051
20°	.006	.011	.017	.022	.028	.034	.038	.045	.051	.057	.063	.070	.076	.083
25°	.009	.018	.027	036	.046	.056	.065	.074	.083	.093	.106	120	127	135
30°	.013	.025	.038	.051	.065	.078	.090	.103	.116	.129	.149	.170	.179	.188
35°	.018	.035	.054	.072	.086	.109	.131	.153	.175	.197	.213	.230	.247	.264
40°	.023	.046	.070	.093	.117	.141	.172	.203	.234	.265	.277	.290	.315	.341
45°	.030	.060	.093	.119	.153	.184	.216	.254	.289	.325	.351	.378	.411	.445
50°	.037	.075	.116	.151	.189	.227	.266	.305	.345	.384	.425	.467	.508	.550
55°	.046	.093	.142	.188	.236	.283	.332	.381	.420	.479	.530	.582	.641	.700
60°	.056	.112	.168	.225	.283	.340	.398	.457	.516	.575	.636	.697	.774	.851
65°	.067	.135	.204	.273	.343	.412	.483	.554	.625	.697	.711	.845	.922	1.01
70°	.080	.159	.240	.321	.403	.485	.568	.652	.735	.819	.906	.994	1.08	1.17
75°	.095	.182	.286	.383	.480	.578	.678	.777	.877	.977	1.07	1.18	1 29	1.39
80°	.110	.220	.332	.445	.558	.671	.787	.903	1.02	1.13	1.25	1.38	1.50	1.62
85°	.128	.259	.391	.524	.657	.790	.926	1.06	1.20	1.34	1.47	1.62	1.76	1.91
90°	.149	.299	.450	.603	.756	.910	1.07	1.22	1.38	1.54	1.70	1.87	2.03	2.20
95°	.174	.350	.522	.706	.985	1.06	1.25	1.43	1.62	1.80	1.99	2.18	2.38	2.58
100°	.200	.401	.604	.809	1.01	1.22	1.43	1.64	1.85	2.06	2.28	2.50	2.73	2.96
110°	.268	.536	.806	1.08	1.35	1.63	1.91	2.20	2.48	2.76	3.05	3.35	3.66	3.96
120°	.360	.721	1.08	1.45	1.82	2.19	2.57	2.95	3.33	3.72	4.11	4.50	4.91	5.32

INDEX

MONTGOMERY PIPE LINE & PROFILE

DEC. 13 1956
BEATTY
PAULSEN
OBRIEN

BM.	0.47	112.62		112.15
BM	0.57	H.I. CORRECTED 112.70	0.57	112.05 = 112.13 ✓
BM			4.17	108.53 = 108.53 ✓
BM.			4.24	108.46 = 108.47 ✓
BM	3.76	H.I. CORRECTED 108.85 ✓	7.60	105.10 = 105.09
1+50	(℄ hub)		4.20	104.65
1+56			4.5	104.35
1+61			3.7	105.15
1+70			3.5	105.35
1+80			4.1	104.75
2+00			4.2	104.65
2+41	Edge of road		5.7	103.15
2+45			4.7	104.15
2+50			4.7	104.15
3+00			3.5	105.35
3+50			1.2	107.65
Deck	9.54	117.90	0.49	108.36
4+00			7.0	110.90
4+25			2.6	115.30

BP NE Cor. Val Chamber El Capitan PL

CH13 # NW Cor Murray PL Val Chamber

CH13 # NE Cor Manifold Val Chamber

CH13 # SW Cor " " "

CH13 + W. side center Sperling Mer Chamb
City BM #25

Montgomery P.L. & Profile

12/13/56 — 1/10157 — West Williams Kellhofer

		117.90		
TP Rock	12.87	130.27	0.50	117.40
4+50			11.4	118.27
4+75			5.0	125.27
5+00			0.3	129.97
TP Rock	11.57	141.58	0.26	130.01
5+50			2.9	138.68
5+75			2.6	138.98
5+95.52	X. PT. (on hub)		2.69	138.89
6+00			2.1	139.48
set TBM	9.61	149.50	1.69	139.89
6+50			5.4	144.10
7+00			3.1	146.40
+50			4.6	144.90
8+00			7.3	142.20
	0.49	136.91	13.08	136.42
+50			1.2	135.71
9+00			8.1	128.81
	1.09	125.97	12.07	124.88
+50			5.8	120.17

Nail Nor side P Pole - 375556

7.6 / 20 Lt — +2.8 / 20 Rt

12.6 / 20' Lt — 2.3 / 20' Rt

12.3 / 20 Lt — 4.2 / 20 Rt

10.2
1.3
2.9

		125.97			
9+65		10.4	115.57		
TP	0.25	115.93	10.29	115.68	
9+75		7.9	108.03		
+92		10.0	105.93		
10+15		8.3	107.63		
+25		6.5	109.43		
+35		2.6	113.33		
+50		1.1	114.83		
TP	2.03	116.15	1.81	114.12	
11+00		2.5	113.65		
+50		8.6	107.55		
TP	0.48	106.82	9.81	106.34	
12+00		5.5	101.32		
+15 Δ		7.2	99.62		
+50		9.5	97.32		
13+00		12.3	94.52		
	1.09	95.22	12.69	94.13	
13+50		8.6	edge of Bank 86.62		
+58		9.1	86.12		

11.9 / 5.7 / 0.4

12.1 / 5.7 / 6.4 / 5.5 / 3.9

Drainage

Top of Creek Bank Allied Gardens

℄ of wash

Top W/L Side of Creek Bank

7.8 / 20' Lt

+3.9 / 20' Rt

Turn on 1"x1" Pin(s) 25' Rt 12+15

10.7 / 20' Lt

+0.2 / 20' Rt

26.0 / 20 Lt

18.0 / 10' Lt

5.3 / 20' Rt

11.9 / 3' Lt

4.2 / 10' Rt

Top of Bank

	95.22					
1.18	84.95	11.45	83.77			
14+00		7.2	77.75	7.2 / 20'Lt	3.8 / 8'Rt	0.3 / 10'Rt Bank
+50		8.1	76.85			
15+00		8.4	76.55	8.5 / 20'Lt	8.1 / 13'Rt	Toe of Slope
+50		8.9	76.05			
+56		7.67	77.28	1'Lt to Sly edge 8'Rt to Nly Edge Beam 9'x10' Stone Step 4" Thick		
16+00		9.2	75.75	9.3 / 20'Rt	9.0 / 15'Lt	
+50		10.0	73.95			
10.21	85.80	9.36	75.59	75.59 + 6.12 = 81.71 = 81.72 Turn on ½" Lt		on Fence Line R0'Lt 12+70
17+00		12.1	73.70	12.9 / 39'Lt edge of Creek	14.0 / 49'Lt ℄ Bank	11.6 / 20'Rt
+50		12.0	73.80			
18+00		11.6	74.20	14.0 / 44'Lt ℄ Creek; 13.1 / 39'Lt edge of Creek; 11.3 / 30'Lt		7.1 / 12'Rt
+50		7.3	78.50	11.7 / 14'Lt		5.1 / 5'Rt
12.44	97.76	0.48	85.32			
19+00		9.5	88.26	11.9 / 5'Lt		5.0 / 10'Rt
+50		3.3	94.46			
3.87	101.52	0.11	97.65			
20+00		0.0 33	98.22	10.4 / 20'Lt		+2.7 / 20'Rt
+50		2.4	98.62			

Sta. 21+00 to 31+39± Revised
See pp. 68 & 69, FB 939 rlh

	101.52					
21+00		3.1	98.42	10.1 / 20' Lt	3.3 / 8' Lt	0.3 / 20' Rt
+50		7.3	94.22			
	0.10	89.15	12.47	89.05		
22+00		1.9	87.25	7.5 / 15' Lt	1.6 / 4' Lt	1.8 / 12' Rt; +1.7 / 15' Rt
+35		8.4	80.75	N'ly edge Benched Area		
+45		5.9	83.25			
+50		6.0	83.15			
23+00		9.0	80.15	19' Lt edge of Golf Course; 13.6 / 15' Lt		5.3 / 10' Rt
+50		12.8	76.35	8' Lt edge of Golf Course		
	1.32	77.81	12.66	76.49		
24+00		4.6	73.21	℄ on edge of Golf Course		2.4 / 10' R
		5.2	72.61	Beginning at Green #6		
25+00		4.0	73.81	end " " "		
+50		4.6	73.21			
26+00		4.3	73.51	5.9 / 10' Lt		1.3 / 10' Rt
+50		4.9	72.91			
27+00		5.7	72.11			3.0 / 10' Rt
+50		5.9	71.91			
28+66		6.1	71.71			

Void sta 21+00 to 31+39.50
see pp. 68 & 69 FB 939

	77.81			
28+50		5.9	71.91	
29+00		7.2	70.61	
+50		7.5	70.31	
30+00		7.8	70.01	
+50		7.5	70.31	
31+00		8.4	69.41	
31+31.98	Δ 11.59	80.70	8.70	69.41	Turn ob Hub
+50			9.5	71.20
32+00			2.2	78.50
+50			0.5	80.20
33+00	Δ		0.7	80.00
	0.54	80.85	0.39	80.31
33+50			2.3	78.55
~~34+00~~				
34+00			4.0	76.85
~~34+50~~				
34+50			5.3	75.55
~~35+00~~				
35+00			5.6	75.25
~~35+50~~				
35+50			6.0	~~82.85~~ 74.85 GA
~~36+00~~				
35+74.8			6.30	74.55	Begin conc Driveway of Texaco Sta
~~35+81.3~~				
35+81.3			6.83	74.02	Gutter line edge AC pave Mission Gorge Rd
36+00			6.08	74.77
~~36+50~~				

Field ck'd Beatty 1/17/57

Revised - See p. 61 FB 939 rlh

	80.85		
36+29		5.97	74.88
+57.6		6.35	74.50
+64.63 Δ		6.8	74.05
37+00		6.7	74.15
+46		6.6	74.25
+98		5.8	75.05
+50		6.69	74.16
9.02	83.17	6.70	74.15
2.92	82.36	3.73	79.44
+92		9.60	72.76
+97.5		12.36	70.00
38+00		11.10	71.26
+09			
+50		11.4	70.96
39+00		11.4	70.96
+50		11.8	70.56
6.43	80.58	8.21	74.15
		6.31	74.27 =

℄ Mission Gorge Rd
Wly edge of AC pave

Begin AC berm Twain Ave
Top AC berm
end AC berm
Turn on ℄ nail
State Hwy AC Mon NE Cor Twain + Mission Gorge Rd
Nly edge AC pave
℄ AC Gutter
Top AC Gutter
Barbed wire Fence Xing

37+50
North East Cor Twain + Mission Gorge Rd
74.23? Chis Δ on Hdwall Drain culvert

	2.05	76.20	74.15
39+61			
39+88			
40+00		5.4	70.80
+50		5.5	70.70
41+00		6.0	70.20
+24			
+46			
+50		6.3	69.90
+86			
42+00		6.6	69.60
+50		6.4	69.80
43+00		6.9	69.30
	3.20	73.34	6.06	70.14
+50			3.9	69.44
44+00			3.9	69.44
+50			5.0	68.34
45+00			5.4	67.94
45+50			5.2	68.14

fence Xing

6" Dia Peach or Plum tree on ℄

old Tomato patch

22' Lt to NE Cor of 20'x30' old Barn

Begin 6' High Hog wire chicken pen 83' Lt

end of chicken pen 12' Lt 27' Rt

5.4
1.5 Lt Top of conc Block well on Slab of well

℄ on NE Cor of Old Corn field

	73.34		
46+00		4.4	68.94
3 +06			
3 +14			
4 +28			
+50		4.9	68.44
47+00		5.0	68.34
+50		4.9	68.44
48+00		5.2	68.14
+15			
+27			
4 +50		4.9	68.44
+74.5 ± Δ		5.5	67.84
1 6.57	74.58	5.33	68.01
49+00		6.0	68.58
+50		6.2	68.38
4 50+00		5.8	68.78
+50		6.0	68.58
1 +74		5.74	68.84
4 51+00		5.8	68.78

3' Rt to 3" Dia Apricot Tree

13' Lt to 2" Dia peach Tree

4' Lt to 2" Dia peach Tree

Begin old Garden plot

End of garden plot

old Fence Xing

℄ Drainage Ditch Vandever & River Dale

Hub on ℄ of Vandever & River dale St

Turn on 2"x2" City Eng Hub 15" Rt of Δ.

19↓ CAW 11.2.159

Top Wtr Rim Sewer MH ~~15~~' Rt

West
Williams
Kellhofer

11/21/57

	74.58		
51+50		5.7	68.88
52+00		5.6	68.98
+50		5.6	68.98
+62		4.86	69.72
53+00		5.4	69.18
+50		5.3	69.28
54+00		5.4	69.18
+50		5.2	69.38
55+00		5.2	69.38
+50		4.8	69.78
56+00		4.0	70.58
+43.70 ℄		3.6	70.98
+43.7 TP 6.81	78.13	3.26	71.32
+50		7.2	70.93
57+00		7.5	70.63
+50		7.7	70.43
58+00		7.7	70.43
+50		7.8	70.33
59+00		7.6	70.53

18" RC Conn 11/21/58

Top W.Ly. Rim Sewer MH ~~+5~~ 5' Rt

Top W.Ly. Rim Sewer MH 15' Rt

Dairy Fence 13' Lt + 25' Rt

" " 6' Lt

" " 5½' Lt + 25' Rt

" " 5' Lt + 25' Rt

	78.13			
59+50		7.5±	70.63	
60+00	Revised see pp. 65 & 66 FB 931 rlh	6.9	71.23	Dairy Fence 9.5 Lt + 25' Rt
+35.1		5.7	72.43	
+35.1		5.43	72.70	Top Wly Rim Sewer MH 6.5 Rt
+50		5.70	72.43	17' Lt to Wall
+70				
+95±				15' Lt to Wall
61+00		7.2	70.93	
+50		6.7	71.43	
62+00		5.4	72.73	
+19				15' Lt 22'x17' Corrugated Tin Shed
+50		5.4	72.73	
+74.1				
				Pipe rail Dairy Fence Xing
+82.3				" " " " "
63+00		6.3	71.83	
+50		6.7	71.43	
+50				90° Rt 6" Cone Tile Drain for Dairy
64+00		8.1	70.03	
+42				Wood Rail Fence Xing

	78.13		
120	71.81	7.57	70.61
64+50		2.3	69.51
65+00		3.2	68.61
+50		4.7	67.11
66+00		5.6	66.21
+50		6.3	65.51
67+00		6.8	65.01
+50		8.3	63.51
+70		5.6	66.21
+87		6.3	65.51
+70			
+95		10.7	61.11
68+10		9.3	62.51
+31		11.6	60.21
+40		14.2	57.61
+50		14.3	57.51
+58		14.2	57.61
+81		11.5	60.31
69+00		10.5	61.31

1/11/57

Barbed Wire fence Xing

on Filled Area

" " "

48' Lt end of 6" Cone Tile Dairy Drain

Begin area of Large Broken Cone Blocks

end " " " " " "

on mission Borge Creek

" " " "

Running Parallel to Road

Barbed Wire fence Xing 8° Rt to Wire fence

Wire fence Xing Sly side of Road

	71.81		
+25		10.3	61.51
+50		8.0	63.81
70+00		2.9	68.91
69+30±		7.22	64.59
66+00		1.26	70.55 = 70.42
	11.58	76.17	64.59
70+50		4.6	71.57
70+90		4.0	72.17
71+00		4.2	71.97
71+07			
71+08			
71+12			
+15			
+50		1.9	71.27
+65			
72+00		7.0	69.17
+12			
+50		6.1	70.07

25' Rt to Nly Edge field
Sly edge of Road leading to Admiral Baker

4° Rt + 24'Lt to edge of Oil Pave

Turn on 2" Capped pipe 30' Rt

50± Rt Spike in PP 279740

8' Rt to edge of Road

edge of Road

4' Rt to edge of Road

✓ 2' Lt 12" Dia Cottonwood Tree
Gate Admiral Baker

✓ Barbed wire fence Xing 3' Rt Begin Man
6"x6"x5' post 3' RT
6"x6"x13' GATE POST 6' RT

✓ 1" Ornamental Sapling, with 3'a barricade around it 2' RT.
3"x4" posts
2"x2" Cross pieces painted green

2' Rt 4" Dia Cottonwood

12' Rt edge of Road

6± Rt to ~~1/2 Dia Cottonwood~~ 1" Ornamental sapling, with 3'a barricade

18' Rt to edge of Road

15' Rt to ~~1/2 Dia Cottonwood~~ 1" Ornamental sapling, with barricade

	76.17			1/14/57
73+00		7.0	69.17	
+50	92'	77.52 7.86	68.31	Turn on Cunney
74+00		8.7	68.82	
+50		8.4	69.12	
+71		9.1	68.42	℄ Drainage Channel 12' Rt ½" Dia Cottonwood
75+00		7.1	70.42	
+21				5' Rt ½" Dia Cottonwood
+50		5.1	72.42	
+65				edge of Road 12' Rt Begin parking Area ½" Dia Cottonwood 3' Rt
76+00		5.2	72.32	
+50		5.1	72.42	
77+00		4.8	72.72	
+24				1' Rt parking Area Sign 2 4"x 4" posts
+50		4.8	72.72	Begin Lawn
78+00		4.3	73.22	5' Rt edge DG Road
+50		4.2	73.32	
79+00		4.1	73.42	℄ on edge DG Road
+50		4.1	73.42	
80+00		3.4	74.12	10' Rt edge of Road

West
Williams
Kellhofer

11/14/57

	77.52		
80+50		2.9	74.62
	12.05	87.50 2.07	75.45
81+00		10.3	77.20
+31		7.89	79.61
+50		7.73	79.77
82+00		6.36	81.14
+50		5.38	82.12
+78.5		5.32	82.18
83+00		5.2	82.30
+06		4.9	82.60
+12		2.0	85.50
	12.75	99.91 0.84	86.66
+50		5.7	93.71
+66		5.3	94.11
	12.73	111.43 0.71	98.70
84+00		9.1	92.33
	12.85	123.99 0.29	111.14
+50		8.1	115.89
	12.98	136.83 0.14	123.85

edge of Slab 19' Rt

End of Lawn, Begin 10" Conc Slab Basket ball Courts

15' Rt to edge of Slab

End of Conc Slab

℄ Drainage Ditch

	130.83		
13.15	149.37	0.61	136.22
85+00		1.16	137.87
TP 12.66	160.85	1.18	148.19
+50		2.9	158.95
12.44	172.92	0.87	159.98
12.93	184.73	0.62	171.80
12.54	196.26	1.01	183.72
86+00		10.8	185.46
12.87	209.12	0.01	196.25
12.87	221.44	0.55	208.57
+50		1.3	220.14
13.09	234.50	0.03	221.41
13.09	247.20	0.39	234.11
87+00		0.2	247.00
13.07	259.89	0.38	246.82
13.25	272.97	0.17	259.72
11.71	284.38	0.30	272.67
+50		10.5	273.88
13.31	297.44	0.25	284.13

Turn on 1½ x 1½ Guard 30' RC 85+35 ±

	29744		
13.00	310.42	0.02	297.42
88+00		10.4	300.02
13.30	323.41	0.31	310.11
~~+50~~	~~Void~~	~~5.4~~	
1258	335.21	0.78	322.63
+50		9.3	325.91
+66		3.4	331.81
TP		3.95	331.26

88+84 BK = 9
89+00 AH

1/14/57

TBM. Top of Stake 40± Lt. 88+66 12' East of Fence

West
Williams
Kellhofer
- Bull

5/10/57

℄ Profile Revised Alignment

MP	Sta	167+95.30 to Sta		
	156	164.19		162.63
TP	137	153.01	12.55	151.64
TP	0.36	140.56	12.81	140.20
	168+00		6.2	134.36
	+50		10.2	130.36
	169+00		10.7	129.86
	+50		11.2	129.36
	170+00		12.0	128.56
	+47		12.0	128.56
	171+00 POT Hub		10.62	129.94
	+17		10.3	130.26
TP	12.24	151.97	0.83	139.73
	+50		10.3	141.67
TP	13.11	164.91	0.17	151.80
	13.24	178.02	0.13	164.78
	172+00		13.1	164.92
	12.86	190.82	0.06	177.96
	+50		7.9	182.92

Old Sta 165+50

TBM on 1½" x 1½" H+T. See FB 939 p 32

Begin Rocky creek bottom

℄ Creek : Running water. 0' Deep

Bottom of Hill

West
Williams
Kellhofer
Ball

5/13/57

		190.82		
	12.61	203.14	0.29	190.53
	13.22	216.24	0.12	203.02
	173+00		4.0	212.24
TBM	12.97	229.08	0.13	216.11
TP	12.53	241.36	0.25	228.83
TP	13.00	254.16	0.20	241.16
	173+50		5.7	248.46
	12.67	266.78	0.05	254.11
	173+78		4.1	262.68
	12.99	279.45	0.32	266.46
	174+00		3.28	276.17
TP	13.08	292.45	0.08	279.37
	8.21 +30 TBM	296.33	4.33	288.12
	174+50		1.0	295.33
	12.99	308.70	0.62	295.71
TP	12.70	320.93	0.47	308.23
	175+00		2.0	318.93
	12.94	332.90	0.97	319.96
	12.98	345.35	0.53	332.37

Nail on Fly Side
TP on 4"x4" Fence post 25' Lt 173+06

on P.O.S Hub

TBM Nail in Fence post 25' Lt

+5.3
15' Lt

10.2
15' Rt

		345.35			
on Pot Hub					
175+50 P.O.T.		6.40	338.95	+0.7 / 13' Lt	13.8 / 15' Rt
	12.74	357.94	0.15	345.20	
176+00		5.3	352.64	+1.3 / 15' Lt	12.5 / 15' Rt
	12.79	370.22	0.51	357.43	
TP	13.26	383.42	0.06	370.16	
176+50		9.6	373.82	4.1 / 25' Lt	14.2 / 20' Rt
	13.24	396.31	0.35	383.07	
	13.31	409.57	0.05	396.26	
177+00		12.3	397.27	7.2 / 25' Lt; 7.3 / 15' Lt	20.8 / 15' Rt
+35 ←		4.2	405.37	+5.1 / 25' Lt; +5.1 / 18' Lt	10.4 / 15' Rt
		Bottom of Top Hard		Layer of Linda Vista	Conglomerate
TP	13.11	422.04	0.64	408.93	
TBM	5.16	426.42	0.78	421.26	Town on City Eng Hub 25' Lt 177+93.93
			5.12	421.30	= 42132 on old Z Hub EB 939 P 35
			5.87	420.55	= 420.70 ± Spike in PP #4528 30' Rt old 180+50
TP					
177+56 ←			5.6	420.82	15.7 / 13 Rt; 7.7 / 9' Rt; 5.3 / 25' Lt
		Top of Murphy		canyon	

	426.42			5/13/57
177+90		7.6	418.82	
178+00		8.0	418.42	
+50		11.1	415.32	
179+00		14.1	412.32	
0.66	414.93	12.15	414.27	
+50		5.1	409.83	
180+00		8.0	406.93	
+50		10.5	404.43	
181+00		13.2	401.73	
2.38	404.82	12.49	402.44	
+50		4.7	400.12	
+75		4.5	400.32	
182+00		6.6	398.22	
+25	Power Pole Line Xing		running	to SW
+50		5.9	398.92	
183+00		7.2	397.62	Bott of draw running to S.W
+50		5.7	399.12	
184+00		2.2	402.62	
13.18	416.73	1.27	403.55	
+50		9.9	406.83	

	416.73		
185+00		5.4	411.33
+50		2.0	414.73
185+62.25 POT	4.92 420.11	1.54	415.19
186+00		4.6	415.51
+50		5.2	414.91
187+00		5.6	414.51
+50		5.6	414.51
+81		6.4	413.71
188+00		4.8	415.31
+32		7.1	413.01
+50		7.4	412.71
189+00		6.2	413.91
+50		7.1	413.01
190+00		5.5	414.61
+50		5.0	415.01
191+00		5.6	414.51
TP	3.43 418.60	4.94	415.17
+50		4.8	413.8
192+00		7.2	411.4

415.19
+ 4.60
419.79
- 6.29
413.50 on (100) REHub

Turn on Hub

419.79
-4.60
415.19 = 415.19

℄ Profile	Revised		Alignment Cont
	418.60		
192+50		9.1	409.5
193+00		9.6	409.0
+50		8.5	410.1
194+00		6.5	412.1
+50		4.2	414.4
195+00		1.9	416.7
9.22	426.62	1.20	417.40
+50		7.9	418.72
196+00		4.5	422.12
+ 25.00 POT		4.14	422.48
+50		4.1	422.52
197+00		4.8	421.82
+50		5.5	421.12
199+00		7.4	419.22
+50		7.8	418.82
199+00		8.6	418.02
+50		9.3	417.32
200+00		9.0	417.62
+50		10.3	416.32

West
Williams
Kellhofer
Bull

5/13/57

On POT H&T

422.48
+ 4.73
427.21
- 6.86
420.35 on (100) RP Nub

	426.62		
TP 5.00	420.97	10.65	415.97
200+65		5.1	415.87
200+90		4.3	416.67
201+30		5.6	415.37
+50		5.7	415.27
202+00		6.0	414.97
+50		5.7	415.27
203+00		6.1	414.87
+20		4.7	416.27
+50		6.3	414.67
204+00		6.2	414.77
+50		6.3	414.67
205+00 POT		5.84	415.13
+50		5.3	415.67
206+00		5.2	415.77
+50		5.5	415.47
6.56	421.44	6.09	414.88
207+00		6.8	414.64
+50		6.9	414.54

on POT Hub

415.13
+ 9.97
420.10 Hi
- 6.38
413.72 on (100) RP Hub

	421.44		
207+65		8.3	413.13
208+00		6.2	415.24
+25		7.8	413.64
+50		6.9	414.54
209+00		6.3	415.14
+50		3.9	417.54
765	428.28	0.81	420.63
210+00		6.8	421.48
+50		4.4	423.88
211+00		3.9	424.38
+50		4.6	423.68
212+00 POT		5.81	422.47
+25		7.7	420.58
+50		11.5	416.78
1.11	416.73	12.66	415.62
213+00		14.4	402.33
+11		15.9	400.83
+50		15.3	401.43
214+00		10.2	406.53
+50		4.0	412.73

on H+S

Bottom of Draw runs NE

	416.73		
13.04	429.14	0.63	416.10
215+00		10.1	419.04
+50		7.3	421.84
216+00		5.6	423.54
+50		3.3	425.84
217+00		1.3	427.84
6.18	434.58	1.04	428.10
+50		5.9	428.68
TBM 6.10	435.36	5.62	428.96
218+00		6.3	429.06
+50		6.5	428.86
219+00		7.4	427.96
+36		7.0	428.36
+50		5.4	429.96
+90		7.1	428.26
220+00		6.5	428.86
+50		6.9	428.46
+70		4.9	430.46
221+00		6.9	428.46

Turn to city Eng Cons Mon 30.16 Rt 217+89.93

	435.36		
221+50		7.5	427.86
222+00		6.6	428.76
+50		7.3	428.06
223+00		7.1	428.26
+25		8.9	426.46
+50		7.4	427.96
5.74	431.82	9.28	426.08
+85		6.2	425.62
224+00		5.7	426.12
+50		6.2	425.62
225+00		7.6	424.22
+50		6.3	425.52
226+00		5.4	426.42
+23.65 POT		5.28	426.54
+50		5.1	426.72
227+00		6.2	425.62
+50		8.2	423.62
228+00		9.1	422.72
+50		9.7	422.12

	431.82		
229+00		10.6	421.22
+50		12.2	419.62
230+00		12.2	419.62
7.29	426.96	12.15	419.67
+50		6.6	420.36
231+00		7.2	419.76
+50		7.9	419.06
+75		7.8	419.16
232+00		5.7	421.26
+50		6.9	420.06
233+00		7.8	419.16
+50		7.5	419.46
+25		5.0	421.96
234+00		7.1	419.86
+50		8.0	418.96
235+00		5.9	421.06
+50		6.2	420.76
236+00		5.6	421.36
+50		5.0	421.96

Profile Cont

5/13/57

Turn on H+S

			426.96	
	235+11.07 PLAN STA.			
2	236+65 BK	3.90	425.42	5.44	421.52
	237+00			3.3	422.12
2	+50			4.3	421.12
	238+00			3.4	422.02
	+50			4.6	420.82
2	239+00			5.0	420.42
	+50			5.4	420.02
	240+00			5.7	419.72
	+50			5.7	419.72
	241+00			5.6	419.82
	+50			5.3	420.12
	242+00			4.7	420.72
	+50			4.6	420.82
	243+00			4.9	420.52
		4.57	426.49	3.50	421.92
2	+50			6.3	420.19
	244+00			5.5	420.99
2	+50			6.1	420.39
	245+00			5.1	421.39
	+50			5.0	421.49

SAME PARTY

MAY 13, 1957

	426.49		
246+00		4.3	422.19
+50		4.0	422.49
247+00		3.1	423.39
+50		3.1	423.39
248+00		3.3	423.19
+50		2.8	423.69
TBM	3.93	428.10	2.32 424.17
249+00		4.1	424.0
+50		4.1	424.0
250+00		5.1	423.0
+50		5.6	422.5
251+00		5.1	423.0
+50		5.2	422.9
252+00		5.0	423.1
+50		5.1	423.0
253+00		5.0	423.1
+50		5.4	422.7
254+00		6.0	422.1
+50		6.2	421.9
255+00		7.4	420.7

Turn on Cons Cty Eng Mon 25' Rt 248+54.22

May 13, 1957

		428.10		
T.P.	2.85	424.24	6.71	421.39
255+50			4.3	419.94
256+00			4.9	419.34
+50			5.6	418.64
257+00			5.7	418.54
+50			6.2	418.04
258+00			5.7	418.54
+50			6.5	417.74
259+00			6.9	417.34
+25			7.1	417.14
+50			5.5	418.74
260+00			6.4	417.84
+50			7.7	416.54
T.P.	1.52	418.21	7.55	416.69
261+00			3.6	414.61
+50			4.2	414.01
262+00			4.5	413.71
+50			4.6	413.61
263+00			4.7	413.51

MAY. 13, 1957

	418.21		
+ 50		5.2	413.01
264+00		5.1	413.11
+ 50		5.3	412.91
265+00		5.3	412.91
+ 50		4.1	414.11
266+00		6.5	411.71
+ 39 82		7.08	411.13
CHK FROM.		6.49	411.72 = 411.57

25' RT. TO CITY ENGR'S. MONT.
FB. 939-44

MONTGOMERY P.L.
Location & Elevation
20" C.I. WATER MAIN

BM	5.50	405.52	400.02
CK ℄ 273+00	3.54	401.98	= 401.47
℄ 273+25.25	4.34	401.18	
	7.62	397.90	
	7.70	397.82	
CK BM	4.62	400.90	= 400.90

JUNE 4, 1957
BEATTY
OBRIEN

see pg. 18, FB- 939

NW Cor Howell 261' RT 273+31

pg. 47 FB 939

oil surfacing = 80+87 KEARNY Mesa 20"C.I.

Top 20" C.I ℄ 273+25.25 — 4.83 / 2.79 / 7.62

Top 20" C.I 5' RT 273+25.25 — 4.83 / 2.87 / 7.70

conc. mon. 25' RT 270+60.73 FB 939 pg. 46.

Revised Alignment Montgomery

West
Williams
Kellhofer
Bull

7/1/57

73+50 to

84+46.75 intersection with Navy Prop. Line

84+00 POT Set 1½" x ¼" HKT

83+05 POT plan

72+57 83 Pi plan check 24°58'30" W.H.

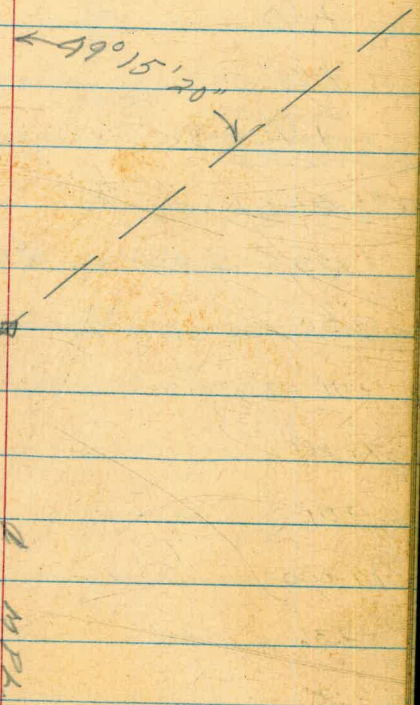
73+50 25°00'20" Rt

71+35 New PP 7' Rt

672633H

71+43 Dead Man 12' Rt

= 91+10.29 AH	Set 1½"x1½" H&T		
90+64.35	BK ∠	49°	15' 20" Rt
89+69.36			Elec. 30" W.H
90+58.20	POT		
89+58.20	Plan		
88+66.55	POT Nail		
87+71.55	Plan		
86+72.20	POT Nail		
85+77.20	Plan		



Revised 73+50	Alignment MP2		
	2 Profile		
12.20	76.79		64.59
73+50 10.63	78.38	9.04	67.75
74+00		9.2	69.2
+50		9.2	69.2
+75		9.9	68.5
+70			
75+00		7.9	70.5
+23			
+50		6.8	71.6
+71			
76+00		6.0	72.4
+50		5.7	72.7
77+00		5.2	73.2
+36			
+50		5.1	73.3
+56			
78+00		4.8	73.6
+50		4.4	74.0
SET T.P.M. 3.97	78.90	3.45	74.93

West
Williams
Kellhofer
Bull

7/21/57

TBM Top 2" Pipe — See page 14

Turn on ⌀ HT

6.9
34' Rt edge Dirt Road

Lt.	Rt.
	8.0 20.
	✓ Top 24" Drain pipe ~~90 Rt.~~ Ornamental
	9' Rt To 1" ~~Tree~~ Sapling with barricade
	5.7 17° Edge Dirt Road
✓ 1" Ornamental Sappling on ℄ with barricade	
	5.5 7.0 Edge of Dirt Road
✓ 1" Ornamental Sappling 9' Lt. & Begin. of Parking Area with barricade	

End of Parking Area

10' Lt. To 2° Dia. Palm Tree

Spike at base of Elec. Tree (78+62-15' Rt.)

		M.P.L.		
		78.90		
79+00			4.9	74.0
+50			4.7	74.2
80+00			4.4	74.5
+50			3.8	75.1
81+00			2.6	76.3
+28.77	POT		1.3	77.6
TP	12.68	90.68	0.90	78.00
+33				
+33				
+50			12.1	78.6
82+00			9.9	80.8
+50			8.0	82.7
+63			7.9	82.8
+82				
83+00			33	87.4
T.P.	10.89	101.45	0.12	90.56
+50			5.8	95.7
+55			4.7	96.8
+60			1.7	100.3

July 2, 1957

78+60 16' RT 42" dia, 125' high Euc Tree
79+45 14.5 RT 36" dia, 125' " Euc Tree
79+60 15' RT. 30" " " " " "
79+81 17' RT 36" " " " " "
80+09 17' " 16" " 75' " "

5' LT. BEGIN 15' HIGH RETAINING WALL

END OF RETAINING WALL

11.03
7' LT. BEGIN CONC. BASKET BALL COURT.

10.89
9.2 LT. TO EDGE CONC.

9.48
14.2 LT. TO EDGE CONC.

8.65
17.3 LT. TO EDGE CONC.

8.50
20' LT TO END OF CONC. COURT

	LT.	RT.
TOE OF SLOPE OF ROAD FILL	5.6/10'	4.2/10'
ELY EDGE DIRT ROAD		

		M.P.L.		
		101.45		
83+90			1.1	100.4
+93			2.3	99.2
T.P. Rock	12.89	113.22	1.12	100.33
+96			11.0	102.22
84+00			10.0	103.22
T.P.	13.20	125.80	0.62	112.60
+46.75			11.5	114.3
T.P.	12.86	138.25	0.41	125.39
85+00			6.5	131.75
TP	13.18	151.25	0.18	138.07
			3.01	148.24 =
TBM	12.85	163.32	0.78	150.47
+50			8.5	154.8
TP	13.11	176.04	0.39	162.93
TP	13.17	189.13	0.08	175.96
86+00			4.9	184.2
TP	13.12	201.99	0.26	188.87
	13.32	215.27	0.04	201.95
+50			2.3	213.0
TP	12.88	227.89	0.26	215.01
	13.30	241.13	0.06	227.83

SAME PARTY

JULY 2, 1957

WLY EDGE OF DIRT ROAD

WLY EDGE GUTTER LINE

TOP OF ROAD CUT.

NAVY PROP LINE & BARBED WIRE FENCE XING

148.19 1¼" HUT 83+35 PAGE 17

TBM ½" iron pin 10'Rt 83+10

		M.P.L.		
		241.13		
TP	13.29	254.27	0.15	240.98
87+00			12.0	242.3
TP	13.08	267.22	0.13	254.14
+50			0.8	267.02
TP	12.54	279.32	0.44	266.78
TP	13.13	292.01	0.44	278.88
88+00			0.9	291.11
T.P.	13.05	304.81	0.25	291.76
TP	13.05	317.64	0.22	304.59
+50			2.9	314.74
T.P.	13.13	330.70	0.07	317.57
T.P.	13.06	343.00	0.76	329.94
Chk. T.B.M.			11.67	331.33 = 331.26
89+00			8.2	334.8
+5.5				
T.P.	12.98	355.76	0.22	342.78
+50			7.0	348.76
T.P.	13.22	368.75	0.23	355.53
90+00			2.9	365.85

STATE PARTY

40

JULY 2, 1957

Lt. C Rt

F.B. 940-18

FENCE CROSSING

106 / 15' 345.16

8.3 / 20' 360.45

M.P.L.

		368.75		
T.P.	12.77	381.04	0.48	368.27
90+50			1.2	379.84
T.P.	7.03	387.68	0.39	380.65
			5.15	382.53 =

SAME PARTY

41

July 2, 1957

	Lt.	Rt.
		41
		25
90+35	382.47	1½" x 1¼ HLT FB 934 P 20

MONTGOMERY P.L
& PROFILE
ALIGN'MT REVISION
STA. 31+ to STA. 52+

TBM.	6.35	80.62		74.27
TP	4.54	84.61	0.55	80.07
TP	8.58	80.66	12.53	72.08
29+50			10.1	70.6
+65			10.2	70.5
30+00			9.1	71.6
+50			9.1	71.6
+67			8.3	72.4
30+72.5			9.3	71.4
31+00			10.6	70.1
31+45.02 ⊻ PT			10.9	69.8
31+48			10.6	70.1
31+50			9.6	71.1
31+54			8.8	71.9
31+58			9.9	70.8
32+00			3.6	77.1
32+30			0.8	79.9
32+39.43 POT			0.6	80.1
32+50			0.6	80.1
TP Rock.	6.76	86.92	0.50	80.16

JULY 12, 1957
WEST.
KELLHOFER
BULL
Beatty

Chis ⊓ center Culv. Hdwll NE Cor. TWAIN & MISSION G. Rd

(FOR SKETCH & Align'mt. see pg. 77-78 FB939)

(area being filled) ← 8.0/10 ℄ 8.5/7

" " ← 7.0/3 ℄ 10.1/3 8.4/8

" " ←

Bottom of wall of Bldg. (Ftg) 11.6/9.5 8.9/6 ℄

" " " 11.6/8.8 10.8/7.5 ℄

(10' RT 31+34 Fen. Cor (same)
14' RT. 31+50 Fen Cor B. wire)

32+27

(11.5 LT. 32+27 ⊻ PT. in Cyclone Fence) 3.9/10 ℄ 3.1/7 1.6/8 0.7/13 @ Fen.

@ fence 0.0/13 ℄ 0.2/3 +2.6/8 +3.8/13 @ Fence

16.5 LT. 32+76 ⊻ PT in cyclone fence to Cor. GALV. Barn

MONTGOMERY R.L.
& Profile Cont'd.

7/12/57

	86.92		
33+00	6.9	80.0	(32+84 29' LT. to Cor Galv Barn) ℄ 6.0/7 4.3/9 2.6/13 @ fen
			(S.D. County?)
			(33+08 16± LT to Cor Galv Barn)
33+50	6.8	80.1	℄ 6.3/7 3.6/11 3.0/13 @ Fenc
34+00	6.0	80.9	8.9/14 6.8/12 ℄ 5.2/7 3.4/13 @ fence
+33	5.1	81.8	
+50	5.1	81.8	Leveled off vacant area — 9.6/13 6.0/10± ℄
			(34+59 12.6± RT to ℄ PT. in fence)
35+00	5.1	81.8	10.2/15 6.0/11 ℄
			(19' LT to fen. end B.W. begin C.W.)
35+32	5.8	81.1	(Begin Conc Blk Retaining Wall) 5.86/14 6.0/11 ℄
32+50	5.2	81.7	Top Conc Blk wall 5.94/14 ℄ 1.9/29 (End C.W. fence)
35+73.25 ℄ PT	5.0	81.9	(Split of ℄) ℄ PT Conc Blk wall 5.96/14 5.0 ℄
			(2' LT 35+76 18" olive tree)
			5' LT 35+92 · olive Stump
			8' LT 35+92 Clump Pepper Tree
36+00	3.6	83.3	Top Conc Blk wall 4.80/13 ℄
			6' LT 36+07 18" Olive Tree
			6' LT 36+21 1'-0" " "
			7' LT 36+37 8" Olive clump

MONTGOMERY P.L.
& Profile Cont.d

			86.92		
PI		1.32	86.25	1.99	84.93
36+49				1.12	85.13
36+61				1.1	85.2
36+81.25	℄ Twain			0.44	85.81
36+88.25	℄ PT			0.57	85.68
(108' BK Tang. produced.	Edge of AC)			1.12	85.13
37+00				2.07	84.18
37+50				8.34	77.91
37+75				10.48	75.77
37+93				10.56	75.69
37+93	Top 12" A.C water			9.80 / 5.45 = 15.25	71.00
38+00				10.52	75.73
CK BM		3.58	77.86	11.97	72.28 = 74.27
	N/y rim Sew. MH			2.05	75.80
	Inv. 14" Sew			16.00 / 18.05	59.80
38+10	℄ Mission Gorge Road			2.03	75.83
38+50				3.10	74.76
38+73.14 BK				3.94	73.92
37+65.73 AH.					
38+00				5.01	72.85

7/12/57

44

Cor. Conc Blk Wall 13° LT. 36+51.25 P.L.

Begin 1"-1½ AC paved driveway (dirt over it)

℄ 2.18 / 13. Top @ end of curb

on AC.

on A.C

on AC

" "

℄ 2.66 / 11 edge AC. pavt.

" "

" "

" "

" "

" "

chis ⊔ on curv. bdwll NE Cor Twain & Mission Gorge R.36.

7' LT 38+10 ℄ Sew. M.H.

on A.C

℄ 5.10 / 14 edge AC. pav.

Montgomery P.L
& Profile Cont'd.

		77.86		
38+50		5.98	71.88	
39+00		6.63	71.23	
39+40 30	X RT.	7.23	70.63	
39+45 8		7.80	70.06	End A.C pavit
39+51		8.9	68.96	Top of drain ditch
39+54 8 39+56 8	} 2' ft ditch	10.4	67.46	drain ditch
39+59		9.0	68.86	
39+68 8		9.2	68.66	B.W. fence crossing
40+00		9.5	68.36	
40+50		9.3	68.56	
41+00		9.4	68.46	
P	5.41	77.08	6.19 71.67	
41+07		8.3	68.78	41+07 B.W fence, BW fence 5' RT
41+50		8.0	69.08	End of Septic Tank Drain from east BW fence 3' RT.
41+62		8.1	68.98	B.W fence crossing 25 RT. Fence Cor.
41+86		7.3	69.78	41+82 3 41+85 0 } 12 3 LT To Conc. (2 3'x2') Irrig. Box
42+00		7.5	69.58	
42+50		6.8	70.28	
42+68		6.1	70.98	} Small irrig. ditch
42+70		7.2	69.88	
42+72		6.5	70.58	

℄ 6 4/8 Edge A.C pav.
℄ 7.07 " . "

MONTGOMERY PL
& Profile Cont'd

	77.08		
43+00		6.2	70.88
43+39		5.5	71.58
43+42		4.3	72.78
43+45		5.3	71.78
43+47		7.2	69.88
43+48.5		5.6	71.48
43+50		5.5	71.58
44+00		5.5	71.58
44+09		4.9	72.18
44+12		3.9	73.18
Set TBM 5.85	79.29	3.64	73.44
+50		6.7	72.59
45+00		6.3	72.99
+50		6.0	73.29
46+06		5.8	73.49
+20			
+50		5.2	74.09
+78			
47+00		5.9	73.39

43+00 } 5' Lt Garden Gate
43+03 }

} small irrig. ditch

w.w fence crossing

Nail in pow. pole 8' Rt 43+12 #277585

10' Lt 18" Dia Olive Tree ℄ Overhangs
℄ 10' wide Dirt Road
10' Lt 8" Dia Apricot Tree
7' Lt 12" Orange Tree

Montgomery P2.
2 Profile
7929

47+86			
+50		7.0	72.29
48+00		7.5	71.79
+28		7.7	71.59
+35		4.3	74.99
+50		6.4	72.89
+87		6.0	73.29
+88 94		7.0	72.29
+88 94			
+88 94			
+88 94			
+88 94			
TP	4.56	76.10 7.75	71.54
49+00		3.5	72.60
+50		3.9	72.20
50+00		5.0	71.10
+50		5.7	70.40
+52			
51+00		6.4	69.70

7.5 Rt 18" Olive Tree

Begin Local Fill To Right of ℄
7.7
7' Lt end of Fill

51+ edge Drainage Ditch

7.9
5° Rt Forward Tangent
7.8
9° Rt " "
5.0
15° Rt " "
6.9
19 Rt " " edge Dirt Road
} Drainage Ditch

3.0
1° Lt Top Drainage Ditch
1.2
3 Rt
4.7
10 Rt
5.3
6° Rt
4.6
6° Rt
5.5
8' Rt

PP 6' Lt #179121

Montgomery PL.
& Profile

76.10

51+50		6.4	69.70
52+00		7.2	68.90
+43 BK Δ	73.89	7.26	68.84
		4.12	69.77 =

Turn on Δ 1/5" HT

69.72 Top wly rim sewer MH 15" RL 52+62

MONTGOMERY P.L.
Alignmt Revision
STA. 29+00 – 32+81.79

35+83 P.I. (Continued FD 939-60)

32+81.79 AH
32+92.52 BK 18°44'30" LT P.I.

63° 09' OR CAW 11/15/56
62°28' RT ~~63°10' RT.~~ ~~Beatty~~ 8/8/57

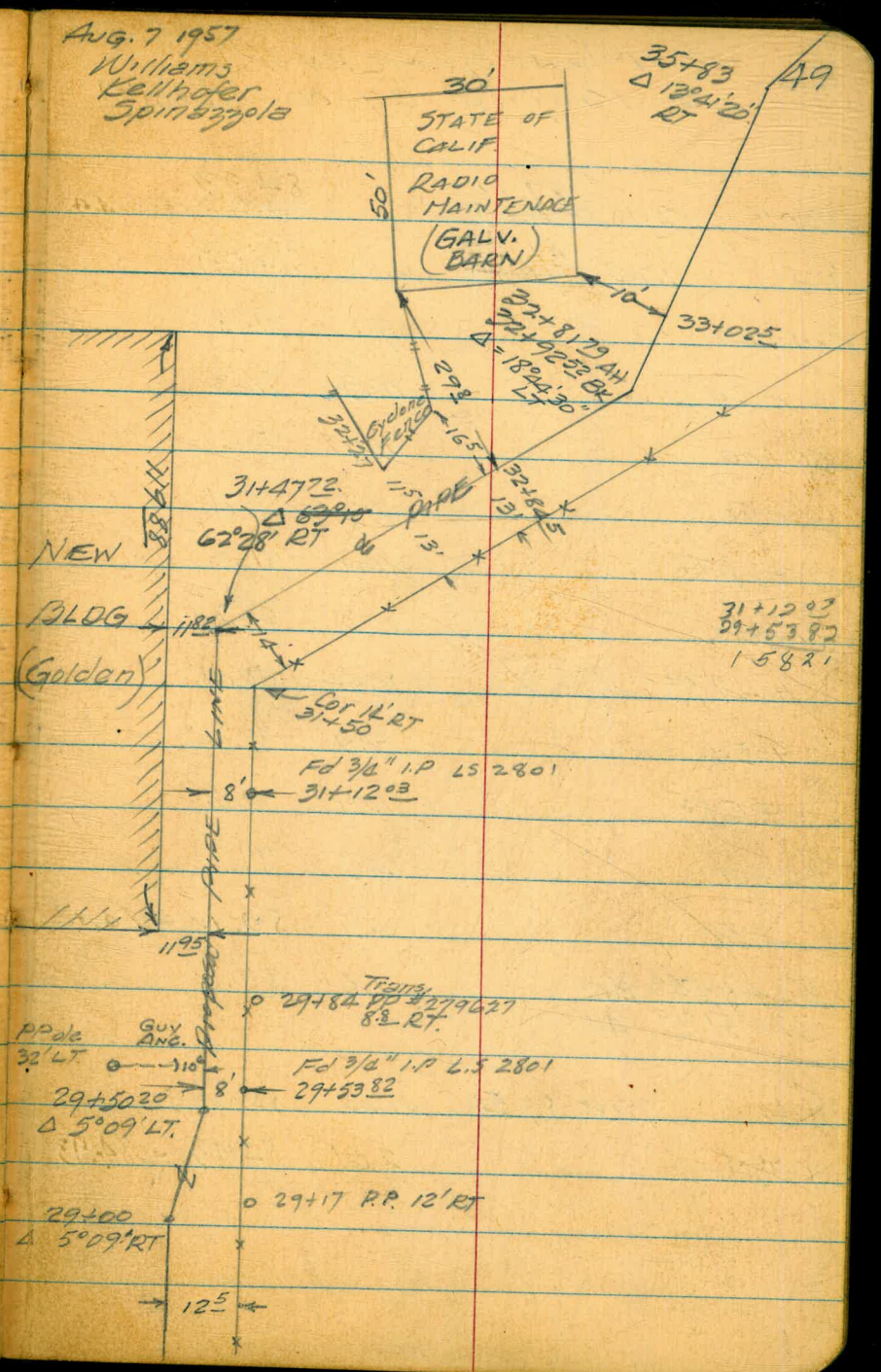
31+47.72 P.I.
24+62.35 ℄ PLAN
29+47.54 BK

29+50.20 P.I. 5°09' LT
27+70.02 ℄ PLAN

29+00 P.I. 5°09' RT
27+19.82 ℄ PLAN

26+01 P.I. 15°01'35" LT

AUG. 7 1957
Williams
Kellhofer
Spinazzola



MONTGOMERY P.L
& Profile 29+00 – 32+81.79

TBM	2.18	~~87.11~~ ~~76.45~~		~~84.93~~ ~~74.27~~ pg 44	Cor Conc BK Wall 13' LT 36+51
℄	1.25	~~81.55~~ ~~70.89~~	6.81	~~80.30~~ ~~69.64~~	
29+00			9.8	71.8	
+50			10.3	71.3	
30+00			11.0	70.6	
+50			9.5	72.1	
+73.72			10.1	71.5	
31+00			11.3	70.3	
+47.72 (on RI Hub)			11.44	70.11	
+54			9.9	71.7	
+58.5			10.9	70.7	
32+00			4.5	77.1	
+50			1.5	80.1 = 80.1	see pg 42
32+92.52 BK 32+81.79 AH			1.6	80.0	
℄	2.19	87.54	1.20	80.35	
CK TBM			2.61	84.93 = 84.93	

Edge Conc Ftg 12.42 / 11.33 ℄

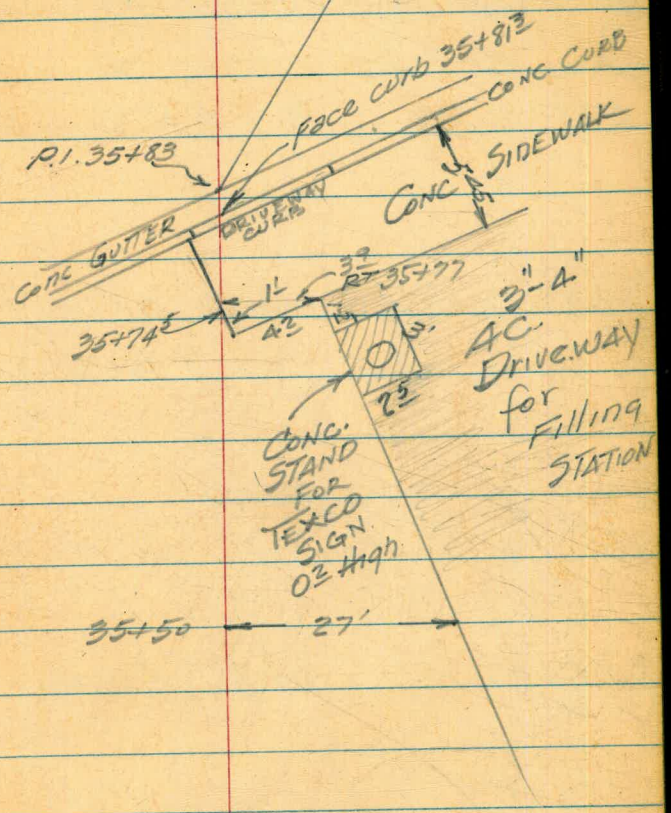
Edge Conc Ftg 12.42 / 11.01 ℄

MONTGOMERY P.C

8-8-57

PP# 37+29 0 43

51



MONTGOMERY PL.
Proposed Re Alignment
(STA 215+78 + 236+78.22 Plan Sta)

243+03.47 BK. = ~~235+11.07 A.H.~~ PLAN STA.
= 234+84.41 Ah

237+20.47 . P.O.T. R.H. NAIL 25' RT. To

233+47.29 X 90° 27' 30" LT 1¼" X 1¼" HUT.
BACK T. PROLONGED NLY. R.P.

231+08.56 POT Set ½" x 1½" HUT

226+00 P.O.T. R.H. NAIL 90° RT. OFF FORW. T. SET R.P. AT 30' AND 60'

218+77.11 Cone Mon 248' RT

218+32.11 X 89°59' 00" RT (FORW. T.

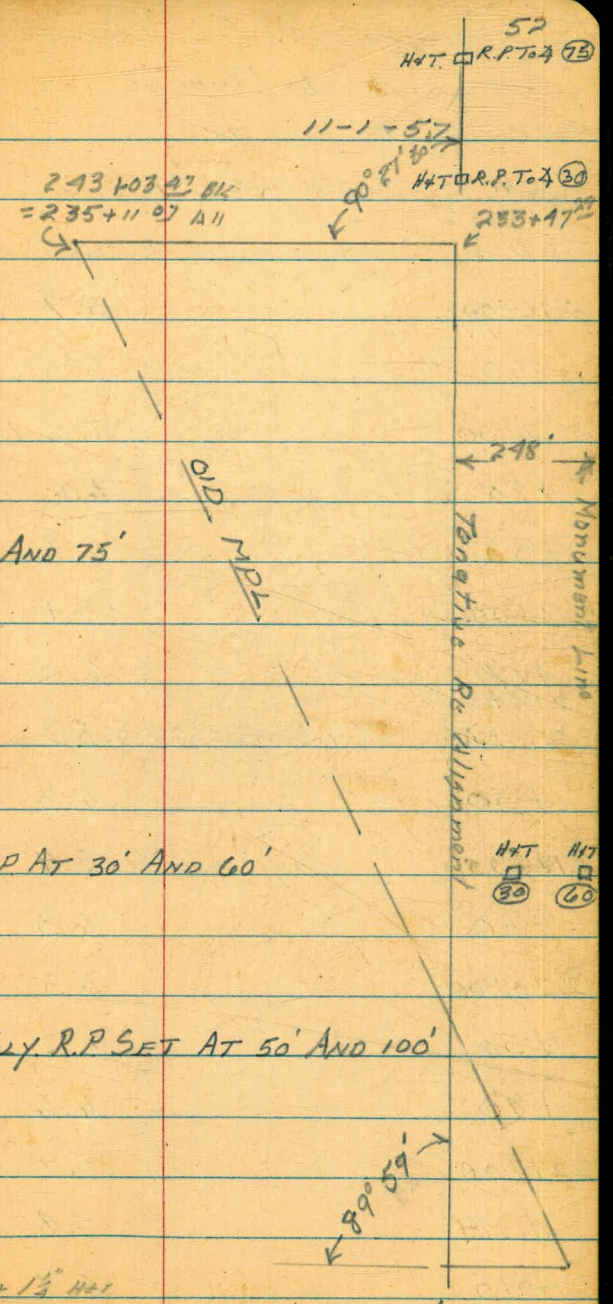
215+84.11 45' RT @ 90° To city eng Mon

215+78.11 X 51° 13" 55" Lt

West
Williams
O'Brien
Cousineau

F.B. 939-73

Set 1½" x 1½" HUT
90° RT. OFF FORW. T. R.P. AT 25' AND 75'
125'± HUT. LINE ONLY



MONTGOMERY P.L. PROPOSED RE-ALIGNMENT & PROFILE

WEST
WILLIAMS
O'BRIEN &
COURTNEY ¢

11/4/57
SHOWERS A.M.

STA	+	HI	-	EL.
T.B.M.	5.28	434.24		428.96
215+78.11 ℄			5.04	429.2
216+00			5.7	428.5
+50			5.0	429.2
217+00			6.6	427.6
+50			6.8	427.4
+85			6.5	427.7
218+00			5.1	429.1
+17			6.2	428.0
218+32.11 ℄	6.42	435.07	5.59	428.65
+50			6.3	428.8
219+00			5.4	429.7
+50			6.3	428.8
220+00			5.3	429.8
+50			6.2	428.9
+90			6.6	428.5
221+00			5.9	429.2
+24			4.8	430.3
+45			6.7	428.4
+50			6.5	428.6

PAGE 27 CITY ENGR MON.

90° RT. OFF FORW. T. R.P. AT 25' AND 75'
125'± LINE ONLY

EL. 427.57 EL 427.65
FORW. T. PROLONGED SLY. R.P. AT 50' AND 100'

M.P.L. RE-ALIGNMENT CONT. & PROFILE

SAME PARTY

PARTLY CLOUDY P.M.

11/4/57

STA.	+	HI 435.07	−	EL.		
221+74			6.6	428.5		
222+00			4.9	430.2		
+13			6.9	428.2		
+50			6.6	428.5		
223+00			7.1	428.0		
+50			7.7	427.4		
224+00			8.3	426.8		
T.P	3.89	430.71	8.25	426.82		
+50			5.0	425.7	426.3	4.4 25 LT.
225+00			5.1	425.6	425.8	4.9 25 LT
+50			5.0	425.7	427.2	3.5 25 LT.
P.O.T	90° RT OFF FORM. TAN.				427.2	3.5 25 LT.
226+00	SET R.P. AT 30'+60'		5.0	425.7	425.8	4.9 25 LT
+50			4.6	426.1	427.1	3.6 25 LT.
227+00			4.8	425.9	426.1	4.6 25 LT
+50			6.3	424.4	426.6	4.1 25 LT
228+00			6.2	424.5		
+50			4.3	426.4		
+82			2.4	428.3		
T.P.	7.36	434.61	3.46	427.25		
229+00			6.5	428.1		

℄

427.5 7.6 25' LT. — 9.0 426.1 25' RT.

5.7 425.0 25' RT 7.8 422.9 50' RT.

6.3 424.4 25' RT 7.6 423.1 50' RT.

4.7 426.0 25 RT 7.3 423.4 50' RT.

5.4 425.3 25 RT 6.0 424.7 50' RT.

5.2 425.5 25' RT 7.3 423.4 50' RT.

6.0 424.7 25 RT 7.8 422.9 50 RT.

8.3 422.4 25 RT 11.8 418.9 50 RT.

7.4 423.3 25 RT 10.0 420.7 50 RT.

M.P.L. RE-ALIGNMENT & PROFILE CONT.

SAME PARTY

11/4/57

STA.	+	H.I. 434.61	−	EL.
229+37			6.2	428.4
+46			7.3	427.3
+50			7.3	427.3
230+00			6.2	428.4
+50			6.2	428.4
+90			4.2	430.4
231+00			4.4	430.2
+11			5.5	429.1
+22			5.5	429.1
+40			3.9	430.7
+50			4.4	430.2
232+00			5.0	429.6
+50			4.9	429.7
233+00			5.2	429.4
+19			3.9	430.7
+35			5.2	429.4
T.P. 4 233+47.29	6.11	434.99	5.73	428.88
+81			5.9	429.1
234+00			4.3	430.7
+20			6.0	429.0

429.8	431.4	429.3	430.6	
4.8 32 LT.	3.2 18 LT.	5.3 5 RT.	4.6 2.5 RT.	
4.8 31 LT.	3.4 18 LT.	2.7 6 LT.	5.5 6 RT.	4.8 2.5 RT.
429.8	431.2	431.9	429.1	429.8

BACK T. PROLONGED NLY. R.P. SET AT 30' AND 75'
67° 23' RT. OFF BACK T. @ 66' EL TOP MON. 428.98

M.P.L. RE-ALIGNMENT CONT. & PROFILE

SAME PARTY

11/4/57

STA.	+	HI 434.99	−	EL
234+50			5.9	429.1
235+00			6.5	428.5
+50			5.8	429.2
236+00			4.1	430.9
+50			4.3	430.7
237+00			4.7	430.3
+50			5.9	429.1
238+00			9.7	425.3
+50			11.9	423.1
T.P.	3.70	426.60	12.09	422.90
239+00			5.1	421.5
+50			5.0	421.6
+72			4.1	422.5
240+00			5.5	421.1
+35			5.4	421.2
+50			4.8	421.8
+80			6.8	419.8
241+00			6.8	419.8
+29			4.8	421.8
+50			6.2	420.4

M.P.L. RE-ALIGNMENT CONT.
& PROFILE

SAME PARTY

11/4/57

STA	+	HI 426.60	−	EL.
241+69			6.1	420.5
242+00			3.5	423.1
+35			5.1	421.5
+50			5.2	421.4
243+00			5.0	421.6
243+03.47 BK	235+11.07 AH.		5.03	421.57 = 421.52

PAGE 30

Reduced 11-5-57
by GA

Montgomery Pipeline

Stks. For 36" At (10')

Used Self Reading Rod

Station	Elev.	Grade	Cut
T.B.M.	400.42		
278+60	401.0	391.7	C 9 3
278+00	400.6	393.0	C 7 6
277+50	402.1	394.0	C 8 1
277+00	403.0	395.1	C 7 9
276+50	404.1	396.2	C 7 9
276+00	404.9	397.3	C 7 6
275+90	405.0	397.4	C 7 6
275+50	405.8	397.8	C 8 0
275+00	406.3	398.2	C 8 1
274+50	406.1	398.6	C 7 5
274+00	406.4	399.0	C 7 4
T.P.	405.92		
273+50	407.0	399.4	C 7 6
273+00	406.9	399.7	C 7 2
272+50	407.6	400.1	C 7 5
272+00	407.5	400.5	C 7 0
271+50	407.7	400.8	C 6 9
271+00	408.2	401.2	C 7 0
270+50	408.6	401.6	C 7 0

West
Williams
O'Brien &
Courtney

11/20/57
Clear

Con. Mon. 25' Rt. & Ahead F.B. 939-46

MONTGOMERY RL. CONT.

USED SELF READING ROD

SAME PARTY

11/20/57

STATION	ELEV	GRADE	CUT
270+00	409.6	402.0	C7 6
269+50	410.1	402.0	C8 1
269+00	411.0	402.1	C8 9
268+50	411.9	402.1	C9 8
268+00	411.1	402.2	C8 9
267+50	411.1	402.2	C8 9
267+00	411.4	402.2	C9 2
266+50	410.9	402.3	C8 6
266+00	410.9	402.3	C8 6
265+50	411.7	402.4	C9 3
265+20	411.6	402.4	C9 2
265+00	411.6	402.7	C8 9
264+59.05	411.0	403.3	C7 1 SPLIT OF X
CHECK T.B.M	411.49 =	411.57	F.B 939-44 ON CITY ENGR MON.

FAIR + VERY WINDY

11/21/57

T.B.M.	421.52	H & T PAGE 30	WEST WILLIAMS O'BRIEN & COURTNEY + C10 0
236+00	421.9	411.9	
+50	421.2	411.9	9 3
237+00	421.0	411.9	9 1
+50	420.6	412.0	8 6

MONTGOMERY P.L. CONT
USED SELF READING ROD

SAME PARTY

11/21/57

STATION	ELEV.	GRADE	CUT	
238+00	419.8	412.0	C7 8	
+50	420.2	412.0	C8 2	
+70	419.8	412.0	C7 8	
239+00	419.7	412.0	C7 7	
+50	420.0	412.1	C7 9	
240+00	420.6	412.2	C8 4	
T.P.	420.85			
+50	420.9	412.2	C8 7	
241+00	421.1	412.3	C8 8	
+50	420.6	412.4	C8 2	
242+00	~~421.4~~ 420.4	412.5	~~C8 9~~	C7 9
+50	420.3	412.6	C7 7	
+60	420.3	412.6	C7 7	
243+00	420.6	413.1	C7 5	
+50	421.2	413.6	C7 6	
244+00	422.0	414.2	C7 8	
+40	422.5	414.6	C7 9	OK
+50	422.5	414.7	C7 8	
245+00	423.1	~~415.0~~ 414.4	~~C8 1~~	C 8 7
+50	423.8	~~415.3~~ 414.1	~~C8 5~~	C 9 7

STATION	ELEV.	GRADE
246+00	423.3	~~415.7~~ 413.9
+50	423.3	~~415.9~~ 413.7
P.O.T. 246+73.45	423.76	
247+00	423.9	~~416.2~~ 413.5
+20	423.8	~~416.4~~ 413.4
+50	424.2	~~416.9~~ 413.3
+70	424.2	~~416.9~~ 413.2
248+00	423.2	~~415.9~~ 413.1
+50	422.9	~~415.~~ 412.9
+55	422.8	~~415.0~~ 412.9
249+00	423.4	~~415.0~~ 412.7
+50	423.0	~~415.0~~ 412.5
250+00	423.2	~~415.0~~ 412.3
+50	423.2	~~415.0~~ 412.1
+70	423.1	~~415.0~~ 412.0
251+00	423.2	~~414.9~~ 411.9
+50	423.0	~~414.7~~ 411.7
252+00	422.2	~~414.6~~ 411.5
+15	422.0	~~414.5~~ 411.5
+50	421.9	~~414.0~~ 411.3
253+00	421.3	413.3 411.1

CUT	
~~C7 6~~	C 9 4
~~C7 4~~	C 9 6
1¼" x 1¼"	H.T. (15) CITY ENGR. MON.
~~C7 7~~	C 10 4
~~C7 4~~	C 10 4
~~C7 8~~	C 10 9
~~C7 8~~	C 11 0
C7 3	C 10 1
~~C7 8~~	C 10 0
~~C7 8~~	C 9 9
~~C8 4~~	C 10 7
~~C8 0~~	C 10 5
~~C8 2~~	C 10 9
~~C8 2~~	C 11 1
~~C8 1~~	C 11 1
~~C8 3~~	C 11 3
~~C8 3~~	C 11 3
C7 6	C 10 7
~~C7 5~~	C 10 5
~~C7 9~~	C 10 6
~~C8 0~~	C 10 2

Montgomery P.L. Cont.

Station	Elev.	Grade
253+50 T.P.	420.64	~~412.6~~ 410.9
254+00	419.1	~~411.9~~ 410.7
+50	419.2	~~411.3~~ 410.4
+70	419.0	~~411.0~~ 410.4
255+00	418.9	~~410.8~~ 410.2
+50	418.4	~~410.5~~ 410.0
256+00	418.3	~~410.3~~ 409.8
+50	417.8	~~409.9~~ 409.6
257+00	417.8	~~409.7~~ 409.4
+50	417.7	~~409.9~~ 409.2
258+00	418.3	~~409.1~~ 409.0
+50	416.6	408.8
259+00	415.5	407.8
+50	414.5	406.9
260+00	413.8	406.0
+50	413.7	406.0
261+00	413.5	405.9
+50 T.P.	413.26	405.8
262+00	413.3	405.7
+50	413.0	405.6

Same Party

11/21/57

Stks Mkd to Thru Sta

Cut	
~~C8 9~~	C 9 7
~~C7 2~~	C 8 4
~~C7 9~~	C 8 8
~~C8 9~~	C 8 6
~~C8 4~~	C 8 7
~~C7 9~~	C 8 4
~~C8 9~~	C 8 5
~~C7 9~~	C 8 2
~~C8 1~~	C 8 4
~~C8 3~~	C 8 5
~~C9 2~~	C 9 3
C7 8	
C7 1	
C7 6	
C7 8	
C7 1	
C7 6	
C7 5	
C7 6	
C7 4	

Montgomery R.L. Cont.

Station	Elev.	Grade
263+00	413.4	405.5
+25	413.2	405.5
+50	414.1	405.1
264+00	412.6	404.3
CHECK T.B.M.	411.73	= 411.57

Same Party

COT

C7 9
C7 7
C9 0
C8 3

PAGE 59

11/21/57

* West Williams O'Brien & Courtney

12-12-57

Mont Comery PL Cont.

T.B.M.		428.98
233+47 29	429.1	418.0
233+50	429.2	418.0
233+37 29	429.0	418.0
234+00	429.4	418.0
234+50	429.3	418.0
235+00	428.8	418.0
235+50	429.4	418.0
236+00	430.4	418.0
236+50	430.5	418.0
237+00	430.3	418.0
237+20 47	POT.	

C11 1
C11 7
C11 4
C11 3
C10 8
C11 4
C12 4
C12 5
C12 3

53
Conc Mon 25' Rt Sta 233+47 29 Scop

Montgomery Pipe Line — Same Party — 12/12/57

Station	Elev	Grade	Cut
237+50	429.4	418.0	C 11 4
237+90	425.8	418.0	C 7 8
TP	425.62		
238+00	425.3	417.7	C 7 6
238+50	423.0	416.3	C 6 7
239+00	421.4	414.9	C 6 5
239+20	422.0	414.4	C 7 6
239+50	421.8	414.0	C 7 8
240+00	421.1	413.3	C 7 9
240+50	421.1	412.6	C 8 5
240+90	419.6	412.0	C 7 6
241+00	420.1	412.0	C 8 1
241+50	420.5	412.0	C 8 5
242+00	422.8	412.0	C 10 8
TP 242+50	421.45	412.0	C 9 5
243+00	421.6	412.0	C 9 6
235+00	421.4	412.0	C 9 4
235+50	421.5	412.0	C 9 5
236+00	421.5	412.1	C 9 4
Check	421.2 = 421.2		Pg 59 Sta 236+50

Montgomery PL.
Used Self Reading Rod

West
Williams
π O'Brien
φ Courtney

Cloudy
12-16-57

STA	Elev	Grade	TBM		City Eng Conc Mon See page 27
T.B.M. SPLIT OF ✗	428.96				
215+78.11	429.1	420.4	C 8	1	
216+00	428.6	420.4	C 8	2	
+50	429.1	420.4	C 8	1	
217+00	427.6	420.4	C 7	2	
+30	427.7	420.4	C 7	3	
+50	427.4	420.5	C 6	9	
218+00	427.8	420.9	C 6	9	
+32.11 ✗	428.6	421.1	C 7	5	
+32.11 ✗	429.1	421.1	C 8	0	
+50	429.3	421.1	C 8	1	
219+00	428.9	421.5	C 7	4	
+50	428.9	421.7	C 7	2	
220+00	428.8	422.0	C 6	8	
+40	429.0	422.2	C 6	8	
+50	429.1	422.0	C 7	1	
220+80	428.6	421.4	C 7	2	
221+00	428.1	421.3	C 6	8	
+50	428.0	421.2	C 6	8	
I 22+00	428.3.	421.0	C 7	3	

MONTGOMERY P.L. CONT. SAME PARTY 12/16/57

STA.	ELEV.	GRADE	CUT
222+20	428.0	421.6	C7 0
+50	428.0	420.7	C7 3
T.P. 223+00	427.72	420.2	C7 5
+50	427.5	419.7	C7 8
224+00	427.1	419.2	C7 9
+50	426.4	418.7	C7 7
225+00	425.8	418.5	C7 3
+50	426.2	418.3	C7 9
226+00	425.7	418.1	C7 6
+50	426.3	417.9	C8 4
227+00	426.4	417.7	C8 7
+50	425.4	417.5	C7 9
+70	425.1	417.4	C7 7
228+00	424.0	418.2	C5 8
+50	426.2	419.5	C6 1
+70	427.0	420.0	C7 0
229+00	427.3	419.9	C7 4
+50	427.7	419.7	C8 0
230+00	428.4	419.5	C8 9
T.P. +50	428.80	419.3	C9 5

STA	ELEV.	GRADE		CUT
231+00	429.6	419.0		C10 6
+50	430.1	418.8		C11 3
232+00	429.6	418.6		C11 0
+50	429.8	418.4		C11 4
233+00	429.5	418.2		C11 3
CHECK T.B.M	428.99 =	428.98		
				TOP MON. SEE PAGE 55
				12/30-57
6.41	429.37	428.96		TBM Top Conc Mon 30'Rt 216+36
215+50	1.6	427.8	420.4	C7 1
215+40	1.5	427.9	420.4	C7 5
215+00	4.0	425.4	418.7	C6 7
214+50	6.0	423.4	416.5	C6 9
214+00	8.0	421.4	414.4	C7 0
213+70	9.3	420.1	413.0	C7 1
213+50	10.9	418.5	410.9	C7 6
0.25	417.05	12.57	416.80	
213+00	3.4	413.7	405.4	C8 3
212+50	9.2	407.9	399.9	C8 0
2 1.87	406.61	12.31	404.74	

12/16/57

STA	+	HI 406.61	−	EL	GRADE	
212+00			3.7	402.9	394.4	C 8 5
211+95			3.7	402.9	394.0	C 8 9
211+50	12.76	414.76	4.61	402.00	394.0	C 8 0 Turn on Gunnery
T.P.	12.37	426.74	0.39	414.37		12/31/57 WEST WILLIAMS KEMP COURTNEY CLEAR & 70°
211+00			12.0	414.7	408.0	C 6 7
210+60			5.7	421.0	414.2	C 6 8
210+50			5.0	421.7	414.5	C 7 2
210+00			3.6	423.1	416.2	C 6 9
209+50			2.6	424.1	416.2	C 7 9
209+00			3.2	423.5	416.2	C 7 3
208+87			3.5	423.2	416.2	C 7 0
208+50			4.9	421.8	414.3	C 7 5
T.P. 208+00	0.86	419.06	8.54	418.20	410.7	C 7 5
207+60			3.1	416.0	407.8	C 8 2
207+50			3.3	415.8	407.5	C 8 3
207+00			5.1	414.0	406.2	C 7 8
206+70			5.0	414.1	405.4	C 8 1
206+50			4.7	414.4	405.4	C 9 0
206+10			5.6	413.5	405.4	C 8 1
206+00			5.5	413.6	405.5	C 8 1

MONTGOMERY P.L. CONT.

STA.	+	Hi 419.06	−	EL.	GRADE
205+50			5.3	413.8	405.7
205+00			4.4	414.7	406.1
204+50			3.7	415.4	406.4
204+00			4.2	414.9	406.8
203+70			3.8	415.3	407.0
203+50			4.2	414.9	407.0
CHECK TBM.			5.33	413.73 = 413.72	

STATION	ELEVATION	GRADE
T.B.M.	413.72	
203+50	414.8	407.6
203+00	414.9	407.1
202+50	414.7	407.1
202+00	414.2	407.2
201+50	414.8	407.2
201+00	414.9	407.3
200+50	415.2	407.3
200+00	415.4	407.4
199+50	415.9	408.0
199+00 T.P.	416.01	408.6
198+50	416.8	409.1

SAME PARTY

12/31/57

C 8 1
C 8 6
C 9 0
C 8 1
C 8 3
C 7 9 WLY. SIDE 10' OFFSET

100' R.P. HUB 203+45.89 F.B. 945-8

USED SELF READING ROD 1/3/58

100' R.P. 203+45.89 WEST

C 7 8 ELY. SIDE (10') WILLIAMS

C 7 8 & O'BRIEN

C 7 6 & COURTNEY

C 7 0

C 7 6

C 7 6

C 7 9

C 8 0

C 7 9

C 7 4

C 7 7

MONTGOMERY P.L. CONT.

STA.	Elev.	Grade
198+00	417.3	409.6
197+50	418.2	410.5
197+00	419.4	411.4
196+50	419.8	412.3
196+00	421.4	413.2
195+50	422.0	414.2
195+00	422.5	415.0
194+70.89	422.1	415.0
Check TBM	420.35 = 420.34	
T.B.M.		72.70
60+79.62	72.5	66.5
60+90	73.4	66.1
61+00	73.2	65.9
61+11.42	71.7	65.6
61+42.58	71.7	64.8
60+48.13	72.7	66.7
		72.70 = 72.70

SAME PARTY

70.

CLEAR
1/3/58

C 7 7
C 7 7
C 8 0
C 7 5
C 8 2
C 7 8
C 7 5

194+70.89 POT 100' R.P. Hub F.B. 945-8

1/6/58
See FB 940 P 12

Top Wly Rim Sewer MH 65 Rt 60+35.9

C 6 0
C 7 3 Begin encasement
C 7 3 End encasement
C 6 1
C 6 9
C 6 0

WEST
WILLIAMS
O'BRIEN
& COURTNEY

M.P.L. Cont

(10) STKS 184+00 to 195

STATION	ELEV.	GRADE
T.B.M.	415.19	
184+50	415.6	407.6
+61.67	415.5	407.6
+93.17	415.2	407.5
185+00	415.2	407.4
+50	414.7	407.2
186+00	414.3	406.9
+50	414.1	406.4
+90	413.2	406.4
187+00	413.2	406.3
+50	413.5	406.1
188+00	413.5	405.7
+50	414.5	405.5
189+00	414.6	405.2
+50	414.7	404.9
+97.14	414.8	404.6
190+28.65	412.7	403.7
+50	411.8	402.8
T.P. 91.61	409.58	401.8
191+23.15	408.7	401.4
+54.67	408.6	401.4

West
Williams
T O'Brien
& Courtney

PARTLY CLOUDY
1-6-58

184+08 14 Planste
Turn on ℄ Hub See page 23

C8 0
C7 9
C7 7
C7 8
C7 5
C7 4
C7 7
C6 8
C6 9
C7 4
C7 8
C9 0
C9 4
C9 8
C9 4
C9 0
C9 0
C7 8
C7 3
C7 1

M.P.L. CONT.

STATION	ELEV.	GRADE
191+86.21	408.9	401.8
192+17.76	409.8	403.0
192+49.26	410.8	404.5
193+00	413.2	406.9
T.P. +50	415.18	409.3
194+00	418.3	411.7
+50	421.3	414.1
+69.51	422.2	415.0
CHECK T.B.M.	420.33 = 420.35	
NOTE: Grades from United Pipe Plans		418.20
206+65 84	414.0	405.4
+97 41	413.8	406.2
207+28 90	414.9	407.0
+60 13	415.9	408.2
+91 98	417.6	410.0
208+23 21	420.3	412.0
+54 89	422.05	414.1
+86 26	423.2	415.4
~~209+17 75~~		

SAME PARTY

11/6/58

C7 1
C6 8
C6 3
C6 3
C5 9
C6 6
C7 2
C7 2

100' R.P. HUB SEE PAGE 70

11/7/58

Plans

208+00 T.P. See Page 68

C8 6
C7 6
C7 9
C7 1
C7 6
C8 3
C8 0 Turn on Bipod
C7 6

M.P.L. Cont.

	422.05			
209+17 75	423.7	416.2	C7 5	
210+43 53	422.1	414.8	C7 3	
+74 57	419.6	412.0	C7 6	
210+00	423.15 =	423.1	See page 68	
1.14	86.07	84.93	See page 74	
31+00	10.54	75.53 66.00	C 9 53	5 Pks Mission Gorge Road for Jacked encasement
31+50	10.82	75.25 66.00	C 9 25	
31+25	10.24	75.83 66.00	C 9 83	
	11.79	74.28 =	74.27 Chis A on Hdwall Culvert See page 44	
T.B.M.	415.19	184+08 ℄ Hub	See page 23	8-1-58 West Williams & O'Brien & Courtney
183+98.67	414.6	407.6	C7 0	
183+67.46	412.6	405.5	C7 1	
183+50	411.3	403.9	C7 4	
T.P 183+00	407.06	399.7	C7 4	
182+50	402.8	395.6	C7 2	
182+10.45	399.6	392.4	C7 2	
181+79.01	398.6	390.4	C8 2	
181+50	398.4	390.4	C8 0	
181+16.01	398.0	390.4	C7 6	
180+84.51	398.8	390.4	C8 4	

M.P.L. CONT.

SAME PARTY

1/8/58

STATION	ELEV.	GRADE	CUT
180+53.02	398.7	390.8	C 7 9
180+00	400.2	392.6	C 7 6
179+90.06	400.9	393.0	C 7 9
179+50	402.1	394.3	C 7 8
T.P. 178+95.58	404.88	396.3	C 8 6
178+64.08	406.0	397.8	C 8 2
178+50	406.7	398.6	C 8 1
178+00	409.9	401.5	C 8 4
T.P. 177+50	412.29	404.6	C 7 7
177+00	415.1	407.6	C 7 5
176+44	413.8	411.0	C 2 8
176+35.89 ℄	413.2	411.0	C 2 2
176+35.89 ℄	414.7	411.0	C 3 7
T.P.	418.11		
CHECK T.B.M	421.28 = 421.26		

WEST
WILLIAMS
π O'BRIEN
& COURTNEY

1/9/58

ELY (10')

SLY. (10)

CITY ENGR. HUB

SEE PAGE 21

MONTGOMERY P.L.

STATION	ELEV.	GRADE
T.B.M.	62.58	
65+94.04 ℄	67.3	51.9
66+17.97	65.8	51.7
66+33.97	64.8	51.4
66+50	64.1	50.3
66+97.64	60.3	46.9
67+13.61	59.4	46.0
67+50 B.C.	60.3	46.0
67+79.44 B.C.	59.9	46.0
67+93.53	60.2	46.0
68+09.43	60.8	46.6
68+50 T.P.	65.46	50.1
69+00	71.7	54.5
69+04.84	71.9	54.9
69+11.99 E.C.	72.1	55.5
T.P.	65.46	
CHECK T.B.M.	62.56 = 62.58	
CHECK 69+50	63.77 = 63.81	

WEST
WILLIAMS
O'BRIEN &
COURTNEY

PARTLY CLOUDY
1/9/58

F.B. 939-66 69+37.91 AH = 70+29.47 BK

C15 4
C14 1
C13 4
C13 8
C13 4
C13 4
C14 3
C13 9
C14 2
C14 1
C15 4
C17 2
C17 0
C16 6

(STKS. ARE ON 25' OFFSET N. & Y.
THIS IS AREA NO. OF DAIRY ON
ZION ST.)

PAGE 14

MPL Cont

	5.34	110.43		105.09
0+60			7.4	103.0 98.3
1+00			7.2	103.2 98.3
+50			5.8	104.6 98.3
+98 05			4.0	106.4 98.3
2+29 55			1.0	109.4 100.4
	13.01	122.42	1.02	109.41
2+60 63			8.1	114.3 104.8
+91 33			1.5	120.9 112.1
	12.75	134.98	0.19	122.23
3+07 66	130		10.5	124.5 115.6
+22 40			7.4	127.6 118.5
+52 88	12.43	146.92	0.49	134.49 124.9
+83 98			7.4	139.5 130.9
4+15 15			0.0	146.9 134.5
+46 13	259	148.75	0.76	146.16 137.6
4+77 02			0.6	148.2 140.4
+81 36	EC		0.6	148.2 140.8
			8.85	139.90 =

West
T W. Williams
O Biner
+ Courtney

11/13/58

Brl City BM # 25 See page 2

C 4 7
C 4 9
C 6 3
C 8 1
C 9 0

Turn on (10) 2+29 53

C 9 5
C 8 8

C 8 9
C 9 1
C 9 6 Turn on Binney
C 9 1
C 12 4
C 8 6 Turn on Binney
C 7 8
C 7 4 Change Stake
139.89 TBM in PP

MONTGOMERY Pipe Line Cont

Stns for (10) Line

West
Williams
O'Brien
Courtney

1/13-58

	10.43	150.32		139.89	TBM Nail in power pole See Page 3
5+10	52		0.3	150.0	142.5	C 7 5
5+50			0.3	150.0	142.7	C 7 3
+73	55		1.0	149.3	141.6	C 7 2
6+05	02		2.5	147.8	140.2	C 7 6
+36	35		5.4	144.9	136.8	C 8 1
+67	43		9.6	140.7	132.7	C 8 0
	0.34	137.85	12.81	137.51		
+98	66		1.4	136.3	128.4	C 7 9 C 7 5
7 +29	66		6.3	131.6	122.7	C 8 9
	0.35	(126.10)	12.10	125.75		
+60	63		1.9	124.2	117.0	C 7 3
+9,	81		12.2	113.9	106.2	C 7 1
8+05			16.1	111.0 / 110.0	98.0 / 98.8	C 13 0 / C 12 0
+21,	10		16.7	109.4	98.0	C 11 4
+37			14.3	111.8	98.0	C 13 8
+5,	52		11.5	114.6	102.9	C 11 2
+70			7.7	118.4	109.0	C 9 4
+8,	22		6.1	120.0	110.8	C 9 2
+90			5.8	120.3	112.0	C 8 3

70
57

131.6
+ 4.3
135.9 128.4 5

150.87
139.89
11 0.0

111.8

111.8
- 2.4
109.4

M.P.L. CONT.

SAME PARTY

11/13/58

	126.10				
9+10 72		6.9	119.2	111.7	C 7 5
+41 01		10.7	115.4	108.2	C 7 2
0.19	114.29	12.00	114.10		
+71 96		3.7	110.6	103.3	C 7 3
10+00		7.6	106.7	100.1	C 6 6
+31 21 BC		11.4	102.9	96.5	C 6 4
+34 56		11.5	102.8	96.2	C 6 E
0.15	101.65	12.79	101.50		
+65 89		1.9	99.8	92.8	C 7 0
+96 97		5.9	95.8	89.3	C 6 5
11+30		9.8	91.9	86.0	C 5 9
11+40 OA 0.53 EC	91.19	10.99	90.66		
+60 40		2.7	88.5	81.0	C 7 5
+91 42		6.4	84.8	75.6	C 9 2
12+22 64		11.1	80.1	71.3	C 8 8
1.97	80.08	13.08	78.11		
+54 20		2.6	77.5	69.8	C 7 7
13+00		3.4	76.7	69.4	C 7 3
+50		3.9	76.2	69.0	C 7 3
+80 20		4.0	76.1	68.8	C 7 3

9+10 72
81 72
29 00

99.8
+2.6
102.4 96.2 = CC2

Turn on Hub (10') EC

	80.08			
14+11 60		4.3	75.8	68.6
+43 08		4.6	75.5	67.5
+74 56		4.9	75.2	66.6
10.10	85.69	4.49	75.59	=
15+00		10.8	74.9	66.6
+50		10.9	74.8	66.6
16+00		10.8	74.9	66.6
16+20		9.2	75.8	66.6
+32 01		9.3	75.4	67.6
+63 40		6.8	78.9	70.2
16+72		5.9	79.8	71.0
+94 51		2.7	83.0	75.2
17.84	98.19	0.34	85.35	
17+25 43		10.3	87.9	81.1
+56 54		6.3	91.9	84.8
+87 87		2.7	95.5	88.1
18+19 25		1.3	96.8	90.7
+50 57		0.9	97.2	91.5
+82 07		0.0	98.2	91.5
19+13 57		1.42	96.77	91.5

11

C 7 2

C 8 0

C 8 4

75.59 TBM ½ IP See page 5

C 8 3

C 8 2

C 8 3

C 9 2

C 7 8

C 8 7

C 8 8

C 7 8

74.9
5
74.1 66.6 7 8

C 6 2

C 7 1

C 7 4

C 6 1

C 5 7

C 6 7

C 5 3

Cont in FB 945 page 21

Turn on (10) Binney

	4.39	150.55	146.16
5+10 52		0.55	150.0 142.5
4+77		2.40	148.2 140.6
4+15 15		3.61	147.0 134.5

JSM 4+46 43

@ 75

@ 76

@12 5

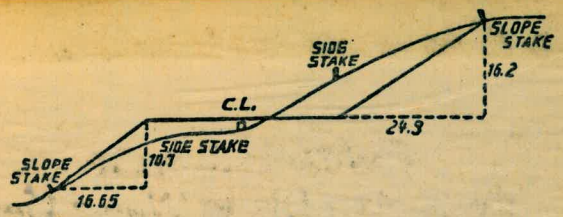
ING.

.9	
1.35	0
2.85	1
4.35	2
5.85	3
7.35	4
8.85	5
0.35	6
1.85	7
3.35	8
4.85	9
6.35	10
7.85	11
9.35	12
0.85	13
2.35	14
3.85	15
5.35	16
6.85	17
8.35	18
9.85	19
1.35	20
2.85	21
4.35	22
5.85	23
7.35	24
8.85	25
0.35	26
1.85	27
3.35	28
4.85	29
6.35	30
7.85	31
9.35	32
0.85	33
2.35	34
3.85	35
5.35	36
6.85	37
8.35	38
9.85	39
1.35	40
2.85	41
4.35	42
5.85	43
7.35	44
8.85	45
0.35	46
1.85	47
3.35	48
4.85	49
6.35	50

Please Return to
City of San Diego Water Dept.
Room 903 Civic Center

101+00
99+78.35
1 21.65

93+47.08
1 21.65
92+25.43



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.

SLOPE 1½ TO 1. ROADWAY OF ANY WIDTH.

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

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