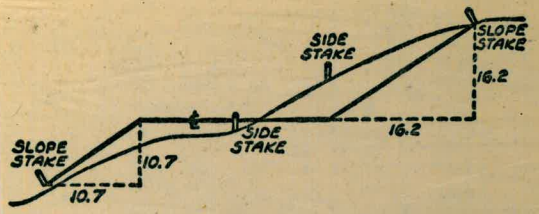


Distances from Side Stakes for Cross-Sectioning

Slope 1 to 1. Roadway of Any Width

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

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

TABLE XIII—CORRECTIONS FOR TANGENTS AND EXTERNALS

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

FOR TANGENTS ADD

Central Angle	Degree of Curve													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	03	.06	09	13	16	19	.22	.25	.28	.31	34	38	42	.46
15°	04	10	14	19	24	.29	.34	.39	45	.51	.53	58	.63	.68
20°	06	.13	19	26	.32	.39	.45	.51	.58	.65	.72	79	.84	.90
25°	.08	16	24	.33	40	49	.58	67	.75	.83	90	.99	1.06	1.14
30°	10	19	.29	39	49	.59	.69	79	.89	.99	1.09	1.20	1.29	1.39
35°	11	22	.34	47	.58	.69	.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

ALVARADO 2nd RESERVOIR, BASELINE 2

" " " , X-SECTS 3-68

EARL THOMAS RES.

STKS. FOR BUTT. BLOCKS ELY SIDE S.E. COR. alice 72

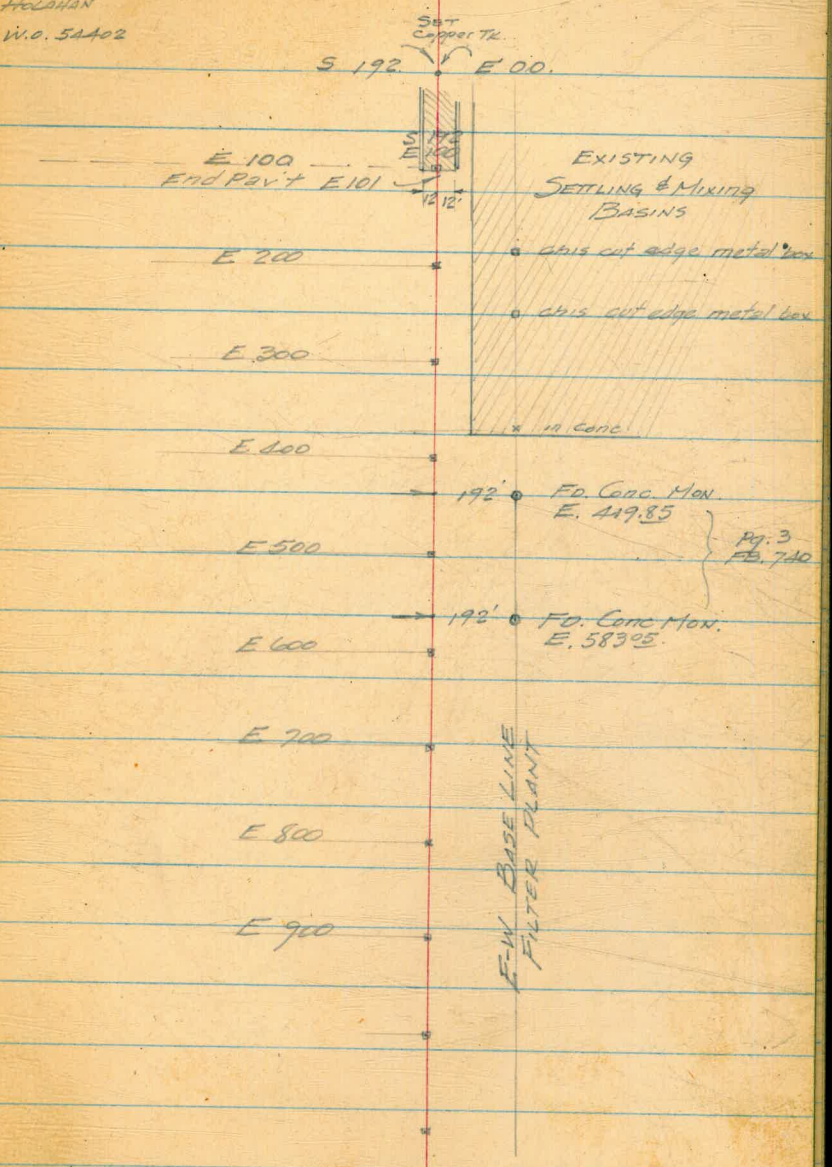
ALVARADO 2nd RESERVOIR
BASE LINE
FOR
Cross-Section Grid

583.05
419.85
163.20

Sept. 28 1955

BEATTY
SHORBY
MARTELL
KEMP
HOLOHAN

W.O. 54402



ALVARADO 2nd RESERVOIR (Cont'd.)
TRIAL CROSS-SECTIONS to check Contours.

BM	1.49	539.96		538.47
SET TBM	3.44	533.03	10.37	529.59
S 192, E 100			2.9	530.1
S 224, E 100			5.0	528.0
S 247.5, E 100			7.0	526.0
S 292.3, E 100			9.0	524.0
S 342, E 100			11.0	522.0
S 374.2, E 100			13.0	520.0
TP	0.90	520.89	13.04	519.99
S 410, E 100			2.9	518.0
S 436.5, E 100			4.9	516.0
S 458.4, E 100			6.9	514.0
S 476, E 100			8.9	512.0
S 497.5, E 100			10.7	510.0
S 519, E 100			12.9	508.0
TP	1.72	509.46	13.15	507.74
S 533.2, E 100			3.5	506.0
S 541.5, E 100			5.5	504.0
S 546.3, E 100			7.5	502.0
S 552, E 100			9.5	500.0
S 557, E 100			11.5	498.0
TP	3.24	499.62	13.08	496.38

9/28/55

3.

CONC MON 583 E 00 N FB 740 pg. 6.

¾" HUB 192' S - 4+00 E.

H.I. 499.62

S 563, E 100	3.6	496.0	
S 569, E 100	5.6	494.0	
S 579.5, E 100	7.6	492.0	
S 591, E 100	9.6	490.0	
S 594.5, E 100	10.1	489.5	Cyclone Fence
TP	6.14	493.48	Nail in tree

{NOTE: CONT. ON PAGE 54.}

TBM	3.50	533.09		529.59
S 204 E 100	Top curb		2.78	530.31
S 204 E 100	Gutter		3.20	529.89
S 192 E 100	℄ A.C.		2.95	530.14
S 180 E 100	Gutter		2.87	530.22
S 180 E 100	Top curb		2.39	530.70
S 154.2 E 100	Edge Bldg		1.1	532.0

ALVARADO 2nd RES.
X-SECTION E 500

TBM	1.42	531.01		529.59
S.192, E.500			2.2	528.8
S.208½, E.500			3.0	528.0
S.243, E.500			5.0	526.0
S.283½, E.500			7.0	524.0
S.305, E.500			9.0	522.0
S.339, E.500			11.0	520.0
S.356, E.500			13.0	518.0
TP	0.99	519.19	12.81	518.20
S.375½, E.500			3.2	516.0
S.396, E.500			5.2	514.0
S.416, E.500			7.2	512.0
S.423, E.500			9.2	510.0
S.432, E.500			11.2	508.0
S.437.5, E.500			13.2	506.0
TP	1.87	507.97	13.09	506.10
S.444.5, E.500			4.0	504.0
S.458, E.500			6.0	502.0
S.467½, E.500			8.0	500.0
S.476, E.500			10.0	498.0
S.483, E.500			12.0	496.0
S.488 E.500			14.0	494.0
TP	2.76	497.42	13.31	494.66

9/28/55

4.

X-SECTION E 500 (Contd)

¾" HUB S.192, E.4+00			
H.I.		497.42	
S.497, E.500		5.4	492.0
S.504.3 E.500		6.9	490.5	Bott. of Gully
S.521, E.500		5.4	492.0
S.522, E.500		3.4	494.0
S.534.5, E.500		1.4	496.0
TP	11.05	507.15	1.32	496.10
S.544, E.500			7.2	498.0
S.568.5, E.500			7.2	500.0
S.579.5, E.500			5.2	502.0
S.598, E.500			3.2	504.0
S.620.5 E.500			1.2	506.0
TP	7.57	514.58	0.14	507.01
S.653, E.500			6.6	508.0
S.684, E.500			4.6	510.0
S.740, E.500			5.5	509.1
S.775, E.500			4.9	509.7	FENCE LINE
TP	7.03	519.34	2.27	512.31	7+25 15'Lt. NAIL IN TREE
S.781 E.500			9.3	510.0
S.790 E.500			9.3	510.0
S.792 E.500			8.5	510.8
S.738 E.500 A.C. PAVT. MUERAY			8.0	511.3
			7.03	512.31 = 512.31

9/30/55
SHOREY
MARTELL
KEMP
HOLOHAN.

CROSS SECTION 1+20 E.

2' CONTOURS

TBM	2.33	531.92		529.59
S.154 2 = E.120		Edge of Bldg.	0.1	531.8
S.192 E.120			2.5	529.4
S.221 E.120			3.9	528.0
S.243 E.120			5.9	526.0
S.287 7 E.120			7.9	524.0
S.346 E.120			9.9	522.0
S.381 5 E.120			11.9	520.0
TP E.120	1.74	520.50	13.16	518.76
S.418 7 E.120			2.5	518.0
S.441 6 E.120			4.5	516.0
S.459 E.120			6.5	514.0
S.479 5 E.120			8.5	512.0
S.496 E.120			10.5	510.0
S.513 7			12.5	508.0
TP E.120	1.41	508.86	13.05	507.45
S.531 4 E.120			2.9	506.0
S.539 5 E.120			4.9	504.0
S.546 5 E.120			6.9	502.0
S.552 E.120			8.9	500.0
S.556 5 E.120			10.9	498.0
S.562 7 E.120			12.9	496.0
TP	1.94	497.51	13.29	495.57

X-SECTION E 120 (Cont.d)

¾" Hub S.122, E.4+00.

H.I. 497.51

S.567 6 E.120		3.5	494.0
		4.01	493.50 = CK. TP Pg. 3 493.48
S.578 2 E.120		5.5	492.0
S.592 E.120		7.5	490.0
S.600 E.120		9.5	488.0
S.601 8 E.120	FENCELINE	9.5	488.0

NOTE:
CONT. ON PAGE 55.

ALVARADO 2nd RES.
X-SECTION - 140 E

TBM	3.50	533.09		529.59	3/4" Hub 3192 E400
S 154 E 140	Edge of Bldg.		1.5	531.6	
S 181 E 135	℄ M.H	S. Rim	3.23	529.86	
S 192 E 140			4.1	529.0	
S 214 E 140			5.1	528.0	
S 220 E 140			5.3	527.8	
S 230 E 140			6.8	526.3	
S 238 E 140			7.1	526.0	
S 283 E 140			9.1	524.0	
S 339 E 140			11.1	522.0	
S 387 E 140			13.1	520.0	
P	2.05	521.89	13.25	519.84	
S 418 E 140			3.9	518.0	
S 442 E 140			5.9	516.0	
S 464 E 140			7.9	514.0	
S 481 E 140			9.9	512.0	
S 495 E 140			11.9	510.0	
P	0.61	509.30	13.20	508.69	
S 512 E 140			1.3	508.0	

9/30/55

X-SECTION (Cont.d) 140 E.

509.30

S 531 E 140			3.3	506.0
S 529 E 140			5.3	504.0
S 545 E 140			7.3	502.0
S 550 E 140			9.3	500.0
S 555 E 140			11.3	498.0
S 562 E 140			13.3	496.0
P	1.48	497.75	13.03	496.27
S 568 E 140			3.75	494.0
S 579 E 140			5.75	492.0
S 589 E 140			7.75	490.0
S 603 E 140			9.75	488.0
S 606 E 140			11.75	486.0
S 608 5 E 140	Fenceline		12.55	485.2
CK P			4.23	493.52 = 493.48
Set TBM @ Fen post conc.			12.27	485.48

NOTE:
CONT. ON PAGE 56.

ALVARADO 2nd RES.
X-SECTION E 160

				Top Curb S 204 E 100
PI	1.74	532.05	530.31	
S 154 E 160			0.9	531.2
S 177 E 160			2.1	530.0
S 192 E 160			3.1	529.0
S 217 E 160			4.1	528.0
S 241 E 160			6.1	526.0
S 287 E 160			8.1	524.0
S 336 E 160			10.1	522.0
S 385 E 160			12.1	520.0
PI	1.59	520.49	13.15	518.90
S 420 E 160			2.5	518.0
S 440 E 160			4.5	516.0
S 460 E 160			6.5	514.0
S 478 E 160			8.5	512.0
S 491 E 160			10.5	510.0
S 506 E 160			12.5	508.0
PI	0.43	507.60	13.32	507.17
S 524 E 160			1.6	506.0
S 536 E 160			3.6	504.0

X-SECTION E 160 (Cont'd)

507.60

S 544 E 160			5.6	502.0
S 549 E 160			7.6	500.0
S 553 E 160			9.6	498.0
S 561 E 160			11.6	496.0
PI	1.32	495.95	12.97	494.63
S 568 E 160			1.95	494.0
S 580 E 160			3.95	492.0
S 591 E 160			5.95	490.0
S 603 E 160			7.5	488.5
S 605 E 160			7.75	488.0
S 610 E 160			9.95	486.0
S 612 E 160			11.95	484.0
S 615 E 160	4' Fence line		13.7	482.3

NOTE: CONT. ON PAGE 57

OR PI			10.47	485.48 = 485.48

ALVARADO 2ND RES.

X-SECTION E.180

TBM	1.25	531.56		530.31
S.154 E.180	Edge of BLDG.		0.4	531.2
S.175 E.180			1.6	530.0
S.192 E.180			2.4	529.2
S.219 E.180			3.6	528.0
S.241 E.180			5.6	526.0
S.282 E.180			7.6	524.0
S.334 E.180			9.6	522.0
S.374 E.180			11.6	520.0
	TP 0.11	518.45	13.22	518.34
S.417 E.180			0.5	518.0
S.439 E.180			2.5	516.0
S.456 E.180			4.5	514.0
S.474 E.180			6.5	512.0
S.490 E.180			8.5	510.0
S.508 E.180			10.5	508.0
S.525 E.180			12.5	506.0
	TP 1.73	507.16	13.02	505.43
S.537 E.180			3.2	504.0
S.545 E.180			5.2	502.0
S.550 E.180			7.2	500.0
S.556 E.180			9.2	498.0

X-SECTION E.180 (CONT'D)

Top Cb.		507.16		
S.564 E.180			11.2	496.0
S.570 E.180			13.2	494.0
	TP 0.73	494.65	13.26	493.90
S.578 E.180			2.7	492.0
S.592 E.180			4.7	490.0
S.600 E.180			5.9	488.8
S.604 E.180			6.7	488.0
S.609 E.180			8.7	486.0
S.615 E.180			11.7	484.0
S.619 E.180			12.7	482.0
S.622.6 E.180	AT FENCE LINE		14.2	480.5

NOTE: CONT. ON PAGE 58.

CK. TP	1.24	494.72	1.15	493.50 = 493.48
SET TBM - NAIL IN TREE S.617 E.220			12.11	482.61

ALVARADO 2nd RES.

X-SECTION E.200

TBM	2.22	532.53		530.31
S.154[2] E.200		Edge of BLDG.	1.5	531.0
S.176[E] E.206	@	WATER DEPT. MH.	2.42	530.11 S. BM
S.172 E.200			2.5	530.0
S.192 E.200			3.5	529.0
S.220 E.200			4.5	528.0
S.236 E.200			6.5	526.0
S.279 E.200			8.5	524.0
S.323 E.200			10.5	522.0
S.367 E.200			12.5	520.0
TP	0.56	519.88	13.21	519.32
S.404 E.200			14.2	518.0
S.427 E.200			15.2	516.7
S.436 E.200			15.9	516.0
S.454 E.200			17.9	514.0
S.473 E.200			19.9	512.0
S.491 E.200			21.9	510.0
S.508 E.200			23.9	508.0
TP	0.03	506.82	13.09	506.79
S.524 E.200			0.8	506.0
S.533 E.200			2.8	504.0
S.544 E.200			4.8	502.0

10/3/55

9.

X-SECTION E.200 (CONT'D)

Top Cb.

H.I. 506.82

S.549 E.200		6.8	500.0
S.555 E.200		8.8	498.0
S.562 E.200		10.8	496.0
S.568 E.200		12.8	494.0
TP	0.57 494.03	√3.36	493.46
S.578 E.200		2.0	492.0
S.589 E.200		4.0	490.0
S.602 E.200		5.5	488.5
S.604 E.200		6.0	488.0
S.609 E.200		8.0	486.0
S.614 E.200		10.0	484.0
S.622 E.200		12.0	482.0
TP	8.22 489.40	12.85	481.18
S.624 E.200		9.4	480.0
S.625 E.200		10.6	478.8
S.628[3] E.200	FENCE LINE	10.9	478.5
CK. TBM	PG. 8	6.76	482.64 = 482.61

NOTE: CONT. ON PAGE 59.

ALVARADO 2nd RES.
X-SECTION E.220

TBM		1.67	531.98	530.31
S.166 E.220	Edge BLDG		1.8	530.2
S.174 E.217	& M.H.	S.R.M	1.83	530.15
S.178 E.217	& F.H.			
S.181 E.217	& G.V.	TOP CAP	2.02	529.96
S.192 E220			2.9	529.1
S.224 E.220			4.0	528.0
S.236 E.220			6.0	526.0
S.277 E.220			8.0	524.0
S.322 E.220			10.0	522.0
S.361 E.220			12.0	520.0
	TP	0.11	578.96 13.13	518.85
S.390 E.220			1.0	518.0
S.431 E.220			3.0	516.0
S.453 E.220			5.0	514.0
S.473 E.220			7.0	512.0
S.490 E.220			9.0	510.0
S.508 E.220			11.0	508.0
S.522 E.220			13.0	506.0
	TP	0.62	506.47 13.11	505.85
S.531 E.220			2.5	504.0
S.539 E.220			4.5	502.0

S.540 TREE LINE

10/3/55

10.

X-SECTION E.220
(CONT'D)

Top Cb.				
	H.I. 506.47			
S.547 E.220			6.5	500.0
S.553 E.220			8.5	498.0
S.558 E.220			10.5	496.0
S.565 E.220			12.5	494.0
	TP	0.52 493.88	13.11	493.36
S.577 E.220			1.9	492.0
S.590 E.220			3.9	490.0
S.603 E.220			5.9	488.0
S.608 E.220			7.9	486.0
S.614 E.220			9.9	484.0
S.621 E.220			11.9	482.0
	CK. TBM		11.24	482.64 = 482.61
TP		1.52 483.24	12.16	481.72
S.627 E.220			3.2	480.0
S.628 E.220			3.9	479.3
S.630 E.220			5.2	478.0
S.634 E.220			6.6	476.6
S.636 E.220	FENCE LINE		7.0	476.2
SET TBM	NAIL IN TREE	S.632 E.260	7.39	475.85

NOTE CONT'D PAGE 60

ALAVARADO 2nd RES

X-SECTION E.240

TBM	1.17	531.48		530.31
S.154 E.240	Edge BLDG		0.5	531.0
S.177 E.231	℄ M.H.	S. RIM	1.31	530.17
S.174 E.240			0.8	530.7
S.192 E.240			2.5	529.0
S.222 E.240			3.6	528.0
S.235 E.240			5.5	526.0
S.279 E.240			7.5	524.0
S.320 E.240			9.5	522.0
S.353 E.240			11.5	520.0
	TP 0.40	518.85	13.03	518.45
S.390 E.240			0.9	518.0
S.422 E.240			2.9	516.0
S.450 E.240			4.9	514.0
S.479 E.240			6.9	512.0
S.492 E.240			8.9	510.0
S.509 E.240			10.9	508.0
S.520 E.240			12.9	506.0
	TP 1.01	506.56	13.30	505.55
S.535 E.240			2.6	504.0
S.537	TREE LINE			
S.542 E.240			4.6	502.0
S.548 E.240			6.6	500.0

10/3/55

SHOBEY
MARTEL
KEMP

X-SECTION E.240 (CONT'D)

11.

Top Cb.		506.56		
S.555 E.240			8.6	498.0
S.563 E.240			10.6	496.0
S.570 E.240			12.6	494.0
	TP 0.72	494.04	13.24	493.32
S.578 E.240			2.0	492.0
S.586 E.240			3.0	491.0
S.592 E.240			4.0	490.0
S.603 E.240			5.5	488.5
S.604 E.240			6.0	488.0
S.609 E.240			8.0	486.0
S.614 E.240			10.0	484.0
S.621 E.240			12.0	482.0
	TP 2.98	484.78	12.24	481.80
S.627 E.240			4.8	480.0
S.632 E.240			6.8	478.0
S.634 E.240			8.0	476.8
S.637 E.240			8.8	476.0
S.643 E.240	FENCE LINE		9.4	475.4
CK. TBM.			8.95	475.83 = 475.85

NOTE: CONT'D ON PAGE 61

ALVARADO 2ND RES.
X-SECTION E.260

TBM 3.14		532.73	529.59
S.154 E.260		1.8	530.9
S.173 E.260		2.7	530.0
S.192 E.260		3.8	528.9
S.221 E.260		4.7	528.0
S.235 E.260		6.7	526.0
S.282 E.260		8.7	524.0
S.319 E.260		10.7	522.0
S.347 E.260		12.7	520.0
TP 0.16	519.91	12.98	519.75
S.378 E.260		1.9	518.0
S.410 E.260		3.9	516.0
S.440 E.260		5.9	514.0
S.466 E.260		7.9	512.0
S.475 E.260		9.9	510.0
S.504 E.260		11.9	508.0
TP 0.61	507.35	13.17	506.74
S.519 E.260		1.4	506.0
S.529 E.260		3.4	504.0
S.530 TREE LINE			
S.540 E.260		5.4	502.0
S.548 E.260		7.4	500.0
S.557 E.260		9.4	498.0

10/3/55
SHOREY
MARTEL
KEMP

X-SECTION (CONT'D)

12.

3/4" HUB 400 E, 5192 (-0.09 diff)

H.I. 507.35

S.563 E.260		11.4	496.0
TP 0.87	495.13	13.09	494.26
S.572 E.260		1.1	494.0
S.578 E.260		3.1	492.0
S.590 E.260		5.1	490.0
S.600 E.260		7.1	488.0
S.605 E.260		9.1	486.0
S.610 E.260		11.1	484.0
S.617 E.260		13.1	482.0
TP 1.83	483.84	13.12	482.01
S.623 E.260		3.8	480.0
S.628 E.260		5.8	478.0
S.632 E.260		7.8	476.0
S.639 E.260		9.2	474.6
S.643 E.260		8.2	475.6
S.650 FENCE LINE		8.6	475.2
CK. TBM		8.12	475.72 = 475.85

NOTE: CONT'D ON PAGE 62

ALVARADO 2ND RES.

X-SECTION E. 280

TBM	2.03	531.62	529.59
S. 154 ± E. 280		0.5	531.5
S. 179 E. 280		1.6	530.0
S. 192 E. 280		2.8	528.8
S. 231 E. 280		3.6	528.0
S. 250 E. 280		5.6	526.0
S. 281 E. 280		7.6	524.0
S. 318 E. 280		9.6	522.0
S. 349 E. 280	TP 0.05	518.58	11.6 522.0 520.0 GA 13.09 518.53
S. 381 E. 280			0.6 518.0
S. 407 E. 280			2.6 516.0
S. 435 E. 280			4.6 514.0
S. 463 E. 280			6.6 512.0
S. 482 E. 280			8.6 510.0
S. 502 E. 280			10.6 508.0
S. 516 E. 280	TP 0.43	506.13	12.6 506.0
S. 528 E. 280	S. 524 TREE LINE		12.88 505.70 2.1 504.0
S. 538 E. 280			4.1 502.0
S. 548 E. 280			6.1 500.0
S. 557 E. 280			8.1 498.0

10/3/55

SHOREY
MARTELL
KEMP

X-SECTION E. 280 (CONT'D)

3/4" H/B S. 172, E. 400
506.13

S. 564 E. 280		10.1	496.0
S. 572 E. 280	TP 0.77	493.88	12.1 494.0 13.02 493.11
S. 580 E. 280		1.7	492.0
S. 586 E. 280		3.7	490.0
S. 594 E. 280		5.7	488.0
S. 610 E. 280		7.7	486.0
S. 626 E. 280		9.7	484.0
S. 613 E. 280	TP 2.46	483.41	11.7 482.0 12.93 480.95
S. 620 E. 280			3.4 480.0
S. 627 E. 280			5.4 478.0
S. 633 E. 280			7.4 476.0
S. 644 E. 280			8.2 475.2
S. 646 E. 280			7.4 476.0
S. 649 E. 280			6.3 477.1
S. 656 ± E. 280	FENCE LINE		5.6 477.8
OK. TBM.			7.60 475.81 ± 475.85

NOTE: CONT'D ON PAGE 63

ALVARADO 2nd RES.
X-SECTION E.300

TBM	2.11	531.70		529.59
S.154 E.300			0.9	530.8
S.177 E.300			1.7	530.0
S.192 E.300			2.6	529.1
S.221 E.300			3.7	528.0
S.239 E.300			5.7	526.0
S.281 E.300			7.7	524.0
S.322 E.300			9.7	522.0
S.352 E.300	TP 0.39	518.73	11.7 13.36	520.0 518.34
S.373 E.300			0.7	518.0
S.401 E.300			2.7	516.0
S.433 E.300			4.7	514.0
S.461 E.300			6.7	512.0
S.481 E.300			8.7	510.0
S.500 E.300			10.7	508.0
S.511 E.300			12.7 12.96	506.0 505.77
S.515 · TREE LINE	TP 1.86	507.63		
S.526 E.300			3.6	504.0
S.538 E.300			5.6	502.0
S.546 E.300			7.6	500.0
S.555 E.300			9.6	498.0

X-SECTION E.300 (CONT'D)

¾" H.I.B. S.192, E.400	5.07.63		
S.564 E.300		11.6	496.0
	TP 0.80 495.28	13.15	494.48
S.572 E.300		1.3	494.0
S.580 E.300		3.3	492.0
S.586 E.300		5.3	490.0
S.594 E.300		7.3	488.0
S.600 E.300		9.3	486.0
S.606 E.300		11.3	484.0
S.613 E.300		13.3	482.0
	TP 4.96 486.93	13.31	481.97
S.619 E.300		6.9	480.0
S.624 E.300		8.9	478.0
S.628 E.300		10.9	476.0
S.629 E.300		11.6	475.3
S.645 E.300		11.6	475.3
S.647 E.300		10.9	476.0
S.650 E.300		8.9	478.0
S.652 E.300		6.9	480.0
S.655 E.300		5.7	481.2
S.660 E.300	NOTE: CONT'D ON PAGE 64	6.4	480.5
S.663 E.300	FENCE LINE	6.0	480.9
SET TBM NAIL IN TREE	{S.650 E.360}	0.17	486.76
CK-TBM		11.12	475.81 / 475.83 =

ALVARADO 2nd RES.
X-SECTION E. 320

TBM	1.75	531.34	529.59	¾" HUB S 182 E 400
S 154 E 320	Edge BLDG.	0.4	530.9	
S 177 E 320		1.3	530.0	
S 192 E 320		2.0	529.3	
S 217 E 320		3.3	528.0	
S 243 E 320		5.3	526.0	
S 283 E 320		7.3	524.0	
S 322 E 320		9.3	522.0	
S 352 E 320		11.3	520.0	
S 377 E 320		13.3	518.0	
TP 0.38	518.66	13.06	518.28	
S 405 E 320		2.7	516.0	
S 430 E 320		4.7	514.0	
S 456 E 320		6.7	512.0	
S 477 E 320		8.7	510.0	
S 495 E 320		10.7	508.0	
S 509 E 320		12.7	506.0	
S 512	TREE LINE	13.32	505.34	
TP 0.72	506.06			
S 519 E 320		2.1	504.0	
S 530 E 320		4.1	502.0	
S 540 E 320		6.1	500.0	
S 550 E 320		8.1	498.0	

10/4/55
SHOREY
MARTELL
KEMP
HOLOHAN

15

X-SECTION. E. 320 (CONT'D)

506.06

S 560 E 320		10.1	496.0
S 568 E 320		12.1	494.0
TP 0.54	494.00	12.60	493.46
S 575 E 320		2.0	492.0
S 581 E 320		4.0	490.0
S 589 E 320		6.0	488.0
S 596 E 320		8.0	486.0
S 603 E 320		10.0	484.0
S 610 E 320		12.0	482.0
TP 7.43	488.40	13.03	480.97
S 615 E 320		8.4	480.0
S 618 E 320		10.4	478.0
S 619 E 320		11.2	477.2
S 631 E 320		12.4	476.0
S 645 E 320		10.4	478.0
S 650 E 320		8.4	480.0
S 654 E 320		6.4	482.0
S 657 E 320		4.4	484.0
S 660 E 320		2.4	486.0
S 666 E 320		3.4	485.0
S 670 E 320	FENCE LINE	3.0	485.4
		1.63	486.77 = 486.76

OK. TBM

NOTE: CONT'D ON PAGE 65

ALVARADO 2ND RES.
X-SECTION E. 340

10/4/55
SHOREY
MARTELL
LEMP
HOLEMAN

TBM	1.86	531.45	529.59	3/8" HUB E. 400 S. 192
S. 154 E. 340			0.8	530.7
S. 181 E. 340			1.5	530.0
S. 192 E. 340			2.1	529.4
S. 221 E. 340			3.5	528.0
S. 245 E. 340			5.5	526.0
S. 281 E. 340			7.5	524.0
S. 320 E. 340			9.5	522.0
S. 354 E. 340			11.5	520.0
S. 380 E. 340			13.5	518.0
	TP 0.16	518.38	13.23	518.22
S. 409 E. 340			2.4	516.0
S. 426 E. 340			4.4	514.0
S. 453 E. 340			6.4	512.0
S. 472 E. 340			8.4	510.0
S. 489 E. 340			10.4	508.0
S. 502 E. 340	S. 502 TREELINE		12.4	506.0
	TP 0.40	505.77	13.01	505.37
S. 514 E. 340			1.8	504.0
S. 524 E. 340			3.8	502.0
S. 534 E. 340			5.8	500.0
S. 547 E. 340			7.8	498.0

X-SECTION. E. 340
(CONT'D)

		505.77		
S. 558 E. 340			9.8	496.0
S. 568 E. 340			11.8	494.0
	TP 0.99	493.59	13.17	492.60
S. 576 E. 340			1.6	492.0
S. 582 E. 340			3.6	490.0
S. 588 E. 340			5.6	488.0
S. 596 E. 340			7.6	486.0
S. 604 E. 340			9.6	484.0
S. 610 E. 340			11.6	482.0
	TP 8.23	489.12	12.70	480.89
S. 615 E. 340			9.1	480.0
S. 618 E. 340			11.1	478.0
S. 621 E. 340			11.6	477.5
S. 633 E. 340			11.6	477.5
S. 637 E. 340			11.1	478.0
S. 647 E. 340			9.1	480.0
S. 655 E. 340			7.1	482.0
S. 661 E. 340			5.1	484.0
S. 666 E. 340			3.1	486.0
S. 668 E. 340			2.1	487.0
S. 679 E. 340	FENCE LINE		1.1	488.0
	L PT. IN FENCE E. 333		2.33	486.79
CK. TBM				486.76

NOTE: CONT'D ON PAGE 66

ALVARADO 2nd RES.

X- SECTION E. 360

TBM	2.61	532.20	529.59	¾" HUB S.192 E.400
S.154 E.360	Edge BLDG.		1.3	530.9
S.178 E.360			2.2	530.0
S.192 E.360			3.0	529.2
S.214 E.360			4.2	528.0
S.245 E.360			6.2	526.0
S.286 E.360			8.2	524.0
S.319 E.360			10.2	522.0
S.357 E.360			12.2	520.0
	TP 0.29	519.54	12.93	519.27
S.383 E.360			1.6	518.0
S.411 E.360			3.6	516.0
S.428 E.360			5.6	514.0
S.443 E.360			7.6	512.0
S.465 E.360			9.6	510.0
S.482 E.360	S.492	TREE LINE	11.6	508.0
	TP 0.54	506.93	13.17	506.39
S.497 E.360			0.9	506.0
S.508 E.360			2.9	504.0
S.519 E.360			4.9	502.0
S.529 E.360			6.9	500.0
S.538 E.360			8.9	498.0

10/4/55
SHOREY
MARTELL
KEMP
HOLOHAN

X- SECTION E. 360 (CONT'D)

	506.93		
S.554 E.360		10.9	496.0
S.562 E.360		12.9	494.0
	TP 0.36 494.83	13.06	493.87
S.570 E.360		2.8	492.0
S.578 E.360		4.8	490.0
S.584 E.360		6.8	488.0
S.591 E.360		8.8	486.0
S.600 E.360		10.8	484.0
S.608 E.360		12.8	482.0
	TP 9.08 490.86	13.05	481.78
S.612 E.360		10.9	480.0
S.618 E.360		12.4	478.5
S.623 E.360		12.6	478.3
S.629 E.360		12.3	478.6
S.635 E.360		10.9	480.0
S.645 E.360	Edge Rock Spoil PILE	8.9	482.0
S.649 E.360	ON ROCK PILE	6.9	484.0
S.653 E.360	" " "	4.9	486.0
S.657 E.360	TOP ROCK PILE	3.9	487.0
S.660 E.360		4.6	486.3
S.665 E.360		3.7	487.2

X-SECTION E.360
(CONT'D)

490.86

S.669 E.360		4.9	486.0
S.672 E.360		5.6	485.3
S.678 E.360		4.6	486.3
S.680 E.360		2.9	488.0
S.684 E.360		0.9	490.0
S.691.5 E.360	FENCE LINE	0.5	490.4
CK. TBM		4.08	486.78 = 486.76
SET TBM - NAIL IN TREE		0.77	490.09

NOTE: CONT'D ON PAGE 67

ALVARADO 2nd RES.

X-SECTION - E. 380

TPM	2.25	531.84	529.59	3/4" HUB S.192 E.400
S.154 E.380			0.8	531.0
S.177 E.377	℄ SEW. M.H.	S. RIM	1.14	530.70
S.184 E.380			1.8	530.0
S.192 E.380			2.5	529.3
S.213 E.380			3.8	528.0
S.252 E.380			5.8	526.0
S.287 E.380			7.8	524.0
S.324 E.380			9.8	522.0
S.354 E.380			11.8	520.0
	TP 0.97	519.72	13.09	518.75
S.384 E.380			1.7	518.0
S.408 E.380			3.7	516.0
S.425 E.380			5.7	514.0
S.440 E.380			7.7	512.0
S.455 E.380			9.7	510.0
S.462 E.380			10.4	509.3
S.468 E.380			10.2	509.5
S.475 E.380			11.7	508.0
	TP 1.33	508.07	12.98	506.74
S.485 E.382	S.485	TREE LINE	2.1	506.0
S.496 E.380			4.1	504.0

10/4/55
SHOREY
MARTELL
KEMP
HOLOHAN

X-SECTION - E. 380 (CONT'D)

19

		508.07		
S.514 E.380			6.1	502.0
S.524 E.380			8.1	500.0
S.534 E.380			10.1	498.0
S.545 E.380			12.1	496.0
	TP 0.44	495.48	13.03	495.04
S.555 E.380			1.5	494.0
S.565 E.380			3.5	492.0
S.572 E.380			5.5	490.0
S.577 E.380			7.5	488.0
S.584 E.380			9.5	486.0
S.593 E.380			11.5	484.0
	CK. TBM 6.30	493.08	8.70	486.78 = 486.76
S.602 E.380			11.1	482.0
S.613 E.380			13.1	480.0
S.615 E.380			13.6	479.5
S.621 E.380			14.1	479.0
S.627 E.380			13.8	479.3
S.628 E.380			13.1	480.0
S.630 E.380			11.1	482.0
S.635 E.380			9.1	484.0
S.647 E.380			7.6	485.5

ALVARADO 2ND RES.
X-SECTION - E.380 (CONT'D)

493.08

S. 666 E. 380	BEGIN ROCK SPOIL PILE		7.1	486.0
S. 670 E. 380			5.1	488.0
S. 675 E. 380	TOP " " "		3.1	490.0
S. 680 E. 380	END " " "		5.1	488.0
S. 691 E. 380			3.1	490.0
S. 696 E. 380			1.1	492.0
S. 703.8 E. 380	FENCE LINE		0.4	492.7
CK. TBM			2.98	490.10 = 490.09
TBM	7.56	505.23		497.67
S. 719 E. 380			11.2	494.0
S. 724 E. 380			10.0	495.2
S. 726 E. 380			2.2	496.0
S. 730 E. 380			7.2	498.0
S. 735 E. 380			5.2	500.0
S. 744 E. 380			3.2	502.0
S. 748 E. 380			2.4	502.8
S. 749 E. 380			1.2	504.0
S. 750 E. 380			0.7	504.5
S. 753 E. 380			0.5	504.7

X-SECTION - E.380 (CONT'D)

505.23

S. 755 E. 380			1.1	504.1
S. 762.6 E. 380	A.C. PAVT. MURRAY		0.5	504.7
CK. TBM			7.56	497.67 = 497.67

SEE PG. 65

ALVARADO 2ND RES.
X-SECTION - E.400

TBM 2.13	531.72		529.59
S.154 E.400		0.0	531.7
S.154 E.402 END OF BLDG.		1.7	530.0
S.174 E.400			
S.192 E.400		2.1	529.6
S.255 E.392 4'x4' TEST HOLE	GR ELEV. 526.5 BOTT. 508.5		
S.218 E.400		3.7	528.0
S.259 E.400		5.7	526.0
S.292 E.400		7.7	524.0
S.322 E.400		9.7	522.0
S.351 E.400		11.7	520.0
TP 0.36	518.79	13.29	518.43
S.378 E.400		0.8	518.0
S.400 E.400		2.8	516.0
S.422 E.400		4.8	514.0
S.436 E.400		6.8	512.0
S.447 E.400		8.5	510.3
S.460 E.400		8.3	510.16
S.462 E.400		8.8	510.0
S.466 E.400		9.5	509.3
S.468 E.400		10.8	508.0
S.470	TREE LINE		
S.474 E.400		13.8	506.0
TP 1.03	506.61	13.21	505.58
S.485 E.400		2.6	504.0

10/5/55
SHOREY
MARTELL
KEMP
HOLOHAN

X-SECTION E.400
(CONT'D)

	506.61		
S.499 E.400		4.6	502.0
S.511 E.400		6.6	500.0
S.523 E.400		8.6	498.0
S.533 E.400		10.6	496.0
S.544 E.400		12.6	494.0
TP 0.47	494.06	13.02	493.59
S.554 E.400		2.1	492.0
S.560 E.400		4.1	490.0
S.568 E.400		6.1	488.0
S.571 E.400		6.6	487.5
S.573 E.400		8.1	486.0
S.579 E.400		9.2	484.9
S.582 E.400		10.1	484.0
S.586 E.400		12.1	482.0
S.598 E.400		13.1	481.0
S.612 E.400		14.1	480.0
S.616 E.400		14.3	479.8
S.621 E.400		12.1	482.0
S.624 E.400		10.1	484.0
S.627 E.400		8.1	486.0

X-SECTION E. 400
(CONT'D)

494.06

S. 629 E. 400		6.7	487.4	
S. 634 E. 400		6.1	488.0	
S. 653 E. 400		4.1	490.0	
S. 686 E. 400		2.1	492.0	
CK. TBM 13.31	503.40	3.95	490.11 = 490.09	
S. 789 E. 400		9.4	494.0	
S. 716 E. 400	FENCE LINE	8.9	494.5	
SET TBM - NAIL IN TREE		0.15	503.25	E. 460, S. 720
TBM 8.94	506.61		497.67	SEE PG. 65
S. 726 E. 400		10.6	496.0	
S. 739 E. 400		9.1	497.5	
S. 740 E. 400		8.6	498.0	
S. 745 E. 400		6.6	500.0	
S. 752 E. 400		4.6	502.0	
S. 757 E. 400		2.6	504.0	
S. 760 E. 400		1.2	505.4	
S. 762 E. 400		1.4	505.2	
S. 769 E. 400	A.C. PAVT. MURRAY	0.9	505.7	
CK. TBM		8.94	497.67 = 497.67	

ALVARADO 2nd RES.
X-SECTION, E. 420

TBM	2.12	531.71	529.59	¾" HUB E. 400 S. 192
S. 154 E. 420			0.6	531.1
S. 182 E. 420			1.7	530.0
S. 192 E. 420			2.1	529.6
S. 216 E. 420			3.7	528.0
S. 252 E. 420			5.7	526.0
S. 293 E. 420			7.7	524.0
S. 324 E. 420			9.7	522.0
S. 349 E. 420	TP 0.20	518.96	11.7	520.0
			12.95	518.76
S. 378 E. 420			1.0	518.0
S. 399 E. 420			3.0	516.0
S. 418 E. 420			5.0	514.0
S. 431 E. 420			7.0	512.0
S. 456 E. 420			9.0	510.0
S. 460 E. 420			11.0	508.0
	S. 461	TREE LINE		
S. 470 E. 420			13.0	506.0
	TP 8.48	506.38	13.06	505.90
S. 478 E. 420			3.4	504.0
S. 489 E. 420			4.4	502.0
S. 499 E. 420			6.4	500.0
S. 511 E. 420			8.4	498.0

10/5/55
SHOREY
MARTELL
KEMP
HOLOHAN

X-SECTION, E. 420 (CONT'D)

		506.38		
S. 523 E. 420			10.4	496.0
S. 533 E. 420			12.4	494.0
	TP 0.23	493.40	13.21	493.17
S. 540 E. 420			1.4	492.0
S. 544 E. 420			3.4	490.0
S. 547 E. 420			5.4	488.0
S. 552 E. 420			7.4	486.0
S. 555 E. 420			8.6	484.8
S. 560 E. 420			9.4	484.0
S. 563 E. 420			9.7	483.7
S. 565 E. 420			11.4	482.0
S. 580 E. 420			10.1	483.3
S. 584 E. 420			9.4	484.0
S. 592 E. 420			7.4	486.0
S. 608 E. 420			5.4	488.0
S. 621 E. 420			3.4	490.0
S. 634 E. 420			1.4	492.0
	TP 10.36	503.36	0.40	493.00
S. 649 E. 420			9.4	494.0
S. 688 E. 420			7.4	496.0
S. 724 E. 420			6.1	497.3

X-SECTION, E. 420
(CONT'D)

		503.36			
S. 729.5 E. 420	FENCE LINE		5.7	497.7	
CK. TBM			0.12	503.24 = 503.25	
TBM	8.94	506.61		497.67	SEE PG. 65
S. 732 E. 420			8.6	498.0	
S. 749 E. 420			7.5	499.1	
S. 752 E. 420			6.6	500.0	
S. 759 E. 420			4.6	502.0	
S. 763 E. 420			2.6	504.0	
S. 765 E. 420			0.6	506.0	
S. 766 E. 420			0.3	506.3	
S. 767 E. 420			0.5	506.1	
S. 776 E. 420	A.C. PAVT. MURRAY		+0.1	506.7	
CK. TBM			8.94	497.67 = 497.67	

ALVARADO 2ND RES.
X-SECTION - E. 440

10/5/55
SHOREY
MARTELL
KEMP
HOLOHAN

X-SECTION - E. 440 (CONT'D)

TBM	2.53	532.12		529.59	¾" HUB E. 440 S. 192
S. 154 E. 440			1.1	531.0	
S. 182 E. 440			2.1	530.0	
S. 192 E. 440			2.6	529.5	
S. 219 E. 440			4.1	528.0	
S. 256 E. 440			6.1	526.0	
S. 289 E. 440			8.1	524.0	
S. 318 E. 440			10.1	522.0	
S. 347 E. 440			12.1	520.0	
	TP 0.30	519.70	12.72	519.40	
S. 369 E. 440			1.7	518.0	
S. 394 E. 440			3.7	516.0	
S. 410 E. 440			5.7	514.0	
S. 424 E. 440			7.7	512.0	
S. 435 E. 440			9.0	510.7	
S. 446 E. 440			9.3	510.4	
S. 450		TREE LINE			
S. 452 E. 440			9.7	510.0	
S. 455 E. 440			11.7	508.0	
S. 456 E. 440			13.1	506.6	
	TP 0.59	507.32	12.97	506.73	
S. 461 E. 440			1.3	506.0	
S. 473 E. 440			3.3	504.0	

507.32

S. 481 E. 440			5.3	502.0
S. 491 E. 440			7.3	500.0
S. 501 E. 440			9.3	498.0
S. 511 E. 440			11.3	496.0
S. 520 E. 440			13.3	494.0
	TP 0.31	494.69	12.94	494.38
S. 528 E. 440			2.7	492.0
S. 533 E. 440			4.7	490.0
S. 539 E. 440			6.7	488.0
S. 546 E. 440			8.7	486.0
S. 555 E. 440			9.3	485.4
S. 558 E. 440			10.7	484.0
S. 562 E. 440			10.7	484.0
S. 564 E. 440			8.7	486.0
S. 569 E. 440			6.7	488.0
S. 592 E. 440			4.7	490.0
S. 603 E. 440			2.7	492.0
S. 609 E. 440			0.7	494.0
	TP 10.16	504.85	0.00	494.69
S. 622 E. 440			8.9	496.0
S. 631 E. 440			6.9	498.0

X-SECTION - E.440
(CONT'D)

504.85

S. 644 E. 440			6.9	498.0	
S. 678 E. 440			4.9	500.0	
S. 700 E. 440			4.3	500.6	
S. 725 E. 440			4.1	500.8	
CS. 742.3 E. 440	FENCE LINE		3.1	501.8	
CK. IBM			1.60	503.25	= 503.25
IBM	12.86	510.53		497.67	
S. 744 E. 440			8.5	502.0	
S. 766 E. 440			6.5	504.0	
S. 768 E. 440			4.5	506.0	
S. 770 E. 440			2.5	508.0	
S. 773 E. 440			3.4	507.1	
S. 782.4 E. 440	A.C. PAVT.	MURRAY	2.5	508.0	
			12.86	497.67	= 497.67

ALVARADO 2ND RES.
X-SECTION E.460

TBM	1.11	530.70	529.59	3/4" HUB S.192 E.400
S.154 E.460			0.0	530.7
S.172 E.460			0.7	530.0
S.192 E.460			1.3	529.4
S.215 E.460			2.7	528.0
S.247 E.460			4.7	526.0
S.284 E.460			6.7	524.0
S.313 E.460			8.7	522.0
S.343 E.460			10.7	520.0
S.364 E.460			12.7	518.0
	TP 0.74	518.19	13.25	517.45
S.385 E.460			2.2	516.0
S.404 E.460			4.2	514.0
S.438 E.460			6.2	512.0
S.439 E.460	S.439	TREE LINE	8.2	510.0
S.445 E.460			10.2	508.0
S.456 E.460			12.2	506.0
	TP 0.81	505.85	13.15	505.04
S.464 E.460			1.9	504.0
S.472 E.460			3.9	502.0
S.480 E.460			5.9	500.0
S.490 E.460			7.9	498.0

10/5/55
SHOREY
MARTELL
KEMP
HOLEMAN

X-SECTION - E.460 (CONT'D)

	505.85		
S.502 E.460		9.9	496.0
S.509 E.460		11.9	494.0
	TP 4.07	497.27	12.65 493.20
S.517 E.460		5.3	492.0
S.536 E.460		7.3	490.0
S.534 E.460		9.3	488.0
S.540 E.460		10.2	487.1
S.541 E.460		11.5	485.8
S.545 E.460		12.2	485.1
S.546 E.460		10.3	487.0
S.553 E.460		10.8	486.5
S.558 E.460		9.3	488.0
S.563 E.460		7.3	490.0
S.573 E.460		5.3	492.0
S.587 E.460		3.3	494.0
S.600 E.460		1.3	496.0
	TP 11.96	508.91	0.32 496.95
S.607 E.460		10.9	498.0
S.613 E.460		8.9	500.0
S.649 E.460		6.9	502.0
S.690 E.460		4.9	504.0

X-SECTION - E. 460
(CONTD)

		508.91			
S. 716 E. 460			4.0	504.9	
S. 739 E. 460			3.8	505.1	
S. 754.6 E. 460	FENCE LINE		3.6	505.3	
CK. TBM			5.69	503.22	= 503.25
TBM	12.86	510.53		497.67	SEE PG. 65
S. 771 E. 460			4.5	506.0	
S. 773 E. 460			4.5	506.0	
S. 777 E. 460			2.5	508.0	
S. 790 E. 460	A.C. PAVT. MURRAY		1.6	508.9	
CK. TBM			12.86	497.67	= 497.67
TP	11.88	519.34	3.07	507.46	

ALVARADO 2ND RES.

X-SECTION E. 480

ITEM	L30	530.89		529.59 3/4" HUB S.192 E.400
S.1542 E. 480			0.9	530.5
S.164 E. 480			0.9	530.0
S.192 E. 480			1.8	529.1
S.213 E. 480			2.9	528.0
S.254 E. 480			4.9	526.0
S.285 E. 480			6.9	524.0
S.311 E. 480			8.9	522.0
S.338 E. 480			10.9	520.0
S.358 E. 480			12.9	518.0
	0.33	517.98	T.P. 13.24	517.65
S.380 E. 480			2.0	516.0
S.399 E. 480			4.0	514.0
S.404 E. 480			4.6	513.4
S.410 E. 480			4.2	513.8
S.422 E. 480			4.9	513.1
S.425 TREE LINE				
S.423 E. 480			6.0	512.0
S.428 E. 480			8.0	510.0
S.438 E. 480			10.0	508.0
S.445 E. 480			12.0	506.0
	1.25	506.13	T.P. 13.10	504.88

10/6/55
SHOREY
MACTELL
KEMP
HOLAHAN

X. SECTION E. 480
(CONT.)

506.13

S. 453 E. 480			2.1	504.0
S. 463 E. 480			4.1	502.0
S. 475 E. 480			6.1	500.0
S. 485 E. 480			8.1	498.0
S. 495 E. 480			10.1	496.0
S. 497 E. 480			10.5	495.6
S. 500 E. 480			12.1	494.0
	7.29	500.38	T.P. 13.04	493.09
S. 506 E. 480			8.4	492.0
S. 511 E. 480			10.4	490.0
S. 517 E. 480			11.4	489.0
S. 533 E. 480			11.7	488.7
S. 545 E. 480			10.9	490.0
S. 551 E. 480			8.4	492.0
S. 558 E. 480			6.4	494.0
S. 567 E. 480			4.4	496.0
S. 581 E. 480			2.4	498.0
S. 596 E. 480			0.4	500.0
	12.67	512.51	T.P. 0.54	499.84
S. 616 E. 480			10.5	

SECTION E.480 (CONT.)

512.51

S.635 E.480		8.5	509.0
S.661 E.480		6.5	506.0
S.688 E.480		4.5	508.0
S.700 E.480		4.5	508.0
S.730 E.480		4.5	508.0
S.767 E.480	FENCE LINE	4.4	508.1
SET TBM		0.21	512.30
CK TBM		9.29	503.23 = 503.25
	.09 519.34		503.25
S.782 E.480		11.0	508.3
S.792 E.480		9.3	510.0
S.797 E.480	A.C. PAVT. MURRAY	9.1	510.2

ALVARADO 2ND RES.

X-SECTION E. 520

10/6/55
SHOREY
MARTELL
KEMP
HOLAHAN

TBM	0.72	530.31		529.59	3/4" HUB S.192 E.400
S.154.2 E 520			0.3	530.0	
S.192 E.520			1.6	528.7	
S.209 E.520			2.3	528.0	
S.241 E 520			4.3	526.0	
S.281 E.520			6.3	524.0	
S.305 E.520			8.3	522.0	
S.334 E520			10.3	520.0	
S.351 E.520			12.3	518.0	
	1.34	518.76	T.P.12.89	517.42	
S.370 E.520			2.8	516.0	
S.388 E.520			4.8	514.0	
S.403 E.520	TREE LINE		4.8	514.0	
S.407 E 520			6.8	512.0	
S.417 E.520			8.8	510.0	
S.427 E.520			10.8	508.0	
S.436 E.520			12.8	506.0	
	0.31	506.32	T.P. 12.75	506.01	
S.442 E.520			2.7	504.0	
S.449 E.520			4.3	502.0	
S.458 E.520			6.3	500.0	

X-SECTION E. 520 (CONT)

		506.32		
3.465 E 520		8.3	498.0	
3.473 E.520		10.3	496.0	
3.480 E 520		12.3	494.0	
3.495 E. 520		14.3	492.0	
3.506 E. 520		12.3	494.0	
3.510 E 520		10.3	496.0	
3.514 E. 520		8.3	498.0	
3.518 E. 520		6.3	500.0	
3.521 E. 520		5.2	501.1	
3.550 E 520		4.3	502.0	
3.567 E. 520		2.3	504.0	
3.593 E. 520		0.3	506.0	
	11.92	517.71	T.P. 0.53	505.79
3.617 E. 520			9.7	508.0
3.696 E. 520			7.7	510.0
3.705 E. 520			5.7	512.0
3.758 E.520			4.9	512.8
3.785 E. 520			5.7	512.0
3.790.4 E. 520		FENCE LINE	5.8	511.9
CK TBM			5.42	512.29 = 512.31

X-SECTION - E. 520 (CONT'D)

TBM 7.03	519.34		512.31
3.791 E. 520		7.3	512.0
3.799 E. 520		7.3	512.0
3.803 E. 520		7.7	511.6
BOTT. GULLY			
3.804 E. 520		7.3	512.0
3.810 E. 520		6.9	512.4
BOTT. ROCK PILE		7.03	512.31 = 512.31
TOP ROCK PILE			

ALVARADO 2ND RES.
X-SECTION E 540

10-6-55
SHOREY
MARTELL
KEMP
HOLAHAN

TBM	1.02	530.61		529.59	3/4" HUB S 192 E 400
S 154.2 E 540			0.6	530.0	
S 192 E 540			2.0	528.6	
S 207 E 540			2.6	528.0	
S 240 E 540			4.6	526.0	
S 275 E 540			6.6	524.0	
S 306 E 540			8.6	522.0	
S 330 E 540			10.6	520.0	
S 345 E 540	0.83	518.44	12.6 TP 13.0	518.0 517.61	
S 363 E 540			2.4	516.0	
S 383 E 540			4.0	514.4	
S 392 E 540			4.4	514.0	
S 392 TREE LINE					
S 398 E 540			6.4	512.0	
S 409 E 540			8.4	510.0	
S 422 E 540			10.4	508.0	
S 429 E 540			12.4	506.0	
	1.01	506.15	TP 13.30	505.14	
S 439 E 540			2.2	504.0	
S 450 E 540			4.2	502.0	
S 457 E 540			6.2	500.0	
S 463 E 540			8.2	498.0	

X-SECTIONS (CONT) E 540

506.15

S 469 E 540			10.2	496.0			
S 472 E 540			12.2	494.0			
S 474 E 540			13.4	492.8			
S 480 E 540			13.2	493.0			
S 482 E 540			12.2	494.0			
S 493 E 540			10.2	496.0			
S 499 E 540			8.2	498.0			
S 507 E 540			6.2	500.0			
S 513 E 540			4.2	502.0			
S 527 E 540			4.2	502.0			
S 540 E 540			2.2	504.0			
S 558 E 540	10.77	516.92	0.2 TP	506.0 0.00	506.15		
S 572 E 540			8.9	508.0			
S 617 E 540			6.9	510.0			
S 650 E 540			4.9	512.0			
S 663 E 540			3.8	513.1			
S 708 E 540			2.9	514.0			
S 761 E 540			2.3	514.6			
S 797.1 E 540		FENCE LINE	3.3	513.6			
SET TBM-Nail in Tree CK TBM	2.15	518.59	0.48 6.30	516.44 512.29	= 512.31		

TBM 7.23 512.34

S. 806 E. 540		6.0	513.3
S. 811 E. 540		6.4	512.7
S. 817 E. 540	A.C. PAVT. MURRAY	6.0	513.3
		7.03	512.31 = 512.31

512.31

ALVARADO 2ND RES.

X-SECTIONS E 560

	0.92	530.51		529.59	¾" HUB S 192 E 900
S 154.2 E 560	0.10			526.7	
S 167 E 560			0.5	530.0	
S 192 E 560			1.9	528.6	
S 203 E 560			2.5	528.0	
S 240 E 560			4.5	526.0	
S 273 E 560			6.5	524.0	
S 305 E 560			8.5	522.0	
S 328 E 560			10.5	520.0	
S 344 E 560	1.05	518.20	TP 12.5 13.36	518.0 517.15	
S 362 E 560			2.2	516.0	
S 375 E 560			3.7	514.5	
S 386 E 560		TREE LINE	4.2	514.0	
S 390 E 560			6.2	512.0	
S 395 E 560			8.2	510.0	
S 406 E 560			10.2	508.0	
S 408 E 560			11.0	507.2	
S 411 E 560			12.2	506.0	
S 419 E 560			13.0	505.2	
S 420 E 560	1.47	506.47	TP 12.9 13.20	505.3 505.0	

10-6-55
SHOREY
MARTELL
KEMP
HOLAHAN

X-SECTIONS (CONT) E 560

506.47

S 430				2.5	504.0
E 560					
S 438				4.5	502.0
E 560					
S 452				6.5	500.0
E 560					
S 457				7.3	499.2
E 560					
S 458				8.5	498.0
E 560					
S 463				10.5	496.0
E 560					
S 467				12.5	494.0
E 560					
S 473				12.5	494.0
E 560					
S 475				10.5	496.0
E 560					
S 486				8.5	499.0
E 560					
S 491				6.5	500.0
E 560					
S 505				4.5	502.0
E 560					
S 513				2.5	504.0
E 560					
S 534				0.5	506.0
E 560	12.05	518.50	TP	0.02	506.45
S 552				10.5	508.0
E 560					
S 568				8.5	510.0
E 560					
S 600				6.5	512.0
E 560					
S 645				4.5	514.0
E 560					
S 657				3.8	514.7
E 560					

X-SECTION - E. 560
(CONT'D)

		518.50		
S 700 E 560			2.9	515.6
S 745 E 560			3.2	515.3
S 796 E 560			3.3	515.2
S 809.2 E 560		FENCE LINE	3.9	514.6
CK TBM	2.90	519.34	2.04	516.46 = 516.44
S. 815 E. 560			5.3	514.0
S. 818. E. 560			5.7	513.6
S. 824.5 E. 560		A.C. PAVT MURRAY	5.3	514.0
			2.90	516.44 = 516.44

ALVARADO 2ND RES.
X-SECTION - E. 580

TBM	3.32	532.91		529.59	3/4 HUB S 172 E 400
SET TBM S192 E780	2.35	532.86	2.40	530.51	
S 154.2			2.1	530.8	
S 167 E580			2.9	530.0	
S192 E580			4.2	528.7	
S206 E580			4.9	528.0	
S222 E573 — RUBBER TREE (12" DIAMETER)					
S245 E580			6.9	526.0	
S279 E580			8.9	524.0	
S311 E580			10.9	522.0	
S331 E580	0.13	520.05 TP	12.9 / 12.94	520.0 / 519.92	
S346 E580			2.1	518.0	
S362 E580			4.1	516.0	
S379 E580 — TREE LINE					
S381 E580			6.1	514.0	
S389 E580			8.1	512.0	
S399 E580			10.1	510.0	
S407 E580	0.59	507.52 TP	12.1 / 13.07	508.0 / 506.98	
S419 E580			1.5	506.0	
S431 E580			3.5	504.0	
S442 E580			5.5	502.0	
S446 E580			6.0	501.5	

10/7/55

SHOBAY
MARTELL
KEMP
HOLLAHAN

507.52

X-SECTION - E. 580 (CONT'D)

S448 E580			7.5	500.0	
S453 E580			9.5	498.0	
S461 E580			11.5	496.0	
S467 E580			11.5	496.0	
S472 E580			9.5	498.0	
S483 E580			7.5	500.0	
S489 E580			5.5	502.0	
S495 E580			3.5	504.0	
S502 E580	11.60	519.06 TP	1.5 / 0.06	506.0 / 507.46	
S514 E580			11.1	508.0	
S522 E580			9.1	510.0	
S527 E580			7.1	512.0	
S537 E580			5.1	514.0	
S547 E580			4.1	515.0	
S577 E580			3.1	516.0	
S700 E680			3.1	516.0	
S740 E580			3.1	516.0	
S780 E580			3.8	515.3	
S806 E580 — FENCE LINE			4.1	515.0	
OK TBM	2.90	519.34	2.61	516.45	= 516.44
S. 821			4.4	514.9	
S. 824			4.8	514.5	
S 831 A.C. PAVT. MURRAY			4.8	514.5	

ALVARADO 2ND RES.

X-SECTIONS E600

		2.12	532.63	530.51	¾" HUB S192 E700
S154.2 E600		1.8	531.8		
S171 E600		2.6	530.0		
S185 E592.5	TOP E.H.	1.22	531.41		
S192 E600		3.8	528.8		
S209 E600		4.6	528.0		
S288 E600		6.6	526.0		
S289 E600		8.6	524.0		
S313 E600		10.6	522.0		
S331 E600	0.79	520.13	TP 13.29	519.34	
S352 E600		2.1	518.0		
S365 E600 – TREE LINE					
S367 E600		4.1	516.0		
S383 E600		6.1	514.0		
S394 E600		8.1	512.0		
S403 E600		10.1	510.0		
S415 E600	1.59	508.73	TP 12.99	507.14	
S423 E600		2.7	506.0		
S431 E600		4.2	504.5		
S437 E600		4.7	504.0		
S435 E600		6.7	502.0		

10/7/55

SHOREY
MARTELL
KEMP
MOLAHAN

X-SECTIONS – E600 (CONT.) 40.

508.73

S442 E600		8.7	500.0	
S446 E600		10.7	498.0	
S452 E600		12.3	496.4	
S459 E600		10.7	498.0	
S466 E600		8.7	500.0	
S469 E600		6.7	502.0	
S476 E600		4.7	504.0	
S488 E600		2.7	506.0	
S500 E600	11.50	519.82 TP	0.7	508.0
			0.41	508.32
S514 E600		9.8	510.0	
S531 E600		7.8	512.0	
S549 E600		5.8	514.0	
S564 E600		4.9	514.9	
S630 E600		3.8	516.0	
S662 E600		3.6	516.2	
S700 E600		3.0	516.8	
S730 E600		3.5	516.3	
S760 E600		3.8	516.0	
S800 E600		4.3	515.5	
S809 E603 POLE GUY ANCHOR				
S817.0 E600 FENCE LINE		4.1	515.7	
		3.36	516.46	= 516.44

CK TBM

CONT'D ON PAGE 68

ALVARADO 2ND RES.
X-SECTIONS E620

	1.85	532.36		530.51	3/4" HUB S192 E700
S 5154.2 E 620				1.6	530.8
S 5177 E 620				2.4	530.0
S 5192 E 620				3.3	529.1
S 5215 E 620				4.4	528.0
S 5256 E 620				6.4	526.0
S 5294 E 620				8.4	524.0
S 5313 E 620				10.4	522.0
S 5338 E 620	0.68	520.49	TP	12.4 12.55	520.0 519.81
S 5356 E 620	S 364 E 620 TREE LINE			2.5	518.0
S 5370 E 620				4.5	516.0
S 5382 E 620				6.5	514.0
S 5396 E 620				8.5	512.0
S 5406 E 620				10.5	510.0
S 5420 E 620	3.09	511.00	TP	12.5 12.58	508.0 507.91
S 5430 E 620				5.0	506.0
S 5435 E 620				7.0	504.0
S 5441 E 620				9.0	502.0
S 5445 E 620				11.0	500.0
S 5450 E 620				13.0	498.0

10/7/55
SHORT
MARTELL
KEMP
HOLAHAN

X-SECTIONS - E620 (CONT.)

41.

511.00

S 456 E 620				11.0	500.0
S 462 E 620				9.0	502.0
S 467 E 620				7.0	504.0
S 473 E 620				5.0	506.0
S 484 E 620				3.0	508.0
S 491 E 620	11.42	321.51	TP	1.0 0.91	510.0 510.09
S 503 E 620				9.5	512.0
S 530 E 620				7.5	514.0
S 569 E 620				5.5	516.0
S 600 E 620				5.2	516.3
S 650 E 620				4.6	516.9
S 673 E 620				4.0	517.5
S 700 E 620				4.2	517.3
S 725 E 620				4.4	517.1
S 750 E 620				4.9	516.6
S 775 E 620				5.5	516.0
S 800 E 620				5.0	516.5
S 824.3 E 620	FENCE LINE			5.3	516.2
TBM	2.90	512.34		5.06	516.45 = 516.44
S. 834 E. 620				2.3	516.4
S. 835				3.3	516.0
S. 839				4.1	515.2
S. 846	A.C. PAVT. MURRAY			4.0	515.3

ALVARADO 2ND RES.

X-SECTIONS E640

	1.86	532.37	530.51	¾" HUB S 192 E 700
S 154.2 E 640			1.3	531.1
S 180 E 640			2.4	530.0
S 192 E 640			3.0	529.4
S 216 E 640			4.4	528.0
S 232 E 637 — PONDEROSA PINE (12" DIA.)				
S 262 E 640			6.4	526.0
S 295 E 640			8.4	524.0
S 317 E 640			10.4	522.0
S 342 E 640	0.42	519.61 TP	12.4	520.0
			13.21	519.16
S 363 E 640 — TREE LINE				
S 365 E 640			14.6	518.0
S 377 E 640			15.6	516.0
S 388 E 640			16.6	514.0
S 398 E 640			17.6	512.0
S 410 E 640			19.6	510.0
S 423 E 640			21.6	508.0
S 432 E 640	6.62	513.25 TP	23.6	506.0
			23.98	506.63
S 439 E 640			24.3	504.0
S 444 E 640			26.3	502.0
S 453 E 640			28.3	500.0
S 457 E 640			29.3	502.0

10/7/55
SHOREY
MARTELL
KEMP
HOLAHAN

X-SECTIONS (CONT.) E640 — 42.

513.25

S 461 E 640		24.3	504.0
S 466 E 640		26.3	506.0
S 470 E 640		28.3	508.0
S 481 E 640		30.3	510.0
S 490 E 640	10.35 523.54 TP	32.3	512.0
		32.56	512.99
S 499 E 640		34.5	514.0
S 511 E 640		36.5	516.0
S 563 E 640		38.9	517.6
S 581 E 640		38.9	517.6
S 600 E 640		38.5	518.0
S 639 E 640		40.9	518.6
S 657 E 640		41.3	519.2
S 700 E 640		38.5	518.0
S 718 E 649 — Tel. Pole Guy Anchor			
S 738 E 640.4 — Tel. Pole # P76892			
S 770 E 640		36.4	517.1
S 790 E 640		36.4	517.1
S 831 E 640		33.3	516.2
CK TBM 2.90 519.34		33.11	516.43 = 516.44
S. 838 E 640		32.7	516.6
S. 841		32.7	516.6
S. 842		33.3	516.0
S. 846		33.9	515.4
S. 854 A.C. PAVT. MURRAY		33.5	515.8
		2.30	516.44 = 516.44

ALVARADO 2ND TIES

X-SECTIONS E660

	2.09	532.60	530.51	¾" HUB S192 E700
S154.2 E660			1.0	531.6
S189 E660			2.6	530.0
S192 E660			2.7	529.9
S218 E660			4.6	528.0
S272 E660			6.6	526.0
S300 E660			8.6	524.0
S329 E660			10.6	522.0
S352 E660			12.6	520.0
		TP	13.28	519.32
360 TREE LINE	0.80	520.12		
S366 E660			2.1	518.0
S377 E660			4.1	516.0
S389 E660			6.1	514.0
S404 E660			8.1	512.0
S416 E660			10.1	510.0
S424 E660			12.1	508.0
	6.93	514.76	T.P. 12.29	507.83
S435 E660			8.8	506.0
S440 E660			10.8	504.0
S450 E660	BOTT GULLY		12.8	502.0
S459 E660			10.8	504.0
S462 E660			8.8	506.0

10/7/55
SHOBEY
MARTELL
KEMP
HOLAHAN

X-SECTIONS (CONT.) E 660

43

		514.76		
S466 E660			6.8	508.0
S470 E660			4.8	510.0
S481 E660			2.8	512.0
S488 E660			0.8	514.0
	10.25	524.86	T.P. 0.15	514.61
S503 E660			8.9	516.0
S526 E660			6.9	518.0
S600 E660			5.9	520.0
S641 E660			5.3	519.6
S700 E660			6.4	518.5
S750 E660			6.9	518.0
S800 E660			7.5	517.4
S837.2 E660	FENCE LINE		8.4	516.5
			T.BM 6.67	518.19
	7.03	519.34	CK BM 1255	512.31 = 512.31
S843 E660			2.8	516.5
S845 E660			2.4	516.9
S848 E660			2.9	516.4
S849 E660			3.3	516.0
S851 E660			3.8	515.5
S859 E660	A.C. PAVT MURRAY		3.1	516.2
			7.03	512.31 = 512.31

ALVARADO 2ND RES.

X-SECTION E. 680

1.92 532.43 530.51 3/4" HUB 2.192 E 700

S. 1542 E. 680 0.7 531.7

S. 192 E. 680 2.1 530.3

S 200 E. 680 2.4 530.0

S 219 E. 680 4.4 528.0

S 271 E. 680 6.4 526.0

S 303 E. 680 8.4 524.0

S 337 E. 680 10.4 522.0

355 TREE LINE

S. 357 E. 680 12.4 520.0

T.P. 12.56 519.87

2.55 522.42

S. 373 E. 680 9.4 518.0

S. 390 E. 680 6.4 516.0

S. 406 E. 680 8.4 514.0

S. 412 E. 680 10.9 512.0

S. 417 E. 680 12.4 510.0

T.P. 12.53 509.89

6.56 516.45

S. 424 E. 680 8.5 508.0

S. 430 E. 680 10.5 506.0

BOTT GULLY

S. 450 E. 680 11.7 504.8

S. 453 E. 680 10.5 506.0

S. 457 E. 680 8.5 508.0

S. 464 E. 680 6.5 510.0

10/10/55

SHOREY
MARTELL
KEMP
HOLAHAN

516.45

S. 468 E. 680 4.5 512.0

S. 474 E. 680 2.5 514.0

S. 488 E. 680 0.5 516.0

T.P 0.45 516.00

9.43 525.43

S. 506 E. 680 7.4 518.0

S. 558 E. 680 5.4 520.0

S. 600 E. 680 5.0 520.4

S. 650 E. 680 5.4 520.0

S. 700 E. 680 6.4 519.0

S. 750 E. 680 7.1 518.3

S. 761 E. 680 7.4 518.0

S. 800 E. 680 7.9 517.5

S. 846 E. 680 FENCE LINE 8.7 516.7

TBM 1.15 519.34 CK BM 7.25 518.18 = 518.19

S. 851 E. 680 2.2 517.1

S. 856 E. 680 3.3 516.0

S. 865 E. 680 A.C. PAVT. MURRAY 2.7 516.6

1.15 518.19 = 518.19

ALVARADO 2nd RES. X-SECTION E.700

10/10/55
SHOREY +
HARTELL +
KEHR
HOLAHAN ϕ

X-SECTION E.700 (CONT'D)

	2.46	532.97	530.51	3/4" HUB S 192 E 700
S.154 Z E.700		0.6	532.4	
S.162 E.700		1.0	532.0	
S.192 E.700		2.5	530.5	
S.209 E.700		3.0	530.0	
S.233 E.700		5.0	528.0	
S.277 E.700		7.0	526.0	
S.310 E.700		9.0	524.0	
S.342 E.700		11.0	522.0	
S.355 E.700	TREE LINE			
S.361 E.700	TP 0.94	521.17	12.0 520.0 12.74 520.23	
S.377 E.700			3.2 518.0	
S.390 E.700			5.2 516.0	
S.403 E.700			7.2 514.0	
S.413 E.700			9.2 512.0	
S.421 E.700			11.2 510.0	
S.427 E.700			13.2 508.0	
S.432 E.700			14.4 506.8	
S.444 E.700			14.2 507.0	
S.447 E.700			13.2 508.0	

		521.17	
S.451 E.700		11.2	510.0
S.456 E.700		9.2	512.0
S.465 E.720		7.2	514.0
S.476 E.700		5.2	516.0
S.493 E.700		3.2	518.0
S.536 E.700	TP 4.90 525.90	1.2	520.0
		0.17	521.00
S.577 E.700		4.9	521.0
S.647 E.700		4.7	521.2
S.687 E.700		5.9	520.0
S.730 E.700		7.1	518.8
S.794 E.700		7.9	518.0
S.851 E.700	FENCE LINE CK. TBM 1.15 519.34	8.7 7.71	517.2 518.19 = 518.19
S.858 E.700		2.2	517.1
S.859 E.700		1.6	517.7
S.862 E.700		2.0	517.0
S.863 E.700		3.1	516.2
S.872 E.700		2.2 1.15	517.1 518.19 = 518.19
S. E.700			
S. E.700			

ALVARADO 2nd RES.
X-SECTION - E. 720

TBM	2.78	533.29	530.51	3/4" HUB S. 193 E. 720
S. 154 E. 720			03	533.0
S. 171 E. 720			1.3	532.0
S. 192 E. 720			2.5	530.8
S. 217 E. 720			3.3	530.0
S. 246 E. 720			5.3	528.0
S. 298 E. 720			7.3	526.0
S. 321 E. 720			9.3	524.0
S. 348 E. 720	S. 356 TREE LINE		11.3	522.0
S. 370 E. 720	TP 1.25	521.64	13.3	520.0
			12.90	520.39
S. 386 E. 720			3.6	518.0
S. 403 E. 720			5.6	516.0
S. 414 E. 720			7.6	514.0
S. 423 E. 720			9.6	512.0
S. 429 E. 720			11.6	510.0
S. 431 E. 720			12.6	509.0
S. 444 E. 720			13.6	508.0
S. 450 E. 720			11.6	510.0
S. 455 E. 720			9.6	512.0
S. 462 E. 720			7.6	514.0

10/11/55
SHOREY
MARTELL
KEMP
HOLOHAN

X-SECTION - E. 720 (CONT'D).

521.64

S. 473 E. 720		5.6	516.0
S. 486 E. 720		3.6	518.0
S. 513 E. 720		1.6	520.0
	TP 6.34 526.89	1.09	520.55
S. 559 E. 726.2 } P.P. # 76988			
S. 577 E. 720		4.9	522.0
S. 652 E. 720		4.9	522.0
S. 712 E. 720		6.9	520.0
S. 750 E. 720		7.4	519.5
S. 800 E. 720		8.3	518.6
S. 825 E. 720		8.9	518.0
S. 858 E. 720	FENCE LINE	9.0	517.9
CK. TBM	1.15 519.34	8.70	518.19 = 518.19
S. 862 E. 720		1.3	518.0
S. 868 E. 720		1.6	517.7
S. 869 E. 720		2.5	516.8
S. 879 E. 720	A.C. PAV'T. MURRAY	1.7	517.6
		2.90	516.44 = 516.44

ALVARADO 2nd RES.
X-SECTION - E.740

TBM	3.79	534.30	530.51	3/4" HUB S.192 E.700
S.154 E.740			0.6	533.7
S.183 E.740			2.3	532.0
S.192 E.740			3.0	531.3
S.221 E.740			4.3	530.0
S.263 E.740			6.3	528.0
S.300 E.740			8.3	526.0
S.332 E.740			10.3	524.0
S.342 E.740	S.344	TREE LINE	10.0	524.3
S.348 E.740			11.3	523.0
S.359 E.740	TP 1.11	522.60	12.3 12.81	522.0 521.49
S.377 E.740			2.6	520.0
S.398 E.740			4.6	518.0
S.411 E.740			6.6	516.0
S.416 E.740			8.6	514.0
S.426 E.740			10.6	512.0
S.431 E.740			10.3	512.3
S.435 E.740	{S.435 E.746	18" CULVERT	11.4 11.40	511.2 511.20 ±
S.439 E.740			10.6	512.0
S.445 E.740			8.6	514.0

10/11/55

SHOREY
MARTELL
KEMP
HOLOHAN

X-SECTION - E.740
(CONT'D)

47.

522.60

S.452 E.740		6.6	516.0
S.460 E.740		4.6	518.0
S.467 E.740		3.8	518.8
S.518 E.740		2.6	520.0
S.560 E.740		0.6	522.0
	TP 5.76 526.78	1.58	521.02
S.600 E.740		4.1	522.7
S.650 E.740		4.2	522.6
S.683 E.740		4.8	522.0
S.700 E.740		5.5	521.3
S.750 E.740		6.2	520.6
S.759 E.740		6.8	520.0
S.810 E.740		7.7	519.1
S.838 E.740		8.7	518.1
S.859 E.740	FENCE LINE	8.3	518.5
{S.865 E.737	FENCE COR.		
CK TBM		8.58	518.20 = 518.19

ALVARADO 2nd RES.

X-SECTION: E.760

TBM	3.61	534.12		530.51
S.154 E.760			0.1	534.0
S.192 E.760			2.1	532.0
S.238 E.760			4.1	530.0
S.271 E.760			6.1	528.0
S.314 E.760			8.1	526.0
S.350 E.760			9.4	524.7
S.353 TREE LINE				
S.360 E.760			10.1	524.0
S.373 E.760			12.1	522.0
TP	0.64	521.67	13.09	521.03
S.391 E.760			1.7	520.0
S.402 E.760			2.4	519.3
S.405 E.760			3.7	518.0
S.411 E.760			5.0	516.7
S.415 END OF TREES				
S.418 E.760			3.7	518.0
S.426 E.760			3.2	518.5
S.482 E.760			2.5	519.2
S.494 E.760			1.7	520.0
TP	6.00	526.81	0.86	520.81
S.524 E.760			4.8	522.0
S.600 E.760			3.4	523.4
S.628 E.760			2.8	524.0

10/11/55
SHOBEY
MARTELL
KEMP
HOLOHAN

48.

X-SECTION - E.760 (CONT'D)

526.81

S.650 E.760		3.4	523.4
S.700 E.760		4.8	522.0
S.750 E.760		5.5	521.3
S.795 E.760		6.8	520.0
S.819.6 E.760	FENCE LINE	7.7	519.1
CK. TBM		8.63	518.18 =518.19

ALVARADO 2ND RES.
X-SECTION - E. 780

TBM	4.09	534.60	530.51
S. 154 E. 780		+0.2	534.8
S. 174 E. 780		0.6	534.0
S. 192 E. 780		2.1	532.5
S. 200 E. 780		2.6	532.0
S. 232 E. 780		4.6	530.0
S. 282 E. 780		6.6	528.0
S. 300 E. 780		7.7	526.9
S. 341 E. 780		8.6	526.0
S. 346 E. 780		9.1	525.5
S. 358 E. 780		10.6	524.0
S. 373 E. 780		12.6	522.0
TP	6.93	528.69	12.84 521.76
S. 385 E. 780		8.3	520.4
S. 391 E. 780		8.7	520.0
S. 450 E. 780		9.3	519.4
S. 463 E. 780		8.7	520.0
S. 501 E. 780		6.7	522.0
S. 564 E. 780		5.1	523.6
{S. 564 E. 777}	4'x4' TEST HOLE 20' DEEP		
S. 567 E. 780		4.7	524.0
S. 600 E. 780		3.8	524.9

10/11/55
SHOREY
MARTELL
KEMP
HOLOHAN

X-SECTION - E. 780 (CONT'D)

528.68

S. 650 E. 780		3.7	525.0
S. 687 E. 780		4.7	524.0
S. 739 E. 780		6.7	522.0
S. 778 E. 780	FENCE LINE	7.5	521.2
CK. TBM		10.49	518.20 =518.19

ALVARADO 2nd RES.

X-SECTION - E.800

TBM	5.67	536.18	530.51	¾" H&B S:172 E:700
S.154 E.800			0.2	536.0
S.178 E.800			2.2	534.0
S.192 E.800			3.2	533.0
S.205 E.800			4.2	532.0
S.244 E.800			6.2	530.0
S.288 E.800			8.2	528.0
S.327 E.800			10.2	526.0
S.342 E.800			12.2	524.0
TP	6.63	530.13	12.68	523.50
S.368 E.800			8.1	522.0
S.400 E.800			9.7	520.4
S.405 E.800			10.1	520.0
S.427 E.800			11.9	518.2
S.427 E.793	18" CULVERT		14.05	516.08
S.434 E.800			11.6	518.5
S.439 E.800			10.1	520.0
S.442 E.800			9.5	520.6
S.468 E.800			8.1	522.0
S.500 E.800			7.1	523.0
S.527 E.800			6.1	524.0
S.588 E.800			4.1	526.0

10/11/55
SHOREY
MARTEL
KEMP
HOLOHAN

X-SECTION - E.800

530.13

S.645 E.800		4.1	526.0
S.700 E.800		5.5	524.6
S.711 E.800		6.1	524.0
S.735 E.800	FENCE LINE	7.2	522.9

CK. TBM

ALVARADO 2nd RES.
X-SECTION - E. 820

TBM	7.01	537.52		530.51
S. 154 E. 820	FENCE		0.4	537.1
S. 164 E. 820			1.5	536.0
S. 188 E. 820			3.5	534.0
S. 192 E. 820			3.8	533.7
S. 216 E. 820			5.5	532.0
S. 248 E. 820			7.5	530.0
S. 270 E. 820			8.2	529.3
S. 282 E. 820			7.5	530.0
S. 291 E. 820			8.9	528.6
S. 293 E. 820			9.5	528.0
S. 297 E. 820			10.0	527.0
S. 322 E. 820			11.5	526.0
S. 350 E. 820	TP 5.00	529.23	13.5	524.0
			13.29	524.23
S. 358 E. 820			5.7	523.5
S. 361 E. 820			5.2	524.0
S. 363 E. 822	METER BOX			
S. 378 E. 820			5.7	523.5
S. 379 E. 814.5	TEL. POLE #16787			
S. 399 E. 820			7.2	522.0
S. 413 E. 820			9.2	520.0
S. 433 E. 820			9.2	520.0

10/11/55
SHOREY
MARTELL
KEMP
HOLOHAN

X-SECTION - E. 820 (CONT'D)

529.23

S. 446 E. 820			7.2	522.0
S. 492 E. 820			5.2	524.0
S. 554 E. 820			3.2	526.0
S. 600 E. 820			2.3	526.9
S. 641 E. 820			1.8	527.4
S. 688 E. 820			3.2	526.0
S. 697.4 E.			3.6	525.6
CK. TBM	11.10	529.29	11.06	518.17 =518.19
SET NAIL IN TEL. POLE			7.34	521.95

ALVARADO 2ND RES.

X-SECTION E. 840'

T.BM.	7.79	538.30	530.51	¾" HUB S. 192 E. 700
S. 164 E. 840		FENCE LINE	1.7	536.6
S. 170 E. 840			1.8	536.5
S. 173 E. 840			2.3	536.0
S. 192 E. 840			4.3	534.0
S. 228 E. 840			6.3	532.0
S. 264 E. 840			8.3	530.0
S. 296 E. 840			10.3	528.0
S. 312 E. 840			11.3	527.0
S. 359 E. 840			12.3	526.0
		T.P. 12.90		525.40
	6.23	531.63		
S. 386 E. 840			6.8	524.8
S. 394 E. 840			7.6	524.0
S. 408 E. 840			9.6	522.0
S. 420 E. 840			11.2	520.4
S. 431 E. 840			9.6	522.0
S. 447 E. 840			7.6	524.0
S. 513 E. 840			5.6	526.0
S. 556 E. 840			3.6	528.0
S. 587 E 840			3.6	528.0

10/13/55

SHOREY
MARTELL
KEMP
HOLAHAN

X-SECTION E. 860 (CONT.)

531.63

S. 655 E. 840		FENCE LINE	2.6	529.0
		CK BM	9.68	521.95 = 521.95

ALVARADO 2ND RES.

X-SECTION E. 863'

	4.98 535.49		530.51
S. 192 E. 863	INTERSECT FENCE & FENCE LINE 3.169 ∠ 85°	1.7	533.8
S. 227 E. 863		3.5	532.0
S. 269 E. 863		5.5	530.0
S. 326 E. 863		7.5	528.0
S. 381 E. 863		9.5	526.0
S. 399 E. 863		11.5	524.0
S. 409 E. 863		12.5	523.0
S. 424 E. 863		11.5	524.0
S. 453 E. 863		9.5	526.0
S. 500 E. 863		8.6	526.9
S. 529 E. 863		7.5	528.0
S. 581 E. 863		5.5	530.0
S. 608± E. 863	FENCE LINE	4.8	530.7
	CK PM 4.98		530.51 = 530.51
S. E. 863			
S. E. 863			
S. E. 863			
S. E. 863			
S. E. 863			

10/13/55
SHOREY
MARTELL
KEMP
HOLAMAN

ALVARADO 2ND RES.

X-SECTIONS E 100'
(CONT. FR. PAGE 3)

	2.72	488.20	485.48 FENCE POST CON. E 140 S 6085
S. 602 E. 100		0.2	488.0
S. 604 E. 100		2.2	486.0
607 E. 100		4.2	484.0
S. 620 E. 100		4.7	483.5
S. 622 E. 100		6.2	482.0
S. 627 E. 100		8.2	480.0
S. 632 E. 100		10.2	478.0
S. 639 E. 100		12.2	476.0
	T.P. 12.79		475.41
S. 646 E. 100	1.24	476.65	2.7 474.0
S. 650 E. 100			4.7 472.0
S. 658 E. 100			6.7 470.0
S. 662 E. 100			8.7 468.0
S. 671 E. 100			10.3 466.4
S. 671 E. 100			10.7 466.0
S. 675 E. 100			12.1 464.6 BOTT. GULLY
S. 678 E. 100			10.7 466.0
S. 684 E. 100			10.7 466.0
S. 689 E. 100			8.7 468.0

10/13/55 X-SECTION

SHOREY
MARTELL
KEMP
NOLAHAN

E. 100 (CONT.)

NOTE: SEE PAGE 3

64

476.65

S. 692 E. 100		6.7	470.0
S. 697 E. 100		4.7	472.0
S. 704 E. 100		2.7	474.0
S. 710 E. 100		0.7	476.0
	T.P.	0.15	476.50
	12.59	489.09	
S. 713 E. 100		11.1	478.0
S. 715 E. 100		10.1	479.0
S. 720 E. 100		9.1	480.0
S. 726 E. 100		7.1	482.0
S. 728 E. 100		5.1	484.0
S. 732 E. 100		3.1	486.0
S. 734 E. 100		1.1	488.0
S. 736 E. 100		+1.0	490.0
S. 738 E. 100		+3.0	492.0
S. 745 E. 100	EDGE A.C. ON ROAD	+4.0	493.0
	CK BM	3.62	485.47

ALVARADO 2ND RES.
X-SECTION E. 120
(CONT. FR. PAGE 5.)

10/17/55
SHOREY
MARTELL
KEMP
HOLAHAN

			479.07
	1.97	487.45	485.48 FENCE POST CON. S. 140 S. 6085
S. 607 E. 120		1.5	486.0
S. 609 E. 120		2.0	485.5
S. 612 E. 120		3.5	484.0
S. 614 E. 120		4.7	482.8
S. 620 E. 120		5.5	482.0
S. 626 E. 120		5.9	481.6
S. 628 E. 120		7.5	480.0
S. 632 E. 120		9.5	478.0
S. 640 E. 120		11.5	476.0
	T.P. 13.25		474.20
	4.87	479.07	
S. 646 E. 120		5.1	474.0
S. 652 E. 120		7.1	472.0
S. 655 E. 120		9.1	470.0
S. 661 E. 120		11.1	468.0
S. 664 E. 120		13.1	466.0 BOTT GULLY
S. 668 E. 120		12.9	466.2
S. 670 E. 120		12.1	467.0
S. 680 E. 120		12.1	467.0
S. 682 E. 120		11.1	468.0
S. 687 E. 120		9.1	470.0
S. 692 E. 120		7.1	472.0
S. 697 E. 120		5.1	474.0
S. 703 E. 120		3.1	476.0
S. 707 E. 120		1.1	478.0
	T.P. 0.37		478.68
	13.12	491.80	13.4 478.4
S. 715 E. 120			
S. 719 E. 120		11.8	480.0
S. 721 E. 120		9.8	482.0
S. 724 E. 120		7.8	484.0
S. 728 E. 120		5.8	486.0
S. 730 E. 120		3.8	488.0
S. 733 E. 120		1.8	490.0
S. 736 E. 120		+0.2	492.0
S. 738		+0.2	492.0
S. 744 E. 120		+0.5	492.3
	CK BM	6.32	485.48 = 485.48

ALVARADO 2ND RES.

X-SECTION E. 140'

(CONT. FR. PAGE 6.)

	0.56	486.04	485.48	FENCE POST CON. E.140 S.601.2
S. 611 E. 140			2.0	484.0
S. 616 E. 140			4.0	482.0
S. 618 E. 140			4.7	481.3
S. 628 E. 140			6.0	480.0
S. 631 E. 140			6.4	479.6
S. 633 E. 140			8.0	478.0
S. 638 E. 140			10.0	476.0
S. 645 E. 140			12.0	474.0
		T.P. 10.99		475.05
	3.63	478.68		
S. 649 E. 140			6.7	472.0
S. 652 E. 140			8.7	470.0
S. 657 E. 140			10.7	468.0
S. 658 E. 140			11.4	467.3 POTTI CELLY
S. 667 E. 140			10.7	468.0
S. 674 E. 140			8.7	470.0
S. 680 E. 140			6.7	472.0
S. 688 E. 140			4.7	474.0
S. 692 E. 140			3.7	475.0
S. 694 E. 140			2.7	476.0

10/17/55
SHOLEY
MARTELL
KEMP
HOLLIHAN

54.

478.68

S. 697 E. 140			0.7	478.0
		T.P. 0.41		478.27
	12.08	490.35		
S. 708 E. 140			12.4	478.0
S. 710 E. 140			10.4	480.0
S. 714 E. 140			8.4	482.0
S. 716 E. 140			6.4	484.0
S. 721 E. 140			4.4	486.0
S. 726 E. 140			2.4	488.0
S. 727 E. 140			0.4	490.0
S. 729 E. 140			+1.6	492.0
S. 734 E. 140			+3.6	494.0
S. 736 E. 140			+2.9	493.3
S. 741 E. 140	EDGE A.C. PAVE MURRAY RD.		+3.2	493.6
	CK BM		4.87	485.48 = 485.48

ALVARADO 2ND RES

X-SECTION E. 160
(CONT. FR. PAGE 7.)

	0.12	485.60	485.48	FENCE POST cor. E. 180 S. 6085
S. 616 E. 160			3.6	482.0
S. 623 E. 160			5.6	480.0
S. 633 E. 160			6.7	478.9
S. 635 E. 160			7.6	478.0
S. 638 E. 160			9.6	476.0
S. 643 E. 160			11.6	474.0
		T.P. 10.54		475.06
	6.60	481.66		
S. 647 E. 160			9.7	472.0
S. 651 E. 160			11.7	470.0
S. 653 E. 160			12.5	469.2
S. 657 E. 160			13.0	468.7 BOTT. GULLY
S. 667 E. 160			12.4	4693
S. 669 E. 160			11.7	470.0
S. 674 E. 160			9.7	472.0
S. 680 E. 160			7.7	474.0
S. 685 E. 160			5.7	476.0
S. 689 E. 160			4.0	477.7
S. 699 E. 160			3.7	478.0
S. 701 E. 160			1.7	480.0
		T.P. 0.27		481.29
	13.32	494.61		

10/17/55
AHORE /
MARTELL
KEMP
HOLAHAN

494.61

S. 707 E. 160		12.6	482.0
S. 712 E. 160		10.6	484.0
S. 717 E. 160		8.6	486.0
S. 720 E. 160		6.6	488.0
S. 723 E. 160		4.6	490.0
S. 727 E. 160		2.6	492.0
S. 729 E. 160		0.6	494.0
S. 732 E. 160		+0.1	494.7
S. 732 E. 160		0.6	494.0
S. 739 E. 160	EDGE A.C. PAVE HUBBY ED.	+0.2	494.8
	CK BM	9.12	485.99 = 485.48

ALVARADO 2ND RES.

X-SECTION E. 180
(CONT. FR. PAGE 8.

	0.32	485.80	485.48
S. 623 E. 180		5.8	480.0
S. 632 E. 180		7.8	478.0
S. 639 E. 180		8.6	477.2
S. 641 E. 180		9.8	476.0
S. 644 E. 180		11.8	474.0
S. 648 E. 180		13.8	472.0
S. 652 E. 180		15.8	470.0
S. 659 E. 180		1.58	470.0 BOTT GULLY
S. 665 E. 180		1.58	470.0
S. 670 E. 180		13.8	472.0
S. 675 E. 180		11.8	474.0
S. 681 E. 180		9.8	476.0
S. 682 E. 180		8.7	477.1
S. 693 E. 180		8.1	477.7
S. 694 E. 180		7.8	478.0
S. 696 E. 180		5.8	480.0
S. 700 E. 180		3.8	482.0
S. 707 E. 180		1.8	484.0
		T.P. 0.32	485.48
	12.38	497.86	

10/17/55
SHOREY
MARTELL
KEMP
HOLAHAN

58

			497.86
S. 715 E. 180		11.9	486.0
S. 719 E. 180		9.9	488.0
S. 723 E. 180		7.9	490.0
S. 726 E. 180		5.9	492.0
S. 729 E. 180		3.9	494.0
S. 731 E. 180		2.3	495.6
S. 734 E. 180		2.8	495.1
S. 738 E. 180	EDGE AL. PAVE MURRAY RD.	2.5	495.4
	CK BM	12.38	485.48 = 485.48

ALVARADO 2ND RES.

X-SECTION E. 200

(CONT. FR. PAGE 9.

	1.39	486.82		485.48
S. 628 E. 200			9.8	478.0
S. 637 E. 200			10.8	476.0
S. 646 E. 200			11.4	475.4
S. 649 E. 200			12.8	474.0
S. 652 E. 200			14.8	472.0
S. 654 E. 200			15.8	471.0 } BOTT. GULLY
S. 662 E. 200			15.8	471.0 }
S. 666 E. 200			14.8	472.0
S. 668 E. 200			12.8	474.0
S. 672 E. 200			10.8	476.0
S. 684 E. 200			10.0	476.8
S. 686 E. 200			8.8	478.0
S. 690 E. 200			6.8	480.0
S. 694 E. 200			4.8	482.0
S. 698 E. 200			2.8	484.0
S. 703 E. 200			0.9	486.0
		T.P. 056		486.26
S. 711 E. 200	11.55	497.81	9.8	488.0
S. 715 E. 200			8.7	489.1

10/17/55
SHOREY
MARTELL
KEMP
HOLAHAN

497.81

S. 719 E. 200		7.8	490.0
S. 722 E. 200		5.8	492.0
S. 726 E. 200		3.8	494.0
S. 729 E. 200		1.8	496.0
S. 730 E. 200		1.3	496.5
S. 731 E. 200		1.8	496.0
S. 738 E. 200	EDGE A.C. PAVE MURRAY RD.	1.5	496.3
	CK E.P. 12.33		48548 = 485.48

ALVARADO 2nd RES.
X-SECTION E.220
(CONT'D FR. PAGE 10)

10/18/55
SHERRY.
MARTELL
KEMP
HOLGMAN

60.

TBM	1.40	486.88		485.48
S.639 E.220			10.9	476.0
S.646 E.220			11.7	475.2
S.657 E.220			11.1	475.7
S.675 E.220			10.9	476.0
S.681 E.220			8.9	478.0
S.687 E.220			6.9	480.0
S.691 E.220			4.9	482.0
S.697 E.220			2.9	484.0
S.704 E.220			0.9	486.0
PP	11.46	498.19	0.15	486.73
S.710 E.220			10.2	488.0
S.714 E.220			8.2	490.0
S.721 E.220			6.2	492.0
S.725 E.220			4.2	494.0
S.728 E.220			2.2	496.0
S.731 E.220	Top	Shoulder	0.4	497.8
S.733 E.220			1.3	496.9
S.738 E.220	A.C. Pvt. Murray		0.9	497.3
CK. TBM			12.72	485.47 = 485.48

ALVARADO 2nd RES.
X-SECTION E.240.
(CONT'D FR. PAGE 11)

10/18/55
SHOREY
MARTELL
KEMP
HOLOHAN

TBM		3.54	489.02		485.48
S.650 E.245	B.O.			17.1	471.9
S.659 E.240				14.7	474.3
S.666 E.240				13.0	476.0
S.670 E.240				11.0	478.0
S.677 E.240				9.0	480.0
S.686 E.240				7.0	482.0
S.691 E.240				5.0	484.0
S.698 E.240				3.0	486.0
S.703 E.240	TP	11.17	499.09	1.8	488.0
				1.10	487.92
S.708 E.240				9.1	490.0
S.716 E.240				7.1	492.0
S.722 E.240				5.1	494.0
S.725 E.240				3.1	496.0
S.728 E.240	Top SH'D			1.1	498.0
S.730 E.240				0.0	499.1
S.732 E.240				1.3	497.8
S.737 E.240	A.C. Pavt. Murray			0.7	498.4
TP		2.07	488.71	12.45	486.64
CK. TBM				3.24	485.47 = 485.48

TOP WHEEL VALVE

NAIL IN TREE

ALVARADO 2nd RES.
X-SECTION E 260
(CONT'D FR. PAGE 12)

TBM	3.23	488.71		485.48
S. 662 E. 260			12.7	476.0
S. 669 E. 260			10.7	478.0
S. 674 E. 260			8.7	480.0
S. 678 E. 260			6.7	482.0
S. 683 E. 260			4.7	484.0
S. 689 E. 260			2.7	486.0
S. 695 E. 260			0.7	488.0
	TP 11.43	499.34	0.80	487.91
S. 701 E. 260			9.3	490.0
S. 708 E. 260			8.5	490.8
S. 711 E. 260			7.3	492.0
S. 717 E. 260			5.3	494.0
S. 722 E. 260			4.5	494.8
S. 724 E. 260			3.3	496.0
S. 728 E. 260	TOP	SHLD. BEAD	1.3	498.0
S. 738 E. 260			0.0	499.3
S. 732 E. 260			0.6	498.7
S. 739' E. 260	A.C. PAVT.	MURRAY	0.2	499.1
CK. TP			12.70	486.64 = 486.64

NAIL IN TREE

ALVARADO 2ND RES.
X-SECTION E.280
(CONT'D FR. PAGE 13)

TBM		5.51	492.15		486.64
S.658 E.280				14.2	478.0
S.665 E.280				13.0	479.2
S.666 E.280				12.2	480.0
S.666.5 E.280				11.4	480.8
S.669 E.280				10.2	482.0
S.676 E.280				8.2	484.0
S.683 E.280				6.2	486.0
S.688 E.280				4.2	488.0
S.696 E.280				2.2	490.0
S.703 E.280	TP	10.57	502.20	0.2 0.52	492.0 491.63
S.710 E.280				8.2	494.0
S.719 E.280				6.2	496.0
S.722 E.280				5.8	496.4
S.726 E.280				4.2	498.0
S.728 E.280	TOP		SHLD. ROAD	2.2	500.0
S.731 E.280				1.7	500.5
S.733 E.280				2.4	499.8
S.748 E.280			A.C. PVT. MURRAY	2.1	500.1
TP		5.19	495.45	11.94	490.26
CK. TBM				8.81	486.64 = 486.64

ALVARADO 2ND RES.
X-SECTION - E.300
(CONT'D FR. PAGE 14)

10/19/55
SHOREY
MAETELL
KEMP
HOLOHAN

TBM	8.81	495.45		486.64
S.670 E.300			13.5	482.0
S.672 E.300			12.6	482.9
S.674 E.300			11.5	484.0
S.677 E.300			10.0	485.5
S.681 E.300			9.5	486.0
S.688 E.300			7.5	488.0
S.692 E.300			5.5	490.0
S.700 E.300			3.5	492.0
S.707 E.300	TP	10.15	502.59	1.5 494.0
			3.01	492.44
S.720 E.300			6.6	496.0
S.726 E.300			4.6	498.0
S.729 E.300			2.6	500.0
S.731 E.300	TOP SHLD. ROAD		1.3	501.3
S.734 E.300			1.0	501.6
S.736 E.300			1.9	500.7
S.743 E.300	A.C. PAVT. MURRAY		1.4	501.2
CK. TD			12.32	490.27 = 490.26

ALVARADO 2nd RES.
X-SECTION - E.320
(CONT'D FR. PAGE 15)

10/18/55
SHOREY
MARTELL
KEMP
HOLOHAN

TBM	8.15	498.41		490.26
S.676 E.320			12.4	486.0
S.681 E.320			11.7	486.7
S.681 3/4 E.320			10.4	488.0
S.681 6/4 E.320			9.6	488.8
S.688 E.320			8.4	490.0
S.696 E.320			6.4	492.0
S.702 E.320			4.4	494.0
S.709 E.320			2.4	496.0
S.722			0.4	498.0
E.320 TP	6.48	504.31	0.58	497.83
S.727 E.320			5.5	498.8
S.729 E.320			4.3	500.0
S.733 E.320			2.3	502.0
S.734 E.320			1.3	503.0
S.738 E.320			2.6	501.7
S.741 3/4 E.320		A.G.Pmt. Murray	2.3	502.0
TP	3.72	501.59	6.64	497.67
CK. TBM			11.32	490.27 = 490.26

ALVARADO 2nd RES.
X-SECTION - E.340
(CONT'D FR. PAGE 16)

10/18/55
SHOREY
MARTELL
KEMP
HOLOHAN

TBM	11+32	501.58		490.26
S.693 E.340			11.6	490.0
S.696 E.340			9.6	492.0
S.697 E.340			8.9	492.7
S.704 E.340			7.6	494.0
S.713 E.340			5.6	496.0
S.726 E.340			3.6	498.0
S.734 E.340			1.6	500.0
S.737 E.340			+0.4	502.0
S.739 E.340			+1.3	502.9
S.740 E.340	Top SHLD. ROAD		+1.3	502.9
S.741 E.340			+1.7	503.3
S.752 5 E.340	A.C. PAVT. MURRAY		+1.2	502.8
CK. TBM			3.92	497.66 = 497.67

ALVARADO 2ND RES.
X-SECTION - E. 360
CONT'D FR. PAGE - 18

TBM		7.56	505.23	497.67
S. 704 E. 360			13.2	492.0
S. 707 E. 360			12.7	492.5
S. 710 E. 360			11.2	494.0
S. 711 E. 360			10.1	495.1
S. 717 E. 360			9.2	496.0
S. 728 E. 360			7.2	498.0
S. 737 E. 360			5.2	500.0
S. 740 E. 360			4.4	500.8
S. 742 E. 360			3.2	502.0
S. 747 E. 360			1.2	504.0
S. 749 E. 360			1.9	503.3
S. 757 E. 360	A.G. PART. MURRAY		1.4	503.8

ALVARADO 2ND RES.
X-SECTION - E. 600
(CONT'D FR. PAGE 40)

		2.90	519.34	516.44
S. 820 E. 600				516.0
S. 827 E. 600			3.0	
S. 827 E. 600			3.3	516.0
S. 830 E. 600			4.4	514.9
S. 838 E. 600	A.C. PAVT. MURRAY		4.5	514.8
			2.90	516.44 = 516.44

ALVARADO 2nd RES
X-Sections (Cont'd.)

TBM		4.28	534.79		530.51
S 218 E 880	(24)	@ Fence		1.1	533.7
S 251 E 880	(41)			2.8	532.0
S 278 E 880	(14)			4.8	530.0
S 339 E 880	+47			6.8	528.0
S 387 E 880	+95			8.8	526.0
S 402 E 880	+110			9.7	525.1
S 427 E 880	+135			8.8	526.0
S 486 E 880	+194			6.8	528.0
S 542 E 880	+250			4.8	530.0
S 573 E 880	+281	@ Fence		3.8	531.0
TP		11.22	535.22	10.79	524.00
S 239 E 900	-53	@ FENCE		3.1	532.1
S 285 E 900	-7			5.2	530.0
S 352 E 900	+60			7.2	528.0
S 402 E 900	+110			8.7	526.5
S 450 E 900	+158			7.2	528.0
S 502 E 900	+210			5.2	530.0
S 531 E 900	+239	@ FENCE		4.3	530.9

S 192
E 700

OCT. 25 1955
BEATTY
HOLOHAN

69.

TP		11.63	535.63	11.22	524.00
S 2495 E 920	-425	@ FENCE		3.3	532.3
S 2552 E 920	-4			3.6	532.0
S 3085 E 920	+46			5.6	530.0
S 3583 E 920	+91			7.6	528.0
S 4841 E 920	172			5.6	530.0
S 4900 E 920	198	@ FENCE		4.8	530.8
TP		12.23	536.23	11.63	524.00
S 2595 E 940	-32.5	@ Fence		3.5	532.7
S 2766 E 940	-16			4.2	532.0
S 3444 E 940	+52			6.2	530.0
S 3944 E 940	+102			7.0	529.2
S 4500 E 940	+158	@ Fence		5.2	531.2
TP		13.08	537.08	12.23	524.00
S 2700 E 960	-22	@ FENCE		4.2	532.9
S 2922 E 960				5.1	532.0
S 3766 E 960	+72			6.5	530.6
S 4088 E 960	+116	@ Fence		5.9	531.2
TP				7.59	529.49

ALVARADO 2nd Res
X-Sections
Cont.d

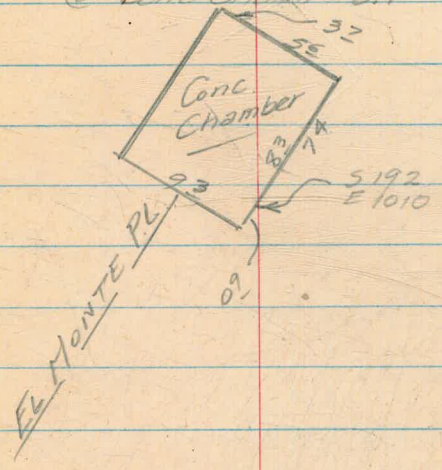
TP	8.68	538.17		529.49
S 280.5 E 980	-11.5	@ Fence	4.8	533.4
S 351 E 980	+59		6.2	532.0
S 368 E 980	+76	@ Fence	6.3	531.9
S 290.3 E 1000		@ Fence	4.3	533.9
S 307 E 1000			4.9	533.3
S 321 E 1000		@ Fence	4.9	533.3
TP	9.47	538.96	8.68 8.53	529.49
S 192 E 876			4.0	535.0
S 192 E 960			3.6	534.4
S 199.5 E 905	Po. & Telepole # P-76368			
S 203. E 905	2" I.P LS. 2286 prop. Cor. ??			
S 192 E 920			2.7	535.3
S 180 E 922	Wat. Met Box			
S 173 E 922	Wat Met Box			
S 192 E 940			1.9	537.1
S 192 E 960			2.6	538.4

10/26/55

70.

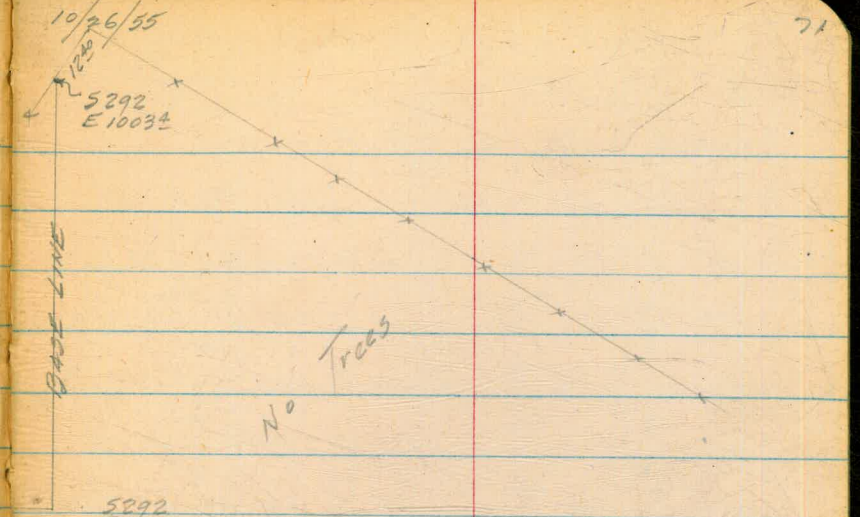
538.96

S 192 E 980		0.4	538.6
S 192 E 1010	@ Conc Chamb	0.1	538.9



ALVARADO 2nd RES
Cont'd

10/26/55



Stks for Butt Blocks Ely Side of ET Res + SE Cor.

Coping Wall (2.37) OFFSET

West
Williams T
Kalbaker +

11/29/56 CLEAR & WARM

	13.03	534.35	521.32			
Butt B		4.51	529.84	532.19	F2 35	E 0 16
F		4.61	529.74	532.09	F2 35	E 0 26
E		4.50	529.85	532.00	F2 15	E 0 15
D		4.32	530.03	531.91	F1 88	C 0 03
C		4.09	530.26	531.82	F1 56	C 0 26
B		4.09	530.26	531.73	F1 47	C 0 26
Coping Wall BC Begin 0+00		4.14	530.21	529.00	C1 21	530.00 C 0 21 (6)
A		4.22	530.13	531.62	F1 49	
	0+10	4.28	530.07	529.00	C1 07	530.00 C 0 07 (6)
	0+20	4.33	530.02	529.00	C1 02	530.00 C 0 02 (6)
	+30	1.36	529.99	529.00	C0 99	530.00 F 0 01 (6)
	+40	4.55	529.80	529.00	C0 80	530.00 F 0 20 (6)
	+50	4.11	529.91	529.00	C0 91	530.00 F 0 09 (6)
	+57.25 EC	4.48	529.87	529.00	C0 87	530.00 F 0 13 (6)
		13.04	521.31 =		521.32	

ALVARADO X Sections

West
Wilhams
O Brian

9/23/57

+0.59	530.90		530.31
5.97	525.47	1140	519.50
S 404 W 160		5.5	520.0
S 426.5 W 160		7.5	518.0
S 444 W 160		9.5	516.0
	W 140		
S 400 W 140		5.5	520.0
S 426 W 140		7.5	518.0
S 450 W 140		9.5	516.0
S 471 W 140		11.5	514.0
S 383 W 140		3.5	522.0
	W 120		
S 425.4 W 120		7.5	518.0
S 452 W 120		9.5	516.0
S 472 W 120		11.5	514.0
S 487 W 120		13.5	512.0
S 398 W 120		5.5	520.0
S 373 W 120		3.5	522.0

BM and ot. Cb 10' Rt S 192 E 100

Hi 525.47

W 100

S 428 W100	7.5	518.0
S 464 W100	9.5	516.0
S 482 W100	11.5	514.0
S 495 W100	13.5	512.0
S 508 W100	15.5	510.0
S 514 W100	17.5	508.0
S 390 W100	5.5	520.0
S 360 W100	3.5	522.0

W 80

S 426 W 80	7.5	518.0
S 468 W80	9.5	516.0
S 495 W80	11.5	514.0
S 504 W80	13.5	512.0
S 513 W80	15.5	510.0
S 523 W80	17.5	508.0
S 533 W80	19.5	506.0
S 390 W80	5.5	520.0
S 353 W80	3.5	522.0
S 334.5 W80	1.5	524.0

Hi 525.47

W 60

S 432 W80	7.5	518.0
S 469.5 W 60	9.5	516.0
S 500 W 60	11.5	514.0
S 511 W 60	13.5	512.0
S 519 W 60	15.5	510.0
S 525 W 60	17.5	508.0
S 533 W 60	19.5	506.0
S 540 W 60	20.5	505.0
S 390 W 60	5.5	520.0
S 356 W 60	3.5	522.0
S 321 W 60	1.5	524.0

W 40

S 438 W 40	7.5	518.0
S 470 W 40	9.5	516.0
S 500 W 40	11.5	514.0
S 515 W 40	13.5	512.0
S 524 W 40	15.5	510.0
S 531 W 40	17.5	508.0

525.47

W 40 Cont

S 536 W 40	19.5	506.0
S 541 W 40	21.5	504.0
S 394 W 40	5.5	520.0
S 352 W 40	3.5	522.0
S 320 W 40	1.5	524.0
S 296 W 40	+0.5	526.0
S 281 W 40	+2.5	528.0
S 269 W 40	+4.5	530.0

W 20

S 437 W 20	7.5	518.0
S 467 W 20	9.5	516.0
S 499 W 20	11.5	514.0
S 518 W 20	13.5	512.0
S 525 W 20	15.5	510.0
S 533 W 20	17.5	508.0
S 535 W 20	19.5	506.0
S 543 W 20	21.5	504.0
S 556 W 20	24.5	501.0
S 390 W 20	5.5	520.0

525.47

W 20 Cont

S 353 W 20	3.5	522.0
S 319 W 20	1.5	524.0
S 295 W 20	+0.5	526.0
S 267 W 20	+2.5	528.0
S 250 W 20	+4.5	530.0

0+00 E

S 430 E 000	7.5	518.0
S 470 E 0+00	9.5	516.0
S 491 E 0+00	11.5	514.0
S 515 E 0+00	13.5	512.0
S 525 E 0+00	15.5	510.0
S 532 E 0+00	17.5	508.0
S 540 E 0+00	19.5	506.0
S 548 E 0+00	21.5	504.0
S 547 E 0+00	23.5	502.0
S 556 E 0+00	25.5	500.0
S 568 E 0+00	27.5	498.0 Fence
S 391 E 0+00	5.5	520.0
S 352 E 0+00	3.5	522.0
S 319 E 0+00	1.5	524.0

Hi 525.47

0+00 E Cont

S 292 E 0+00	+0.5	526.0
S 252 E 0+00	+2.5	528.0
S 238 E 0+00	+4.5	530.0

0+20 E

S 429 E 0+20	7.5	518.0
S 470 E 0+20	9.5	516.0
S 490 E 0+20	11.5	514.0
S 512 E 0+20	13.5	512.0
S 525 E 0+20	15.5	510.0
S 532 E 0+20	17.5	508.0
S 538 E 0+20	19.5	506.0
S 544 E 0+20	21.5	504.0
S 548 E 0+20	23.5	502.0
S 552 E 0+20	25.5	500.0
S 559 E 0+20	27.5	498.0
S 568.5 E 0+20	29.5	496.0 Fence
S 388 E 0+20	5.5	520.0
S 350 E 0+00	3.5	522.0
S 319 E 0+00	1.5	524.0

E 0+00

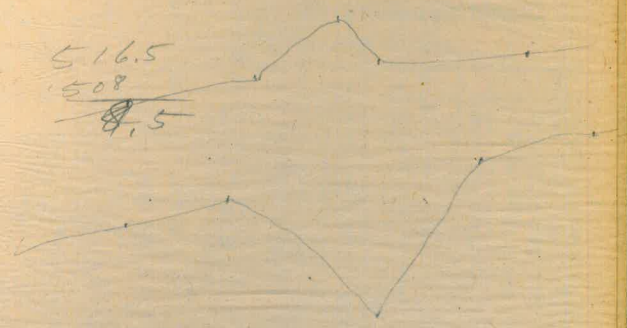
S 272 E 0+00	+0.5	526.0
S 248 E 0+00	+2.5	528.0
S 234 E 0+00	+4.5	530.0

525.47

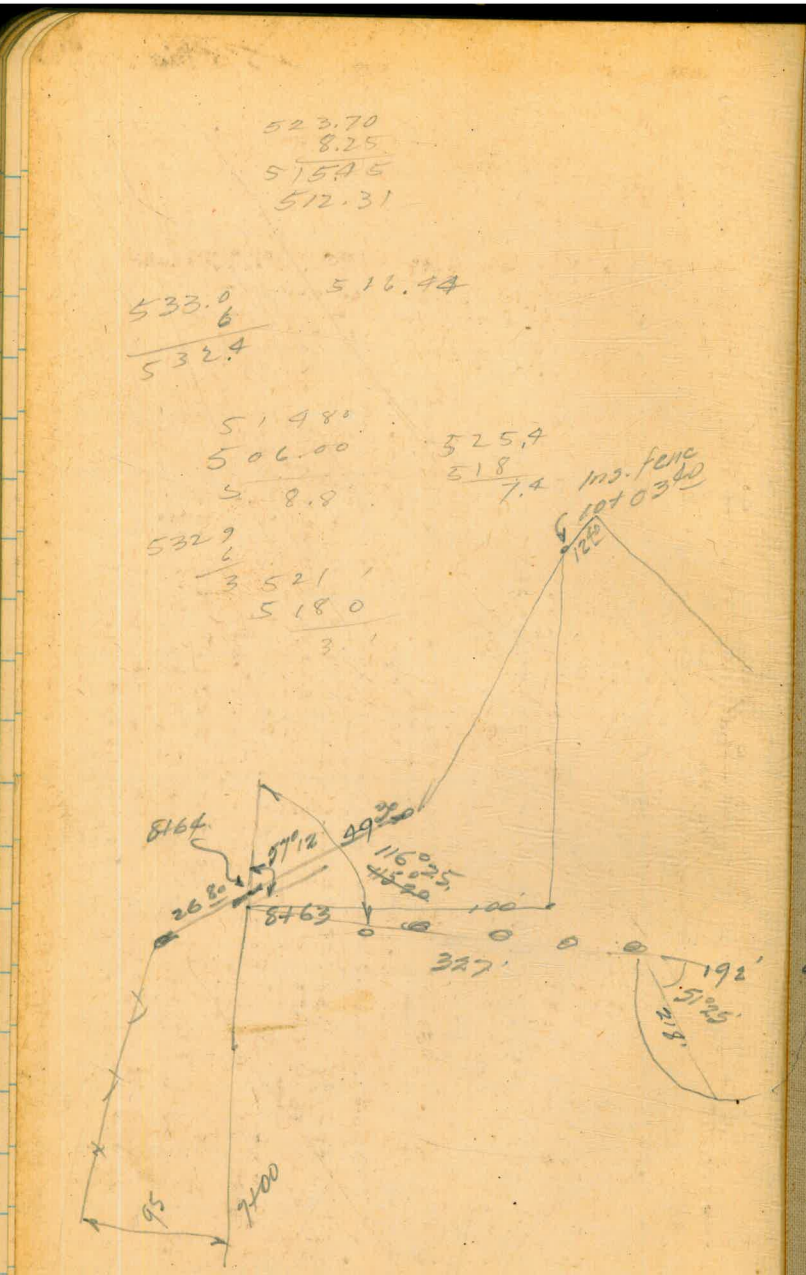
6.51	531.60	-0.38 525.09
		1.30 530.30

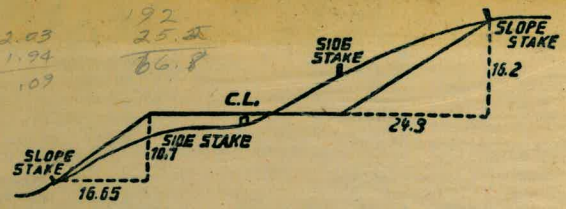
660
43.8
703.8

516.5
508
8.5



524.7
516
8.7





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

THE NATIONAL BLANK BOOK COMPANY
HOLYOKE MASSACHUSETTS
NEW YORK CHICAGO BOSTON SAN FRANCISCO