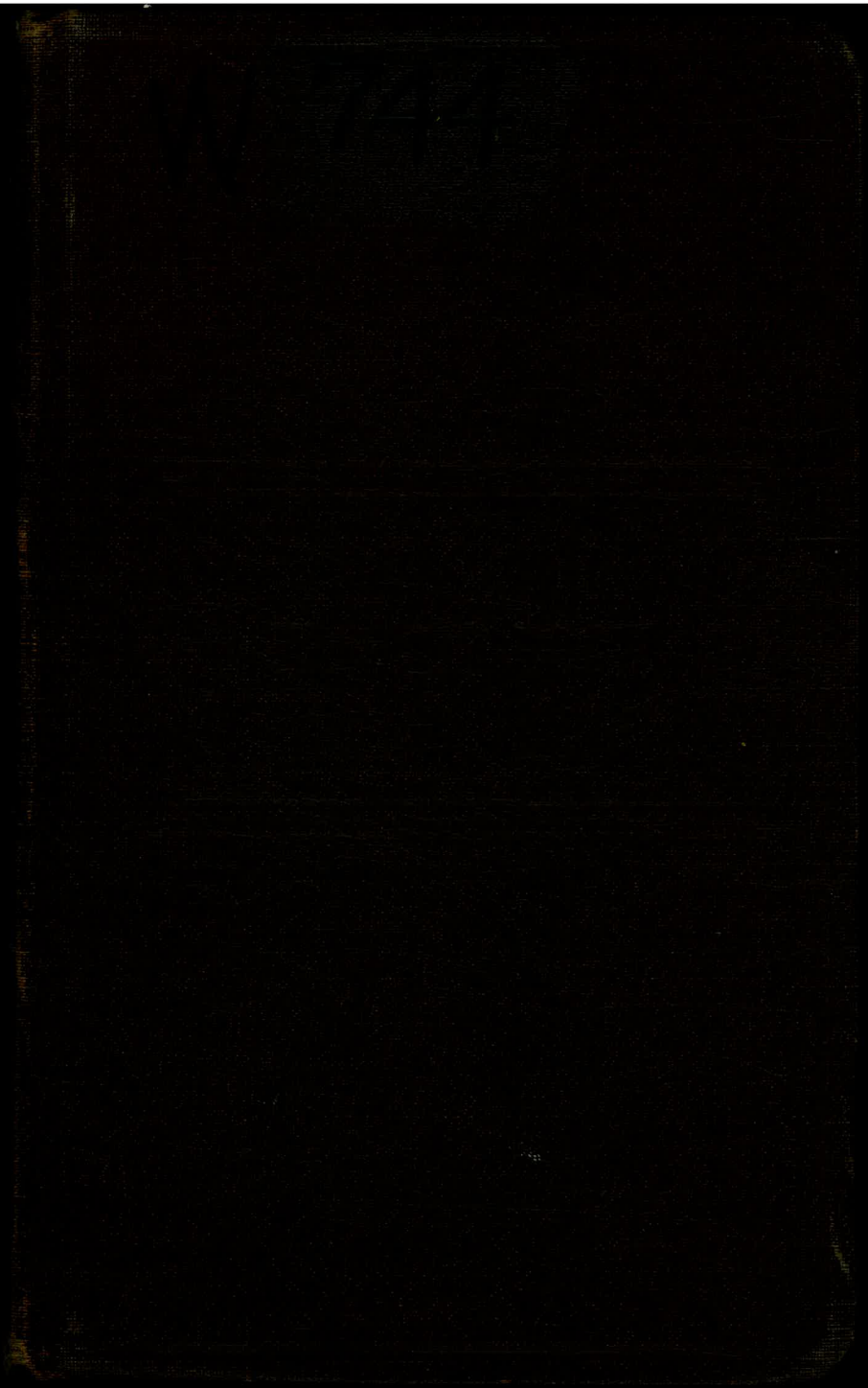

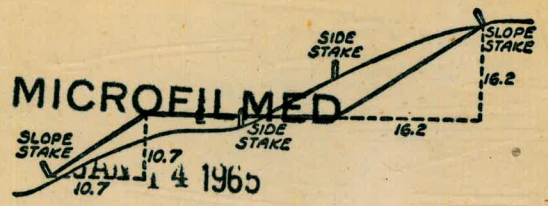

Distances from Side Stakes for Cross-Sectioning

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.

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BOOK 744

IMPROVED TABLES AND INFORMATION

DIRECTIONS FOR USE OF TABLES

TABLE No. XIV

Distance of slope stake from side or shoulder stake for any width roadway, slope 1½ 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 No. VIII

To find Tangent and External for curve of any other degree, divide by degree of curve and add correction found in column of corrections. Degree of curve with a given I may be found by dividing tangent, (or external), opposite I by given tangent, (or external).

The distance from a point on the tangent to the curve is very nearly the square of the tangent length divided by twice the radius.

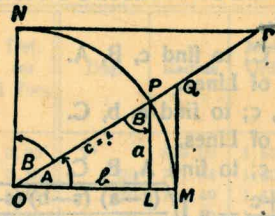

TABLE II

TRIGONOMETRIC FORMULÆ.

$\angle A = \angle MOP \qquad \angle B = \angle PON = \angle OPL$

$R = OB = c = 1$

$$\sin A = \frac{a}{c} = \frac{a}{1} = a = \text{sos } B = LP$$

$$\text{sos } A = \frac{b}{c} = \frac{b}{1} = b = \sin B = OL$$

$$\tan A = \frac{a}{b} = \frac{MQ}{OM} = \frac{MQ}{1} = MQ = \cot B = MQ$$

$$\cot A = \frac{NT}{ON} = \frac{NT}{1} = NT = \tan B = NT$$

$$\sec A = \frac{OQ}{OM} = \frac{OQ}{1} = OQ = \csc B = OQ$$

$$\csc A = \frac{OT}{ON} = \frac{OT}{1} = OT = \sec B = OT$$

$$\text{vers } A = \frac{LM}{OP} = LM = \text{covers } B$$

$$\text{covers } A = \frac{OP - LP}{OP} = OP - LP = \text{vers } B$$

$$\text{exsec } A = PQ = \text{coexsec } B$$

$$\text{coexsec } A = PT = \text{exsec } B$$

$$\sin \tfrac{1}{2} A = \sqrt{\frac{1 - \text{Cos } A}{2}} \qquad \cos \tfrac{1}{2} A = \sqrt{\frac{1 + \text{Cos } A}{2}}$$

$$\sin 2A = 2 \sin A \cos A \qquad \cos 2A = \cos^2 A - \sin^2 A$$

$$\text{Law of Lines} \quad \frac{\sin A}{a} = \frac{\sin B}{B} = \frac{\sin C^1}{C}$$

$$\text{Law of Cosines} \quad c^2 = a^2 + b^2 - 2ab \cos C$$

$$\text{Law of Tangents} \quad \frac{a+b}{a-b} = \frac{\tan \tfrac{1}{2}(A+B)}{\tan \tfrac{1}{2}(A-B)}$$

TABLE IX

MIDDLE ORDINATES OF RAILS

Length of Rail (feet)

C °	R Feet	30 Inch	28 Inch	26 Inch	24 Inch	22 Inch	20 Inch	C °	R Feet	30 Inch	28 Inch	26 Inch	24 Inch	22 Inch	20 Inch
0 -20	17189	.08	.07	.06	.05	.04	.03	8	716.8	1.88	1.64	1.42	1.20	1.01	.84
0 - 40	8594	.16	.14	.12	.10	.08	.07	9	637.3	2.12	1.84	1.60	1.35	1.14	.94
1 -0	5730	.24	.20	.18	.15	.13	.10	10	573.7	2.36	2.05	1.78	1.50	1.27	1.04
1 - 20	4297	.31	.27	.23	.20	.17	.13	11	521.7	2.59	2.26	1.95	1.65	1.39	1.15
1 - 40	3438	.39	.34	.29	.25	.21	.17	12	478.3	3.83	2.47	2.15	1.81	1.54	1.26
2 - 0	2865	.47	.41	.35	.30	.25	.20	13	441.7	3.05	2.66	2.30	1.96	1.66	1.36
2 - 20	2456	.55	.48	.41	.35	.29	.23	14	410.3	3.30	2.87	2.48	2.10	1.78	1.46
2 - 40	2149	.63	.55	.47	.40	.33	.27	15	383.1	3.54	3.08	2.68	2.26	1.91	1.57
3 - 0	1910	.71	.62	.53	.45	.38	.31	16	359.3	3.76	3.28	2.83	2.40	2.04	1.67
3 - 20	1719	.78	.68	.59	.50	.42	.35	17	338.3	4.00	3.48	3.02	2.57	2.16	1.78
3 - 40	1563	.86	.75	.65	.55	.46	.38	18	319.6	4.21	3.67	3.18	2.70	2.28	1.87
4 - 0	1433	.94	.82	.71	.60	.50	.42	19	302.9	4.45	3.89	3.36	2.86	2.41	1.98
4 - 20	1323	1.02	.89	.77	.65	.55	.45	20	287.9	4.70	4.09	3.55	3.00	2.54	2.09
4 - 40	1228	1.10	.96	.83	.70	.59	.48	22	262.0	5.16	4.44	3.84	3.30	2.80	2.29
5	1146	1.18	1.03	.89	75	.63	.52	24	240.5	5.64	4.92	4.20	3.59	3.04	2.50
6	955.3	1.41	1.23	1.06	.90	.76	.62	26	222.3	6.07	5.29	4.58	3.88	3.29	2.70
7	819.0	1.65	1.44	1.24	1.05	.89	.73								

TABLE X

SHORT RADIUS CURVES

Radius Feet	Chord Feet	Central Angle	Deflection Angle	Deflection for 1 Foot
35	10	16—26	8—13	49.3
45	10	12—46	6—23	38.3
50	15	17—16	8—38	34.5
60	15	14—22	7—11	28.8
75	15	11—30	5—45	23.0
100	20	11—30	5—45	17.3
120	20	9—34	4—47	14.3
150	20	7—39	3—49	11.5
190	25	7—32	3—46	9.15
200	25	7—10	3—35	8.6
225	25	6—25	3—12	7.7
240	25	5 58	2—59	7.2
250	25	5 44	2—52	6.9
275	25	5—12	2—36	6.2
288	50	9—58	4—59	6.0
300	50	9 -32	4—46	5.7
350	50	8—12	4—06	4.9
376	50	7—40	3—50	4.6
400	50	7—10	3—35	4.3
410	50	7—00	3—30	4.2

To find length of curve divide angle from P. C. to P. T. by central angle of chord, and multiply by length of chord.

TABLE XI

INCLINED DISTANCE OF 100 FT. REDUCED TO HORIZONTAL.

Slope	Horizontal Distance	Correction	Rise	Slope	Horizontal Distance	Correction	Rise
0°00′	100.000	0.000	0.000	8°00′	99.027	0.973	0.139
15′	99.999	0.001	0.004	15′	98.965	1.035	0.143
30′	99.996	0.004	0.009	30′	98.902	1.098	0.148
45′	99.991	0.009	0.013	45′	98.836	1.164	0.152
1 00	99.985	0.015	0.017	9 00	98.769	1.231	0.156
15	99.976	0.024	0.022	15	98.700	1.300	0.161
30	99.966	0.034	0.026	30	98.629	1.371	0.165
45	99.953	0.047	0.031	45	98.556	1.444	0.169
2 00	99.939	0.061	0.035	10 00	98.481	1.519	0.174
15	99.923	0.077	0.039	15	98.404	1.596	0.178
30	99.905	0.095	0.044	30	98.325	1.675	0.182
45	99.885	0.115	0.048	45	98.245	1.755	0.187
3 00	99.863	0.137	0.052	11 00	98.163	1.837	0.191
15	99.839	0.161	0.057	15	98.079	1.921	0.195
30	99.813	0.187	0.061	30	97.992	2.008	0.199
45	99.786	0.214	0.065	45	97.905	2.095	0.204
4 00	99.756	0.244	0.070	12 00	97.815	2.185	0.208
15	99.725	0.275	0.074	15	97.723	2.277	0.212
30	99.692	0.308	0.078	30	97.630	2.370	0.216
45	99.657	0.343	0.083	45	97.534	2.466	0.221
5 00	99.619	0.381	0.087	13 00	97.437	2.563	0.225
15	99.580	0.420	0.092	15	97.338	2.662	0.229
30	99.540	0.460	0.096	30	97.237	2.763	0.233
45	99.497	0.503	0.100	45	97.134	2.866	0.238
6 00	99.452	0.548	0.105	14 00	97.030	2.970	0.242
15	99.406	0.594	0.109	15	96.923	3.077	0.246
30	99.357	0.643	0.113	30	96.815	3.185	0.250
45	99.307	0.693	0.118	45	96.705	3.295	0.255
7 00	99.255	0.745	0.122	15 00	96.593	3.407	0.259
15	99.200	0.800	0.126	15	96.479	3.521	0.263
30	99.144	0.856	0.131	30	96.363	3.637	0.267
45	99.087	0.913	0.135	45	96.246	3.754	0.271

For each foot take one one-hundredth of each reading.

TABLE XII

MINUTES IN DECIMALS OF A DEGREE.

0′30″	.00833	10′30″	.17500	20′30″	.34167	30′30″	.50833	40′30″	.67500	50′30″	.84167
1 00	.01667	11 00	.18333	21 00	.35000	31 00	.51667	41 00	.68333	51 00	.85000
30	.02500	30	.19167	30	.35833	30	.52500	30	.69167	30	.85833
2 00	.03333	12 00	.20000	22 00	.36667	32 00	.53333	42 00	.70000	52 00	.86667
30	.04167	30	.20833	30	.37500	30	.54167	30	.70833	30	.87500
3 00	.05000	13 00	.21667	23 00	.38333	33 00	.55000	43 00	.71667	53 00	.88333
30	.05833	30	.22500	30	.39167	30	.55833	30	.72500	30	.89167
4 00	.06667	14 00	.23333	24 00	.40000	34 00	.56667	44 00	.73333	54 00	.90000
30	.07500	30	.24167	30	.40833	30	.57500	30	.74167	30	.90833
5 00	.08333	15 00	.25000	25 00	.41667	35 00	.58333	45 00	.75000	55 00	.91667
30	.09167	30	.25833	30	.42500	30	.59167	30	.75833	30	.92500
6 00	.10000	16 00	.26667	26 00	.43333	36 00	.60000	46 00	.76667	56 00	.93333
30	.10833	30	.27500	30	.44167	30	.60833	30	.77500	30	.94167
7 00	.11667	17 00	.28333	27 00	.45000	37 00	.61667	47 00	.78333	57 00	.95000
30	.12500	30	.29167	30	.45833	30	.62500	30	.79167	30	.95833
8 00	.13333	18 00	.30000	28 00	.46667	38 00	.63333	48 00	.80000	58 00	.96667
30	.14167	30	.30833	30	.47500	30	.64167	30	.80833	30	.97500
9 00	.15000	19 00	.31667	29 00	.48333	39 00	.65000	49 00	.81667	59 00	.98333
30	.15833	30	.32500	30	.49167	30	.65833	30	.82500	30	.99167
10 00	.16667	20 00	.33333	30 00	.50000	40 00	.66667	50 00	.83333	60 00	1.00000

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

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JAN. 4 1950 CLEAR & COOL

BAKER, T & NOTES KDE 106346
PAYNE, A.C.
CARVER, R.C.

SETTLING BASIN: CHECK FORM DIVIDING DK.

		H.I	
B.M	+2.80	546.78	543.98
	GRADE	ROD	ELEV.
E 222.58 N 4.83	541.17	-5.60	541.18
" S 5.00	"	-5.60	541.18
" S 15.17	"	-5.60	541.18
E 229.58 N 4.83	"	-5.60	541.18
" S 5.00	"	-5.61	541.17
" S 15.17	"	-5.61	541.17
E 230.58 N 4.83	"	-5.61	541.17
" S 5.00	"	-5.62	541.16
" S 15.17	"	-5.61	541.17
E 231.58 N 4.83	"	-5.60	541.18
" S 5.00	"	-5.61	541.17
" S 15.17	"	-5.60	541.18
E 236.08 N 4.83	539.11	-7.67	539.11
" S 5.00	"	-7.67	539.11
" S 15.17	"	-7.67	539.11
239.58 N 4.83	541.17	-5.60	541.18
" S 5.00	"	-5.60	541.18
" S 15.17	"	-5.61	541.17

(Cont'd)

SETTLING BASIN: CK FORM DIVIDING DK (Cont)

		H.I =	546.78	
		GRADE	ROD	ELEV.
E 240.58 N 4.83		541.17	5.61	541.17
"	5.00	"	-5.61	541.17
"	15.17	"	-5.60	541.18
CK. ELEVS OF LONG COLLECTOR BOLTS.				
E 235.52		540.75	-6.02	540.76
"		"	-6.03	540.75
E 236.64		"	-6.03	540.75
"		"	-6.03	540.75
CK. B.M.			-2.80	543.98 CK

JAN 3, 1950, BAKER T & NOTES, WAYNE, N.C., CARVER, R.C

CLEAR & COOL KEE 106346

SETTLED WATER CONDUIT: CHECK FORMS FOR GRADE.

			H.I	
B.M.		+ 4.72	555.22	550.50
		GRADE		
N 4.83 E 158.58		550.50	-4.72	550.50
"	E 168.58	"	-4.72	550.50
"	E 178.58	"	-4.72	550.50
"	E 188.58	"	-4.72	550.50
"	E 192.58	"	-4.72	550.50
S 4.83	E 158.58	"	-4.72	550.50
"	E 168.58	"	-4.72	550.50
"	E 178.58	"	-4.72	550.50
"	E 188.58	"	-4.72	550.50
"	E 192.58	"	-4.72	550.50
N.O.	E 192.58	550.02	-5.20	550.02
CK. B.M.			-4.72	550.50 CK

JAN 3, 1950 CLEAR & COOL
BAKER, T. & NOTES K&E 106346
PAYNE, H.C.
CARVER, R.C.

MIXING BASIN PADDLE SUPPORT COLUMNS: CHECK ELEV.

		H.I.	
B.M.	+ 4.36	551.02	546.66
	GRADE	ROD	ELEV.
N61.80 E326.68	541.40	-9.62	541.40
" E343.10	"	-9.61	541.41
" E357.53	"	-9.61	541.41
" E372.96	"	-9.62	541.40
" E388.38	"	-9.62	541.40
SET PADDLE SUPPORT BOLTS.			
E326.68 N62.29	541.78	9.24	541.78
" N61.31	"	9.24	541.78
E342.10 N62.29	"	9.24	541.78
" N61.31	"	9.24	541.78
E357.53 N62.29	"	9.24	541.78
" N61.31	"	9.24	541.78
E372.96 N62.29	"	9.24	541.78
" N61.31	"	9.24	541.78
E388.38 N62.29	"	9.24	541.78
N61.81	"	9.24	541.78
CK. B.M.		-4.36	546.66 CK.

JAN. 4, 1950 CLEAR COOL
BAKER, T. & NOTES K&E 106346
PAYNE, H.C.
CARVER, R.C.

SETTLING BASIN: DIVIDING SLAB: CK. ELEV.

		H.I.	
B.M.	-0.43	546.31	546.74
	GRADE	ROD	ELEV.
E94.58 S101.17	541.17	-5.14	541.17
" S111.17	"	-5.15	541.16
" S121.17	"	-5.14	541.17
" S131.17	"	-5.15	541.16
" S143.42	"	-5.15	541.16
E95.58 S101.17	"	-5.14	541.17
" S111.17	"	-5.14	541.17
" S121.17	"	-5.13	541.18
" S131.17	"	-5.14	541.17
" S143.42	"	-5.14	541.17
E102.58 S101.17	"	-5.15	541.16
" S111.17	"	-5.15	541.16
" S121.17	"	-5.14	541.17
" S131.17	"	-5.14	541.17
" S143.42	"	-5.15	541.16
E110.58 S101.17	"	-5.15	541.16
" S111.17	"	-5.15	541.16
" S121.17	"	-5.14	541.17

(Con't)

SETTLING BASIN cont

H.I = 546.31

		GRADE	ROD	ELEV.
E 10358	S 131.17	541.17	5.15	541.16
"	S 143.42	"	5.15	541.16
E 11158	S 101.17	"	5.15	541.16
"	S 111.17	"	5.14	541.17
"	S 121.17	"	5.15	541.16
"	S 131.17	"	5.14	541.17
"	S 143.42	"	5.14	541.17
E 11258	S 101.17	"	5.15	541.16
"	S 111.17	"	5.15	541.16
"	S 121.17	"	5.14	541.17
"	S 131.17	"	5.14	541.17
"	S 143.42	"	5.14	541.17
E 11958	S 101.17	"	5.15	541.16
"	S 111.17	"	5.14	541.17
"	S 121.17	"	5.14	541.17
"	S 131.17	"	5.14	541.17
"	S 143.42	"	5.14	541.17
E 12058	S 101.17	"	5.15	541.16

SETTLING BASIN (Cont)

H.I = 546.31

		GRADE	ROD	ELEV.
E 12058	S 111.17	541.17	5.15	541.16
"	S 121.17	"	5.15	541.16
"	S 131.17	"	5.14	541.17
"	S 143.42	"	5.15	541.16
CK B.M		"	+0.43	546.74 ck

JAN 6, 1950 — CLEAR & COOL

BAKER, T. & NOTES
PAYNE, H.C.
CARVER, K.C.

I.B.E. 106346

MIXING BASIN: PADDLE WHEEL SUPPORTS: SET BOLTS

		H.I.	
B.M.	+ 4.56 GRADE	551.22 −	546.66 ELEV.
E 219.78 N 15.35	541.77	-9.45	541.77
" N 14.37	"	-9.45	541.77
E 235.21 N 15.35	"	-9.45	541.77
" N 14.37	"	-9.45	541.77
E 250.63 N 15.35	"	-9.45	541.77
" N 14.37	"	-9.45	541.77
E 266.06 N 15.35	"	-9.45	541.77
" N 14.37	"	-9.45	541.77
E 281.49 N 15.35	"	-9.45	541.77
" N 14.37	"	-9.45	541.77
E 219.78 N 31.00	"	-9.45	541.77
" N 30.02	"	-9.45	541.77
E 235.21 N 31.00	"	-9.45	541.77
" N 30.02	"	-9.45	541.77
E 250.63 N 31.00	"	-9.45	541.77
" N 30.02	"	-9.45	541.77
E 266.06 N 31.00	"	-9.45	541.77
" N 30.02	"	-9.45	541.77

MIXING BASIN: PADDLE SUPPORT BOLTS (Cont'd)

	H.I. = GRADE	ROD	ELEV.
E 281.49 E 31.00	541.77	-9.45	541.77
" E 30.02	"	9.45	541.77
CK. B.M.		-4.56	546.66 CK

JAN 6, 1950
BAKER, T. & NOTES
PAYNE, H.C.
CARVER, R.C.

CLEAR & COOL

SETTLING BASIN: CHECK TROUGH WEIRS FOR ELEV.

B.M.		+ 4.60	555.10	550.50
		GRADE	ROD	ELEV.
E 97.83	S 4.84	548.52	-6.58	548.52
E 100.33	"	"	-6.58	548.52
E 97.83	S 9.84	"	-6.59	548.51
E 100.33	"	"	-6.58	548.52
E 97.83	S 15.17	"	-6.58	548.52
E 100.33	S 15.17	"	-6.58	548.52
E 114.83	S 4.84	"	-6.58	548.52
E 117.33	"	"	-6.58	548.52
E 114.83	S 9.84	"	-6.59	548.51
E 117.33	"	"	-6.59	548.51
E 114.83	S 15.17	"	-6.58	548.52
E 117.33	"	"	-6.58	548.52
CK. B.M.			-4.60	550.50

JAN 5TH, 1950
BAKER, T. & NOTES
PAYNE, H.C.
CARVER, R.C.
K & E 10 6346

SETTLING BASIN: CHECK SLAB & RAIL FORMS FOR ELEV.

BM		+ 5.22	540.23	535.01
		GRADE	-	ELEV.
E 162.58	S 58.17	595.00	-5.23	535.00
"	S 68.17	"	-5.23	535.00
"	S 78.17	"	-5.23	535.00
"	S 88.17	"	-5.23	535.00
"	S 98.17	"	-5.23	535.00
"	S 101.17	"	-5.23	535.00
E 171.58	S 58.17	"	-5.23	535.00
"	S 68.17	"	-5.23	535.00
"	S 78.17	"	-5.23	535.00
"	S 88.17	"	-5.23	535.00
"	S 98.17	"	-5.23	535.00
"	S 101.17	"	-5.23	535.00
E 179.58	S 58.17	"	-5.23	535.00
"	S 68.17	"	-5.23	535.00
"	S 78.17	"	-5.23	535.00
"	S 88.17	"	-5.23	535.00
"	S 98.17	"	-5.23	535.00
"	S 101.17	"	-5.23	535.00

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JAN. 5, 1950
BAKER, T & NOTES
PAYNE, H.C
CARVER, R.C
N&E 106346

CLEAR & COOL

FILTERS: CHECK FINISHED CONC.

		H.I. 539.36	
B.M.	+2.42 GRADE	ROD	536.94
W62.08 N48.25	537.00	-2.42	536.94
W66.25 "	"	-2.42	536.94
W62.08 N58.25	"	-2.41	536.95
W66.25 "	"	-2.41	536.95
W62.08 N68.25	"	-2.41	536.95
W66.25 "	"	-2.41	536.95
W62.08 N78.25	"	-2.42	536.94
W66.25 "	"	-2.42	536.94
W62.08 N82.25	"	-2.42	536.94
W66.25 "	"	-2.42	536.94
CK. B.M.		-2.42	536.94 CK

JAN 5, 1950
BAKER, T & NOTES
PAYNE, H.C.
CARVER, R.B.
N&E 106346
BAKER

CLEAR & COOL

HEADHOUSE: CHECK ROOM FORMS OF ENTRANCE

		H.I. 550.87	
B.M.	+3.90 GRADE	ROD	546.97 ELEV.
N114.00 E0.42	548.17	-2.69	548.18
" E3.50	548.17	-2.70	548.17
" W6.83	548.17	-2.70	548.17
N105 E0.42	549.50	-1.36	549.51
" W6.83	"	-1.35	549.52
N113.42 E0.42	549.42	-1.44	549.43
" W6.83	"	-1.44	549.43
CK. B.M.		-3.90	546.97 CK.

JAN 9TH 1950
BAKER T NOTES
PAYNE, H.C
CARVER, R.C
KEE 106346

COOL - CLEAR

SETTLING BASIN CHECK WEST WALL & WALKWAY

				H.I.	
B.M.			+ 4.45	555.10	550.65
			GRADE	ROD	ELEV.
WC	E387.58	S15.17	550 50	-4.59	550.51
WC	E391.58	S15.17	"	-4.61	550.49
WC	E387.58	S25.17	"	4.60	550.50
WC	E391.58	S25.17	"	4.60 ~~4.61~~	550.50 ~~550.49~~
WC	E387.58	S35.17	"	4.61	550.49
WC	E391.58	S35.17	"	4.60	550.50
WC	E387.58	S45.17	"	4.61	550.49
WC	E391.58	S45.17	"	4.60 ~~4.61~~	550.50 ~~550.49~~
WC	E387.58	S58.17	"	4.60 ~~4.62~~	550.50 ~~550.48~~
WC	E391.58	S58.17	"	4.60 ~~4.61~~	550.50 ~~550.49~~
CK	CK. B.M.			-4.45	550.65 OK

CONT. FROM PAGE 11

SETTLING BASIN CHECK

H.I = 540.23

		GRADE		
E1885	S58.17	535.00	-5.23	535.00
"	68.17	"	-5.23	535.00
"	78.17	"	-5.23	535.00
"	88.17	"	-5.23	535.00
"	98.17	"	-5.23	535.00
"	101.17	"	-5.23	535.00
E192.58	S58.17	"	-5.23	535.00
"	68.17	"	-5.23	535.00
"	78.17	"	-5.23	535.00
"	88.17	"	-5.23	535.00
"	98.17	"	-5.23	535.00
"	101.17	"	-5.23	535.00
OK B.M.			-5.22	535.81 OK.

JAN 9, 1950
BAKER NOTES
PAYNE, ROD
CARVER, T KGE 106346

2" FUEL OIL LINE		H.I.	INV. GR.	
B.M.	+4.12	551.09	546.97	3' OFF
	GRADE	—	ELEV.	
N110.50 W16.50	543.50	-8.69	542.40	F 1.10
" W30.50	543.40	7.09	544.00	C 0.60
" W44.50	543.30	8.07	543.02	F 0.28
B.M.	+1.71	H.I. 548.71	547.00	3' OFF
N110.50 W86.50	543.00	~~5.64~~	543.07	C 0.07
" W100.50	542.90	4.59 5.15	544.12 ~~543.61~~	C 0.66
" W114.50	542.80	4.85	543.86	C 1.06
" W128.50	~~542.70~~	4.59	544.12	C 1.42
B.M.	+3.38	H.I. 550.35	546.97	3' OFF
N110.50 W58.50	543.20	-4.98	545.37	C 2.17
W72.50	543.10	-5.11	545.24	C 2.14
B.M.	+2.94	H.I. 549.91		
N110.50 W86.50	543.00	-5.26	544.65	C 1.65
" W100.50	542.90	-5.79	544.12	C 1.22
" W114.50	542.80	-6.06	543.85	C 1.05
" W128.50	542.70	-6.36	543.55	C 0.85

JAN 9, 1950
BAKER, NOTES
PAYNE, ROD
CARVER, T KGE 106346

CLEAR COOL 17

BUTANE LINE	N111.50 —		INV. GR.	
B.M.	+4.12	H.I. 551.09	546.97	2' OFF
	GRADE	—	ELEV.	
N111.50 W30.50	543.66	7.09	544.00	C 0.34
W44.50	543.74	8.07	543.02	F 0.72
B.M.	+1.71	H.I. 548.71	547.00	2' OFF
N111.50 W86.50	543.95	~~5.64~~	543.07	F 0.88
W100.50	~~543.81~~	5.15	543.56	F 0.47
W114.50	544.10	4.85	543.86	F 0.24
W128.50	544.17	4.59	544.12	F 0.05
W144.75	~~544.25~~	3.96	544.75	C 0.52
B.M.	+3.38	H.I. 550.35	546.97	2' OFF
N111.50 W58.50	543.82	-4.98	545.37	C 1.56
W72.50	543.88	-5.11	545.24	C 1.36
B.M.	+2.94	H.I. 549.91	546.97	C
N111.50 W86.50	543.95	-5.26	544.65	C 0.70
" W100.50	544.03	-5.79	544.12	C 0.19
" W114.50	544.10	-6.06	543.85	F 0.25
" W128.50	544.17	-6.36	543.55	F 0.62
W144.75	544.23	-6.84	543.07	F 1.16

JAN. 10, 1950 CLEAR & COOL
BAKER, T. NOTES
PAYNE, H.C.
CARVER, R.C.

ZEOLITE: CHECK WALL FORMS FOR ELEV.S

B.M.	+4.36 GRADE	543.36 ROD	539.00 ELEV.
W15 S 30.38	535.50	7.85	535.51
" 535.58	"	7.86	535.50
" S 40.58	"	7.86	535.50
" S 45.58	"	7.85	535.51
" S 51.38	"	7.86	535.50
RECESS OPENINGS S45.83 W15	532.46	10.91	532.45
S 46.83 W15	532.46	10.91	532.45
RECESS OPEN. S 38.58 W15	532.75	10.67	532.69
S 42.58 W15		10.67	532.69

JAN 10, 1950 COOL - CLEAR
BAKER, T. NOTES
PAYNE, H.C.
CARVER, R.C.
H & E 106346

ZEOLITE: CHECK WALL FORMS FOR ELEV.

BM	+4.36 GRADE	543.36 ROD	539.00 ELEV.
W15 S 53.58	535.50	7.86	535.50
" S 57.58	"	7.86	535.50
" S 62.58	"	7.86	535.50
" S 67.58	"	7.85	535.51
" S 73.58	"	7.86	535.50
RECESS OPENINGS W15 S 68.87	532.46	10.91	532.45
" S 67.83	"	10.91	532.45
RECESS OPENINGS W15 S 61.58	532.75	10.67	532.69
" S 64.58	532.76	10.67	532.69

JAN 10, 1950 CLEAR - WARM
BAKER, T & NOTES
PAYNE, H.C.
CARVER, R.C. 1446 106 346

SETTLING BASIN: CHECK FORMS OF TROUGHS AND WEIRS

B.M. +4.64 H.I. 555.14 550.50

		GRADE	ROD	ELEV.
E 97.83	S 15.17	548.52	-6.62	548.52
E 100.33	"	"	-6.62	548.52
E 97.83	S 25.17	"	-6.62	548.52
E 100.33	"	"	-6.62	548.52
E 97.83	S 35.17	"	-6.62	548.52
E 100.33	"	"	-6.63	548.51
E 97.83	S 45.17	"	-6.62	548.52
E 100.33	"	"	-6.63	548.51
E 97.83	S 58.17	"	-6.62	548.52
E 100.33	"	"	-6.62	548.52
E 114.83	S 15.17	"	-6.62	548.52
E 117.33	S 15.17	"	-6.62	548.52
E 114.83	S 25.17	"	-6.63	548.51
E 117.33	"	"	-6.62	548.52
E 114.83	S 35.17	"	-6.62	548.52
E 117.33	"	"	-6.62	548.52
E 114.83	S 45.17	"	-6.62	548.52
E 117.33	"	"	-6.63	548.51

SETTLING BASIN (CONT'A)

H.I = 555.14

		GRADE	ROD	ELEV
E 114.83	S 58.17	548.52	-6.62	548.52
E 117.33	"	"	-6.62	548.52
CK. B.M.			-4.64	550.50

JAN 11, 1950 OVERCAST - COLD
BAKER, NOTES
PAYNE, ROD
CARVER, T
K&E 106346

ZEOLITE: CHECK OVERFLOW TROUGHS: WEIRS TO GRADE

			H.I. 544.08 Rod	ELEV.
B.M.		+5.08		539.00
		GRADE		
S 77.62	E 15	535.00	-9.08	535.00
"	E 30.5	535.015	-9.065	535.015
"	E 46.00	535.00	-9.08	535.00
S 78.79	E 15	535.00	-9.08	535.00
"	E 30.5	535.015	-9.065	535.015
"	E 46.00	535.00	-9.08	535.00
S 82.87	E 15	535.00	-9.08	535.00
"	E 30.5	535.015	-9.065	535.015
"	E 46.00	535.00	-9.08	535.00
S 84.04	E 15	535.00	-9.08	535.00
	E 30.5	535.015	-9.065	535.015
	E 46.00	535.00	-9.08	535.00
CK B.M.			-5.08	539.00 CK O.K

JAN 11, 1950 CLEAR - COLD
BAKER, NOTES
PAYNE, H.C
CARVER, T K&E 106346

MIXING BASIN PADDLE WHEEL SUPPORTS (FORMS)

PADDLE WHEEL SUPPORT BOLTS

			H.I. 551.01 Rod	ELEV.
B.M.		+4.35		546.66
FORMS		GRADE		
N 14.86	E 326.68	541.40	-9.61	541.40
"	E 342.10	"	-9.61	541.40
"	E 357.53	"	-9.61	541.40
"	E 372.96	"	-9.61	541.40
"	E 388.38	"	-9.61	541.40
N 30.51	E 326.68	"	-9.61	541.40
"	E 342.10	"	-9.61	541.40
"	E 357.53	"	-9.61	541.40
"	E 372.96	"	-9.61	541.40
"	E 388.38	"	-9.61	541.40
N 46.16	E 326.68	"	-9.61	541.40
"	E 342.10	"	-9.61	541.40
"	E 357.53	"	-9.61	541.40
"	E 372.96	"	-9.61	541.40
"	E 388.38	"	-9.61	541.40
TOP OF BOLTS				
N 15.35	E 326.68	541.78	-9.23	541.78
N 14.37	"	"	-9.53	541.78

JAN 11, 1950

(Cont. From Page 23)

MIXING BASIN: PADDLE SUPPORTS ELEV TOP OF BOLTS

		H.I. = 551.01 GRADE	ROD	ELEV.
N15.35	E342.10	541.78	-9.23	541.78
N14.37	"	"	-9.24	541.77
N15.35	E357.53	"	-9.23	541.78
N14.37	"	"	-9.23	541.78
N15.35	E 372.96	"	-9.22	541.79
N14.37	"	"	-9.23	541.78
N15.35	E 388.38	"	-9.23	541.78
N14.37	"	"	-9.23	541.78
N31.00	E 326.68		-9.23	541.78
N30.02	"		-9.22	541.79
N31.00	E 342.10		-9.23	541.78
N30.02	"		-9.23	541.78
N31.00	E 357.53		-9.23	541.78
N30.02	"		-9.23	541.78
N31.00	E 372.96		-9.23	541.78
N30.02	"		-9.24	541.77
N31.00	E 388.38		-9.23	541.78
N30.02	"		-9.23	541.78

JAN. 11, 1950

(Cont.)

MIXING BASIN: PADDLE SUPPORTS ELES. TOP OF BOLTS

		H.I. = 551.01 GRADE	ROD	ELEV.
N46.65	E 326.68	541.78	-9.23	541.78
N45.67	"	"	-9.23	541.78
N46.65	E342.10	"	-9.23	541.78
N45.67	"	"	-9.23	541.78
N46.65	E357.53	"	-9.23	541.78
N45.67	"	"	-9.22	541.79
N46.65	E 372.96	"	-9.23	541.78
N45.67	"	"	-9.23	541.78
N46.65	E 388.38	"	-9.23	541.78
N45.67	"	"	-9.23	541.78
CK B.M.		"	-4.35	546.66 CK.

JAN 11, 1950 COLD - CLOUDY
BAKER, NOTES
PAYNE, ROBERT
CARVER, T KHE 106346

SET CUTS FOR RETAINING WALL FOOTING

B.M.			+1.27 SUB GRADE	542.27 ROD	539.00 ELEV.	CUTS
S 134.58	W 43.17 W 50.67		528.00	-8.82	531.45	C-3.45
S 149.58	W 50.67 W 43.17		528.00	-8.69	531.58	C-3.58
S 149.58	W 42.67 W 51.17		526.00	-8.69	531.58	C-5.58
S 168.58	W 42.67 W 51.17		526.00	-8.75	531.52	C-5.52
S 187.58	W 42.67 W 51.17		526.00	-10.04	530.23	C-4.23

JAN 11, 1950 COLD - CLOUDY
BAKER, NOTES
PAYNE, H.C
CARVER, T KHE 106346

SETTLING BASIN: DIVIDING SLAB CHECK FORMS, RAILS, FOR ELEVS.

B.M.		+2.28 GRADE	546.26 ROD	543.98 ELEV.
RAIL E 128.58	S 15.17	544.17	-5.10	541.16
"	S 25.17	"	-5.10	541.16
"	S 35.17	"	-5.10	541.16
"	S 45.17	"	-5.10	541.16
"	S 55.17	"	-5.09	541.17
"	S 58.17	"	-5.08	541.18
E BAR E 129.58	S 15.17	"	-5.10	541.16
"	S 25.17	"	-5.09	541.17
"	S 35.17	"	-5.09	541.17
"	S 45.17	"	-5.10	541.16
"	S 55.17	"	-5.10	541.16
"	S 58.17	"	-5.08	541.18
E BAR E 136.58	S 15.17	"	-5.09	541.17
"	S 25.17	"	-5.09	541.17
"	S 35.17	"	-5.10	541.16
"	S 45.17	"	-5.10	541.16
"	S 55.17	"	-5.10	541.16

Settling Basin Dividing Slab (Cont'd)

H.I. 546.26

		Grade	Rod	Elev.
C BAR E136.58	S 58.17	541.17	-5.10	541.16
RAIL E137.58	S 15.17	"	-5.08	541.18
"	S 25.17	"	-5.09	541.17
"	S 35.17	"	-5.10	541.16
"	S 45.17	"	-5.10	541.16
"	S 55.17	"	-5.10	541.16
"	S 58.17	"	5.09	541.17
RAIL E145.58	S 15.17	"	-5.10	541.16
"	S 25.17	"	-5.10	541.16
"	S 35.17	"	-5.10	541.16
"	S 45.17	"	-5.11	541.15
"	S 55.17	"	-5.10	541.16
"	S 58.17	"	-5.09	541.17
C BAR E146.58	S 15.17	"	-5.11	541.15
"	S 25.17	"	-5.10	541.16
"	S 35.17	"	-5.10	541.16
"	S 45.17	"	-5.10	541.16
"	S 58.17	"	-5.10	541.16

Settling Basin Dividing Slab (Cont'd)

H.I. 546.26

		Grade	Rod	Elev.
C BAR E153.58	S 15.17	541.17	-5.09	541.17
"	S 25.17	"	-5.10	541.16
"	S 35.17	"	-5.09	541.17
"	S 45.17	"	-5.09	541.17
"	S 58.17	"	-5.10	541.16
RAIL E154.58	S 15.17	"	-5.11	541.15
"	S 25.17	"	-5.09	541.17
"	S 35.17	"	-5.10	541.16
"	S 45.17	"	-5.10	541.16
"	S 58.17	"	-5.10	541.16
FORM E158.58	S 15.17	"	-5.10	541.16
"	S 25.17	"	-5.10	541.16
"	S 35.17	"	-5.09	541.17
"	S 45.17	"	-5.09	541.17
"	S 58.17	"	-5.09	541.17
CK. B.M.			-2.28	543.98 CR

JAN 12, 1950
BAKER, NOTES
PAYNE, ROD
CARVER, T

COOL - CLEAR

HEADHOUSE: LOADING PLATFORM — CHECK FORMS

			H.I.	
B.M.		+4.41	551.07	546.66
		GRADE	ROD	ELEV.
N 114	E 47.08	548.17	-2.86	548.21
"	E 37.08	"	-2.86	548.21
"	E 27.08	"	-2.84	548.23
"	E 17.00	"	2.85	548.22
KN 114.79	E 47.08	549.42	-1.66	549.41
"	E 37.08	"	-1.66	549.41
"	E 27.08	"	1.65	549.42
"	E 17.00	"	1.66	549.41
N 105	E 47.08	549.50	1.56	549.51
"	E 37.08	"	1.56	549.51
"	E 27.08	"	1.56	549.51
"	E 17.00	"	1.56	549.51
CK B.M.			-4.41	546.66 CK

JAN 12, 1950
BAKER: T & NOTES
PAYNE: H.C
CARVER: R.O
KAE 106346

FILTERS: CHECK ELEVS OF WASH TROUGHS

~~FOR ELEVS AND GRADE.~~

		H.I	
B.M	+4.165	551.165	547.00
	GRADE		
W 48.08 N 81.79	545.00	-6.165	545.00
" N 79.95	"	-6.165	545.00
" N 74.54	"	-6.165	545.00
" N 72.70	"	-6.165	545.00
" N 67.29	"	-6.165	545.00
" N 65.45	"	-6.165	545.00
" N 60.64	"	-6.165	545.00
" N 58.20	"	-6.165	545.00
" N 52.79	"	-6.165	545.00
" N 50.95	"	-6.165	545.00
W 61.41 N 81.79	"	-6.165	545.00
N 79.95	"	-6.165	545.00
N 74.54	"	-6.165	545.00
N 72.70	"	-6.165	545.00
N 67.29	"	-6.165	545.00
N 65.45	"	-6.165	545.00
N 60.04	"	-6.165	545.00

(Cont'd)
H.I = 551.165

FILTERS: CHECK ELEV'S OF WASH TROUGHS

		GRADE		
W61.44	N 58.20	545.00	-6.165	545.00
	N 52.79	"	-6.165	545.00
	N 50.95	"	-6.165	545.00
W66.91	N 81.79	"	-6.165	545.00
"	N 79.95	"	-6.165	545.00
"	N 74.54	"	-6.165	545.00
"	N 72.70	"	-6.165	545.00
"	N 67.29	"	-6.165	545.00
"	N 65.45	"	-6.165	545.00
"	N 60.04	"	-6.165	545.00
"	N 58.20	"	-6.165	545.00
"	N 52.79	"	-6.165	545.00
"	N 50.95	"	-6.165	545.00
W80.34	N 81.79	"	-6.165	545.00
"	N 79.95	"	-6.165	545.00
"	N 74.54	"	-6.165	545.00
"	N 72.70	"	-6.165	545.00
"	N 67.29	"	-6.165	545.00
"	N 65.45	"	-6.165	545.00

(Cont'd)

FILTERS: CHECK ELEV'S OF WASH TROUGHS

H.I = 551.165

		GRADE		
W80.34	N 60.04	545.00	-6.165	545.00
"	N 58.20	"	-6.165	545.00
"	N 52.79	"	-6.165	545.00
"	N 50.95	"	-6.165	545.00
N81.24	N 81.79	"	-6.165	545.00
"	N 79.95	"	-6.165	545.00
"	N 74.54	"	-6.165	545.00
"	N 72.70	"	-6.165	545.00
"	N 67.29	"	-6.165	545.00
"	N 65.45	"	-6.165	545.00
"	N 60.04	"	-6.165	545.00
"	N 58.20	"	-6.165	545.00
"	N 52.79	"	-6.165	545.00
"	N 50.95	"	-6.165	545.00
OK. B.M.			-4.165	547.00 CR

JAN 12 1950 COLD - CLOUDY

BAKER, NOTES
PAYNE, H.B
CARVER, R.C

K4E 106346

SETTLING BASIN: DIVIDING SLAB: CHECK ELEV.

			H.I.	
BM.		+2.36	546.34	543.98
	RAIL 2.00	GRADE	ROD	ELEV.
E 248.58	N ~~4.83~~	541.17	5.18	541.16
"	S 0.17	"	5.17	541.17
"	S 10.17	"	5.17	541.17
"	S 15.17	"	5.17	541.17
	C BAR 2.00			
E 249.58	N ~~4.83~~	"	5.18	541.17
"	S 0.17	"	5.17	541.17
"	S 10.17	"	5.17	541.17
"	S 15.17	"	5.17	541.17
	BEAM 2.00			
E 253.08	N ~~4.83~~	539.11	7.23	539.11
"	S 0.17	"	7.24	539.10
"	S 10.17	"	7.24	539.10
"	S 15.17	"	7.24	539.10
	C BAR 2.00			
E 256.58	N ~~4.83~~	541.17	5.17	541.17
"	S 0.17	"	5.17	541.17
"	S 10.17	"	5.17	541.17
"	S 15.17	"	5.17	541.17
	RAIL 2.00			
E 257.58	N ~~4.83~~	"	5.18	541.17
"	S 0.17	"	5.17	541.17

SETTLING BASIN: DIVIDING SLAB CHECK ELEV'S.

H.I. = 546.34

		GRADE	ROD	ELEV.
E 257.58	S 10.17	541.17	5.17	541.17
"	S 15.17	"	5.17	541.17
	RAIL N 2.00			
E 265.58	N ~~4.83~~	"	5.18	541.17
"	S 0.17	"	5.17	541.17
"	S 10.17	"	5.17	541.17
"	S 15.17	"	5.17	541.17
E 266.58	N ~~4.83~~ 2.00	"	5.17	541.17
"	S 0.17	"	5.17	541.17
"	S 10.17	"	5.17	541.17
"	S 15.17	"	5.17	541.17
	BEAM 2.00			
E 270.08	N ~~4.83~~	539.11	7.25	539.09
"	S 0.17	"	7.24	539.10
"	S 10.17	"	7.24	539.10
"	S 15.17	"	7.24	539.10
	2.00			
E 273.58	N ~~4.83~~	541.17	5.18	541.17
"	S 0.17	"	5.17	541.17
"	S 10.17	"	5.17	541.17
"	S 15.17	"	5.17	541.17

SETTLING BASIN: DIVIDING SLAB CHECK ELEVS.

H.I = 546.34

		GRADE	ROD	ELEV.
E 274.58 N 2.00 4.83		541.17	5.17	541.17
" S 0.17		"	5.17	541.17
" S 10.17		"	5.17	541.17
" S 15.17		"	5.17	541.17
FORM E 278.58 N 2.00 4.83		"	5.17	541.17
" S 0.17		"	5.17	541.17
" S 10.17		"	5.17	541.17
" S 15.17		"	5.17	541.17
BOLTS (TOP) N 3.14 E 252.54		540.79	5.54	540.80
" E 253.62		"	5.55	540.79
N 2.38 E 252.54		"	5.55	540.79
" E 253.62		"	5.55	540.79
N 3.14 E 269.54		"	5.55	540.79
" E 270.62		"	5.54	540.80
N 2.38 E 269.54		"	5.54	540.80
" E 270.62		"	5.55	540.79
C.C.B.M.			2.36	543.98

- JAN 13, 1950 COLD-CLEAR 37
BAKER, NOTES
PAYNE, H.C.
CARVER, T, R.C K46 106 846

FILTERS: CHECK SLAB FORMS FOR GRADE.

H.I.

B.M +1.85 5K3.32 541.47

	GRADE	ROD	ELEV.
W 156.42 N 48.25	539.00	-4.32	539.00
" N 38.25	"	-4.32	539.00
" N 28.25	"	-4.32	539.00
" N 18.25	"	-4.32	539.00
" N 12.00	"	-4.32	539.00
W 148.59 N 48.25	"	-4.32	539.00
" N 38.25	"	-4.32	539.00
" N 28.25	"	-4.32	539.00
" N 18.25	"	-4.32	539.00
" N 12.00	"	-4.32	539.00
W 147.59 N 48.25	"	-4.32	539.00
" N 38.25	"	-4.32	539.00
" N 28.25	"	-4.32	539.00
" N 18.25	"	-4.32	539.00
" N 12.00	"	-4.32	539.00
W 115.42 N 48.25	"	-4.32	539.00
" N 38.25	"	-4.32	539.00
" N 28.25	"	-4.32	539.00

FILTERS; CHECK SLAB FORMS FOR GRADE (cont'd)

		H.I. 543.32	
	GRADE		
W115.42 N18.25	539.00	4.32	539.00
" N12.00	"	4.32	539.00
W113.42 N 48.25	"	4.32	539.00
" N38.25	"	4.32	539.00
" N28.25	"	4.32	539.00
" N18.25	"	4.32	539.00
" N 12.00	"	4.32	539.00
W81.24 N48.25	"	4.32	539.00
" N38.25	"	4.32	539.00
" N28.25	"	4.32	539.00
" N18.25	"	4.32	539.00
" N12.00	"	4.32	539.00
W80.24 N48.25	"	4.32	539.00
" N 38.25	"	4.32	539.00
" N 28.25	"	4.32	539.00
" N18.25	"	4.32	539.00
" N12.00	"	4.32	539.00

June 13, 1950
K&E 106346

BAKER - T
PAYNE - NOTES
CARVER - ROD

CHECK BEAMS, HEAD-HOUSE AT ELEV. 562.00

B.M. 2.77	HI 567.275	28	564.505
N98.52	560.58		
BEAM #208 W.	~~560.49~~	6.67	560.61
" EAST	560.49	6.77	560.51
N91.19			
#212 WEST	560.83	6.42	560.86
" EAST	560.74	6.53	560.75
N83.85			
#213 WEST	560.83	6.44	560.84
" EAST	560.74	6.53	560.75
N78.33			
#216 WEST	561.08	6.18	561.10
" EAST	560.99	6.28	561.00
N71.67			
#216 WEST	561.08	6.19	561.09
" EAST	560.99	6.28	561.00
N65			
#216 WEST	561.08	6.19	561.09
" EAST	560.99	6.28	561.00
N58.33			
#216 WEST	561.08	6.20	561.08
" EAST	560.99	6.28	561.00
N51.67			
#216 WEST	561.08	6.22	561.06
" EAST	560.99	6.28	561.00
N45			
#216A WEST	561.08	6.20	561.08
" EAST	560.99	6.27	561.01

NEXT PAGE

HI = 567.28

N.38.33 BEAM #216 WEST	561.08	6.20	561.08
" EAST	560.99	6.26	561.02
N.31.67 #216 WEST	561.08	6.20	561.08
" EAST	560.99	6.28	561.00
N.25.00 #216A WEST	561.08	6.20	561.08
" EAST	560.99	6.29	560.99
N.18.00 #219 WEST	561.08	6.18	561.10
" EAST	560.99	6.24	561.04 ✓
N 11 #219 WEST	561.08	6.18	561.10
" EAST	560.99	6.24	561.04 ✓
N 4.0 #222 WEST	560.47	6.80	560.48
" EAST	560.47	6.81	560.47
N 98.52 #209 WEST	560.42	6.79	560.49
" EAST	560.37	6.88	560.40
N 91.19 #203 WEST	560.68	6.53	560.75 ✓
" EAST	560.~~52~~ 62	6.65	560.63 ✓
N 83.86 #214 WEST	560.74	6.52	560.76
" EAST	560.62	6.66	560.62

NEXT PAGE

HI = 567.28

N 78.33 BEAM #217 WEST	560.99	6.27	561.01
" EAST	560.87	6.39	560.89
N 71.67 #217 WEST	560.99	6.27	561.01
" EAST	560.87	6.38	560.90
N 65 #217 WEST	560.99	6.27	561.01
" EAST	560.87	6.38	560.90
N 58.33 #217 WEST	560.99	6.27	561.01
" EAST	560.87	6.39	560.89
N 51.67 #217 WEST	560.99	6.28	561.00
" EAST	560.87	6.40	560.88
N 45.0 #217 WEST	560.99	6.27	561.01
" EAST	560.87	6.40	560.88
N 38.33 #217 WEST	560.99	6.28	561.00
" EAST	560.87	6.40	560.88
N 31.67 #217 WEST	560.99	6.28	561.00
" EAST	560.87	6.39	560.89
N 25.0 #217 WEST	560.99	6.29	560.99
" EAST	560.87	6.38	560.90

NEXT PAGE

HI = 567.28

N 18.00 BEAM #217 WEST	560.99	6.29	560.99
" EAST	560.87	6.39	560.89
N 111.00 #217 WEST	560.99	6.28	561.00
" EAST	560.~~99~~ .87	6.39	560.89
N 4.00 #221 WEST	560.97	6.28	561.00
" EAST	560.87	6.39	560.89
N 98.52 #210 WEST	560.37	6.89	560.39
" EAST	560.25	7.02	560.26
N 91.89 #204 WEST	560.62	6.65	560.63
" EAST	560.50	6.78	560.50
N 83.86 #215 WEST	560.62	6.60	560.68 ✓
" EAST	560.50	6.77	560.51
N 78.33 #218 WEST	560.87	6.39	560.89
" EAST	560.75	6.52	560.76
N 71.67 #218 WEST	560.87	6.38	560.90
" EAST	560.75	6.52	560.76
N 65.00 #218 WEST	560.87	6.38	560.90
" EAST	560.75	6.53	560.75

NEXT PAGE

HI = 567.28

N 58.33 BEAM #218 WEST	560.87	6.39	560.89
" EAST	560.75	6.53	560.75
N 51.67 #218 WEST	560.87	6.40	560.88
" EAST	560.75	6.53	560.75
N 45.00 #218 WEST	560.87	6.39	560.89
" EAST	560.75	6.52	560.75
N 38.33 #218 WEST	560.87	6.38	560.90
" EAST	560.75	6.53	560.75
N 31.67 #218 WEST	560.87	6.39	560.89
" EAST	560.75	6.53	560.75
N 25.00 #218 WEST	560.87	6.39	560.89
" EAST	560.75	6.53	560.75
N 18.00 #218 WEST	560.87	6.39	560.89
" EAST	560.75	6.53	560.75
N 11.00 #218 WEST	560.87	6.39	560.89
" EAST	560.75	6.53	560.75
# 239 E 7.00 NORTH	560.41	-6.86	560.42
" SOUTH	560.41	-6.85	560.43
+ 238 E 7.00 NORTH	560.41	-6.86	560.42

H.I. = 567.28

BEAM		GRADE	ROD	ELEV.
# 238	E 7.00 SOUTH	560.41	-6.86	560.42
# 237	E 7.00 NORTH	560.41	-6.86	560.42
"	SOUTH	560.41	-6.84	560.44
# 236	E 7.00 NORTH	560.41	-6.86	560.42
"	SOUTH	560.41	-6.86	560.42
# 235	E 7.00 NORTH	560.41	-6.87	560.41
"	SOUTH	560.41	-6.85	560.43
# 240	E 27.00 SOUTH	560.29	-6.97	560.31
"	NORTH	560.29	-6.97	560.31
# 241	E 27.00 SOUTH	560.29	-6.98	560.30
"	NORTH	560.29	-6.98	560.30
# 242	E 27.00 SOUTH	560.29	-6.98	560.30
"	NORTH	560.29	-6.96	560.32
# 243	E 27.00 SOUTH	560.29	-6.97	560.31
"	NORTH	560.29	-6.98	560.30
# 244	E 27.00 SOUTH	560.28	-7.07	560.21
"	NORTH	560.28	-7.07	560.21
# 205 W	E 10.00 NORTH	560.72	-6.55	560.73
"	SOUTH	560.72	-6.54	560.74

H.I = 567.28

		GRADE	ROD	ELEV.
# 205	E 16.00 NORTH	560.68	6.59	560.69
	SOUTH	560.68	6.56	560.72

BEAMS AROUND SKYLIGHT OPENING -

N58.33 E 11.50 A5	NORTH		-6.03	561.25
N51.67	SOUTH		-6.06	361.22
# N58.33 E 23.55 A6	NORTH		-6.13	561.15
N51.67	SOUTH		-6.13	561.15
# N45 E 11.50 A7	NORTH		-6.05	561.23
N38.33	SOUTH		-6.05	561.23
# N45 E 23.55 A8	NORTH		-6.14	561.14
N38.33	SOUTH		-6.12	561.16
# N31.67 E 11.50 A9	NORTH		-6.07	561.21
N25	SOUTH		-6.05	561.23
# 31.67 E 19.64 A10	NORTH		-6.12	561.16
N25.0	SOUTH		-6.11	561.17
N18 W 7.00 # 217	EAST	561.08	-6.16	561.12
W 27.00	WEST	560.91	-6.34	560.92
# N11.00 W 7.00 217	EAST	561.08	-6.17	561.11
W 27.00	WEST	560.91	-6.35	560.93

H.I = 567.28

		GRADE	ROD	ELEV.
BEAM # 221	N4 W7.0 W-EAST	561.05	-6.21	561.07
"	W27.00 WEST	560.91	-6.35	560.93
# 218	N18 W27 N-EAST	560.91	-6.34	560.92
"	W47 WEST	560.75	-6.51	560.77
# 218$	N11 W27 -EAST	560.91	-6.36	560.92
"	W47 WEST	560.75	-6.52	560.76
# 220B	N4 W27.00 EAST	560.91	-6.34	560.94
"	W47.00 WEST	560.75	-6.52	560.76
# 224A	S4.00 EAST	561.05	6.21	561.07
"	WEST	560.91	6.36	560.92
# 224B	S10.42 EAST	561.05	6.21	561.07
"	WEST	560.91	-6.34	560.94
# 224	S16.75 EAST	561.05	-6.21	561.07
"	WEST	560.91	-6.35	560.93
# 224	S23.08 EAST	561.05	-6.20	561.08
"	WEST	560.91	-6.36	560.92
# 223A	S4.0 EAST	560.91	-6.36	560.92
"	WEST	560.75	-6.52	560.76
# 223B	S10.92 EAST	560.91	-6.36	560.92

H.I = 567.28

		GRADE	ROD	ELEV.
# 223B	S10.92 WEST	560.75	-6.52	560.76
# 223C	S16.75 W27.0 EAST	560.91	-6.36	560.92
"	W47.0 WEST	560.75	-6.52	560.76
# 223D	S23.08 W27.0 EAST	560.91	-6.35	560.93
"	W47.0 WEST	560.75	-6.52	560.76
# 229	W28 S4.0 NORTH	560.41	-6.86	560.42
"	S29.50 SOUTH	560.41	-6.86	560.42
# 230	W28 S4.0 NORTH	560.41	-6.87	560.41
"	N4.00 SOUTH	560.41	-6.86	560.42
# 231	W28 N25.00 NORTH	560.41	-6.86	560.42
"	N4.00 SOUTH	560.41	-6.87	560.41
# 234A	N4 W12 NORTH	560.13	-7.12	560.16
529.50	SOUTH	560.13	-7.13	560.15
# 234B	N4 E12 NORTH	560.05	-7.21	560.07
529.50	SOUTH	560.05	-7.22	560.06
CK.B.M.			-2.77	564.51 OK

JAN 17, 1950. CLEAR - COOL
BAKER T & NOTES
PAYNE H.C
CARVER R.C K&E 10634G

FILTERS: CHECK OUTFLOW TROUGHS FOR GRADE.

B.M.		+5.285 GRADE	544.285 ROD	539.00 ELEV.
S88.12	E15	535.00	-9.28	535.005
S89.29	"	"	-9.27	535.015
S88.12	E30.5	535.015	-9.25 ~~-9.265~~	535.035
S89.29	"	"	-9.25	535.035
S88.12	E46.00	535.00	-9.255	535.030
S89.29	"	"	-9.255	535.030
S93.37	E15	535.00	-9.285	535.000
S94.46	"	"	-9.285	535.000
S93.37	E30.5	535.015	-9.26	535.025
S94.46	"	"	-9.26	535.025
S93.37	E46.00	535.00	-9.250	535.035
S94.46	"	535.00	-9.250	535.035
OK B.M.			~~-5.285~~	539.00

NOTE: THESE TWO TROUGHS FORMS FILLED WITH CONCRETE BEFORE CHECK UNABLE TO RAISE OR LOWER FORMS TO MEET REQUIRED ELEVS.

JAN 16, 1950 CLEAR - COOL
BAKER T & NOTES
PAYNE H.C
CARVER R.C K&E 10634G

SETTLING BASIN: TROUGH WEIRS, CHECK ELEV.

B.M		+4.70 GRADE	555.20 ROD	550.50 ELEV.
E97.83	S58.17	548.52	-6.68	548.52
E100.33	S58.17	"	-6.68	548.52
E97.83	S68.17	"	-6.68	548.52
E100.33	S68.17	"	-6.69	548.51
E97.83	S70.42	"	-6.69	548.51
E100.33	S70.42	"	-6.70	548.50
E114.83	S58.17	"	-6.69	548.51
E117.33	S58.17	"	-6.69	548.51
E114.83	S68.17	"	-6.69	548.51
E117.33	S68.17	"	-6.68	548.52
E114.83	S70.42	"	-6.68	548.52
E117.33	S70.42	"	-6.68	548.52
CK. B.M.			-4.70	550.50 CK

JAN 16, 1950 CLEAR · COOL
BAKER, A.T. NOTES
PAYNE, H.C
CARVER, R.C K&E. 106346

MIXING BASIN: CHECK PADDLE SUPPORT FORMS AND SET TOP OF BOLTS TO ELEV. B.M.

	GRADE	H.I. 543.09 ROD	ELEV.
	+5.08		538.01
E 233.62 N 75.33	542.44	-0.65	542.44
E 218.06 N 75.33	"	-0.65	542.44
E 202.50 N 75.33	"	-0.65	542.44
E 186.94 N 75.33	"	-0.65	542.44
E 171.37 N 75.33	"	-0.65	542.44
E 155.81 N 75.33	"	-0.65	542.44
BOLTS E 233.62 N 75.86	542.78	-0.31	542.78
" N 74.86	"	-0.31	542.78
E 218.06 N 75.80	"	-0.31	542.78
" N 74.86	"	-0.31	542.78
E 202.50 N 75.80	"	-0.31	542.78
" N 74.86	"	-0.31	542.78
E 186.94 N 75.80	"	-0.31	542.78
N 74.86	"	-0.31	542.78
E 171.37 N 75.80	"	-0.31	542.78
N 74.86	"	-0.31	542.78
E 155.81 N 75.80	"	-0.31	542.78

H.I. = 543.09

	GRADE	ROD	ELEV
E 155.81 N 74.86	542.78	-0.31	542.78
CK BM 1		-5.08	538.01 CK

JAN 16, 1950 CLEAR - COOL
BAKER, T. & NOTES
PAYNE, H.C
CARVER, R.C K4E106346

ZEOLITE.

			H.I.		
B.M.	+5.22		544.22		539.00
T.P.	+2.23	HI. 533.55		-12.90	531.32
		GRADE		ROD	ELEV.
S 74.58	E 3.50	527.25		-6.30	527.25
"	W 3.50	"		-6.29	527.26
S 84.58	E 3.50	"		-6.30	527.25
"	W 3.50	"		-6.29	527.26
S 94.58	E 3.50	"		-6.31	527.24
"	W 3.50	"		-6.30	527.25
S 111.40	E 3.50	"		-6.31	527.24
"	W 3.50	"		-6.29	527.26
S 74.58	W 2.50	528.25		-5.30	528.25
"	E 2.50	"		-5.30	528.25
S 84.58	W 2.50	"		-5.31	528.24
"	E 2.50	"		-5.29	528.26
S 94.58	W 2.50	"		-5.30	528.25
"	E 2.50	"		-5.31	528.24
S 111.41	W 2.50	"		-5.30	528.25
"	E 2.50	"		-5.30	528.25
CK. B.M (T.P.)				-2.23	531.32 CK

JAN 16, 1950 CLER-COOL
BAKER, T. & NOTES
PAYNE, H.C
CARVER, R.C. K4E106346

ELEC. LINE: CUTS FOR INV. GR. OF ELEC. PIPE FROM S 90.67 W 180.58 TO N.W. GATE.

B.M.	+7.10	541.49	534.39	
S 90.67 W 180.58	GRADE	ROD	ELEV.	CUT
0+00	534.00	-4.80	536.69	C- 2.69
0+25	533.62	-5.10	536.39	C- 2.77
0+50	533.25	-5.75	535.74	C- 2.49
0+75	532.87	-6.23	535.26	C- 2.39
1+00	532.50	-6.65	534.84	C- 2.34
Sump				
1+11	532.50	-6.93	534.56	C- 2.06
CK. B.M.		-7.10	534.39	CK.

JAN. 17, 1950 COOL-CLEAR
BAKER, NOTES
PAYNE
CARVER,

HEADHOUSE: LOADING PLATFORM · CHECK FORMS FOR GRADE

			H.I.	
B.M.	+4.46		551.12	546.66
N114	E 17.00	GRADE 548.17	-2.94	548.18
"	E 7.00	"	-2.92	548.20
"	W 3.00	"	-2.94	548.18
"	W 13.00	"	-2.94	548.18
"	W 17.00	"	-2.94	548.18
N114.79	E 17.00	549.42	-1.74	548.38
"	E 7.00	"	-1.70	548.42
"	W 3.00	"	-1.70	548.42
"	W 13.00	"	-1.70	548.42
"	W 17.00	"	-1.69	548.43
N113.46	E 17.00	549.42	-1.69	548.43
"	E 7.00	"	-1.69	548.43
"	W 3.00	"	-1.69	548.43
"	W 13.00	"	-1.69	548.43
"	W 17.00	"	-1.69	548.43
N105	E 17.00	549.50	-1.61	549.51
"	E 7.00	"	-1.61	549.51

H.I. = 551.12

		GRADE	ROD	ELEV.
N105	W 3.00	549.50	-1.60	549.52
"	W 13.00	"	-1.60	549.52
"	W 17.00	"	-1.60	549.52
N115	E 17.00	549.92	-1.21	549.91
"	E 7.00	"	-1.19	549.93
"	W 3.00	"	-1.19	549.93
"	W 13.00	"	-1.19	549.93
"	W 17.00	"	-1.20	549.92
CK BM		+	-4.46	546.66 CK

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JAN 17, 1950 CLEAR - COOL
BAKER, T. NOTES
PAYNE, H.C.
CARVER, R.C. KKE 106346

MIXING BASIN: CROSS WALK CHECK FORMS FOR GRADE

			B.M. +4.57	H.I. 555.07	550.60
			GRADE	ROD	ELEV.
N22.14	E129.58		549.50	5.58	549.49
"	E136.58		"	5.58	549.49
N32.14	E129.58		"	5.57	549.50
"	E136.58		"	5.57	549.50
N42.14	E129.58		"	5.58	549.49
"	E136.58		"	5.58	549.49
N53.44	E129.58		"	5.58	549.49
"	E136.58		"	5.58	549.49
N22.14	E130.08		550.50	4.57	550.50
"	E136.08		"	4.58	550.49
N32.14	E130.08		"	4.58	550.49
"	E136.08		"	4.57	550.50
N42.14	E130.08		"	4.58	550.49
"	E136.08		"	4.57	550.50
N53.44	E130.08		"	4.57	550.50
"	E136.08		"	4.58	550.49
CK B.M.				4.57	550.50 OK

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JAN 18, 1950 CLEAR - WARM
BAKER, T. NOTES
PAYNE, H.C.
CARVER, R.C. KKE 106346

SETTLING BASIN: SETTLED WATER CONDUIT CHECK FORMS FOR ELEVS.

			B.M. +3.92	H.I. 547.90	543.98
			GRADE	ROD	ELEV.
E192.58	N4.83		541.91	5.97	541.93
"	S4.83		"	5.98	541.92
E202.58	N4.83		"	5.98	541.92
"	S4.83		"	5.99	541.91
E212.58	N4.83		"	5.98	541.92
"	S4.83		"	5.98	541.92
E222.58	N4.83		"	5.97	541.93
"	S4.83		"	5.98	541.92
E232.58	N4.83		"	5.99	541.91
"	S4.83		"	5.98	541.92
E244.58	N4.83		"	5.98	541.92
"	S4.83		"	5.98	541.92
E192.58	N4.00		542.75	5.12	542.78
"	S4.00		"	5.12	542.78
E202.58	N4.00		"	5.15	542.75
"	S4.00		"	5.15	542.75
E212.58	N9.00		"	5.15	542.75

SETTLED WATER CONDUIT (Cont'd)

H.I. = 547.90

		GRADE	ROD	ELEV.
E 212.58	S 4.0	542.75	5.15	542.75
E 223.58	N 4.0	"	5.15	542.75
"	S 4.0	"	5.15	542.75
E 232.58	N 4.0	"	5.15	542.75
"	S 4.0	"	5.15	542.75
E 244.58	N 4.0	"	5.15	542.75
"	S 4.0	"	5.15	542.75
CR. B.M.		"	3.92	543.98 Ck.

JAN 18, 1950 CLEAR-WARM

BAKER, T. Y. NOTES
PAYNE, N.C.
CARVER, R.C. KKE 106346

ZEOLITE: TERRACE ROOF FRAMING

CHECK BEAMS FOR ELEV.

H.I.

B.M.			+4.67	555.17	550.50
BEAM	S 35.21	W.	GRADE	ROD	ELEV.
# S-7				9.16	546.01
		E	9.	9.20	545.97
# S-7	S 40.83	W		9.21	545.96
"		E		9.24	545.93
# S-7	S 46.45	W		9.25	545.92
"		E		9.26	545.91
# S-5	S 52.08	W		9.29	545.88
"		E		9.30	545.87
# S-7	S 57.70	W		9.31	545.86
"		E		9.32	545.85
# S-7	S 63.35	W		9.33	545.84
"		E		9.36	545.81
# S-7	S 68.95	W		9.38	545.79
"		E		9.39	545.78
# S-6				9.41	545.76
				9.41	545.76
				9.	

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JAN, 20, 1950 CLEAR-COOL
BAKER A & NOTES
PAYNE H.C
CARVER, R.C, KdE 106346

ZEALITE: CHECK OVERFLOW TROUGHS FOR GRADE

		H.I. 544.03 Rod	539.00 Elev.
B.M.	+ 5.03 Grade		
S99.62 E15	535.00	9.03	535.00
S100.79 E15	535.00	9.03	535.00
S99.62 E30.5	535.015	9.02	535.01
S100.79 E30.5	535.015	9.02	535.01
S99.62 E46	535.00	9.03	535.00
S100.79 E46	535.00	9.03	535.00
S104.87 E15	535.00	9.03	535.00
S106.04 E15	535.00	9.03	535.00
S104.87 E30.5	535.015	9.02	535.01
S106.04 E30.5	535.015	9.02	535.01
S104.87 E46	535.00	9.03	535.00
S106.04 E46	535.00	9.03	535.00
CK. BM.		5.03	539.00

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JAN 19, 1950 CLEAR-COOL
BAKER A & NOTES
PAYNE H.C
CARVER, R.C KdE 106346

HEAD HOUSE: LOADING PLATFORM CHECK FORMS FOR ELEVS.

			+ 3.95 Grade	550.61	546.66
B.M.					
N114	W17.00		548.17	-2.43	548.18
"	W27.00		548.17	-2.43	548.18
"	W34.00		548.17	-2.44	548.17
"	W42.00		548.17	-2.44	548.17
N114.79	W17.00		549.42	-1.19	549.42
"	W27.00		549.42	-1.18	549.43
"	W34.00		549.42	-1.19	549.42
"	W42.00		549.42	-1.18	549.43
N113.46	W17.00		549.42	-1.18	549.43
"	W27.00		"	-1.17	549.44
"	W34.00		"	-1.18	549.43
"	W42.00		"	-1.18	549.43
N105	W17.00		549.50	-1.11	549.50
"	W27.88		"	-1.10	549.51
"	W34.00		"	-1.10	549.51
"	W42.00		"	-1.11	549.51

HEADHOUSE: LOADING PLATFORM (Cont'd)

H.I. = 550.61

		GRADE		
N115	W 17.00	549.92	-0.69	549.92
"	W 27.00	"	-0.69	549.92
"	W 34.00	"	-0.68	549.93
"	W 42.00	"	-0.69	549.92
CK B.M.			-3.95	546.66 CK

JAN 20, 1950 CLEAR-WARM
BAKER, F. & NOTES
PAYNE, H. C
CARVER, R. C
K & E 10634 6

FILTERS: CHECK SUB GRADE AND FORMS OF SOUTH WALL OF FILTERS.

		H.I.	
B.M.	+5.45	539.84	534.39
	SUB GRADE		
S 84.00 W 175.42	526.67	13.20	526.64
S 86.00 W 175.42	526.67	13.22	526.62
S 84.00 W 171.42	526.67	13.25	526.59
S 86.00 W 171.42	526.67	13.19	526.65
S 84.00 W 171.42	529.17	10.69	529.15
S 86.00 W 171.42	529.17	10.67	529.17
S 84.00 W 167.42	529.17	10.66	529.18
S 86.00 W 167.42	529.17	10.67	529.17
S 84.00 W 167.42	531.50	8.34	531.50
S 86.00 W 167.42	531.50	8.34	531.50
	FORM GRADE		
S 84.00 W 175.42	527.67	12.17	527.67
S 86.00 W 175.42	527.67	12.17	527.67
S 84.00 W 172.42	527.67	12.17	527.67
S 86.00 W 172.42	527.67	12.17	527.67
S 84.00 W 172.42	530.17	9.67	530.17
S 86.00 W 172.42	530.17	9.67	530.17
S 84.00 W 168.42	530.17	9.67	530.17

FILTERS: FOOT. FND. cont'd

H.I. = 539.84

~~W168.42~~			
S86.00 W168.42	FORM GRADE 530.17	9.67	530.17
S84.00 W168.42	532.50	7.34	532.50
S86.00 W168.42	532.50	7.34	532.50
S86.00 W161.83	532.50	7.34	532.50
S86.00 W159.17	532.50	7.34	532.50
S86.00 W161.83	SUB GRADE 531.50	8.34	531.50
S86.00 W159.17	531.50	8.34	531.50
S86.00 W 146.58	531.50	8.34	531.50
S86.00 W 143.92	531.50	8.34	531.50
S84.00 W 137.00	531.50	8.34	531.50
S86.00 W 137.00	531.50	8.34	531.50
S86.00 W 131.33	531.50	8.34	531.50
S86.00 W 128.67	531.50	8.34	531.50
S84.00 W 122.00	531.50	8.34	531.50
S86.00 W 122.00	531.50	8.34	531.50
S84.00 W 113.09	531.50	8.34	531.50
S86.00 W 113.09	531.50	8.34	531.50

FILTERS: FOOT. FND. (Cont'd)

H.I. = 539.84

S90.67 W161.83	FORM 532.50	-7.34	532.50
S90.67 W159.17	532.50	-7.34	532.50
S90.67 W161.83	SUB GRADE 531.50	8.34	531.50
S90.67 W159.17	531.50	-8.34	531.50
S 86.00 W146.58	FORM 532.50	-7.34	532.50
S 86 W143.92	532.50	-7.34	532.50
S90.67 W146.58	SUB GRADE 531.50	-8.34	531.50
S90.67 W143.92	531.50	-8.34	531.50
S90.67 W146.58	FORM 532.50	-7.34	532.50
S90.67 W143.92	532.50	-7.34	532.50
S84.00 W137.00	FORM 532.50	-7.34	532.50
S 86.00 W137.00	532.50	-7.34	532.50
S86.00 W131.33	FORM 532.50	-7.34	532.50
S86.00 W128.67	532.50	-7.34	532.50
S90.67 W131.33	SUB GRADE 531.50	-8.34	531.50
S90.67 W128.67	531.50	-8.34	531.50
S90.67 W131.33	FORM 532.50	-7.34	532.50
S90.67 W128.67	532.50	-7.34	532.50

FILTER'S FOOT. FND (Cont'd)

H.I. = 539.84

		FORM GRADE		
S84.00	W122.00	532.50	-7.34	532.50
S86.00	W122.00	532.50	-7.34	532.50
S86.00	W113.09	FORM GR. 532.50	-7.34	532.50
S86.00	W113.09	532.50	-7.34	532.50

JAN 20 1950 CLEAR-WARM
BAKER TANGES
RAYNE HE
CARVER, R.C K+E 10 6346

ZEOLITE: CHECK FORMS OF OPERATING FLOOR FOR FLOOR ELEV'S AND GRADE

B.M.		+4.99	543.99	539.00
S74.58	W11.00	GRADE 538.75	-5.23	538.76
"	W0.0	"	-5.24	538.75
"	E11.00	"	-5.24	538.75
S82.70	W11.00	"	-5.23	538.76
"	W7.42	"	-5.25	538.74
"	E7.42	"	-5.24	538.75
"	E11.00	"	-5.24	538.75
S89.46	W11.00	"	-5.24	538.75
"	W7.42	"	5.24	538.75
"	E7.42	"	5.23	538.76
"	E11.00	"	5.23	538.76
S104.70	W11.00	"	5.24	538.75
"	W7.42	"	5.23	538.76
"	E7.42	"	5.24	538.75
"	E11.00	"	5.25	538.74
S111.45	W11.00	"	5.24	538.75
"	W7.42	"	5.23	538.76

ZEOLITE: OPERATING FLOOR (Cont'd)

HI = 543.99

		GRADE	ROD	ELEV.
S111.46	E7.42	538.75	-5.23	538.76
	W11.00	"	-5.24	538.75
E0.0	S75.33	"	-5.24	538.75
"	S91.83	"	-5.24	538.75
"	S98.33	"	-5.24	538.75
"	S104.83	"	-5.24	538.75
W11.00	S74.58	538.25	-5.73	538.26
"	S82.70	"	-5.74	538.25
"	S89.46	"	-5.74	538.25
"	S104.70	"	-5.75	538.24
W3.60	S74.58	538.08	-5.91	538.08
"	S82.70	"	-5.90	538.09
"	S89.46	"	-5.91	538.08
"	S104.70	"	-5.92	538.07
"	S111.46	"	-5.90	538.09
~~E~~3.6	S74.58	"	-5.92	538.07
"	S82.70	"	-5.90	538.09
"	S104.70	"	-5.91	538.08

ZEOLITE: OPERATING FLOOR (Cont'd)

H.I. 543.99

		GRADE	ROD	ELEV.
E3.60	S111.46	538.08	-5.92	538.07
E11.00	S74.58	538.25	-5.73	538.26
"	S82.70	"	-5.72	538.27
"	S89.46	"	-5.74	538.25
"	S104.70	"	-5.74	538.25
C/L BM.			-4.99	539.00 C/L

JAN 20, 1950 CLEAR - COOL
BAKER, T & NOLES
PAYNE, J.C
CARVER, R.C

SETTLING BASIN: CHECK FORMS, RAILS AND BOLTS FOR GRADE.

		H.I.	
B.M.	+2.75	546.24	543.99
RAIL	GRADE		
E282.58 N4.83	541.17	5.08	541.16
" N0.00	"	5.08	541.16
" S10.00	"	5.07	541.17
" S15.17	"	5.07	541.17
E BAR			
E283.58 N4.83	"	5.07	541.17
" N0.00	"	5.08	541.16
" S10.00	"	5.08	541.16
" S15.17	"	5.08	541.16
RAIL			
E291.58 N4.83	"	5.07	541.17
" N0.00	"	5.08	541.16
" S10	"	5.08	541.16
" S15.17	"	5.07	541.17
E BAR			
E290.58 N4.83	"	5.08	541.16
" N0.0	"	5.08	541.16
" S10	"	5.08	541.16
" S15.17	"	5.08	541.16
RAIL			
E299.58 N4.83	"	5.08	541.16

SETTLING BASIN (Cont.)

H.I. = 546.24

	GRADE	ROD	ELEV.
RAIL			
E299.58 N0.00	541.17	5.07	541.17
" S10.00	"	5.08	541.16
" S15.17	"	5.06	541.18
E BAR			
E300.58 N4.83	"	5.08	541.16
" N0.00	"	5.07	541.17
" S10	"	5.08	541.16
" S15.17	"	5.08	541.16
RAIL			
E308.58 N4.83	"	5.07	541.17
" N0.00	"	5.07	541.17
" S10.00	"	5.06	541.18
" S15.17	"	5.07	541.17
E BAR			
E307.58 N4.83	"	5.07	541.17
" N0.00	"	5.07	541.17
" S10.00	"	5.07	541.17
" S15.17	"	5.07	541.17
CK. BM.		+2.25	543.99 CK.

JAN 24, 1949
BAKER, TENOTES
PAYNE 116
CARVER, R.C.

CROSS SECTION OF DITCH: 54" OVER-FLOW INTO ALVARADO CANYON:

BASE LINE FACE OF 54" OVERFLOW PIPE

0-0 ℄ OF 54" PIPE.

		H.I.	
	H.I.		
B.M. ON DAM	+0.30	536.69	536.39
T.P. ON S.M.H.	+2.70	530.38	527.68
		H.I. 530.38	GROUND ELEV.
N-0-0		-13.52	516.86
N-0 E 2.0		-14.13	516.25
N-0 E 4.0		-14.17	516.21
N-0 E 4.0		-10.80	519.58
N-0 E 6.0		-10.35	520.03
N-0 E 6.5		-8.51	521.87
N-0 E 8.0		-7.90	522.48
TOP OF M.H. S-2 E 9.0		-2.70	527.68
N-0 E 9.5		-3.25	527.13
N-0 E 12.5		-1.81	528.57
N-0 E 16.0		-0.96	529.42
N-0 W 3.0		-13.44	516.94
N-0 W 4.0		-7.67	522.71

CROSS SECTION (Con't)

H.I. = 530.38

			GROUND ELEV.
N-0-W 5.0		-5.62	524.76
N-0 W 6.5		-5.30	525.08
N-0 W 8.0		-2.24	528.14
N-0 W 10.0		-1.21	529.17
N-0 W 13.0		-0.63	529.75
S-5 ℄ 0-E		-6.03	524.35
E 3.0		-12.11	518.27
E 6.0		-13.02	517.36
E 9.0		-11.44	518.94
E 10.0		-7.66	522.72
E 12.0		-3.62	526.76
E 14.0		-2.80	527.58
E 16.0		-2.80	527.58
E 17.0		-1.09	529.29
E 18.0		-0.41	529.97
CK T.P.		-2.70	527.68
B.M.	+2.75	530.43	527.68
S-10 ℄ 0-E		-2.40	528.03

CROSS SECTION (Cont'd)

H.I. = 530.43

			GROUND ELEV.
S-10	E 1.0	-3.01	527.42
S-10	E 4.0	-5.49	524.94
S-10	E 6.0	-11.26	519.17
S-10	E 8.0	-11.44	518.99
S-10	E 9.0	-6.75	523.68
S-10	E 16.0	-0.94	529.49
S-10	E 18.0	-0.47	529.96
S-10	W 3.0	-1.21	529.22
S-10	W 13.0	-0.97	529.46
S-17	E 6.5	-1.29	529.14
N-5	℄ E-0	-14.37	516.06
N-5	E 1.0	-14.24	516.19
N-5	E 6.5	-4.09	526.34
N-5	E 12	-1.64	528.79
N-5	E 16	1.17	529.26
N-5	W 3	-13.50	516.93
N-5	W 4.5	-8.24	522.19
N-5	W 8.0	-3.37	527.06

CROSS-SECTION (Cont'd)

H.I. = 530.43

			GROUND ELEV / TOP OF PIPE
N-5	W 12	-0.96	529.47
N-5	W 13	-0.52	529.91
℄ OF PIPE S-3.0	E 3.0 (PIPE FROM SEWER M.H TO 54" OVER FLOW)	-11.62	518.81
S-2.5	E 7.0 (PIPE FROM SEWER M.H TO 54" OVER FLOW)	-11.63	518.80
END OF SLUDGE LINE. S1.5	E 6.0	-13.35	517.08
CK. B.M.		-2.75	527.68 CK

JAN. 23, 1950 CLEAR - WARM
BAKER, T. & NOTES
PAYNE, H.C.
CARVER, R.C.

MIXING BASINS: CHECK AND SET MIXING PADDLE SUPPORT BOLTS:

		GRADE	H.I. ROD	ELEV.
B.M.		+4.95	542.98	538.03
E16.98	N 75.80	542.81	0.17	542.81
"	N 74.86	"	0.17	542.81
E32.54	N 75.80	"	0.17	542.81
"	N 74.86	"	0.17	542.81
E48.10	N 75.80	"	0.17	542.81
"	N 74.86	"	0.17	542.81
E63.67	N 75.80	"	0.17	542.81
"	N 74.86	"	0.17	542.81
E79.23	N 75.80	"	0.17	542.81
"	N 74.86	"	0.17	542.81
E94.79	N 75.80	"	0.17	542.81
"	N 74.86	"	0.17	542.81
CK B.M.			-4.95	538.03 CK

JAN. 19, 1950
BAKER T. & NOTES
PAYNE H.C.
CARVER, R.C.

SETTLING BASIN: CHECK DIVIDING SLAB RAILS & FORMS FOR ELEV.

		GRADE	ROD	ELEV.
B.M.		+2.17	546.15	543.98
RAIL E128.58	S 58.17	541.17	4.97	541.18
"	S 68.17	"	4.97	541.18
"	S 78.17	"	4.97	541.18 541.18
"	S 88.17	"	4.97	541.18
"	S 101.17	"	4.97	541.18
E BAR E129.58	S 58.17	"	4.98	541.17
"	S 68.17	"	4.98	541.17
"	S 78.17	"	4.98	541.17
"	S 88.17	"	4.97	541.18
"	S 101.17	"	4.97	541.18
E BAR E136.58	S 58.17	"	4.96	541.19
"	S 68.17	"	4.98	541.17
"	S 78.17	"	4.99	541.17
"	S 88.17	"	4.97	541.18
"	S 101.17	"	4.97	541.18
RAIL E137.58	S 58.17	"	4.96	541.19
"	S 68.17	"	4.98	541.17

SETTLING BASIN (Cont'd)

H.I = 546.15

	GRADE	ROD	ELEV
E137.58 S78 17	541.17	-4.98	541.17
" S88.17	"	-4.98	541.17
" S101.17	"	-4.97	541.18
RAIL E145.58 S58 17	"	-4.99	541.16
" S68.17	"	-4.98	541.17
" S78.17	"	-4.98	541.17
" S88.17	"	-4.98	541.17
" S101.17	"	-4.97	541.18
C BAR E146.58 S58.17	"	-4.99	541.16
" S68.17	"	-4.98	541.17
" S78.17	"	-4.98	541.17
" S88.17	"	-4.98	541.17
" S101.17	"	-4.97	541.18
C BAR E153.58 S58.17	"	-4.98	541.17
" S68.17	"	-4.98	541.17
" S78.17	"	-4.98	541.17
" S88.17	"	-4.97	541.18
" S101.17	"	-4.97	541.18

SETTLING BASIN (Cont't)

H.I = 546.15

	GRADE	ROD	ELEV
RAIL E154.58 S58 17	541.17	-4.98	541.17
" S68 17	"	-4.98	541.17
" S78 17	"	-4.98	541.17
" S88 17	"	-4.98	541.17
" S101.17	"	-4.97	541.18
FORM E158.58 S58 17	"	-4.98	541.17
" S68.17	"	-4.98	541.17
" S78.17	"	-4.98	541.17
" S88 17	"	-4.98	541.17
" S101.17	"	-4.98	541.17
CK B.M.		-2.17	543.98

JAN. 25, 1950 Cloudy - Cool
BAKER, T
CARVER, R.C

SETTLING BASIN: CHECK RAILS & E BARS

FOR GRADE

			H.I	
B.M.	+	11.30	546.31	535.01
RAIL		GRADE	ROD	ELEV.
E 128.58	S 101.17	541.17	5.14	541.17
"	S 111.17	"	5.14	541.17
"	S 121.17	"	5.13	541.18
"	S 131.17	"	5.14	541.17
"	S 143.42	"	5.14	541.17
E BAR				
E 129.58	S 101.17	"	5.14	541.17
"	S 111.17	"	5.15	541.16
"	S 121.17	"	5.14	541.17
"	S 131.17	"	5.14	541.17
"	S 143.42	"	5.13	541.18
E BAR				
E 136.58	S 101.17	"	5.14	541.17
"	S 111.17	"	5.14	541.17
"	S 121.17	"	5.14	541.17
"	S 131.17	"	5.13	541.18
"	S 143.42	"	5.14	541.17
RAIL				
E 137.58	S 101.17	"	5.13	541.18
"	S 111.17	"	5.14	541.17

SETTLING BASIN: (Con't)

H.I: 546.31

		GRADE	ROD	ELEV.
E 137.58	S 121.17	541.17	5.14	541.17
"	S 131.17	"	5.15	541.16
"	S 143.42	"	5.14	541.17
RAIL				
E 145.58	S 101.17	"	5.13	541.18
"	S 121.17	"	5.14	541.17
"	S 131.17	"	5.14	541.17
"	S 143.42	"	5.13	541.18
E BAR				
E 146.58	S 101.17	"	5.14	541.17
"	S 111.17	"	5.14	541.17
"	S 121.17	"	5.14	541.17
"	S 131.17	"	5.14	541.17
"	S 143.42	"	5.13	541.18
E BAR				
E 153.58	S 101.17	"	5.14	541.17
"	S 111.17	"	5.15	541.16
"	S 121.17	"	5.14	541.17
"	S 131.17	"	5.14	541.17
"	S 143.42	"	5.14	541.17
RAIL				
154.58	S 101.17		5.14	541.17

SETTLING BASIN (Cont'd)

		H.I. 546.31		
		GRADE	ROD	ELEV.
RAIL				
E 154.58	S 111.17	541.17	5.14	541.17
"	S 121.17	"	5.14	541.17
"	S 131.17	"	5.13	541.18
"	S 143.42	"	5.14	541.17
FORM				
E 158.58	S 101.17	"	5.14	541.17
"	S 111.17	"	5.14	541.17
"	S 121.17	"	5.14	541.17
"	S 131.17	"	5.14	541.17
"	S 143.42	"	5.13	541.18
CK B.M.			11.30	535.01 CK

SETTLING BASIN SLAB: CHECK RAILS AND FORMS.

		+5.27	540.28	535.01
B.M				
RAIL		GRADE	ROD	ELEV
E 196.58	S 58.17	535.00	5.25	535.03
"	S 68.17	"	5.26	535.02
"	S 78.17	"	5.27	535.01
"	S 88.17	"	5.28	535.00
"	S 101.17	"	5.28	535.00
RAIL				
E 205.58	S 58.17	"	5.25	535.03
"	S 68.17	"	5.26	535.02
"	S 78.17	"	5.27	535.01
"	S 88.17	"	5.28	535.00
"	S 101.17	"	5.28	535.00
RAIL				
E 213.58	S 58.17	"	5.25	535.03
"	S 68.17	"	5.26	535.02
"	S 78.17	"	5.27	535.01
"	S 88.17	"	5.28	535.00
"	S 101.17	"	5.28	535.00
E 223.58	S 58.17	"	5.27	535.01
"	S 68.17	"	5.28	535.00

SETTLING BASIN SLAB (Cont'd)

		H.I. = GRADE	ROD	ELEV
E 223.58	S 78 17	535.00	5.28	535.00
"	S 88 17	"	5.28	535.00
"	S 101 17	"	5.28	535.00
E 231.58	S 58 17	"	5.28	535.00
"	S 68 17	"	5.28	535.00
"	S 78 17	"	5.28	535.00
"	S 88 17	"	5.28	535.00
"	S 101 17	"	5.28	535.00
E 240.58	S 58 17	"	5.28	535.00
"	S 68 17	"	5.28	535.00
"	S 78 17	"	5.28	535.00
"	S 88 17	"	5.28	535.00
"	S 101 17	"	5.28	535.00
244.58	S 58 17	"	5.28	535.00
"	S 68 17	"	5.28	535.00
"	S 78 17	"	5.28	535.00
"	S 88 17	"	5.28	535.00
"	S 101 17	"	5.28	535.00

JAN. 25, 1950 Cloudy - Cool
BAKER A.d. NOTES
CARVER R.C

HEADHOUSE: CHECK ELEVS. OF FORMS OF CANOPY:

			H.I.	
B.M.		+ 2.74	567.245	564.505
		GRADE	ROD	ELEV.
N 115	W 7.0	562.33	-4.89	562.36
"	W 17.0	"	-4.90	562.35
"	W 27.0	"	-4.89	562.36
"	W 37.0	"	-4.90	562.35
"	W 47.00	"	-4.91	562.34
"	W 57.00	"	-4.90	562.35
"	W 67.00	"	-4.89	562.36
"	W 74.00	"	-4.90	562.35
N 114.90	W 7.0	562.00	-5.24	562.01
"	W 17.0	"	-5.25	562.00
"	W 27.0	"	-5.25	562.00
"	W 37.0	"	-5.25	562.00
"	W 47.0	"	-5.26	561.99
"	W 57.0	"	-5.24	562.01
"	W 67.0	"	-5.25	562.00
"	W 74.0	"	-5.23	562.02
N 105	W 7.0	561.52	-5.72	561.53

Headhouse: Canopy (Cont'd)

H.I. 567.25

		Grade	Rod	Elev.
N105	W17	561.52	5.71	561.54
"	W27	"	5.72	561.53
"	W37	"	5.70	561.55
"	W47	"	5.70	561.55
"	W57	"	5.71	561.54
"	W67	"	5.71	561.54
"	W64	"	5.71	561.54
CK. B.M.			2.74	564.51 ck

Cloudy, Cool

Jan 24 1950
Baker A notes
Rayne 120D
Coerver 20D

Headhouse Basement Elev. at floor

		H.I.	Rod	Elev.
B.M.		+0.72	542.46	541.74
Foems		Grade	Rod	
E27. N12		538.00	-4.46	538.00
N24.33		"	-4.46	538.00
W19.33 N12		"	-4.46	538.00
N24.33		"	-4.46	538.00
Subgrade				
E27. N12		537.50	-4.96	537.50
N24.33		"	-4.96	537.50
E17 N12		"	-4.96	537.50
N24.33		"	-4.96	537.50
E7 N12		"	-4.96	537.50
N24.33		"	-4.96	537.50
W3 N12		"	-4.96	537.50
N24.33		"	-4.96	537.50
W13 N12		"	-4.96	537.50
N24.33		"	-4.96	537.50
W19.33 N12		"	-4.96	537.50
N24.33		"	-4.96	537.50
CK. B.M.			-0.72	541.74 ck

JAN 18, 1950 clear-warm
BAKER T & NOTES
PAYNE H.C
CARVER, R.C K&E 106346

MIXING BASIN: CHECK WALKWAY FORMS FOR ELEV.

B.M	+4.92 GRADE 550.50	555.42 ROD	550.50 ELEV.
N47.52 E136.58	"	-4.93	550.49
" E129.58	"	-4.92	550.50
N48.52 E136.58	"	-4.92	550.50
" E129.58	"	-4.93	550.49
N58.52 E136.58	"	-4.92	550.50
" E129.58	"	-4.92	550.50
N59.75 E~~129.58~~ 124.58	"	-4.93	550.49
N62.33 E~~136.58~~ 129.58	"	-4.93	550.49
N59.75 E124.58	"	-4.90	~~550.49~~ 550.52
N66.33 "	"	-4.91	550.51
N66.33 E129.58	"	-4.92	550.50
" E136.58	"	-4.93	550.49
N77.33 E129.58	"	-4.92	550.50
" E136.58	"	-4.93	550.49
E146.58 N62.33	"	-4.92	~~550.50~~ 550.50
N66.33	"	-4.92	550.50

MIXING BASIN (Cont'd)

H.I. = 555.42

	GRADE	ROD	ELEV.
E158.58 N62.33	550.50	-4.93	550.49
" N66.33	"	-4.92	550.50
CK B.M.		-4.92	550.50

JAN. 19, 1950 CLEAR - COOL
BAKER T & NOTES
PAYNE, H.C
CARVER, R.C. K&E 106346

HEAD HOUSE: CHECK WALL FORM PUMPING ROOM.

		H.I.	
B.M.	+0.52	542.26	541.74
	GRADE	ROD	ELEV.
W15 N12	537.00	-5.26	537.00
W15 N24.33	537.00	-5.26	537.00
CK B.M.		-0.52	541.74 CK

JAN 29 1950 CLEAR - WARM
BAKER AT NOTES
CARVER, R.C

HEADHOUSE - CHECK BEAMS AT PLAN

ELEV. 562

B.M		+2.81	567.32	564.505
# BEAM	N	GRADE	ROD	ELEV.
245	103.50	559.50	-7.81	559.51
	N 86.00	559.50	-7.80	559.52
# 207	N 98.52 E	560.17	-7.16	560.16
	N 98.52 W	560.17	-7.16	560.16
# 211	N 91.10 E	560.17	-7.13	560.19
	N 91.00 W	560.17	-7.15	560.17
# A4	EAST N	560.92	-6.37	560.95
	S	560.92	-6.38	560.94
# A2	WEST N	560.92	-6.38	560.94
	S	560.92	-6.38	560.94
# A3	NORTH E	560.92	-6.38	560.94
	W	560.92	-6.38	560.94
# 246	W 27.00 N	560.00	-7.32	560.00
	W 27.00 S	560.00	-7.31	560.01
# 163	N 90.00 E	560.58	-6.73	560.59
	N 90.00 W	560.58	-6.74	560.58
# 164	W 38.29 N	560.42	-6.89	560.43

BEAMS AT FOUND OPENING W17 E OF OPENING

HEADHOUSE (CONT)

H.I = 567.32

# BEAM	W 38.29	GRADE	ROD	ELEV.
164	S	560.42	6.89	560.43
# 201	EAST S	560.99	-6.33	560.99
	EAST N	561.10	-6.22	561.10
# 201	MIDDLE S	560.99	-6.33	560.99
	MIDDLE N	561.10	-6.21	561.11
# 201	WEST S	560.99	-6.32	561.00
	WEST N	561.10	-6.21	561.11
# 202	N 104.50 E	559.58	-7.71	559.61
	N 104.50 W	559.58	-7.71	559.61
CK. B.M.			-2.81	564.51 ck

JAN 19, 1950 CLEAR WARM
BAKER T & NOTES
CARVER KKE106346

SETTLING BASIN: CHECK WALKWAY

FORMS FOR ELEVS:

B.M.		+ 4.45 GRADE	554.95	550.50
S 143.42	E 47.08	550.50	4.45	550.50
"	E 51.08	"	4.46	550.49
S 143.42	E 48.08	549.00	-5.56	549.39
"	E 50.58	549.50	-5.53	549.42
S 154.17	E 47.08	550.50	-4.46	550.49
S 150.17	E 51.08	550.50	-4.44	550.51
S 150.15	E 51.08	549.6	-5.55	549.40
S 153.17	E 51.08		-5.69	549.26
S 150.17	E 61.08	550.50	-4.46	550.49
S 150.15	E 61.08		-5.56	549.39
S 153.17	E 61.08		-5.70	549.25
S 154.17	E 61.08	550.50	-4.45	550.50
S 147.17	E 61.08	550.50	-4.44	550.51
S 147.15	E 61.10		-5.54	549.41
S 154.17	E 69.08	550.50	-4.45	550.50
			-5.70	549.25
S 153.17	E 69.08		-5.79	549.16
S 150.17	E 69.08	550.50	-4.44	550.51

SETTLING BASIN (cont'd)

H.I = 554.95

S 150.15 E 69.08		-5.55	549.40
S 147.17 E 69.08	~~550.50~~	-5.62	549.43
S 147.15 E 69.06	550.50	-4.45	550.50
S 154.17 E 77.82	550.50	-4.43	550.52
S 153.17 E 77.82		-5.71	549.24
S 150.15 E 77.82		-5.56	549.39
S 150.17 E 77.82	550.50	-4.45	550.50
S 154.17 E 90.56	550.50	-4.44	550.51
S 153.17 E 90.56		-5.66	549.29
S 150.15 E 90.56		-5.57	549.38
S 150.17 E 90.56	550.50	-4.44	550.51
CK B.M.		-4.45	550.50

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JAN 16 1950 CLEAR-WARM
LEONARD T
PAYNE ROD
BAKER NOTES K&E 106346

ZEOLITE: CHECK EAST HALF
ROOF FRAMING FORMS FOR ELEV.

B.M.		+4.54 GRADE	554.94 ROD	550.50 ELEV.
# BEAM S-7	S 35.21 W		-9.05	545.89
"	S 35.21 E		-9.06	545.88
# S-7	S 40.83 W		-9.09	545.85
"	S 40.83 E		-9.09	545.85
# S-7	S 46.45 W		-9.13	545.81
"	E		-9.12	545.82
# S-5	S 52.08 W		-9.16	545.78
"	S 52.08 E		-9.15	545.79
# S-7	S 57.70 W		-9.20	545.74
"	S 57.70 E		-9.18	545.76
# S-7	S 63.35 W		-9.23	545.71
"	S 63.35 E		-9.21	545.73
# S-7	S 68.95 W		-9.27	545.67
"	S 68.95 E		-9.25	545.69
S-6	W		-9.29	545.65
"	E		-9.27	545.67
CK. B.M.			-4.54	550.50 CK

JAN. 26, 1950 CLEAR-Cool 95
BAKER, T + NOTES
PAYNE, H.C.
CARVER, R.C. K&E 106346

SETTLING BASIN: CHECK FORMS AND
WEIRS OF OVERFLOW TROUGH.

B.M.	+4.71 GRADE	555.19 ROD	550.48 ELEV.
E 131.83 S 15.17	548.52	6.67	
E 134.33 S 15.17	"	6.67	
E 131.83 S 25.17	"	6.68	
E 134.33 25.17	"	6.68	
E 131.83 S 35.17	"	6.67	
E 134.33 S 35.17	"	6.70	
E 131.83 S 45.17	"	6.67	
E 134.33 S 45.17	"	6.69	
E 131.83 S 58.17	"	6.67	
E 134.33 S 58.17	"	6.69	
E 148.83 S 15.17	"	6.61	
E 151.33 S 15.17	"	6.68	
E 148.83 S 25.17	"	6.67	
E 151.33 S 25.17	"	6.68	
E 148.83 S 35.17	"	6.68	
E 151.33 S 35.17	"	6.67	
E 148.83 S 45.17	"	6.69	

SETTLING BASIN TROUGHS (Cont'd)

H.I = 555.19

	Grade	Rod	Elev.
E157.33 S 45/17	548.52	6.68	
E148.83 S 58/17	"	6.69	

JAN 26, 1950
CLEAR
WARM

LEONARD C.P.
BAKER T.
PAYNE - H.C.
CARVER R.C.
K&E 106346

CHECK TOPS OF WINDOWS IN EAST WALL HEAD-HOUSE

	↑	—	
BM +2.31	566.82		564.51
E46.50 N58.33	559.17	-7.53	559.29 / 559.19*
" N45.75	"	-7.54	559.18 / 559.18*
" N40.55	"	-7.54	559.28 / 559.18*
" N27.98	"	-7.55	559.27 / 559.17*
" N22.79	"	-7.57	559.25 / 559.15*
" N10.21	"	-7.54	559.28 / 559.18*
" S 10.21	"	-7.53	559.29 / 559.19*
" S27.03	"	-7.53	559.29 / 559.19*
S29.47 E43.74	"	-7.54	559.28 / 559.18*
" E31.83	"	-7.54	559.28 / 559.18*
" E29.63	"	-7.53	559.29 / 559.19*
" E13.01	"	-7.54	559.28 / 559.18*

*NOTE: ROD SHOTS TAKEN ON KEY RECESS .10 HIGHER THAN WINDOW FORM.

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JAN. 26, 1950 CLEAR - WARM
BAKER T. NOTES
PAYNE U.C
CARVER, R.C K&E 10634

ZEOLITE: CHECK TROUGH FORMS

B.M.	+ 5.01 GRADE	544.01 ROD	539.00 ELEV.
S110.12 E44	535.00	-9.00	535.01
S117.29 E44	535.00	-9.00	535.01
S110.12 E30.5	535.015	-8.99	535.02
S117.29 E30.5	535.015	-8.99	535.02
S110.12 E15.00	535.00	-9.00	535.01
S117.29 E15.00	535.00	-9.00	535.01
S115.37 E44	535.00	-9.01	535.00
S116.54 E44	535.00	-9.01	535.00
S115.37 E30.5	535.015	-8.99	535.02
S116.54 E30.5	535.015	-8.99	535.02
115.37 E15	535.00	-9.00	535.01
S116.54 E15	535.00	-9.00	535.01
CK-B.M.		-5.01	539.00 ck

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JAN 26, 1950 CLEAR-COOL
BAKER T. NOTES
PAYNE U.C
CARVER, R.C K&E 10634

FILTERS: CHECK WASH TROUGHS AND FORMS FOR ELEV.

			H.I	
B.M.		+ 4.09 GRADE	551.09 ROD	547.00 ELEV.
W128.75 N81.79		545.00	-6.09	545.00
"	N79.95	"	-6.09	545.00
"	N74.54	"	-6.09	545.00
"	N72.70	"	-6.09	545.00
"	N67.29	"	-6.09	545.00
"	N65.45	"	-6.09	545.00
"	N60.04	"	-6.09	545.00
"	N58.20	"	-6.09	545.00
"	N52.79	"	-6.09	545.00
"	N50.95	"	-6.10	544.99
W134.25	N81.79	"	-6.09	545.00
"	N79.95	"	-6.09	545.00
"	N74.54	"	-6.09	545.00
"	N72.70	"	-6.09	545.00
"	N67.29	"	-6.09	545.00
"	N65.45	"	-6.09	545.00
"	N60.04	"	-6.10	544.99

FILTERS TROUGHS (Cont'd)

H.I. = 551.09

		GRADE	ROD	ELEV.
W134.25	N38.20	545.00	-6.09	545.00
"	N57.79	"	-6.09	545.00
"	N50.95	"	-6.09	545.00
W147.50	N 81.79	"	-6.09	545.00
"	N 79.95	"	-6.10	544.99
"	N 74.54	"	-6.09	545.00
"	N 72.70	"	-6.09	545.00
"	N 67.29	"	-6.09	545.00
"	N 65.45	"	-6.09	545.00
"	N 60.04	"	-6.09	545.00
"	N 58.20	"	-6.09	545.00
"	N 52.79	"	-6.09	545.00
"	N 50.95	"	-6.09	545.00
FORMS W129.25	N81.90	545.50	-5.59	545.50
"	N79.95	"	-5.59	545.50
"	N74.84	"	-5.59	545.50
"	N72.50	"	-5.59	545.50
"	N67.50	"	-5.59	545.50

FILTERS: FORMS Cont'd

H.I. 551.09

		GRADE	ROD	ELEV.
W129.25	N65.25	545.50	-5.59	545.50
"	N60.30	"	-5.59	545.50
"	N58.00	"	-5.59	545.50
"	N52.90	"	-5.59	545.50
"	N50.50	"	-5.59	545.50
W134.00	N81.90	"	-5.59	545.50
"	N79.75	"	-5.59	545.50
"	N74.84	"	-5.59	545.50
"	N72.50	"	-5.59	545.50
"	N67.50	"	-5.59	545.50
"	N65.25	"	-5.59	545.50
"	N60.30	"	-5.59	545.50
"	N58.00	"	-5.59	545.50
"	N52.90	"	-5.59	545.50
"	N50.50	"	-5.59	545.50
CK B.M			-4.09	547.00

JAN 27, 1950 CLEAR - COOL
BAKER T & NOTES
CARVER, R.C K&E 10634L

SETTLING BASIN: CHECK FORMS OF SETTLED WATER CONDUIT WALKWAY

		H.I.	
B.M.	+4.78	555.26	550.48
	GRADE	ROD	ELEV
E 192.58 N 4.83	550.50	4.75	550.51
" S 4.83	"	4.76	550.50
E 202.58 N 4.83	"	4.76	550.50
" S 4.83	"	4.76	550.50
E 216.58 N 4.83	"	4.77	550.49
" S 4.83	"	4.76	550.50
E 218.58 N 4.83	"	4.76	550.50
" S 4.83	"	4.77	550.49
E 234.58 N 4.83	"	4.76	550.50
L " S 4.83	"	4.76	550.50
E 244.58 N 4.83	"	4.76	550.50
" S 4.83	"	4.76	550.50
CK B.M.		4.78	550.48 CK

JAN. 27, 1950 CLEAR-COOL
BAKER T & NOTES
CARVER, R.C K&E 10634L

SETTLING BASIN DIVISION SLAB: CHECK FORMS AND RAILS FOR ELEV.

		H.I.	
B.M.	42.45	546.44	543.99
RAIL	GRADE	ROD	ELEV
E 317.58 N 2.00	541.17	5.27	541.17
" S 6.42	"	5.27	541.17
" S 15.17	"	5.27	541.17
C BAR			
E 318.58 N 2.00	"	5.27	541.17
" S 6.42	"	5.27	541.17
" S 15.17	"	5.27	541.17
FORM BEAM			
E 321.08 N 2.00	539.11	7.34	539.10
" S 6.42	"	7.32	539.12
" S 15.17	"	7.34	539.10
C BAR			
E 324.58 N 2.00	541.17	5.27	541.17
S 6.42	541.17	5.27	541.17
S 15.17	541.17	5.27	541.17
RAIL			
E 325.58 N 2.00	"	5.27	541.17
" S 6.42	"	5.27	541.17
" S 15.17	"	5.27	541.17
RAIL			
E 333.58 N 2.00	"	5.27	541.17
S 6.42	"	5.27	541.17

SETTLING BASIN DIV. SLAB. (Con't)

H.I = 546.44

		GRADE	ROD	ELEV.
RAIL				
E 333.58	S 15.17	541.17	-5.27	541.17
C BAR				
E 324.58	N 2.00	"	-5.27	541.17
"	S 6.42	"	-5.27	541.17
"	S 15.17	"	-5.28	541.16
BEAM FORM				
E 338.08	N 2.00	539.11	-7.37	539.07
"	S 6.42	"	-7.35	539.09
"	S 15.17	"	-7.36	539.08
C BAR				
E 341.58	N 2.00	541.17	-5.27	541.17
"	S 6.42	"	-5.27	541.17
"	S 15.17	"	-5.28	541.16
RAIL				
E 342.58	N 2.00	"	-5.27	541.17
"	S 6.42	"	-5.28	541.16
"	S 15.17	"	-5.28	541.14
FORM				
E 347.58	N 2.00	"	-5.27	541.17
"	S 6.42	"	-5.24	541.18
"	S 15.17	"	-5.26	541.18

BOLTS.

SETTLING BASIN DIV. SLAB Con't

H.I = 546.44

BOLTS	GRADE	ROD	ELEV.

SETTLING BASIN: SETTLED WATER CONDUIT.

CHECK FORMS FOR GRADE

B.M.		+2.45 GRADE	5.644 ROD	543.99 ELEV.
E 244.58	N 4.00	541.92	-4.53	541.91
"	S 4.00	"	-4.52	541.92
"	N 4.00	542.75	-3.69	542.75
"	S 4.00	"	-3.69	542.75
E 254.58	N 4.00	541.92	-4.51	541.93
"	S 4.00	"	-4.51	541.93
"	N 4.00	542.75	-3.69	542.75
"	S 4.00	"	-3.69	542.75
E 264.58	N 4.00	541.92	-4.52	541.92
"	S 4.00	"	-4.51	541.93
"	N 4.00	542.75	-3.69	542.75
"	S 4.00	"	-3.69	542.75
E 274.58	N 4.00	541.92	-4.51	541.93
"	S 4.00	"	-4.50	541.94
"	N 4.00	542.75	-3.67	542.77
"	S 4.00	"	-3.67	542.77
ER BM.			-2.45	543.99 Ck

SETTLING BASIN: DIVIDING SLAB CHECK FORM

HUB RAILS FOR ELEV.

B.M.		+11.41 GRADE	5.642 ROD	535.01 H.I. ELEV.
RAIL E 162.58	S 15.17	541.17	-5.26	541.16
"	S 25.17	"	-5.25	541.17
"	S 35.17	"	-5.25	541.17
"	S 45.17	"	-5.25	541.17
"	S 58.17	"	-5.26	541.16
I BAR E 162.58	S 15.17	"	-5.26	541.16
"	S 25.17	"	-5.25	541.17
"	S 35.17	"	-5.25	541.17
"	S 45.17	"	-5.25	541.17
"	S 58.17	"	-5.25	541.17
I BAR E 170.58	S 15.17	"	-5.25	541.17
"	S 25.17	"	-5.24	541.18
"	S 35.17	"	-5.25	541.17
"	S 45.17	"	-5.25	541.17
"	S 58.17	"	-5.25	541.17
RAIL E 171.58	S 15.17	"	-5.25	541.17
"	S 25.17	"	-5.25	541.17

Settling Basin (Cont'd)

H.I = 546.42

		GRADE	ROD	ELEV.
E171.58	S35.17	541.17	5.25	541.17
"	S45.17	"	5.25	541.17
"	S58.17	"	5.25	541.17
Rail E179.58	S15.17	"	5.25	541.17
"	S25.17	"	5.25	541.17
"	S35.17	"	5.25	541.17
"	S45.17	"	5.25	541.17
"	S58.17	"	5.25	541.17
C Bar E180.58	S15.17	"	5.25	541.17
"	S25.17	"	5.25	541.17
"	S35.17	"	5.25	541.17
"	S45.17	"	5.25	541.17
"	S58.17	"	5.25	541.17
C Bar E187.58	S15.17	"	5.25	541.17
"	S25.17	"	5.25	541.17
"	S35.17	"	5.25	541.17
"	S45.17	"	5.25	541.17
"	S58.17	"	5.25	541.17

Settling Basin (Cont'd)

H.I = 546.42

		GRADE	ROD	ELEV.
Rail E188.58	S15.17	541.17	5.25	541.17
"	25.17		5.25	541.17
"	35.17		5.25	541.17
"	45.17		5.25	541.17
"	58.17		5.25	541.17
Form E192.58	S15.17		5.25	541.17
"	S25.17		5.25	541.17
"	S35.17		5.25	541.17
"	S45.17		5.25	541.17
"	S58.17		5.25	541.17

JAN. 31, 1950 CLEAR & COOL
BAKER II & NOTES
CARVER, H.C.
HE 106346

FILTERS: CHECK OVERFLOW TROUGHS

FORMS FOR ELEV.

B.M.	+ 5.10 GRADE	H.I. 551.23 ROD	546.13 ELEV.
W 81.25 N 14.21	545.00	-6.23	545.00
" N 17.75	"	-6.23	545.00
" N 21.96	"	-6.23	545.00
" N 23.79	"	-6.23	545.00
" N 29.21	"	-6.23	545.00
" N 31.04 N 36.45	"	-6.23	545.00
" N 38.29	"	-6.23	545.00
" N 43.70	"	-6.23	545.00
" N 45.54	"	-6.23	545.00
W 94.58 N 14.21	"	-6.23	545.00
" N 17.75	"	-6.23	545.00
" N 21.96	"	-6.23	545.00
" N 23.79	"	-6.23	545.00
" N 29.21	"	-6.23	545.00
" N 31.04	"	-6.23	545.00
" N 36.45		-6.23	545.00
" N 38.29		-6.23	545.00

FILTERS: TROUGHS (Cont'd)

H.I. = 551.23

	GRADE	ROD	ELEV.
W 94.58 N 43.70	545.00	-6.23	545.00
" N 45.54	"	-6.23	545.00
W 100.08 N 14.21	"	-6.23	545.00
" N 17.75	"	-6.23	545.00
" N 21.96	"	-6.23	545.00
" N 23.79	"	-6.23	545.00
" N 29.21	"	-6.23	545.00
" N 31.04	"	-6.23	545.00
" N 36.45	"	-6.23	545.00
" N 38.29	"	-6.23	545.00
" N 43.70	"	-6.23	545.00
" N 45.54	"	-6.23	545.00
W 113.42 N 14.21	"	-6.23	545.00
" N 17.75	"	-6.23	545.00
" N 21.96	"	-6.23	545.00
" N 23.79	"	-6.23	545.00
" N 29.21	"	-6.23	545.00
" N 31.04	"	-6.23	545.00

FILTERS: TROUGH (Cont.)

H.I. = 551.23

		GRADE	ROD	ELEV.
W113.42	N36.45	545.00	-6.23	545.00
"	N38.29	"	-6.23	545.00
"	N43.70	"	-6.23	545.00
"	N45.54	"	-6.23	545.00
FORMS				
W95.00	N12.00	545.50	-5.73	545.50
"	N29.00	"	-5.73	545.50
"	N31.50	"	-5.73	545.50
"	N46.50	"	-5.73	545.50
W99.66	N12.00	"	-5.73	545.50
"	N29.00	"	-5.73	545.50
"	N31.50	"	-5.73	545.50
"	N46.50	"	-5.73	545.50

FEB 1, 1950 CLEAR - COLD
BAKER A 7 NOTES
Corver, H.C., R.S.
K7E106346

FILTERS TROUGHS CHECK FOR ELEV.

H.I. 551.16

			GRADE	ROD	ELEV.
B.M.			+5.03		546.13
W48.08	N14.21		545.00	-6.16	545.00
"	N17.75		"	-6.16	545.00
"	N21.94		"	-6.17	544.99
"	N23.79		"	-6.16	545.00
"	N29.21		"	-6.16	545.00
"	N31.04		"	-6.16	545.00
"	N36.45		"	-6.16	545.00
"	N38.29		"	-6.17	544.99
"	N43.70		"	-6.16	545.00
"	N45.54		"	-6.16	545.00
W61.42	N14.21		"	-6.16	545.00
"	N17.75		"	-6.16	545.00
"	N21.94		"	-6.17	544.99
"	N23.79		"	-6.16	545.00
"	N29.21		"	-6.16	545.00
"	N31.04		"	-6.16	545.00
"	N36.45		"	-6.16	545.00
"	N38.29		"	-6.16	545.00

KHE 106346

FILTERS TROUGHS (Cont'd)

H.I = 551.16

		GRADE	ROD	ELEV.
W 61.42	N 43.70	545.00	-6.16	545.00
"	N 45.54	"	-6.16	545.00
W 148.58	N 50.95	"	-6.16	545.00
"	N 52.79	"	-6.17	544.99
"	N 58.20	"	-6.17	544.99
"	N 60.04	"	-6.16	545.00
"	N 65.45	"	-6.17	544.99
"	N 67.29	"	-6.17	544.99
"	N 72.70	"	-6.16	545.00
"	N 74.54	"	-6.17	544.99
"	N 79.95	"	-6.16	545.00
"	N 81.79	"	-6.17	544.99
W 161.92	N 50.95	"	-6.17	544.99
"	N 52.75	"	-6.17	544.99
"	N 58.20	"	-6.17	544.99
"	N 60.04	"	-6.17	544.99
"	N 65.45	"	-6.17	544.99
"	N 67.29	"	-6.17	544.99

KHE 106346

FILTER TROUGHS (Cont'd)

H.I = 551.16

		GRADE	ROD	ELEV.
W 161.92	N 72.70	545.00	-6.17	544.99
"	N 74.54	"	-6.16	545.00
"	N 79.95	"	-6.17	544.99
"	N 81.79	"	-6.17	544.99
CK B.M			-5.03	546.13 CK

FEB. 1, 1950 CLEAR · COOL
BAKER, T + NOTES
CARVER, H.C. R.C.
K&E 106,346

SETTLING BASIN: CHECK RECESS BLOCKOUTS FOR DIVIDING SLAB

			H.I. 546.35	543.99
B.M.		+2.36		
		GRADE		
E 218.08	S 58.17	541.17	-5.18	541.17
"	S 68.17	"	-5.18	541.17
"	S 78.17	"	-5.18	541.17
"	S 88.17	"	-5.19	541.16
"	S 101.17	"	-5.18	541.17
"	S 58.17	545.88	-0.49	545.86
	S 68.17	"	-0.49	545.86
	S 78.17	"	-0.49	545.86
	S 88.17	"	-0.49	545.86
	S 101.17	"	-0.49	545.86
CK B.M.			-2.36	543.99 CK

Feb. 8, 1950 CLEAR WARM
BAKER T + NOTES
CARVER, H.C, R.C.
K&E 106346

SETTLING BASIN: CENTER DIVIDING WALL WALKWAY CHECK FORMS FOR ELEV.

			H.I. 555.16	550.48
B.M.		+4.68		
		GRADE		
E 216.58	S 58.17	550.50	-4.66	550.50
E 220.58	S 58.17	"	-4.67	550.50
E 216.58	S 68.17	"	-4.66	550.50
E 220.58	S 68.17	"	-4.66	550.50
E 216.58	S 78.17	"	-4.66	550.50
E 220.58	S 78.17	"	-4.66	550.50
E 216.58	S 88.17	"	-4.66	550.50
E 220.58	S 88.17	"	-4.66	550.50
E 216.58	S 101.17	"	-4.66	550.50
E 220.58	S 101.17	"	-4.66	550.50
CK B.M.			-4.68	550.48 CK

FEB. 8, 1950 CLEAR - COOL

BAKER, T
CARVER, H.C
KHE 106346

CHECK ZELITE TROUGHS FOR GRADE.

		H.I 543.905 ROD	ELEV
B.M.	+4.92 GRADE	-8.905	538.985
W15 S77.62	535.00	-8.905	535.00
" S78.79	535.00	-8.905	535.00
W30.5 S77.62	535.015	-8.89	535.01
" S78.79	535.015	-8.89	535.01
W46.0 S77.62	535.00	8.88	535.025
" S78.79	535.00	8.88	535.025
W15 S82.87	535.00	-8.905	535.00
" S84.04	535.00	-8.905	535.00
W30.5 S82.87	535.015	-8.89	535.015
" S84.04	535.015	-8.89	535.015
W46.0 S82.87	535.00	-8.905	535.00
" S84.04	535.00	-8.905	535.00
CK BM.		-4.92	538.985 CK

FEB 7, 1950 CLEAR - WARM

BAKER, T
CARVER, H.C
KHE 106346

CHECK SETTING BASIN SLAB AND RAILS FOR ELEV.

		H.I 540.08 ROD	ELEV.
B.M. RAIL	+5.07 GRADE	5.055	535.025
E248.58 S5817	535.00	-5.07	535.01
" S6817	"	-5.08	535.00
" S7817	"	-5.07	535.01
" S8817	"	-5.07	535.01
" S10117	"	-5.06	535.02
E257.58 S5817	"	-5.08	535.00
" S6817	"	-5.08	535.00
" S7817	"	-5.08	535.00
" S8817	"	-5.08	535.00
" S10117	"	-5.07	535.01
E265.58 S5817	"	-5.08	535.00
" S6817	"	-5.08	535.00
" S7817	"	-5.08	535.00
" S8817	"	-5.08	535.00
" S10117	"	-5.08	535.00
E274.58 S5817	"	-5.08	535.00
" S6817	"	-5.08	535.00

CHECK SETTING BASIN SLAB (cont'd)

		GRADE	H.I. 540.08 ROD	ELEV
E274.58	S78.17	535.00	5.08	535.00
"	S88.17	"	5.08	535.00
"	S101.17	"	5.07	535.01
FORM E278.58	S.58.17	"	5.08	535.00
"	S68.17	"	5.08	535.00
"	S78.17	"	5.07	535.01
"	S88.17	"	5.08	535.00
"	S101.17	"	5.08	535.00
CH B.M.			5.07	535.01

Feb. 9, 1950 CLEAR-COOL

BAKER, T NOTES
CARVER, H.C
KRE 106346

CHECK DIVIDING SLAB FORMS, RAILS AND BOLTS FOR GRADE.

			H.I. 546.44 ROD	ELEV.
B.M.		+ 2.45 GRADE		543.99
RAIL E350.58	N2.00	541.17	5.26	541.18
"	S8.00	"	5.26	541.18
"	S15.17	"	5.27	541.17
E BAR E351.58	N2.00	"	5.27	541.17
"	S8.00	"	5.26	541.18
"	S15.17	"	5.27	541.17
E BAR E358.58	N2.00	"	5.26	541.18
"	S6.00	"	5.26	541.18
"	S15.17	"	5.27	541.17
RAIL E359.58	N2.00	"	5.27	541.17
"	S8.00	"	5.27	541.17
"	S15.17	"	5.27	541.17
RAIL E367.58	N2.00	"	5.26	541.18
"	S8.00	"	5.27	541.17
"	S15.17	"	5.26	541.18
E BAR E368.58	N2.00	"	5.27	541.17
	S8.00	"	5.27	541.17

Settling Basin Dividing Slab (Cont'd)

H.I = 546.44

		Grade	Rod	Elev.
⊏ Bar				
E 368.58	S15.17	541.17	5.27	541.17
⊏ Bar				
E 375.58	N2.0	"	5.26	541.18
"	S8.0	"	5.27	541.17
"	S15.17	"	5.26	541.18
Rail				
E 376.58	N2.00	"	5.27	541.17
"	S8.00	"	5.27	541.17
"	S15.17	"	5.27	541.17
Rail				
E 384.58	N2.0	"	5.27	541.17
"	S8.0	"	5.27	541.17
"	S15.17	"	5.26	541.18
⊏ Bar				
E 385.58	N2.0	"	5.27	541.17
	S8.0	"	5.27	541.17
	S15.17	"	5.27	541.17
Beams				
E 355.08	N2.0	539.11	7.32	539.12
"	S8.0	539.11	7.32	539.12
"	S15.17	539.11	7.33	539.11
E 372.08	N2.0	539.11	7.31	539.13
"	S8.0	539.11	7.32	539.12

Settling Basin (Cont'd)

H.I = 546.44

		Grade	Rod	Elev.
Beam				
E 372.08	S15.17	539.11	7.33	539.11
Bolts		Top of Bolts		
E 354.52	N3.04	540.78	5.65	540.79
"	N2.38	540.78	5.64	540.80
E 355.64	N3.04	540.78	5.64	540.80
"	N2.38	540.78	5.64	540.80
E 371.52	N3.04	540.78	5.65	540.79
"	N2.38	540.78	5.65	540.79
E 372.64	N3.04	540.78	5.64	540.80
"	N2.38	540.78	5.64	540.80
Ck. B.M.			2.45	543.99 Ck

Feb. 9, 1950 CLEAR-COOL

BAKER, J. 7 NOTES

CARVER, H.C

Hgt. 106346

SETTLING BASIN: CHECK DIVIDING SLAB

FORMS AND	RAILS	H.I. 546.42	
B.M.	+5.25	546.42	541.17
RAIL	GRADE	ROD	ELEV.
E 162.58 S58.17	541.17	-5.25	541.17
" S68.17	"	-5.25	541.17
" S78.17	"	-5.26	541.16
" S88.17	"	-5.25	541.17
" S101.17	"	-5.25	541.17
E BAR			
E 163.58 S58.17	"	-5.24	541.18
" S68.17	"	-5.25	541.17
" S78.17	"	-5.25	541.17
" S88.17	"	-5.24	541.18
" S101.17	"	-5.25	541.17
E BAR			
E 170.58 S58.17	"	-5.25	541.17
" S68.17	"	-5.25	541.17
" S78.17	"	-5.25	541.17
" S88.17	"	-5.26	541.16
" S101.17	"	-5.25	541.17
RAIL			
E 171.58 S58.17	"	-5.25	541.17
" S68.17	"	-5.24	541.18

SETTLING BASIN DIVIDING SLAB (cont'd)

H.I. = 546.42

RAIL	GRADE	ROD	ELEV.
E 174.58 S78.17	541.17	-5.25	541.17
" S88.17	"	-5.25	541.17
" S101.17	"	-5.25	541.17
RAIL			
E 179.58 S58.17	"	-5.25	541.17
" S68.17	"	-5.26	541.16
" S78.17	"	-5.25	541.17
" S88.17	"	-5.25	541.17
" S101.17	"	-5.25	541.17
E BAR			
E 180.58 S58.17	"	-5.25	541.17
" S68.17	"	-5.24	541.18
" S78.17	"	-5.25	541.17
" S88.17	"	-5.25	541.17
" S101.17	"	-5.25	541.17
E BAR			
E 187.58 S58.17	"	-5.25	541.17
" S68.17	"	-5.25	541.17
" S78.17	"	-5.24	541.18
" S88.17	"	-5.25	541.17
" S101.17	"	-5.25	541.17

SETTLING BASIN DIVIDING SLAB (cont)

H.I. = 546.42

		RAIL	GRADE	ROD	ELEV.
E 188.58	S 58.17		541.17	-5.25	541.17
"	S 68.17		"	-5.25	541.17
"	S 78.17		"	-5.25	541.17
"	S 88.17		"	-5.25	541.17
"	S 101.17		"	-5.25	541.17
FORM E 192.58	S 58.17		"	-5.25	541.17
"	S 68.17		"	-5.25	541.17
"	S 78.17		"	-5.25	541.17
"	S 88.17		"	-5.25	541.17
"	S 101.17		"	-5.25	541.17
CK B.M.				-5.25	541.17 CK

Feb. 9 1930
Baker
Carver

FILTERS: CHECK FORMS & TROUGHS FOR ELEV.

H.I.

		B.M.	+ 4.96 GRADE	551.09 ROD	546.13 ELEV.
W 161.92	N 50.95		545.00	-6.09	545.00
"	N 52.79		"	-6.09	545.00
"	N 58.20		"	-6.09	545.00
"	N 60.04		"	-6.09	545.00
"	N 65.45		"	-6.09	545.00
"	N 67.29		"	-6.09	545.00
"	N 72.70		"	-6.09	545.00
"	N 74.54		"	-6.09	545.00
"	N 79.95		"	-6.09	545.00
"	N 81.79		"	-6.09	545.00
W 167.42	N 50.95		"	-6.09	545.00
"	N 52.79		"	-6.09	545.00
"	N 58.20		"	-6.09	545.00
"	N 60.04		"	-6.09	545.00
"	N 65.45		"	-6.09	545.00
"	N 67.29		"	-6.09	545.00
"	N 72.70		"	-6.09	545.00
"	N 74.54		"	-6.09	545.00

FILTERS: CHECK FORMS & TROUGHS (Cont)

H.I = 551.09

		GRADE	ROD	ELEV.
W167.42	N79.95	545.00	-6.09	545.00
"	N81.79	"	-6.09	545.00
W180.75	N50.95	"	-6.09	545.00
"	N52.79	"	-6.09	545.00
"	N58.20	"	-6.09	545.00
"	N60.04	"	-6.09	545.00
"	N65.45	"	-6.09	545.00
"	N67.29	"	-6.09	545.00
"	N72.70	"	-6.09	545.00
"	N74.54	"	-6.09	545.00
"	N79.95	"	-6.09	545.00
"	N81.79	"	-6.09	545.00
W167.17	N50.00	545.50	5.60	545.49
"	N62.00	"	5.60	545.49
"	N75.00	"	5.61	545.48
"	N82.00	"	5.60	545.49
W167.17	N50.00	"	5.59	545.50
"	N62.00	"	5.60	545.49

FILTERS: CHECK FORMS & TROUGHS (Cont'd)

H.I = 551.09

		GRADE	ROD	ELEV.
W167.17	N75.00	545.50	5.59	545.50
"	N82.00	"	5.59	545.50
CK B.M			4.96	546.13 CK

Feb. 10, 1950 OVERCAST - COOL

BAKER T
CARVER

KYE 106346

FILTERS S HALE CHECK FORMS & SUB GRADE

		H.I. 543.48	
B.M.	+2.00	ROD	ELEV.
SUB GRADE	GRADE		
W80.75 S12	538.00	5.50	537.98
" S22	"	5.49	537.99
" S32	"	5.53	537.95
" S48.25	"	5.47	538.01
W114.42 S12	"	5.56	537.92
S22	"	5.54	537.94
S32	"	5.60	537.88
S48.25	"	5.51	537.97
W148.09 S12	"	5.53	537.95
" S22	"	5.61	537.87
" S32	"	5.58	537.90
" S48.25	"	5.48	538.00
W94.57 S12	536.00	7.51	535.97
" S22	"	7.49	535.99
" S32	"	7.53	535.95
" S48.25	"	7.61	535.87
W100.07 S12	"	7.50	535.98
" S22	"	7.52	535.96

FILTERS S. HALE (Cont'd)

H.I. = 543.48

SUB GRADE	GRADE	ROD	ELEV
W100.07 S32	536.00	7.60	535.88
" S48.25	"	7.58	535.90
W128.74 S12	"	7.48	536.00
" S22	"	7.52	535.96
" S32	"	7.54	535.94
" S48.25	"	7.46	536.02
W134.24 S12	"	7.49	535.99
" S22	"	7.51	535.97
" S32	"	7.50	535.98
" S48.25	"	7.56	535.92
FORMS			
W155.25 S12	539.00	4.48	539.00
" S22	"	4.48	539.00
" S32	"	4.48	539.00
" S48.25	"	4.49	538.99
S48.25 W73.35	"	4.49	538.99
W83.35	"	4.48	539.00
W93.35	"	4.48	539.00
W103.35	"	4.48	539.00

FILTERS 05-HALF

H.I. = 543.48

FORMS		GRADE	ROD	ELEV
S48.25	W113.35	539.00	-4.49	538.99
	W123.35	"	-4.48	539.00
	W128.00	"	-4.47	539.01
	W133.00	"	-4.47	539.01
	W143.00	"	-4.48	539.00
	W155.25	"	-4.48	539.00
W155.25	S[illegible]	"	-4.48	539.00
	S[illegible]	"	-4.48	539.00
	S32	"	-4.48	539.00
	S48.25	"	-4.48	539.00
CK BM.			-2.00	541.48 CK

Feb 14, 1950 Clear & Warm

BAKER, T & NOTES
CARVER, H.C.
K&E 106346

FILTERS - CHECK FORMS AND TROUGHS FOR ELEV

H.I. = 551.14

B.M.		+5.01 GRADE	ROD	546.13 ELEV
W115.42	N 14.21	545.00	- 6.14	545.00
"	N 17.75	"	- 6.14	545.00
"	N 21.96	"	- 6.14	545.00
"	N 23.79	"	- 6.15	544.99
"	N 29.21	"	- 6.14	545.00
"	N 31.04	"	- 6.14	545.00
"	N 36.45	"	- 6.15	544.99
"	N 38.29	"	- 6.14	545.00
"	N 43.70	"	- 6.14	545.00
"	N 45.54	"	- 6.14	545.00
W128.75	N 14.21	"	- 6.14	545.00
"	N 17.75	"	- 6.14	545.00
"	N 21.96	"	- 6.14	545.00
"	N 23.79	"	- 6.14	545.00
"	N 29.21	"	- 6.14	545.00
"	N 31.04	"	- 6.14	545.00
"	N 36.45	"	- 6.14	545.00
"	N 38.29	"	- 6.14	545.00

FILTERS: TROUGHS & FORMS (Cont'd)

H.I. = 551.14

		GRADE	ROD	ELEV.
W128.25	N 43.70	545.00	6.14	545.00
"	N 45.54	"	6.14	545.00
W W134.25	N 14.21	"	6.15	544.99 ~~545.00~~
"	N 17.75	"	6.14	545.00
"	N 21.96	"	6.14	545.00
"	N 23.79	"	6.14	545.00
"	N 29.21	"	6.14	545.00
"	N 31.04	"	6.14	545.00
"	N 36.45	"	6.14	545.00
"	N 38.29	"	6.14	545.00
"	N 43.70	"	6.14	545.00
"	N 45.54	"	6.14	545.00
W 147.58	N 14.21	"	6.14	545.00
"	N 17.75	"	6.15	544.99
"	N 21.96	"	6.14	545.00
"	N 23.79	"	6.14	545.00
"	N 29.21	"	6.14	545.00
"	N 31.04	"	6.14	545.00

FILTERS: TROUGHS & FORMS (Cont'd)

H.I. = 551.14

		GRADE	ROD	ELEV.
W147.58	N 36.45	545.00	6.14	545.00
"	N 38.29	"	6.15	544.99
"	N 43.70	"	6.14	545.00
"	N 45.54	"	6.14	545.00
CK B.M.			5.01	546.13 CK

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March 6, 1950

Leonard, T
Carver ROD + Notes
K+E 10634b

Set elevations for Doors in H. H.

		HI	Elev.
BM +3.145		554.910	549.765
	Grade	ROD	
	557.02	+2.11	557.02
Ck. BM.		-5.145	549.765

137

Feb. 15, 1950
LEONARD
BAKER
CARVER

CLEAR - WARM

KWE 106346

CROSS-SECTION OF DITCH - 54" OVER-FLOW INTO ALVARADO CANYON

BASE LINE ℄ OF 54" PIPE FACE OF PIPE N-O.

B.M. on S.M.H.	+1.08	528.76	527.68
		Roo	
N10 ℄		-12.83	
N10 E2.6		-12.82	
N10 E7.7		-1.95	
N10 W2.9		-12.52	
N10 W7.2		-2.65	
N20 ℄		-13.72	
N20 E3.4		-13.23	
N20 E6.3		-2.65	
N20 W3.6		-13.72	
N20 W7.5		-3.10	
N30 ℄		-14.56	
N30 E2.4		-13.83	
N30 E6.3		-2.93	
N30 W4.1		-14.23	
N30 W7.9		-4.25	

H.I. 528.76

		BREAK OF DITCH 4.5 TO LEFT	
N40 ℄		-14.44	
N40 E2.3		-13.59	
N40 E5.4		-3.80	
N40 W2.0		-15.00	
N40 W4.0		-14.50	
N40 W7.9		-5.33	
CK B.M.		-1.08	527.68

Check, storm

Mar. 6, 1950
Leonard T Carver, Rod + Notes
K+E 106346

Check Settling Basin Slab

		H.I 540.16	
B.M.	+5.17	Rod	534.99
	Grade		Elev.
E359.58 S38.17	535.00	-5.16	535.00
" S68.17	"	-5.16	535.00
" S78.17	"	-5.16	535.00
" S88.17	"	-5.17	534.99
" S101.17	"	-5.16	535.00
E367.58 S38.17	"	-5.16	535.00
" S68.17	"	-5.17	534.99
" S78.17	"	-5.16	535.00
" S88.17	"	-5.16	535.00
" S101.17	"	-5.16	535.00
E376.58 S38.17	"	-5.16	535.00
" S68.17	"	-5.16	535.00
" S78.17	"	-5.16	535.00
" S88.17	"	-5.16	535.00
" S101.17	"	-5.16	535.00
E384.58 S38.17	"	-5.16	535.00
" S68.17	"	-5.16	535.00
" S78.17	"	-5.16	535.00

Settling Basin floor Slab (Cont.)

	Grade	H.I 540.16 Rod	Elev.
E384.58 E8.17	535.00	-5.16	535.00
E101.17	535.00	-5.17	534.99
ck BM.		-5.17	534.99

Check footings: Settling Basin #2

		H.I 540.16	
BM.	+5.17	Rod	534.99
			Elev.
E355.08 S68.92		-7.35	532.81
" S90.42		-6.57	533.59
E372.08 S68.92		-7.74	532.42
" S90.42		-6.50	533.66
ck BM.		-5.17	534.99

543.78

* CHECK B.M. -4.80 538.98 = 539.00

NOTE: READINGS TAKEN AFTER FORMS REMOVED.

B.M. 540.465 is on curb around east carburetor bolt in Headhouse.

B.M. 539.00 is on top of walkway in S.E. corner of zeolite Bed #3. All trough grades in east side of zeolite bldg were set from this B.M. by Baker and Carver.

MARCH 13, 1950
NOTE: B.M. 539.00 WAS FOUND TO BE 538.98 SEE PAGE 147 OF THIS BOOK

CHECK LIPS OF TROUGHS IN ZEOLITE BED #1.

B.M. +3.915	543.780	540.465
TROUGH #1 W. END, N. SIDE	-8.815	534.965
" S. "	-8.82	34.96
CENTER, N. "	-8.805	34.975
" S. "	-8.81	34.97
E. END N. "	-8.81	34.97
" S. "	-8.81	34.97
TROUGH #2 W. END N. SIDE	-8.815	34.965
" S. "	-8.82	34.96
CENTER N. "	-8.81	34.97
" S. "	-8.82	34.96
E. END N. "	-8.815	34.965
" S. "	-8.805	34.975
TROUGH #3 W. END N. SIDE	-8.805	34.975
" S. "	-8.805	34.975
CENTER N. "	-8.805	34.975
" S. "	-8.805	34.975
E. END N. "	-8.80	34.98
" S. "	-8.795	34.985
CHECK B.M.*	-3.915	540.465 SEE NOTE OPPOSITE.

March 6, 1950
Clear, Warm.

Leonard Carver
H.E. 4106346

Check Elevations at Toolite Main Entry Stairs.

	H.I.	Rod	~~Elev.~~
B.M. +5.12	544.11		538.99
Set B.M.	Grade	-5.89	538.22
	539.29	-4.82	539.29
	539.29	-4.82	539.29
	541.12	-2.98	541.13
W. 54.00 S93.41	542.79	-1.32	542.79
" S107.41	542.79	-1.32	542.79
W81.87 S88.91	543.16	-0.93	543.19
" S98.16	543.16	-0.92	543.19
" S107.41	543.16	-0.93	543.19
W. 62.00 S93.41	542.79	-1.31	542.80
" S107.41	542.79	-1.32	542.79
S93.41 W67.63	539.71	-4.40	539.71
" W81.17	540.79	-3.32	540.79
W. 67.33 S93.41	540.79	-3.32	540.79
" S107.41	540.79	-3.32	540.79
Ck. B.M.		-5.12	538.99

N. SIDE RIM OF M.H. AT S.E. SIDE OF WATER TANK

□ CHISELED ON TOP S.E. CORNER WASHWATER CONTROL STR.

RIM OF M.H. AT S 181.83 W 100.12

RIM OF M.H. AT S 177± E 60.0

TO ZEOLITE BLDG. 2□ ON CONC. 6"S. AND 8"E. OF S.W. COR. OF HATCH,
SET B.M. ON FINISHED SURFACE OF CONCRETE AT S. ENTRANCE

TOP OF WALK S.E. COR. ZEOLITE BED #3.

TOP OF CURB AROUND E. BRINE DILUTION BOX IN HEADHOUSE

2" □, RED KEEL.
W. END OF CARBONATION CHAMBER, 3" S. OF SETTLED WATER COND.

ON STAIRS LANDING IN CENTER OF H.H. LOBBY; ROUGH CONC.

NAIL IN CONC. AT 0+00 IN HEADHOUSE.

S.E. CORNER SALT STG. TANK

K&E LEVEL 106346. MARCH 13, 1950 LEONARD K CARVER - AMO

CHECK LEVELS AROUND PLANT SITE

+4.617	541.007		536.39 ON DAM
SET B.M. #1		-1.490	539.517
+4.327	543.844		
CHECK B.M.		-2.363	541.481 = 541.48
+1.888	543.369		
CHECK B.M.		-5.172	538.197 = 538.22
+1.483	539.680		
CHECK B.M.		-9.358	530.322 = 530.31
+5.718	536.040		
SET B.M.		-1.518	534.522
+9.309	543.831		
CHECK B.M.		-4.850	538.981 = 539.00 ✓
CHECK B.M.		-3.367	540.464 = 540.465
+6.339	546.803		
SET B.M.		-5.062	541.741
T.P.		-1.479	545.324
+9.569	554.893		
CHECK B.M.		-5.138	549.755 = 549.765
+1.541	551.306		
CHECK B.M.		-4.642	546.664 = 546.66

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S. End of Door Sill into Gardner's Sludge Control House Shed under Hump on Rail at S.102.9; E 308.58, in Settling Basins

Iron Pin in Conc. Mon. at 430 E on Axis.

□ on Conc. Mon. at 535 E, on Axis.

W. End of Curb on Truck Scales.

K&E Level 106 846 — March 14, 1950 — Leonard T. Carver Rd — 149

Continue Levels around Plant Site.

			Rim M.H
B.M. +6.048	536.370		530.322 SIBT, E60,
Set B.M.		-5.08	531.34
Check T.B.M.		-1.395	534.975 = 534.99
Check B.M. +4.675	539.650	-2.068	537.582 = 537.59
Check B.M.		-1.18	538.470 = 538.47
+5.763	544.233		
T.P. Rock.		-0.451	543.782
+5.528	549.310		
Set B.M.		-2.73	546.58
Check B.M. on Set Sto. Tank.		-2.648	546.662 = 546.66

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March 16, 1950

Leonard, IT
Carver, Rod + Note

Check levels on Filter Walkways N. Half

BM +5.015	554.750 Grade	Rod	549.735 Elev.
W114.42 S12.00	550.00	4.75	550.00
" S14.83	"	4.75	550.00
" S21.06	"	4.75	"
" S28.62	"	4.76	549.99
" S31.62	"	4.76	"
" S39.19	"	4.75	550.00
" S46.75	"	4.75	"
" S48.75	"	4.75	"
W116.42 S12.00	"	4.75	"
" S14.83	"	4.75	"
" S21.06	"	4.75	"
" S28.62	"	4.75	"
" S31.62	"	4.75	"
" S39.19	"	4.75	"
" S46.75	"	4.75	"
" S48.75	"	4.75	"
W128.75 S12.00	"	4.74	550.01
" S14.83	"	4.75	550.00

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HI = 554.75

of Beds ~ 54 ft	Grade	Rod	Elev.
W128.75 S21.06	550.00	4.75	550.00
" S28.62	"	4.75	"
" S31.62	"	4.75	"
" S39.19	"	4.75	"
" S46.75	"	4.75	"
" S48.75	"	4.75	"
W134.25 S12.00	"	4.75	"
" S14.83	"	4.75	"
" S21.06	"	4.75	"
" S28.62	"	4.76	549.99
" S31.62	"	4.76	"
" S39.19	"	4.75	550.00
" S46.75	"	4.75	"
" S48.75	"	4.75	"
W146.38 S12.00	"	4.75	"
" S14.83	"	4.75	"
" S21.06	"	4.75	"
" S28.62	"	4.76	549.99
" S31.62	"	4.75	550.00

Filter Walkways (Cont'd) HI = 554.75

	Grade	rod	elev.
W146.58 S39.19	550.00	4.75	550.00
" S46.75	"	4.75	"
" S48.25	"	4.75	"
W149.58 S12.00	"	4.75	"
" S14.83	"	4.75	"
" S21.06	"	4.75	"
" S28.62	"	4.75	"
" S31.62	"	4.75	"
" S39.19	"	4.75	"
" S46.75	"	4.76	549.99
" S48.25	"	4.76	"
W161.92 S12.00	"	4.75	550.00
" S14.83	"	4.76	549.99
" S21.06	"	4.75	550.00
" S28.62	"	4.75	"
" S31.62	"	4.75	"
" S39.19	"	4.75	"
" S46.75	"	4.75	"
" S48.25	"	4.75	"

Filter Walkways (Cont'd) HI = 554.75

	Grade	rod	elev
W167.45 S12.00	550.00	4.74	550.01
" S14.83	"	4.75	550.00
" S21.06	"	4.75	"
" S28.62	"	4.75	"
" S31.62	"	4.75	"
" S39.19	"	4.75	"
" S46.75	"	4.76	549.99
" S48.25	"	4.75	550.00
W179.75 S12.00	"	4.75	"
" S14.83	"	4.75	"
" S21.06	"	4.74	550.01
" S28.62	"	4.75	"
" S31.62	"	4.75	"
" S39.19	"	4.75	"
" S46.75	"	4.75	"
" S48.25	"	4.75	"
W181.75 S12.00	"	4.75	"
" S14.83	"	4.75	"
" S21.06	"	4.76	549.99

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Filter. Walkways (Contd) HI = 554.75

		Grade	rod	elev
W181.75	538.62	550.00	4.75	550.00
"	531.62	"	4.75	"
"	539.19	"	4.75	"
"	546.75	"	4.75	"
"	548.55	"	4.75	"
ck BM			5.015	550.00

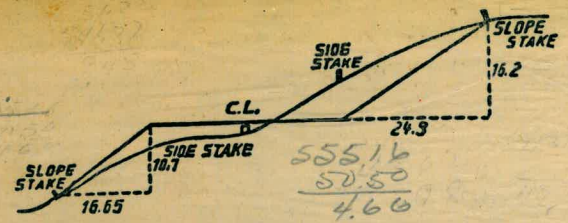
#744

CITY OF SAN DIEGO

RECD

JAN 3 1950

RESIDENT ENGINEER



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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