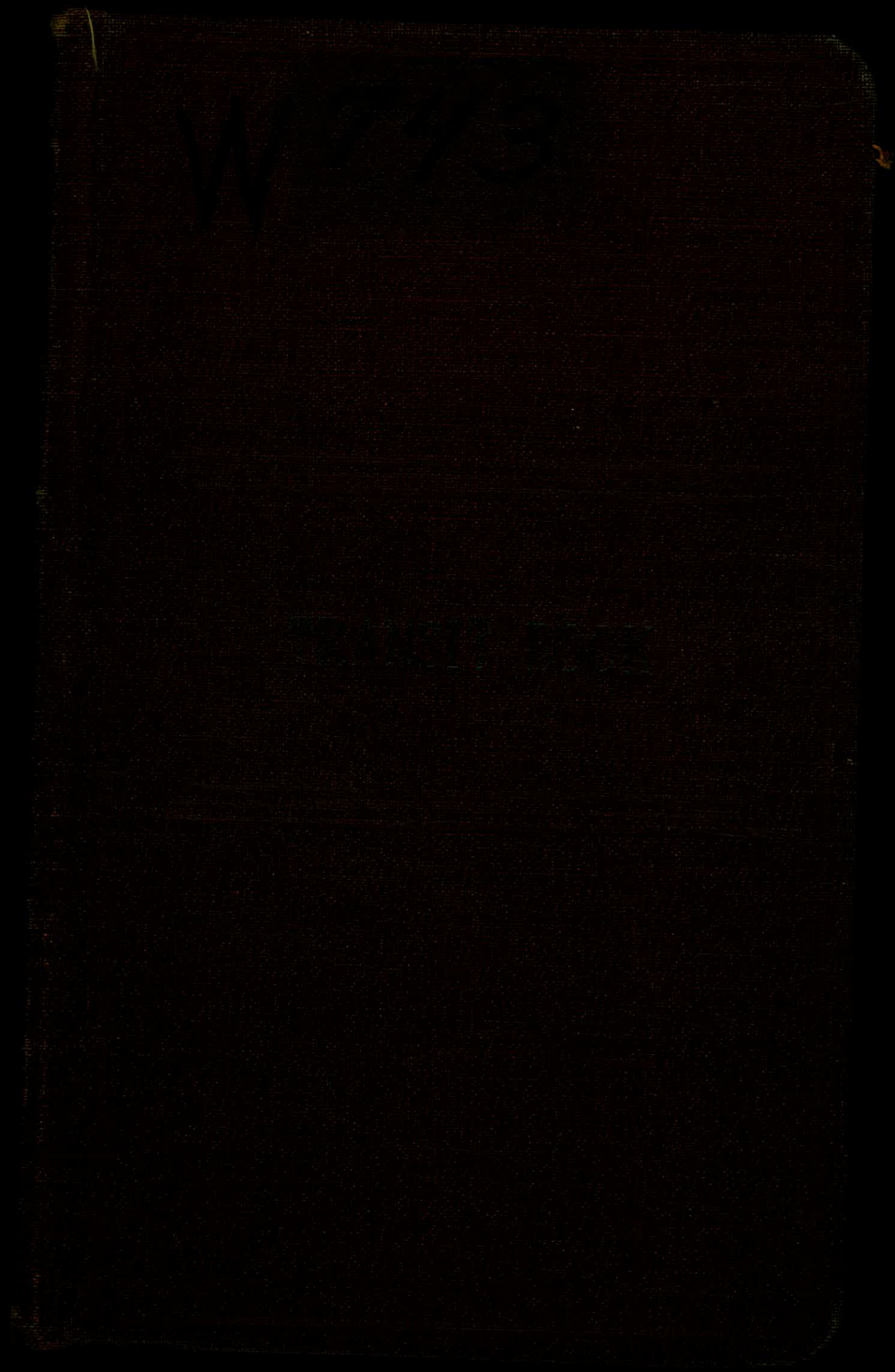
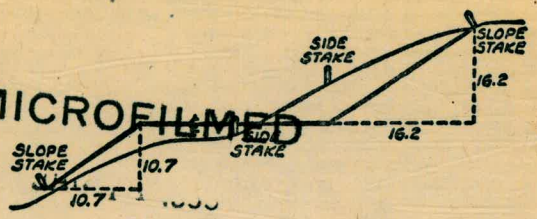


#743



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.

#743

NOTE: LEVEL BOOK, USED IN LAYOUT AND CHECKING FORMS AND SUB GRADE.

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	.210	[illegible]	.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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CHECK FORM GRADES SOUTH WALL OF N. HALF FILTERS

	H.I / Rod	Elev
B.M. +9.24	550.71	541.47
N11 E181.67	-2.09	548.62
" E171.67	-2.09	548.62
" E161.67	-2.08	548.63
" E151.67	-2.08	548.63
" E141.67	-2.08	548.63
" E131.67	-2.09	548.62
" E121.67	-2.08	548.63
" E114.33	-2.07	548.64
N12 E181.67	-2.09	548.62
" E171.67	-2.09	548.62
" E161.67	-2.08	548.63
" E151.67	-2.08	548.63
" E141.67	-2.07	548.64
" E131.67	-2.08	548.63
" E121.67	-2.09	548.62
" E114.33	-2.09	548.62
CK. B.M.	-9.24	541.47=541.47

CLEAR HOT — Oct. 27, 1949 — LEONARD BAKER T & NOTES 2 PAYNE H.C CARVER, R.C.

CHECK FORMS FOR GRADE HEADHOUSE RAW WATER CONDUIT.

	H.I	
B.M. +4.60	555.10	550.50
N7033 E46	-5.88	549.22
" E36	-5.86	549.24
" E26	-5.86	549.24
" E16.38	-5.87	549.23
E16.38 N 79.00	-5.87	549.23
BEAM RECESS " N80.83	-6.83	548.27
" N81.00	-5.87	549.23
" N91.33	-5.87	549.23
N91.33 E26	-5.87	549.23
" E36	-5.87	549.23
" E46	-5.87	549.23
BEAM RECESS N69.08 E44.33	~~-6.50~~	
BEAM RECESS E15.13 N71.67	-6.50	548.60
BEAM RECESS " N78.33	-6.52	548.58
BEAM RECESS " N85.00	-6.52	548.58
BEAM RECESS " N91.67	-6.50	548.60
BEAM RECESS N92.58 E37.0	-6.61	548.49
CK. B.M.	-4.60	550.50 O.K.

3 CLEAR
HOT

Oct. 27, 1949 BAKER, T & NOTES
PAYNE, H.C
CARVER, R.C

SETTLING BASIN: CHECK RAILS FOR ELEV.

		H.I. 539.48	
B.M. + 1.89			537.59
		GRADE	ROD	ELEV.
E248.58 S15.17		535.00	-4.47	535.01
	S25.17	535.00	-4.47	535.01
	S35.17	535.00	-4.47	535.01
	S45.17	535.00	-4.47	535.01
	S58.17	535.00	-4.47	535.01
E257.58 S15.17		535.00	-4.48	535.00
	S25.17	535.00	-4.49	534.99
	S35.17	535.00	-4.48	535.00
	S45.17	535.00	4.48	535.00
	S58.17	535.00	-4.48	535.00
E265.58 S15.17		535.00	-4.48	535.00
	S25.17	535.00	4.47	535.01
	S35.17	535.00	-4.47	535.01
	S45.17	535.00	-4.48	535.00
	S58.17	535.00	-4.49	534.99
E274.58 S15.17		535.00	-4.48	535.00
	S25.17	535.00	-4.48	535.00
	S35.17	535.00	-4.48	535.00

RAILS FOR ELEV. CONT H.I. 539.48

		GRADE	ROD	ELEV.
E274.58 S45.17		535.00	4.48	535.00
	S58.17	535.00	448	535.00
CK. B.M.			-1.89	537.59 = 537.59

CLEAR
HOT

Oct. 27, 1949 BAKER, T & NOTES
PAYNE, H.C
CARVER, R.C

CHECK MIXING BASIN WALL FORM

	H.I. 555.07	
B.M. +8.41		546.66
N37.79 E312.58	-6.07	549.00
E322.58	-6.08	548.99
E332.58	-6.07	549.00
E346.58	-6.07	549.00
CK. B.M.	-8.41	546.66

5 Clear
Hot

NOV. 1, 1949

LEONARD
Baker T + Notes
Payne, N.C
Carver, R.C

SOUTH FILTER WALL END: SUB GRADE OF STEPS

		GRADE	H.I. 537.52 15.02	ELEV.
B.M. on Sewer M.H.				
W 47.00	S 83	522.50	~~14.5~~	522.50
W 53.05	"	522.50	-15.02	522.50
step. W 53.05	"	525.00	-12.52	525.00
W 57.35	"	525.00	-12.52	525.00
step W 57.35	"	527.50	-10.02	527.50
W 62.55	"	527.50	-10.02	527.50
step. W 62.55	"	530.00	-7.52	530.00
W 64.70	"	530.00	-7.52	530.00
W 47.00	S 91.08	522.50	-15.02	522.50
W 52.67	"	522.50	-15.04	522.48
W 52.67	"	525.00	-12.56	524.66
W 57.82	"	525.00	-12.61	524.91
W 57.82	"	527.50	-10.21	527.31
W 62.82	"	527.50	-10.20	527.32
W 62.82	"	530.00	-7.56	529.96
W 64.72	"	530.00	-7.50	530.02
CK B.M				

NOV. 1, 1949

BAKER T + NOTES
PAYNE, N.C
CARVER, R.C
6

SETTLING BASIN: CHECK FORM GRADES

		GRADE	H.I. 540.11 ROD	ELEV. 530.31
B.M. Sewer M.H.		+ 9.80		
N 145.42	E 158.58	535.00	-5.11	535.00
"	E 168.58	535.00	-5.12	534.99
"	E 178.58	535.00	-5.11	535.00
"	E 188.58	535.00	-5.10	535.01
"	E 192.58	535.00	-5.12	534.99
N 142.50	E 158.58	535.00	-5.11	535.00
"	E 168.58	535.00	-5.11	535.00
"	E 178.58	535.00	-5.10	535.01
"	E 188.58	535.00	-5.12	534.99
"	E 192.58	535.00	-5.11	535.00
CK. B.M.			-9.80	530.31

Clear Hot

Nov. 2, 1949

Baker T & Notes
Payne H.C.
Carver, R.C.

MIXING BASIN CHECK WALL FORMS

		H.I.	
B.M. + 8.45		555.11	546.66
N 37.78 E 312.58	549.00	-6.11 -5.98	549.00
" E 322.58	549.00	-6.11 -5.98	549.00
" E 332.58	549.00	-6.12 -5.99	548.99
" E 346.58	549.00	-6.12 -5.99	548.99
N 22.68 E 312.58	549.00	-6.11 -5.98	549.00
E 322.58	549.00	-6.12 -5.99	548.99
E 332.58	549.00	-6.12 -5.99	548.99
E 346.58	549.00	-6.11 -5.98	549.00
CK. B.M.		-8.45	546.66

Clear Hot

Nov. 2, 1949

Baker T & Notes
Payne H.C.
Carver, R.C.

SETTLING BASIN SECOND DECK

CHECK ELEV. OF FORMS, RAILS, BOLTS

B.M. +2.31 H.I. 546.32 544.01

		GRADE	ROD	ELEV.
RAIL E 94.58	N 2	541.17	-5.14	541.18
RAIL "	S 8.00	541.17	-5.14	541.18
RAIL "	S 15.17	541.17	-5.14	541.18
RAIL E 103.58	N 2.0	541.17	-5.14	541.18
RAIL "	S 8.0	541.17	-5.14	541.18
RAIL "	S 15.17	541.17	-5.14	541.18
RAIL E 111.58	N 2.0	541.17	-5.14	541.18
RAIL "	S 8.0	541.17	-5.14	541.8
RAIL "	S 15.17	541.17	-5.15	541.17
RAIL E 120.58	N 2.0	541.17	-5.14	541.18
RAIL "	S 8.0	541.17	-5.14	541.18
RAIL "	S 15.17	541.17	-5.14	541.18
C BAR E 95.58	N 2	541.17	-5.15	541.17
"	S 8	541.17	-5.14	541.17
"	S 15.17	541.17	-5.15	541.17
C BAR E 102.58	N 2	541.17	-5.15	541.17
"	S 8	541.17	-5.15	541.17

SETTLING BASIN Cont.

H.I. 546.32

		GRADE	ROD	ELEV.
C BAR				
E102.58	S15.17	541.17	-5.14	541.18
C BAR				
E112.58	N 2.0	541.17	-5.14	541.18
"	S 8.0	541.17	-5.14	541.18
"	S15.17	541.17	-5.14	541.18
C BAR				
E119.58	N 2	541.17	5.14	541.18
"	S 8	541.17	5.14	541.18
"	S15.17	541.17	5.15	541.17
BEAMS				
E99.08	N 2	539.11	-7.23	539.09
"	S 8	539.11	-7.22	539.10
"	S15.17	539.11	-7.22	539.10
BEAM				
E116.08	N 2	539.11	-7.21	539.11
"	S 8	539.11	-7.20	539.12
"	S 15.17	539.11	7.21	539.11
BOLTS				

CLEAR
HOT

NOV. 3, 1949

LEONARD
BAKER
PAYNE
CARVER

HEAD HOUSE BASEMENT: CHECK SUB-GRADE, FORM GRADES:

B.M. + 1.26 528.26 527.00

	GRADE	ROD	ELEV.
528.50 E16.58 SUB GRADE	523.67	-4.61	523.65
528.50 E26.00	523.67	-4.62	523.64
528.50 E30.00	523.67	-4.65	523.61
524.00 E16.58	523.67	-4.70	523.56
" E26.00	523.67	-4.65	523.61
" E30.00	523.67	-4.61	523.65
519.67 E16.58	523.67	4.63	523.63
" E26.00	523.67	4.62	523.64
" E30.00	523.67	4.67	523.59
516.00 E16.58	523.62	-4.65	523.61
" E26.00	523.62	-4.68	523.58
" E30.00	523.62	-4.63	523.64
512.50 E16.58	523.58	-4.75	523.51
" E26.00	523.58	-4.79	523.47
" E30.00	523.58	-4.76	523.50
512.50 E12.50	522.67	-5.64	
" E14.50	522.67	-5.65	

HEADHOUSE BASEMENT cont'd

H.I 528.26

Sub GRADE	GRADE	ROD	ELEV.
E11.00 S16.67	522.67	-5.69	522.57
E13.50 S16.67	522.67	-5.70	522.56
S19.67 E11.00	522.67	-5.62	523.64
" E14.50	522.67	-5.67	522.59
S24.00 E13.00	522.67	-5.63	523.63
" ~~E16.58~~ E14.50	522.67	-5.65	523.61
S28.50 E13.00	522.67	-5.65	523.61
" E14.50	522.67	-5.70	522.56
FORMS S28.50 E16.58	524.17	-4.09	524.17
" E23.58	524.17	-4.09	524.17
" E30.00	524.17	-4.09	524.17
E30. S 24.00	524.17	-4.09	524.17
" S19.67	524.17	-4.09	524.17
E29.50 S12.50	524.08	-4.18	524.08
S12.50 E18.50	524.08	-4.18	524.08
S12.50 E ~~10.50~~ 12.50	524.08	-4.18	524.08
S17.00 E ~~10.50~~ 12.50	524.08	-4.18	524.08
S17.00 E11.00	524.08	-4.18	524.08

13 Clear Hot — Nov. 2, 1949 — Leonard Baker T & Notes, Payne H.C, Carver, R.C

Filter Walls - Check Form Grades

H.I. 549.65

			B.M. +11.09	Grade	Rod	Elev.
N 11.00	W 47.08			548.67	-0.99	548.66
"	~~W 48.00~~				~~-0.99~~	
"	~~W 49.00~~				~~-1.01~~	
"	W 59.00			548.67	-0.99	548.66
"	W 69.00			548.67	-0.98	548.67
"	W 79.00			548.67	-1.00	548.65
"	W 89.00			548.67	-0.99	548.66
"	W 99.00			548.67	-0.98	548.67
"	W 109.00			548.67	-0.99	548.66
"	W 114.41			548.67	-0.99	548.66
N 12.0	W 47.08			548.67	-0.99	548.66
"	W 49.00			548.67	-1.00	548.65
"	W 59.00			548.67	-1.00	548.65
"	W 69.00			548.67	-1.01	548.64
"	W 79			548.67	-0.99	548.66
"	W 89			548.67	-1.00	548.65
"	W 99			548.67	-0.99	548.66
"	W 114.41			548.67	-0.99	548.66
@ K.B.M.					-11.09	538.56

Clear Hot — Nov. 3, 1949 — Leonard Baker T & Notes, Payne H.C, Carver, R.C

Settling Basin: Check Rail & Form Grades

H.I. 539.50

			B.M. +1.91	Elev.	Rod	Grade
N 7.21	E 282.58			535.00	4.51	534.99
"	S 3.21	"		535.00	4.51	534.99
"	S 13.00	"		535.00	4.51	534.99
"	S 23.00	"		535.00	4.51	534.99
"	S 33.00	"		535.00	4.51	534.99
"	S 43.00	"		535.00	4.51	534.99
"	S 58.17	"		535.00	4.51	534.99
N 7.21	E 291.58			535.00	4.51	534.99
"	S 3.00	E 291.58		535.00	4.51	534.99
"	S 13.00	"		535.00	4.51	534.99
"	S 23.00	"		535.00	4.51	534.99
"	S 33.00	"		535.00	4.51	534.99
"	S 43.00	"		535.00	4.51	534.99
"	S 58.17	"		535.00	4.51	534.99
N 7.21	E 299.58			535.00	4.51	534.99
"	S 3.00	"		535.00	4.51	534.99
"	S 13.00	"		535.00	4.50	535.00
"	S 33.00	"		535.00	4.50	535.00

SETTLING BASIN CHECK Cont

H.I. 539.50

		GRADE	ROD	ELEV.
S33.00	E299.58	535.00	-4.51	534.99
S43.00	"	535.00	-4.51	534.99
S58.17	"	535.00	-4.50	535.00
CK B.M.			-1.91	537.59

clear Hot — Nov 3, 1949 — Leonard Baker, T & notes; Dayne, H.C; Carver, R.C

MIXING BASIN: CHECK WALL FORM GRADES

B.M. +8.46 — H.I. 555.12 — 546.66

		GRADE	ROD	ELEV.
N7.21	E278.58	544.00	11.12	544.00
"	E288.58	544.00	11.12	544.00
"	E298.58	544.00	11.12	544.00
"	E308.58	544.00	11.13	539.99
"	E312.58	544.00	11.12	544.00
CK B.M.			-8.46	546.66

clear Hot — Nov. 4th — Leonard Baker, T & notes; Dayne, H.C; Carver, R.C — 16

SETTLING BASIN: CHECK RAIL & FORM GRADES

B.M. +4.50 — H.I. 539.50 — 535.00

		GRADE	ROD	ELEV.
E162.58	S101.17	535.00	-4.50	535.00
"	S111.17	535.00	-4.50	535.00
"	S121.17	535.00	-4.50	535.00
"	S131.17	535.00	-4.50	535.00
"	S143.42	535.00	-4.50	535.00
E171.58	S101.17	535.00	-4.50	535.00
"	S111.17	535.00	-4.50	535.00
"	S127.17	535.00	-4.50	535.00
"	S131.17	535.00	-4.50	535.00
"	S143.17	535.00	-4.50	535.00
E179.58	S101.17	535.00	-4.50	535.00
"	S111.17	535.00	-4.50	535.00
"	S121.17	535.00	-4.50	535.00
"	S131.17	535.00	-4.50	535.00
"	S143.42	535.00	-4.50	535.00
E188.58	S101.17	535.00	-4.51	534.99
"	S111.17	535.00	-4.51	534.99
"	S121.17	535.00	-4.51	534.99

SETTLING BASIN Cont.

H.I. 539.50

E 188.58 S 131.17	535.00	4.51	534.99
" S 149.42	535.00	4.51	534.99
OK. BM		-4.50	535.00

Cloudy
Cold.

LEONARD
BAKER
PAYNE
CARVER

MIXING BASIN WALLS

CHECK SMALL WEIR WALL NOV. 9 1949

BM +8.49 T 555.15 546.66

	GRADE	ROD	ELEV
N 7.21 E 312.58	544.00	11.15	544.00
322.58	"	11.15	544.00
332.58	"	11.15	544.00
342.58	"	11.15	544.00
E 346.58	"	11.14	544.01

FILTERS, FILTERED WATER CONDUIT

CHECK SLAB NORTH SIDE, NORTH FILTER WALL. NOV. 7 1949

BM +6.41 T 544.97 538.56

	GRADE	ROD	ELEV.
N 90.67 W 104.41	538.88	6.05	538.92
W 114.41	"	6.07	538.90
W 124.41	"	6.09	538.88
W 134.41	"	6.11	538.86
W 144.41	"	6.15	538.82
W 154.41	"	6.17	538.80
W 173.08	538.75	6.20	538.70

W 173.08

OCT 21, 1949
LEONARD
BAKER
PAYNE
CARVER

FILTER WALL

CHECK NORTH WALL OF NORTH FILTERS

BM. +10.42 — ℄ 548.98 — 538.56

	GRADE	ROD	ELEV
N84.50 W113.34	548.67	0.30	548.68
123.34	"	0.30	548.68
133.34	"	0.30	548.68
143.34	"	0.30	548.68
153.34	"	0.29	548.69
163.34	"	0.30	548.68
173.34	"	0.32	548.66
181.75	"	0.31	548.67
KET			
N84.50 W113.34	546.00	3.00	545.98
123.34	"	2.98	546.00
128.17	"	2.97	546.01
132.67	"	3.00	545.98
142.67	"	3.01	545.97
152.67	"	3.02	545.96
161.34	"	3.00	545.98
165.84	"	3.00	545.98
175.84	"	3.00	545.98
181.75	"	3.00	545.98

H.I = 548.98

	GRADE	ROD	ELEV.
N85.50 W113.34	548.67	0.30	548.68
123.34	"	0.30	548.68
133.34	"	0.30	548.68
143.34	"	0.29	548.69
153.34	"	0.30	548.68
163.34	"	0.30	548.68
173.34	"	0.30	548.68
181.75	"	0.29	548.69
Block outs in wall.			
N84.50 W128.17		4.03	544.95
W132.67		4.04	544.94
N84.50 W161.34		4.04	544.94
W165.84		4.04	544.94
N85.50 W113.34			

OCT 26, 1949

CHECK RAILS SETT. BASIN

BM + 9.64	℄ 539.95		530.31
E 128.58 S 101.17	535.00	4.95	535.00
111.17		4.95	535.06
121.17		4.95	535.00
131.17		4.95	535.06
143.42		4.95	535.00
E 137.58 S 101.17		4.96	534.99
111.17		4.95	535.00
121.17		4.94	535.01
131.17		4.95	535.00
143.17		4.95	535.00
E 145.58 S 101.17		4.95	535.00
111.17		4.95	535.00
121.17		4.95	535.00
131.17		4.95	535.00
143.17		4.95	535.00
E 154.58 S 101.17		4.95	535.00
111.17		4.95	535.00
121.17		4.95	535.00
131.17		4.95	535.00
143.17		4.95	535.00

CHECK RAILS & CHAIN

BM + 4.68	℄ 551.34	
E 52.58 N 2.0	541.17	
S 8.0		
S 15.17		
E 60.58 N 2.0		
S 8.0		
S 15.17		
E 69.58 N 2.0		
S 8.0		
S 15.17		
E 77.58 N 2.0		
S 8.0		
S 15.17		
E 86.58 N 2.0		
S 8.0		
S 15.17		

CHECK CHANNELS

E 53.58 N 2.0	541.17	
S 8.0		
S 15.17		

CHANNELS DIVIDING SLAB

	546.66
10.16	541.18
10.16	541.18
10.16	541.18
10.17	541.17
10.17	541.17
10.18	541.16
10.18	541.16
10.17	541.17
10.18	541.16
10.16	541.18
10.17	541.17
10.17	541.17
10.17	541.17
10.16	541.18
10.17	541.17
10.16	541.18
10.16	541.18

CHECK CHANNELS (CONT)

		T 551.34		
E59.58	N2.0	541.17	10.18	541.16
	S 8.0		10.17	541.17
	S 15.17		10.17	541.17
E70.58	N2.0		10.18	541.16
	S 8.0		10.18	541.16
	S 15.17		10.18	541.16
E76.58	N2.0		10.17	541.17
	S 8.0		10.18	541.16
	S 15.17		10.18	541.16
E87.58	N2.0		10.17	541.17
	S 8.0		10.17	541.17
	S 15.17		10.18	541.16

CHECK WALKWAY N. SIDE MIXING BASIN

BM 8.41	555.07		546.66
N66.33 E312.58	550.50	4.56	550.51
322.58		4.57	550.00
332.58		4.56	550.51
342.58		4.56	550.51
346.58		4.56	550.51
N70.33 E 312.58		4.57	550.50
322.58		4.56	550.51
332.58		4.57	550.50
342.58		4.57	550.50
346.58		4.58	550.49

IN Book 741

CHECK FOOTING SUB. GR. UNDER DIVIDING WALL BETWEEN BASINS 1 & 2.

BM +3.93	∡53894	535.01
E218.58 S56.80		7.29
O.G		6.04
S65.00		7.63
O.G.		6.22
S70.00		8.16
O.G		6.17
S75.00		8.27
O.G.		6.74
S80.00		8.58
O.G.		6.89
S85.00		
O.G.		
S90.00		
O.G.		
S95.00		
O.G.		
S100		
O.G.		

CHECK MIXING BASIN WALLS

BM +8.45	∡555.11	546.66
N37.79 E312.58	6.11	549.00
322.58	6.11	549.00
332.58	6.12	548.99
346.58	6.11	549.00
N27.68 E312.58	6.10	549.01
322.58	6.12	548.99
332.58	6.11	549.00
346.58	6.11	549.00

NOV. 2, 1949

CHECK RAILS DIVIDING SLAB

B.M. +2.31	℄546.32		544.01
E94.58 N2.0	541.17	5.14	541.18
S 8.0		5.14	541.18
S15.17		5.15	541.17
E103.58 N2.0		5.14	541.18
S 8.0		5.14	541.18
S15.17		5.13	541.19
E111.58 N2.0		5.14	541.18
S.8.0		5.13	541.19
S15.17		5.14	541.18
E120.58 N2.0		5.14	541.18
S 8.0		5.14	541.18
S15.17		5.13	541.19

CHECK CHANNELS

E 93.58 N2.0	541.17	5.15	541.17
S 8.0		5.15	541.17
S 15.17		5.15	541.17
E104.58 N2.0		5.15	541.17
S8.0		5.15	541.17
S15.17		5.14	541.18

℄546.32

E110.58 N2.0	541.17	5.14	541.18
S8.0		5.13	541.19
S15.17		5.14	541.18
E121.58 N2.0		5.16	541.16
S8.0		5.14	541.18
S15.17		5.13	541.19

CHECK SMALL WEIR WALL NOV. 3, 1949

BM +8.46	℄555.12		546.66
N7.21 E312.58	544.00	11.12	544.00
322.58		11.13	543.99
332.58		11.12	544.00
346.58		11.12	544.00

NOV. 3, 1949

CHECK RAILS SETT. BASIN.

BM + 1.91	T 539.50		537.59
	GRADE	ROD	ELEV.
E248.58 N7.21	535.00	4.51	534.99
S 2.79	"	4.51	534.99
S12.79	"	4.52	534.98
S15.17	"	4.51	534.99
E257.58 N7.21	"	4.51	534.99
S 2.79	"	4.51	534.99
S12.79	"	4.52	534.98
S15.17	"	4.50	535.00
E265.58 N7.21	"	4.49	535.01
S 2.79	"	4.50	535.00
S12.79	"	4.51	534.99
S15.17	"	4.50	535.00
E274.58 N7.21	"	4.50	535.00
S 2.79	"	4.51	534.99
S12.79	"	4.51	534.99
S15.17	"	4.50	535.00

NOV. 4, 1949

CHECK DIVIDING SLAB BEFORE STRIPPING.

BM + 2.29	T 546.30		541.01
	GRADE	ROD	ELEV
S15.17 E90.58	541.17	5.12	541.18 ← AFTER STRIPING
	G.R = 5.13		
92.58	"	5.13	541.17
94.58	"	5.13	541.17
96.58	"	5.13	541.17
98.58	"	5.13	541.17
100.58	"	5.12	541.18
102.58	"	5.12	541.18
104.58	"	5.12	541.18
106.58	"	5.11	541.19
108.58	"	5.12	541.18
110.58	"	5.12	541.18
112.58	"	5.12	541.18
114.58	"	5.13	541.17
116.58	"	5.14	541.16
118.58	"	5.13	541.17
120.58	"	5.12	541.18
122.58	"	5.11	541.19
124.58	"	5.12	541.18

(OVER)

	BEFOR STRIPPING			AFTER STRIPPING
		℄546.30		
E S 8.59	E 90.58	541.17 GR=5.13	5.13	
	92.58		5.12	
	94.58		5.12	
	96.58		5.10	
	98.58		5.11	
	100.58		5.12	
	102.58		5.12	
	104.58		5.12	
	106.58		5.12	
	108.58		5.12	
	110.58		5.12	
	112.58		5.13	
	114.58		5.13	
	116.58		5.13	
	118.58		5.13	
	120.58		5.14	
	122.58		5.14	40
	124.58		5.15	

MIXING BASIN WALLS - CHECK FORM GRADES

BM +4.67 ℄555.17 550.50

N 53.98 E 346.58	549.00	6.15	
E 356.58		6.14	
E 368.96		6.14	
N 22.68 E 346.58		6.16	
E 356.58		6.15	
E 368.96		6.15	

COLD CLEAR

DEC, 20, 1949 BAKER ℄ NOTES PAYNE, H.C CARVER, R.C

ZEOLITE: CHECK SOUTH-WEST WALL SUBGRADE

			H.I.	
B.M.		+10.92	533.60	522.68
		GRADE	ROD	ELEV
S 118.08			-17.52	516.08
S 121.08	W 12	516.18	-17.65	515.95
S 118.08			-17.50	516.10
S 121.08	W 17.2	516.18	-17.48	516.12
S 118.08			-14.94	518.66
S 121.08	W 17.2	518.68	-14.99	518.61
S 118.08			-14.80	518.80
S 121.08	W 22.2	518.68	-14.87	518.73
S 118.08			-12.58	521.02
S 121.08	W 22.2	521.18	-12.46	521.14
S 118.08			-12.59	521.01
S 121.08	W 27.1	521.18	-12.54	521.06
S 118.08			-11.07	522.53
S 121.08	W 27.1	522.50	-11.17	522.43
S 118.08				
S 121.08	W 43.33	522.50	-11.10	522.50
CK B.M			-10.92	522.68 CK

NOV. 15, 1949
Clear, WARM

BAKER T + NOTES
PAYNE, H.C
CARVER, R.C

SETTLED WATER CONDUIT : CHECK FORMS:

BM. +1.93 T 545.94

Elev BM 549.01

542.75
GR. 3.19

S 4.00 W. BASIN WALL N 4.00 E 48.25		3.19	
		3.19	
E 53.25		3.19	
		3.19	
E 58.25		3.19	
		3.19	
E 63.25		3.19	
		3.19	
E 68.25		3.19	
		3.19	
E 73.25		3.19	
		3.19	
E 78.25		3.19	
		3.19	
E 83.25		3.19	
		3.19	
JOINT E 90.58		3.19	
		3.19	

Elev. Bottom Floor of conduit

GR. 4.02

W. BASIN WALL N 4.00 E 48.25		4.02	541.92
E 53.25		4.01	541.93
E 58.25		4.01	541.93
E 63.25		3.99	541.95
E 68.25		3.99	541.95
E 73.25		4.01	541.93
E 78.25		4.02	541.92
E 83.25		4.01	541.93

NOV. 15, 1949, AM.
Clear, warm.

T 545.94
541.96
GR. 4.02

JOINT N 400 E 90.58		4.01	541.93
W. BASIN WALL EW. AXIS E 48.25		4.02	541.92
E 53.25		4.01	541.92
E 58.25		4.02	541.93
E 63.25		4.02	541.92
E 68.25		4.02	541.92
E 73.25		4.02	541.92
E 78.25		4.00	541.94
E 83.25		4.01	541.93
E 90.25		4.02	541.92
W. BASIN WALL S 4.00 E 48.25		4.02	541.92
E 53.25		4.02	541.92
E 58.25		4.02	541.92
E 63.25		4.02	541.92
E 68.25		4.02	541.92
E 73.25		4.02	541.92
E 78.25		4.00	541.94
E 83.25		4.01	541.93
JOINT E 90.25		4.02	541.92

Clear
35 warm

Nov. 16th 1949 Baker Payne Carver

SETTLING BASIN: DIVISION DK.
CHECK FORMS, RAILS & BOLTS FOR ELEV.

			H.I.	
B.M.	+1.98	GRADE	545.99 ROD	544.01 ELEV.
E127.58	N2.0	541.17		
"	S3.0	541.17		
"	S8.0	541.17		
"	S15.17	541.17		
C BAR				
E128.58	N2.0	541.17		
"	S3.0	541.17		
"	S8.0	541.17		
"	S15.17	541.17		
C BAR				

BAKER
PAYNE
CARVER

3C

CHECK RODS SETT. BASIN Nov. 14, 1949

BM	+1.94	539.53		537.59
E218.58	S15.17	535.00	1.52	535.01
	S25.17		1.52	535.01
	35.17		1.51	535.02
	45.17		1.52	535.01
	50.17		1.52	535.01
	58.17		1.50	535.03
E257.58	S15.17	535.00	1.52	535.01
	25.17		1.54	534.99
	35.17		1.53	535.00
	45.17		1.53	535.00
	58.17		1.19	535.04
E265.58	S15.17	535.00	1.55	534.98
	25.17		1.51	534.99
	35.17		1.52	535.01
	45.17		1.52	535.01
	58.17		1.19	535.04
E274.58	S15.17	535.00	1.52	535.01
	25.17		1.53	535.00

	℄ 539.53		
E 271.58 S 35.17		1.54	534.99
45.17		1.53	535.00
58.17		1.51	535.02
CHECK WALK-WAY CENTER WALL NOV. 14			
BM +8.50	℄ 555.16		546.66
	550.50		
E 216.58 S 15.17		4.66	550.50
25.17		4.65	550.51
35.17		4.67	550.49
45.17		4.65	550.51
58.17		4.65	550.51
E 220.58 S 15.17	550.50	4.67	550.49
25.17		4.68	550.48
35.17		4.67	550.49
45.17		4.67	550.49
58.7		4.67	550.49

CHECK RAILS ON DIVIDING SILL SETT. BASIN

BM +1.98	℄ 545.99		544.01
E 162.58 N 4.00	541.17	4.82	541.17
N 0.00		4.81	541.18
S 10		4.82	541.17
S 15.17		4.82	541.17
E 171.58. N 4.00	541.17	4.81	541.18
N 0.00		4.81	541.18
S 10		4.81	541.18
S 15.17		4.82	541.17
E 179.58. N 4.00	541.17	4.81	541.18
N 0.00		4.82	541.17
S 10		4.81	541.18
S 15.17		4.82	541.17
E 188.58. N 4.00	541.17	4.81	541.18
N 0.00		4.80	541.19
S 10		4.81	541.18
S 15.17		4.81	541.18

⊔ BAR CHECKED WITH RAILS OK

LEONARD BAKER PAYNE CARVER NOV 29, 1949

CHECK BASE OF DRY WELL

N12.03 E297.42		3.12	539.82
E310.75		3.10	539.84
N17.70 E297.42		3.13	539.81
E310.75		3.10	539.84
FLOOR	#1		
N12.03 E297.42		3.91	539.03
E310.75		3.89	539.05
N17.70 E297.42		3.92	539.02
E310.75		3.91	539.03
BM +535	↑ 542.94		537.59

LEONARD BAKER PAYNE CARVER NOV 18, 1949

CHECK WALK WAY N. SIDE MIXING BASINS.

BM +8.23	554.89 ↑		546.66
N66.33 E346.58	550.50	4.40	550.49
356.58		4.39	550.50
366.58		4.34	550.55
376.58		4.40	550.49
386.58		4.40	550.49
390.08		4.39	550.50
N70.33 E346.58	550.50	4.39	550.50
356.58		4.39	550.50
366.58		4.40	550.49
376.58		4.40	550.49
386.58		4.40	550.49
390.08		4.39	550.50

LEONARD BAKER PAYNE CARVER NOV 25, 1949

CHECK RAW WATER CONDT.

BM +3.52	550.18		546.66
Top N90. E74.00	546.00	4.17	546.01
84.00		4.18	546.00
94.00		4.19	545.99
104.00		4.18	546.00
114.00		4.17	546.01
124.00		4.17	546.01
134.00.		4.17	546.01
144.41		4.18	546.00
BOTT. OF FLOOR.	545.50		
N85.50 E74.00			
84.00		4.68	545.50
94.00		4.69	545.99
101.00		4.67	545.51
114.00		4.67	545.51
124.00		4.67	545.51
134.00		4.68	545.50
144.41		4.68	545.50

LEONARD BAKER PAYNE CARVER NOV. 28, 1949

CHECK FLOOR SLAB, LUNCH & BOILER ROOM

BM +0.77	542.54		541.77
N25 E27.00	538.00	4.54	538.00
E36.00		4.54	538.00
E46.00		4.54	538.00
SUB Grade ok	537.58	4.96	537.58

STAIRS WEST SIDE SET. CONT. HOUSE.

BM +6.05	535.36		530.31
SUB Grade		5.99	529.37

LEONARD
BAKER
PAYNE
CARVER

NOV. 29. 1949

CHECK WALL MIXING BASIN

N37.79 E346.68	549.00	6.02	548.99	
E356.68		6.02	548.99	
366.68		6.02	548.99	
376.58		6.02	548.99	
386.58		6.02	548.99	
389.08		6.02	548.99	
BM +8.35	T 555.01		546.66	

HI

CHECK EAST WALK-WAY MIXING BASIN

BM +8.35	T 555.01		546.66	
E387.58 N29.81	550.50	4.51	550.50	
39.81		4.50	550.51	
49.81		4.51	550.50	
59.81		4.51	550.50	
61.81		4.51	550.50	
E391.58 N29.81		4.54	550.47	
39.81		4.51	550.50	
49.81		4.50	550.51	
59.81		4.50	550.51	
61.81		4.52	550.49	

CHECK TOP OF CONDUIT SET. WATER

BM+4.67	T 555.15		550.48	
51.83 E47.08	550.50	4.65	550.50	
E57.08		4.65	550.50	
67.08		4.65	550.50	
77.08		4.65	550.50	
87.08		4.65	550.50	6.00
90.58		4.65	550.50	
N1.83 E47.08		4.66	550.49	
57.08		4.65	550.50	
67.08		4.65	550.50	
77.08		4.64	550.51	
87.08		4.65	550.50	
90.58		4.66	550.49	

CHECKED FLOOR

ELEV. 549.33 GR=5.82 OK

Leonard
Baker
Payne
Carver

NOV. 30, 1949

CHECKed Troughs & STEEL WAYS TO CONDUIT.

BM + 4.61	T 555.09		550.48
E 65.08 S 4.83	548.25	6.83	548.26
S 15.17		6.85	548.24
E 82.08 S 4.83		6.84	548.25
S 15.17		6.84	548.25
Tops of STEEL WAYS.			
E 64.58 S 4.83	548.54	6.56	548.53
S 15.17		6.56	548.53
E 65.58 S 4.83		6.56	548.53
S 15.17		6.56	548.53
E 81.58 S 4.83	548.54	6.56	548.53
S 15.17		6.56	548.53
E 82.58 S 4.83		6.56	548.53
S 15.17		6.56	548.53

Leonard
Baker
Payne
Carver

DEC 5, 1949

ZEOLITE -

BM + 5.36	T 528.26		522.90
W 2.00 S 29.58	524.17 GR 4.09	4.08	524.18
S 39.58		4.10	524.16
49.58		4.10	524.16
59.58		4.10	524.16
69.58		4.10	524.16
74 58		4.10	524.16
B 71.58 W 2.00	524.17	4.10	524.16
W 12.00		4.10	524.16
22.00		4.10	524.16
32.00		4.10	524.16
47.00		4.10	524.16
W 47. S 71.58	524.17	4.10	524.16
64.00		4.10	524.16
54.00		4.09	524.17
44.00		4.09	524.17
34.00		4.09	524.17
29.58		4.08	524.18

LEONARD BAKER PAYNE CONVEY DEC. 5 1949

CHECK WALKWAY BETWEEN BASINS

E220.58 S154.17	550.47 GR 1.41	1.41	550.47
S143.42	HI	4.42	550.46
E216.58 S154.17		1.41	550.47
S143.42		1.41	550.47
BM +4.38	554.88 GR=4.41		550.50

CHECK DEPTH OF FOOTING E. WALL W. WALL BASINS

BM +1.84	T539.43		537.59
S98.00 FOOT. GR.		9.05	530.38
O.G		7.27	531.16
S103. FOOT GR		9.24	530.19
O.G.		7.17	531.96
S108 FOOT GR		9.38	530.05
O.G		7.70	531.73
S113 FOOT GR		9.76	529.67
OG		8.12	531.31
S118 FOOT GR		10.09	529.34
OG		8.79	530.64

S123. FOOT GR.	10.34	529.09
OG	8.98	530.45
S128 FOOT. GR	10.65	528.78
OG	9.29	530.14
S133 FOOT GR	10.84	528.59
OG	9.06	530.37
138 FOOT GR.	11.27	528.16
OG	8.75	530.68
S142 FOOT GR	11.38	528.05
OG.		

CHECK FLOOR ZEOLITE INFLUENT CONDUIT

BM + 10.60	℄533.50		522.90	
W250	529.50	528.25	5.25	528.25
	39.50		5.24	524.26
	49.50		5.24	524.26
	59.50		5.25	528.25
	69.50		525	528.25
	74.58		524	528.26
E250	529.50	528.25	5.23	528.27
	39.50		5.22	528.28
	49.50		5.23	528.27
	59.50		524	528.26
	69.50		5.24	528.26
	74.50		5.23	528.27

Leonard
Bakke
Coerver

Dec. 6, 1919 50

Check. Elev. on top of 3" Drain line

B.M. + 1.97	534.05		532.08
N13 E41		0.50	533.58
E31		0.69	533.36
E21		0.77	533.28
E11		0.91	533.14
E1		1.09	532.96
W9		1.17	532.88
W12.70		1.13	532.92
CK. B.M.	+1.19		534.05

CLEAR
51 COOL

DEC. 6, 1949

BAKER, NOTES
CARVER, T
PAYNE, ROD

OPERATING FLOOR PLAN EL. 550.00

HEADHOUSE: ELEVS. BOT. OF BEAMS (FORMS)

			H.I. 555.02	
B.M.		+4.54		550.48
BEAM NUMBER		GRADE	ROD	ELEV.
# 164	N. END	548.42	-6.60	548.42
"	S. END	"	-6.60	548.42
# 163	W. END	548.58	-6.46	548.56
"	E. END	"	-6.44	548.58
# 162	N. END	548.00	-7.01	548.01
"	S. END	"	-7.01	548.01
# 109	W. END	548.17	-6.85	548.17
"	E. END	"	-6.85	548.17
# 105	W. END	548.17	-6.86	548.16
"	E. END	"	-6.86	548.16
# 106	W. END	548.42	-6.60	548.42
"	E. END	"	-6.60	548.42
# 110	W. END	548.58	-6.44	548.58
"	E. END	"	-6.44	548.58
# 111	W. END	548.58	-6.42	548.60
"	E. END	"	-6.44	548.58

(cont'd)

OPERATING FLOOR PLAN EL. 550.00

BEAMS (Cont'd)

			H.I. 555.02	
BEAM NUMBER		GRADE	ROD	ELEV.
# 107	W. END	548.42	-6.59	548.43
"	E. END	"	-6.60	548.42
# 108	W. END	548.42	-6.59	548.43
"	E. END	"	-6.60	548.42
# 161	N. END	547.59	-7.45	547.57
"	S. END	"	-7.43	547.59
# 156	N. END	548.00	-7.02	548.00
	S. END	"	-7.02	548.00
# 160	N. END	548.42	-6.61	548.41
	S. END	"	-6.61	548.41
# 126	N 65 W. END	548.58	-6.44	548.58
"	E. END	"	-6.44	548.58
# 126	N 58.33 W. END	"	-6.44	548.58
"	E. END	"	-6.44	548.58
# 126	N 51.67 W. END	"	-6.41	548.61
	E. END	"	-6.45	548.57
# 126	N 45.00 W. END	"	-6.43	548.59
	E. END	"	-6.44	548.58

(cont'd)

OPERATING FLOOR PLAN 550.00

BEAMS (cont'd)

H.I. = 555.02

BEAM NUMBER		GRADE	ROD	ELEV.
# 126	N 38.33 W. END	548.58	-6.44	548.58
"	E. END	"	-6.43	548.59
# 126	N 31.67 W. END	"	-6.45	548.57
"	E. END	"	-6.46	548.56
# 126	N 25 W. END	"	-6.46	548.56
	E. END	"	-6.47	548.55
# 114	N 78.33 W. END	548.00	-7.01	548.01
"	E. END	"	-7.02	548.00
# 114	N 71.67 W. END	"	-7.01	548.01
"	E. END	"	-7.00	548.02
# 120	N. 65 W. END	"	-7.02	548.00
"	E. END	"	-7.01	548.01
# 120	N 58.33 W. END	"	-7.01	548.01
"	E. END	"	-7.03	547.99
# 120	N 51.67 W. END	"	-7.01	548.01
"	E. END	"	-7.02	548.00
# 120	N 38.33 W. END.	"	-7.03	547.99
	E. END	"	-7.04	547.98

(cont'd)

OPERATING FLOOR PLAN 550.00

BEAMS (CON'T)

H.I. = 555.02

BEAM NUMBER		GRADE	ROD	ELEV.
# 100	N 31.67 W. END	548.00	-7.03	547.99
"	E. END	"	-7.01	548.01
# 115	N 78.33 W. END	"	-7.02	548.00
"	E. END	"	-7.01	548.01
# 115	N 71.67 W. END	"	-7.02	548.00
"	E. END	"	-7.03	547.99
# 121	N 65 W. END	"	-7.02	548.00
"	E. END	"	-7.03	547.99
# 121	N 58.33 W. END	"	-7.03	547.99
"	E. END	"	-7.02	548.00
# 121	N 51.67 W. END	"	-7.03	547.99
"	E. END	"	-7.02	548.00
# 121	N 38.33 W. END	"	-7.04	547.98
"	E. END	"	-7.04	547.98
# 121	N 31.67 W. END	"	-7.03	547.99
"	E. END	"	-7.03	547.99
# 116	N 78.33 W. END	"	-7.02	548.00
"	E. END	"	-7.02	548.00

(Cont'd)

OPERATING FLOOR PLAN 550.00

BEAMS (Cont'd)

H.I. = 555.02

BEAM	NUMBER	GRADE	ROD	ELEV.
℄ 116	N. 71.67 W. END	548.00	-7.02	548.00
"	E. END	"	-7.01	548.01
℄ 122	N 65.00 W. END	"	-7.02	548.00
"	E. END	"	-7.02	548.00
℄ 122	N 58.33 W. END	"	-7.02	548.00
"	E. END	"	-7.02	548.00
℄ 122	N 51.67 W. END	"	-7.02	548.00
"	E. END	"	-7.02	548.00
℄ 122	N 38.33 W. END	"	-7.03	547.99
"	E. END	"	-7.04	547.98
℄ 122	N 31.67 W. END	"	-7.03	547.99
"	E. END	"	-7.04	547.98
℄ 117	N 78.33 W. END	"	-7.02	548.00
"	E. END	"	-7.03	547.99
℄ 117	N 71.67 W. END	"	-7.02	548.00
	E. END	"	-7.02	548.00
℄ 123	N 65.00 W. END	"	-7.04	547.98
	E. END	"	-7.03	547.99

OPERATING FLOOR PLAN 550.00

BEAMS (Cont'd)

H.I. 555.02

BEAM	NUMBER	GRADE	ROD	ELEV.
℄ 123	N 58.33 W END	548.00	-7.03	547.99
"	E. END	"	-7.03	547.99
℄ 123	N 51.67 W. END	"	-7.02	548.00
"	E. END	"	-7.02	548.00
℄ 123	N 38.33 W. END	"	-7.04	547.98
"	E. END	"	-7.04	547.98
℄ 123	N 31.67 W END	"	-7.04	547.98
"	E. END	"	-7.03	547.99
℄ 170	W 36.55 N. END	547.58	-7.45	547.57
"	S. END	"	-7.45	547.57
℄ 169	W. 36.55 N. END	"	-7.45	547.57
"	S. END	"	-7.45	547.57
℄ 168	W 36.55 N. END	"	-7.45	547.57
"	S. END	"	-7.45	547.57
℄ 167	W. 36.55 W. END	"	-7.46	547.56
"	S. END	"	-7.46	547.56
℄ 166	W 36.55 N. END	"	-7.45	547.57
	S. END	"	-7.45	547.57

OPERATING FLOOR PLAN 550.00 ELEV.

BEAMS (Cont'd)

H.I. 555.02

#	BEAM NUMBER	GRADE	ROD	ELEV.
165	W 36.55 N. END	547.58	-7.46	547.56
"	S. END	"	-7.46	547.56
# 170	N 16.75 N. END	547.58	-7.44	547.58
"	S. END	"	-7.44	547.58
# 169	W 16.75 N. END	"	-7.45	547.57
"	S. END	"	-7.45	547.57
# 168	W 16.75 N. END	"	-7.45	547.57
"	S. END	"	-7.45	547.57
# 167	W 16.75 N. END	"	-7.42	547.60
"	S. END	"	-7.42	547.60
# 166	W 16.75 N. END	"	-7.45	547.57
"	S. END	"	-7.45	547.57
# 165	W 16.75 N. END	"	-7.45	547.57
"	S. END	"	-7.45	547.57
# 112	N 84.67 W END	548.42	-6.62	548.40
"	E. END	"	-6.60	548.42
# 118	N 78.33 W. END	"	-6.62	548.40
"	E. END	"	-6.61	548.41

OPERATING FLOOR PLAN 555.00 ELEV.

BEAMS (Cont'd)

H.I = 555.02

#	BEAM NUMBER	GRADE	ROD	ELEV.
118	N 71.67 W END	548.42	-6.61	548.41
"	E END	"	-6.59	548.43
# 124	N 65.0 W END	"	-6.61	548.41
"	E END	"	-6.61	548.41
# 124	N 58.33 W. END	"	-6.61	548.41
"	E. END	"	-6.61	548.41
# 124	N 51.67 W END	"	-6.61	548.41
"	E END	"	-6.61	548.41
# 127	N 45.00 W END	"	-6.61	548.41
"	E END	"	-6.59	548.43
# 113	W. END.	548.58	-6.44	548.58
"	E. END.	"	-6.43	548.59
# 119	W. END	"	-6.44	548.58
"	E. END	"	-6.43	548.59
# 119	W. END	"	-6.44	548.58
"	E. END	"	6.43	548.59
# 125	W. END	"	6.43	548.59
"	E. END	"	6.42	548.60

(Cont'd)

OPERATING FLOOR PLAN 550.00 ELEV

BEAMS (Con't)

H.I. = 555.02

BEAM NUMBER	GRADE	ROD	ELEV.
# 125 W. END	548.58	-6.41	548.61
" E. END	"	-6.42	548.60
# 125 W. END	"	-6.42	548.60
" E. END	"	-6.42	548.60
# 125 W. END	"	-6.42	548.60
" E. END	"	-6.40	548.62
# CHECK B.M.		-4.54	550.48 OK.
DEC. 9, 1949		BAKER PAYNE CARVER	
# B.M	+4.59	H.I. 555.07	550.48
# 132 N19		-6.48	548.61
" "		-6.49	548.60
# 131 "		-6.50	548.59
" "		-6.50	548.59
# 130 "		-6.65	548.42
" "		-6.66	548.41
# 129 "		-6.54	548.53
" "		-6.54	548.53
# 128 "		-6.54	548.53

OPERATING FLOOR PLAN ELEV. 550

HEADHOUSE BEAMS (Con't)

H.I. 555.07

# BEAM NUMBER	GRADE	ROD	ELEV.
128 N 19		-6.54	548.53
# 128 N 15		-6.54	548.53
# " "		-6.53	548.54
# 129 "		-6.52	548.55
" "		-6.52	548.55
# 130-A "		-6.66	548.41
"		-6.66	548.41
# 132 N11		-6.49	548.58
" "		-6.49	548.58
# 131 "		-6.49	548.58
" "		-6.49	548.58
# 130 "		-6.64	548.43
" "		-6.65	548.42
# 129 "		-6.50	548.57
" "		-6.52	548.55
# 128 "		-6.54	548.53
" "		-6.54	548.53
#			

OPERATING FLOOR PLAN. ELEV. 550.00

HEADHOUSE BEAMS (Cont'd)

H.I. 555.07

BEAM NUMBER		GRADE	ROD	ELEV.
#151	W 2.7		-6.86	548.21
"	"		-6.85	548.22
#151	W 7.0		-6.86	548.21
"	"		-6.87	548.20
#152	E 7.0		-7.06	548.01
"	"		-7.07	548.00
#157	E 17.0		-7.04	548.03
"	"		-7.06	548.01
#133	E 38.75		-6.48	548.59
"	"		-6.48	548.59
#133	E 33.91		-6.48	548.59
"	"		-6.49	548.58
#133	E 18.42		-6.48	548.59
"	"		-6.47	548.60
#133	E 13.58		-6.48	548.59
"	"		-6.48	548.59
#133	E 2.42		-6.66	548.41
"	"		-6.66	548.41

OPERATING FLOOR PLAN E 550.00

HEADHOUSE BEAMS (Cont'd)

H.I. = 555.07

BEAM NUMBER		GRADE	ROD	ELEV
#133	W 2.42		-6.66	548.41
"	"		-6.65	548.42
#133	W 17.00		-6.53	548.54
"	"		-6.53	548.54
#133	W 37.00		-6.52	548.55
"	"		-6.51	548.56
CK. B.M.			-4.59	548.48 ok.
		DEC. 20, 1949		
B.M.	44.32	H.I. = 554.82		550.50
BEAM NUMBER		GRADE	ROD	ELEV.
#133	E 38.75	548.59	-6.21	548.61
"	"	"	-6.22	548.60
#133	E 33.91	"	-6.23	548.59
"	"	"	-6.22	548.60
#133	W 15.42	"	-6.25	548.57
"	"	"	-6.22	548.60
#133	S 10.05 W 8	548.42	-6.42	548.40
"	W 11	"	-6.40	548.42
#133	S 10.05 E 8	"	-6.42	548.40
"	E 11	"	-6.41	548.41

OPERATING FLOOR PLAN-EL. 550.0

HEADHOUSE BEAMS (Cont'd)

H.I = 554.82

BEAM NUMBER		GRADE	ROD	ELEV.
# 133	S14.88 W 8.00	548.42	-6.38	548.44
"	W 11.00	"	-6.41	548.41
# 133	S14.88 E 8.00	"	-6.46	548.42
	E 11.00	"	-6.38	548.44
# 134	S 10.88 W 27	548.58	-6.23	548.59
"	W 46	"	-6.24	548.58
# 134	S16.75 W 27	"	-6.23	548.59
"	W 46	"	-6.22	548.60
# 134	S22.62 W 27	"	-6.24	548.58
"	W 46	"	-6.25	548.57
# 136	S10.88 W 12	"	-6.24	548.58
"	W 27	"	-6.23	548.59
# 135	S16.75 W 12	"	-6.23	548.59
	W 27	"	-6.24	548.58
# 135	S22.62 W 12	"	-6.23	548.59
	W 27	"	-6.24	548.58
# 138	E 24.67 S 5	548.75	-6.07	
"	S 14.62	"	-6.06	

OPERATING FLOOR PLAN-EL 550.0

HEADHOUSE BEAMS (Cont'd)

H.I = 554.82

BEAM NUMBER		GRADE	ROD	ELEV.
# 138	E38.33 S 5	548.75	-6.07	548.75
"	S14.62	"	-6.06	548.76
# 137	S9.89 E 30.50	548.58	-6.24	548.58
"	E 47.00	"	-6.24	548.58
# 140	S14.62 E 20	548.25	-6.57	548.25
"	E 30.5	"	-6.56	548.26
# 141	S14.62 E 30.5	"	-6.56	548.26
	E 47.00	"	-6.58	548.24
# 142	S21.56 E 12.00	548.58	-6.23	548.59
"	E 30.5	"	-6.24	548.58
# S21.56	E 30.5	"	-6.26	548.56
143	E 47.00	"	-6.25	548.57
# E30.5	S 5	547.92	-6.91	547.91
144	S 28.5	"	-6.91	547.91
# E11.5	S 5	548.42	-6.41	548.41
149	S 28.5	"	-6.40	548.42
# W11	S 5	"	-6.42	548.40
149	S 28.5	"	-6.43	548.39
# 148	S22.62 W 3.5	548.58	-6.25	548.57
	E 3.5	548.58	-6.26	548.56
# S29.00	W 11	548.17	-6.66	548.16
150	E 11	548.17	-6.65	548.17
# W27	S 5	547.96	-6.88	547.94
146	S 29	547.96	-6.87	547.95
# E20	S #	548.58	-6.24	548.58
139	S 14.62	548.58	-6.24	548.58
CK B.M.			-4.32	550.50 CK

Dec. 6, 1949 Leonard Baker, Notes Carver, T

WASH WATER PUMP PIT

CHECK FORM GRADES OF SLAB -

				H.I.	
B.M.		-0.77		535.40	536.17
		GRADE		ROD	ELEV.
N12	W 15	531.08		-4.32	531.08
"	W20	"		-4.31	531.09
"	W25	"		-4.32	531.08
"	W30	"		-4.33	531.07
"	W36	"		-4.32	531.08
N27	W 15	531.16		-4.24	531.16
	W20	"		-4.24	531.16
	W25	"		-4.24	531.16
	W30	"		-4.24	531.16
	W36	"		-4.24	531.16
W15	N15	531.08		-4.32	531.08
	N21	531.12		-4.28	531.12
	N27	531.16		-4.24	531.16
W36	N15	531.33		-4.07	531.33
	N21	531.33		-4.07	531.33
	N27	531.33		-4.07	531.33

Baker-T & Notes Payne, H.C. Carver, R.C.

Clear 0001

Dec. 7, 1949

Settling Basin: Settled Water Conduit

			H.I.	
B.M.		+ 2.44	546.42	543.98
		GRADE	ROD	ELEV.
N3.83	E158.58	542.75	-3.67	542.75
"	E168.58	"	-3.67	542.75
"	E178.58	"	-3.67	542.75
"	E188.58	"	-3.67	542.75
"	E192.58	"	-3.67	542.75
S3.83	E158.58	"	-3.67	542.75
"	E168.58	"	-3.67	542.75
"	E178.58	"	-3.67	542.75
"	E188.58	"	-3.67	542.75
"	E192.58	"	-3.67	542.75
N3.83	E158.58	541.92	-4.50	541.92
"	E168.58	"	-4.50	541.92
"	E178.58	"	-4.50	541.92
"	E188.58	"	-4.50	541.92
"	E192.58	"	-4.50	541.92
N0	E158.58	"	-4.50	541.92
"	E168.58	"	-4.50	541.92
"	E178.58	"	-4.50	541.92

SETTLING BASIN

SETTLED WATER CONDUIT (Cont'd)

	H.I. GRADE	ROD	ELEV.
N-0 E 188.58	541.92	-4.51	541.92
" E 192.58	"	-4.50	541.92
S3.83 E158.58	"	-4.50	541.92
" E168.58	"	-4.51	541.92
" E178.58	"	-4.50	541.92
" E188.58	"	-4.50	541.92
" E192.58	"	-4.50	541.92
CK. B.M.		-2.44	543.98 CK

Dec. 7, 1949

SETTLED WATER CONDUIT - GRADES

	+4.65 GRADE	H.I 555.13 ROD	ELEV.
B.M.			550.48
N4.83 E90.58	550.50	-4.63	550.50
" E100.58	"	-4.63	550.50
" E110.58	"	-4.63	550.50
" E120.58	"	-4.62	550.51
" E124.58	"	-4.62	550.51
S4.83 E90.58		-4.63	550.50
" E100.58		-4.63	550.50

SETTLING BASIN (Cont'd)

SETTLED WATER CONDUIT - GRADES

H.I = 555.13

	GRADE	ROD	ELEV.
S4.83 E110.58	550.50	-4.62	550.51
" E120.58	"	-4.62	550.51
" E124.58	"	-4.62	550.51
N3.83 E 90.58	550.00	4.64	549.99
" E100.58	"	-4.63	550.00
" E110.58	"	-4.63	550.00
" E120.58	"	-4.63	550.00
" E124.58	"	-4.63	550.00
S3.83 E 90.58	"	-4.62	550.01
" E100.58	"	-4.63	550.00
" E110.58	"	-4.63	550.00
" E120.58	"	-4.63	550.00
" E124.58	"	-4.63	550.00
N3.83 E90.58	549.33	-5.80	549.33
" 100.58	"	-5.81	549.32
" 110.58	"	-5.81	549.32
" 120.58	"	-5.79	549.34
" 124.58	"	-5.78	549.35

SETTLING BASIN

SETTLED WATER CONDUIT (Con't)

H.I. = 555.13

		GRADE	ROD	ELEV.
N 0 -	E 90.58	549.33	-5.80	549.33
"	E 100.58	"	-5.81	549.32
"	E 110.58	"	-5.80	549.33
"	E 120.58	"	-5.81	549.32
"	E 124.58	"	-5.79	549.34
S 383	E 90.58	"	-5.81	549.32
	E 100.58	"	-5.80	549.33
	E 110.58	"	-5.80	549.33
	E 120.58	"	-5.81	549.32
	E 124.58	"	-5.80	549.33
E 97.64	N 1.19	550.00	-4.63	550.00
"	S 1.19	"	-4.63	550.00
E 100.52	N 1.19	"	-4.63	550.00
"	S 1.19	"	-4.63	550.00

COLLECTION TROUGHS - CHECK FORMS

H.I. 555.13

		GRADE	ROD	ELEV.
E 62.08	S 15.17	548.25	-6.88	548.25
"	S 25.17	"	-6.88	548.25
"	S 35.17	"	-6.87	548.26

SETTLING BASIN

COLLETION TROUGHS: (Con't)

H.I. 555.13

		GRADE	ROD	ELEV.
E 62.08	S 45.17	548.25	-6.87	548.26
"	S 55.17	"	-6.88	548.25
"	S 58.17	"	-6.88	548.25
E 64.08	S 15.17	"	-6.88	548.25
"	25.17	"	-6.88	548.25
"	35.17	"	-6.87	548.26
"	45.17	"	-6.87	548.26
"	55.17	"	-6.88	548.25
"	58.17	"	-6.88	548.25

SET NOTCHED WEIR .02 LOWER THAN GIVEN ELEV. FOR VERTICAL PLACEMENT LATER DATE.

		GRADE	ROD	ELEV.
E 61.83	S 15.17	548.54	-6.61	548.52
"	S 25.17	"	-6.61	548.52
"	S 35.17	"	-6.61	548.52
"	S 45.17	"	-6.61	548.52
"	S 55.17	"	-6.61	548.62
"	S 58.17	"	-6.61	548.52

SETTLING BASIN

NOTCHED WEIR - GRADES (Cont'd)

H.I. 555.13

			GRADE	ROD	ELEV.
E 64.33	S 15.17		548.54	-6.61	548.52
"	S 25.17		"	-6.61	548.52
"	S 35.17		"	-6.61	548.52
"	S 45.17		"	-6.61	548.52
"	S 55.17		"	-6.61	548.52
"	S 58.17		"	-6.61	548.52

COLLECTION TROUGHS - ELEV OF FORMS

E 79.08	S 15.17	548.25	-6.88	548.25
"	S 25.17	"	-6.87	548.26
"	S 35.17	"	-6.88	548.25
"	S 45.17	"	-6.89	548.24
"	S 55.17	"	-6.89	548.24
"	S 58.17	"	-6.88	548.25
E 81.08	S 15.17	"	-6.88	548.25
"	S 25.17	"	-6.87	548.26
"	S 35.17	"	-6.88	548.25
"	S 45.17	"	-6.89	548.24
"	S 55.17	"	-6.89	548.24

SETTLING BASIN

COLLECTION TROUGHS (Cont'd)

H.I. = 555.13

			GRADE	ROD	ELEV.
E 81.08	S 58.17		548.25	-6.88	548.25

NOTCHED WEIR - SET .02 LOWER THAN GRADE

			GRADE	ROD	ELEV.
E 78.83	S 15.17		548.54	-6.61	548.52
"	S 25.17		"	-6.61	548.52
"	S 35.17		"	-6.61	548.52
"	S 45.17		"	-6.61	548.52
"	S 55.17		"	-6.61	548.52
"	S 58.17		"	-6.61	548.52
E 81.33	S 15.17		"	-6.61	548.52
"	S 25.17		"	-6.61	548.52
"	S 35.17		"	-6.61	548.52
"	S 45.17		"	-6.61	548.52
"	S 55.17		"	-6.61	548.52
"	S 58.17		"	-6.61	548.52
E 95.83	S 4.88		548.54	-6.61	548.52
"	S 9.88		"	-6.61	548.52
"	S 13.88		"	-6.61	548.52

SETTLING BASIN
NOTCHED WEIR (cont)

		H.I 555.13 GRADE	ROD	ELEV.
E 95.83	S 15.17	548.54	-6.61	548.52
E 98.33	S 4.88	"	-6.61	548.52
"	S 9.88	"	-6.61	548.52
"	S 13.88	"	-6.61	548.52
"	S 15.17	"	-6.61	548.52
E 112.83	S 4.88	"	-6.61	548.52
"	S 9.88	"	-6.61	548.52
"	S 13.88	"	-6.61	548.52
"	S 15.17	"	-6.61	548.52
E 115.33	S 4.88	"	-6.61	548.52
"	S 9.88	"	-6.61	548.52
"	S 13.88	"	-6.61	548.52
"	S 15.17	"	-6.61	548.52

COLLECTION TROUGHS - FIRM GRADES

E 96.08	S 4.88	548.25	-6.88	548.25
"	S 9.88	"	-6.88	548.25
"	S 13.88	"	-6.88	548.25
"	S 15.17	"	-6.88	548.25

SETTLING BASIN:
COLLECTION TROUGHS (cont'd)

H.I = 555.13

		GRADE	ROD	ELEV.
E 98.08	S 4.88	548.25	-6.88	548.25
"	S 9.88	"	-6.87	548.26
"	S 13.88	"	-6.88	548.25
"	S 15.17	"	-6.88	548.25 1100
E 113.08	S 4.88	"	-6.88	548.25
"	S 9.88	"	-6.89	548.24
"	S 13.88	"	-6.89	548.24
"	S 15.17	"	-6.88	548.25
E 115.08	S 4.88	"	-6.88	548.25
"	S 9.88	"	-6.87	548.26
"	S 13.88	"	-6.89	548.24
"	S 15.17	"	-6.88	548.25
CK. B.M			-4.65	550.48 CK

CLEAR
COOL

DEC. 9th 1949 BAKERT + NOTES
PAYNE H.C
CARVER, R.C.

FILTERS: OPERATING FLOOR - FORM GRADES

B.M. +4.33 H.I. 554.83 550.50

		GRADE	ROD	ELEV.
N11	W114.41	549.75	-5.09	549.74
"	W124.41	"	-5.11	549.72
"	W134.41	"	-5.10	549.73
"	W144.41	"	-5.11	549.72
"	W154.41	"	-5.10	549.73
"	W164.41	"	-5.09	549.74
"	W173.20	"	-5.08	549.75
S11	W114.41	"	-5.07	549.76
"	W124.41	"	-5.09	549.74
"	W134.41	"	-5.06	549.77
"	W144.41	"	-5.08	549.75
"	W154.41	"	-5.08	549.75
"	W164.41	"	-5.08	549.75
"	W173.20	"	-5.09	549.74
N11	W114.41	549.25	-5.59	549.24
"	W124.41	"	-5.60	549.23
"	W134.41	"	-5.60	549.23
"	W144.41	"	-5.60	549.23

OPERATING FLOOR - (Cont.)

H.I. = 554.83

		GRADE	ROD	ELEV.
N11	W154.41	549.25	-5.54	549.29
"	W164.41	"	-5.59	549.24
"	W173.20	"	-5.60	549.23
S11	W114.41	"	-5.58	549.25
"	W124.41	"	-5.59	549.24
"	W134.41	"	-5.60	549.23
"	W144.41	"	-5.59	549.24
"	W154.41	"	-5.58	549.25
"	W164.41	"	-5.58	549.25
"	W173.20	"	-5.58	549.25
N5	W114.41	549.08	-5.76	549.07
"	W124.41	"	-5.76	549.07
"	W134.41	"	-5.78	549.05
"	W144.41	"	-5.78	549.05
"	W154.41	"	-5.77	549.06
"	W164.41	"	-5.76	549.07
"	W173.20	"	-5.74	549.09
S5	W114.41	"	-5.76	549.07

OPERATING FLOOR (Con't)

H.I = 554.83

		GRADE	ROD	ELEV.
S5	W124.41	549.08	-5.72	549.07
"	W134.41	"	-5.75	549.08
"	W144.41	"	-5.74	549.09
"	W154.41	"	-5.73	549.10
"	W164.41	"	-5.74	549.09
"	W173.20	"	-5.75	549.08
N4	W114.41	"	-5.76	549.07
"	W124.41	"	-5.75	549.08
"	W134.41	"	-5.75	549.08
"	W144.41	"	-5.75	549.08
"	W154.41	"	-5.75	549.08
"	W164.41	"	-5.75	549.08
"	W173.20	"	-5.75	549.08
S4	W114.41	"	-5.75	549.08
"	W124.41	"	-5.75	549.08
"	W134.41	"	-5.75	549.08
"	W144.41	"	-5.74	549.09
"	W154.41	"	-5.75	549.08

OPERATING FLOOR (Con't)

H.I = 554.83

			GRADE	ROD	ELEV.
S4	W164.41		549.08	-5.75	549.08
	W173.20		"	-5.75	549.08
W119.24		N2	549.75	-5.06	549.77
"		S2	"	-5.08	549.75
W121.24		N2	"	-5.07	549.76
"		S2	"	-5.08	549.75
W135.24		N2	"	-5.08	549.75
"		S2	"	-5.09	549.74
W137.24		N2	"	-5.09	549.74
"		S2	"	-5.10	549.73
W151.24		N2	"	-5.08	549.75
"		S2	"	-5.06	549.77
W153.24		N2	"	-5.10	549.73
"		S2	"	-5.08	549.75
W167.24		N2	"	-5.08	549.75
"		S2	"	-5.10	549.73
W169.24		N2	"	-5.08	549.75
"		S2	"	-5.09	549.74
CK. B.M. ,				-4.33	= 550.50 CK

79 CLEAR COOL

DEC. 9, 1949

BAKER T & NOTE
PAYNE N.C
CARVER R.C

FILTERS: NORTH-HALF FILTER BASIN SUBGRADE AND FORMS

B.M. +2.15 H.I. 543.62 541.47

		GRADE	ROD	ELEV.
SHER BLOCK W 72.46	N 48.25	538.50	5.12	538.50
"	N 58.25	"	5.63	537.99
"	N 68.25	"	5.15	538.47
"	N 78.25	"	5.75	537.87
"	N 85.50	"	6.00	537.62
SHEAR BLOCK N 48.25	W 77.00	"	5.14	538.48
"	W. 80.75	538.00	-6.00	537.62
"	W 85.00	538.50	5.19	537.97
"	W 90.00	"	5.17	537.93
"	W 97.33	536.00	-7.84	535.78
"	W 114.41	538.00	5.17	538.45
"	W 131.49	536.00	-7.79	535.83
"	W 146.68	538.00	5.62	538.00
SHEAR BLOCK W 148.08	N 48.25	538.50	5.19	538.43
"	N 58.25	"	5.17	538.45
"	N 68.25	"	5.12	538.50
"	N 78.25	"	5.25	538.37
"	N 85.50	"	5.17	538.45

80

FILTERS: NORTH HALF BASIN (Cont)

H.I = 543.62

		GRADE	ROD	ELEV.
W 80.25	N 48.25	536.00	-7.80	535.82
"	N 58.25	"	-7.82	535.80
"	N 68.25	"	-7.81	535.81
"	N 78.25	"	-7.75	535.87
"	N 85.50	"	-7.84	535.78
W 81.49	N 48.25	"	-7.82	535.80
"	N 58.25	"	-7.86	535.76
"	N 68.25	"	-7.84	535.78
"	N 78.25	"	-7.74	535.88
"	N 85.50	"	-7.84	535.78
W 80.09	N 48.25	538.00	5.62	538.00
"	N 58.25	"	5.60	538.02
"	N 68.25	"	5.62	538.00
"	N 78.25	"	5.63	537.99
"	N 85.50	"	5.75	537.87
W 114.41	N 48.25	"	5.62	538.00
"	N 58.25	"	5.63	537.99
"	N 68.25	"	5.76	537.86

CLEAR
COOL

DEC. 12, 1949

BAKER, TAYNE, CARVER
NOTES

FILTER BASIN (Cont.)

H.I. = 543.62

W114.41 N 78.25	538.00	5.67	537.95
" N 85.50	"	5.77	537.85
W148.75 N 48.25	"	5.60	538.02
" N 58.25	"	5.63	537.99
" N 68.25	"	5.67	537.95
" N 78.25	"	5.65	537.97
" N 85.50	"	6.00	537.62
N 48.25 W 95.25	540.81	2.81	540.81
" W 99.41	"	2.81	540.81
" W 129.42	"	2.81	540.81
" W 133.58	"	2.81	540.81
CK. B.M.		2.15	541.47 ck.

SETTLING BASIN: DIVIDING SLAB: GRADES: OF RAILS AND CHANNEL BAR

B.M.	+2.38	546.36	543.98
RAIL	GRADE	ROD	ELEV.
E52.58 S101.17	541.17	5.18	541.18
" S111.17	"	5.19	541.17
" S121.17	"	5.19	541.17
" S131.17	"	5.19	541.17
" S143.32	"	5.19	541.17
RAIL			
E60.58 S101.17	"	5.19	541.17
" S111.17	"	5.18	541.18
" S121.17	"	5.18	541.18
" S131.17	"	5.19	541.17
" S143.32	"	5.20	541.16
RAIL			
E69.58 S101.17	"	5.20	541.16
" S111.17	"	5.19	541.17
" S121.17	"	5.19	541.17
" S131.17	"	5.19	541.17
" S143.32	"	5.19	541.17
RAIL			
E77.58 S101.17	"	5.18	541.18
S121.17	"	5.18	541.18
S131.17	"	5.19	541.17

SETTLING BASIN: (Cont'd)

H.I = 546.36

		GRADE	Rod	ELEV.
E 77.58	S 143.32	541.17	5.19	541.17
RAIL E 86.58	S 101.17	"	5.19	541.17
"	S 111.17	"	5.20	541.16
"	S 121.17	"	5.19	541.17
"	S 131.17	"	5.19	541.17
"	S 143.32	"	5.18	541.18
FORM E 90.58	S 101.17	"	5.19	541.17
"	S 111.17	"	5.19	541.17
"	S 121.17	"	5.19	541.17
"	S 131.17	"	5.19	541.17
"	S 143.32	"	5.20	541.16
CHANNEL BAR E 53.58	S 101.17	"	5.18	541.18
	S 111.17	"	5.18	541.18
	S 121.17	"	5.19	541.17
	S 131.17	"	5.20	541.16
	S 143.32	"	5.19	541.17
CHANNEL BAR E 59.58	S 101.17	"	5.20	541.16
	S 111.17	"	5.20	541.16

SETTLING BASIN (Cont'd)

H.I. 546.36

		GRADE	Rod	ELEV.
CHANNEL BAR E 59.58	S 121.17	541.17	5.19	541.17
"	S 131.17	"	5.19	541.17
"	S 143.32	"	5.19	541.17
CHANNEL BAR E 70.58	S 101.17	"	5.18	541.18
"	S 111.17	"	5.18	541.18
"	S 121.17	"	5.19	541.17
"	S 131.17	"	5.20	541.16
"	S 143.32	"	5.19	541.17
CHANNEL BAR E 76.58	S 101.17	"	5.19	541.17
"	S 111.17	"	5.19	541.17
"	S 121.17	"	5.20	541.16
"	S 131.17	"	5.20	541.16
"	S 143.32	"	5.20	541.16
E 87.58	S 101.17		5.19	541.17
"	S 111.17		5.19	541.17
"	S 121.17		5.19	541.17
"	S 131.17		5.20	541.16
"	S 143.32		5.20	541.16

C.K.B.M.

CLEAR
COOL

Dec. 12, 1949

BAKER ~~E4~~ Note 86
PAYNE H.C
CARVER, R.C

SETTLING BASIN: CHECK GRADES (Cont.)

H.I. 546.36

BEAM		GRADE	ROD	ELEV.
E 65.08	S 101.17	539.11	-7.28	539.08
"	S 101.17	"	-7.26	539.10
"	S 121.17	"	-7.28	539.08
"	S 132.85	"	-7.29	539.07
"	S 134.09	"	-7.29	539.07
"	S 143.32	539.90	-6.47	539.89
E 82.08	S 101.17	539.11	-7.27	539.09
	S 111.17	"	-7.26	539.10
	S 121.17	"	-7.28	539.08
	S 132.85	"	-7.28	539.08
	S 134.09	"	-7.26	539.10
	S 143.32	539.90	-6.47	539.89
CK B.M.		543.98	-2.38	543.98 CK

MIXING BASIN: SET BOLTS OF PADDLE SUPPORTS TO ELEV.

H.I. 551.44

B.M.		+ 4.78 GRADE	ROD	546.66 ELEV.
N 61.80	E 219.78	541.77	9.67	541.77
	E 235.21	"	9.67	541.77
	E 250.63	"	9.67	541.77
	E 266.06	"	9.67	541.77
	E 281.49	"	9.67	541.77
N 46.16	E 219.78	"	9.67	541.77
	E 235.21	"	9.67	541.77
	E 250.63	"	9.67	541.77
	E 266.06	"	9.67	541.77
	E 281.49	"	9.67	541.77

DEC. 13, 1949

BAKER
PAYNE
CARVER

HEADHOUSE COLUMN FOUNDATIONS: GRADES

BM +3.19 548.85 546.66

ALL 2'x6" SQUARE		SUB GRADE	ROD	ELEV.	CUTS
N 114	W 27	538.75	-8.91	540.94	C-2.19
"	W 7.0	536.50	-6.66	543.19	C- 6.69
"	E 7.0	538.75	-10.01	539.84	C- 1.09
"	E 27.0	538.75	-9.97	539.88	C- 1.13

COOL
CLEAR

BAKER, T + NOTES
PAYNE, H.C
CARVER, R.C

HEAD HOUSE: SETTLED WATER CONDUIT

CHECK AND SET SCRIBE FORMS TO ELEV's.

B.M. +4.63 555.11 550.48

		GRADE	ROD	ELEV.
N 4.00	E 17.00	542.75	-12.36	542.75
"	E 27.00	"	-12.36	542.75
"	E 37.00	"	-12.36	542.75
"	E 47.08	"	-12.36	542.75
S 4.00	E 17.00	"	-12.36	542.75
"	E 27.00	"	-12.36	542.75
"	E 37.00	"	-12.36	542.75
"	E 47.08	"	12.36	542.75
B.M. ON WALK		+4.33	554.83	550.50
N 4.00	W 17.00	542.75	-12.08	542.75

HEADHOUSE SETTLED WATER CONDUIT (Cont)

H.I. = 554.83

		GRADE	Rod	ELEV.
N 4	W 27.00	542.75	-12.08	542.75
"	W 37.00	"	-12.08	542.75
"	W 47.08	"	-12.08	542.75
S 4	W 17.00	"	-12.08	542.75
"	W 27	"	-12.08	542.75
"	W 37	"	-12.08	542.75
"	W 47.08	"	-12.08	542.75
CK, B.M.		550.50	-4.33	550.50 CK

89 CLEAR COOL — Dec 13, 1949 — BAKER T+NOTES PAYNE H.C. CARVER, R.C.

SETTLING BASIN: CHECK FORMS AND RAILS

			H.I. 540.03		
B.M.		+5.02	540.03	535.01	
		GRADE	ROD	ELEV.	
E128.58	S58.17	535.00	5.03	535.00	
"	S68.17	"	5.02	535.01	
"	S78.17	"	5.02	535.01	
"	S88.17	"	5.02	535.01	
"	S101.17	"	5.03	535.00	
E137.58	S58.17	"	5.02	535.01	
"	S68.17	"	5.02	535.01	
"	S78.17	"	5.03	535.00	
"	S88.17	"	5.04	534.99	
"	S101.17	"	5.03	535.00	
E145.58	S58.17	"	5.02	535.01	
	S68.17	"	5.02	535.01	
	S78.17	"	5.03	535.00	
	S88.17	"	5.02	535.01	
	S101.17	"	5.02	535.01	
E154.58	S58.17	"	5.02	535.01	
	S68.17	"	5.03	535.00	
	S78.17	"	5.02	535.01	

H.I. 540.03

		GRADE	ROD	ELEV
E154.58	S68.17	535.00	5.03	535.00
	S101.17	"	5.02	535.01
E133.08	S68.92	Sub GRADE	7.75	532.28
E150.08	S68.92	Sub GRADE	8.39	531.64

CLEAR COOL — DEC. 14, 1949 — BAKER T+NOTES PAYNE, H.C. CARVER, R.C.

MIXING BASIN: DRYWELL FORMS: CHECK GRADES

				H.I.	
B.M.		+ 4.87		542.88	538.01
E126.41	N72.08			2.14	540.74
"	N72.91			2.15	540.73
E139.75	N72.08			2.13	540.75
	N72.91			2.15	540.73
E127.08	N72.16			2.80	540.08
	N77.83			2.82	540.06
E139.08	N72.16			2.81	540.07
	N77.83			2.82	540.06
		Top of DRAIN		2.20	540.68
CK B.M.				4.87	538.01 CK.

CLEAR
COOL

DEC. 14, 1949

BAKER T+NOTES
PAYNE H.C
CARVER, R.C

HEADHOUSE: NORTH WALL CHECK FORMS

		H.I.	
B.M.	+3.55 GRADE	554.03 ROD	550.48 ELEV.
E 0.0 N109		-4.59	549.44
E 6.42 "		-4.60	549.43
E 7.58 "		-4.60	549.43
E 26.50 "		4.60	549.43
E 27.50 "		4.44	549.59
E 47.08 "		4.44	549.59
CK. B.M.		-3.55	550.48

CLEAR
COOL

DEC. 14, 1949

BAKER T+NOTES
PAYNE H.C
CARVER, R.C

SETTLING BASIN: CHECK DIVIDING WALL FORM

		H.I.	
B.M.	+4.23 GRADE	539.24 ROD	535.01 ELEV.
E 218.08 S 101.47	541.17	+1.93	541.17
" S 111.47	"	+1.93	541.17
" S 121.47	"	+1.93	541.17
" S 131.47	"	+1.93	541.17
CK BM.		-4.23	535.01
		H.I.	
B.M	+4.48 GRADE	554.98 ROD	550.50 ELEV.
E 218.08 S 101.47	549.50	5.47	549.51
S 111.47		5.47	549.51
S 121.47		5.47	549.51
S 131.47		5.51	549.47
CK. B.M.		4.48	550.50 OK

SETTLING BASIN SLAB: CHECK RAILS + FORMS

		H.I.	
B.M.	+4.48 @ GRADE	532.49	535.01
E 248.58 S 101.17	535.00	4.47	535.02
" S 111.17	"	4.47	535.02
" S 121.17	"	4.47	535.02
" S 131.17	"	4.48	535.01
" S 143.42	"	4.47	535.02

H.I = 539.49

SETTLING BASIN SLAB (cont'd)

		GRADE	ROD	ELEV.
E 257.58	S 101.17	535.00	-4.47	535.02
"	S 111.17	"	-4.48	535.01
"	S 121.17	"	-4.48	535.01
"	S 131.17	"	-4.48	535.01
"	S 143.42	"	-4.47	535.02
E 265.58	S 101.17	"	-4.47	535.02
"	S 111.17	"	-4.48	535.01
"	S 121.17	"	-4.48	535.01
"	S 131.17	"	-4.48	535.01
"	S 143.42	"	-4.47	535.02

1700

CLEAR
COOL

DEC. 13, 1949

BAKER R+ NOTES 94
PAYNE H.C
CARVER, R.C

SETTLING BASIN TROUGHS: CHECK WEIRS AND TROUGH

H.I. 555.05

		GRADE	ROD	ELEV.
B.M.		+4.57		550.48
METAL WEIR				
E 61.83	S 58.17	548.54	-6.53	548.52
"	S 70.42	"	-6.53	548.52
E 64.33	S 58.17	"	-6.53	548.52
	S 70.42	"	-6.53	548.52
TROUGH FORM				
E 62.08	S 58.17	548.25	-6.80	548.25
"	S 70.42	"	-6.79	548.26
E 64.08	S 58.17	"	-6.80	548.25
	S 70.42	"	-6.79	548.26
WEIR				
E 78.83	S 58.17	548.54	-6.53	548.52
"	S 70.42	"	-6.54	548.51
E 81.33	S 58.17	"	-6.52	548.53
"	S 70.42	"	-6.54	548.51
TROUGH				
E 79.08	S 58.17	548.25	-6.78	548.27
"	S 70.42	"	-6.80	548.25
E 81.08	S 58.17	"	-6.78	548.27
	S 70.42	"	-6.80	548.25
DEC 14, 1949				
B.M. METAL WEIR		+2.46	549.20	546.74
		GRADE		
E 49.58	S 15.17	548.54	-0.68	

SETTLING BASIN TROUGHS WEIRS Cont.

H.I = 549.20

		GRADE	ROD	ELEV.
E 49.58	S 25.17	548.54	0.67	548.53
"	35.17	"	0.68	548.52
"	45.17	"	0.68	548.52
"	55.17	"	0.67	548.53
"	58.17	"	0.69	548.51
CK. B.M.			2.46	546.74 CK

NOTE: ALL WEIRS ARE TO BE SET .02 LOWER THAN GRADE FOR VERTICAL PLACEMENT LATER DATE. R.B.

DEC. 14, 1949 BAKER, PAYNE, CARVER, H.C. R.C. NOTES 96

HEADHOUSE: SETTLED WATER CONDUIT

			GRADE	ROD	ELEV.
B.M.		+ 4.30	554.78		550.48
N 4.00	W 17.00		549.08	5.70	549.08
"	W 27.00		"	5.70	549.08
"	W 37.00		"	5.70	549.08
"	W 47.00		"	5.69	549.09
S 4.0	W 17.00		"	5.70	549.08
"	W 27.00		"	5.70	549.08
"	W 37.00		"	5.69	549.09
"	W 47.00		"	5.70	549.08
CURBS					
N 4.00	W 17.00		549.88	4.90	549.88
"	W 27.00		"	4.90	549.88
"	W 37.00		"	4.90	549.88
"	W 47.00		"	4.96	549.88
S 4.0	W 17.00		549.92	4.86	549.92
	W 27.00		"	4.86	549.92
	W 37.00		"	4.86	549.92
	W 47.00		"	4.86	549.92
CK B.M.				4.30	550.48 CK

CLEAR
COOL

DEC. 15, 1944

BAKER & NOTES
PAYNE H. C
CARVER, R.S.

SETTLING BASIN: SLAB AND RAILS FOR ELEV.

		H.I. 539.37	
B.M.	+1.78	539.37	537.59
	GRADE	ROD	ELEV.
E 316.58 S 101.17	535.00	4.37	535.00
" S 111.17	"	4.37	535.00
" S 121.17	"	4.36	535.01
" S 131.17	"	4.37	535.00
" S 143.42	"	4.37	535.00
E 325.58 S 101.17	"	4.37	535.00
" S 111.17	"	4.37	535.00
" S 121.17	"	4.37	535.00
" S 131.17	"	4.36	535.01
" S 143.42	"	4.36	535.01
E 333.58 S 101.17	"	4.37	535.00
" S 111.17	"	4.37	535.00
" S 121.17	"	4.37	535.00
" S 131.17	"	4.37	535.00
" S 143.42	"	4.37	535.00
E 342.58 S 101.17	"	4.37	535.00
S 111.17	"	4.37	535.00
S 121.17	"	4.37	535.00

SETTLING BASIN SLAB (cont'd)

H.I. = 539.37

	GRADE	ROD	ELEV.
E 342.58 S 131.17	535.00	4.36	535.01
" S 143.42	"	4.36	535.01
CK B.M.	537.59	-1.78	537.59 ok

Shots taken at Sta. 143.42 are on the Existing concrete

99 Clear Cool — Dec 15, 1949 — Baker T+ notes Payne, H.C. Carver, R.C.

Check wall at East End of Basins from N.29.80 to N.6.37

		H.I.	
BM	+4.36 Grade	555.01	550.65
		Rod	Elev.
E390.20 N29.80		E 5.50	550.51
		W 5.51	550.50
		E 5.50	550.51
" N19.80		W 5.51	550.50
		E 5.52	550.49
" N9.80		W 5.51	550.50
		E 5.53	550.48
" N4.37		W 5.52	550.49
		E 5.51	550.50
" S4.37		W 5.52	550.49
		E 5.54	550.47
" S15.37		W 5.54	550.47
Check BM.		-4.36	550.65 ok

Clear Cool — Dec 15, 1949 — Baker T+ Notes 100 Payne-H.C. Carver-R.C.

Check on weir wall between Mixing + Settling Basins from East 346.66 to East 389.08.

		H.I.	
BM	+4.36 Grade	555.01	550.65
		Rod	Elev.
N6,83E346.56	544.00	11.01	544.00
E356.56		11.01	544.00
" E366.56		11.01	544.00
" E376.56		11.01	544.00
" E389.08		11.10	544.01
Ck BM		-4.36	550.65 ok

CLEAR COOL — DEC. 20, 1949 — BAKER T+ NOTES PAYNE H.C. CARVER R.C.

ZEOLITE: SET 2 OF 4-WAY FLOAT VALVES

		H.I.	
BM	+10.92	533.60	522.68
	GRADE	ROD	ELEV.
S82.08 E 11	535.67	+2.07	535.67
S104.08 E 11	535.67	+2.07	535.67
CK. BM.		-10.92	522.68

Cloudy
Cool

DEC. 15, 1949

BAKER A.T. + NOTES
PAYNE, H.R.
CARVER, R.C.

OPERATING FLOOR PLAN – EL. 550.00

HEADHOUSE: CHECK FORMS FOR ELEV.

H.I. 554.88

B.M.		+ 4.40 GRADE	ROD	550.48 ELEV
N81.83	W42.50	549.79	-5.09	
"	W40.50	"	-5.09	
N79.83	W42.50	"	-5.09	
"	W40.50	"	-5.09	
N70.17	W42.50	"	-5.08	
"	W40.50	"	-5.09	1500
N68.17	W42.50	"	-5.09	
"	W40.50	"	-5.09	
N61.83	W42.50	"	-5.09	
"	W40.50	"	-5.09	
N59.83	W42.50	"	-5.09	
"	W40.50	"	-5.09	
N50.17	W42.50	"	-5.09	
"	W40.50	"	-5.09	
N48.17	W42.50	"	-5.09	
"	W40.50	"	-5.09	
N41.00	W42.50	"	-5.09	
"	W40.50	"	-5.09	

HEADHOUSE (CONT)

H.I. = 554.88

		GRADE	ROD	ELEV.
N39.00	W42.50	549.79	-5.09	
"	W40.50	"	-5.09	
N30.83	W42.50	"	-5.09	
"	W40.50	"	-5.09	
N28.83	W42.50	"	-5.09	
"	W40.50	"	-5.09	
N81.83	W32.77	"	-5.10	
"	W30.77	"	-5.10	
N79.83	W32.77	"	-5.09	
"	W30.77	"	-5.09	
N72.17	W32.77	"	-5.09	
"	W30.77	"	-5.09	
N68.17	W32.77	"	-5.09	
"	W30.77	"	-5.09	
N61.83	W32.77	"	-5.08	
"	W30.77	"	-5.08	
N59.83	W32.77	"	-5.08	
"	W30.77	"	-5.08	

OPERATING FLOOR PLAN - EL. 550.00

HEADHOUSE (CONT)

H.I. = 554.88

		GRADE	ROD	ELEV.
N50.17	W32.77	549.79	-5.09	
"	W30.77	"	-5.09	
N48.17	W32.77	"	-5.09	
"	W30.77	"	-5.09	
N41.00	W32.77	"	-5.10	
"	W30.77	"	-5.10	
N39.00	W32.77	"	-5.09	
"	W30.77	"	-5.09	
N30.83	W32.77	"	-5.09	
"	W30.77	"	-5.09	
N28.83	W32.77	"	-5.09	
"	W30.77	"	-5.09	
N81.83	W22.67	"	-5.10	
"	W20.67	"	-5.10	
N79.83	W22.67	"	-5.09	
"	W20.67	"	-5.09	
N70.17	W22.67	"	-5.09	
"	W20.67	"	-5.09	

OPERATIN FLOOR PLAN - EL. 550.00

HEAD HOUSE (cont)

H.I. = 554.88

		GRADE	ROD	ELEV.
N68.17	W22.67	549.79	-5.09	
"	W20.67	"	-5.09	
N6183	W22.67	"	-5.09	
"	W20.67	"	-5.09	
N59.83	W22.67	"	-5.09	
"	W20.67	"	-5.09	
N50.17	W22.67	"	-5.10	
"	W20.67	"	-5.09	
N48.17	W22.67	"	-5.10	
"	W20.67	"	-5.09	
N41.00	W22.67	"	-5.10	
"	W20.67	"	-5.09	
N39.00	W22.67	"	-5.10	
"	W20.67	"	-5.09	
N30.83	W22.67	"	-5.09	
"	W20.67	"	-5.10	
N28.83	W22.67	"	-5.09	
"	W20.67	"	-5.10	

OPERATING FLOOR PLAN - EL 550.00

HEADHOUSE (Cont'd)

H.I = 554.88

		GRADE	ROD	ELEV
N 81.83	W 12.83	549.79	-5.10	
"	W 10.83	"	-5.10	
N 79.83	W 12.83	"	-5.10	
"	W 10.83	"	-5.10	
N 70.17	W 12.83	"	-5.09	
"	W 10.83	"	-5.09	
N 68.17	W 12.83	"	-5.09	
"	W 10.83	"	-5.09	
N 61.83	W 12.83	"	-5.09	
"	W 10.83	"	-5.09	
N 59.83	W 12.83	"	-5.09	
"	W 10.83	"	-5.09	
N 50.17	W 12.83	"	-5.10	
"	W 10.83	"	-5.10	
N 48.17	W 12.83	"	-5.10	
"	W 10.83	"	-5.10	
N 41.00	W 12.83	"	-5.10	
"	W 10.83	"	-5.09	

OPERATING FLOOR PLAN EL. 550.00

HEADHOUSE (Cont'd)

H.I = 554.88

		GRADE	ROD	ELEV.
N 39.00	W 12.83	549.79	-5.10	
"	W 10.83	"	-5.09	
N 30.83	W 12.83	"	-5.10	
"	W 10.83	"	-5.10	
N 28.83	W 12.83	"	-5.10	
"	W 10.83	"	-5.10	
N 76.00	W 30.17	"	-5.09	
"	W 28.17	"	-5.09	
N 74.00	W 30.17	"	-5.09	
"	W 28.17	"	-5.09	
N 56.00	W 30.17	"	-5.09	
"	W 28.17	"	-5.09	
N 54.00	W 30.17	"	-5.09	
"	W 28.17	"	-5.09	
N 76.00	W 25.17	"	-5.09	
"	W 23.17	"	-5.09	
N 74.00	W 25.17	"	-5.09	
	W 23.17	"	-5.09	

OPERATING FLOOR PLAN - EL 550.00

HEADHOUSE (CONT.)

H.I. = 554.88

	GRADE	ROD	ELEV.
N56.00 W25.17	549.79	-5.09	
" W23.17	"	-5.09	
N54.00 W25.17	"	-5.09	
" W23.17	"	-5.09	
JOINT LINE N104 E17.00	549.92	-4.95	
N95 E17.00	"	-4.95	
N95 E11.08	"	-4.94	
N81 E11.08	"	-4.95	
N68.33 E11.08	"	-4.96	
N68.33 E17.00	"	-4.95	
N48.33 E17.00	"	-4.96	
N28.33 E17.00	"	-4.96	
N5.00 E17.00	"	-4.95	
SCRIBE FORM N25.33 W46.00	549.75		
" W36.00	"		
" W27.00	"		
" W27.00	549.79		
" W17.00	"		

OPERATING FLOOR PLAN - ELV. 550.00

HEADHOUSE (CONT.)

H.I. = 554.88

	GRADE	ROD.	ELEV.
N25.33 W7.00	549.79		

109 CLEAR COOL

DEC. 20, 1949 LEONARD BAKER & NOTES PAYNE, H.C. CARVER, R.C.

ZEOLITE:

B.M. +7.77 5 42.17 534.40 (3'-5 OFF)

		Sub Grade	Rod	Elev	Cuts
℄ of Ditch S 105.92	W 47.0	522.50			
"	W 52.0	522.50	-8.11	534.06	C-11.56
"	W 52.0	525.00	-8.11	534.06	C- 9.06
"	W 57.0	525.00	-6.93	535.24	C-10.24
"	W 57.0	527.50	-6.93	535.24	C- 7.74
"	W 62.0	527.50	-6.21	535.96	C-8.46
"	W 62.0	530.00	-6.21	535.96	C 5.96
"	W 64.50	530.00	-5.87	536.30	C- 6.30
"	W 64.50	531.50	-5.87	536.30	C-4.80
"	W 69.25	531.50	-4.03	538.14	C 6.64 (3'-4.67 OFF)
℄ W 68.42	S 91.92	531.50	-5.90	536.27	C 4.77
"	S 101.92	531.50	-4.44	537.73	C 6.23
"	S 110.67	531.50	-4.51	537.66	C-6.16 (3'-5 OFF)
℄ W 83.25	S 91.92	531.50	-3.80	538.37	C-6.87
	S 101.92	531.50	-3.76	538.41	C-6.91
	S 110.67	531.50	-3.75	538.42	C-6.92
W 64.42	S	531.50	-9.31	532.86	C-1.36

CLEAR COLD

Dec. 21, 1949

BAKER PAYNE CARVER

110

MIXING & SETTLING BASIN. EAST WALL WALKWAY

CHECK ELEV. OF FORMS

B.M. +4.51 H.I. 555.15 550.64

	Grade	Rod	Elev.
N 29.80 E 387.58	550.50	-4.66	550.49
" E 391.58	"	-4.66	550.49
N 19.80 E 387.58	"	-4.66	550.49
" E 391.58	"	-4.66	550.49
N 9.80 E 387.58	"	-4.65	550.50
" E 391.58	"	-4.66	550.49
N 4.83 E 387.58	"	-4.65	550.50
" E 391.58	"	-4.67	550.48
S 4.83 E 387.58	"	-4.64	550.51
E 391.58	"	-4.66	550.49
S 15.17 E 387.58	"	-4.65	550.50
E 391.58	"	-4.66	550.49
CB M	-4.51		550.64

Clear
Cool

Dec 21, 1949

Baker - notes
Payne - T
Clever - Rod

MIXING BASIN: CHECK ELEV OF FORMS

		H.I.		
B.M. +4.51		555.15	+3.51	550.64
T.P. +5.19		563.85		558.66
		GRADE	ROD	ELEV
N 94.83	E 227.09		-5.05	558.80
"	E 211.50		-5.03	558.82
N 85.67	E 227.69		-4.87	558.98
"	E 229.29		-4.87	558.98
"	E 211.50		-4.87	558.98
"	E 209.01		-4.87	558.98
N 77.67	E 229.29		-4.71	
"	E 209.01		-4.71	

CLEAR
COOL

DEC. 22, 1949

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

SETTLING BASIN: DIVIDING WALL BETWEEN BASIN #1 & 2, CHECK FORMS FOR ELEV.

B.M.		+4.63	555.13	550.50
		GRADE	ROD	ELEV.
E 216.58	S 101.17	550.50	-4.63	550.50
"	S 111.17	"	-4.64	550.49
	S 121.17	"	-4.65	550.48
	S 131.17	"	-4.66	550.47
	S 143.42	"	-4.67	550.46
E 220.58	S 101.17	"	-4.63	550.50
	S 111.17	"	-4.64	550.49
	S 121.17	"	-4.65	550.48
	S 131.17	"	-4.66	550.47
	S 143.42	"	-4.66	550.47
CK B.M.		"	-4.63	550.50 CK

113 CLEAR COOL — DEC. 22, 1949 — BAKER, T. & NOTES; PAYNE, H.C.; CARVER, R.C.

SETTLING BASIN: SLUDGE COLLECTOR WALL FORMS AND BOLTS-ELEVS.

		GRADE	H.I. ROD	ELEV.
B.M.		+2.58	544.17	537.59
S143.42	E346.08	535.00	5.18	534.99
"	E356.08	"	5.18	534.99
"	E366.08	"	5.17	535.00
"	E376.08	"	5.18	534.99
"	E389.08	"	5.16	535.01
S145.42	E346.08	"	-5.16	535.01
	E356.08	"	-5.17	535.00
	E366.08	"	-5.18	534.99
	E376.08	"	-5.17	535.00
	E389.08	"	-5.17	535.00
CROSS COLLECTOR, BOLTS, ELEV.				
S148.42	E387.47	@530.27	-9.90	530.27
"	E388.03	@530.27	-9.91	530.27
CK. B.M.			-2.58	537.59 CK

CLEAR COOL — JAN 31, 1949 — BAKER, T. & NOTES; CARVER, ROD; K & E 106 346

ZEOLITE: CHECK FORMS FOR TROUGHS IN BASIN #3

		GRADE	H.I. ROD	ELEV.
B.M.	+5.25		544.25	539.00
S54.62	E15	535.00	-9.25	535.00
"	E30.5	535.015	-9.235	535.015
"	E46.00	535.00	-9.25	535.00
S55.79	E15	"	-9.25	535.00
	E30.5	535.015	-9.235	535.015
	E46.00	535.00	-9.25	535.00
S59.87	E15	"	-9.25	535.00
	E30.5	535.015	-9.235	535.015
	E46.00	535.00	-9.25	535.00
S61.04	E15	"	-9.25	535.00
	E30.5	535.015	-9.235	535.015
	E46.00	535.00	-9.25	535.00
CK B.M.		5	-5.25	539.00 CK

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DEC. 27. 1949

TOP OF SEPT. WATER CONDT

BM +4.58	℄ 555.08		550.50
	GRADE	ROD	ELEV.
N 4.83 E124.58	550.50	4.58	550.50
134.58		4.58	550.50
144.58		4.58	550.50
158.58		4.58	550.50
S 4.83 E124.58		4.58	550.50
134.58		4.58	550.50
144.58		4.58	550.50
158.58		4.58	550.50
WALK-WAY OVER	DRY-WELLS ℄ 555.08	4.58	550.50
E136.58 N 4.83	550.50	4.58	550.50
N 9.83		4.58	550.50
N 14.83		4.58	550.50
N 16.83		4.58	550.50
E129.58 N 4.83		4.58	550.50
N 9.83		4.58	550.50
N 14.83		4.58	550.50
N 16.83		4.58	550.50

CLEAR - WARM DEC, 23, 1949 BAKER X-4 NOTES
TAYNE, HE
CARVER, R.C

ZEOLITE: CHECK SUBGRADE ↑ BASINS #648

B.M.		+8.99	531.67	522.68
		GRADE		
S74.58	W47.00	524.17	-7.50	524.17
"	W37.00	"	-7.50	524.17
"	W27.00	"	-7.50	524.17
"	W17.00	"	-7.50	524.17
"	W7.50	"	-7.50	524.17
W7.50	S74.58	"	-7.50	524.17
"	S84.58	"	7.50	524.17
"	S94.58	"	7.50	524.17
"	S104.58	"	7.50	524.17
"	S114.58	"	7.50	524.17
"	S119.58	"	7.50	524.17
S119.58	W7.50	"	7.50	524.17
"	W17.50	"	7.50	524.17
"	W27.50	"	751	524.16
"	W37.50	"	751	524.16
"	W47.00	"	7.51	524.16
SW47.00	S119.58	"	-751	524.16
"	S109.58	"	-7.50	524.17 14.00

(Cont next page)

ZEOLITE: CHECK GRADES Cont

H.I. = 531.67

		GRADE	ROD	ELEV
W 47.00	S 99.58	524.17	-7.50	524.17
"	S 89.58	"	7.50	524.17
"	S 74.58	"	7.50	524.17
		SUB GRADE		ALL POINTS
		523.50	8.17	CHECKED BELOW
				GRADE.
		523.00	8.67	" "

CHECK ZEOLITE OPERATING FLOOR UNITS 2 & 4

BM	+5.12	T 544.12		539.00
W 14.00	S 32.58	538.20	5.97	538.15
	42.58		5.98	538.14
	52.58		5.96	538.16
	62.58		5.97	538.15
	71.08		5.95	538.17
W 24.50	S 32.58	538.20	5.96	538.16
	42.58		5.95	538.17
	52.58		5.96	538.16
	62.58		5.93	538.19
	71.08		5.94	538.18
W 34.50	S 32.58	538.20	5.96	538.16
	42.58		5.96	538.16
	52.58		5.97	538.15
	62.58		5.94	538.18
	71.08		5.94	538.18
W. 45.00	S 29.58	538.00	6.14	537.98
	39.58		6.12	538.00
	49.58		6.13	537.99

CONT NEXT PAGE

	T 544.12		
W45.00 S 59.58	538.00	6.12	538.00
69.58		6.12	538.00
74.58		6.12	538.00
S 30.08 W 46.00	538.00	6.14	537.98
36.00		6.12	538.00
26.00		6.13	537.99
13.00		6.12	538.00
S 61.08 W 11.00	538.00	6.12	538.00
W 31.00		6.13	537.99
24.00		6.13	537.99
15.50		6.13	537.99
S 71.50 W 44.00	538.00	6.13	537.99
39.00		6.12	538.00
24.00		6.12	538.00
15.50		6.13	537.99
TOP OF WALK		WAT	
W 15.50 S 32.58	539.00	5.14	538.98
S 37.58		5.13	538.99
S 49.58		5.14	538.98

	T 544.12		
W 15.50 S 52.58	539.00	5.12	539.00
62.58		5.12	539.00
72.58		5.12	539.00
74.58		5.12	539.00
W 23.00 S 32.58	539.00	5.13	538.99
37.58		5.14	538.98
49.58		5.14	538.98
52.58		5.13	538.99
62.58		5.14	538.98
72.58		5.12	539.00
74.58		5.12	539.00
W 25.00 S 32.58	539.00	5.12	539.00
37.58		5.10	539.02
49.58		5.14	538.98
52.58		5.13	538.99
62.58		5.10	539.02
72.58		5.10	539.02
74.58		5.12	539.00
W 33.50 S 32.58	539.00	5.12	539.00

CONT. NEXT PAGE

	T 544.12		
W 33.50 S 37.58	539.00	5.10	539.02
49.58		5.13	538.99
52.58		5.12	539.00
62.58		5.10	539.02
72.58		5.11	539.01
74.58		5.10	539.02
W 35.50 S 32.58	539.00	5.12	539.00
37.58		5.10	539.02
49.58		5.14	538.98
52.58		5.13	538.99
62.58		5.10	539.02
72.58		5.11	539.01
74.58		5.10	539.02
W 44.00 S 32.58		5.13	538.99
37.58		5.12	539.00
49.58		5.14	538.98
52.58		5.13	538.99
62.58		5.12	539.00
72.58		5.12	539.00
74.58		5.12	539.00

WALK WAY BASIN DIVIDING WALL

BM + 4.63	T 555.13		550.50
E 216.58 S 101.17	550.50	4.63	550.50
S 111.17		4.64	550.49
121.17	550.485	4.645	550.485
131.17		4.65	550.48
143.42	550.47	4.66	550.47
E 220.58 S 101.17	550.50	4.63	550.50
111.17		4.64	550.49
121.17	550.485	4.645	550.485
131.17		4.65	550.48
143.42	550.47	4.65	550.48

.03 SLOPE TO GR. OF 550.50

DEC. 27, 1949

CHECK RODS IN SET BASIN.

BM 5.33	℄ 535.26		529.93
E 282.58 S 101.17	535.00	0.25	535.01
111.17		0.27	534.99
121.17		0.27	534.99
131.17		0.26	535.00
143.42		0.26	535.00
E 287.08 S 101.17	535.00	0.26	535.00
111.17		0.26	535.00
121.17		0.26	535.00
131.17		0.27	534.99
143.42		0.27	534.99
E 291.58 S 101.17	535.00	0.26	535.00
111.17		0.26	535.00
121.17		0.27	534.99
131.17		0.27	534.99
143.32		0.25	535.01
E 299.58 S 101.17	535.00	0.26	535.00
111.17		0.27	534.99
131.17		0.27	534.99
143.32		0.26	535.00

DEC. 28, 1949
BAKER 4 FNOTES 1-26
PAYNE 4.C
CARVER R.C
~~NOE #6346~~

PIPE WALLS & BLOCK-OUTS IN ZEOLITE BASINS 5 & 7

BM + 5.21 WALL, BASIN #5	℄ 544.21		539.00
E 15.00 S 73.58	535.50	8.72	535.49
78.58		8.72	535.49
83.58		8.71	535.50
88.58		8.72	535.49
96.58		8.71	535.50
TOP OF 18"×18" BLOCK-OUT			
E 15 S 85.33	532.75	11.47	532.74
386.83		11.46	532.75
TOP OF 12"×12" BLOCK-OUT			
E 15 S 90.83	532.46	11.75	532.46
S 91.83 WALL, BASIN #7		11.75	532.46
E 15 S 97.58	535.50	8.70	535.51
102.58		8.71	535.50
107.58		8.71	535.50
112.58		8.71	535.50
118.58		8.71	535.50
TOP OF 18"×18" BLOCK-OUT			
E 15 S 107.33	532.75	11.47	532.74
S 108.83		11.47	532.74

NEXT PAGE

	℄ 544.21		
TOP OF 12"X12" Block-out			
E15. S112.83	532.46	11.75	532.46
S113.83		11.75	532.46
CHECK B.M.		-5.21	539.00 = 539.00

HEAD HOUSE FOOTINGS SET SUB. GR. CUTS

	GRADE		ELEV.
BM +4.12	℄ 551.09		546.97
E0.67 N114. W0.58	536.50	11.10	539.99 = C 3.49
E0.67 N110.00 W0.58	536.50	11.19	539.90 = C 3.40
2'6"X2'6" FOUNDATION			
N114 W7.0	536.50	11.30	539.79 = C 3.29

CHECK TOPS BEAMS OF CHLOR. HOUSE

	℄	—	
BM + 4.52	555.16		550.64
+ 8.73 T.P. TOP of CHLOR. HOUSE.			563.89
+ 3.15 BOTT. of BEAMS	℄ 567.04		
E62.80 N70.33	561.00	6.04	561.00
N80.33	561.08	5.96	561.08
90.33	561.15	5.94	561.10
100.33	561.22	5.84	561.20
105.88	561.26	5.77	561.27
E57.80 N70.33	561.00	6.05	560.99
80.33	561.08	5.94	561.10
90.33	561.16	5.86	561.18
100.33	561.22	5.84	561.20
105.66	561.26	5.78	561.26
E62.80 N70.33	561.00	6.04	561.00
80.33	561.08	5.95	561.09
90.33	561.15	5.85	561.19
100.33	561.22	5.84	561.20
105.66	561.26	5.78	561.26

NEXT PAGE

CHLOR. HOUSE

℄ 567.04

E67.80 N70.33	561.00	6.04	561.00
80.33	561.08	6.95	561.09
90.33	561.15	5.86	561.18
100.33	561.22	5.84	561.20
105.66	561.26	5.79	561.25
E72.80 N70.33	561.00	6.03	561.01
80.33	561.08	5.96	561.08
90.33	561.15	5.~~95~~ .91	561.18
100.33	561.22	5.86	561.18
105.66	561.26	5.80	561.24
E77.80 N70.33	561.00	6.03	561.01
80.33	561.08	5.95	561.09
90.33	561.15	5.90	561.14
100.33	561.22	5.86	561.18
105.66	561.26	5.80	561.24
E82.80 N70.33	561.00	6.03	561.01
80.33	561.08	5.94	561.10
90.33	561.15	5.90	561.14
100.33	561.22	5.85	561.19
105.66	561.26	5.80	561.24

NEXT PAGE

CHLOR. HOUSE

℄ 567.04

E87.80 N70.33	561.00	6.03	561.01
80.33	561.08	5.91	561.10
90.33	561.15	5.92	561.12
100.33	561.22	5.85	561.19
105.66	561.26	5.79	561.25

BOTT. OF BEAM CL 21 & 22

N81.00 E47.80	560.17	6.87	560.17
57.80	"	6.87	560.17
67.80	"	6.87	560.17
77.80	"	6.87	560.17
87.80	"	6.85	560.19
93.42	"	6.86	560.18

TOP OF CHLOR. HOUSE

N70.33 E47.80	564.50	2.53	564.51
57.80	"	2.53	564.51
67.80	"	2.54	564.50
77.80	"	2.54	564.50
87.80	"	2.54	564.50
93.42	"	2.53	564.51

NEXT PAGE

CHLOR. HOUSE

	℄ 567.04		
E 93.42 N 70.33	564.50	2.53	564.51
80.33	"	2.55	564.49
90.33	"	2.55	564.49
100.33	"	2.55	564.49
105.66	"	2.55	564.49
N 115.66 E 47.80	562.33	4.71	562.33
57.80	"	4.71	562.33
67.80	"	4.72	562.32
77.80	"	4.71	562.33
87.80	"	4.70	562.34
93.42	"	4.71	562.33
E 47.80 N 70.33	563.26	3.76	563.28
80.33		3.74	563.30
90.33		3.73	563.31
105.66		3.73	563.31

LEONARD
BAKER
PAYNE
CARVER
K & E 106346

DEC. 29 1949
Clear & Warm

DRY WELL FORM, INFLUENT CHANNEL

BM ~~546~~ +4.01	℄ 550.67	—	546.66
N 77.85 E 139.08	550.00	0.67	550.00
136.58	"	0.66	550.01
136.58	549.50	1.18	549.49
129.58	"	1.17	549.50
129.58	550.00	0.67	550.00
127.08	"	0.68	549.99
N 72.80 E 127.08	550.00	0.67	550.00
129.58	"	0.66	550.01
129.58	549.50	1.17	549.50
136.58	"	1.19	549.48
136.58	550.00	0.66	550.02
139.08	"	0.66	550.01
CHECK BOLT ELEV'S			
N 75.89 E 141.17	542.76	7.84	542.83
141.19		7.84	542.83
N 74.77 E 141.47		7.83	542.84
141.19		7.84	542.83

NEXT PAGE

	T 550.67	ELEV. OF BOLTS
N75.89 E124.58	542.76	7.85 542.82
124.86		7.85 542.82
N74.77 E124.58		7.84 542.83
124.86		7.83 542.84
Ck BM		-1.01 546.66 = 546.66

Clear
Warm

LEONARD
BAKER
PAYNE
CARVER
KTE 106346

DEC 28, 1949.

CHECK DRY-WELL FORMS & DRIVE SHAFT BOLTS

BM + 4.23	T 550.89		546.66
N17.36 E310.08	550.00	0.88	550.01
307.58	"	0.87	550.02
307.58	549.00	1.38	549.51
300.58	"	1.37	549.52
300.58	550.00	0.86	550.03
298.08	"	0.87	550.02
N12.36 E298.08	550.00	0.88	550.01
300.58	"	088	550.01
300.58	549.50	1.38	549.51
307.58	"	1.39	549.50
307.58	550.00	0.89	550.00
310.08	"	0.89	550.00
BOLT ELV'S			
N15.42 E311.65	541.72	9.10	541.79
311.93		9.10	541.79
N14.30 E311.65		9.11	541.78
311.65		9.11	541.78

NEXT PAGE

	⊼ 550.89		
N15.42 E296.51	541.72	9.10	541.79
296.23	"	9.10	541.79
N14.30 E296.51	"	9.10	541.79
296.23	"	9.11	541.78
Ck BM		-4.23	546.66 - 546.66

DEC 28, 1949

DRY WELL & DRIVE SHAFT BOLTS

BM + 4.23	⊼ 550.89		546.66
N33.01 E310.08	550.00	0.87	550.02
307.58	"	0.88	550.01
307.58	549.50	1.39	549.50
300.58	"	1.38	549.51
300.58	550.00	0.87	550.02
298.08	"	0.87	550.02
N28.01 E298.08	550.00	0.89	550.00
300.58	"	0.89	550.00
300.58	549.50	1.39	549.50
307.58	"	1.38	549.51
307.58	550.00	0.88	550.01
310.08	"	0.88	550.01

NEXT PAGE

BOLT ELEV'S

	⊼ 550.89		
N31.07 E311.65	541.72	9.13	541.76
311.93		9.14	541.75
N29.95 E311.65		9.15	541.74
311.93		9.14	541.75
N31.07 E296.51		9.13	541.76
296.23		9.13	541.76
N29.95 E296.51		9.12	541.77
296.23		9.13	541.76

CHECK TOP OF ZEOLITE OPERT. FLOOR

BM + 5.12	544.12		539.00
E11 S29.58	538.75	5.35	
S 39.58	"	5.36	
49.58	"	5.35	
59.58	"	5.35	
69.58	"	5.36	
74.58	"	5.36	
S74.58 E11	538.75	5.36	
E01	"	5.35	
W01	"	5.35	
W11	"	5.37	
W11 S 74.58	538.75	5.37	
64.58	"	5.36	
54.58	"	5.36	
44.58	"	5.37	
34.58	"	5.37	
29.58	"	5.37	

NEXT PAGE

Δ 544.12

Base of Opert. Tables, ZEOLITE.

UNIT 1		
S 37.40 E 11	538.75	5.35
E 7.46	"	5.35
E 7.46 S 44.16	"	5.36
S 44.16 E 11	"	5.36
UNIT 3		
S 59.40 E 11	538.75	5.35
E 7.46	"	5.37
E 7.46 S 66.16	"	5.37
S 66.16 E 11	"	5.35
UNIT 2	538.75	
S 37.40 W 11		5.37
W 7.46		5.37
W 7.46 S 44.16		5.37
S 44.16 W 11		5.37
UNIT 4		
S 59.40 W 11	538.75	5.36
W 7.46		5.37
W 7.46 S 66.16		5.36
S 66.16 W 11		5.36

NEXT PAGE

T. 544.12

(ZEOLITE) TOP OF REMOVABLE HATCH

E 0.75 S 32.33	538.75	5.35
S 34.83		5.36
W 0.75. S 34.83		5.36
W 0.75 S 32.33		5.35
	538.75	
E 0.75 S 54.33		5.37
S 56.83		5.37
W 0.75 S 56.83		5.37
S 54.33		5.37

JAN. 31, 1950
K.P.E. LEVEL # 106346
LEONARD CARVER

FILTER PIPE GALLERY
SET GRADE FOR PADS UNDER CONSTANT LEVEL TANKS

B.M. S.E. COR. WASH WATER CONTROL STR. 541.48
+ 0.63 542.11

T.P. WATERSTOP ON 12" DRAIN N. SIDE -12.585 529.525
T.P. " " " " S. " -12.605 529.505

SET GRADES ON WALL, N. SIDE. LEVEL ADJACENT TO N. WALL.

T.P. +4.28 533.805 529.525
GRADE ROD -4.555 529.25 4 PLACES. GRADE SET.

SET GRADES ON WALL, S. SIDE. LEVEL ADJACENT TO S. WALL.

T.P. +4.39 533.895 529.505
GRADE ROD -4.645 529.25 GRADE SET 4 PLACES.

RECHECK AT E. END. LEVEL SET UP IN CENTER OF GALLERY

GRADE LINE ON S. SIDE -4.91
" " " N. SIDE -4.91
} SAME ELEV.

JAN. 31, 1950
K.&E. LEVEL 106346.

LEONARD CARVER.

ZEOLITE, BEAMS AND ARCHES, CHECK ELEV.'S OF FORMS.

CHLOR. BLDG. B.M. PARAPET			564.505	S.W. COR.
+2.725	567.23			
S 52.08 TOP ARCH #2		-10.395	556.835	.005 HIGH
S 53.17 BEAM S-2 N. END		-10.09	557.14	.01 HIGH
" CENTER		-10.09	557.14	.01 "
S 73.50 " S. END		-10.10	557.13	O.K.
N. SIDE S 74.0 TOP ARCH #1		-10.40	556.83	O.K.
CHECK B.M.		-2.725		

E. END B.M. SALT STG. TANK			546.66	
+8.29	554.95			
NAIL IN CONC. T.P. AT O TO OF AXIS.		-5.19	549.76	
+5.00	554.76			
BEAM S-11 E. END		-6.62	548.14	.03 LOW
" CENTER		-6.60	548.16	.01 LOW
" W. END		-6.59	548.17	O.K.
NORTH BEAM S-10 E. END		-6.34	548.42	O.K.
" CENTER		-6.325	548.435	.015 HIGH
" W. END		-6.34	548.42	O.K.

ZEOLITE, BEAM FORMS, CONT'D.

H. I.	554.76			
SOUTH BEAM S-10 E. END		-6.33	548.43	.01 HIGH
CENTER		-6.36	548.40	.02 LOW
W. END		-6.36	548.40	.02 LOW
BEAM S-9 6' EAST	UNDER ARCH FORMS, CAN'T CHECK ENDS.	-6.33	548.43	.01 HIGH
" 6' WEST		-6.35	548.41	.01 LOW
CHECK T.P.		-5.00	549.76	AT AXIS INTERSECTION NAIL IN CONC.

HEADHOUSE:
CHECK BOTTOM OF BEAM #150 AFTER FORMS WERE REMOVED.

B.M.	+3.52	543.985		S.E. COR. CURB AROUND EAST BOX IN HEADHOUSE CONCRETE 540.465
BEAM #150 11' EAST		+ 4.150	548.135	.035 LOW
" 5' "		+ 4.155	548.14	.03 LOW
" CENTER		+ 4.155	548.14	.03 LOW
" 5' WEST		+ 4.170	548.155	.015 LOW
" 11' "		+ 4.185	548.17	GRADE.

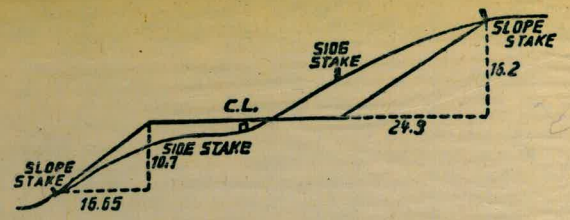
BM's

MANHOLE SOUTH OF WEST	
MON. (385.78)	534.40
EAST MON (419.85)	537.59
DAM	536.39
FAR EAST MON	519.85
MANHOLE S.W. END SETT. BASIN.	530.31
SALT STORAGE	546.66
TRUCK SCALE S.W. COR.	546.66

151

743

278.58
34.00
312.58



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.

SLOPE 1½ TO 1. ROADWAY OF ANY WIDTH.

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

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