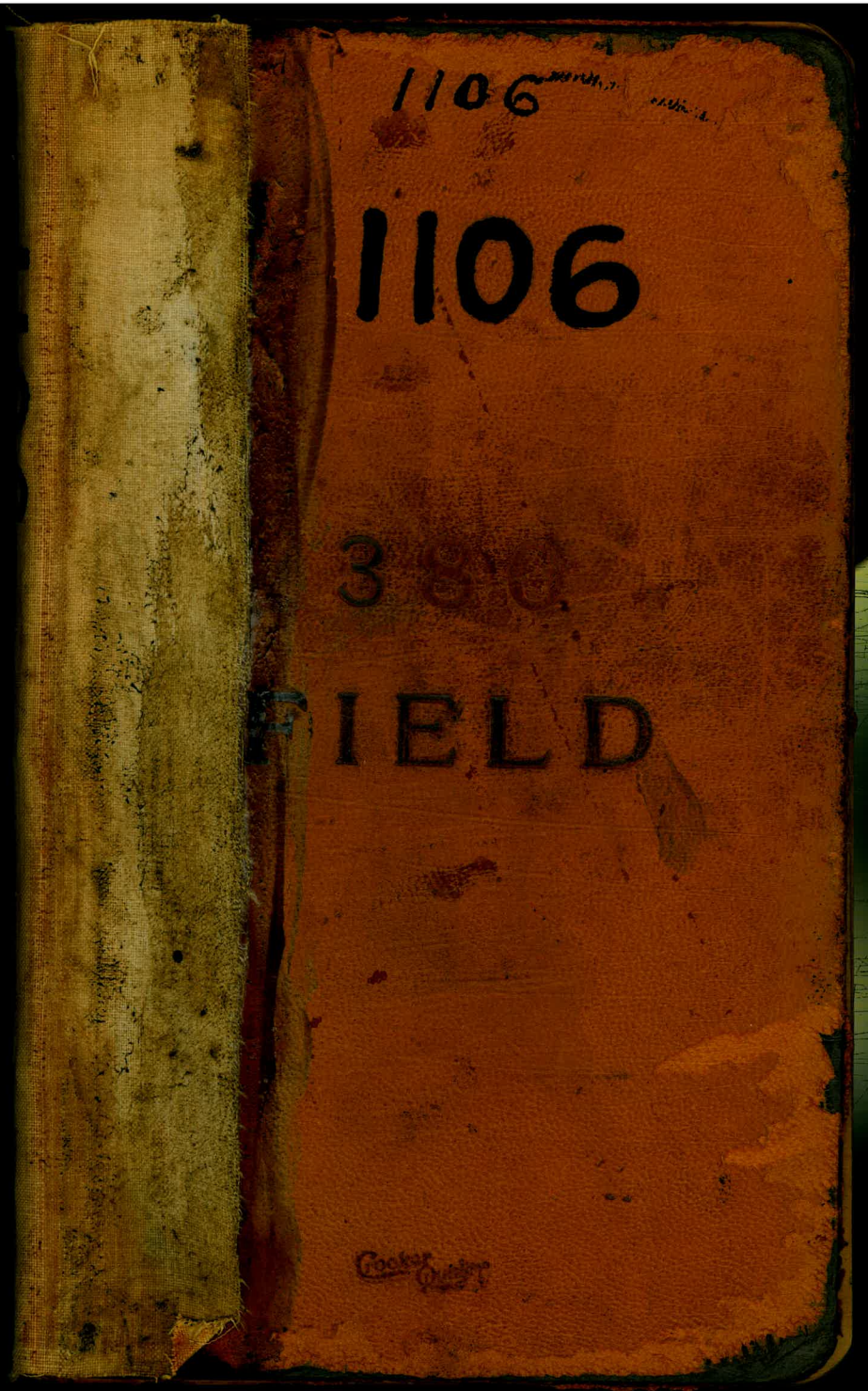

1106
1106
FIELD

4 - ½ x 12 4'-8"

16 - ⅞ x 14 10" apart

x 6-9" x

- 3.75
- .13

3.62 = 3'-7½"

On Railing

E + W - 4 pcs - ½ x 18 -
4 " ½ x 8 -

N + S - 28 pcs - ½ x
13 " ¾ x

No.	length	Diameter Butt	Diameter tip	Total No. of Blows.	Average drop.	Last 5 Blows. Ht of Fall	Last 5 Blows. Penetration	length of Cut-off	length in place.
			South Pier						
12	26	12"	10"	181	16	25	1"	2.6"	23.6"
13	25½	10"	9"	149	16	25	1/8	2.6"	23.0
14	25½	12½	10½	165	17	27	1"	2.6"	23.0
15	25 3/4	12	10	176	17	27	1"	3.0	22.9
16	25 3/4	12½	10½	146	17	27	1"	2.9"	23.0
17	25 3/4	12	9	135	17	27	1"	3.0	22.9
18	25 3/4	11½	9½	152	17	27	1/8	2.9"	23.0
19	25½	12½	10½	178	17	27	7/8	2.6"	23.0
20	25 3/4	11	8½	154	17	27	1	2.6"	23.3
21	25½	11	9	147	17	27	1	2.6"	23.0
22	25½	11½	10	182	17	27	7/8	2.6"	23.0
23	25½	13	11	236	18	27	2/4	2.6"	23.0
24	25	11	9	205	17	27	7/8	2.6"	22.6
25	25½	12½	10½	201	17	27	7/8	2.6"	23.0
26	24 3/4	11½	10	229	18	27	3/4	4.0"	20.9
27	25½	11	8½	191	17	27	1	2.6"	23.0
28	25½	11	9	179	17	27	1	2.8"	22.10
29	24½	11	9	178	17	27	1	2.6"	22.0
6	25¼	9	7½	115	16	27	1 3/8	2.10"	22.5
7	25 3/4	13½	12	139	14	18	3/4	8½ Split 2.10"	13.6
8	26	9	8	104	15	22	1/2	4 3/4 " 2	19.3
9	25 3/4	12½	9½	225	17	27	3/4	2.6"	23.3
10	24 3/4	10	8½	153	17	27	1	2.0"	22.9
11	25½	11½	8½	177	17	27	1	2.6"	23.0
1	25½	10	8	130	16	27	1/8	2.6"	23.0

Continued

Elevation of Cut-off = -2.75

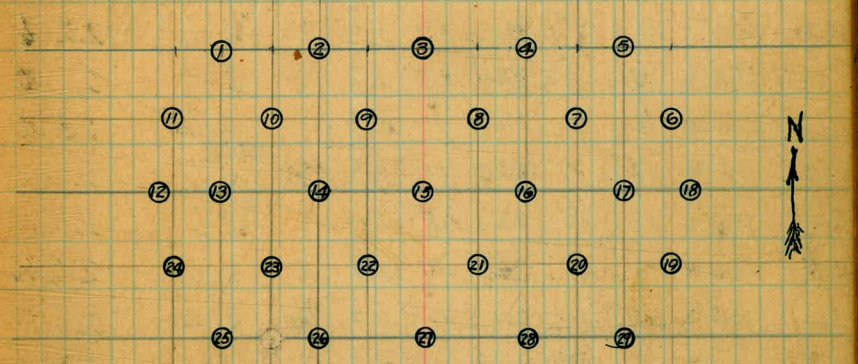


Diagram to show numbering of Pier piles. S.D. River bridge at Old town.

Hammer used on this work. Estimated weight #1600.

No	Length	Diameter Butt	Diameter tip.	Total Blows	Average drive	Last 5 Blows Ft. of drop	Last 5 Blows Av. Penth.	Length of Cut-off	Length in Place.
Continuation of South Pier									
2	25½	12½	10½	186	16	24	7/8	4'. 6"	21'. 0"
3	25½	13½	10½	266	17	26	3/4	2'. 6"	23. 0
4	25½	12½	9½	291	17	27	7/8	3' 0"	22. 6
5	25½	13	10	279	16	26	3/4	2'. 6"	23. 0
North Pier									
25	25 3/4	11½	9	167	17	27	1⅛	2. 9"	23. 0
24	25½	12½	10	224	17	27	1	2. 6"	23. 0
12	25	11½	9½	200	17	27	1	2. 6"	22. 6"
11	25½	12½	10½	234	17	27	7/8	3. 0	21. 6
1	25½	11	9	198	17	27	1	2. 6	23. 0
10	25½	12½	11	220	14	23	½	5. 6	20. 0
13	25½	12	10½	227	18	24	½	3. 6	22. 0
23	25	9	8	195	17	27	1	2. 6	22. 6
26	25½	13	11½	213	14	22	3/8	3. 0	21. 6
22	25	11	9	173	17	27	1	2. 6	22. 6
14	25½	12	9½	232	17	27	1	2. 6	23. 0
2	25½	11½	9½	203	17	27	7/8	2. 9	22. 9
9	25½	12	10	280	14	21	3/4	3½ 3. 6	22. 0
3	25½	10	8½	208	17	27	7/8	3. 0	22. 6
15	25½	11½	9½	270	17	27	3/4	3. 6	22. 0
27	25½	9½	8	184	17	27	1	2. 6	23. 0
21	25½	13	12	262	14	22	½	3 3. 6	22. 0
8	25½	10	8½	213	15	24	7/8	2½ 2. 6	23. 0
4	25½	11½	9½	228	15	24	½	3 3. 0	22. 6

Continued

N	No.	Length	Diameter Butt	Diameter tip.	Total Blows	F.V. drop.	Last 5 Blows Ht. of Drop	Last 5 Blows Aver. Penetn.	Length of cut-off	Length in Place.
		Continuation of North Pier								
12	16	25½	11½	9	310	17	27	½	4.0.	21.6"
1	28	25½	12½	10½	~~267~~	16	24	½	3 3.6	22.0
1	20	25	12	10	287	16	25	½	2 3.6	21.6
1	7	25½	11½	10½	248	14	22	½	3½ 3.6	22.0
1	5	25½	11	9½	273	17	27	¾	3.0	21.6
1	17	25½	10½	9	232	17	27	1	2.6	23.0
1	29	25½	11	9½	314	15	24	½	3.0	22.6
1	19	26	11½	10	347	17	27	1½	3.0	23.0
2	18	26	10	8	274	14	23	½	3½ 3.6	22.6
2	6	26 22	10 11	9 9½	192 187	14 14	20 22	½	4.0 corrected 5.0	17.0
2										
2										
2										
2										
2										
2										
2										
2										
2										

North Abutment

N	No	Length	Butt	Tip.	Total Blows	Ave. drop	Last 5 Blows. Ave. drop	Ave. Pen.	Length of cut off	Length in Place
	10	25	10	8	147	19	28	1	2	23.0"
12	19	25½	11½	10	194	19	28	7/8	2	23.6
13	9	26½	12	11	260	19	28	3/4	2½	23.0
14	18	25½	11½	10	207	18	28	7/8	3	22.6
15	8	25½	10½	9½	208	19	28	7/8	2¾	22.9
16	17	26	11½	10	219	18	28	7/8	3	23.0
17	7	25½	10	8	190	18	27	1	2¾	22.9
18	16	25½	11½	10	231	18	27	7/8	3	22.6
19	6	24½	12	11	223	18	27	3/4	3	21.6
20	15	24½	11	10	192	19	28	1	3	21.6
21	5	25	10½	9	153	18	27	1	3	22.0
22	14	24½	10	8½	167	18	27	7/8	3	21.6
23	23	25	10½	9	147	18	27	1	2½	22.6
24	33	25	11½	10	137	19	28	1	2½	22.6
25	24	26	12	11	202	18	27	3/4	3	22.0
26	34	24½	11½	10	178	18	27	1	2½	22.0
27	25	25	11½	10	188	18	27	1	2½	22.6
28	35	25	10½	9	178	18	27	1	2½	22.6
29	26	25	11½	9½	223	18	27	3/4	2½	22.6
30	36	25	11	9½	198	18	27	7/8	2½	22.6
	27	Left out on acc. of old pier footing								
	37	25	12	11	204	18	27	3/4	2½	22.6
	28	25	11	10	165	18	27	1	2½	22.6
	38	25	11½	10	186	16	25	3/4	2½	22.6
1	1	25	12½	11	247	16	25	½	2½	22.6
2	11	25	12	10½	258	15	24	3/8	3	22.0

Continued

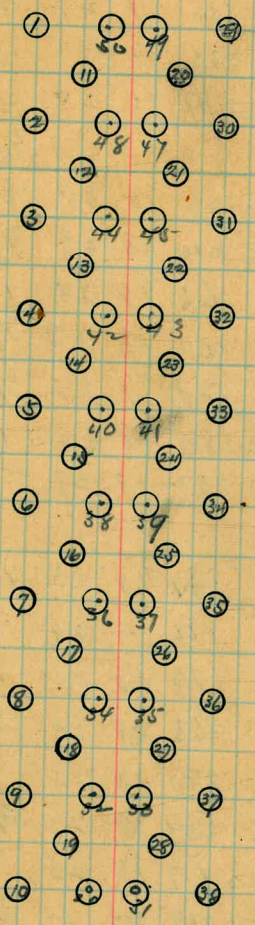


Diagram to show numbering of piles in N. abutment. San Diego River bridge, Old town.

Weight of hammer #1600.

N	No	Length	Diam. Butt	Diam. Tip	Total Blows	Last 5 Blows Ave Drop	Last 5 Blows Ave Penetration	Length of Cut off	Length in Place
	Continuation of North Abutment								
12	2	25	12	11	296	16	25	3/4	5.6	19.6"
13	12	25	12½	11½	336	17	27	3/4	4.0	21.0
14	3	25	12	11	403	16	25	½	6	19.0
15	13	25	12½	11½	387	16	25	½	5.6	19.6
16	4	25	11	10	306	17	26	3/4	5.0	20.0
17	32	26	10	8	126	18	28	1⅛	3.0	23.0
18	22	26	11	9½	210	18	28	3/4	3.0	23.0
19	31	25½	10½	9	165	18	28	1	3.0	22.6
20	21	25½	10½	9	201	18	28	7/8	2.6	23.0
21	30	25	11	10	227	17	27	3/4	2.9	22.3
22	29	25½	10½	9½	184	18	28	1	2.9	22.9
23	20	25	11	10	252	18	29	7/8	2.9	22.3
24										
25	30 Aug 29	25	10	8	147	18	28	1⅛	2.6	22.6
26	31	25	10½	9	156	18	28	1	2.6	22.6
27	33	25	9½	8	179	18	28	7/8	2.6	22.6
28	32	25	11½	10	263	18	28	3/4	2.6	22.6
29	34	25	12½	11	290	18	28	½	2.6	22.6
30	35	25	12	11	284	18	28	3/4	2.6	22.6
	37	25	11½	10½	219	18	28	7/8	2.6	22.6
	36	25	11	9½	209	14	21	different Piece	8	17.0
	38	26	11	9½	246	18	28	3/4	2.6	23.6
	39	22	12	10½	179	20	28	3/4	2.6	19.6
	41	18	9½	8	92	21	28	1¼	2.9	16.3
	40	20	10	9	162	20	28	1	2.6	17.6

No	Length	Diam Butt	Diam Tip	Total Blows	Av. Drop	Last 5	Pen.	Length of cut off	Length in place
42	20	9	8	104	Broke off			7.0	13.0"
43	18	10	9	151	21	28	1⅛	2.6	16.6
44	16	10	9	135	21	28	1	2.6	13.6
45	18	9½	8	119	21	28	1½	2.6	15.6
47	16	10½	9½	117	21	28	1¼	2.6	13.6
48	16	11	10	152	21	28	1	2.6	13.6
50	16	10	9½	106	21	28	1½	2.6	13.6
49	16	10½	9½	123	21	28	1¼	2.6	13.6

11

No	Length	Diameter Butt	Tip	Total no. Blows	Average Drop	Last 5 blows Set per blow	as Penetra	Long Pile Cut off	Length in place
73	16	9½	8½	57		20	1½		15 1/3
76	16	10	9	55		21	2		14
75	16	9½	8½	51		21	1 3/8		14
74	Driven during my absence by permission								
1	24	10	8½	121		20	½		17
3	23	10½	9	124		21	½	2	16½
4	22	11	10	not here				6½	
2	25	11	9½	124		20	½		16½
5	16	10	9	57	20	25	1		15¼
6	16	9	8½	52	20	25	1		15¼
7	16	9	8	48	20	26	7/8		15
8	16	9	8	54	20	26	1		15
9	16	10	9	52	20	26	7/8		14½
10	16	10	9	58	20	26	7/8		14½
11	16	9	8½	56	20	26	3/4		14½
12	16	9½	8½	62	20	26	3/4		14½
13	16	10	9	62	20	26	3/4		14
14	16	10	9	68	20	26	3/4		14
15	16	10	9	61	20	26	3/4		14
16	16	10	9	49	20	26	3/4		14
77	16	10	9	58	20	26	5/8		13¾
80	16	10	9	58	20	26	3/4		13¾
78	16	10	9	60	20	26	3/4		14
79	16	10	9	59	20	26	3/4		14
32	16	10	9	53	20	26	1		13¾
31	16	10	9	51	20	26	1		13¾

Continued on 2nd leaf ahead

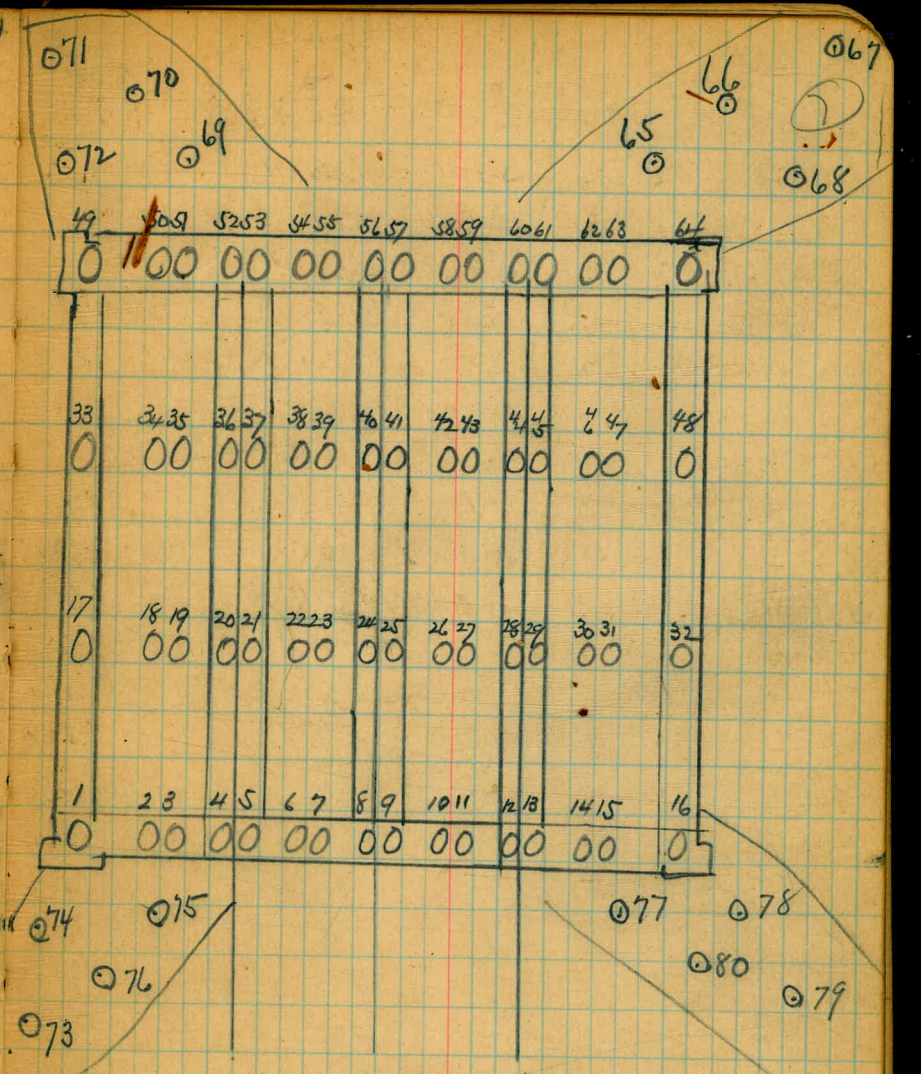


Diagram of piling, Main St. Bridge.

Hammer weight #1600

Pilings in Main Bridge (Continued)

No	Length	Butt	Tip	Total no blows	Average drop	Last 5 blows 1st drop	Last 5 blows 2nd drop	Cut off	Length in place
30	16	10	9	62	20	26	1		13 3/4
29	16	10	9	53	20	26	1		13 3/4
28	16	10	9	62	20	26	7/8		13 3/4
27	16	10	9	64	20	26	3/4		13 3/4
26	16	11	10	61	20	25	3/4		13 3/4
25	16	11	10	57	20	25	3/4		13 3/4
24	16	11	10	58	20	25	3/4		13 3/4
23	16	11	10		20	25	3/4		13 3/4
22	16	10	9	59	20	25	3/4		13 3/4
21	16	9	8	48	20	25	3/4		13 3/4
20	16	11	10	56	20	25	1/2		13 3/4
19	16	11	10	54	20	25	3/4		13 3/4
18	16	11	10	52	20	25	1/2		13 3/4
17	16	11	10	53	20	25	5/8		13 3/4
33	16	12	10	68	20	24	1/2		13 1/2
34	20	13	12	82	16	20	3/8		13 1/2
35	16	11	10	51	20	24	1/2		13 1/2
36	16	10	9	48	20	24	1/2		13 1/2
37	16	10	9	54	20	25	3/4		13 1/2
38	16	10	9	56	20	25	3/4		13 1/2
39	16	10	9	62	20	25	3/4		13 1/2
40	16	11	10	65	20	25	3/4		13 1/2
41	20	14	12	78	16	20	1/2		13 1/2
42	16	11	10	57	20	25	3/4		13 1/2
43	16	10	9	54	20	25	1/2		13 1/2
44	16	11	10	51	20	25	3/4		13 1/2

No	Length	Butt	Tip	Total no blows	Average drop	Last 5 blows 1st drop	Last 5 blows 2nd drop	Cut off	Length in place
45	16	9	8	42	20	25	3/4		13 1/2
46	16	11	10	58	20	25	1/2		13 1/2
47	16	11	10	49	20	25	3/4		13 1/2
48	16	11	10	68	20	25	3/4		13 1/2
58	16	10	9	62	20	25	1/2		13 1/2
59	16	10	9	67	20	25	5/8		13 1/2
60	16	9	8	41	20	25	3/4		13 1/2
61	16	11	10	63	20	25	5/8		13 1/2
62	16	12	11	68	20	25	1/2		13 1/2
63	16	11	10	61	20	25	3/4		13 1/2
64	16	11	10	58	20	25	3/4		13
65	16	10	9	48	20	25	3/4		12 1/2
66	16	9	8	42	20	25	7/8		12 1/2
67	16	9	8	46	20	24	7/8		12 1/2
68	16	11	10	52	20	25	3/4		12 1/2
57	16	10	9	52	20	25	3/4		13 1/2
56	16	9	8	48	20	25	3/4		13 3/4
55	16	10	9	49	20	25	5/8		13 3/4
54	16	10	9	52	20	25	5/8		13 3/4
53	16	11	10	71	20	25	5/8		13 3/4
52	16	11	10	63	20	25	1/2		14
51	16	9	8	49	20	24	3/4		14
50	16	10	9	52	20	24	3/4		14
49	16	10	9	54	20	24	3/4		14
69	16	10	9	52	20	24	3/4		13 3/4
70	16	10	9	50	20	24	3/4		13 3/4
72	16	10	9	49	20	24	3/4		13 3/4
71	16	10	9	47	20	24	3/4		13 3/4

Jan 26-15

Roll #1

Films 5 - Washout S. approach Escondido
" 6 " N " "

Roll #2

Film #1 - Showing N. approach to Mission
land washed out av. depth 3 to 6 ft.
#2 - Old Mission Bridge - showing
#3 - City Pump House #2 -
#4 - Pump Ho #4 washed out
#5 - ½ mile East ~~City~~ Miss. Valley Pump
wash from point of camera to brush
between two Mtn. in background
directly south of pump Sta #6
#6 - Roof of house which was washed
is in background — 4 or 5 room

Bridge
" Emb. approach washed out for 250'

Bridge washed out - also 10 acres

washed out field - 3 acres in foreground
Toppled & half slid into river
- See discharge pipe to right of standpipe
& Sta - Washout on S. Bank 6 ft deep
in distance - (on line with saddle
) - alfalfa field - deep black loam soil
which is washed out
cut from east of Pump Sta #10 which
bungalow.

Jan 26

Robb #3

Film #7 - View from east window compare with picture taken

#8 Washout east of Miss Valley transmission line Rd

#9 - 1/2 Mile West M.V.P. Sta - Silt - wash on

#10 - Miss Valley School house -

#11 " " " " -

- N. Side Miss Valley Pump Sta. to

from same place Jan 17

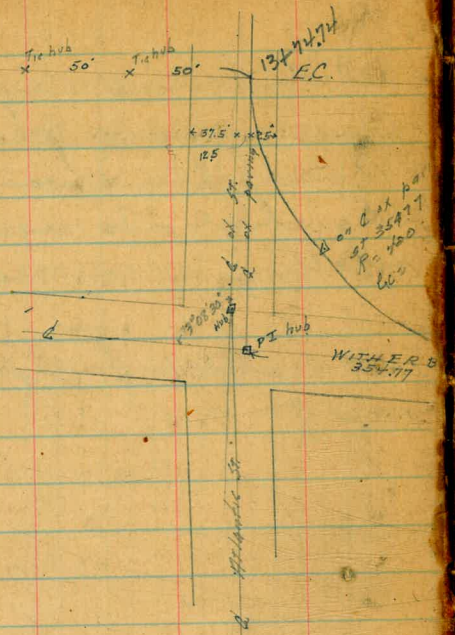
Pump Sta + wash on - To left of channel - To right alfalfa field

alfalfa field covered with sand and

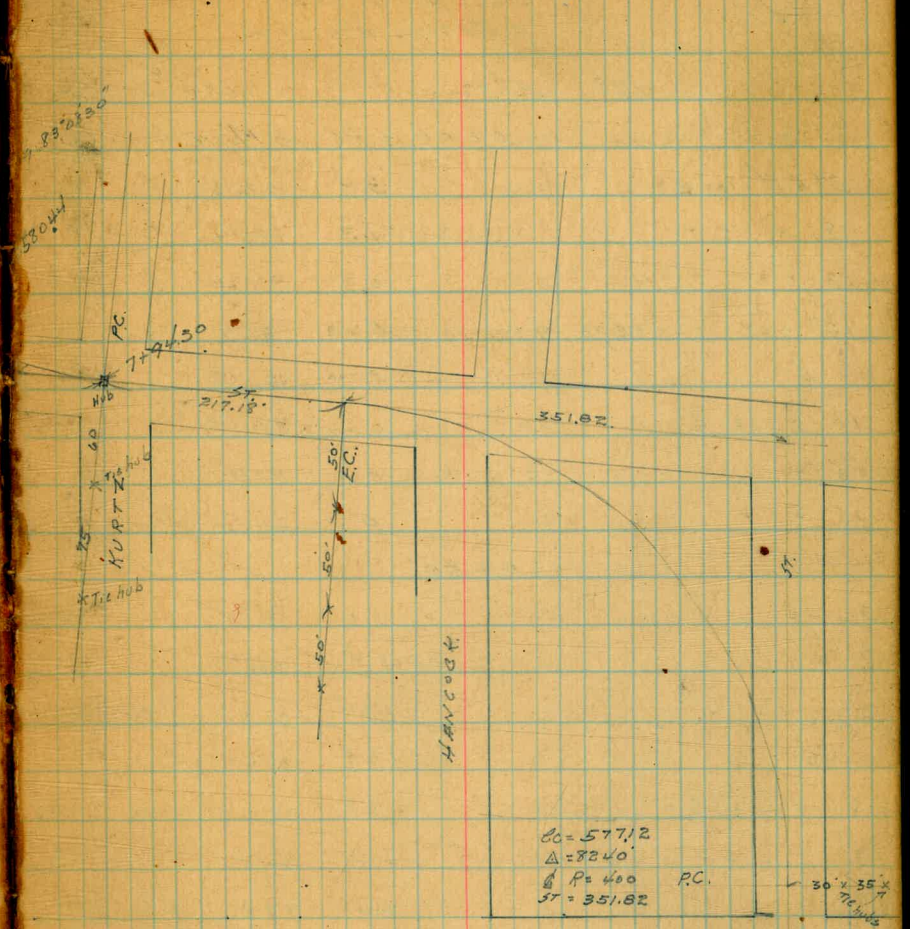
east of alfalfa field wash on

west of " " " " farmyard

Survey of TIDE ST



CUTOFF



10/22/23

X section ox Tide St
Cut ox X as shown on
preceding page.
distances are on ℄

498 31.72 26.74 W Tie hub at Coats

0+00 = P.C. on Moore N. ox Coats

37.5' W ox ℄	3.4	28.3	
18 " " "	1.3	30.4	
13 " " "	0.3	31.4	
10 " " " = edge ox paving	0.20	31.5	
℄	0.14	31.58	
10' E ox ℄	0.21	31.47	
13 " " "	0.3	31.4	
18 " " "	0.0	31.7	
0+50'			
23 " " "	1.0	30.7	
18 " " "	1.4	30.3	
13.6 " " "	.134	30.38	E.L. old paving
℄	1.24	30.48	
6.8 W of ℄	1.28	30.44	WL " "
13 " "	1.0	30.7	
18 " "	2.0	29.7	
37.5 " "	4.9	26.8	
1+00			
37.5 " "	6.1	25.6	
20 " "	4.9	26.8	
18 " "	4.2	27.5	
13 " "	3.4	28.3	
5	2.1	28.6	
℄	2.3	29.4	
2.5 E of ℄	2.31	29.41	WL old Paving

13 E of ℄	2.26	29.46	
18 " "	2.31	29.41	
23.5 " "	2.43	29.29	EL old paving
30 " "	2.40	29.32	
1+50			
37.5 " "	3.5	28.2	
19.1 " "	3.47	28.25	WL old paving
18 " "	3.3	28.4	
13 " "	3.4	28.3	
℄	4.7	27.0	
13 W of ℄	5.9	25.8	
18 " "	6.2	26.5	
37.5 " "	8.5	23.2	
2+00			
37.5 " "	10.7	21.3	
18 " "	8.8	22.9	
13 " "	8.4	23.3	
℄ "	7.2	24.5	
13 E of ℄	5.7	26.0	
18 " "	5.3	26.4	
37.5 " "	4.8	26.9	
2+50			
37.5 " "	7.3	24.4	
18 " "	8.5	23.2	
13 " "	9.1	22.6	
℄	9.6	22.1	
13 W of ℄	10.3	21.4	
18 " "	10.9	20.8	

31.72

37.5 W of ℄		11.8	19.9
	3+00		
37.5 " "		14.1	17.6
18 " "		13.6	18.1
13 " "		13.3	18.4
℄		13.1	18.6
13 E of ℄		12.6	19.1
18 " "		12.3	19.4
37.5 " "		11.7	20.0
	3+50		
37.5 " "		14.2	17.5
18 " "		14.7	17.0
13 " "		14.7	17.0
℄		15.0	16.7
13 W of ℄		15.6	16.1
18 " "		15.7	16.0
37.5 " "		16.2	15.5
T.P.	015	19.26	12.61	19.11
	4+00		
37.5 W of ℄		5.7	13.6
18' " "		5.4	13.9
13' " "		5.3	14.0
℄		5.1	14.2
13' E of ℄		4.8	14.5
18' " "		4.6	14.7
37.5 " "		4.4	14.9

TIDE 14

1926

	4+50		
37.5' E of ℄		7.4	11.9
18' " "		7.4	11.9
13' " "		7.3	12.0
℄		7.3	12.0
13' W of ℄		7.2	12.1
18' " "		7.3	12.0
37.5' " "		7.4	11.9
	5+00		
37.5' W of ℄		9.2	10.1
18' " "		9.1	10.2
13' " "		9.1	10.2
℄		9.2	10.1
13' E of ℄		9.3	10.0
18' " "		9.2	10.1
37.5' " "		10.2	9.1
	5+12		
37.5' E of ℄		9.4	9.9
18' " "		9.7	9.6
13' " "		9.6	9.7
℄		9.8	9.5
13' W of ℄		10.3	9.6
18' " "		10.0	9.3
37.5' " "		9.5	9.8
	5+22		
37.5' W of ℄		10.3	9.0
30' " "		10.4	8.9
18' " "		11.9	7.4

1926

873/1053 ← Mon on Hy

13' W. of ℄			11.8	7.5
℄			11.8	7.5
13' E of ℄			12.4	6.9
18' " "			12.4	6.9
25 " "			12.4	6.9
37.5' " "			10.7	8.6
T.P.	7.35	11.20	10.41	8.85
		5+29		
37.5 E of ℄			6.3	4.9
25 " "			6.5	4.7
18' " "			5.8	5.4
13' " "			5.6	5.6
℄			5.1	6.1
13' W of ℄			5.0	6.2
18' " "			4.2	7.0
37.5' " "			2.8	8.4
		5+50		
37.5' W of ℄			5.3	5.9
18' " "			6.3	4.9
13' " "			7.7	3.5
10' " "			8.6	2.6
7' " "	on Water Main		8.0	3.2
℄			7.8	3.4
13' E of ℄			8.2	3.0
18' " "			8.5	2.7
37.5' " "			9.2	2.0

7.5

TIDE

15

11.20

5+77.12 = E.C.

37.5' E of ℄	9.7	1.5
18' " "	10.5	0.7
13' " "	10.0	1.2
℄	10.0	1.2
13' W of ℄	10.1	1.1
18' " "	10.0	1.2
37.5' " "	8.3	2.9
6+00		
37.5' W of ℄	10.4	0.8
18' " "	10.4	0.8
13' " "	10.1	1.1
℄	10.0	1.2
13' E of ℄	10.0	1.2
18' " "	10.0	1.2
37.5' " "	10.0	1.2
6+27.0		
37.5' E of ℄	9.7	1.5
18' " "	10.3	0.9
13' " "	10.3	0.9
℄	10.2	1.0
13' W of ℄	10.4	0.8
18' " "	10.4	0.8
37.5' " "	10.7	0.5
6+32		
37.5' W of ℄	8.0	3.2
18' " "	8.2	3.6
13' " "	8.2	3.0

11.20

℄	9.0	2.2
13' E of ℄	9.0	2.2
18' " "	9.4	1.8
37.5 " "	9.2	2.0
6+40.5		
37.5 E of ℄	3.8	7.4
18' " "	3.2	8.0
13' " "	3.0	8.2
℄	3.1	8.1
13' W of ℄	2.6	8.6
18' " "	2.4	8.8
37.5' " "	2.4	8.8
6+46 = S. edge of dump		
37.5 W of ℄	1.2	10.0
18' " "	1.2	10.0
13' " "	1.2	10.0
℄	1.2	10.0
13' E of ℄	1.1	10.1
18' " "	1.1	10.1
37.5' " "	1.1	10.1
6+52.02 = ℄ of Santa Fe.		
37.5' E of ℄ = 3 rail	0.59	10.61
37.5' " " N. "	0.42	10.78
37.5 W " " S. "	0.71	10.49
37.5' " " N. "	0.54	10.66

11.20 16

6+59.5 = N. edge of dump

37.5' W of ℄	1.3	9.9
18' " "	1.2	10.0
13' " "	1.2	10.0
℄	1.0	10.2
13' E of ℄	1.2	10.0
18' " "	1.2	10.0
37.5' " "	1.1	10.1
6+70		
37.5 E of ℄	6.0	5.2
18' " "	7.4	3.8
13' " "	7.4	3.8
℄	7.8	3.4
13' W of ℄	8.0	3.2
18' " "	8.0	3.2
37.5' " "	9.2	2.2
6+75		
37.5 W of ℄	10.6	0.6
18' " "	9.7	1.5
13' " "	9.5	1.7
℄	9.3	1.9
13' E of ℄	8.8	2.4
18' " "	8.8	2.4
37.5' " "	7.6	3.6
7+00		
37.5' E of ℄	6.2	5.0
18' " "	6.7	4.5
13' " "	6.8	4.4

11.20

℄		7.6	3.6
13' W of ℄		8.0	3.2
18' " "		8.2	3.0
37.5 " "		9.5	1.7
	7+09.0		
37.5' W of ℄		6.6	4.6
18' " "		4.9	6.3
13' " "		4.4	6.8
℄		4.2	7.0
13' E of ℄		4.6	6.6
18' " "		4.6	6.6
37.5' " "		4.3	6.9
	7+53.0		
37.5 E of ℄		5.6	5.6
18' " "		5.6	5.6
13' " "		5.7	5.5
℄		5.8	5.4
13' W of ℄		5.5	5.7
18' " "		5.8	5.4
37.5' " "		6.0	5.2
	7+58.0		
37.5' W of ℄		7.1	4.1
18' " "		6.5	4.7
13' " "		6.5	4.7
℄		6.0	5.2
13' E of ℄		6.1	5.1
18' " "		6.0	5.2
37.5' " "		5.8	5.4

11.2

17

	7+65.0			
37.5 E of ℄		7.2	4.0	
18' " "		7.1	4.1	
13' " "		7.1	4.1	
℄		7.2	4.0	
13' W of ℄		7.2	4.0	
18' " "		7.2	4.0	
37.5' " "		7.3	3.9	
	7+94.30 = P.C.			
37.5' W of ℄		8.0	3.2	
18' " "		7.6	3.6	
13' " "		7.6	3.6	
℄		7.6	3.6	
13' E of ℄		7.6	3.6	
18' " "		7.6	3.6	
37.5' " "		7.7	3.5	
T.P. 7+00	4.91	8.29	2.91	SW. 7' Mon Kurtz + With.
	8+50'			
37.5' E of ℄		2.2	2.7	
18' " "		2.9	2.6	
13' " "		2.8	2.1	
℄		3.0	1.9	
13' W of ℄		3.0	1.9	
18' " "		3.0	1.9	
37' " "		3.3	1.6	
37.5' " "		5.3	-0.4	

	9+00		
37.5 W. of ℄		3.8	1.1
18' " "		3.8	1.1
13 " "		3.8	1.1
℄		3.8	1.1
13' E of ℄		3.6	1.3
18' " "		3.8	1.1
37.5' " "		3.1	1.8
	9+50		
37.5' E of ℄		1.8	3.1
18' " "		2.8	2.1
13' " "		3.0	1.9
℄		4.6	0.3
13' W. of ℄		5.1	-0.2
18' " "		5.5	-0.6
37.5 " "		5.6	-0.7
	10+00		
37.5' W of ℄		5.2	-0.3
18' " "		4.6	+0.3
13' " "		4.6	0.3
℄		3.9	1.0
13' E of ℄		3.8	1.1
18' " "		3.9	1.0
37.5 " "		3.5	1.4
	10+20		
37.5' E of ℄		3.0	1.9
18' " "		3.6	1.3
13 " "		4.1	0.8
℄			
13' W of ℄		4.7	0.2
18' " "		4.9	0.0
37.5 " "		4.8	0.1
		5.8	-0.9
	10+50		
37.5' W of ℄		7.7	-2.8
18' " "		7.5	-2.6
13' " "		7.5	-2.6
℄		7.2	-2.3
13' E of ℄		6.4	-1.5
18' " "		5.8	-0.9
37.5 " "		4.6	+0.3
	10+60		
37.5 E of ℄		6.3	-1.4
18' " "		7.1	-2.2
13 " "		7.2	-2.3
℄		7.5	-2.6
13' W of ℄		7.7	-2.8
18' " "		7.7	-2.8
37.5 " "		7.8	-2.9
	11+00		
37.5' W of ℄		7.9	-3.0
18' " "		7.8	-2.9
13' " "		7.8	-2.9
℄		7.7	-2.8
13' E of ℄		7.6	-2.7
18' " "		7.6	-2.7
37.5 " "		7.7	-2.8

4.97

11+29		
37.5 E of ℄	7.7	−2.8
18 " "	7.8	−2.9
13 " "	7.8	−2.9
℄	7.6	−2.7
13 W of ℄	7.4	−2.5
18 " "	7.2	−2.3
25 " "	5.0	−0.1
37.5 " "	5.0	−0.1
11+40		
37.5 W of ℄	6.2	−1.3
25 " "	4.8	+0.1
18 " "	4.9	0.0
13 " "	4.9	0.0
8 " "	4.8	+0.1
℄	7.0	−2.1
13 E of ℄	7.7	−2.8
18 " "	7.7	−2.8
37.5 " "	7.7	−2.8
11+45		
37.5 E of ℄	7.7	−2.8
18 " "	7.6	−2.7
13 " "	7.2	−2.3
7 " "	6.8	−1.9
℄	5.0	−0.1
13 W of ℄	4.9	0.0
18 " "	4.9	0.0
37.5 " "	6.8	−1.9

TIDE ST.

19

11+55		
37.5 W of ℄	6.5	−1.6
18 " "	6.7	−1.8
13 " "	6.4	−1.5
8 " "	5.1	−0.2
℄	5.1	−0.2
13 E of ℄	5.1	−0.2
18 " "	6.9	−2.0
37.5 " "	7.7	−2.8
11+59		
37.5	7.7	−2.8
25 E of ℄	7.1	−2.2
18 " "	5.5	−0.6
13 " "	5.1	−0.2
℄	5.1	−0.2
4 W of ℄	5.2	−0.3
9 " "	6.5	−1.6
13 " "	6.8	−1.7
18 " "	6.8	−1.9
37.5 " "	6.6	−1.7
11+75.0		
37.5 W of ℄	7.0	−2.1
18 " "	7.0	−2.1
13 " "	7.0	−2.1
℄	7.0	−2.1
10 E of ℄	6.8	−1.9
13 " "	6.1	−1.2
18 " "	5.1	−0.2
37.5 " "	5.3	−0.4

4.91

11+80

37.5 E o x ℄	5.3	-0.4
24 " "	5.2	-0.3
18 " "	6.7	-1.8
13 " "	6.9	-1.8
℄	7.1	-2.2
13' W o x ℄	7.0	-2.1
18' " "	7.0	-2.1
37.5 " "	7.1	-2.2
12+00		
37.5' W o x ℄	7.3	-2.4
18' " "	7.3	-2.4
13' " "	7.3	-2.4
℄	7.4	-2.5
13' E o x ℄	7.4	-2.5
18' " "	7.3	-2.4
37.5 " "	7.1	-2.2
12+50		
37.5 E o x ℄	7.4	-2.5
18 " "	7.6	-2.6
13 " "	7.6	-2.6
℄	7.3	-2.4
13' W o x ℄	7.3	-2.4
18' " "	7.3	-2.4
37.5 " "	7.3	-2.4
13+00		
37.5 W o x ℄	7.6	-2.7
18' " "	7.7	-2.8
13' " "	7.7	-2.8

℄	7.8	-2.9
13' E o x ℄	8.0	-3.1
18' " "	8.0	-3.1
37.5 " "	8.0	-3.1
13+43		
37.5' E o x ℄	7.9	-3.0
18' " "	7.9	-3.0
13' " "	7.9	-3.0
℄	7.8	-2.9
13' W o x ℄	7.6	-2.8
18' " "	7.6	-2.8
37.5 " "	6.3	-1.4
13+45		
37.5' W o x ℄	6.3	-1.4
18' " "	6.5	-1.6
13' " "	6.5	-1.6
℄	7.8	-2.9
13' E o x ℄	7.9	-3.0
18' " "	7.9	-3.0
37.5 " "	7.9	-3.0
13+59		
37.5' E o x ℄	8.0	-3.1
18' " "	8.0	-3.1
13' " "	7.1	-2.2
℄	7.5	-2.6
13' W o x ℄	7.0	-2.1
18' " "	7.0	-2.1
37.5 " "	6.3	-1.4

13+62.0

37.5' W of ℄	6.3	-1.4
18' " "	6.9	-2.0
13' " "	7.0	-2.1
℄	7.4	-2.5
13' E of ℄	7.0	-2.1
18' " "	6.9	-2.0
20' " "	8.0	-3.1
37.5' " "	8.0	-3.1

13+74.74 = E.C.

37.5' E of ℄	8.0	-3.1
28' " "	7.9	-3.0
18' " "	7.1	-2.2
13' " "	7.2	-2.3
℄	7.1	-2.2
13' W of ℄	7.2	-2.3
18' " "	7.1	-2.2
28' " "	6.4	-1.5
37.5' " "	6.6	-1.7
T.P. 5.80 3.58	7.13	-2.22 on ℄ hub

14+00

25' W of ℄	5.0	-1.4
13' " "	5.7	-2.1
℄	5.9	-2.3
13' E of ℄	5.6	-2.0
25' " "	5.9	-2.3

14+50

25' E of ℄	5.6 -2.0
13' " "	5.7 -2.1
℄	5.6 -2.0
13' W of ℄	5.6 -2.0
25' " "	5.7 -2.1

15+00

25' W of ℄	5.5 -2.2
13' " "	5.6 -2.0
℄	5.7 -2.1
13' E of ℄	5.6 -1.9
25' " "	5.5 -1.9

15+50

25' E of ℄	5.5 -1.9
13' " "	5.4 -1.8
℄	5.5 -1.9
13' W of ℄	5.3 -1.7
25' " "	5.1 -1.5

16+00

25' W of ℄	5.0 -1.4
13' " "	4.8 -1.2
℄	5.2 -1.4
13' E of ℄	5.3 -1.7
25' " "	5.1 -1.5

16+50

26' E of ℄	5.1 -1.5
13' " "	4.8 -1.2
℄	4.7 -1.1

35-8

13' W of ℄	4.8	-1.2
25 " " "	4.7	-1.1
	17+00	
25' W of ℄	4.7	-1.1
13 " " "	4.5	-0.9
℄	4.5	-0.9
13 E of ℄	4.6	-1.0
25 " " "	4.6	-1.0
	17+50	
25' E of ℄	4.6	-1.0
13 " " "	4.6	-1.0
℄	4.8	-1.2
13' W of ℄	4.7	-1.1
25 " " "	4.7	-1.1
36 " " "	4.7	-1.1
	17+80	
40' W of ℄	4.6	-1.0
25 " " "	4.4	-0.8
13 " " "	4.5	-0.9
℄	4.3	-0.7
10' E of ℄	2.1	+1.5
13 " " "	2.1	+1.5
25 " " "	2.4	+1.2
	17+92	
25' E of ℄ on paving	2.80	+0.8
17.5 " " " = gutter	2.9	1.07
17.5 " " " = curb	2.44	+1.14
13 " " "	2.2	1.4

2

℄	1.8	+1.8
8' W of ℄	4.4	-0.8
13 " " "	4.4	-0.8
25 " " "	4.4	-0.8
45 " " "	4.4	-0.8
	18+09.6± = 3 curb of Tido	
45' W of ℄	4.3	-0.7
23 " " "	4.1	-0.5
19 " " "	1.9	+1.7
13 " " "	2.1	+1.5
℄ on curb	2.44	+1.14
	18+38.6	
44' W of ℄ = 6' from Pueblo Cor.	2.1	+1.5
30 " " " = 5 curb	2.37	+1.23
30± " " " 3 gutter	2.89	+0.9

12/31/22

CROSS SECTION OF COAST BLVD. SOUTH

Xrom S. End ox Blk 34 to North End ox Blk 34 La Jolla Park.

Distances are measured on the east line ox Blk 34. and distances on sections are given xrom the east line ox Blk 34

714	23.99		16.85	Spk in bolt Coast Blk opp Blk 16
910	31.09	-7.00	21.99	

13.20 S. ox Sec. A

on cement Cb 9' xrom WL Coast Blvd bnd

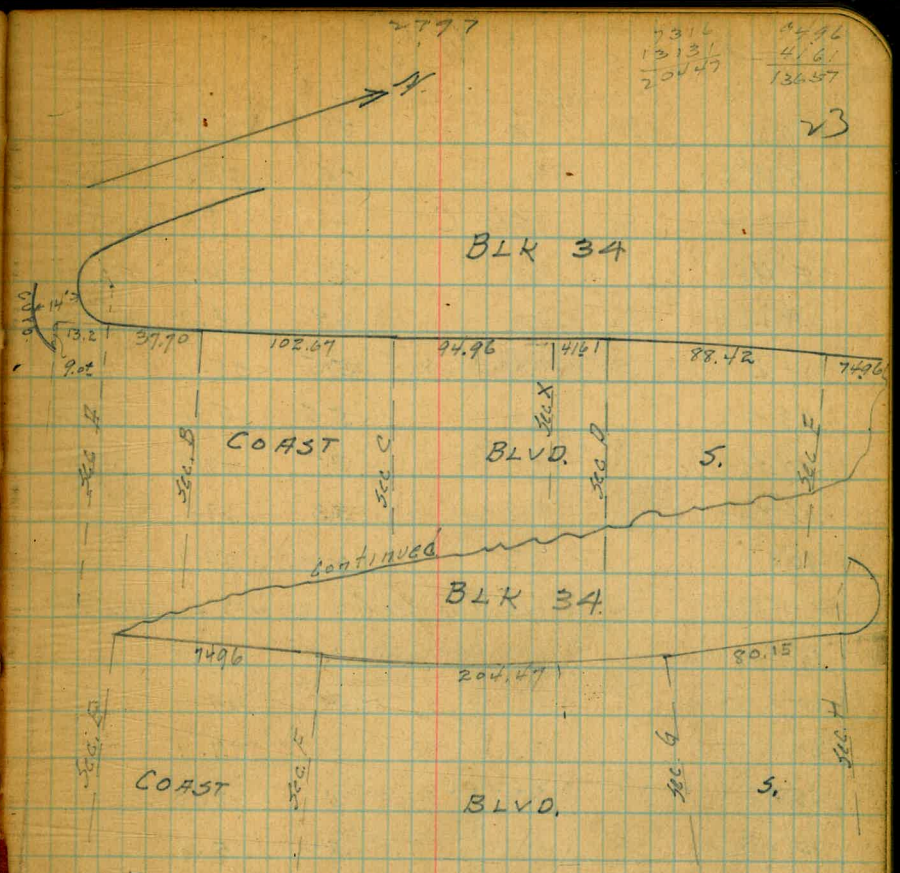
	South	
	10.4	20.7
16' E	10.0	21.1
17'	11.4	19.7
30'	11.0	20.1
40'	9.8	21.3
59'	10.0	21.1
75'	9.3	21.8
79'	8.7	22.4
80'	6.6	24.5

Sec. A.

80' E ox W.L.	7.0	24.1
78'	8.3	22.8
68'	9.8	21.3
40'	9.6	21.5
30'	10.5	20.6
20'	11.0	20.1
18'	9.5	21.6
W.L.	10.6	20.5

Sec. B.

-5	9.6	21.5
W.L.	9.5	21.6



23' E	8.5	22.6
24'	9.8	21.3
32'	9.6	21.5
40'	8.7	22.4
62'	8.3	22.8
74'	6.8	24.3
80'	9.5	21.6

51.33 N. ox Sec B

80 E ox WL	4.3	26.8
60	5.6	25.5
40	6.2	24.9
15'	7.0	24.1

31.09

W.L.	7.8	23.3
5' W	7.9	23.2
Sec. C.		
5' W	7.2	23.9
W.L.	6.9	24.2
14' E	5.5	25.6
23' "	5.5	25.6
40' "	3.7	27.4
65' "	3.3	27.8
80' "	2.2	28.9
18' N. of Sec C. = opp ox S L. La Salle Blvd.		
80' E of W L	1.6	29.5
50' " " "	3.7	27.4
32' " " "	4.0	27.1
23' " " "	5.1	26.0
14' " " "	5.2	25.9
W L	6.5	24.6
5' W	6.6	24.5
50' N. of Sec. C.		
5' W	6.1	25.0
W.L.	5.7	25.4
6' E of W.L.	4.8	26.3
35' " " "	4.3	26.8
60' " " "	3.2	27.9
80' " " "	1.6	29.5
55' N. of Sec C.		
80' E. of W L	0.1	31.0
70' " " "	1.2	29.9

45' E. of W L.	2.8	28.3
35' " " "	4.1	27.0
7' " " "	4.5	26.6
W L.	5.5	25.6
5' W	5.8	25.3
81' N. of Sec. C		
5' W	5.8	25.3
W.L.	5.3	25.3
8' E	4.4	26.7
32' "	3.6	27.5
80' "	0.4	30.7
Sec X		
80' E	0.0	31.1
52' "	1.3	29.8
25' "	3.8	27.3
10' "	4.0	27.1
W.L.	5.1	26.0
5' W	5.4	25.7
41.61' N. of Sec. X = Sec D.		
T.P. 10.50 37.49	4.10	26.99
5' W	10.9	26.6
W.L.	10.5	27.0
9' E	9.7	27.8
23' "	9.5	28.0
45' "	7.8	29.7
80' "	5.4	32.1

25' N. of Sec. D

80' E of W.L.	4.4	33.1
77' " " "	5.2	32.3
62' " " "	6.4	31.1
50' " " "	6.2	31.3
31' " " "	7.7	29.8
26' " " "	8.6	28.9
13' " " "	9.4	28.1
7' " " "	9.2	28.3
W.L.	10.0	27.5
5' W	10.4	27.1

55' N. of D.

5' W	9.6	27.9
W.L.	9.1	28.4
20' E	8.5	29.0
27' "	8.1	29.4
36' "	7.3	30.2
60' "	5.6	31.9
78' "	4.3	33.2
80' "	4.3	33.2

Sec. E

80' E of W.L.	3.7	33.8
57' " " "	5.1	32.4
35' " " "	6.9	30.6
20' " " "	7.7	29.8
W.L.	8.8	28.7
5' W	9.1	28.4

50' N. of Sec. E

5' W. of W.L.	8.3	29.2
W.L.	7.8	29.7
20' E	6.4	31.1
40' "	5.2	32.3
55' "	4.6	32.9
80' "	2.5	35.0

Sec. F

80' E of W.L.	2.1	35.4
65' " " "	3.2	34.3
50' " " "	4.5	33.0
48' " " "	4.2	33.3
25' " " "	5.9	31.6
W.L.	7.6	29.9
5' W	7.9	29.6

30' N. of F.

W.L.	7.0	30.5
20' E	5.7	31.8
40' "	4.5	33.0
60' "	3.5	34.0
78.8' to fence	1.8	35.7

50' N. of F

78.5 to fence	1.1	36.4
57' E	3.4	34.1
40' "	4.2	33.3
17' "	4.8	32.7
W.L.	6.4	31.1

37.49

70' N. of F

W.L	6.7	30.8
20' E	5.4	32.1
40' "	4.1	33.4
60' "	2.8	34.7
80' "	1.3	36.2

120' N. of F

85' E of W.L.	0.2	37.3
80' " " "	0.5	37.0
60' " " "	2.6	34.9
40' " " "	3.4	34.1
20' " " "	4.9	32.6
W.L	6.3	31.2

163 N. of F = End of Curb + Walk on W.

W.L.	5.5	32.0
14' E = on cement Cb.	5.20	32.3
30' "	3.9	33.6
50' "	2.4	35.1
70' "	1.2	36.3
80' "	0.2	37.3
85' "	0.0	37.5

Sec. G.

85 E	0.1	37.4
80' "	0.5	37.0
70' "	0.6	36.9
50' "	2.4	35.1
20' "	4.6	32.9
14' " = gutter	5.6	31.9

14' on cement Cb.		5.08	32.14
TP	6.91	4.91	32.58

30' N. of G.

14' E = cement Cb	6.88	32.6
14' " = gutter	7.6	31.9
25' "	6.1	33.4
30' "	5.5	34.0
45' "	4.8	34.7
60' "	3.9	35.6
80' "	2.6	36.9
85' "	2.4	36.1

60' N. of G

85 E of W.L.	2.0	37.5
80' "	3.5	36.0
64' "	4.7	34.8
60' "	3.6	35.9
45' "	4.4	35.1
35' "	5.5	34.0
25' "	6.1	33.4
14' " = gutter	7.6	31.9
14' E on cement,	6.78	32.7

Sec. H

14' E = curb	6.87	32.6
14' " = gutter	7.7	31.8
30' "	6.0	33.5
45' "	6.1	33.4
60' "	6.1	33.4
80' "	3.9	35.6

		39+9			
83' E			3.5	36.0	
		20' N. o X. H.			
81.3 E o X W.L. = wall			4.7	34.8	
70 ✓ ✓ ✓ ✓ ,			5.4	34.1	
63 ✓			6.4	33.1	
45 ✓			6.7	32.8	
30 ✓			6.7	32.8	
14 ✓			7.3	32.2	
T.P.	12.45	51.89	0.05	39.41	
			1.22	50.67	ckd B.M. 50.51 Courier Const Bud

51.94
39

3/31/21 Gregory. CROSS SECTION OF ALLEY BLK. 3 MISSION HILLS 15' ALLEY
bet Altamira and Altura
from Sierra Vista to Hermosa

Plotted E.L. Sierra Vista

	7.00	284.49	277.49	3W. Altamira +5.V.
N		7.46	277.03	on curb
C		7.78	276.71	gutter
S		7.55	276.94	on curb
	13' E			
S		5.8	278.69	
+4		6.4	278.09	
C		6.2	278.29	
+3.5		5.9	278.59	
N		5.5	278.99	
	35 E			
N		5.0	279.49	
C		5.4	279.09	
S		5.1	279.39	
	77' E			
S		3.5	280.99	
C		3.8	280.69	
N		3.6	280.89	
	100' E			
N		3.7	280.79	
C		4.0	280.49	
S		4.3	280.19	
	135' E			
-3 = front garage		5.35	279.14	
S = edge cement apron		5.50	278.99	
C		5.9	278.59	
N		5.3	279.19	
+4 = Mastland apron on N		4.87	279.62	

3/31/21 28

TP 453	283.23	5.79	278.70
	160' E		
-4 = East End apron, on N		3.96	279.27
N		4.5	278.73
C		4.6	278.63
+5		5.1	278.13
S		5.5	277.73
	185' E		
S		5.8	277.43
C		5.8	277.43
+3.5		5.9	277.33
N		4.8	278.43
	205' E		
N		6.2	277.03
C		6.3	276.93
S		6.5	276.73
	212' E		
26' N. of N.L. = edge apron		6.14	277.09
	245' E		
S		6.0	277.23
C		6.6	276.63
N		7.1	276.13
	260' E		
N		6.0	277.23
+3.5		7.1	276.13
C		7.2	276.03
S		7.5	275.73

			275' E
S		8.1	275.13
+3.5		9.1	274.13
C		8.6	274.63
N		7.7	275.53
	275.6' E on S 235.72 " N		
N on curb		10.34	277.89
C (on dirt)		10.3	277.93
S = on curb		10.74	277.49

4/1/24
Moore

Cross Section of Alley 20' wide
Blk 5 Watkins + Bidle

2.31 287.39 285.08 NW BP 30th & Juniper

El Fern = 0+00

N Alley Return	4.66	282.73 ✓
C	4.8	282.59 ✓
S " "	4.75	282.64 ✓
45' E		
S edge of conc. walk	5.30	281.99 ✓
C	5.3	281.99 ✓
N	5.40	281.90 ✓
47' E		
N	5.40	281.90 ✓
C	5.3	281.99 ✓
+7	5.40	281.90 ✓
S	6.3	281.00 ✓
88' E		
S W end of house 0.8 in Alley	6.3	281.00 ✓
+5	5.8	281.60 ✓
C	5.7	281.70 ✓
N	6.1	281.30 ✓
123' E		
N	6.0	281.40 ✓
C	6.0	281.40 ✓
S E end of same house 0.8' in alley	6.6	280.80 ✓
165.5' E		
S	6.5	280.90 ✓
C	6.4	281.00 ✓
+6.5 Center of 2'x2' catch basin with Iron grating	6.40	281.00 ✓

287.39

30

N	6.3	281.09 ✓
180' E		
S - 2' Garage dirt floor	6.67	280.72 ✓
200'		
N Fence 0.8 in alley	6.1	281.29 ✓
C	6.2	281.19 ✓
S " 1.0 " "	6.4	280.99 ✓
243' E		
S	5.7	281.69 ✓
C	5.7	281.69 ✓
N	4.90	282.49 ✓
+4 Garage conc Apron	4.91	282.48 ✓
289' E		
N	4.8	282.59 ✓
C	4.7	282.69 ✓
T.P. — 7.00 289.64	4.75	282.64
S Garage Conc Apron	7.02	282.62 ✓
+5.2 " " floor	7.02	282.62 ✓
302' E		
N Garage dirt floor 0.8 in Alley	6.65	282.99 ✓
304' E.		
S " " " 5.3 S of SL	6.76	282.88 ✓
330' E		
S	5.9	283.73 ✓
C	5.9	283.73 ✓
N Fence 0.8' in Alley	6.2	283.43 ✓
355' E		
N Garage dirt floor 0.5' in Alley	5.60	284.03 ✓

289.4

289.6

C	5.7	√83.9 ✓
S	5.7	√83.9 ✓

358' E

Wedge
S ^ Barn 0.5' in alley

370' E

S ✓ 0.3' ✓ ✓ then jogs N. 4.2' in Alley
N w.l. House 0.9' in alley

391' E

S Barn 4.0' in alley jogs S. 0.6' in alley
N El House 0.9' in alley

402' E

289.6

S El Barn 0.5' in alley	5.0	√81.6 ✓
C	4.8	√81.8 ✓
N	5.2	√81.4 ✓

N Fence 1.1' in alley

445' E

N ✓ 1.4' ✓ ✓	4.7	√84.9 ✓
C	4.3	√85.3 ✓
S	4.8	√84.8 ✓

492' E

S -2.5 Garage dirt floor	4.90	√84.7 ✓

500' E

S	4.8	√84.8 ✓
C	4.5	√85.1 ✓
N	4.5	√85.1 ✓

530' E

N	4.4	√85.4 ✓ ✓
C	4.5	√85.1 ✓

√89.6

S	4.4	√85.4 ✓ ✓

590' E

S	4.2	√85.6 ✓
C	4.1	√85.5 ✓
N	3.8	√85.8 ✓

596' E = w.l. 31-07 St

N Alley Return	4.76	√84.88 ✓
C	4.8	√84.8
S ✓ ✓	5.01	√84.67 ✓
T.P. 363 √88.36 check BM	4.91	√84.73 ✓
	5.36	√83.00 ✓

NW ED
Ivy 31-07
288.99

5/12/41

Moore

Cross Section of Alley 20' wide
Blk 3 Watkins + Biddle

	3.85	286.84	282.99

NW BP
NW + 3.85

EL 3.85 = 0+00

N Alley Return	5.98	√80.81 ✓
N Paving	6.08	√80.71 ✓
C ✓	6.41	√80.43 ✓
S ✓	6.24	√80.60 ✓
S Alley Return	6.15	√80.69 ✓
	5' E	
S	5.4	√81.4 ✓
C	5.7	√81.1 ✓
N	5.3	√81.5 ✓
	25' E	
N	4.8	√81.0 ✓
C	4.8	√81.0 ✓
S	4.8	√81.0 ✓
	55' E	
S - 2.5 Garage dirt floor	4.40	√81.4 ✓
	84' E	
S - 0.7 ✓ ✓ ✓	3.86	√81.98 ✓
	94' E	
S - 0.6 ✓ wooden ✓	3.81	√83.03 ✓
C	3.7	√83.1
N	3.70	√83.1 ✓
+ 1.8 ✓ Conc runways ✓	3.72	√83.1 ✓
	125' E	
N	3.7	√83.1 ✓
C	3.4	√83.4 ✓

√86.84

32 ✓

S	3.7	√83.1 ✓
	142' E	
S - 0.4 Garage dirt floor	3.20	√83.6 ✓
	150' E	
S	3.1	√83.7 ✓
C	3.0	√83.8 ✓
N	3.4	√83.4 ✓
	182' E	
N Garage dirt floor	3.0	√83.8 ✓
	195 E	
N - 3.0' ✓ wood ✓	2.64	√84.20 ✓
N	2.9	√83.9 ✓
C	2.8	√84.0 ✓
S ✓ ✓ ✓	2.83	√84.01 ✓
	240' E	
S Fence 0.4' in Alley	3.1	√83.7 ✓
	2.8	√84.0 ✓
T.P 3.60 287.50	2.94	283.90 ✓
N	3.5	√84.0 ✓
+ 0.5 Garage conc. floor	3.20	√84.3 ✓
	258' E	
N - 0.4 ✓ dirt ✓	3.5	√84.0 ✓
	292' E	
N + 1.8 wire fence ✓		
N	3.6	√83.9 ✓
C	3.8	√83.7 ✓
S Conc. Apron	4.03	√83.47 ✓
+3.8 Garage Conc. floor	3.90	√83.6 ✓

287.50

~~287.50~~

342' E

S - 4.0 Garage Conc floor	4.28	283.22
S " " Apron	4.50	283.0
C	4.6	282.9
+ 8.2 " dirt floor	4.65	282.85
N	4.6	282.9

360' E

N - 4.0' Garage Conc. floor	4.58	282.92
N + 1.2 " " Apron	"	

370' E

N Fence 3.8' in Alley

395' E

N " 4.3' " "

395' E

N (WL) Dwelling 2.4' in alley

N	5.0	282.5
C	5.1	282.4
	5.1	282.4

406' E

S - 2.4' Garage Wooden floor	4.5	283.0

415' E

N EL Dwelling 2.1' in Alley

N Fence 4.0' " "

450' E

~~N " 4.5 "~~

S	6.2	281.3
C	6.7	280.8
N Fence 4.5 in Alley	7.1	280.4

~~280.50~~ 280.4

TP	1.00	280.40	8.10	279.40

490' E

N	1.9	278.5
C	1.3	279.1
S	0.7	279.7

520' E

S	3.3	277.1
+5	4.3	276.1
C	4.6	275.8
N	5.8	274.6

529' E

N	6.8	273.6
E	8.3	272.1
S	5.1	275.3

535' E

S	7.4	273.0
C	8.3	272.1
+6	8.8	271.6
N	11.5	268.9
+10	13.5	266.9

538' E

-10	14.6	265.8
N	12.2	268.2
+5	12.2	268.2
C	8.6	271.8
S	7.8	272.6

3040

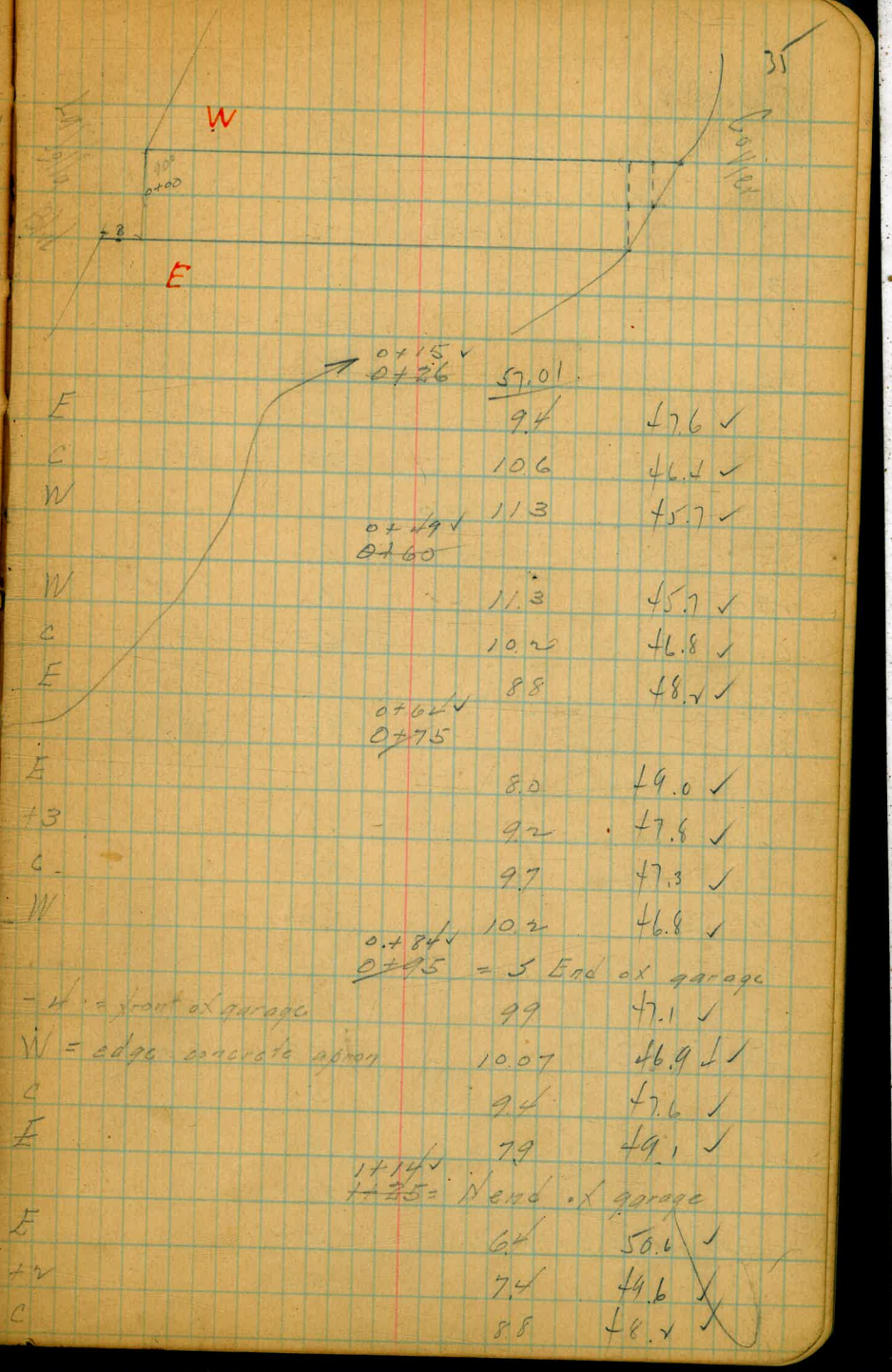
543 'E

5	7.8	√77.6 ✓
+4	7.8	√77.6 ✓
+6	10.7	√69.7 ✓
C	12.0	√68.4 ✓
N	13.4	√67.0 ✓
+1	14.8	√65.6 ✓
+10	16.5	√63.9 ✓

Cant grade beyond this
Should be stopped at 530 'E

4/29/24 Gregory CROSS SECTION OF ALLEY BLK 17 LA Jolla Park 20' wide

	089	6889	6800	BP DE Prospect 9 J
T.P.	0.65	56.87	1267	56.22
	N.L. of La Jolla Blvd. on Diagonal			
TP	1037	57.01	10.18	46.69
E			57.01 / 8.0	49.0 ✓
+4			9.8	47.2 ✓
C			10.7	46.3 ✓
+8			11.0	46.0 ✓
W			12.0	45.0 ✓
	0+00			
W			12.0	45.0 ✓
+2			10.9	46.1 ✓
C			10.6	46.4 ✓
+6			9.6	47.4 ✓
E			8.0	49.0 ✓
	0+15			
E			3.2	47.2 ✓
C			10.9	46.1 ✓
W			11.2	45.8 ✓
	0+20			
-7			15.8	41.2 ✓
W			13.6	43.4 ✓
+4			11.2	45.8 ✓
C			10.7	46.3 ✓
E			9.3	47.7 ✓



	0+15 ✓ 0+26	57.01	
E		9.4	47.6 ✓
C		10.6	46.4 ✓
W		11.3	45.7 ✓
	0+49 ✓ 0+60		
W		11.3	45.7 ✓
C		10.2	46.8 ✓
E		8.8	48.2 ✓
	0+64 ✓ 0+75		
E		8.0	49.0 ✓
+3		9.2	47.8 ✓
C		9.7	47.3 ✓
W		10.2	46.8 ✓
	0+84 ✓ 0+95 = S End of garage		
- 4' = front of garage		9.9	47.1 ✓
W = edge concrete apron		10.07	46.9 ✓
C		9.4	47.6 ✓
E		7.9	49.1 ✓
	1+14 ✓ 1+25 = N end of garage		
E		6.4	50.6 ✓
+2		7.4	49.6 ✓
C		8.8	48.2 ✓

		57.01	
W		9.6	47.4 ✓
+0.1 = edge cement apron		9.90	47.1 ✓
+4.0 = front of garage	1+44 ✓	9.87	47.14 ✓
	~~1+55~~		
-3		8.9	48.1 ✓
W		8.4	48.6 ✓
+2		7.6	49.4 ✓
C		7.4	49.6 ✓
E		5.3	51.7 ✓
	1+89 ✓		
	~~2+00~~		
E		5.1	51.9 ✓
+3		6.0	51.0 ✓
C		6.7	50.3 ✓
+6		6.9	50.1 ✓
~~W~~		8.2	48.8 ✓
+5		8.7	48.3 ✓
	2+24 ✓		
	~~2+35~~		
-2.5 = side of house		8.4	48.6 ✓
W		8.0	49.0 ✓
+4		6.5	50.5 ✓
C		6.3	50.7 ✓
+5		5.8	51.2 ✓
+6		5.0	52.0 ✓
E		5.0	52.0 ✓
	2+49 ✓		
	~~2+60~~ = S end of garage on E		
-5.0 = garage dirt floor		5.2	51.8 ✓
E		5.3	51.7 ✓
C		6.2	50.8 ✓

		57.01	
+6		6.7	50.3 ✓
W		8.1	48.9 ✓
+2.5 side of house		8.2	48.8 ✓
	2+89 ✓		
	~~3+00~~ = N end garage on E		
-5		7.8	49.2 ✓
W		7.2	49.8 ✓
+5		6.1	50.9 ✓
C		5.7	51.3 ✓
E		5.0	52.0 ✓
+5 = garage		5.1	51.9 ✓
	3+14 ✓		
	~~3+25~~		
E		4.4	52.6 ✓
C		4.9	52.1 ✓
+5		5.5	51.5 ✓
W		7.0	50.0 ✓
+5		7.9	49.1 ✓
	3+39 ✓		
	~~3+50~~ opp. house, 7.0		
-5		7.3	49.7 ✓
W		5.9	51.1 ✓
+4		5.2	51.8 ✓
C		5.0	52.0 ✓
E		4.5	52.5 ✓
	3+64 ✓		
	~~3+75~~		
E		4.1	52.9 ✓
C		4.4	52.6 ✓
W		5.1	51.9 ✓
+2		5.3	51.7 ✓

57.91

3+89 ✓

4+00 57.01

W			4.7	53.3 ✓
C			4.4	53.6 ✓
E			4.0	54.0 ✓
T.P.	6.70	59.95 ✓	3.76	53.25
		4+43		
		59.95 60.0		
E			6.4	53.6 ✓
C			6.6	53.4 ✓
+6			7.0	53.0 ✓
W			8.5	51.5 ✓
+5		4+35 ✓	9.0	51.0 ✓
		4+46		
-5			9.0	51.0 ✓
W			8.5	51.5 ✓
+5			7.1	52.9 ✓
C			6.7	53.3 ✓
+5			6.9	53.1 ✓
+7			4.9	55.1 ✓
E		4+49 ✓	4.1	55.9 ✓
		4+60		
E			3.8	56.2 ✓✓
C			6.8	53.2 ✓✓
+6			7.3	52.7 ✓
W			8.7	51.3 ✓
+5		4+79 ✓	9.0	51.0 ✓
		4+90		
-3			8.6	51.4 ✓
W			8.2	51.8 ✓

59.95 ✓
60.0

37

C	6.8	53.2 ✓	✓
+4	6.1	53.9 ✓	
E	4.0	56.0 ✓	
	5+04 ✓		
	5+15		
E	5.5	54.5 ✓	
C	7.3	52.7 ✓	
W	8.6	51.4 ✓	
+3	9.1	50.9 ✓	
	5+32 ✓		
	5+43		
-3.5 = garage dirt	8.6	51.4 ✓	
W	8.4	51.6 ✓	
C	6.8	53.2 ✓	✓
E	5.2	54.8 ✓	
	5+77 ✓		
	5+88		
E	4.2	55.8 ✓	
+4	5.8	54.2 ✓	
C	6.2	53.8 ✓	
+3	6.3	53.7 ✓	
W = edge cement apron	7.61	52.34 ✓	
+5 = front of garage	7.66	52.30 ✓	
	5+9 ✓ ✓		
	6+05 = 5 end of wall on W		
-5	7.7	52.3 ✓	
W	6.4	53.6 ✓	
Top of wall	(5.84)	54.11 ✓	
C	5.8	54.2 ✓	✓
+7	5.4	54.6 ✓	
+8	4.0	56.0 ✓	
E	3.6	56.4 ✓	

59.95
60.0

6+31 ✓

~~6+42~~ = N end of wall on W

E	3.4	56.6 ✓
+2	5.0	55.0 ✓
C	5.8	54.2 ✓
W = Top of wall. 6+31.5 ✓	5.80	54.2 ✓
~~6+42.5~~		
W on cement approach to garage	6.80	53.2 ✓
C	5.8	54.2 ✓
+8	5.0	55.0 ✓
E 6+43 ✓	3.4	56.6 ✓
~~6+54~~ = N. end garage on W		
E	3.4	56.6 ✓
+1	4.7	55.3 ✓
+5	5.4	54.6 ✓
C	5.8	54.2 ✓
W = on cement approach	6.80	53.2 ✓
+3 = front of garage 6+53.2 ✓	6.96	52.99 ✓
~~6+63~~		
W	5.5	54.5 ✓
C	5.5	54.5 ✓
+9	4.5	55.5 ✓
E 6+89 ✓	3.2	56.8 ✓
~~7+00~~		
E	3.6	56.4 ✓
+2	4.8	55.2 ✓
C	4.9	55.1 ✓
+4	5.1	54.9 ✓

59.95
60.00

+7	6.1	53.9 ✓
W	6.3	53.7 ✓
+5	7.0 ✓	53.0 ✓
~~7+09~~ = S end garage on W		
-5 = cement floor	6.20	53.8 ✓
W	5.8	54.2 ✓
+5	4.8	55.2 ✓
C	4.7	55.3 ✓
+8	4.4	55.6 ✓
E	3.4	56.6 ✓
7+29 ✓		
~~7+40~~ = N end garage on W		
E	3.3	56.7 ✓
+1	4.0	56.0 ✓
C	4.3	55.7 ✓
+7	4.8	55.2 ✓
W	5.6	54.4 ✓
+5 = cement floor	6.16	53.79 ✓
7+54		
~~7+65~~		
-5	5.8	54.2 ✓
W	4.7	55.3 ✓
+4	3.5	56.5 ✓
C	3.1	56.9 ✓
E	2.8	57.2 ✓
7+69.5		
~~7+80.5~~ = end of Cb on E.		
E = Top of Cb	0.50	59.45 ✓
E = ✓ - pavement.	1.50	58.45 ✓
C	2.7	57.3 ✓
+5	2.9	57.1 ✓

59.95
60.00

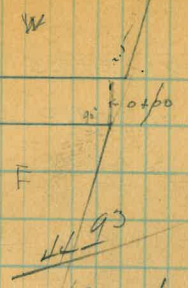
W		3.9	56.1 ✓
+5		5.3	54.7 ✓
This ½ section of rd b/w 7+85 & 7+96	on ℄	To edge of pavement	
W		3.2	56.8 ✓
C		2.35	57.60 ✓ on pavement
	7+85 & 7+96 on ℄	Taken diagonally	
W on pavement		3.24	56.71 ✓
W ↙ Curb.		3.06	56.89 ✓

4/29/24 Gregory CROSS SECTION OF ALLEY BLK 16 La Jolla Park

8.4w 55.11 46.69

S.L La Jolla Blvd. on diagonal

W	55 8.5	46.6	✓
C		6.7	48.1 ✓
E		4.8	50.3 ✓
	0+00		
E		4.8	50.3 ✓
C		6.8	48.3 ✓
W		8.3	46.8 ✓
	0+20		
W = against house		9.4	45.7 ✓
+5		8.1	47.0 ✓
C		7.5	47.6 ✓
E		5.6	49.5 ✓
	0+50		
E		7.6	47.5 ✓
C		9.6	45.5 ✓
W		11.4	43.7 ✓
+1 = against house		11.6	43.5 ✓
	0+75		
-3		13.5	41.6 ✓
W		13.1	42.0 ✓
C		11.4	43.7 ✓
E		9.7	45.4 ✓
T.P.	9.66 44.93	12.84	42.27
	1+00	44 9	
E		1.5	43.4 ✓
C		3.0	41.9 ✓



40

W	4.8	40.1	✓
+5	5.4	39.5	✓
	1+20		
-6	7.1	37.8	✓
W	5.7	39.2	✓
C	4.3	40.6	✓
E	2.9	42.0	✓
	1+45		
E	5.7	39.2	✓
C	6.5	38.4	✓
W	7.6	37.3	✓
+5	8.6	36.3	✓
	1+70		
-5	9.8	35.1	✓
W	8.9	36.0	✓
C	7.8	37.1	✓
E	6.3	38.6	✓
	2+00		
E	9.3	35.6	✓
+4	9.7	35.2	✓
+5	10.2	34.7	✓
C	10.5	34.4	✓
W	11.4	33.5	✓
+3	11.8	33.1	✓

graded from here. 2+25 = N end garage on W

−3 = front of garage	44 / 12.55	3 / 38	✓
W = edge of apron	12.75	3 / .18	✓
C	12.4	3 / .5	✓
+7	12.0	3 / .9	✓
E	10.✓	3 / .5	✓

2+55 = S end garage on W

E	12.3	3 / .6	✓
+3	13.1	31.8	✓
C	13.2	31.7	✓
T.P. 0.88 33 55'	12.26 / 33 55 / 1.73	3 / .67	✓
W = edge apron		31.8	✓
+3 = front of garage	1.20	3 / .35	✓

2+72 = N end garage on W

−3 = front of garage	3.13	30.1 ✓	✓
W = edge of apron	3.22	30.33	✓
+4	2.6	30.9	✓
C	2.4	31.1	✓
+9	1.9	31.6	✓
E	1.4	3 / .1	✓

3+01 = S end garage on W

E	2.4	31.1	✓
+1	2.9	30.6	✓
C	3.2	30.3	✓
W = edge apron	3.40	30.1	✓
+3 = front of garage	3.13	30.41	✓

3+50 33 55'

W	4.6	✓8.9 ✓
C	4.4	✓9.1 ✓
+9	4.0	✓9.5 ✓
E	3.✓	30.1 ✓

3+76

E	3.8	✓9.7 ✓
+2.5	4.0	✓9.5 ✓
+3	4.6	✓8.9 ✓
C	5.2	✓8.3 ✓
W	5.4	✓8.1 ✓
+2	5.8	✓7.7 ✓

4+00

W	6.4	✓7.1 ✓
C	5.8	✓7.7 ✓
+5	5.4	✓8.1 ✓
E	4.6	✓8.9 ✓

4+25

E	6.3	✓7.2 ✓
C	7.8	✓5.7 ✓
W	8.2	✓5.3 ✓

4+50.5± = end of fill

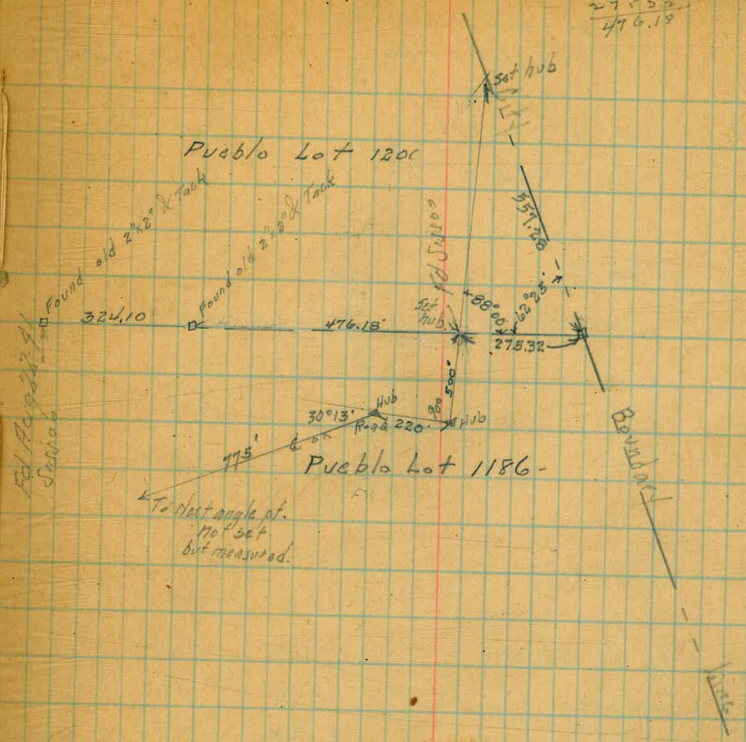
W	10.5	✓3.0 ✓
C	9.8	✓3.7 ✓
E	8.3	✓5.2 ✓

450.5 / 221 / 225.5 #1

6/20/21 Survey of
Eugene Murray & Canon Rd
at City Boundary
and thru portion of PL. 1186

7.51.15
27.32
476.18

HV



7/17/24 Gregory. Levels over proposed Line for Drain Alley in Blk 16 La Jolla.

on B.M.	2.73	32.88	30.15	Edge of Apron pavmt

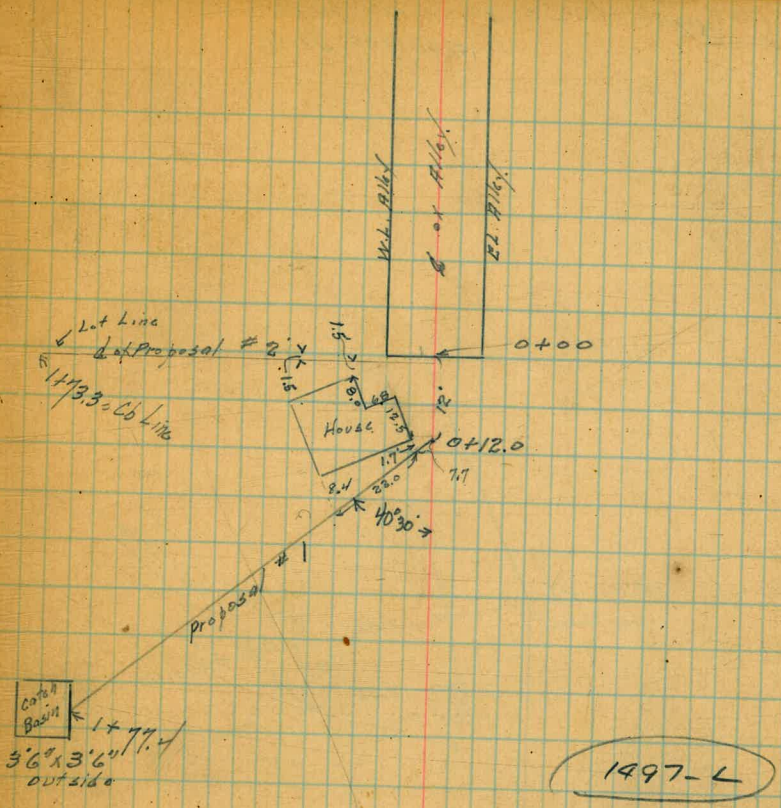
PROPOSAL #1

0+00		9.1	+3.8 ✓
0+12 △ 40°30' R.		10.1	+2.8 ✓
TP	+2.28	11.91	+0.97
+50		2.6	+0.7 ✓
+82		3.9	19.4 ✓
1		5.5	17.8 ✓
+50		8.0	15.3 ✓
+57		9.2	14.1 ✓
+77		10.0	13.3 ✓
+77.4 = Top of Basin		11.29	11.96 ✓
+77.4 = Flow Line ✓		12.63	10.62 ✓

Proposal #2

H.I. from above 32.88

0+00		9.1	+3.7 ✓
+50		12.2	+0.6 ✓
TP	1.78	+1.91	1.75 20.13
1		3.5	18.4 ✓
+50		5.6	16.3 ✓
+73.3 = Top of Cement Cb.		6.20	.157 ✓
+73.302 = gutter		6.8	15.1 ✓
2		6.4	15.5 ✓
+03.0		6.7	15.2 ✓
+14.0		1.22	9.7 ✓
+43.0		1.27	9.2 ✓
+46.0		13.4	8.5 ✓

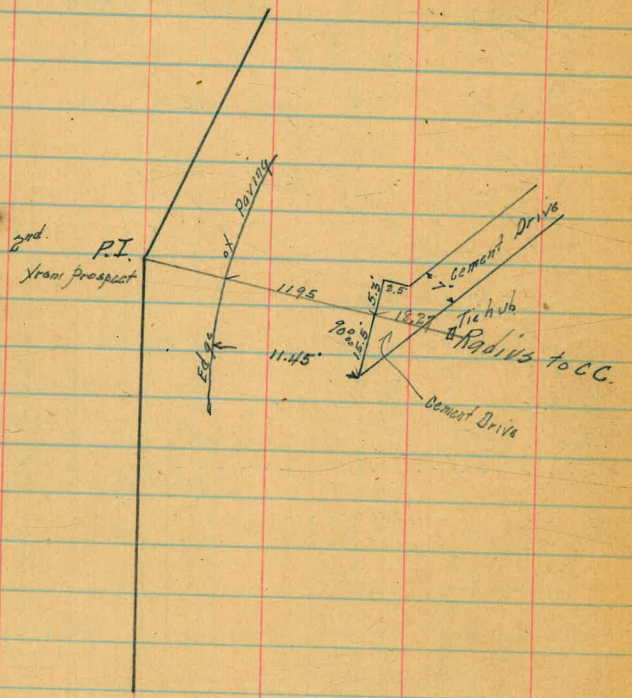


1497-L

7/17/24 Lovegrove

Location of Helm's Driveway
Roosevelt Drive

44



℄ Sec of Meade Ave from E. Line Idaho St. to W. Line of 32nd St.

B.M.	9.93	376.71	366.78	Kansas & S.E. Meade
	00 = W. Line Idaho St			
S		1.1	375.6	
cb		1.20	375.51	one. curb
+1		1.6	375.1	
1/4		1.5	375.2	
E		1.3	375.4	
1/4		1.3	375.4	
+10		1.3	375.4	
+11		2.0	374.7	
+12		1.9	374.8	
cb		1.25	375.46	one. cb
N		0.8	375.9	
	25' E			
N		0.5	376.2	
+12		1.1	375.6	
+13		1.6	375.1	
cb.		1.6	375.1	
+5		2.1	374.6	
+7		1.9	374.9	
1/4		2.0	374.7	
E		1.7	375.0	
1/4		1.6	375.1	
+6		1.8	374.9	
cb		1.2	375.5	
S		1.1	375.6	

Meade Ave

376.71

S	50' E	1.4	375.3
cb		1.8	374.9
1/4		2.1	374.6
E		1.9	374.8
1/4		2.1	374.6
+5		1.8	374.9
+7		2.3	374.4
+8		1.9	374.8
cb		1.8	374.9
N		1.3	375.4
	75' E		
N		1.8	374.9
cb		2.1	374.6
+3		2.1	374.6
+4		2.6	374.1
+5		2.1	374.6
1/4		2.2	374.5
E		2.0	374.7
1/4		2.3	374.4
cb		2.0	374.7
S		1.7	375.0
	90' E		
S		1.8	374.9
cb		2.2	374.5
1/4		2.4	374.3
E		1.9	374.9
1/4		2.6	374.1
+8		2.4	374.3

376.71

+9		2.6	374.1
+10		2.1	374.6
cb		2.0	374.7
N		2.0	374.7
	115 E		
N		2.7	374.0
eb		2.6	374.1
+3		3.0	373.7
1/4		3.2	373.5
e		3.0	373.7
1/4		3.0	373.7
eb		2.4	374.3
S		2.2	374.5
	140' E.		
S		2.8	373.9
BB		2.7	374.0
1/4		3.6	373.1
C		3.0	373.7
1/4		3.7	373.0
eb		3.5	373.2
N		3.6	373.1
	150' E		
N		3.9	372.8
eb		4.3	372.4
+7		5.5	371.2
1/4		4.9	371.8
e		3.7	373.0
1/4		4.2	372.5

376.71

eb		3.3	373.4
S		3.4	373.3
	185' E		
S		4.4	372.3
Eb		4.9	371.8
1/4		5.4	371.3
C		5.3	371.4
+5		5.5	371.2
+6		6.4	370.3
1/4		6.2	370.5
+3		5.2	371.5
eb		4.9	371.8
N		4.9	371.8
	2,25' E.		
N		6.5	370.2
eb		6.6	370.1
+10		6.9	369.8
1/4		8.0	368.7
+2		7.0	369.7
C		6.7	370.0
1/4		7.0	369.7
eb		6.6	370.1
S		6.3	370.4
	250' E		
S		6.6	370.1
eb		6.9	369.8
1/4		7.4	369.3
e		7.6	369.1

376.71

1/4		8.4	368.3
eb		7.4	369.3
N		7.5	369.2
	275' E		
N		8.3	368.4
eb		8.2	368.5
1/4		8.6	368.1
C		8.1	368.6
1/4		8.5	368.2
+5		7.7	369.0
eb		7.9	368.8
S		7.4	369.3
	294' E		
S		8.1	368.6
eb		8.4	368.3
1/4		8.8	367.9
C		8.4	368.3
1/4		8.5	368.2
eb		8.7	368.0
N		9.0	367.7
+5		8.9	367.8
	300' E = W line Utah St		
N		8.1	368.6
+12		8.1	368.6
eb		9.0	367.7
Top C. curb		8.22	368.49 Not for yardage
1/4		8.7	368.0
C		8.4	368.3

376.71

1/4			8.6	368.1
eb			9.0	367.1
on C. eb			8.11	368.60 No yardage
+2			8.2	368.5
S			8.0	368.7
T.P.	2.93	371.17	8.47	368.24
		00 = E line Utah		
S			2.9	368.3
eb			3.5	367.7
cmt eb			2.93	368.24 No yardage
1/4			3.5	367.7
C			3.2	368.0
1/4			3.7	367.5
eb			3.9	367.3
cmt. eb			3.20	367.97 No yardage
N			3.1	368.1
		6' E		
N-5			3.7	367.5
N			3.8	367.4
eb			4.0	367.2
1/4			4.1	367.1
C			3.7	367.5
1/4			3.8	367.4
eb			4.1	367.1
S			3.5	367.7
+5			3.4	367.8
		40' E		
S-5			4.2	367.0
S			4.5	366.7

371.17

eb	4.6	366.6
1/4	4.5	366.7
e	4.3	366.9
1/4	4.5	366.7
eb	4.5	366.7
N	4.4	366.8
+5	4.2	367.0
	60' E	
N-5	4.6	366.6
N	4.5	366.7
eb	4.4	366.8
1/4	4.7	366.5
e	4.4	366.8
1/4	4.2	367.0
+6	3.2	368.0
eb	3.8	367.4
+4	4.5	366.7
S	4.7	366.5
+5	4.8	366.4
	80' E	
S-5	5.0	366.2
S	5.0	366.2
eb	4.9	366.3
1/4	5.2	366.0
+5	4.5	366.7
e	4.6	366.6
1/4	4.8	366.4
eb	4.9	366.3

371.17

N	5.1	366.1
+5	5.0	366.2
	95' E	
N-5	5.0	366.2
N	5.1	366.1
eb	4.9	366.3
1/4	5.0	366.2
e	4.6	366.6
+6	4.6	366.6
1/4	5.2	366.0
eb	4.8	366.4
S	4.5	366.7
+5	4.9	366.3
	110' E	
S-5	5.0	366.2
S	5.0	366.2
eb	5.3	365.9
1/4	5.2	366.0
+6	4.5	366.7
e	4.5	366.7
1/4	5.0	366.2
eb	4.9	366.3
N	4.9	366.3
+5	5.0	366.2
	125' E	
N-5	4.8	366.4
N	4.8	366.4
eb	5.0	366.2

371.17

1/4	5.2	366.0
+4	4.8	366.4
C	4.7	366.5
+8	4.9	366.4
1/4	5.4	365.8
+2	4.3	366.9
CL	5.1	366.1
S	5.1	366.1
+5	5.2	366.0
	150' E	
S-5	5.0	366.2
S	5.1	366.1
CL	5.1	366.1
1/4	5.1	366.1
C	4.7	366.5
1/4	5.0	366.2
CL	5.1	366.1
N	5.2	366.0
+5	5.3	365.9
	160' E	
N-5	5.3	365.9
N	5.3	365.9
+9	4.9	366.3
CL	4.3	366.9
+6	4.2	367.0
1/4	5.1	366.1
C	4.8	366.4
1/4	5.5	365.7

371.17

CL	5.5	365.7
S	3.7	367.5
	175' E	
S-5	5.4	365.8
S	5.4	365.8
CL	5.5	365.7
1/4	5.4	365.8
C	4.7	366.4
1/4	5.3	365.9
CL	5.1	366.1
N	5.2	366.0
+5	5.2	366.0
	192' E	
N-5	5.1	366.1
N	5.1	366.1
CL	5.2	366.0
1/4	5.3	365.9
C	4.9	366.3
1/4	5.4	365.8
CL	5.5	365.7
S	5.4	365.8
+5	5.0	366.2
	210' E	
S-5	5.6	365.6
S	5.6	365.6
CL	5.2	366.0
+10	3.9	367.3
+11	5.3	365.9

371.17

¼	5.3	365.9
e	5.0	366.2
¼	5.1	366.1
+5	5.4	365.8
eb	5.3	365.9
N	5.1	366.1
+5	5.1	366.1

230' E

N-5	5.1	366.1
N	5.0	366.2
eb	5.2	366.0
¼	5.4	365.8
+5	5.1	366.1
e	5.2	366.0
¼	5.4	365.8
eb	5.6	365.6
S	4.7	366.5

245' E

S	3.8	367.4
eb	5.6	365.6
¼	5.5	365.7
e	5.0	366.2
¼	5.3	365.9
eb	5.4	365.8
N	5.0	366.2
+5	5.2	366.0

371.17

1

260' E

N-5	4.9	366.3
N	4.8	366.4
eb	5.4	365.8
¼	5.4	365.8
e	5.0	366.2
¼	5.3	365.9
eb	5.4	365.8
S	4.7	366.5
+5	4.7	366.5

297' E

S-5	4.5	366.7
S	4.5	366.7
eb	5.5	365.7
¼	5.1	366.1
e	4.9	366.3
¼	4.8	366.4
eb	4.9	366.3
N	4.8	366.4
+5	5.2	366.0

300' E = W Line Kansas

N	4.1	367.1	
eb	4.8	366.4	
cnt eb	4.17	367.00	no yardage
¼	4.6	366.6	
e	4.6	366.6	
¼	4.8	366.4	
eb	5.4	365.8	

Meade Ave

	371.17			
emt eb		4.05	367.12	no yardage
S		3.9	367.3	
T.P.	3.62	370.40	4.39	366.78 BM Kansas
	00 = E. line Kansas			
S			3.5	366.9
eb			4.6	365.8
emt, eb			3.66	366.74 No yardage
1/4			4.4	366.0
e			4.2	366.2
1/4			4.0	366.4
eb			4.2	366.2
emt eb			3.62	366.78 No yardage
+1			3.6	366.8
N			3.4	367.0
	3.'E			
N+13			3.6	366.8
eb			4.3	366.1
1/4			4.1	366.3
e			4.3	366.1
1/4			4.7	365.7
eb			4.8	365.6
S			4.9	365.5
+5			5.1	365.3
	25'E			
S-5			4.6	365.8
S			4.5	365.9
eb			4.8	365.6
+9			4.6	365.8

Sidewalk from Elm Kansas 138'E
Graded parking 13' wide

370.40

1/4	3.0	364.4
e	4.7	365.7
1/4	4.3	366.1
eb	4.2	366.2
+1	3.6	366.8
	55'E	
N+3	3.8	366.6
eb	4.4	366.0
1/4	4.7	365.7
e	4.8	365.6
1/4	4.9	365.5
eb	5.2	365.2
S	5.3	365.1
+5	5.4	365.0
	100'E	
S-5	5.2	365.2
S	5.2	365.2
eb	5.1	365.3
1/4	5.2	365.2
e	4.9	365.5
1/4	4.8	365.6
eb	4.6	365.8
+1	3.9	366.5
	138'E = East end walk	
N	3.7	366.7
+13	4.0	366.4
eb	4.7	365.7

Meade Hyc

370.40

		4.4	366.0
eb		4.7	365.7
1/4		4.8	365.6
c		4.8	365.6
1/4		5.1	365.3
eb		5.3	365.1
s		5.3	365.1
+5		5.3	365.1
	160'E		
s-s		5.2	365.2
s		5.1	365.3
eb		5.3	365.1
1/4		5.2	365.2
c		4.8	365.6
1/4		4.8	365.6
eb		4.7	365.7
N		4.8	365.6
	161'E		
N		3.8	366.6
+13		4.0	366.4
cp		4.8	365.6
	200'E		
N		3.7	366.7
+13		3.7	366.7
eb		4.7	365.7
1/4		4.8	365.6
c		4.7	365.7
1/4		5.3	365.1

370.40

eb		5.4	365.0
s		5.4	365.0
+5		5.2	365.2
	250'E		
s-s		4.8	365.6
s		4.8	365.6
eb		5.1	365.3
1/4		4.8	365.6
e		4.5	365.9
1/4		4.5	365.9
eb		4.8	365.6
+1		3.9	366.5
N		3.9	366.5
	275'E		
N		3.8	366.6
+13		3.8	366.6
eb		4.8	365.6
1/4		4.7	365.7
c		4.5	365.9
1/4		4.7	365.7
c		4.0	366.4
s		4.0	366.4
	299.2E = Wilme 30th St		
s		4.4	366.0
eb		5.1	365.3
em+cb		4.70	365.70	no yardage
1/4		4.8	365.6
e		4.2	365.8

370.40

1/4			4.8	365.6	
eb			4.9	365.5	
emt eb			4.34	366.06	no yardage
+1			4.4	366.0	
N			4.0	366.4	
T.P.	9.70	375.49	4.61	365.79	

00 = E. line 30th

N			8.2	367.3	
eb			8.2	367.3	
emt eb			7.20	366.29	No yardage
+1			9.5	366.0	
1/4			9.4	366.1	
e			9.4	366.1	
1/4			9.6	365.9	
eb			9.2	366.3	
emt eb			9.68	365.81	No yardage
S			8.6	366.9	

4' E

S			8.1	367.4	
eb			8.2	367.3	
+2			9.0	366.5	
1/4			9.0	366.5	
e			8.7	366.8	
1/4			8.6	366.9	
+9			8.5	367.0	
eb			6.6	368.9	
+5			4.7	370.8	
N			4.9	370.6	

Meade Ave

5-3

375.49

25' E

N			40	369.5	
eb			6.1	369.4	
+6			6.1	369.4	
1/4			7.2	368.3	
e			7.2	368.3	
1/4			7.3	368.2	
eb			7.4	368.1	
S			7.6	367.9	

41' E

S			7.2	368.3	
6.6			6.7	368.8	
1/4			6.6	368.9	
e			6.4	369.1	
1/4			6.6	368.9	
eb			6.5	369.0	
N			6.0	369.5	

55' E

N			4.7	370.8	
eb			5.0	370.5	
1/4			6.3	369.2	
e			6.4	369.1	
1/4			6.5	369.0	
eb			6.6	368.9	
S			7.2	368.3	

66' E

S			7.2	368.3	
eb			4.9	368.6	
1/4			4.4	369.1	

375.49

C		6.2	369.3
1/4		6.6	368.9
cb		5.4	370.1
N		5.3	370.2
	85' E		
N		4.1	371.4
cb		5.6	369.9
+4		6.4	369.1
1/4		6.3	369.2
+6		5.6	369.9
C		5.9	369.6
1/4		6.3	369.2
cb		6.9	368.6
S		6.8	368.7
	95' E		
S		6.7	368.8
cb		6.7	368.8
1/4		6.2	369.3
C		5.7	369.8
+5		5.7	369.8
1/4		6.3	369.2
cb		6.1	369.4
N		4.6	370.9
	125' E		
N		5.3	370.2
cb		5.7	369.8
1/4		5.8	369.7
+6		5.1	370.4

Meade Ave

375.49

C		5.1	370.4
1/4		5.6	369.9
cb		6.2	369.3
S		6.6	368.9
	145 E		
S		5.8	369.7
cb		5.4	370.1
1/4		5.5	370.0
C		4.9	370.6
1/4		5.2	370.3
cb		5.0	370.5
N		4.3	371.2
	175' E		
N		3.7	371.8
cb		4.1	371.4
1/4		4.5	371.0
C		4.5	371.0
1/4		4.8	370.7
cb		5.1	370.4
S		5.3	370.2
	208' E		
S		4.3	371.2
cb		4.8	370.7
1/4		5.1	370.4
C		4.1	371.4
1/4		3.9	371.6
cb		3.6	371.9
N		3.1	372.4

375.49

227' E

N	2.8	372.7
eb	3.2	372.3
1/4	3.5	372.0
e	3.4	372.1
1/4	4.4	371.1
eb	4.5	371.0
S	4.7	370.8
+5	4.4	371.1

235' E

S-5	3.9	371.6
S	3.9	371.6
eb	3.7	371.8
1/4	4.1	371.4
e	3.2	372.3
1/4	3.4	372.1
eb	3.1	372.4
N	2.6	372.9

260' E

N	2.2	373.3
eb	2.7	372.8
1/4	3.0	372.5
e	3.0	372.5
1/4	3.5	372.0
eb	3.3	372.2
S	3.3	372.2
+5	3.1	371.8

Meade Ave

55

375.49

290' E

S-5	3.0	372.5
S	2.9	372.6
eb	3.2	372.3
1/4	3.0	372.5
e	2.4	373.1
1/4	2.6	372.9
eb	2.3	373.2
N	1.9	373.6

300 = W Line Ohio St

N	1.3	374.2	
eb	1.7	373.8	
Omit eb	1.43	374.06 .06	Not yardage
+1	2.2	373.3	
1/4	2.3	373.2	
e	2.2	373.3	
1/4	2.7	372.8	
eb	3.0	372.5	
Omit eb	2.55	372.94	Not yardage
+1	2.5	373.0	
S	2.2	373.3	

00 = E Line Ohio St

S	1.5	374.0	
eb	1.7	373.8	
Omit eb	1.91	373.58 .58	Not yardage
1/4	2.1	373.4	
e	1.6	373.9	
1/4	1.6	373.9	
eb	1.4	374.1	

375.49

Cnt eb			0.99	374.50 Not yardage
+1			1.0	374.5
N			0.5	374.0
T.P.	10.31	384.81	0.99	374.50

15' E

N	9.2	375.6
+4	9.7	375.1
+6	10.5	374.3
eb	10.5	374.3
1/4	10.2	374.6
c	10.7	374.1
1/4	11.0	373.8
eb	10.7	374.1
S	10.5	374.3

22' E

S	10.6	374.2
+11	10.1	374.7
eb	10.4	374.4
1/4	10.8	374.0
c	10.5	374.3
+5	9.9	374.9
1/4	9.5	375.3
+9	8.6	376.2
eb	8.9	375.9
+6	10.2	374.6
N	10.2	374.6

Meade Ave

384.81 30' E

N	9.1 375.1
eb	8.0 376.8
1/4	8.5 376.3
+10	9.7 375.1
+11	10.4 374.4
c	10.4 374.4
1/4	10.7 374.1
c	10.6 374.2
S	10.6 374.2

50' E

S	10.6	374.2
eb	10.4	374.4
1/4	10.4	374.4
c	10.2	374.6
1/4	9.4	375.4
eb	9.0	375.8
N	9.3	375.5

69' E

N	8.9	375.9
eb	7.9	376.9
+6	7.9	376.9
1/4	8.7	376.1
c	9.4	375.4
1/4	10.0	374.8
eb	10.0	374.8
S	10.1	374.7

384.81

90' E

S	9.5	375.3
eb	9.7	375.1
1/4	9.7	375.1
C	9.9	374.9
1/4	8.9	375.9
+9	8.6	376.2
eb	8.4	376.4
N	8.5	376.3

110' E

N	7.9	376.9
eb	7.6	377.2
+7	7.5	377.3
1/4	8.2	376.6
+3	8.8	376.0
C	9.2	375.6
1/4	9.2	375.6
eb	9.2	375.6
S	9.2	375.6

127' E

S	8.9	375.9
eb	9.1	376.1
1/4	8.6	376.2
+3	8.3	376.5
C	8.6	376.2
1/4	8.7	376.1
+8	8.2	376.6
eb	8.5	376.3
+10	8.5	376.3

384.81

N	7.8	377.0

150' E

N	7.1	377.7
+10	6.5	378.3
eb	7.0	377.8
+9	7.0	377.8
1/4	7.7	377.1
C	7.40	377.4
C	7.7	377.1
1/4	7.8	377.0
eb	8.2	376.6
S	8.5	376.3

Not Verdare on M.H

175' E

S-S	9.0	375.8
S	9.1	375.7
eb	8.2	376.6
1/4	7.3	377.5
C	6.9	377.9
+9	7.0	377.8
1/4	6.6	378.2
eb	6.3	378.5
N	6.7	378.1

200' E

N	5.8	379.0
eb	6.3	378.5
+7	6.6	378.2
1/4	6.2	378.6
C	6.1	378.7

384.81

1/4	6.2	378.6
eb	5.8	379.0
+6	5.3	379.3
S	5.6	379.2
	220' E	
S-5	7.3	377.5
S	7.5	377.3
+6	7.2	377.6
eb	6.1	378.7
1/4	5.0	379.8
+7	5.5	379.3
C	5.4	379.4
1/4	5.7	379.1
+6	6.1	378.7
eb	5.8	379.0
+5	5.2	379.6
N	4.8	380.0
	240' E	
N	3.7	381.1
+9	4.0	380.8
eb	4.5	380.3
1/4	5.1	379.7
C	5.3	379.5
1/4	5.3	379.5
+10	5.5	379.3
eb	5.9	378.9
+5	6.7	378.1
+5	6.9	377.9

	255' E	
S-5	4.4	378.4
S	6.2	378.6
eb	6.1	378.7
1/4	5.8	379.0
+C	5.7	379.1
+8	5.1	379.7
C	5.0	379.8
1/4	5.0	379.8
eb	4.5	380.3
N	4.6	380.2
	275' E	
N	4.6	380.2
eb	4.4	380.4
1/4	4.6	380.2
C	4.7	380.1
+5	4.9	379.9
1/4	5.6	379.2
eb	5.7	379.1
+9	4.7	380.1
S	4.7	380.1
	290' E	
S-5	5.6	379.2
S	5.6	379.2
eb	5.6	379.2
+6	5.1	379.7
1/4	4.7	380.1
C	4.7	380.6
1/4	4.2	380.6

384.81

eb		4.4	380.4
+3		4.1	380.7
N		4.0	380.8
	300' E = W line Illinois 80' wide 14 eb 13'¼		
N		3.7	381.1
eb		4.0	380.8
¼		3.9	380.9
C		3.8	381.0
¼		3.7	381.1
eb		4.2	380.6
S		4.8	380.0
	W. eb		
S		4.8	380.0
eb		4.9	379.9
¼		4.5	380.3
C		4.1	380.7
¼		3.8	381.0
eb		3.6	381.2
N		3.4	381.4
	W ¼		
N		3.5	381.3
eb		3.8	381.0
¼		3.8	381.0
C		4.1	380.7
¼		4.1	380.7
eb		4.2	380.6
S		4.2	380.6

384.81

	C		
S		4.5	380.3
eb		4.5	380.3
¼		4.3	380.5
C		4.1	380.7
¼		3.9	380.9
eb		3.6	381.2
N		3.20	381.6 381.61 S.W. Car paving
	E ¼		
N		2.95	381.86 S End "
eb		3.2	381.6
¼		3.4	381.4
C		3.5	381.3
¼		3.6	381.2
eb		3.7	381.1
S		3.9	380.9
	E. eb		
S		4.2	380.6
eb		4.2	380.6
¼		3.8	381.0
C		3.6	381.2
¼		3.3	381.5
eb		3.1	381.7
N		3.04	381.77 S End Paving
	00. = E Line Illinois		
N		2.32	382.49 " "
+7		3.2	381.6
eb		3.1	381.7
¼		3.3	381.5

384.81

E	3.7	381.1
+8	4.0	380.8
1/4	3.5	381.3
+3	2.8	382.0
Eb	3.0	381.8
S	3.4	381.4
25' E		
S	3.9	380.9
Eb	3.3	381.5
+7	2.9	381.9
1/4	3.4	381.4
E	3.4	381.4
1/4	2.9	381.9
Eb	3.0	381.8
+6	3.0	381.8
+8	2.0	382.8
N	1.6	383.2
50' E		
N	1.7	383.1
+2	1.9	382.9
+5	2.8	382.0
Eb	2.7	382.1
1/4	3.0	381.8
E	3.3	381.5
1/4	3.4	381.4
+6	2.8	382.0
Eb	2.8	382.0
S	3.2	381.6

384.81

T.P.	4.29	388.09	1.00	383.81
75' E,				
S			5.6	382.5
+4			5.7	382.4
Eb			4.8	383.3
1/4			4.5	383.6
+6			5.7	382.4
E			5.9	382.2
1/4			5.8	382.3
E			5.4	382.7
+10			5.3	382.8
N			4.7	383.4
100' E				
N			5.0	383.1
+4			5.7	382.4
+9			6.0	382.1
Eb			5.7	382.4
1/4			5.8	382.3
E			5.8	382.3
+10			6.0	382.1
1/4			5.3	382.8
Eb			5.4	382.7
S			5.8	382.3
115' S				
S			6.1	382.0
Eb			6.2	381.9
1/4			5.9	382.2
E			5.7	382.4

388.09

1/4		5.8	382.3
eb		5.6	382.5
+5		5.1	383.0
N		5.0	383.1
	125' E		
N		4.9	383.4
+8		4.8	383.5
eb		5.4	382.9
1/4		5.7	382.6
C		5.7	382.6
+4		5.6	382.7
+7		4.7	383.4
1/4		4.7	383.4
eb		5.4	382.7
S		5.9	382.2
	145' E		
S		4.3	383.8
eb		4.8	383.3
1/4		5.2	382.9
e		5.5	382.6
1/4		5.4	382.7
eb		5.3	382.8
N		5.1	383.0
	160' E		
N		5.1	383.0
eb		5.1	383.0
1/4		5.3	382.8
C		5.2	382.9
1/4		5.6	382.5
eb		5.4	382.7
S		4.4	383.7

388.09

	175' E		
S		4.0	382.1
eb		5.6	382.5
1/4		5.4	382.7
+4		4.4	383.7
C		4.1	384.0
1/4		5.2	382.9
eb		4.9	383.2
N		4.9	383.2
	200' E		
N		4.4	383.7
eb		4.6	383.5
1/4		4.8	383.3
e		5.4	382.7
1/4		5.6	382.5
+8		5.4	382.7
eb		4.7	383.4
S		5.9	382.2
	225' E		
S		5.3	382.8
eb		5.7	382.4
1/4		4.2	383.9
+8		4.0	384.1
+4		4.7	383.4
C		4.7	383.4
1/4		5.2	382.9
eb		4.7	383.4
N		4.5	383.6
	250' E		
N		4.6	383.5
eb		4.4	383.7
1/4		5.0	383.1
C		5.0	383.1
1/4		5.3	382.9
eb		3.9	384.2
S		4.6	383.5
	275' E		
S		4.6	383.5
eb		4.8	383.3
1/4		5.3	382.8
C		5.1	383.0
1/4		4.9	383.2
eb		4.6	383.5
N		4.5	383.6
	288' E		
N		4.5	383.6
eb		4.8	383.3
1/4		4.9	383.2
C		5.2	382.9
1/4		5.4	382.7
eb		5.2	382.9
+4		5.0	383.1
S		3.6	384.5

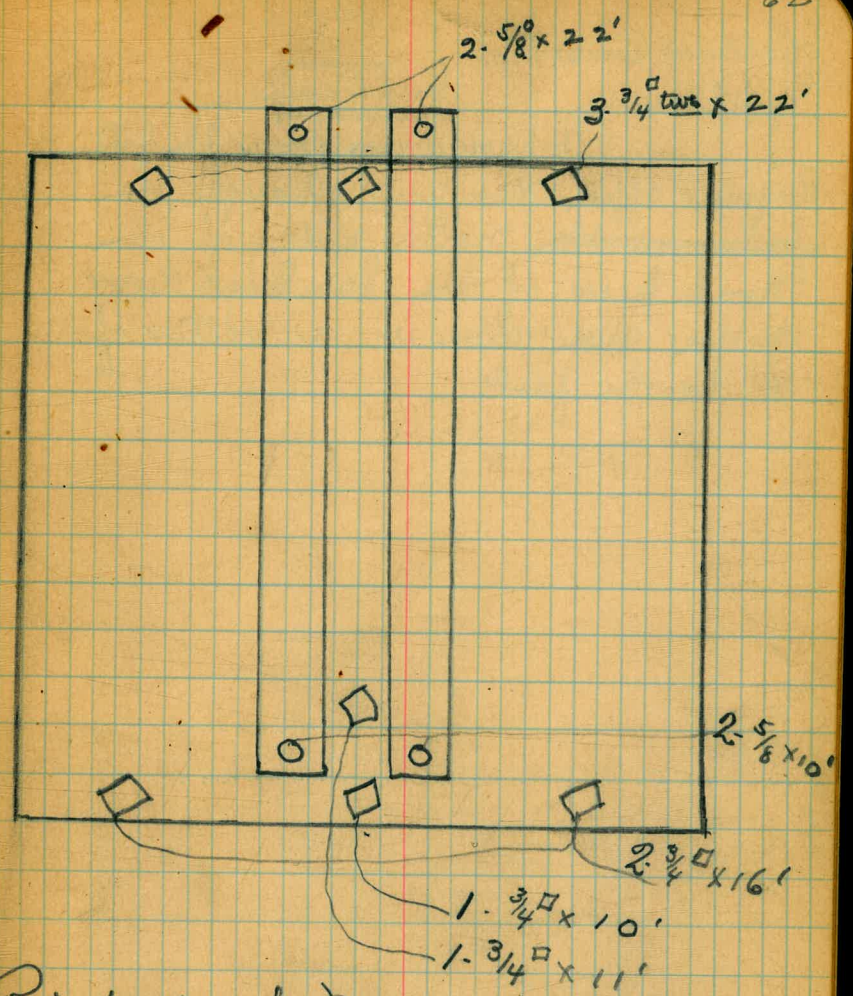
388.09

300.40 = W. Line IOWA

S	5.18	382.91	on walk
eb	5.4	382.7	
emt eb	5.33	383.76	Net yardage
+1	5.9	382.2	
1/4	5.7	382.4	
C	5.3	382.8	
1/4	5.3	382.8	
eb	5.2	382.8	
emt eb	4.80	383.3	Net yardage
N	4.58	383.41	on walk
T.P.	4.55	383.54	

383.22

62



Reinforcing for transverse girders according to instructions from F.R. Comley. Oct 14 - 1913.

This plan followed on first span. On middle + north span 3- 3/4 □ x 22' omitted and 3/4 □ x 8' used on each end.

Sep. 2nd 1913.

Holland Cons. Co.

Gentlemen: Duplicate

I have orders from the City Engineer office that you change the ~~form on the~~ north side of the north pier of the San Diego River Bridge and give it a batter of 4" to the foot.

Holland Cons. Co. Sept 2nd 1913

Gentlemen: Duplicate

I have instructions from the City Engineer Office that you change the proportions of the Concrete on the two piers of the San Diego River Bridge between Elevations +0.18 and +4.38 from 1-3-6 to a mixture of 1-2½-4½.

For 1-2-4 Concrete 64

50% void of aggregate	33½ cu.	216
45	"	206
40		196
30		181
20		166

Time on S.D. River Bridge. 68

August	25 da
September	23 "
October	25 "

Aug 19	Enger	1 da
Sept. 19	Merrill	2 "

Time on S D Rum Bridge

Commenced on Aug 3—

Aug.		24	da
Sept.	23-½d 24+25 Sidewalk		
Sep	at Bridge	23	"
Oct -	3d Catchbasins on Robinson St		
"	30+31 Sidewalk		
Oct.	at Bridge	24	"
Nov.	3d ½ da ~~15~~ 8th ½ da	2	"
	J P Stughes	73	
Aug 19	J E Engen	1	
Sep 19-20	Merrill	2	

1116 / 1108

October Concrete

South Span

		Cu. Yds.
Oct. 15 -	2 south Ribs - 2 Ties + 3 girders	182
" 18	" North " " " " " "	181

Middle Span

Oct 20. -	2 south ribs. 2 ties + 3 girders	179
" 21	2 North " " " " "	185

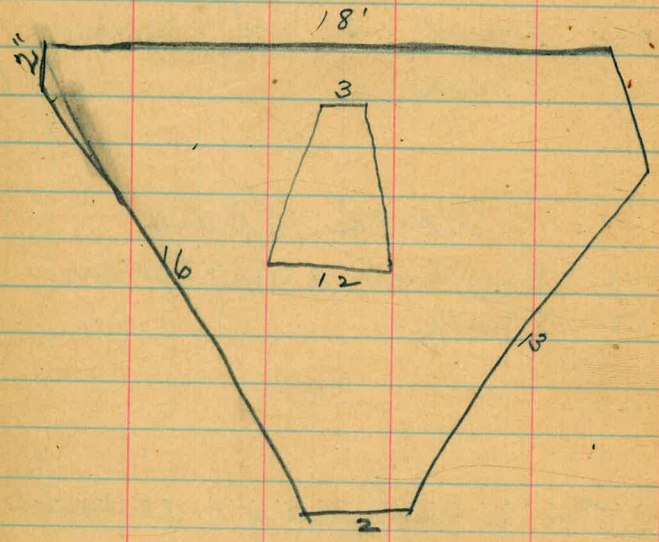
North Span

Oct 22	2 south ribs. 2 ties + 3 girders	181
" 23	2 North " " " " "	187

Oct 23	On 3 spandrels of N. abutment	21
" 24	" " "	116
" 25	" "	73
" 28 -	Tops on South Pier	33
" 29	" " North "	32
Nov 10 -	4 sections of panel	2 3/4

Total Cement 3245

Finished driving piling: Original Contract
Monday- Aug 26th at 5 PM



72

Aug 23	4	4 men	3 hrs 4 hrs
" 24	Sunday		
" 28	4 men 2 "		8 hrs 4 "
" 29	12 Men Engr + Foreman	Driving	8 "
" 30	12 " " "		8 "
Sep 1	6 " " "		8 "

Aug

19	Concrete S. Pier Caisson	31 sks	Cement
22	" N " "	33 "	"
26			
27	Covering Slab in S pier	141	"
28	" " " N "	144	"

Sep 2 - Concrete N pier W Ele 6.86
used cement up to Ele 4.38 - 93 sk
" " " " " 6.88 - 38 "
131

Sep 3. Concrete S pier to Ele 6.88
used cement up to ele. 4.38 87 sks
" " " " " 6.88 40 "
127

Sep 10	Concrete E. half of S. abutment	196	"
" 11	" Caisson N. abutment	48	"
" 12	" N. half of S. abutment	220	"
" 13	" 2 footings for pier S. end.	3	
Sep 19	" N abutment	798	"

64 ✓
285 ✓
131 ✓
127 ✓
196 ✓
803

170

73
1100
803
297
220
77

Xtra Time
Aug 19 - Enger 1 da
Sep 19 Merkel 2 days

Sep 23 - ½ da
" 24 - 1
" 25 - 1
} Sidewalk

19	Aug 8th	375 sks.	GG-	Cement	samples.
22	" 9	425	"	"	"
26	" 11	300	"	"	"
27		1100			
28		617			
		516			
Sep 2	Sep 6	350	"	"	Samples Sep 8
	" 8	140	"	"	"
	" 9	160	"	"	"
	" 12	120			"
Sep 3	" 13	60			"
	" 18	120			"
	" 19	100			"
Sep 1					
" 1					
" 1					
" 1					
Sep 1					

Ele. on stirrup of S.W. cor.
of Abutment 12 48

Inches to decimals of a foot

1 inch	=	.083	.08
2 "	=	.166	.17
3 "	=	.25	.25
4 "	=	.333	.33
5 "	=	.416	.42
6 "	=	.5	.5
7 "	=	.583	.58
8 "	=	.666	.67
9 "	=	.75	.75
10 "	=	.833	.83
11 "	=	.916	.92

749
5771 2
6520 2