W 256

El Capitan Site #3
Test Pit Logs

Property of

Bureau of Water Development -
City of San Diego, Calif -

(1)
Test Pits at
El Capitan Dam #3.

MICROFILMED

Ford #107
Chev #61
Federal Truck #128

Our Leather Bound Engineers Note Books are carried in the following rulings:

No. 380 **LEVEL BOOK.** Left and Right Hand Page the same as Left Hand Page of this Book.

No. 382 **FIELD BOOK.** Left Hand Page as in this Book, Right Hand Page 4 x 4 to the inch, Center Line Red.

No. 384 **MINING TRANSIT BOOK.** Left Hand Page as in this Book, Right Hand Page 8x8 to the inch, Center Line Red.

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THE FREDERICK POST CO.

ENGINEERING and DRAFTING SUPPLIES

IRVING PARK STATION

CHICAGO, ILL.

Buttress #21.

Not Started

+ 1.1

Buttress #20.

20.85 = 0.0

0.0 — 1.5   Top Soil.

1.5 — 17.0   D.G.   3/1/28

17.0 — 23.5. D.G. + Granite Boulders. 3/5/28

23.5 — 25.5 Hard D.G. + Granite Boulder 3/8

25.5 — 27.0   Hard D.G.   A.M. 3/9

27.0 — 30.0   "   "   "   3/10

38.5 = 0.0

0.0 -- 1.5   Top Soil.

1.5 - 20.0   D.G.   3/1/28

26.0 - 26.0   D.G.   3/5/28

26.0 - 30.0   D.6.   3/9/28   A.M.

90' wire
4 posts

4 | 12/24
4 | 12/27
9 | 12/28
9 | 12/29   9¼ yds
9 | 1-4
   | 1-6-7   3 yds
   | 1-21-
   | 2-2

+39.0

45"

38.5

39.0

8.0

15.5

Axis

+38.0

8.0
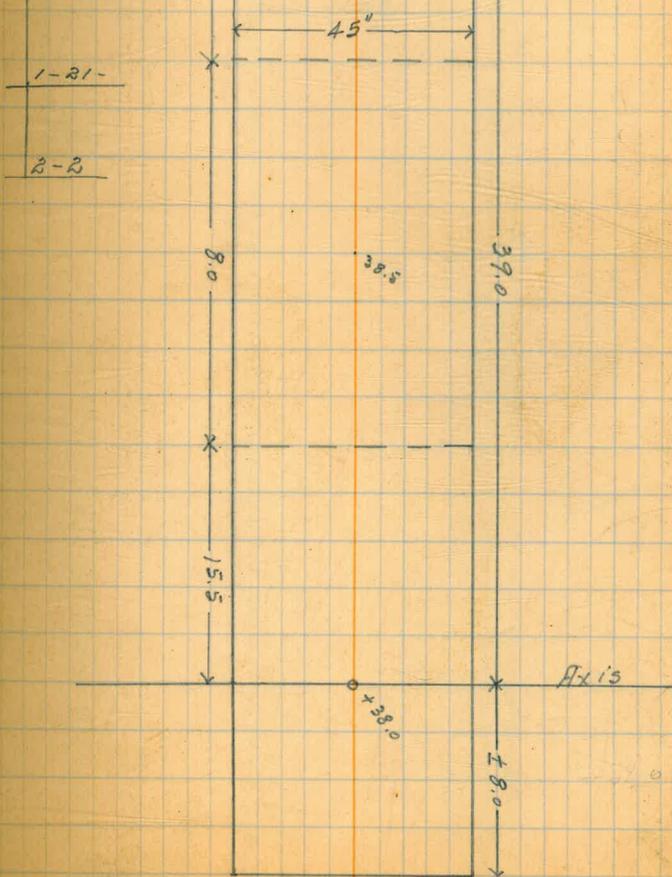
2073
38.5
20 34.5

5 x 15
18

58.0 = 0.0

0.0 - 1.5 Top Soil.

1.5 - 25.0 D.G.

Note - Wet hole -
Spring at Elv. -15.0

8.0 ft of Water 3/1/28

Right side (drawing annotations):

0

1. 12/24	
1. 12/27	
1. 12/28	6½ yds
8 1-4	
1-5	
1-7	5 yds
1-21	

10

2-1

70

30

59.1

25.55

53 ¾"

8.0

0.58.0

59.1

25.55

0.57.7

Axis

#2.

72.8 = 0.0

0.0 — 2.0   Top soil —

2.0 — 7.0   D.G.   3/1/28

#1.   Elev. 673.0

77.5 = 0.0

0.0 — 1.5   Top Soil.

1.5 — 8.0   D.G.

8.0 — 13.0 Rock   3/1/28   Try another round

13.0 — 17.0 D.G. + Rock

264' W
8 Posts

Buttress #16. (In Road)

1

13.2.4 = 0.0

0.0 – 1.0   Top Soil - D.G Showing - Small Boulders -

1.0 – 6.0   D.G.

6.0 – 9.0   Rock   62+.5   3/1/28

9.0 – 11.0   Seamed Rock in Place

11.0 – 16.5   "   "   + D.G.

1

121.0 = 0.0   Boulders -

0.0 – 4.0 -   "   3/1/28

4.0 – 9.0   D.G.

9.0 – 9.0   Rock
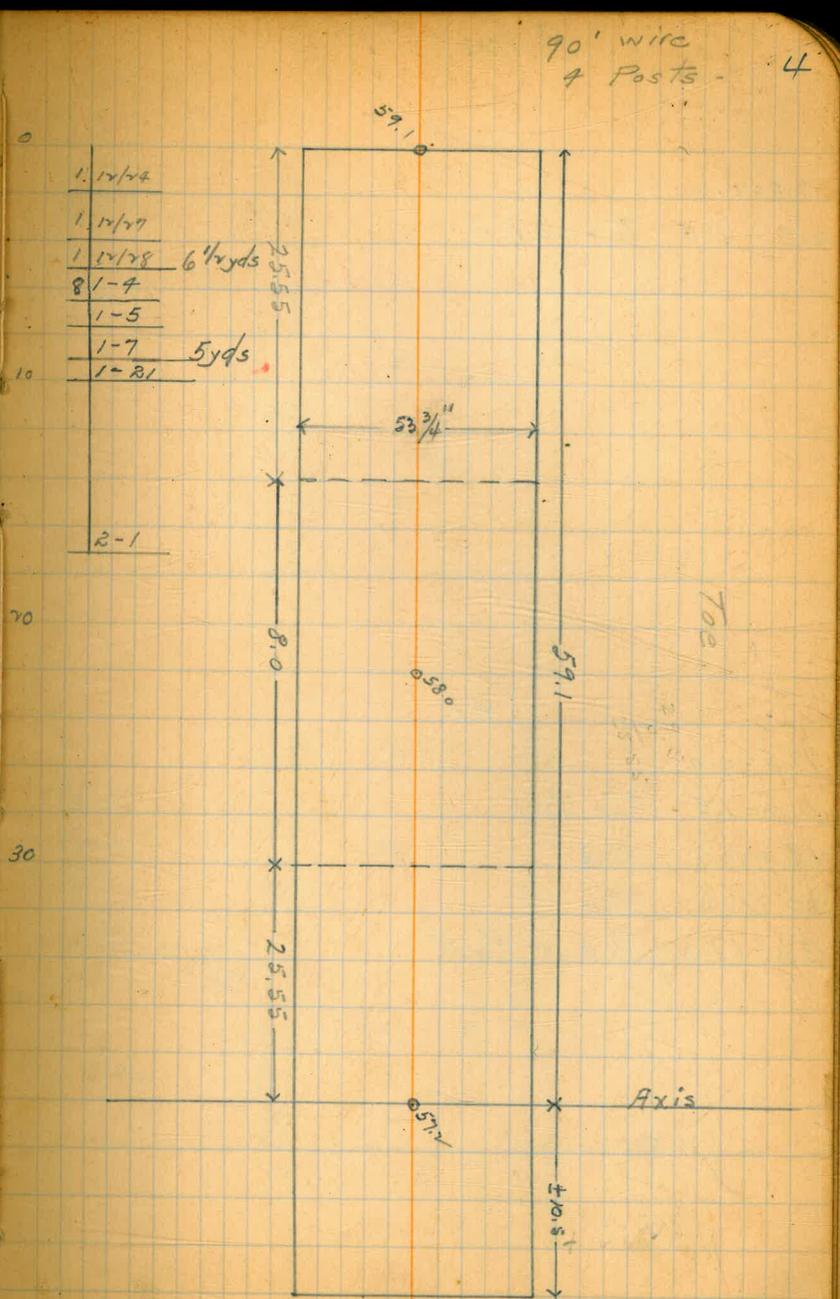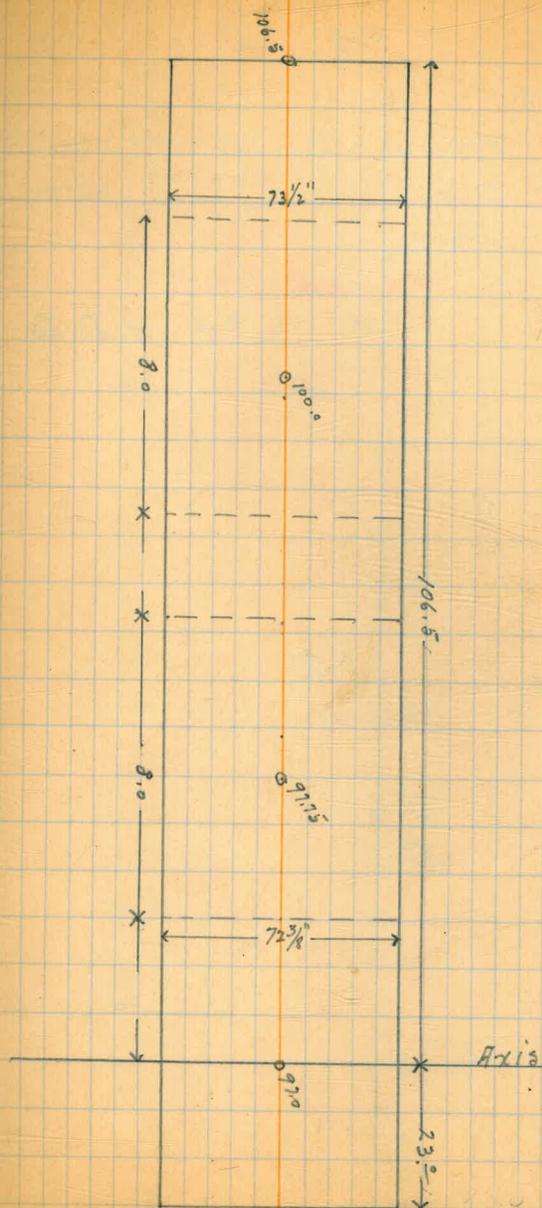
Buttress #14.
(In River Channel)

Not Started

132.
0.0 —
1.0 —
6.0 —
9.0
11.0

121
0.0
4.0
8.0

Buttress #13.
(In River Channel)

Not Started

0 154.7

Buttress #12
In River Channel

Not Started

Buttress #11
In River Channel

Not Started

150.50

0.1475

#2

138.3 = 0.0

0.0 – 1.5   Top soil

1.5 – 12.0 D.G.   Shoot boulder

#1   Eler 613.0

138.0 = 0.0 Boulders showing – Use gun – or BD.

0.0 – 3.0   Boulders

3.0 – 22.0 D.G.

22.0 – 25.0 Med. Hard Granite Rock

240' wire
8 posts

12

#2

5   12/29   7 yds

14 1/2

14 1/3

1 – 5
1 – 6   12 yds
1 – 9

2 – 1

150.5

92½"
138.3

#1

10 12/31   7 yds –

14 1/2

14 1/3

1 – 5
1 – 6   16 yds
1 – 21   Axis

2 – 1

81½"
138.0

#2

122.5 = 0.0

0.0 - 2.0 Top Soil

2.0 - 16.0 D.G.   Bottom on Rock? 6245

#1

114.7 = 0.0

0.0 - 1.0   Top soil

1.0 - 16.0   D.G.

16.0 - 19.0   Rock   Hard Granite   632.3

12	12/31	6 yds
4	1/2	
6	1/3	
6	1-4	
6	1-6	
6	1-7	1.8 yds
	1-9	
	1-10	
	1-11	

#2

85 1/4"

122.5

180 wire
9 posts

13	12/31	6 yds
13	1/2	6 yds
	1-10	
	1-11	
	1-12	
	1-21	
	2-1	

#1

81"

114.7

180 wire
6 posts

81 1/2

116.1

Axis

118.0

2073
116
1957

3) 167.4

55.8
32
23.8
55.8
79.6

75.6
27.8
27.8

2073
115
1958

2073
122.5
1950.5

#R
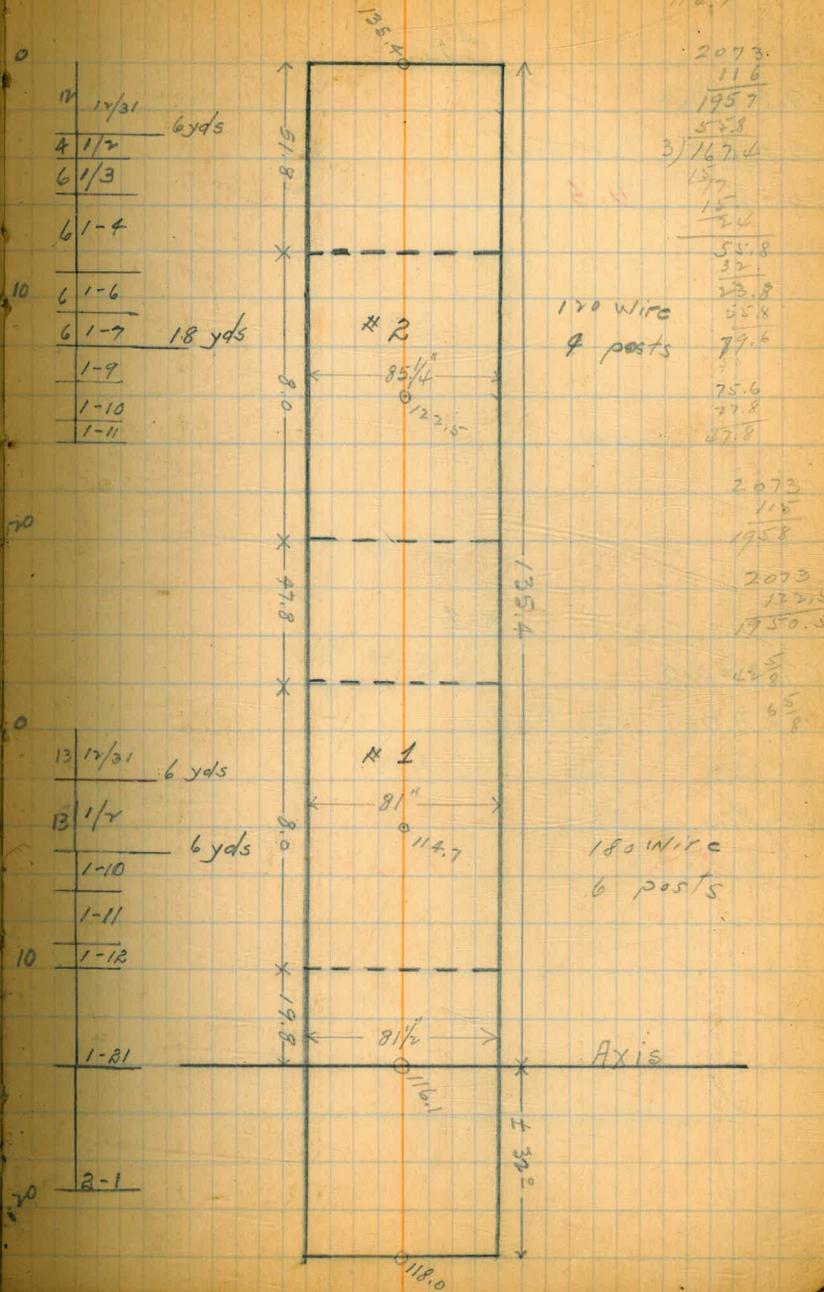
109.3 = 0.0

0.0 - 2.0   Top Soil

2-0 - 6.0   D. G.   2' down on rock

Rock at Elev ± 64 3.7

#1

107.3 = 0.0

0.0 - 2.0   Top Soil

2.0 - 12.0   D G

12.0 - 17.0   Rock   Good. B. R.

14

44
28
31 ½ ¼   47.33
52   28
2073   193.6
47.33
16.66
15.33   23.33
8.00   43.34
36.34
8
39.33
106.00

47.33

2073.
107.3
1965.7

150 wire 39
4 posts 40

30

Axis

114.0

43.33

#2
78"
109.3

Enlarged
1-7-28

Enlarged
1-7-28

114.0

#1
77"
107.3

15.33

180 wire
6 posts

± 28°

107.3

109.3

4 | 17/31   4 yds

17/29
17/30
8 | 17/31   10 yds
8 | 1/v   6 yds
1-11
1-13
1-21
2-1
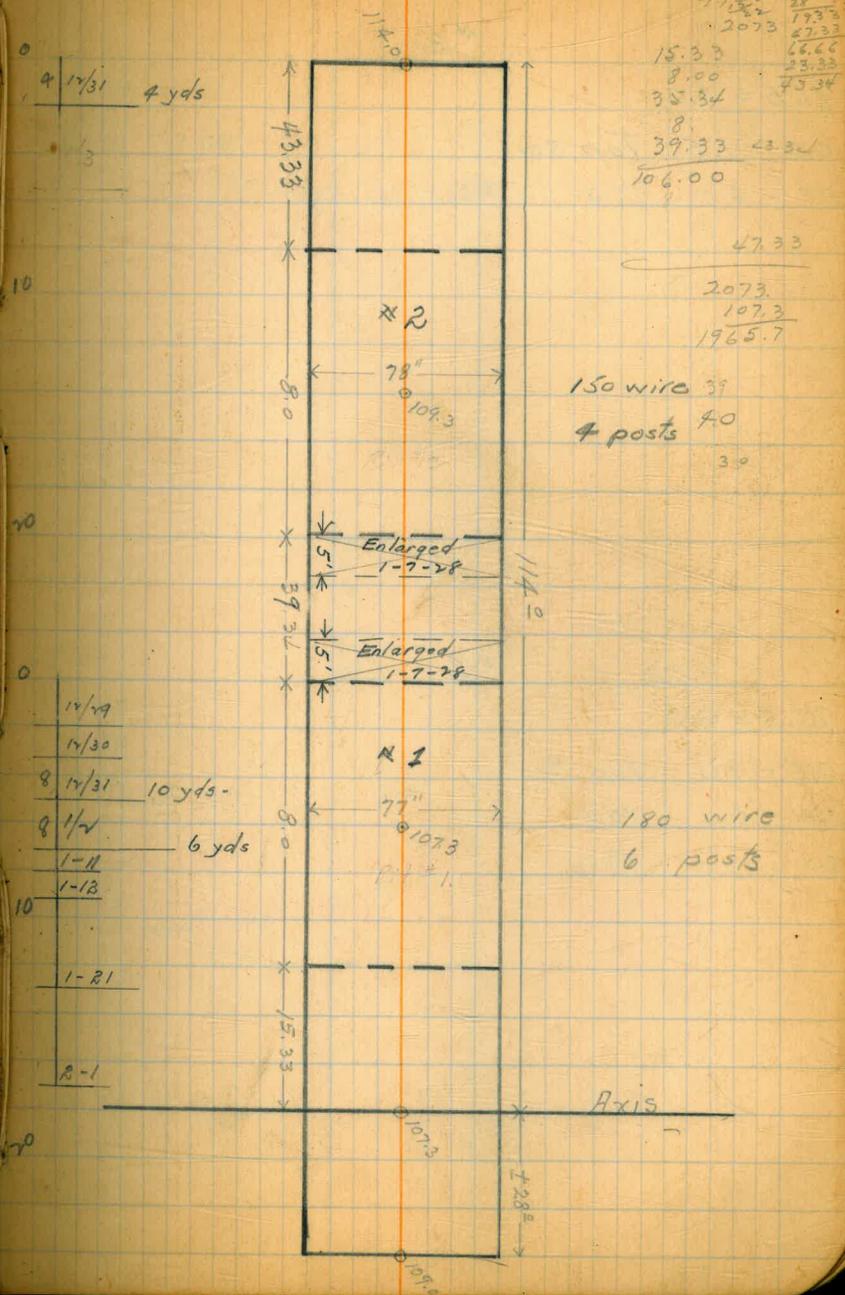
Buttress #1

Rock at Elev. ± 667.5
N 2

91.5 = 0.0

0.0 – 1.5   Top soil

1.5 – 4.0   D.G.   Rock showing –

Hole on top of Rock

Rock at Elev. ± 662.5
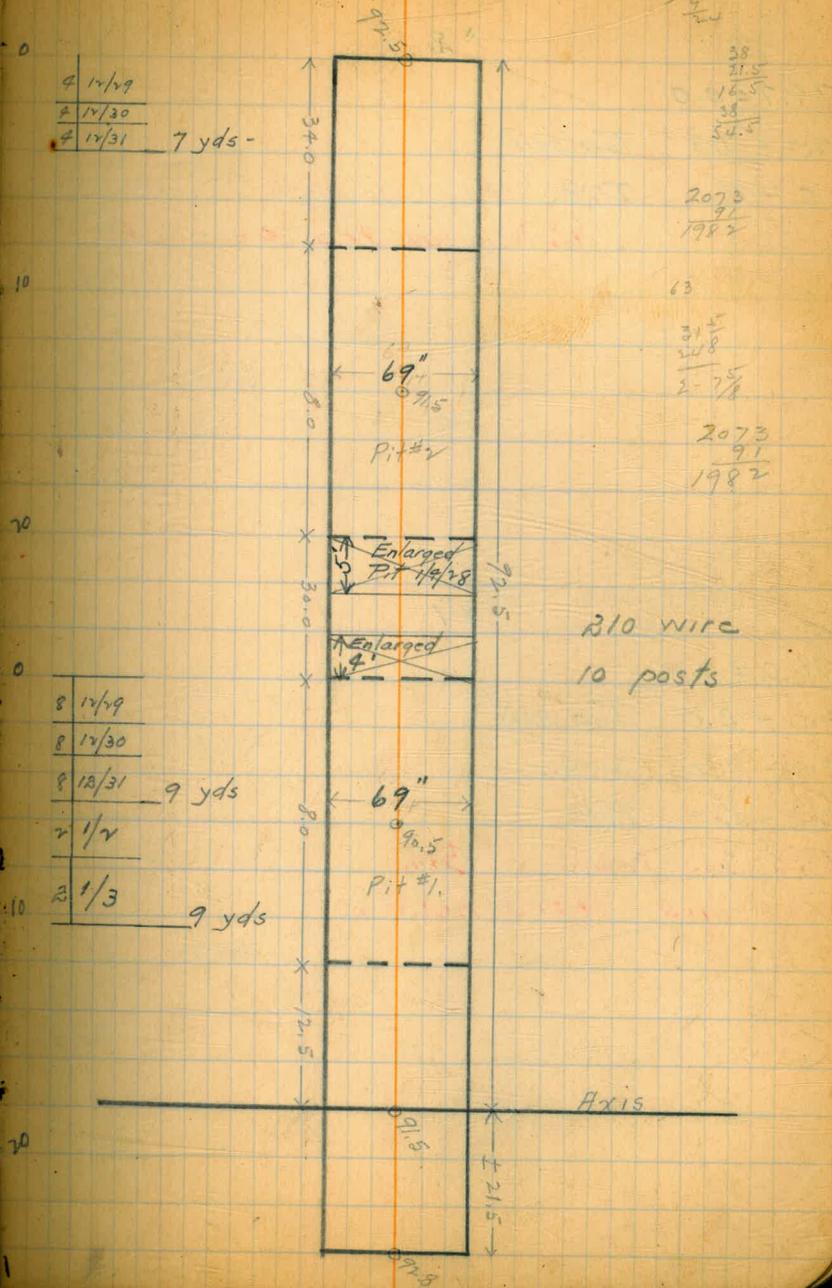# 1

90.5 = 0.0

0.0 – 1.0   Top Soil –

1.0 – 8.0   D.G.

8.0 – 10.0   Rock   Seamed. Test hole
not into Rock but looks like
B.R.

4	12/29	
2	12/30	
4	12/31	7 yds –

8	12/29	
8	12/30	
8	12/31	9 yds
2	1/2	
2	1/3	9 yds

69"
⊙ 91.5

Pit #2

Enlarged
Pit 1/4/28

Enlarged
4'

310 wire

10 posts

69"
⊙ 90.5

Pit #1.

Axis

92.5
21.5
31 | 4.0   13875
5
24

38
31.5
14.5
38
54.5

2073
91
1982

63

31.5
24.8
2 – 7/8

2073
91
1982

#2

74.7 = 0.0

0.0 - 1.5   Top soil

1.5 - 16.0   D.G.

#1

76.0 = 0.0

0.0 - 2.0   Top soil

2.0 - 24.0   D.G.

24.0 - 25.0   Rock

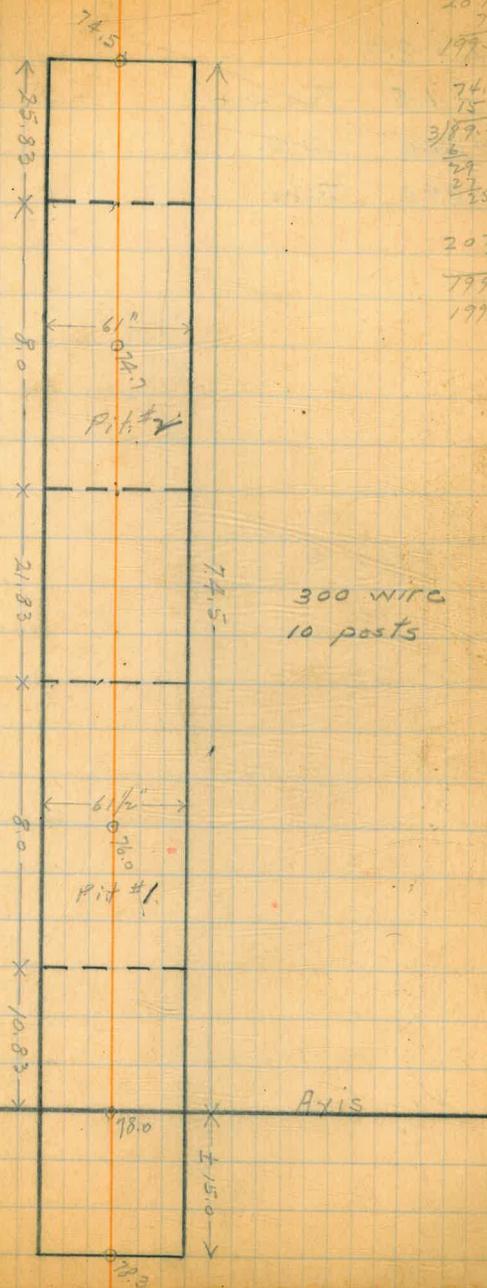25.0 - 28.0 Rock. Mchi.

28.0 - 30.0   Hard Rock.

7	12/29	
7	12/30	
7	12/31	7½ yds
7	1/2	
7	1/3	
7	1/4	
7	1-5	
7	1-6	
7	1-7	12 yds
7	1-11	
	1-12	

	12/29	
	12/30	
5	12/31	7½ yds
5	1/2	
5	1/3	
5	1-4	
5	1-5	
5	1-6	
5	1-7	12 yds
5	1-9-10	
5	1-11	
5	1-12	
	1-21	
	B-1	

300 wire
10 posts

Axis

2073
38
1995

74.5
15
3 | 89.5 | 1398.3
6
29
37
35

2073
747
1397
1998.3

61.7 = 0.0

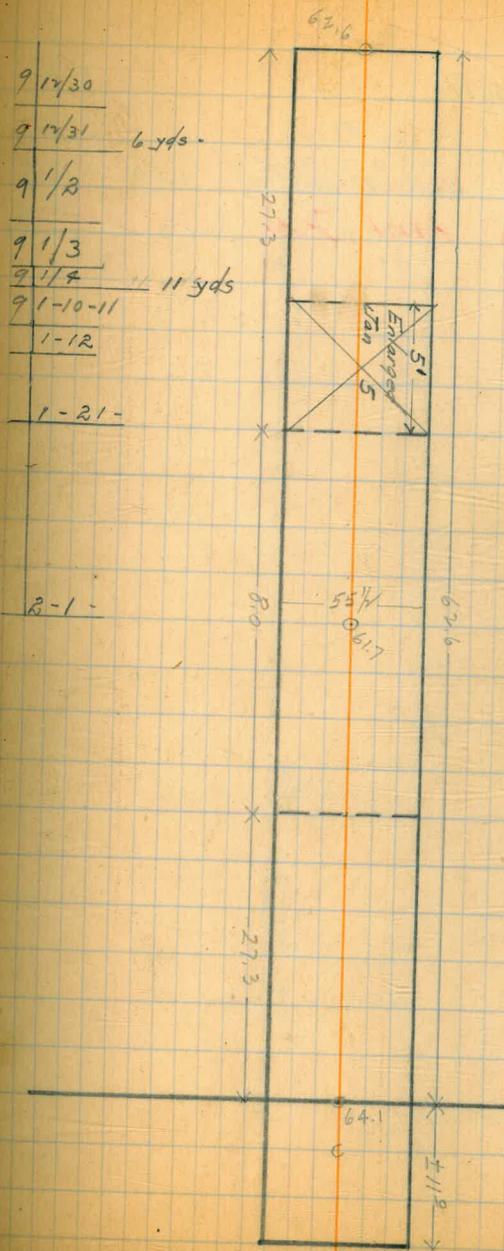0.0 — 1.5   Top Soil—

1.5, — 22.0   D.G.

22.0 — 24.0   Rock — Elel. 678.0

24 — 26.0 Rock Med. Hard.   3/1/28

2.31

9 | 12/30

9 | 12/31   6 yds.

9 | 1/2

9 | 1/3

9 | 1/4   11 yds

9 | 1-10-11

1 - 12

1 - 21 -

2 - 1 -

150 wire
4 posts -

Enlarge
Jan
5

5'

27.3

8.0   55 1/4
61.7

62.6

64.1

27.3

Buttress #4

44.0 = 0.0

0.0 — 1.5 Top soil.

1.5 — 8.0 D.G.   On Rock   On Rock

    12.0 3/1/28 See x section —

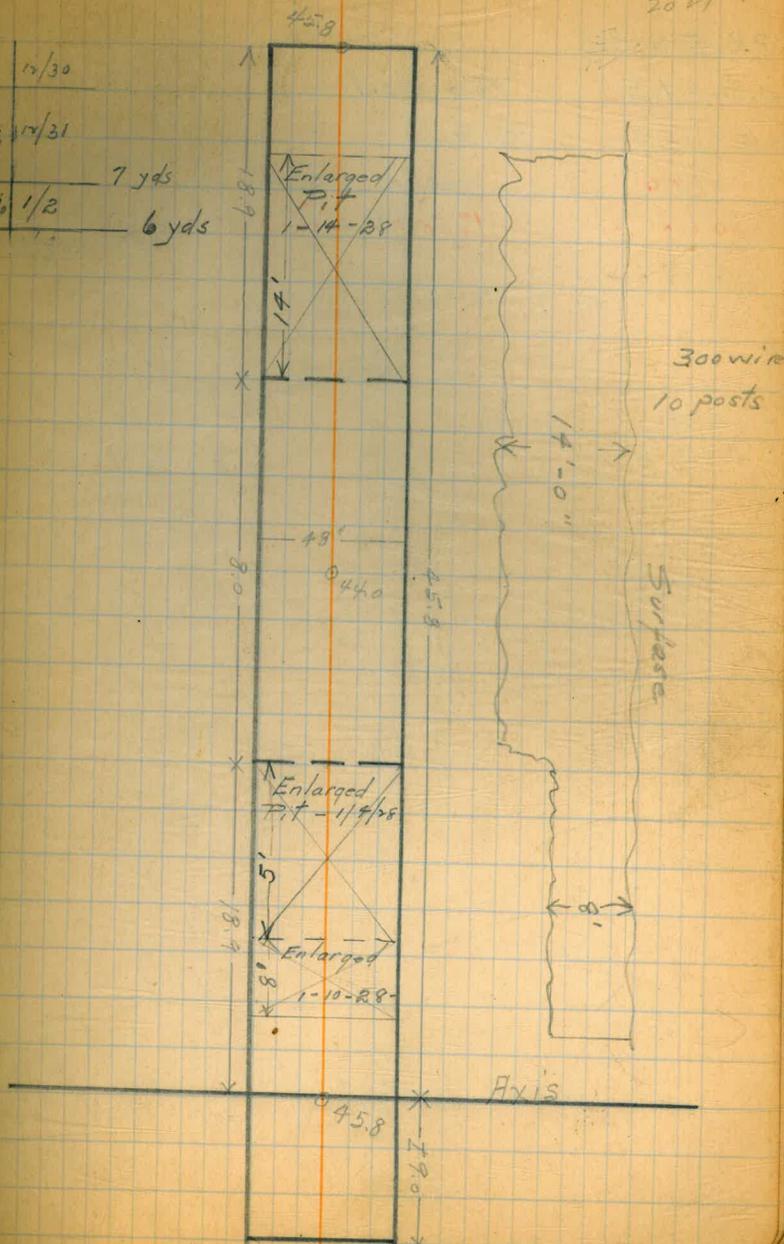8.0 — 16.0 Rock and D.G. Not to B.R.

16.0 — 19.0 ?   "   "   ..   ..

22.9

2073
  44
2029   18

12/30

12/31   7 yds
  1/2   6 yds

Enlarged
Pit
1-14-28

Enlarged
Pit — 1/4/28

Enlarged
1-10-28

300 wire
10 posts

Surface

Axis

32.5 = 0.0

0.0 - 1.5   Top soil -

1.5 - 15.0 -   D.G.

　　　　　see x section

0

10 | 1/2

10 | 1/3

10 | 1/4   11 yds

10 | 1-9-10

　| 8-1

33.1

Extended -
Jan. 5th

5'

15'-0"

43 1/4
⊕ 32.5

8'-0"

12.55

12.55

8'-0"

Axis

⊕ 32.5

2073
325
2040.5

43 1/4
21 5/8
1 9 7/8

150 wire
6 posts

3 23.6 = 0.0

0.0 0.0 – 1.5   Top Soil

1.5 1.5 – 33.0   D.G.   3/1/28

33.0 – 40.0   3/3/28   D.G.

40.0 – 43.0   3/8/28   D.G.

43.0 – 45.0   3/10

0

3 1/2

3 1/3

10

3 1/4

3 1-5

3 1-6

3 1-7   ——— 15 yds

3 1-9

3 1-10

20

B-2

23.3

7.65

8.0   ←— 40" —→   23.3

023.6

7.65

023.6   Axis

2073
23.6
2079.4

150 wire
6 posts

Buttress # 1.

9.6 = 0.0
0.0 - 1.5   Top Soil
1.5 - **15.0**   D.G.   **3/1/28**

0

11   1/2
     1-6
4   1-7   7 yds -
     1-9
10   1-10
     1-11
     1-13
     1-21

9.5 -

9.75

90 wire
4 posts -

← 40" →
⊙ 9.6
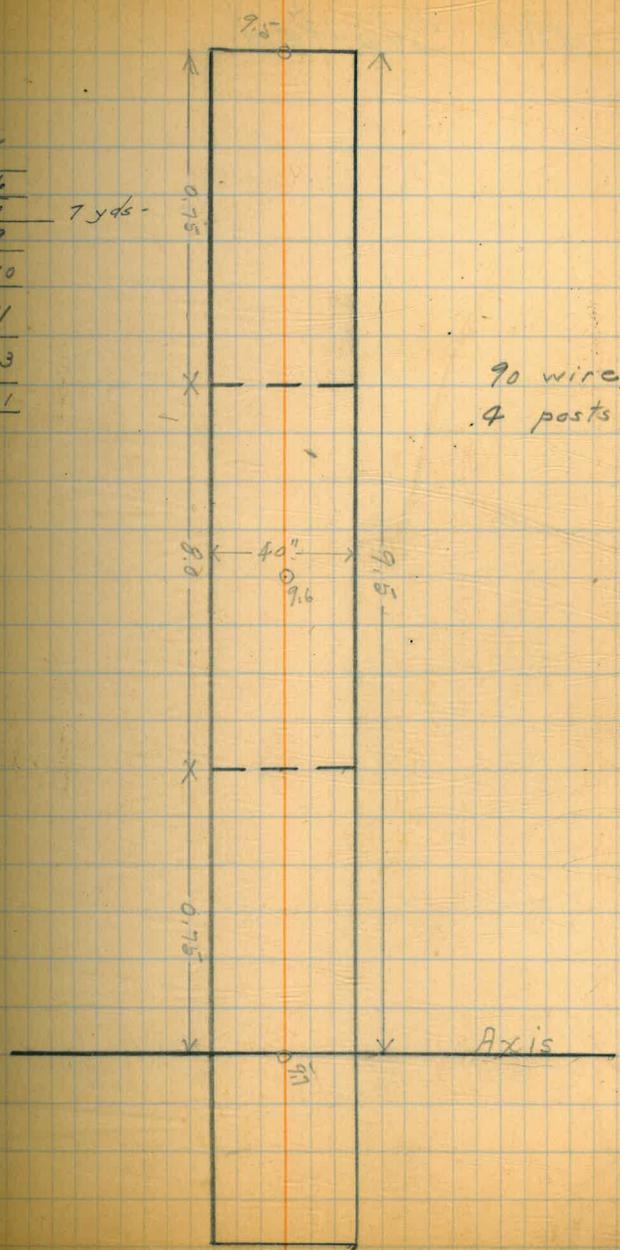
Axis

Buttress # 0.

Not Started.

Pit.	Posts	Wire
1	4	90
2	6	150
3	6	150
4	10	300
5	4	150
$6^1 - 6^2$	10	300
$7^1 - 7^2$	10	250
$8^1 - 8^2$	10	230
$9^1 - 9^2$	10	300
$10^1 - 10^2$	8	240
$17^1 - 17^2$	8	260
18	4	90
19	4	90
20	4	90

98 - 2690

Investigation for Electrolysis
Survey on Meade Ave.

Pump out well N. side 30th & Mad.
Drove electrode alley bet. Ill. & Iowa
Pump out well S.W. cor. Meade & Bancroft
     "   "   "   S.E.   "   "   & 33 Place
     "   "   "   S.E.   "   "   & 37th
     "   "   "   S.E.   "   "   & 41st
Examine wells W. of 30th
Pump out well where pipe
leaves road at creek about 3/4
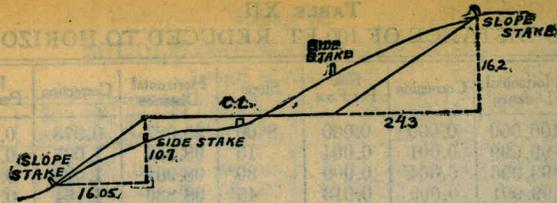mile E. of Meade St.

16" Mission Valley Line 16' lead jts.

Goldcamp (S.D.G&E.Co. Eng.)
Beerman
Hill

4/12/37

24

$$
\begin{array}{r|r}
3 & 8 \\
7 & 6 \\
\hline
1 & 2 \\
8 & 3 \\
\hline
26 & 4
\end{array}
$$

T

IMPROVED TABLES

AND

INFORMATION

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	31.55	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	71.25	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

Computed by L. Leland Locke.
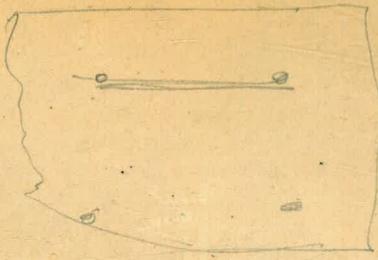
```
+ 8.61        6.2
-  8.33      13.3
  0.28       19.5
              8.6
   J.E.Burford 10.9
B.M.100.00  N. Clement   M 2319
   +  8.61
    108.61
     19.5
     89.1.1

   100.00
    89.00
    11.00
```

(W.W.Holland) Homer Nicholson
O. Becker

(61)

E.14 - 566

Frank E Brown

107 Eng 14340529
     H.S.Kibbey OE 13374

```
2073
  20.15.
20 52.5                    4.5
                            20
                           1'8"
          45.43
            3
92 1/4   135.39
46 1/4
  3  10 1/4
                  61      42
40 1/4          30 1/2   3 6"
                2 6 1/2
```

1 - TEE
6 7 - ELLS 1st ELL -
           434 3 85
1 -   4'- 6"
1 - pc - 1" - 18'- 6"
1 " 1" — 32"

Make up 30" — 2 nip 1 union

1 pc - 24"
1 - 5'- 6"
  - 2'- 2"
2 nip & cock make up to 8"

W680L   345-17

6055