

W-458

WATER

LEVEL BOOK

W-458

WATER

MICROFILMED
JUN 13 1965

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There are two
F-B's #458

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- No. 380 LEVEL BOOK. Left and Right Hand Page the same as Left Hand Page of this Book.
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75 NEW MONTGOMERY ST.
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AGENTS FOR

"BUFF" and "BERGER" TRANSITS and LEVELS
"GURLEY" SURVEYING and HYDRAULIC INSTRUMENTS
"CHICAGO" STEEL TAPES, etc.

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Original X sections for
Hog Box Spoil Area 1 - 10
Final X-sec. of Spoil Bank South of Spillway 11 - 56
check levels for above - Page 79

SAN DIEGUITO RESERVOIR, BOUNDARY SURVEY - PROPERTY CORNERS PLACED ✓ 57-62
alice

10-20-51 SAN DIEGUITO CONDUIT
Measmt of E 1/4 SEC 14, T13S R3W 63 ✓
E R 5 476 64 ✓
Access Road Traverse # work Area 65-67 ✓
Ties From E 1/4 Cor to Orig Cor # 68 ✓
Conduit Stationing

1-21-54 SAN DIEGUITO CONDUIT, SLY R/W OF } 69. ✓
R 5 476 & 333 STAKED FOR } *alice*
FEN. LINE; Rancho Santa Fe to
E. LINE SEC 22.

5/15/56 Hodges Dam Annexation Survey 70-71 ✓

5/19/56 San Dieguito Dam Annexation Survey 72 ✓

6/1/56 Lockwood Mesa Annexation Survey 73-74
alice

Feb. 15, 1934

Simpson
Saper
Remmen

X Sections of Spoil Area East of
Spillway, For Material Wasted from the
"Hog Box".

T.P. 8.98 ^{transit} 689.53 680.55 ^{see Book} 448-Pg. 79

T.P. 12.56 676.97

0.46 ^{level} 677.43

689.53

E 5720

N 40 70 4.6 84.9

60 11.7 77.8

677.43

50 4.9 72.5

40 7.3 70.1

26 10.9 66.5

E 5710

40 31 14.2 63.2

40 12.1 65.3

50 8.3 69.1

60 1.6 75.8

689.53

70 6.6 70.8

T.P. 11.90 677.63 ^{Rec. E/ev} 677.64

Continued From Book # 448

1.

689.53

E 5700

40 80 2.3 687.2

70 8.9 80.6

677.43

60 5.3 84.2

50 11.3 78.2

T.P. 12.57 664.86

0.44 ^{transit} 665.30

40 6.6 58.7

30 12.1 53.2

20 12.9 52.4

10 13.3 52.0

4000 13.8 51.5

3988 14.2 51.1

80 9.9 55.4

E 5690

3990 10.9 54.4

94 13.2 52.1

4000 13.3 52.0

10 12.6 52.7

20 11.9 53.4

30 11.5 53.8

38 10.7 54.6

50 4.3 61.0

677.43 E 5690
 4060 7.3 670.1
 70 0.6 76.8

E 5680
 4070 3.8 73.6
 60 11.3 66.1

665.30
 50 6.6 58.7
 45 9.7 55.6
 40 10.2 55.1
 30 10.6 54.7
 20 11.1 54.2
 10 12.0 53.3
 4000 11.1 54.2

E 5670
 4007 11.1 54.2
 20 10.6 54.7
 30 9.8 55.5
 40 9.2 56.1
 50 8.7 56.6

677.43
 60 12.0 65.4
 70 4.1 73.3

2
 677.43 E 5660
 4070 6.2 671.2
 665.30

60 3.8 61.5
 55 7.4 57.9
 50 7.8 57.5
 40 8.3 57.0
 30 8.9 56.4
 4016 9.4 55.9

E 5650
 4023 7.9 57.4
 30 8.2 57.1
 40 7.4 57.9
 50 6.9 58.4
 60 6.2 59.1

677.43
 70 11.7 63.7
 80 2.9 74.5

E 5640
 4080 5.2 72.2

665.30
 70 2.0 63.3
 65 4.9 60.4
 60 5.5 59.8
 50 5.8 59.5

665.30

E 5640

4040	6.4	658.9
31	7.0	58.3
4028	5.7	59.6

E 5630

4030	4.9	60.4
40	5.4	59.9
50	4.8	60.5
60	4.3	61.0
73	3.5	61.8

E 5620

4078	2.0	63.3
70	2.6	62.7
60	3.2	62.1
50	3.7	61.6
40	3.8	61.5
35	1.9	63.4

E 5610

4040	1.0	64.3
45	2.4	62.9
50	2.7	62.6
60	2.0	63.3
70	1.4	63.9
82	0.9	64.4

665.30

E 5600

4090	+3.5	668.8
80	+0.3	65.6
70	0.2	65.1
60	1.0	64.3
50	1.1	64.2
4043	0.0	65.3
T.P.	12.55	652.75

Put these, etc., on Sec.
because of a later date
1934

on Red Head
N4010-5690

Feb. 16, 1934

Jumpson
Soper
Remmen.

T.P.

652.75

1.88 654.63

E 5710

4028	+1.0	655.6
23	2.6	52.0
10	3.5	51.1
4000	4.0	50.6
3990	4.6	50.0
84	4.6	50.0
75	0.0	51.6

E 5720

3969	+0.7	53.3
79	5.5	60.1
90	5.3	59.9

	654.63	E 5720
4000	4.8	649.8
10	4.3	50.3
15	4.0	50.6
20	1.2	53.4
		<u>E 5730</u>
4012	4.8	49.8
4000	5.7	48.9
3990	6.1	48.5
80	6.6	48.0
74	6.5	48.1
3962	0.4	54.2
		<u>E 5740</u>
3957	1.4	53.2
68	7.3	47.3
80	7.4	47.2
90	6.9	47.7
4005	6.2	48.4
		<u>E 5750</u>
4000	7.4	47.2
3990	7.7	46.9
80	8.3	46.3
70	8.6	46.0
62	8.6	46.0
56	5.0	49.6
3950	4.2	50.4

	654.63	E 5760
3948	6.4	648.2
55	9.3	45.3
60	9.6	45.0
70	9.5	45.1
80	8.9	45.7
3992	8.5	46.1
		<u>E 5770</u>
3988	9.4	45.2
80	9.7	44.9
70	10.3	44.3
60	10.5	44.1
50	10.5	44.1
45	8.4	46.2
		<u>E 5780</u>
3940	11.2	43.4
50	11.7	42.9
60	11.3	43.3
70	10.9	43.7
81	10.5	44.1
87	7.3	47.3
		<u>E 5790</u>
3986	5.0	49.6
76	11.3	43.3
70	11.6	43.0

654.63 E 5790

3960	12.0	642.6
50	12.3	42.3
40	12.4	42.2
3936	11.7	42.9

E 5800

3930	13.8	40.8
40	13.2	41.4
50	13.1	41.5
60	12.7	41.9
70	12.4	42.2
3985	5.8	48.8

E 5810

3979	7.1	47.5
65	13.6	41.0
T.P.	12.78	641.85

1.92 643.77

60	2.7	41.1
50	3.0	40.8
40	3.3	40.4
3930	2.1	41.7

E 5820

3924	3.8	40.0
30	3.9	39.9
40	4.1	39.8

5

643.77 E 5820

3950	3.8	640.0
61	3.5	40.3
70	+1.9	45.7

E 5830

3957	4.4	39.4
50	4.7	39.1
40	5.0	38.8
30	5.3	38.5
23	4.1	39.7

E 5840

3921	5.8	38.0
25	6.6	37.2
35	6.1	37.7
41	5.6	38.2

E 5850

3947	6.6	37.2
40	7.0	36.8
30	7.3	36.5
17	7.0	36.8

E 5860

3909	8.2	35.6
20	8.5	35.3
30	8.2	35.6
43	7.8	36.0

643.77

E5870

3941	7.0	636.8
36	9.1	34.7
30	9.3	34.5
20	9.6	34.2
11	9.6	34.2
3905	8.7	35.1

E5880

3903	9.9	33.9
09	11.0	32.8
20	10.6	33.2
33	10.3	33.5
44	4.5	39.3

T.P. 11.25 632.52

Start Mar 5 - 1934

Elliott - Soper - Remmen

T.P. 1.83 634.35 632.52

E5880

3890	10.1	24.3
3875	10.9	23.5

634.35 E5870

3890	9.8	624.6
3875	10.6	23.8

E5860

3877	10.9	23.5
80	10.2	24.2
93	9.5	24.9

E5850

3898	9.1	25.3
82	9.8	24.6

E5840

3884	9.3	25.1
90	9.4	25.0
3902	8.9	25.5

E5830

3905	8.4	26.0
3895	8.8	25.6
85	9.1	25.3
T.P.	10.90	636.73
	8.52	625.83

E5820

3885	11.2	25.5
3900	10.9	25.8
07	10.4	26.3

636.73

E5810

3910	10.1	26.6
3900	10.4	26.3
3885	10.1	26.6

E5800

3885	10.5	26.2
3900	10.0	26.7
3912	9.7	27.0

E5790

3916	9.4	27.3
3900	9.6	27.1
3886	8.7	28.0

E5780

3878	10.6	26.1
86	10.1	26.6
90	8.0	28.7
3895	9.4	27.3
3905	9.1	27.6
3919	9.3	27.4

E5770

3921	8.9	27.8
3910	8.8	27.9
3900	8.7	28.0
3895	6.9	29.8
3885	9.5	27.2

7

636.73

E5760

3882	9.1	27.6
88	9.5	27.2
95	6.1	30.6
3900	8.5	28.2
10	8.5	28.2
23	8.6	28.1
30	3.8	32.9
40	+5.0	41.7

E5750

3941	+5.3	42.0
39	+0.6	37.3
22	8.3	28.4
10	8.2	28.5
3900	8.5	28.2
3895	5.6	31.1
85	8.1	28.6

E5740

3885	8.4	28.3
90	7.4	29.3
3900	7.2	29.5
10	8.0	28.7
20	8.0	28.7
28	8.2	28.5
42	0.6	36.1
43	+5.4	42.1

636.73 E5730

T.P.	6.71	640.89	2.55	634.18
3945			+1.0	41.9
3944			5.9	35.0
35			11.7	29.2
30			12.1	28.8
15			11.9	29.0
3900			12.1	28.8
88			11.6	29.3

E5720

3892			12.1	28.8
3900			10.5	30.4
10			11.8	29.1
20			11.7	29.2
36			11.9	29.0
49			6.5	34.4
53			+3.4	44.3

E5710

3958			+1.8	42.7
55			2.9	38.0
42			11.5	29.4
30			11.6	29.3
20			11.5	29.4
10			11.7	29.2
3897			12.1	28.8

640.89 E5700

3905			11.5	629.4
20			11.3	
30			11.3	
44			11.3	
63			0.6	
67			+3.4	

E5690

3973			+4.0	
70			2.6	
60			5.8	
50			11.1	
40			11.2	
30			11.2	
20			11.2	
12			10.9	

E5680

3921			11.3	
40			11.0	
59			11.1	
70			5.7	
74			2.9	
79			+3.8	

	640.89	E5670
T.P.	0.38	640.82
		0.45 640.44
3990		+2.6
80		2.8
65		10.7
50		10.7
27		10.9

E5660

3930	11.0
45	10.8
60	10.5
73	10.4
90	0.9
4000	+4.6

E5650

4010	+7.3
4000	+0.5
3990	5.4
82	9.5
70	10.2
50	10.6
40	11.6
35	10.5

640.82 E5640

3935	10.5
50	10.5
65	10.1
88	9.3
4000	2.0
10	+4.8

5630 E

4010	+3.0
4000	4.0
90	9.7
70	10.0
55	10.2
50	7.6
45	9.1

E5620

4055	10.6
70	9.9
92	9.6
4000	4.7
10	+2.2

640.82 E5610

4010 +0.8 641.6

3995 8.7

85 9.6

70 9.9

60 10.2

E5600

60 8.4 632.4

65 9.9 630.9

80 9.7 631.1

97 9.4 631.4

4010 1.4 639.4

25 +9.7 650.5

T.P. 12.22 628.60

0.88 629.48

13.00 616.48

1.41 617.89

10.47 607.42 607.30

Put these Elb on Sec.
% of latter date
BRH

Final XSections of Spoil Bank South
of Spillway - Dec. 1-1934.

See Page 79 For Level Notes.

"A"
742.83

E 5040 = 0.0

E5050

N 4204	0.0	C. 742.8
4200	0.1	742.7
4190	0.3	742.5
80	0.3	742.5
70	+0.2	R. 743.0

E5060

4207	+0.2	C. 743.0
4200	0.4	742.4
4190	0.8	742.0
80	0.9	741.9
70	1.1	741.7
60	1.2	741.6
50	1.2	741.6
4140	1.2	R. 741.6

B.C.H. Reduced and Plotted on Spillway Roll Dec 34
 Checked By F.D.

Simpson
Super
Tablet
Remmen.

"A"
742.83

E5070

4125	3.1	R. 739.7
30	2.8	740.0
40	2.6	740.2
50	2.4	740.4
60	2.2	740.6
70	2.1	740.7
80	1.5	741.3
90	1.0	741.8
4200	0.3	742.5
4211	+0.2	C. 743.0

E5080

4214	+0.2	C. 743.0
10	+0.2	743.0
4200	0.3	742.5
90	1.2	741.6
80	1.9	740.9
70	2.6	740.2
60	3.2	739.6
50	3.6	739.2
40	3.9	738.9
30	4.6	738.2
20	5.5	737.3
4114	6.7	R. 736.1

Plotted Dec 34

"A"
742.83

E5090

4110	9.7	R. 733.1 ✓
15	7.6	735.2 ✓
20	7.0	735.8 ✓
30	6.2	736.6 ✓
40	5.6	737.2 ✓
50	4.7	738.1 ✓
60	4.0	738.8 ✓
70	3.1	739.7 ✓
80	2.4	740.4 ✓
90	1.7	741.1 ✓
4200	0.9	741.9 ✓
10	0.2	742.6 ✓
4218	+0.2	c. 743.0 ✓

E5100

4220	+0.2	c. 743.0 ✓
10	0.7	742.1 ✓
4200	1.4	741.4 ✓
90	2.2	740.6 ✓
80	2.9	739.9 ✓
70	4.0	738.8 ✓
4160	4.8	738.0 ✓

Plotted on Spelway Roll #3 Dec. 74

E5100

"A"
742.83

4150	5.7	737.1 ✓
40	6.6	736.2 ✓
30	7.5	735.3 ✓
20	8.7	734.1 ✓
15	8.9	733.9 ✓
10	12.1	730.7 ✓
4101	17.6	R. 725.2 ✓

E5110

"B"
728.46

4100	6.8	R. 721.7 ✓
	"H" 742.83	
10	14.6	728.2 ✓
15	11.1	731.7 ✓
20	9.9	732.9 ✓
30	8.6	734.2 ✓
40	7.6	735.2 ✓
50	6.6	736.2 ✓
60	5.6	737.2 ✓
70	4.6	738.2 ✓
80	3.8	739.0 ✓
4090	2.8	740.0 ✓

E5110

"A"
742.83

4200	1.8	741.0 ✓
10	1.0	741.8 ✓
20	0.2	742.6 ✓
4224	+0.2	C. 743.0 ✓

E5120

4227	+0.2	C. 743.0 ✓
20	0.4	742.4 ✓
10	1.2	741.6 ✓
4200	2.3	740.5 ✓
90	3.5	739.3 ✓
80	4.5	738.3 ✓
70	5.4	737.4 ✓
60	6.5	736.3 ✓
50	7.7	735.1 ✓
40	8.7	734.1 ✓
30	9.7	733.1 ✓
18	11.6	731.2 ✓
10	"B" 728.46	
10	3.1	725.4 ✓
4100	11.0	717.5 ✓
4094	14.5	R. 714.0 ✓

E5130

"C"
716.38

4090	8.4	R. 708.0 ✓
4100	2.0	714.4 ✓
	"B" 728.46	
10	7.7	720.8 ✓
	"H" 742.83	
20	15.1	727.7 ✓
25	11.4	731.4 ✓
30	11.4	731.4 ✓
40	9.7	733.1 ✓
50	8.5	734.3 ✓
60	7.3	735.5 ✓
70	6.2	736.6 ✓
80	5.1	737.7 ✓
90	4.0	738.8 ✓
4200	2.9	739.9 ✓
10	1.8	741.0 ✓
20	0.8	742.0 ✓
4231	+0.2	C. 743.0 ✓

Plotted on Sperry Roll #3 Dec. 30

E5140

"A"
742.83

4234	+0.2	C. 743.0	✓
30	0.3	742.5	✓
20	1.2	741.6	✓
10	2.3	740.5	✓
4200	3.3	739.5	✓
90	4.5	738.3	✓
80	5.7	737.1	✓
70	6.9	735.9	✓
60	8.3	734.5	✓
50	9.3	733.5	✓
40	11.0	731.8	✓
35	11.3	731.5	✓
	"B" 728.46		
30	0.4	728.1	✓
20	6.0	722.5	✓
10	11.4	717.1	✓
	"C" 716.38		
4100	5.5	710.9	✓
4089	13.8	R. 702.6	✓

Blotted Dec 30

E5150

"C"
716.38

4090	16.4	R. 700.0	✓
4100	10.9	705.5	✓
10	5.3	711.1	✓
	"B" 728.46		
20	11.6	716.9	✓
30	4.8	723.7	✓
	"A" 742.83		
40	13.1	729.7	✓
43	11.3	731.5	✓
50	10.7	732.1	✓
60	9.2	733.6	✓
70	7.6	735.2	✓
80	6.2	736.6	✓
90	5.1	737.7	✓
4200	3.9	738.9	✓
10	2.8	740.0	✓
20	1.9	740.9	✓
30	0.6	742.2	✓
38	+0.2	C. 743.0	✓

Blotted Dec 30

E5160

"H"
742.83

4241	+0.2	C. 743.0 ✓
30	1.0	741.8 ✓
20	2.3	740.5 ✓
10	3.4	739.4 ✓
4200	4.4	738.4 ✓
90	5.6	737.2 ✓
80	6.8	736.0 ✓
70	8.5	734.3 ✓
60	10.4	732.4 ✓
50	11.8	731.0 ✓
	"B" 728.46	
40	4.1	724.4 ✓
30	11.1	717.4 ✓
	"C" 716.38	
20	4.9	711.5 ✓
10	10.3	706.1 ✓
4100	15.7	700.7 ✓
4095	20.2	R. 696.2 ✓

Plotted Dec. 34

E5170

15

"Z"
699.50

4095	6.3	R. 693.2 ✓
4100	5.5	694.0 ✓
	"E" 716.38	
4110	16.5	699.9 ✓
20	10.4	706.0 ✓
30	5.0	711.4 ✓
	"B" 728.46	
40	9.5	719.0 ✓
50	4.4	724.1 ✓
	"H" 742.83	
60	14.2	728.6 ✓
69	9.4	733.4 ✓
80	7.7	735.1 ✓
90	6.1	736.7 ✓
4200	5.0	737.8 ✓
10	4.0	738.8 ✓
20	2.5	740.3 ✓
30	1.5	741.3 ✓
40	0.4	742.4 ✓
44	+0.2	C. 743.0 ✓

Plotted Dec. 34

E 5180

"A"
742.83

4247	+0.2	C. 743.0	✓
40	0.7	742.1	✓
30	1.9	740.9	✓
20	3.1	739.7	✓
10	4.5	738.3	✓
4200	5.4	737.4	✓
90	6.9	735.9	✓
82	8.3	734.5	✓

"B"
728.46

70	+0.3	728.8	✓
60	4.1	724.4	✓
50	10.2	718.3	✓

"C"
716.38

40	1.8	714.6	✓
30	9.2	707.2	✓
41 20	15.9	700.5	✓

"Z"
699.50

10	4.7	694.8	✓
4100	10.5	P. 689.0	✓

Plotted Dec. 34

16

E 5190

"Z"
699.50

4100	14.0	R. 685.5	✓
10	9.3	690.2	✓
20	3.2	696.3	✓

"C"
716.38

4130	13.2	703.2	✓
40	7.7	708.7	✓
50	1.4	715.0	✓

"B"
728.46

60	5.7	722.8	✓
63	4.0	724.5	✓
71	4.4	724.1	✓

"A"
742.83

80	13.6	729.2	✓
87	8.8	734.0	✓
90	7.7	735.1	✓
4200	6.1	736.7	✓
10	4.6	738.2	✓
20	3.5	739.3	✓
30	2.4	740.4	✓
40	1.1	741.7	✓
51	+0.2	C. 743.0	✓

Plotted Dec. 34

E 5200

"A"
742.83

4254	+0.2	c. 743.0 ✓
50	0.6	742.2 ✓
40	1.6	741.2 ✓
30	2.8	740.0 ✓
20	3.9	738.9 ✓
10	5.1	737.7 ✓
4200	6.7	736.1 ✓
94	7.5	735.3 ✓
90	10.7	732.1 ✓
	"B" 728.46	
78	4.3	724.2 ✓
70	4.7	723.8 ✓
60	9.9	718.6 ✓
	"C" 716.38	
50	2.7	713.7 ✓
40	10.7	705.7 ✓
30	19.2	697.2 ✓
	"Z" 699.50	
20	7.3	692.2 ✓
10	13.4	686.1 ✓
4100	17.3	R. 682.2 ✓

Plotted Dec 34

E 5210

"Z"
690.45

4090	13.3	O.G. 677.1 ✓
4100	11.1	679.3 ✓
10	7.4	683.0 ✓
20	2.4	688.0 ✓
30	+5.3	695.7 ✓
	"E" 716.38	
4140	13.0	703.4 ✓
50	4.6	711.8 ✓
60	2.6	713.8 ✓
	"B" 728.46	
74	4.3	724.2 ✓
82	4.3	724.2 ✓
	"C" 742.83	
96	7.9	734.9 ✓
4200	7.5	735.3 ✓
10	5.5	737.3 ✓
20	4.3	738.5 ✓
30	3.0	739.8 ✓
40	1.7	741.1 ✓
50	0.6	742.2 ✓
4257	+0.2	C. 743.0 ✓

Plotted Dec 34

End of Dec. 1-1934.

Final Xsections of Spoil Bank
South of Spillway - cont'd.

E5220

"D"
743.45

4261	0.4	C. 743.0 ✓
50	1.3	742.1 ✓
40	2.7	740.7 ✓
30	3.9	739.5 ✓
20	5.3	738.1 ✓
10	7.0	736.4 ✓
4200	8.7	734.7 ✓
	"E" 729.06	
4186	4.4	724.7 ✓
78	4.4	724.7 ✓
70	8.9	720.2 ✓
	"F" 714.47	
60	1.5	713.0 ✓
50	4.9	709.6 ✓
	"G" 702.42	
40	2.1	700.3 ✓
30	9.7	692.7 ✓
4120	16.4	686.0 ✓
	"Z" 690.45	
10	9.7	680.7 ✓
4100	13.7	O.G. 676.7 ✓

Dec. 3-1934

Simpson
Soper
Isbell
Remmen
Salgado.

Plotted Sec - 34

See Page 79
For Level Notes.

E5230

18

	"Z" 690.45	
4100	15.4	675.0 ✓
		O.G.
10	13.2	677.2 ✓
	"G" 702.42	
4120	18.8	683.6 ✓
30	11.1	691.3 ✓
40	5.2	697.2 ✓
	"F" 714.47	
50	12.2	7023 ✓
60	5.6	7089 ✓
	"E" 729.06	
70	12.6	7165 ✓
81	4.9	7242 ✓
89	4.5	7246 ✓
	"D" 743.45	
4200	12.5	7309 ✓
10	7.7	7357 ✓
20	6.0	737.4 ✓
30	4.5	738.9 ✓
40	3.0	740.4 ✓
50	1.8	741.6 ✓
4264	0.4	743.0 ✓

Plotted Sec 34

E 5240

	"D" 743.45	
4267	0.5	c. 742.9 ✓
60	1.2	742.2 ✓
50	2.1	741.3 ✓
40	3.4	740.0 ✓
30	4.9	738.5 ✓
20	6.6	736.8 ✓
13	8.4	735.0 ✓
	"E" 729.06	
4200	3.8	725.3 ✓
90	4.7	724.4 ✓
83	4.9	724.2 ✓
80	6.9	722.2 ✓
	"F" 714.47	
70	0.1	714.4 ✓
60	7.7	706.6 ✓
	"G" 702.42	
50	3.4	699.0 ✓
40	10.0	692.4 ✓
30	13.8	688.6 ✓
	"Z" 690.45	
20	9.2	681.2 ✓
10	14.9	675.5 ✓
4100	16.4	674.0 ✓
	"Y" 674.80	
4090	2.8	0.6 672.0 ✓

Plotted Dec. 34

E 5250

"Y"
674.80

19

4090	4.7	0.6 670.1 ✓
4100	0.8	674.0 ✓
	"S" 690.45	
10	15.0	675.4 ✓
20	10.0	680.4 ✓
30	7.7	682.7 ✓
	"G" 702.42	
4140	13.2	689.2 ✓
50	5.6	696.8 ✓
	"F" 714.47	
60	9.0	705.5 ✓
70	1.4	713.1 ✓
	"E" 729.06	
80	7.7	721.4 ✓
84	4.3	724.8 ✓
4201	4.5	724.6 ✓
	"D" 743.45	
10	13.2	730.2 ✓
17	7.7	735.7 ✓
30	5.3	738.1 ✓
40	3.9	739.5 ✓
50	2.4	741.0 ✓
60	1.5	741.9 ✓
4271	0.5	c. 742.9 ✓

Plotted Dec. 34

E5260

"D"
743.45

4274	0.4	C. 7430
70	0.9	7425
60	1.7	7417
50	3.0	7404
40	4.4	739.0
30	5.7	737.7
20	7.0	736.4

"E"
729.06

10	0.5	728.6
4204	4.4	724.7
4190	4.5	724.6
85	4.3	724.8
80	8.3	720.8

"F"
714.47

70	1.4	713.1
60	9.8	704.7

"G"
702.42

50	5.3	697.1
4140	13.4	689.0

"Z"
690.45

30	7.9	682.5
20	13.7	676.7

"Y"
674.80

10	1.0	673.8
4100	2.5	672.3

30

Plotted Dec 30

20

E5270

"Y"
674.80

4100	3.9	O.G. 670.9
10	2.1	672.7
	"Z" 690.45	
20	14.4	676.0
30	8.6	681.8

"G"
702.42

4140	13.0	689.4
50	5.9	696.5

"F"
714.47

60	10.4	704.1
70	2.4	712.1

"E"
729.06

80	9.0	720.1
85	5.0	724.1
90	4.8	724.3

4205	4.8	724.3
10	1.6	727.5

"D"
743.45

22	7.5	735.9
----	-----	-------

30	6.4	737.0
----	-----	-------

40	4.8	738.6
----	-----	-------

50	3.5	739.9
----	-----	-------

60	2.0	741.4
----	-----	-------

70	1.2	742.2
----	-----	-------

4278	0.4	C. 7430
------	-----	---------

Plotted Dec 31

X

E5280

"D"
743.45

4281	0.4	C. 743.0 ✓
70	1.4	742.0 ✓
60	2.4	741.0 ✓
50	3.9	739.5 ✓
40	5.2	738.2 ✓
30	7.1	736.3 ✓
24	7.4	736.0 ✓
20	11.4	732.0 ✓

"E"
729.06

08	4.7	724.4 ✓
4200	4.6	724.5 ✓
4186	5.2	723.9 ✓
80	9.1	720.0 ✓

"F"
714.47

70	3.0	711.5 ✓
60	10.4	704.1 ✓

"G"
702.42

50	5.5	696.9 ✓
40	13.2	689.2 ✓

"Z"
690.45

30	9.1	681.3 ✓
----	-----	---------

"Y"
674.80

20	+ 1.2	676.0 ✓
----	-------	---------

4110	2.9	671.9 ✓
------	-----	---------

Plotted Dec 24

21.

E5290

"Y"
674.80

4112	4.9	O.G. 669.9 ✓
------	-----	--------------

"Z"
690.45

20	14.0	676.4 ✓
----	------	---------

30	8.4	682.0 ✓
----	-----	---------

"G"
702.42

4140	11.5	690.9 ✓
------	------	---------

50	4.1	698.3 ✓
----	-----	---------

"F"
714.47

60	9.4	705.1 ✓
----	-----	---------

70	2.2	712.3 ✓
----	-----	---------

"E"
729.06

80	8.8	720.3 ✓
----	-----	---------

86	4.4	724.7 ✓
----	-----	---------

90	4.6	724.5 ✓
----	-----	---------

4200	4.3	724.8 ✓
------	-----	---------

14	4.5	724.6 ✓
----	-----	---------

20	0.6	728.5 ✓
----	-----	---------

"D"
743.45

30	7.5	735.9 ✓
----	-----	---------

4240	5.8	737.6 ✓
------	-----	---------

Plotted Dec 31

E 5290

"D"
743.45

4250	4.2	7392	✓
60	3.0	7404	✓
70	1.9	741.5	✓
80	0.8	742.6	✓
84	0.5	C. 742.9	✓

E 5300

4288	0.4	743.0	✓
80	1.2	742.2	✓
70	2.3	741.1	✓
60	3.3	740.1	✓
50	4.7	738.7	✓
40	6.2	737.2	✓
34	7.2	736.2	✓
30	10.4	733.0	✓
	"E" 729.06		
18	4.2	724.9	✓
10	4.3	724.8	✓
4200	4.7	724.4	✓
90	4.1	725.0	✓
86	4.1	725.0	✓
4180	7.6	721.5	✓

Plotted Sec 34

E 5300

"F"
714.47

4170	0.5	714.0	✓
60	8.4	706.1	✓
	"G" 702.42		
50	4.7	697.7	✓
40	12.1	690.3	✓
	"Z" 690.45		
30	8.6	681.8	✓
	"Y" 674.80		
20	+0.3	675.1	✓
4112	4.3	0.6, 670.5	✓

E5310

			"V" 660.52
4070	13.8		646.7 ✓
80	10.8		649.7 ✓
90	8.2		652.3 ✓
4100	1.8		658.7 ✓
			"Y" 674.80
10	8.9		665.9 ✓
20	1.0		673.8 ✓
			"Z" 690.45
4130	8.2		682.2 ✓

Clotted Sic 34

			"G" 702.42
4140	11.5		690.9 ✓
50	3.5		698.9 ✓
			"F" 714.47
60	7.9		706.6 ✓
4170	0.1		714.4 ✓

E5310

			"E" 729.06
4180	7.2		721.9 ✓
84	4.8		724.3 ✓
90	4.8		724.3 ✓
4200	4.6		724.5 ✓
10	4.3		724.8 ✓
20	4.1		725.0 ✓
			"D" 743.45
35	7.3		736.1 ✓
40	6.6		736.8 ✓
50	5.1		738.3 ✓
60	3.8		739.6 ✓
70	2.7		740.7 ✓
80	1.4		742.0 ✓
4291	0.5	C.	742.9 ✓

Clotted Sic 34

E 5320

		"O" 743.45
4294	0.4	743.0 ✓
90	0.7	742.7 ✓
80	1.8	741.6 ✓
70	3.2	740.2 ✓
60	4.3	739.1 ✓
50	5.5	737.9 ✓
40	7.2	736.2 ✓
34	7.8	735.6 ✓
		"E" 729.06
21	4.0	725.1 ✓
10	4.1	725.0 ✓
4200	4.1	725.0 ✓
90	4.3	724.8 ✓
84	4.5	724.6 ✓
80	7.2	721.9 ✓
		"F" 714.47
70	0.3	714.2 ✓
60	8.6	705.9 ✓
		"G" 702.42
50	4.3	698.1 ✓
4140	11.7	690.7 ✓

Plotted Sec. 34

E 5320

		"Z" 690.45
4130	8.7	681.7 ✓
		"Y" 674.80
20	0.8	674.0 ✓
10	8.0	666.8 ✓
		"V" 660.52
4100	1.1	659.4 ✓
4090	7.6	652.9 ✓
80	10.0	650.5 ✓
4070	13.6	O.G. 646.9 ✓

Plotted Sec. 34

E 5330

		"Y" 660.52
4070	13.8	O.G. 646.7 ✓
80	11.2	649.3 ✓
90	7.7	652.8 ✓
4100	1.8	658.7 ✓
		"Y" 674.80
10	9.0	665.8 ✓
20	1.4	673.4 ✓
		"Z" 690.45
4130	9.5	680.9 ✓

E5330

"G"
702.42

4140	13.8	688.6	✓
50	6.1	696.3	✓
	"F" 714.47		
60	10.8	703.7	✓
70	2.6	711.9	✓
	"E" 729.06		
80	9.1	720.0	✓
88	3.8	725.3	✓
4200	3.9	725.2	✓
10	3.8	725.3	✓
21	3.7	725.4	✓
	"D" 743.45		
34	9.3	734.1	✓
40	7.6	735.8	✓
50	5.8	737.6	✓
60	4.6	738.8	✓
70	3.4	740.0	✓
80	2.1	741.3	✓
90	1.0	742.4	✓
4297	0.4	743.0	✓

Plotted Dec 30

E5340

"D"
743.45

4301	0.5	742.9	✓
4290	1.3	742.1	✓
80	2.4	741.0	✓
70	3.7	739.7	✓
60	4.8	738.6	✓
50	5.9	737.5	✓
40	7.5	735.9	✓
34	8.9	734.5	✓
	"E" 729.06		
22	3.2	725.9	✓
10	3.1	726.0	✓
4200	3.5	725.6	✓
90	4.1	725.0	✓
80	11.2	717.9	✓
	"F" 714.47		
70	3.5	711.0	✓
60	11.5	703.0	✓
	"G" 702.42		
50	7.0	695.4	✓
4140	14.8	687.6	✓
	"Z" 690.45		
30	11.2	679.2	✓

Plotted Dec 30

E5340

"Y"		
674.80		
4120	2.9	671.9 ✓
10	9.8	665.0 ✓
"Y"		
660.52		
4100	2.0	658.5 ✓
90	7.1	653.4 ✓
80	11.8	648.7 ✓
70	13.0	647.5 ✓
4060	15.4	O.G. 645.1 ✓

E5350

"W"		
646.06		
4060	2.1	O.G. 644.0 ✓
70	0.2	645.9 ✓
"Y"		
660.52		
80	12.6	647.9 ✓
90	7.5	653.0 ✓
4100	1.3	659.2 ✓
"Y"		
674.80		
10	9.2	665.6 ✓
20	2.4	672.4 ✓
"Z"		
690.45		
4130	11.4	679.0 ✓

Reduced and Plotted by G.B.H.

E5350

"G"		
702.42		
4140	15.8	686.6 ✓
50	8.4	694.0 ✓
60	0.9	701.5 ✓
"F"		
714.47		
70	5.4	709.1 ✓
"E"		
729.06		
80	12.8	716.3 ✓
92	3.9	725.2 ✓
4200	3.7	725.4 ✓
10	2.9	726.2 ✓
21	2.8	726.3 ✓
"D"		
743.45		
33	8.7	734.7 ✓
40	7.7	735.7 ✓
50	6.2	737.2 ✓
60	4.9	738.5 ✓
70	3.7	739.7 ✓
80	2.6	740.8 ✓
90	1.7	741.7 ✓
4300	0.7	742.7 ✓
4304	0.5	c. 742.9 ✓

Plotted by G.B.H.

E5360

	"D"		
	743.45		
4308	0.4	c. 7430	✓
4300	1.0	7424	✓
4290	1.8	7416	✓
80	2.7	7407	✓
70	3.8	7396	✓
60	5.2	7382	✓
50	6.4	7370	✓
40	7.8	7356	✓
29	9.8	7336	✓
	"E"		
	729.06		
20	+0.7	729.8	✓
10	1.2	7279	✓
4200	4.6	7245	✓
4190	4.7	7244	✓
80	11.7	7174	✓
	"F"		
	714.47		
70	4.7	709.8	✓
60	12.4	7021	✓
	"G"		
	702.42		
50	7.3	695.1	✓
4140	13.3	689.1	✓

Plotted Sec 24

E5360

27

	"Z"		
	690.45		
4130	9.2	681.2	✓
20	15.8	674.6	✓
	"Y"		
	674.80		
10	6.7	668.1	✓
4100	13.1	661.7	✓
	"V"		
	660.52		
4090	5.3	655.2	✓
80	12.2	648.3	✓
	"W"		
	646.06		
70	1.2	644.9	✓
4060	3.6	O.G. 642.5	✓

E5370

	"W"		
	646.06		
4040	5.5	O.G. 640.6	✓
50	4.1	642.0	✓
60	3.1	643.0	✓
70	0.5	645.6	✓
	"Y"		
	660.52		
80	9.2	651.3	✓
70	2.3	658.2	✓
	"Y"		
	674.80		
4100	9.6	665.2	✓
10	3.3	671.5	✓
	"Z"		
	690.45		
20	12.6	677.8	✓
4130	5.3	685.1	✓

E 5370

		"G" 702.42	
4140	9.8	692.6	✓
50	3.3	699.1	✓
		"F" 714.47	
60	8.7	7058	✓
70	1.3	7132	✓
		"E" 729.06	
80	9.2	7199	✓
86	4.8	7243	✓
90	5.3	7238	✓
4200	5.5	7236	✓
07	5.0	724.1	✓
		"D" 743.45	
18	11.6	731.8	✓
30	9.9	7335	✓
40	8.2	7352	✓
50	6.7	7367	✓
60	5.2	7382	✓
70	3.8	739.6	✓
80	2.7	740.7	✓
90	1.8	741.6	✓
4300	1.1	742.3	✓
4311	0.4	C. 743.0	✓

34

Plotted See

Plotted See

E 5380

		"D" 743.45	
4314	0.4	C. 743.0	✓
10	0.6	742.8	✓
4300	1.5	741.9	✓
90	2.3	741.1	✓
80	3.0	740.4	✓
70	3.9	739.5	✓
60	5.5	737.9	✓
50	6.8	736.6	✓
40	8.3	735.1	✓
30	9.8	733.6	✓
20	11.4	732.0	✓
11	13.0	730.4	✓
		"E" 729.06	
07	3.5	725.6	✓
4200	6.0	723.1	✓
90	6.4	722.7	✓
80	6.6	722.5	✓
70	12.6	716.5	✓
		"F" 714.47	
60	4.0	710.5	✓
50	11.6	702.9	✓
		"G" 702.42	
40	6.4	696.0	✓
4130	13.6	688.8	✓

Plotted See 34

E 5380

^{"x"}
688.01

4120 6.4 681.6 ✓

10 13.7 674.3 ✓

^{"u"}
673.16

4100 6.0 667.2 ✓

^{"y"}
660.52

90 0.0 660.5 ✓

80 7.0 653.5 ✓

70 13.0 ^{"w"} 647.5 ✓

646.06

60 2.1 644.0 ✓

50 3.8 642.3 ✓

4040 6.5 639.5 ✓

E 5390

^{"w"}
646.06

4030 7.9 38.2 O.G. ✓

40 5.1 41.0 ✓

50 2.8 43.3 ✓

^{"y"}
660.52

60 14.0 46.5 ✓

70 10.7 49.8 ✓

80 4.6 55.9 ✓

^{"u"}
673.16

90 10.7 62.5 ✓

4100 3.7 69.5 ✓

^{"x"}
688.01

10 11.4 76.6 ✓

4120 4.0 84.0 ✓

See Page 79. For Level Notes.

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E 5390

^{"v"}
702.42

4130 10.7 691.7 ✓

40 3.4 699.0 ✓

^{"f"}
714.47

50 7.3 707.2 ✓

60 0.6 713.9 ✓

^{"e"}
729.06

70 8.8 20.3 ✓

73 7.4 21.7 ✓

80 7.3 21.8 ✓

90 7.0 22.1 ✓

4200 6.6 22.5 ✓

^{"d"}
743.45

13 12.3 31.1 ✓

20 11.5 31.9 ✓

30 9.9 33.5 ✓

40 8.5 34.9 ✓

50 7.2 36.2 ✓

60 5.8 37.6 ✓

70 3.9 39.5 ✓

80 3.4 40.0 ✓

90 2.4 41.0 ✓

4300 1.7 41.7 ✓

10 1.0 42.4 ✓

4317 0.4 43.0 C. ✓

Plotted Dec - 34

Plotted Dec - 34

E 5400

"D"
743.45

4320	0.4	743.0 [✓] C.
10	1.2	42.2 [✓]
4300	2.0	41.4 [✓]
90	2.7	40.7 [✓]
80	3.6	39.8 [✓]
70	4.8	38.6 [✓]
60	6.1	37.3 [✓]
50	7.3	36.1 [✓]
40	8.7	34.7 [✓]
30	9.9	33.5 [✓]
20	11.6	31.8 [✓]
10	13.2	30.2 [✓]

"E"
729.06

4200	6.8	22.3 [✓]
90	7.9	21.2 [✓]
80	8.5	20.6 [✓]
70	9.1	20.0 [✓]
64	9.2	19.9 [✓]
60	12.4	16.7 [✓]

"F"
714.47

50	5.2	709.3
4140	12.9	701.6

"G"
702.42

30	7.8	694.6
20	15.8	686.6

Plotted Dec 34

E 5400

"X"
688.01

4110	9.0	679.0 [✓]
------	-----	--------------------

"U"
673.16

4100	1.5	71.7 [✓]
------	-----	-------------------

90	8.2	65.0 [✓]
----	-----	-------------------

"Y"
660.52

80	2.7	57.8 [✓]
----	-----	-------------------

70	9.5	51.0 [✓]
----	-----	-------------------

60	13.2	47.3 [✓]
----	------	-------------------

"W"
646.06

51	1.3	644.8 [✓]
----	-----	--------------------

40	6.5	629.6 [✓]
----	-----	--------------------

4030	8.4	637.7 O.G.
------	-----	------------

E 5410

"W"
646.06

4030	8.8	637.3 O.G.
------	-----	------------

40	6.6	39.5 [✓]
----	-----	-------------------

"Y"
660.52

51	13.7	46.8 [✓]
----	------	-------------------

60	10.8	49.7 [✓]
----	------	-------------------

70	7.0	53.5 [✓]
----	-----	-------------------

80	0.7	59.8 [✓]
----	-----	-------------------

"U"
673.16

90	6.6	66.6 [✓]
----	-----	-------------------

"X"
688.01

4100	14.5	73.5 [✓]
------	------	-------------------

4110	7.0	81.0 [✓]
------	-----	-------------------

E 5410

			"G"		
			702.42		✓
4120	13.6	688.8			✓
30	6.2	696.2			✓
			"F"		
			714.47		✓
40	10.4	704.1			✓
50	2.9	711.6			✓
			"E"		
			729.06		✓
60	9.5	719.6			✓
70	9.0	720.1			✓
80	9.1	720.0			✓
90	8.9	720.2			✓
4200	8.6	720.5			✓
			"D"		
			743.45		✓
10	12.6	730.8			✓
20	11.6	731.8			✓
30	10.0	733.4			✓
40	8.7	734.7			✓
50	7.3	736.1			✓
60	6.3	737.1			✓
70	4.7	738.7			✓
80	3.5	739.9			✓
90	2.8	740.6			✓
4300	1.9	741.5			✓
10	1.3	742.1			✓
20	0.6	742.8			✓
4324	0.4	743.0 C.			✓

Plotted Dec 34

E 5420

			"D"		
			743.45		✓
4328	0.4	743.0 C.			✓
20	0.8	742.6			✓
10	1.4	742.0			✓
4300	2.0	741.4			✓
90	2.9	740.5			✓
80	3.3	740.1			✓
70	5.0	738.4			✓
60	6.5	736.9			✓
50	7.6	735.8			✓
40	8.8	734.6			✓
30	10.0	733.4			✓
20	11.6	731.8			✓
12	12.6	730.8			✓
			"E"		
			729.06		✓
4196	9.6	719.5			✓
4190	9.7	719.4			✓
80	10.0	719.1			✓
70	10.5	718.6			✓
60	10.5	718.6			✓
57	9.5	719.6			✓
			"F"		
			714.47		✓
50	0.3	714.2			✓
4140	7.8	706.7			✓

Plotted Dec 34

E 5420

"G"
702.42

4130	2.8	699.6	✓
4120	11.4	91.0	✓
10	4.5	83.5	✓
4100	11.7	76.3	✓
90	4.0	69.2	✓
80	11.0	62.2	✓
70	4.1	56.4	✓
60	8.7	51.8	✓
55	10.5	50.0	0.G.±

"W"
646.06

40	6.7	39.4	✓
30	6.6	39.5	✓
4020	9.4	36.7	0.G.

E 5430"W"
646.06

4020	9.9	636.2	0.G. ✓
30	8.0	638.1	✓
40	5.7	640.4	✓
50	14.6	645.9	✓
60	8.3	652.2	✓
70	1.7	658.8	✓
80	8.2	665.0	✓
90	1.5	671.7	✓
4100	9.5	678.5	✓

E 5430

"G"
702.42

4110	16.8	685.6	✓
20	9.4	693.0	✓
30	1.6	700.8	✓
40	5.3	709.2	✓
50	11.7	717.4	✓
55	9.7	719.4	✓
60	11.3	717.8	✓
70	10.9	718.2	✓
80	11.0	718.1	✓
90	10.4	718.7	✓
95	10.3	718.8	✓
4205	3.6	725.5	✓

"D"
743.45

14	13.0	730.4	✓
20	11.9	731.5	✓
30	10.2	733.2	✓
40	9.0	734.4	✓
50	8.1	735.3	✓
60	6.5	736.9	✓
70	5.1	738.3	✓
4280	4.0	739.4	✓

E5430

"D"
743.45

4290	3.3	740.1 ✓
4300	2.4	741.0 ✓
10	1.6	741.8 ✓
20	1.1	742.3 ✓
4331	0.5	742.9 C. ✓

E 5440

4334	0.4	743.0 C. ✓
30	0.9	742.5 ✓
20	1.4	742.0 ✓
10	1.8	741.6 ✓
4300	2.8	740.6 ✓
90	3.7	739.7 ✓
80	4.5	738.9 ✓
70	5.4	738.0 ✓
60	6.9	736.5 ✓
50	8.3	735.1 ✓
40	9.4	734.0 ✓
30	10.6	732.8 ✓
20	11.9	731.5 ✓
4211	13.0	730.4 ✓

Charted Sec. - 34

E5440

"E"
729.06

4200	7.9	721.2 ✓
4195	10.4	718.7 ✓
90	8.7	720.4 ✓
80	11.5	717.6 ✓
70	11.7	717.4 ✓
60	11.6	717.5 ✓
50	10.4	718.7 ✓
	"F" 714.47	
40	2.8	711.7 ✓
30	10.8	703.7 ✓
	"G" 702.42	
20	6.4	696.0 ✓
4110	13.4	689.0 ✓
	"X" 688.01	
4100	7.0	681.0 ✓
	"U" 673.16	
90	+0.8	674.0 ✓
80	6.6	666.6 ✓
70	13.1	660.1 ✓
	"V" 660.52	
60	6.2	654.3 ✓
54	10.3	65020.6.† ✓
	"W" 646.06	
49	2.6	643.5 ✓
4040	5.6	640.5 ✓

E 5440

"W"
646.06

4030	8.0	638.1	✓
20	9.5	636.6	✓
4010	10.3	635.8 O.G.	

E 5450

"W"
646.06

4010	10.7	635.4 O.G.	
20	9.2	636.9	✓
30	8.4	637.7	✓
40	5.4	640.7	✓

"V"
660.52

50	13.4	647.1	✓
60	5.6	654.9	✓

"U"
673.16

70	11.3	661.9	✓
80	4.5	668.7	✓

"X"
688.01

90	12.3	675.7	✓
4100	4.3	683.7	✓

"S"
702.42

4110	11.3	691.1	✓
20	4.1	698.3	✓

"F"
714.47

30	8.3	706.2	✓
4140	0.1	714.4	✓

Plotted Dec - 34

E 5450

"E"
729.06

4144	10.5	718.6	✓
50	11.6	717.5	✓
60	12.1	717.0	✓
70	12.1	717.0	✓
80	11.7	717.4	✓
88	11.8	717.3	✓
90	8.3	720.8	✓
95	9.9	719.2	✓

"D"
743.45

4207	13.7	729.7	✓
20	12.0	731.4	✓
30	10.8	732.6	✓
40	9.7	733.7	✓
50	8.4	735.0	✓
60	7.1	736.3	✓
70	5.7	737.7	✓
80	4.5	738.9	✓
90	3.9	739.5	✓
4300	3.2	740.2	✓
10	1.7	741.7	✓
20	1.2	742.2	✓
30	0.7	742.7	✓
4338	0.4	743.0 C.	✓

E 5460

"D"
743.45

Note: This Section, and Sections
on East Show material Put
on Concrete Apron for Ramp

4262	+4.1	747.5	✓
52	+0.7	744.1	✓
41	0.4	743.0	✓
30	0.8	742.6	✓
20	1.4	742.0	✓
10	2.2	741.2	✓
4300	3.5	739.9	✓
4290	4.2	739.2	✓
80	5.2	738.2	✓
70	6.0	737.4	✓
60	7.6	735.8	✓
50	9.0	734.4	✓
40	10.0	733.4	✓
30	11.0	732.4	✓
20	12.0	731.4	✓
10	13.3	730.1	✓
"E" 729.06			
4203	0.6	728.5	✓
4188	11.8	717.3	✓
4180	12.0	717.1	✓

Plotted Sec - 34

35

E 5460

"E"
729.06

4170	12.5	716.6	✓
60	12.6	716.5	✓
50	12.3	716.8	✓
43	10.8	718.3	✓
40	12.3	716.8	✓
"F" 714.47			
30	5.1	709.4	✓
20	13.4	701.1	✓
"G" 702.42			
10	9.2	693.2	✓
"X" 688.01			
4100	3.1	684.9	✓
90	10.9	677.1	✓
"U" 673.16			
80	3.8	669.4	✓
70	10.7	662.5	✓
"V" 660.52			
60	4.8	655.7	✓
50	11.7	648.8	✓
"W" 646.06			
40	3.3	642.8	✓
30	8.4	637.7	✓
20	8.9	637.2	✓
4010	11.4	634.7 O.G.	✓

E 5470

"W"

646.06

4000 13.4 6327 O.G. ✓

10 10.9 6352 ✓

20 9.0 637.1 ✓

30 7.7 738.4 ✓

40 2.6 743.5 ✓

"V"

660.52

50 10.4 650.1 ✓

60 3.4 657.1 ✓

"U"

673.16

70 9.0 664.2 ✓

80 1.5 671.7 ✓

"X"

688.01

90 8.9 679.1 ✓

"G"

702.42

4100 14.5 687.9 ✓

10 6.9 695.5 ✓

"F"

714.47

20 10.7 703.8 ✓

30 3.5 711.0 ✓

"E"

729.06

38 11.4 717.7 ✓

42 10.9 718.2 ✓

Plotted on 7/4

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E 5470

"E"

729.06

4145 10.3 718.8 ✓

55 13.1 716.0 ✓

60 13.4 715.7 ✓

70 12.4 716.7 ✓

76 12.9 716.2 ✓

90 6.3 722.8 ✓

98 0.9 728.2 ✓

"D"

743.45

4210 13.6 729.8 ✓

20 12.3 731.1 ✓

30 11.3 732.1 ✓

40 10.5 732.9 ✓

50 9.5 733.9 ✓

60 7.6 735.8 ✓

70 6.1 737.3 ✓

80 5.6 737.8 ✓

90 4.8 738.6 ✓

4300 3.9 739.5 ✓

10 2.7 740.7 ✓

20 1.7 741.7 ✓

30 1.0 742.4 ✓

40 0.4 743.0 ✓

50 +3.5 746.9 ✓

60 +6.1 749.5 ✓

4368 +6.5 on crest. ✓

E 5480

"K"
750.91

Face of weir ±

4369	0.9	750.0	✓
60	1.1	749.8	✓
50	2.3	748.6	✓
40	4.7	746.2	✓
32	8.8	742.1	✓
20	9.5	741.4	✓
10	10.6	740.3	✓
4300	12.0	738.9	✓
4290	12.8	738.1	✓
80	13.7	737.2	✓
70	14.8	736.1	✓

"H"
735.66

60	0.7	735.0	✓
50	1.8	733.9	✓
40	3.3	732.4	✓
30	4.0	731.7	✓
20	4.8	730.9	✓
10	5.9	729.8	✓
4200	6.5	729.2	✓
90	8.6	727.1	✓
80	13.4	722.3	✓
4170	17.8	717.9	✓

E 5480

"I"
722.40 723.24

4163	4.5	718.7	✓
59	8.2	715.2	✓
50	7.4	715.8	✓
40	6.5	716.7	✓
37	6.5	716.7	✓
30	10.5	712.7	✓

"J"
711.17 712.01

20	6.8	705.2	✓
10	15.1	796.9	✓

"X"
688.01

4100	10.9	688.9	✓
90	6.8	681.2	✓
80	14.8	673.2	✓

"U"
673.16

70	7.4	665.8	✓
----	-----	-------	---

"V"
660.52

60	2.1	658.4	✓
50	9.4	651.1	✓

"W"
646.06

40	1.4	644.7	✓
30	7.3	638.8	✓
20	9.6	636.5	✓
10	10.8	635.3	✓
4000	13.9	63220.6	✓

E5490

	"W"	
	646.06	
4000	13.9	632.20.6
10	11.6	634.5
20	9.9	636.2
30	6.8	639.3
40	0.5	645.6
	"V"	
	660.52	
50	8.4	652.1
60	1.6	658.9
	"U"	
	673.16	
70	6.5	"X" 666.7
	688.01	
80	14.0	674.0
90	6.1	681.9
4100	+ 20	690.0
	"S"	
	712.01	711.17
4110	13.5	698.5
20	5.4	706.6
	"I"	
	723.24	722.40
30	8.9	714.3
35	6.3	716.9
40	7.4	715.8
50	8.2	715.0
55	8.3	714.9
	"H"	
	735.66	
65	14.0	721.7
4170	11.2	724.5

Clotted Dec. 34

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E5490

	"H"	
	735.66	
4180	9.1	726.6
90	7.8	727.9
4200	6.9	728.8
10	6.2	729.5
20	5.2	730.5
30	4.2	731.5
40	3.4	732.3
50	2.3	733.4
60	1.1	734.6
70	+0.2	735.9
	"K"	
	750.91	
80	13.9	737.0
90	13.2	737.7
4200	12.1	738.8
10	11.0	739.9
20	9.4	741.5
30	6.5	744.4
40	4.7	746.2
50	3.0	747.9
60	1.5	749.4
Face of Weir = 72	0.4	750.5

E5500

"K"
750.91

Face of Weir ±			✓
4375	0.3	750.6	✓
70	0.8	750.1	✓
60	2.1	748.8	✓
50	4.0	746.9	✓
40	5.7	745.2	✓
30	7.6	743.3	✓
20	9.4	741.5	✓
10	11.0	739.9	✓
4300	12.4	738.5	✓
90	13.5	737.4	✓
80	14.5	736.4	✓
70	16.0	734.9	✓
	"H"	735.66	
60	1.7	734.0	✓
50	2.6	733.1	✓
40	3.4	732.3	✓
30	4.2	731.5	✓
20	5.4	730.3	✓
10	5.9	729.8	✓
4200	7.1	728.6	✓
90	8.1	727.6	✓
80	9.2	726.5	✓
70	10.4	725.3	✓
4163	11.8	723.9	✓

Plotted Dec - 30

E5500

"I"
723.24 722.40

4151	8.8	7144	✓
40	8.4	714.8	✓
30	7.7	715.5	✓
	"J"	712.01 711.17	
20	5.1	706.9	✓
10	13.0	699.0	✓
	"X"	688.01	
4100	+2.8	690.8	✓
90	5.4	682.6	✓
80	13.4	674.6	✓
	"U"	673.16	
70	6.1	667.1	✓
60	13.4	659.8	✓
	"V"	660.82	
50	7.8	652.7	✓
	"W"	646.06	
40	0.5	645.6	✓
30	7.0	639.1	✓
20	10.6	635.5	✓
10	11.6	634.5	✓
4000	13.2	632.9	✓
3995	14.7	631.4 O.G	✓

E5510

	"W"	
	646.07	
4000	14.7	6314.06 ✓
10	11.4	6347 ✓
20	10.5	6356 ✓
30	7.0	639.1 ✓
40	0.5	645.6 ✓
	"V"	
	660.52	
50	8.1	652.4 ✓
60	1.3	659.2 ✓
	"U"	
	673.16	
70	6.1	667.1 ✓
	"X"	
	688.01	
80	13.1	674.3 ✓
90	5.2	682.8 ✓
4100	+2.7	690.7 ✓
	"J"	
	712.0 711.19	
4110	12.6	699.4 ✓
20	3.9	708.1 ✓
	"I"	
	723.24 722.40	
30	8.4	714.8 ✓
40	9.2	714.0 ✓
50	9.4	713.8 ✓
	"H"	
	735.66	
65	11.4	724.3 ✓
4170	10.4	725.3 ✓

Plotted Dec 34

E5510

	"H"	
	735.66	
4180	9.4	726.3 ✓
90	8.4	727.3 ✓
4200	7.2	728.5 ✓
10	6.2	729.5 ✓
20	5.4	730.3 ✓
30	4.4	731.3 ✓
40	3.7	732.0 ✓
50	2.9	732.8 ✓
60	1.9	733.8 ✓
70	1.0	734.7 ✓
80	+0.1	735.8 ✓
	"K"	
	750.91	
90	14.0	736.9 ✓
4300	12.7	738.2 ✓
10	11.3	739.6 ✓
20	9.6	741.3 ✓
30	8.0	742.9 ✓
40	6.3	744.6 ✓
50	4.8	746.1 ✓
60	3.0	747.9 ✓
70	1.4	749.5 ✓
Face of weir ± 79	0.3	750.6 ✓

End of Dec. 3-1934.

E5520

"L"
750.39

N 4370	1.6	748.8	✓
60	3.4	747.0	✓
50	5.0	745.4	✓
40	6.6	743.8	✓
30	8.4	742.0	✓
20	10.0	740.4	✓
10	11.6	738.8	✓
4300	12.7	737.7	✓
90	13.6	736.8	✓
	"M"	736.69	
80	1.1	735.6	✓
70	2.2	734.5	✓
60	3.2	733.5	✓
50	4.0	732.7	✓
40	4.8	731.9	✓
30	5.6	731.1	✓
20	6.6	730.1	✓
10	7.4	729.3	✓
4200	8.1	728.6	✓
90	9.3	727.4	✓
80	10.5	726.2	✓
4168	12.4	724.3	✓

Dec. 4 - 1934.

Simpson
Joper
Isbell
Remmer
Salgado.

Plotted see 34

See Page 79
For Level Notes.

41

E5520

"N"
723.04

4160	3.9	719.1	✓
52	9.6	713.4	✓
40	9.5	713.5	✓
30	6.6	716.4	✓
20	14.9	708.1	✓
	"O"	710.22	
4110	10.5	699.7	✓
	"X"	688.01	
4100	+2.9	690.9	✓
90	5.5	682.5	✓
80	13.4	674.6	✓
	"U"	673.16	
70	6.1	667.1	✓
60	13.4	659.8	✓
	"V"	660.52	
50	7.9	652.6	✓
	"W"	646.07	
40	0.2	645.9	✓
30	6.6	639.5	✓
20	10.6	635.5	✓
10	11.9	634.2	✓
4000	14.4	63170.G.	✓

E 5530

"W"
646.06

4000	14.4	6317.06	✓
10	11.8	634.3	✓
20	10.2	635.9	✓
30	7.2	638.9	✓
40	0.7	645.4	✓
	"V"	660.52	
50	8.3	652.2	✓
60	1.3	659.2	✓
	"U"	673.16	
70	6.2	667.0	✓
	"X"	688.01	
80	13.7	674.3	✓
90	5.7	682.3	✓
4100	+1.8	689.8	✓

"O"
710.22

4110	11.2	699.0	✓
20	3.0	707.2	✓
	"N"	723.04	
30	6.7	716.3	✓
40	9.6	713.4	✓
52	9.7	713.3	✓
4160	5.6	717.4	✓

Plotted Dec. 34

E 5530

"M"
736.69

4169	12.7	724.0	✓
80	10.6	726.1	✓
90	9.4	727.3	✓
4200	8.4	728.3	✓
10	7.5	729.2	✓
20	6.6	730.1	✓
30	5.7	731.0	✓
40	4.9	731.8	✓
50	4.1	732.6	✓
60	3.2	733.5	✓
70	2.5	734.2	✓
80	1.4	735.3	✓
90	0.1	736.6	✓
	"L"	750.39	

4300	13.0	737.4	✓
10	12.1	738.3	✓
20	10.5	739.9	✓
30	8.8	741.6	✓
40	7.2	743.2	✓
50	5.8	744.6	✓
60	4.2	746.2	✓
4364	4.8	745.6	✓

E5540

"L"
750.39Toe of Concrete
Cone - East end Spillway
4362

8.0	742.4	✓	
52	8.3	742.1	✓
47	6.7	743.7	✓
40	8.0	742.4	✓
30	9.5	740.9	✓
20	11.0	739.4	✓
10	12.3	738.1	✓
4300	13.6	736.8	✓
		"M" 736.69	
90	0.6	736.1	✓
80	1.3	735.4	✓
70	2.1	734.6	✓
60	3.0	733.7	✓
50	3.8	732.9	✓
40	5.0	731.7	✓
30	5.7	731.0	✓
20	6.8	729.9	✓
10	7.5	729.2	✓
4200	8.6	728.1	✓
90	9.6	727.1	✓
80	10.8	725.9	✓
4170	12.8	723.9	✓

Plotted Dec - 30

E5540

"N"
723.04

4160	6.6	716.4	✓
54	10.0	713.0	✓
46	10.4	712.6	✓
35	6.6	716.4	✓
30	9.0	714.0	✓
		"O" 710.22	
20	5.4	704.8	✓
4110	12.8	697.4	✓
		"P" 688.07	
4100	+0.5	688.6	✓
4090	7.3	680.8	✓
		"Q" 673.16	
80	+0.2	673.4	✓
70	7.1	666.1	✓
60	14.0	659.2	✓
		"R" 660.52	
50	8.4	652.1	✓
		"S" 646.06	
40	0.8	645.3	✓
30	7.0	639.1	✓
20	10.5	635.6	✓
10	11.9	634.2	✓
4000	14.4	631.70.6.	✓

E 5550

"W"
646.06

4000	14.5	631.6	✓
10	12.1	633.0	✓
20	10.5	635.6	✓
30	7.7	738.4	✓
40	1.7	744.4	✓

"V"
660.52

50	8.8	651.7	✓
60	2.1	658.4	✓

"U"
673.16

70	7.9	765.3	✓
80	0.6	772.6	✓

"T"
688.07

90	7.7	680.4	✓
4100	0.3	687.8	✓

"O"
710.22

4110	13.8	696.4	✓
20	5.7	704.5	✓

"N"
723.04

30	11.4	711.6	✓
37	6.8	716.2	✓
46	10.6	712.4	✓
54	10.3	712.7	✓
4160	7.3	715.7	✓

Plotted Dec - 3x

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E 5550

"M"
736.69

4170	12.5	724.2	✓
80	11.0	725.7	✓
90	9.6	727.1	✓
4200	8.6	728.1	✓

10	7.7	729.0	✓
20	6.9	729.8	✓

30	5.9	730.8	✓
40	4.9	731.8	✓

50	4.0	732.7	✓
60	3.0	733.7	✓

70	2.0	734.7	✓
80	1.3	735.7	✓

90	0.6	736.1	✓
4300	0.0	736.7	✓

"L"
750.39

10	12.7	737.7	✓
20	11.3	739.1	✓

30	10.2	740.2	✓
40	9.2	741.2	✓

50	8.5	741.9	✓
60	8.0	742.4	✓

4365	7.8	742.6	✓
------	-----	-------	---

E 5560

"L"		
750.39		
Top of East Slope Spillway cur 4333	10.3	740.1 ✓
30	10.7	739.7 ✓
20	12.0	738.4 ✓
10	13.2	737.2 ✓
"M"		
736.69		
4300	0.2	736.5 ✓
90	1.0	735.7 ✓
80	1.5	735.2 ✓
70	2.2	734.5 ✓
60	3.1	733.6 ✓
50	4.3	732.4 ✓
40	5.2	731.5 ✓
30	6.1	730.6 ✓
20	6.9	729.8 ✓
10	7.7	729.0 ✓
4200	8.9	727.8 ✓
90	9.8	726.9 ✓
80	10.9	725.8 ✓
67	12.4	724.3 ✓
"N"		
723.04		
60	4.9	718.1 ✓
55	9.3	713.7 ✓
4150	9.5	713.5 ✓

Plotted Dec-34

E 5560

"N"		
723.04		
4141	7.5	715.5 ✓
30	14.4	708.6 ✓
"O"		
710.22		
20	9.2	701.0 ✓
4110	16.3	693.9 ✓
"T"		
688.07		
4100	2.3	685.8 ✓
4090	9.8	678.3 ✓
"U"		
673.16		
80	1.9	671.3 ✓
70	8.2	665.0 ✓
"V"		
660.52		
60	1.7	658.8 ✓
4055	3.7	656.8 O.G.

E 5570

"U"		
673.16		
4070	4.3	668.9 O.G.
80	2.2	671.0 ✓
"T"		
688.07		
90	10.9	677.2 ✓
4100	4.6	683.5 ✓
4110	+ 2.4	694.5 ✓

E 5570

"O"
710.22

4120 12.8 697.4 ✓

30 6.7 703.5 ✓

"N"
723.04

40 13.2 709.8 ✓

52 6.1 716.9 ✓

57 5.5 717.5 ✓

61 2.0 721.0 ✓

"M"
736.69

67 13.0 723.7 ✓

80 11.1 725.6 ✓

90 10.0 726.7 ✓

4200 9.3 727.4 ✓

10 8.2 728.5 ✓

20 7.1 729.6 ✓

30 6.4 730.3 ✓

40 5.3 731.4 ✓

50 4.4 732.3 ✓

60 3.2 733.5 ✓

70 2.5 734.2 ✓

80 1.9 734.8 ✓

90 1.0 735.7 ✓

Top of East Slope
Spillway Cut

4302 0.3 736.4 ✓

Plotted Dec - 34

E5580

"M"
736.69

4280 1.7 735.0 ✓

70 2.9 733.8 ✓

60 3.7 733.0 ✓

50 4.6 732.1 ✓

40 5.6 731.1 ✓

30 6.2 730.5 ✓

20 7.3 729.4 ✓

10 8.2 728.5 ✓

4200 9.1 727.6 ✓

90 10.1 726.6 ✓

80 11.1 725.6 ✓

67 13.0 723.7 ✓

"N"
723.04

60 3.8 719.2 ✓

50 12.1 710.9 ✓

"O"
710.22

40 5.4 704.8 ✓

30 11.3 698.9 ✓

697.80

20 5.1 692.7 ✓

4110 10.8 687.0 ✓

"T"
688.07

4100 8.2 679.9 ✓

E 5580

"T"
688.07

4090	13.9	674.2	✓
80	18.0	670.1	✓
70	18.8	669.3	✓
4060	20.3	667.8	O.G. ✓

E 5590

"T"
688.07

4060	22.4	665.7	O.G. ✓
70	21.3	666.8	✓
80	20.1	668.0	✓
90	16.8	671.3	✓
4100	11.6	676.5	✓

"P"
697.80

4110	15.3	682.5	✓
20	8.9	688.9	✓
30	2.4	695.4	✓

"O"
710.22

40 6.9 703.3 ✓

"N"
723.04

50 11.5 711.5 ✓

60 3.9 719.1 ✓

"M"
736.69

64 13.2 723.5 ✓

70 12.4 724.3 ✓

Plotted Dec 34

E 5590

"M"
736.69

4180	11.1	725.6	✓
90	10.1	726.6	✓
4200	9.1	727.6	✓
10	8.1	728.6	✓
20	7.3	729.4	✓
30	6.3	730.4	✓
40	5.3	731.4	✓
50	4.3	732.4	✓
60	3.8	732.9	✓
4270	2.8	733.9	✓

E 5600

4250	4.7	732.0	✓
40	5.5	731.2	✓
30	6.5	730.2	✓
20	7.1	729.6	✓
10	7.9	728.8	✓
4200	8.7	728.0	✓
4190	9.7	727.0	✓
80	11.2	725.5	✓
66	12.7	724.0	✓
		"N" 723.04	
4160	3.8	719.2	✓

Plotted Dec 34

E 5600

		"N"	
		723.04	
4150	11.3	711.7	✓
		"O"	
		710.22	
40	6.7	703.5	✓
30	15.1	695.1	✓
		"P"	
		697.80	✓
20	10.4	687.4	✓
		"T"	
		689.07	
10	7.3	680.8	✓
4100	11.8	676.3	✓
4095	14.4	673.7	✓
90	18.8	669.3	✓
80	21.2	666.9	✓
4070	23.1	665.0 O.G.	✓

E 5610

		"S"	
		685.85	
4092	10.1	675.7 O.G.	✓
4100	8.8	677.0	✓
4110	6.1	679.7	✓

E 5610

		"P"	
		697.80	
4120	11.9	685.9	✓
30	4.4	693.4	✓
		"O"	
		710.22	
40	9.0	701.2	✓
50	1.3	708.9	✓
		"N"	
		723.04	
60	6.8	716.2	✓
		"M"	
		736.69	
72	11.9	724.8	✓
80	10.9	725.8	✓
90	9.2	727.5	✓
4200	8.8	727.9	✓
10	8.0	728.7	✓
20	7.0	729.7	✓
30	6.4	730.3	✓
40	5.7	731.0	✓
4250	4.9	731.8	✓

Plotted Dec 7-24

E 5620

"M"
736.69

4250	5.2	731.5	✓
40	5.6	731.1	✓
30	6.3	730.4	✓
20	6.7	730.0	✓
10	7.3	729.4	✓
4200	7.9	728.8	✓
4190	8.7	728.0	✓
82	9.8	726.9	✓
70	18.0	718.7	✓
	"N"	723.04	
60	10.4	712.6	✓
	"O"	710.22	
50	4.2	706.0	✓
43	9.2	701.0	✓
40	12.9	697.3	✓
	"P"	697.80	
30	6.5	691.3	✓
4120	13.2	684.6	✓
	"S"	685.85	
10	7.1	678.7	✓
4100	7.9	677.9	✓
4090	9.0	676.8 O.G.	

Reduced & Plotted See S-34 69*

E 5630

"P"
697.80

4110	19.6	0.6	
20	16.5		
30	11.0		
36	3.3		
	"O"	710.22	
39	9.2		
47	6.6		
50	4.5		
	"N"	723.04	
60	11.4		
70	4.7		
	"M"	36.69	
82	9.4		
90	8.4		
4200	7.6		
10	6.9		
20	6.2		
30	6.2		

Note: E. 5630 and on
East is original
Ground for spoil
Xsections.

Waste Material From
"Hog Box" Has been Dumped
East of E. 5630.

E. 5630 is original Ground.

E5640

"M"
736.69

4220	6.4
10	6.3
4200	6.5
90	7.0
80	8.0
70	0.8
60	7.0
50	1.5
40	7.8
4135	10.8

"N"
723.04

"O"
710.22

O.G.

O.G. on South.

"P"
697.80

E5650

411	17.0	O.G.
20	13.5	
28	9.9	
30	1.2	
40	7.3	

"O"
710.22

E5650

"N"
723.04

4150	12.0
60	4.6
70	8.8
80	8.0
90	6.8
4200	6.2
4210	6.4

"M"
736.69

4200	7.0
4190	7.1
80	7.7
71	8.3

"N"
723.04

60	3.2
50	11.2

"O"
710.22

40	5.3
----	-----

"P"
697.80

30	3.1	
20	10.2	
4112	15.8	O.G.

E 5670

"P"
697.80

4110 14.0 0.6.

20 7.3

"O"
710.22

30 11.8

40 4.8

"N"
723.04

50 9.5

60 11.1

"M"
736.69

67 8.8

80 8.0

90 7.7

4200 7.6

E 5680

4190 8.4

80 8.5

70 9.0

64 9.3

"N"
723.04

4150 5.8

E 5680

"O"
710.22

4140 1.6

35 5.8

30 12.6

"P"
697.80

20 7.2

4110 13.0 0.6.

E 5690

4110 11.8 0.6.

20 7.0

27 3.5

"O"
710.22

30 7.1

"N"
723.04

40 10.5

50 1.5

"M"
736.69

60 9.8

70 9.4

80 9.2

E.5700

"M"
736.69

4180	9.9
70	9.9
60	10.4
53	11.0
50	13.2

"N"
723.04

40	9.3
	"O" 710.22

30	6.0
----	-----

25	12.3
	"P" 697.80

4112	9.6	O.G.
------	-----	------

E.5710

4100	8.0	O.G.
------	-----	------

10	5.0
----	-----

20	0.2
----	-----

"O"
710.22

30	3.9
----	-----

"N"
723.04

4140	8.8
------	-----

E.5710

"M"
736.69

4152	11.2
------	------

60	10.7
----	------

4170	10.6
------	------

E.5720

4170	11.1
------	------

60	11.0
----	------

49	11.0
----	------

"N"
723.04

40	6.5
----	-----

"O"
710.22

30	2.7
----	-----

20	8.2
----	-----

"P"
697.80

4110	1.4
------	-----

4096	5.7
------	-----

4090	6.3	O.G.
------	-----	------

E 5730

"P"
697.80

4090 4.4 0.6

4100 0.0

"O"
710.22

10 8.7

20 2.8

"N"
723.04

30 8.9

40 3.2

"M"
736.69

45 11.5

50 11.5

4160 11.6

E 5740

4160 12.1

50 12.1

40 12.0

"N"
723.04

30 5.3

20 10.1

"O"
710.22

10 2.9

4100 7.5

E 5740

"P"
697.80

4090 0.2

4080 2.7 0.6

E 5750

"O"
710.19

4070 12.4 0.6

80 12.3

90 8.1

4100 1.4

"N"
723.04

10 8.1

20 1.9

"M"
736.69

30 12.0

35 11.4

40 12.5

4150 12.4

E 5760

"R"
727.78

4150 3.7

40 4.0

30 2.9

19 2.4

10 8.7

4100 15.4

"Q"
710.19

96 3.9

80 9.1

4070 10.9

O.G.

E 5770

4070 8.3

O.G.

80 4.9

90 0.7

"R"
727.78

4100 12.3

10 4.2

15 1.3

20 2.3

30 4.0

4140 4.1

E 5780

"R"
727.78

4140 4.3

30 4.7

25 4.5

15 2.0

08 2.4

4100 7.3

90 13.8

"Q"
710.19

80 1.5

70 6.9

O.G.

E 5790

4070 5.4

"R"
727.78

80 16.2

90 8.5

4100 2.3

10 2.2

20 5.0

30 4.7

E5800

"R"
727.78

4130	4.7
20	5.1
10	3.7

4100 1.6

90 7.5

80	15.0
----	------

"R"
710.19

4070 3.3

O.G.

E5810

4070 1.9

O.G.

"R"
727.78

80 14.4

90 7.2

95 5.6

4100 6.4

10 6.0

20 5.2

30 4.8

55

E5820

"R"
727.78

4130 4.9

20 5.3

10 6.1

4100 6.7

4088 6.8

80 14.3

4070 18.3

O.G.

E5830

4070 16.6 O.G.

80 15.1

91 6.8

4100 6.6

10 5.8

20 5.4

E 5840

"R"
727.78

4120

5.6

10

5.5

03

6.8

4100

9.5

4090

12.1

80

16.0

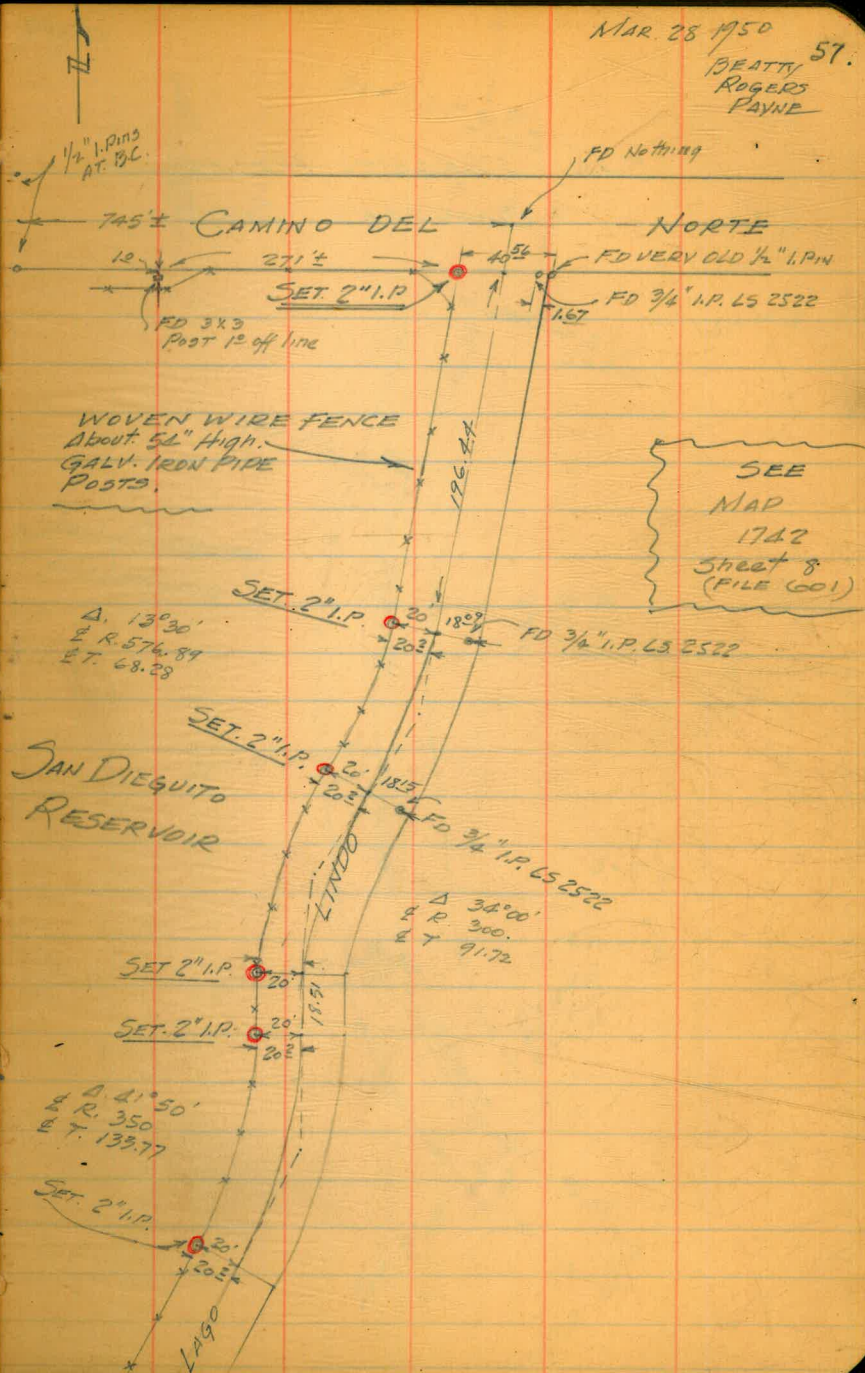
0.6

Original Ground on East,

SAN DIEGUITO RESERVOIR
Boundary Survey

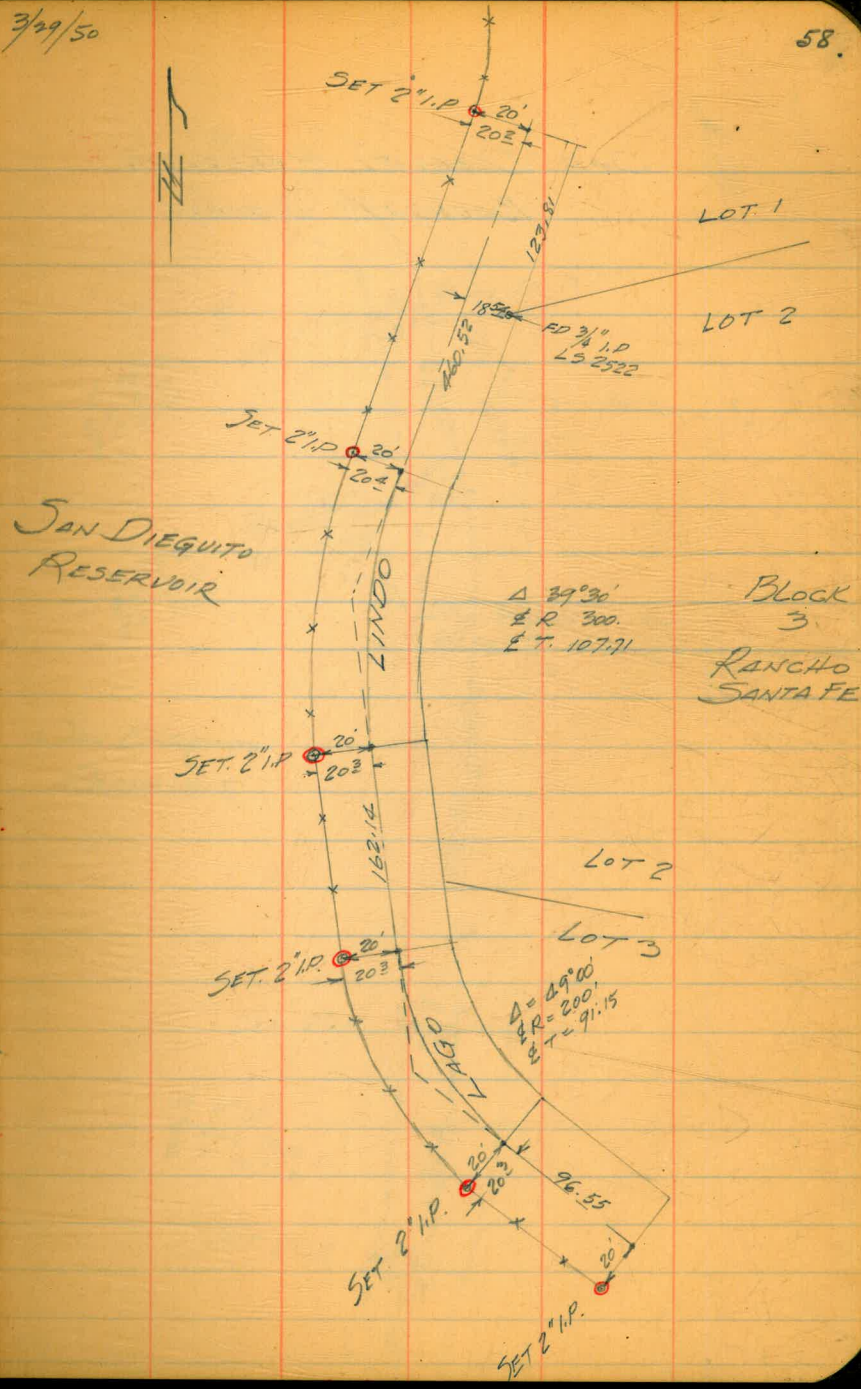
Notes:-

2" I.P. Cors. between
Camino Del Norte
& El Montevideo;
RESET (7-1-52 BEATTY)
FENCE ON BOUNDARY
HAS BEEN MOVED 1'
ONTO PROPERTY.



SAN DIEGUITO RESERVOIR
BOUNDARY SURVEY

3/29/50

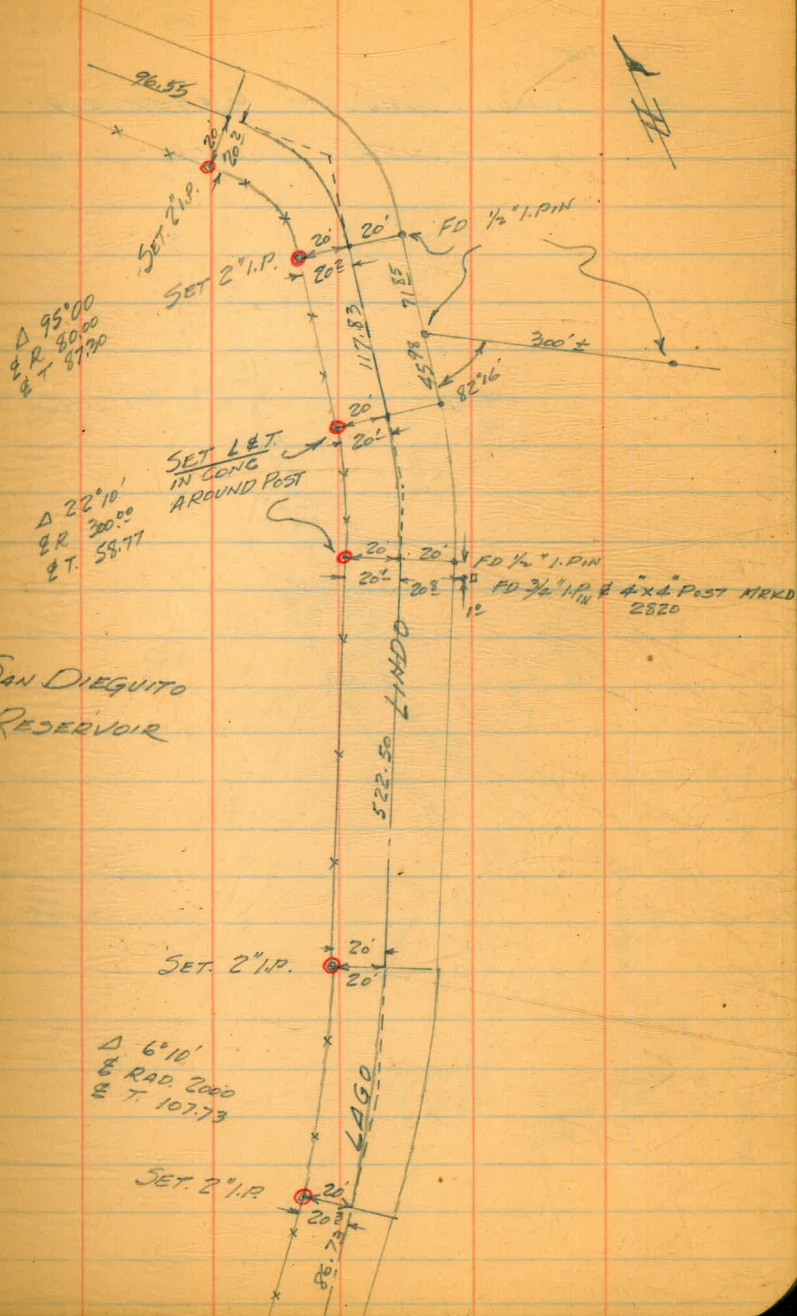


SAN DIEGUITO RESERVOIR
BOUNDARY SURVEY

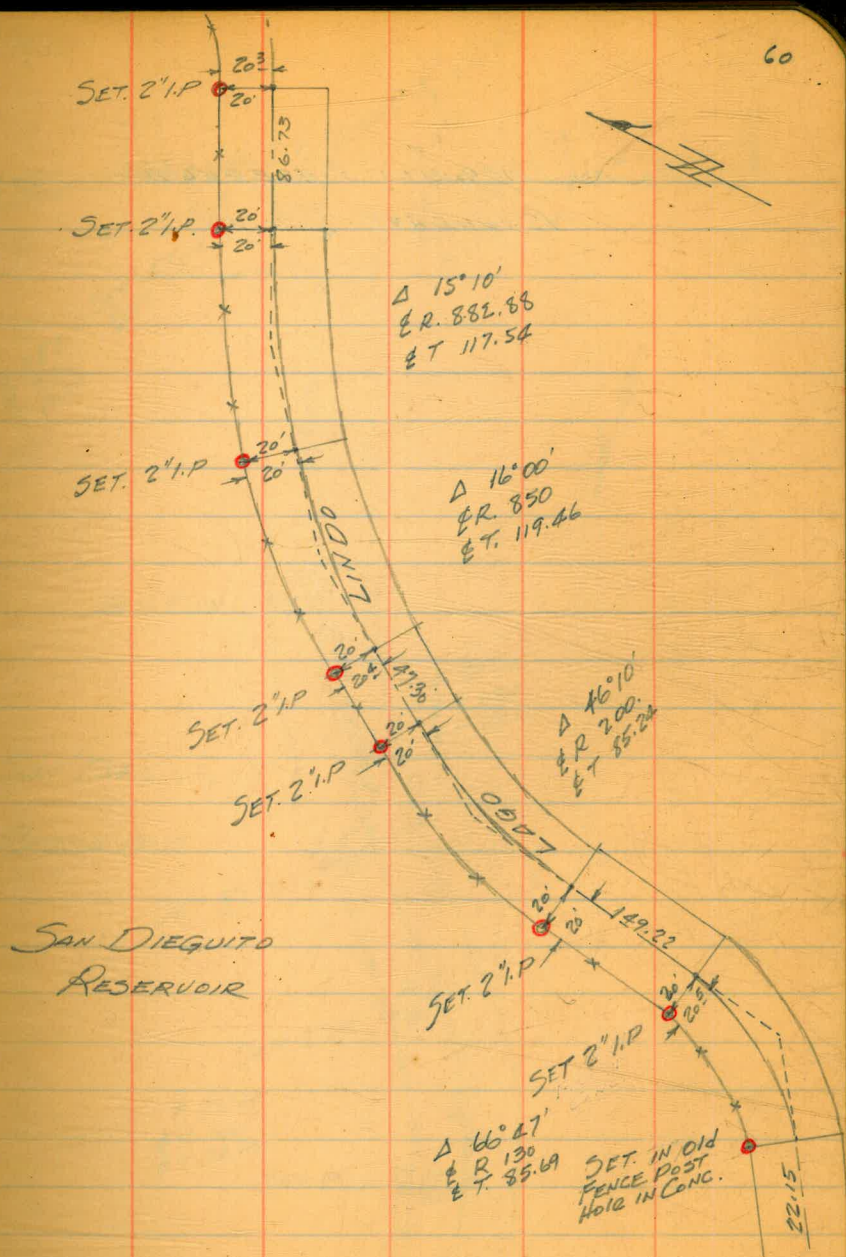
3/29/30

59.

SAN DIEGUITO
RESERVOIR



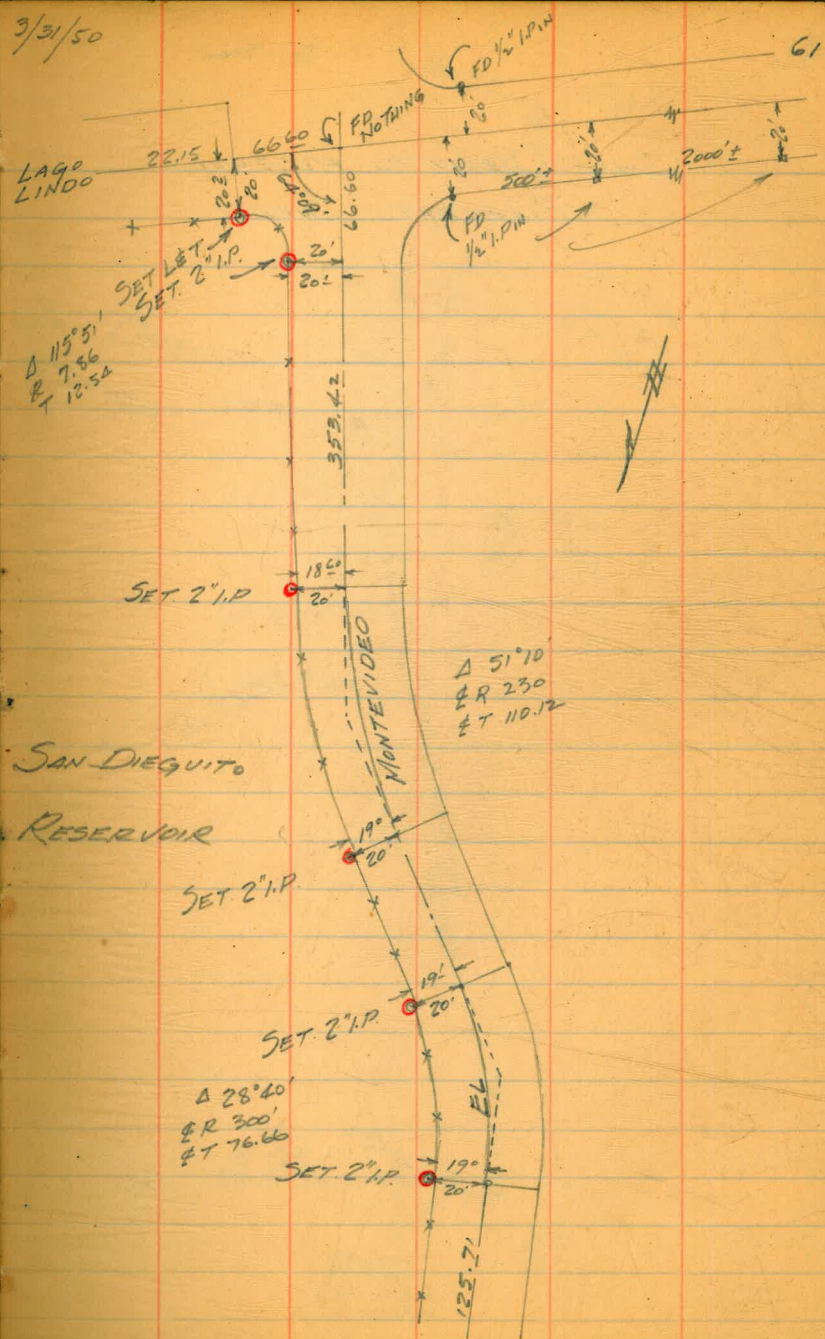
SAN DIEGUITO RESERVOIR
BOUNDARY SURVEY



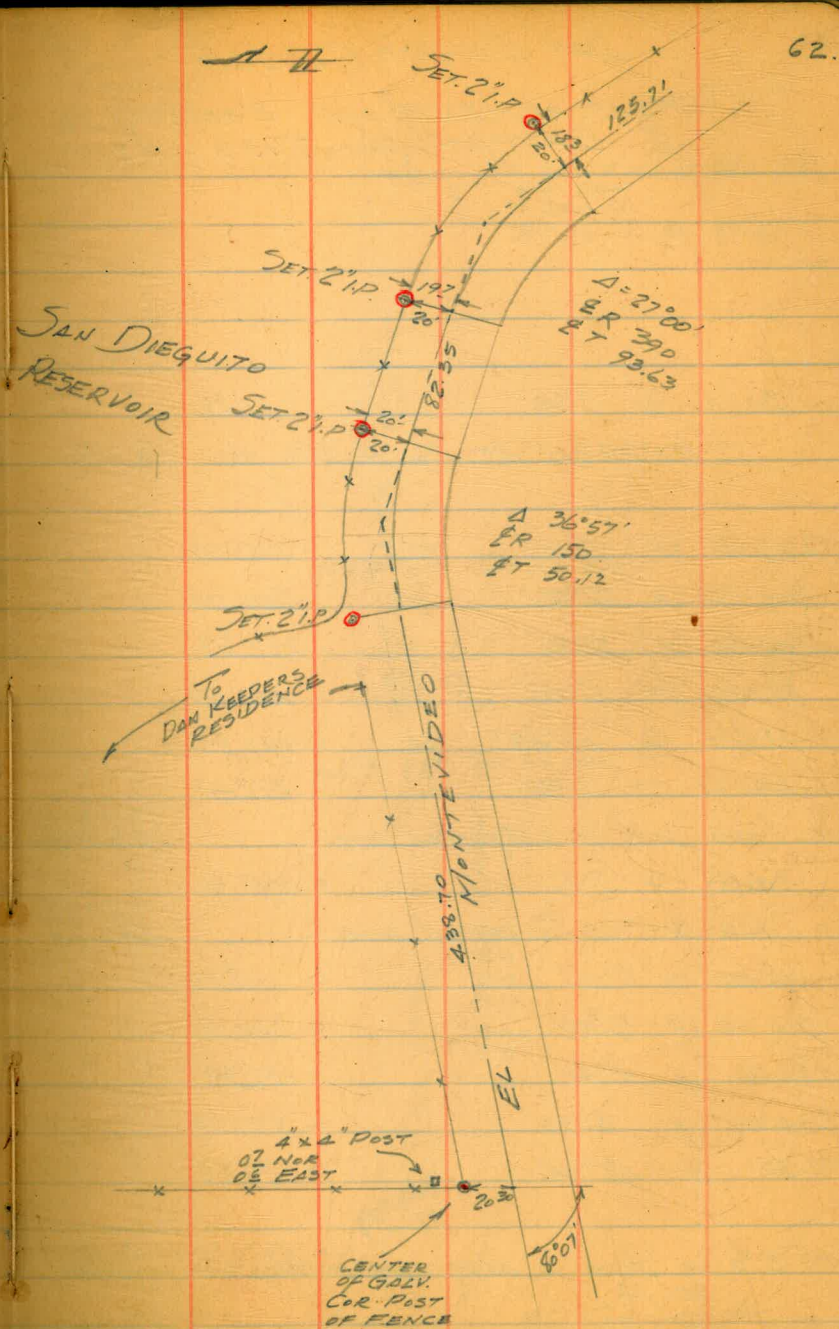
SAN DIEGUITO RESERVOIR
BOUNDARY SURVEY

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SAN DIEGUITO RESERVOIR
BOUNDARY SURVEY

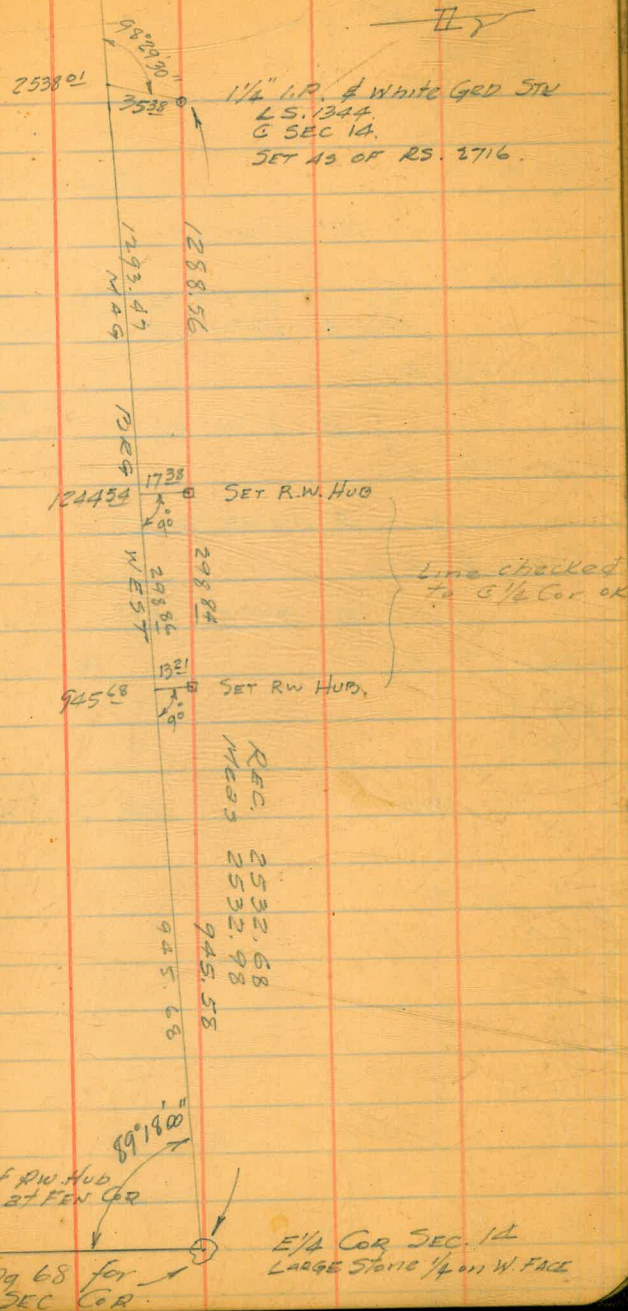


SAN DIEGUITO CONDUIT
MEASUREMENT OF Easterly 1/2
E SECTION 14 - T135 - R3W

		2532.98
36.50 @ 11°32'	=	35.38
98°29'30" RT To C SEC 14 1/4" I.P.		
223.00 @ 0°00'		223.00
300.00 @ 0°00'		300.00
300.00 @ 3°00'		299.58
100.00 @ 0°00'		100.00
152.00 @ 14°48'	=	148.89
222.00 @ 0°00'	=	222.00
POT. (HUB SET on Corrected line)		1244.42 1244.54
300'00 @ 5°00'	=	298.86
POT. (HUB SET on Corrected line)		945.58 945.68
65.00 @ 0°00'	=	65.00
300.00 @ 0°00'	=	300.00
186.00 @ 4°40'	=	185.39
300.00 @ 4°33'	=	299.04
98.55 @ 12°24'	=	96.25
TAT E 1/4 Cor Stone SEC 14	MAG. BRG. - West	0.00

OCT. 20 1951
BEATTY
LEONARD
POWELL

63.



NOTE:
SEE Pg 68 for
ORIG SEC COR.

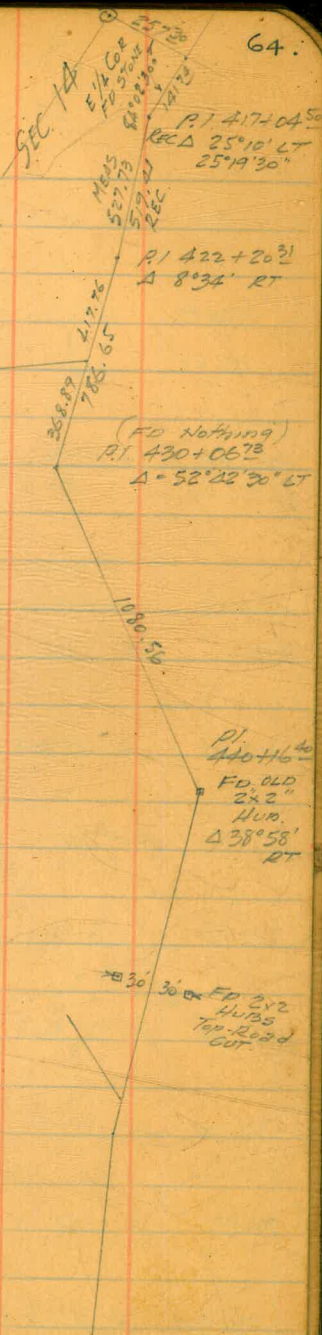
E 1/4 COR SEC 14
LARGE Stone 1/4 on W FACE

SAN DIEGUITO CONDUIT
E ROAD R.S. 476

OCT 20, 1951

257.30 To E 1/4 Cor ^{SEC 14}
 $95^{\circ} 57' 30''$ LT (358.79 To P.I. 420⁵⁰)
415+62.76
 $\Delta 25^{\circ} 19' 30''$ LT Turned
~~REC A $25^{\circ} 10' 17''$ LT -141.74~~
417+04.50 P.I.
 $\Delta 8^{\circ} 34'$ RT 527.73 MEAS.
~~519.41 REC.~~
422+20.31 P.I.
 $\Delta 52^{\circ} 42' 30''$ LT 786.65
430+06.73 P.I.
 $\Delta 38^{\circ} 58'$ RT 1080.56
440+16.40 P.I.
 POT FD 2 1/2" HUBS on top of CUT BANK

FD old 2" x 2" HUB

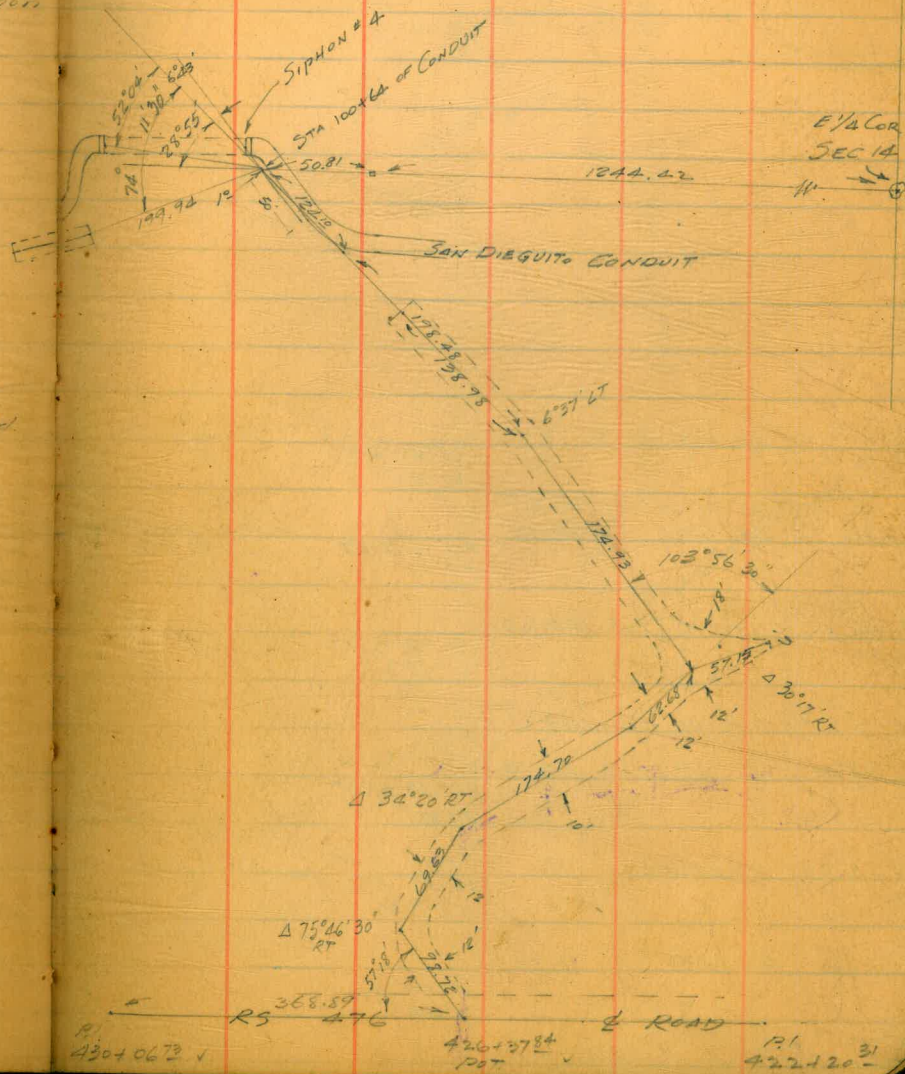


SAN Dieguito Conduit
Access Road Traverse

OCT 23 1951

65.

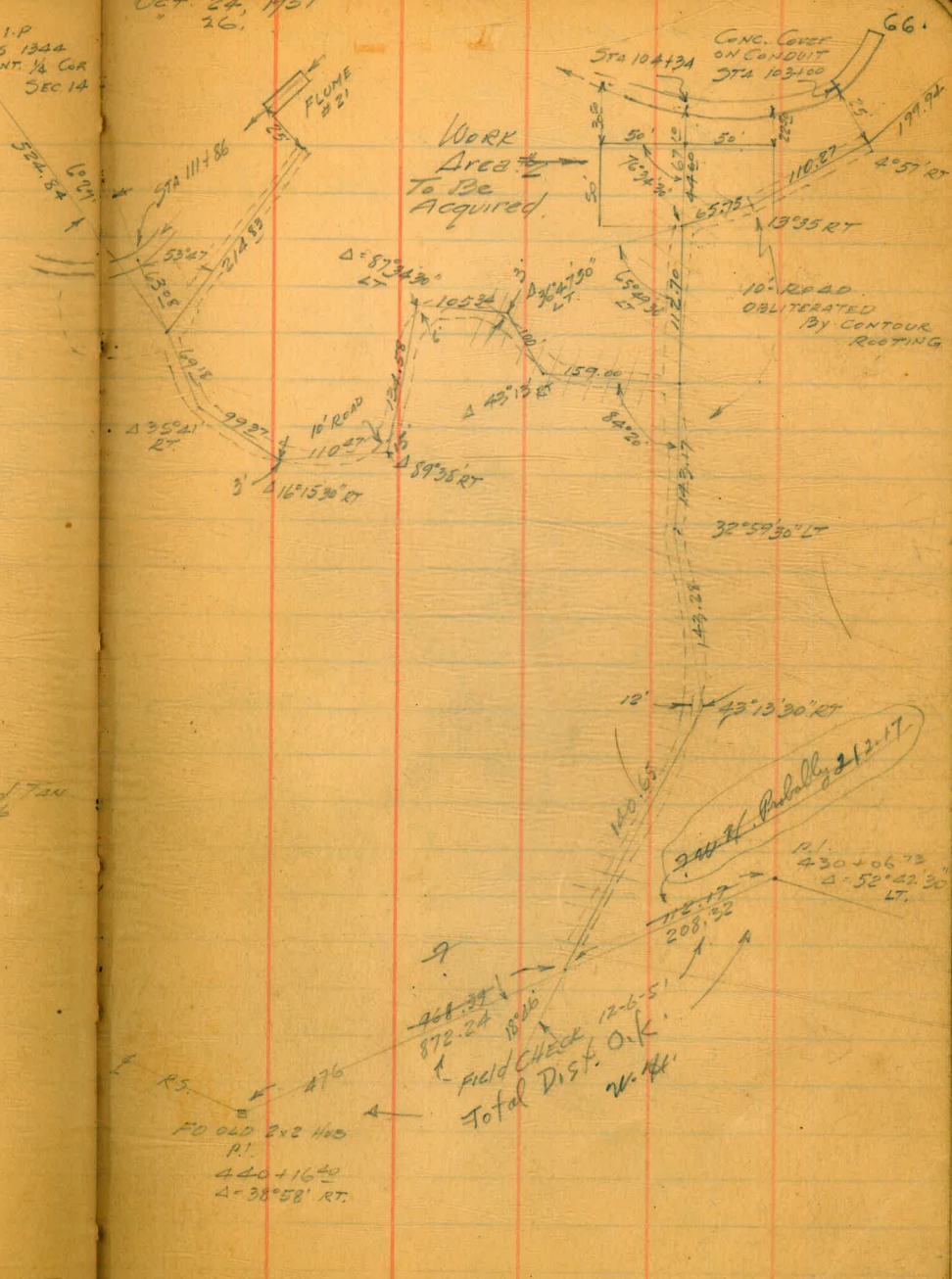
200.	@ 1°28' = 199.94	72°11'30" LT To END of Road 143°13'	52°04' LT To Hdwl of Siphon To Hdwl of Siphon
154.70	LEVEL		
16.00	LEVEL	EAST To Hdwl of Siphon	6'43' LT
51.32	@ 8°09' = 50.81	28°55' LT 57°50'	
124.10	LEVEL	124.10	
200.	@ 7°05' = 198.48	6°27' LT 13°14'	
139.20	@ 4°09' = 138.98	103°56'30" LT 207°53'	END of Rd.
175.50	@ 4°09' = 174.93	30°17' RT	
57.15	Level	57.15	
63.00	@ 5°30' = 62.68	17°02'30" LT 34°09'	
177.00	@ 9°17' = 174.70	32°20' RT 68°40'	
70.40	@ 8°21' = 69.63	75°46'30" LT 151°33'	
79.60	@ 8°02' = 98.72	57°8' RT 114°35'30"	



San Dieguito Conduit
Access Road Traverse
& Working Area

Oct. 24, 1951
26.

1/4 I.P.
LS 1344
INT. 1/4 COR
SEC. 14

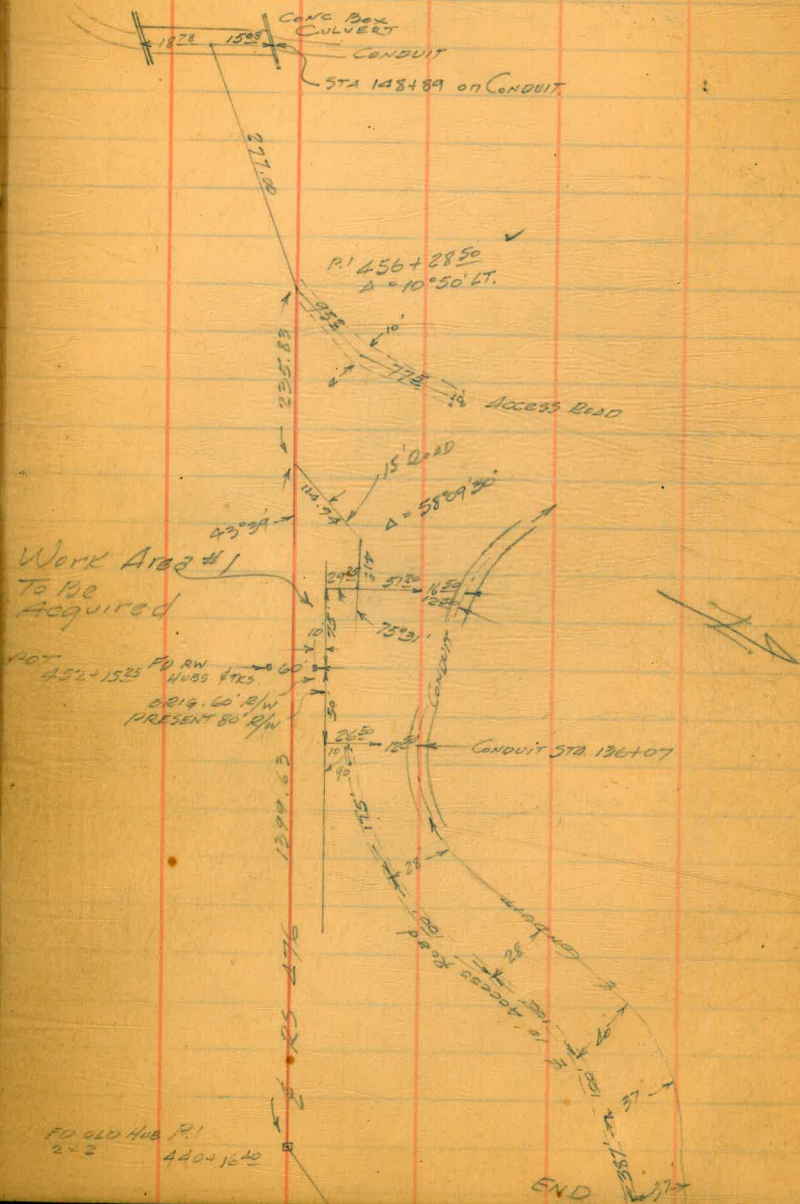


	18° 26' RT	
	37° 32'	
141.50 @ 6° 14'	= 140.65	
134.50 @ 7° 28'	= 133.96	Inter Road Turn
		25 416
	43° 13' 30" RT	
	86° 27'	
146.20 @ 11° 25'	= 143.28	
	1) 32° 59' 30" LT	
	2) 65° 58' 30"	
145.65 @ 10° 40'	= 143.17	
115.00 @ 11° 25'	= 112.70	
	65° 49' 30" LT	
	131° 39'	
65.75 LEVEL		
	13° 35' RT	
	27° 09' 30"	
111.00 @ 6° 37'	= 110.27	
	4° 57' RT	
	9° 54'	

SAN DIEGUITO CONDUIT
 Access Road Traverse
 & Work Area

OCT. 24 1951

67.

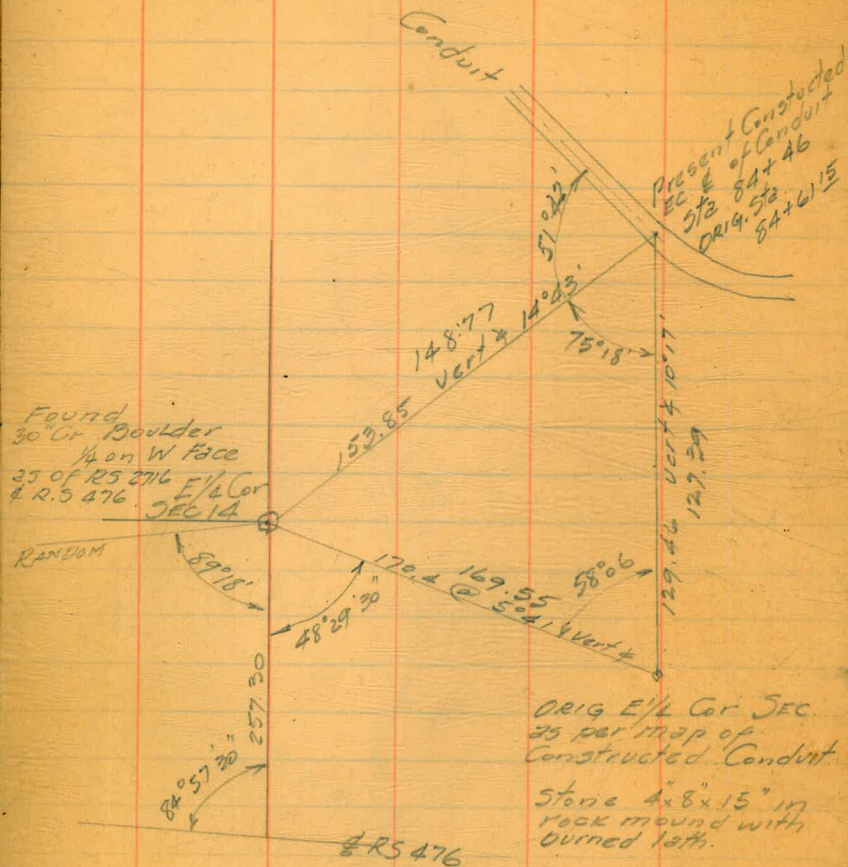


SAN DIEGUITO CONDUIT
 SEC 14
 TIES To E/4 Cor 25 Found
 & Orig E/4 Cor 25 found
 & To Conduit Stationing.

Oct. 27 1951

Beatty
 Leonard
 Powell.

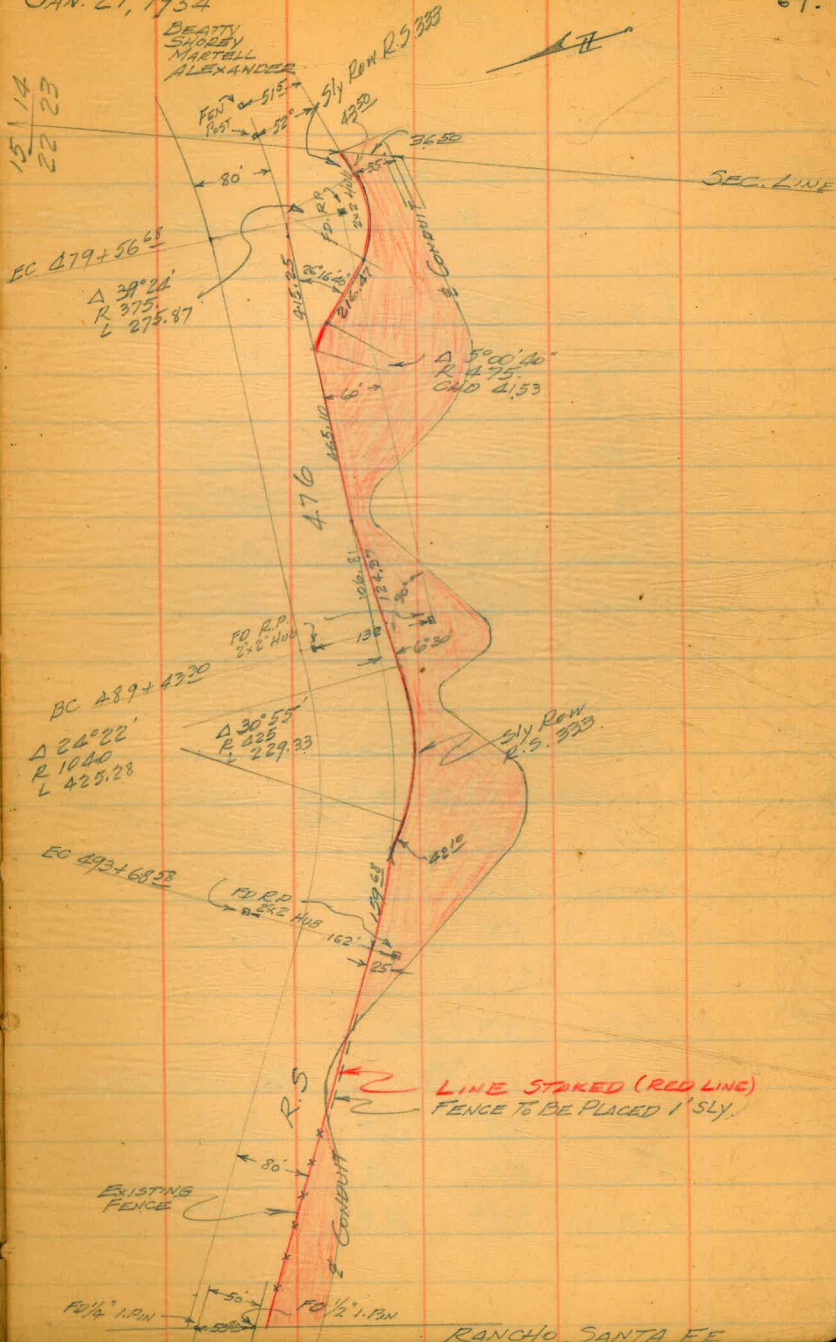
68.



SAN DIEGUITO CONDUIT.
 SLY R.O.W. R.S. N° 333 & R.S. 476
 STAKED FOR FENCE LINE
 (FILE 362-3-RS 476)
 FROM RANCHO SANTA FE TO F LINE SEC 22

JAN. 21, 1954

69.



HODGES DAM
ANNEXATION

π West 1/4 Cor Sec #18
Q Road
Pot on Section Line to Sta 353+25

1D	54°	19'	20"
3D			
3 Inverted	325°	56'	00"
Mean	54°	19'	20"

Sta 353+25 to 350+25 Q Road

1D	25°	52'	40"
3D			
3 Invert	155°	14'	20"
Mean	25	52'	23"

π 350+25 Q Road
West 1/4 Cor. to 353+25

1D	80°	35'	00"
3D			
3 Inverted	123°	29'	30"
Mean	80°	34'	55"

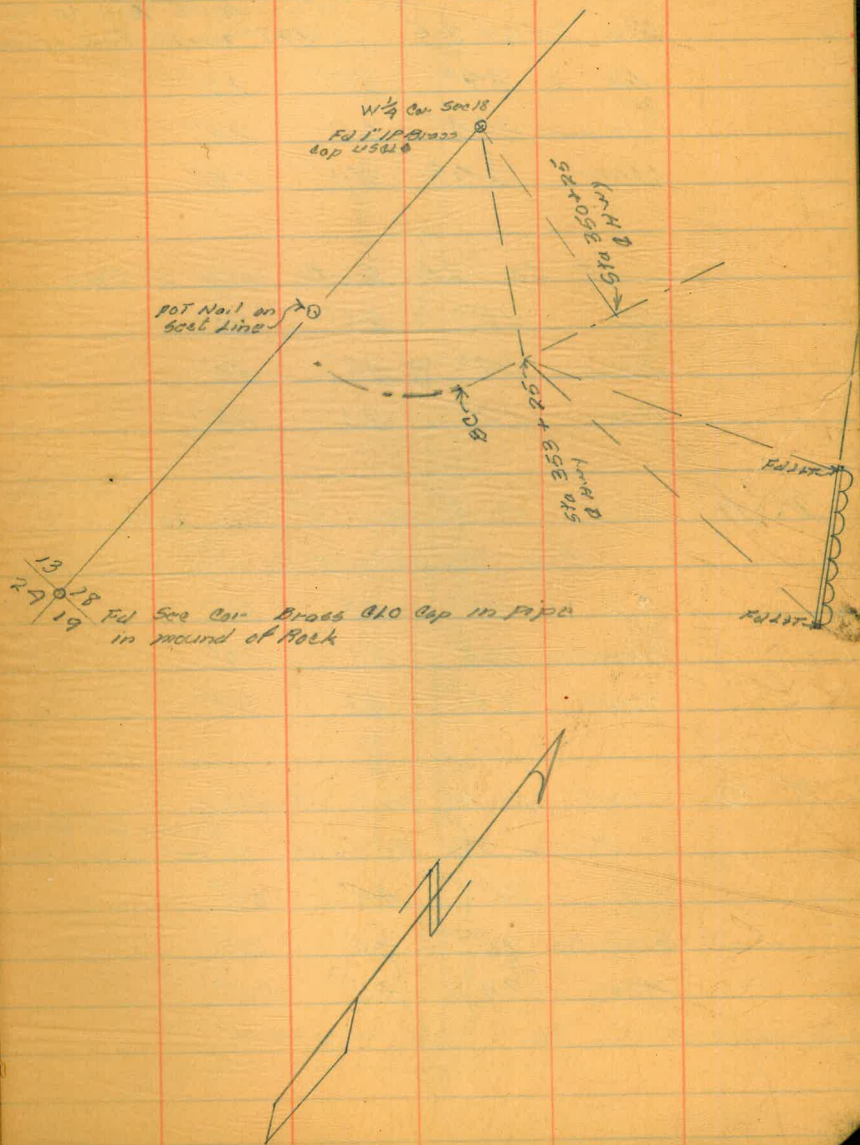
π Sta 353+25
West 1/4 Cor to Sta 350+25

1D	73°	32'	30"
3D			
3 Inverted	81	18'	30"
Mean	73°	33'	05"

West
Williams
Varonakis
Kellhofer

Hot

5A 15/156



T

Sta 353+25			
South End Spillway			
Sta 350+25 to L+T North End of Dam			
1D	39°	55'	10"
3D			
3 inverted	209°	31'	20"
Mean	39°	55'	13"

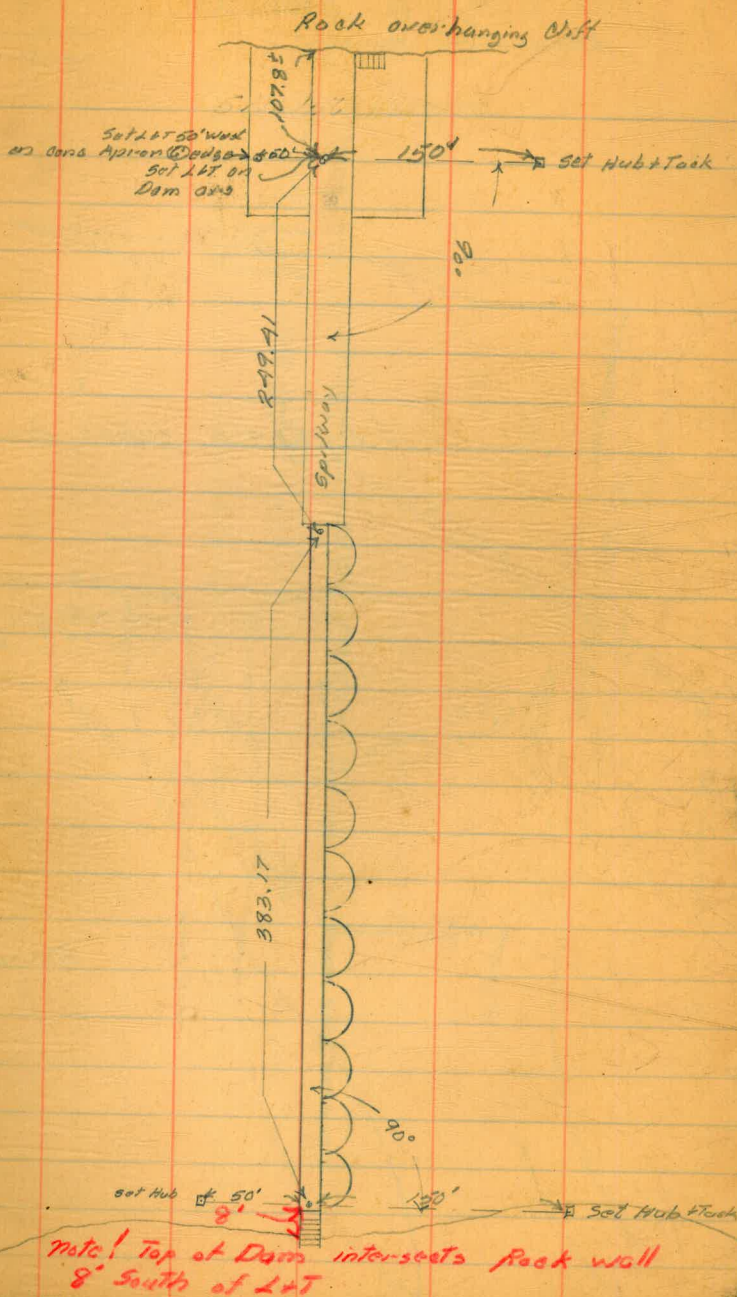
L+T to L+T South end of Dam			
1D	12°	26'	30"
3D			
3 inverted	74°	36'	50"
Mean	12°	26'	08"

T @

L+T North end of Dam South end of Spillway			
from Sta 353+25 to L+T on South end of Dam			
1D	94°	48'	30"
3D			
3 inverted	208°	51'	20"
Mean	94°	48'	33"

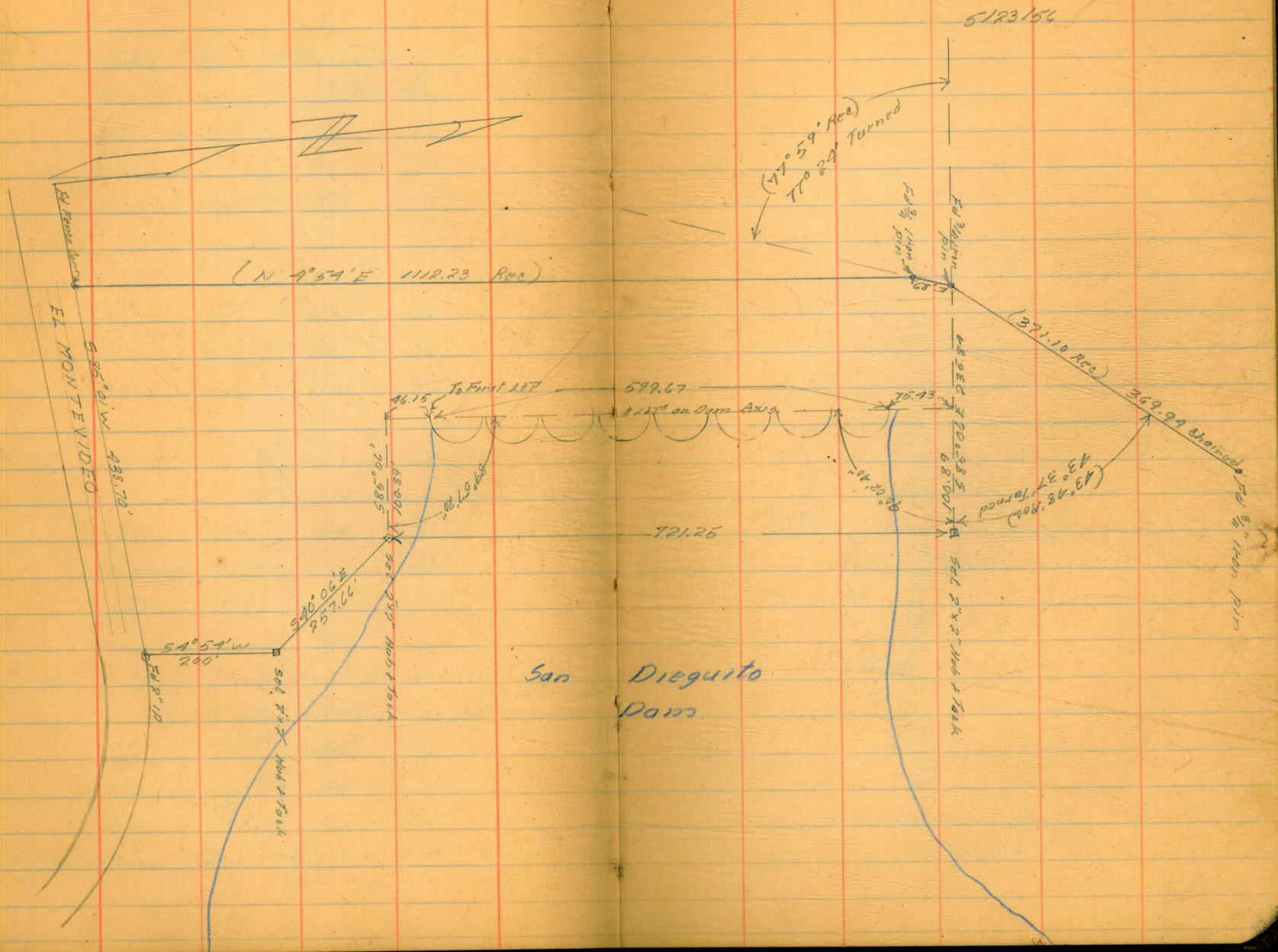
T @

L+T South end of Dam			
from Sta 353+25 to L+T N end Dam South end Spillway			
1D	72°	44'	50"
3D			
3 inverted	76°	30'	10"
Mean	72°	45'	01"



San Dieguito Reservoir
Annexation Survey

West
Williams
Varon Fakis
Kullhofer.



LOCKWOOD MESA

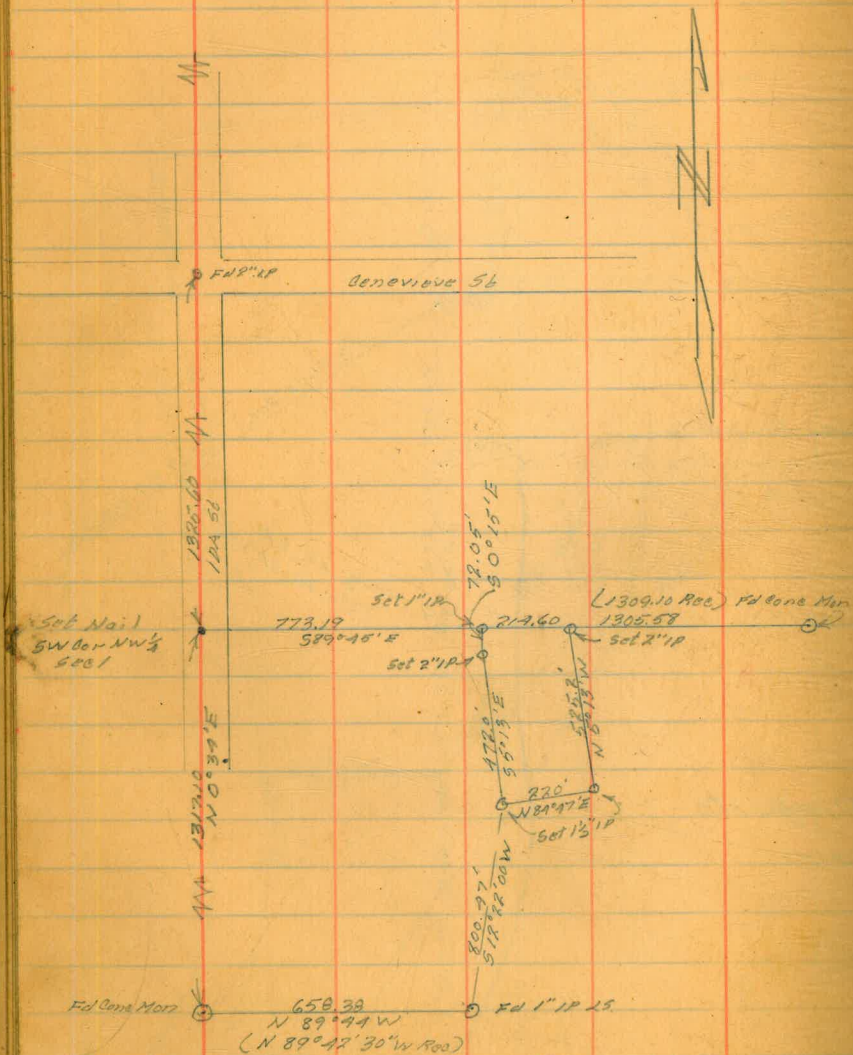
ANNEXATION SURVEY

⊙ Fd 1 1/2" Iron pipe Cor. Sec 35.36
2.1

West
Williams
Varonfakis
Kellhofer

73

5/28/56



LOCKWOOD MESA

ANNEXATION TRAVERSE

74

6/1/56

Bearing	Course	Sin	Cos	Dep		Lat		Angular Closure =
				East	West	North	South	
N 89° 44' W	658.38	.9999892	.0046542		658.37	3.06		90° 48' 30"
N 0° 34' E	1317.10	.0098900	.9999511	13.03		1317.04		90° 00' 00"
N 89° 45' E	773.19	.9999905	.0093633	773.18		3.37		189° 58' 00"
S 0° 15' E	72.05	.0043633	.9999905	0.31			72.05	162° 25' 00"
S 5° 13' E	472.0	.0909283	.9958580	42.92		470.04		89° 42' 00"
S 12° 22' W	800.47	.2141671	.9767970		171.43		781.90	102° 05' 15"
				829.44	829.80	1323.47	1323.99	

Levels For Final Xsections of Spoil Bank
South of Spillway, (See Pages 11-56)

Dec. 1-1934

Jimpson
Soper
Isbell
Remmen

B.M.	0.25	750.22	749.97	
T.P.			11.70	738.52
	4.31	"H" 742.83		
T.P.			12.67	730.16
	0.42	730.58		
T.P.			12.75	717.83
	10.63	"B" 728.46		
T.P.			12.75	715.71
	0.67	"C" 716.38		
T.P.			13.06	703.32
				Marked on Rock,
<u>Dec. 3-1934</u>				
B.M.	0.25	750.22	749.97	
T.P.			12.92	737.30
	6.15	"D" 743.45		
	1.22	738.52		
T.P.			12.34	726.18
	2.88	"E" 729.06		
	0.34	726.52		
T.P.			12.98	713.54
	0.93	"F" 714.47		
T.P.			12.64	701.83
			11.08	703.39
				check on T.P. 703.32
	0.59	"G" 702.42		
T.P.			12.83	689.59
				on stake with Marker

				"D" 743.45	
T.P.X			8.34	735.11	Peg
	0.55	"H" 735.66			
T.P.			12.84	722.82	
	0.42	"I" 723.24 722.40			
T.P.			12.55	710.69 709.85	
	1.32	"J" 712.01 711.17			
B.M.	1.02	"K" 750.91		749.89	Lead & tack Weir - Sta. 10+55
<u>Dec. 4-1934</u>					
B.M.	0.50	"L" 750.39		749.89	
T.P.X	1.58	"M" 736.69		735.11	
T.P.	0.22	"N" 723.04		722.82	
T.P.			13.02	710.02	
	0.20	"O" 710.22			
T.P.			12.81	697.41	
	0.39	"P" 697.80			
T.P.			0.25	697.55	
	12.64	"Q" 710.19			
		"M" 736.69			
T.P.			11.84	724.85	
	2.93	"R" 727.78			
			2.12	725.66	check on = B.M. Elev. 725.73

Dec. 5-1934

	"P"	697.80			
T.P.			12.41	685.39	
	"S"	685.85			
Check	0.46		8.26	677.59	Rec. Elev. 677.64
	"T"	688.07			
T.P.	10.48				
			12.31	675.76	
T.P.	0.57	676.33			
			12.00	664.33	
T.P.	8.83	673.16			
	"U"		13.00	660.16	
T.P.	0.36	660.52			
	"V" ③		12.83	647.69	
T.P.	3.65	651.34			
			9.80	641.54	
T.P.	4.52	646.06 ④			
				677.59	
	"X"	688.01			
	"U"	673.16			
T.P.	10.42		10.29	662.87	
	"Y" ②	674.80			
Check on B.M.	11.93		10.21	664.59	Rec. Elev. 664.63
	"X"	688.01			
T.P.			8.22	679.79	
	"Z" ①	690.45			
T.P.	10.66		0.20	690.25	Rec. Elev.
	"Z"	699.50			
Check on T.P.	9.25		9.93	689.57	689.59

DIRECTIONS FOR USE OF TABLES

673.16

54

667.8

Distance of slope from side or shoulder
 take for any width of slope 1/2 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

IMPROVED TABLES

AND

INFORMATION

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

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

150