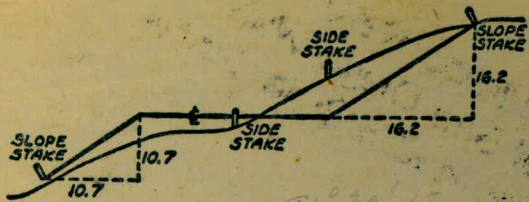


W 814





DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING  
SLOPE 1 TO 1. ROADWAY OF ANY WIDTH

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	0
1	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	1
2	2.00	2.10	2.20	2.30	2.40	2.50	2.60	2.70	2.80	2.90	2
3	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	3
4	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70	4.80	4.90	4
5	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70	5.80	5.90	5
6	6.00	6.10	6.20	6.30	6.40	6.50	6.60	6.70	6.80	6.90	6
7	7.00	7.10	7.20	7.30	7.40	7.50	7.60	7.70	7.80	7.90	7
8	8.00	8.10	8.20	8.30	8.40	8.50	8.60	8.70	8.80	8.90	8
9	9.00	9.10	9.20	9.30	9.40	9.50	9.60	9.70	9.80	9.90	9
10	10.00	10.10	10.20	10.30	10.40	10.50	10.60	10.70	10.80	10.90	10
11	11.00	11.10	11.20	11.30	11.40	11.50	11.60	11.70	11.80	11.90	11
12	12.00	12.10	12.20	12.30	12.40	12.50	12.60	12.70	12.80	12.90	12
13	13.00	13.10	13.20	13.30	13.40	13.50	13.60	13.70	13.80	13.90	13
14	14.00	14.10	14.20	14.30	14.40	14.50	14.60	14.70	14.80	14.90	14
15	15.00	15.10	15.20	15.30	15.40	15.50	15.60	15.70	15.80	15.90	15
16	16.00	16.10	16.20	16.30	16.40	16.50	16.60	16.70	16.80	16.90	16
17	17.00	17.10	17.20	17.30	17.40	17.50	17.60	17.70	17.80	17.90	17
18	18.00	18.10	18.20	18.30	18.40	18.50	18.60	18.70	18.80	18.90	18
19	19.00	19.10	19.20	19.30	19.40	19.50	19.60	19.70	19.80	19.90	19
20	20.00	20.10	20.20	20.30	20.40	20.50	20.60	20.70	20.80	20.90	20
21	21.00	21.10	21.20	21.30	21.40	21.50	21.60	21.70	21.80	21.90	21
22	22.00	22.10	22.20	22.30	22.40	22.50	22.60	22.70	22.80	22.90	22
23	23.00	23.10	23.20	23.30	23.40	23.50	23.60	23.70	23.80	23.90	23
24	24.00	24.10	24.20	24.30	24.40	24.50	24.60	24.70	24.80	24.90	24
25	25.00	25.10	25.20	25.30	25.40	25.50	25.60	25.70	25.80	25.90	25
26	26.00	26.10	26.20	26.30	26.40	26.50	26.60	26.70	26.80	26.90	26
27	27.00	27.10	27.20	27.30	27.40	27.50	27.60	27.70	27.80	27.90	27
28	28.00	28.10	28.20	28.30	28.40	28.50	28.60	28.70	28.80	28.90	28
29	29.00	29.10	29.20	29.30	29.40	29.50	29.60	29.70	29.80	29.90	29
30	30.00	30.10	30.20	30.30	30.40	30.50	30.60	30.70	30.80	30.90	30
31	31.00	31.10	31.20	31.30	31.40	31.50	31.60	31.70	31.80	31.90	31
32	32.00	32.10	32.20	32.30	32.40	32.50	32.60	32.70	32.80	32.90	32
33	33.00	33.10	33.20	33.30	33.40	33.50	33.60	33.70	33.80	33.90	33
34	34.00	34.10	34.20	34.30	34.40	34.50	34.60	34.70	34.80	34.90	34
35	35.00	35.10	35.20	35.30	35.40	35.50	35.60	35.70	35.80	35.90	35
36	36.00	36.10	36.20	36.30	36.40	36.50	36.60	36.70	36.80	36.90	36
37	37.00	37.10	37.20	37.30	37.40	37.50	37.60	37.70	37.80	37.90	37
38	38.00	38.10	38.20	38.30	38.40	38.50	38.60	38.70	38.80	38.90	38
39	39.00	39.10	39.20	39.30	39.40	39.50	39.60	39.70	39.80	39.90	39
40	40.00	40.10	40.20	40.30	40.40	40.50	40.60	40.70	40.80	40.90	40
41	41.00	41.10	41.20	41.30	41.40	41.50	41.60	41.70	41.80	41.90	41
42	42.00	42.10	42.20	42.30	42.40	42.50	42.60	42.70	42.80	42.90	42
43	43.00	43.10	43.20	43.30	43.40	43.50	43.60	43.70	43.80	43.90	43
44	44.00	44.10	44.20	44.30	44.40	44.50	44.60	44.70	44.80	44.90	44
45	45.00	45.10	45.20	45.30	45.40	45.50	45.60	45.70	45.80	45.90	45
46	46.00	46.10	46.20	46.30	46.40	46.50	46.60	46.70	46.80	46.90	46
47	47.00	47.10	47.20	47.30	47.40	47.50	47.60	47.70	47.80	47.90	47
48	48.00	48.10	48.20	48.30	48.40	48.50	48.60	48.70	48.80	48.90	48
49	49.00	49.10	49.20	49.30	49.40	49.50	49.60	49.70	49.80	49.90	49
50	50.00	50.10	50.20	50.30	50.40	50.50	50.60	50.70	50.80	50.90	50

Distance of slope stake from side or shoulder stake for any width roadway, slope 1 to 1. If ground is nearly level, the cut or fill at side stake is located by the double entry method in left column and top row. The number in body of table in same row and column gives distance from side stake to slope stake. If ground is not level estimate the difference in elevation between the side stake and slope stake, lower target by this amount if cut, elevate if fill. Add this amount to cut or fill and find distance in table. Set up rod at this point, and line of sight should cut target. If it does not make the slight adjustment necessary.

Please Return to  
City of San Diego Water Dept.  
Room 903 Civic Center

82°58' LT N81°30'W

600' Od to 2nd  
CULV from East

880' Od to 3rd  
CULV

734' B' North Rd

2nd CULV

497 @ 3°30' 117°30' LT

447 @ 3°30' 102°40' LT

412 @ 3°45' 89°30' LT

371 @ 3°55' 69°35' LT

410 @ 3°45' 53°05' LT

438 @ 3°35' 38°40' LT

286 W to PL

383 E to FENCE

758 E to 395

450 1060 E to N 1/2 Cor

N 0°30' W 88°30' LT

395 @ 7°33'

41 + 52

- 20' on rd

To North Edge

at North Edge 13' North Rd

625 @ + 6' on END OF FENCE

855' LT N 1°00' E

215 on rd

452 @ 7°20'

23°03' LT N 21°30' W

10.3 on rd

720 @ + 3°15' on 5 RD

59°50' LT N 58°30' W

972 @ 4°56' on 8 RD

APT 724°56' LT N 73°30' W

FENCE

1212 @ 0°35' 1 on rd

82°01' LT N 90°30' W

463' 1' 05'

0°31' LT TO

FENCE LINE

of 5th Edge Rd

SET 100 EAST

ELEV NAIC

421.11

97°31' LT N 5°00'

586 @ 3°50'

220 @ 5°

220 @ 3°35'

12' 58' @ 40'

58 Lower 18' 00'

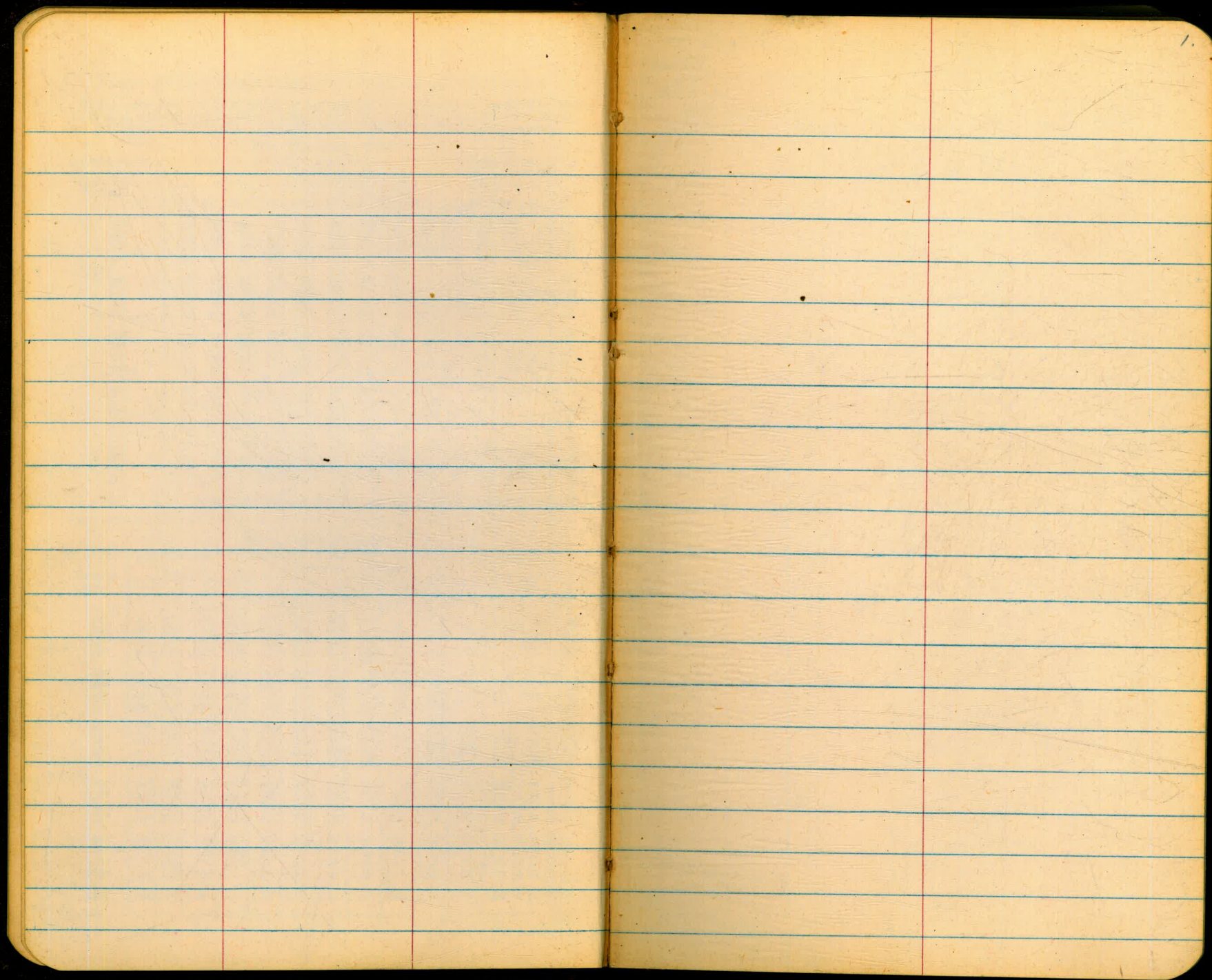
6' Higher 22' 00'

20% 250' than 111







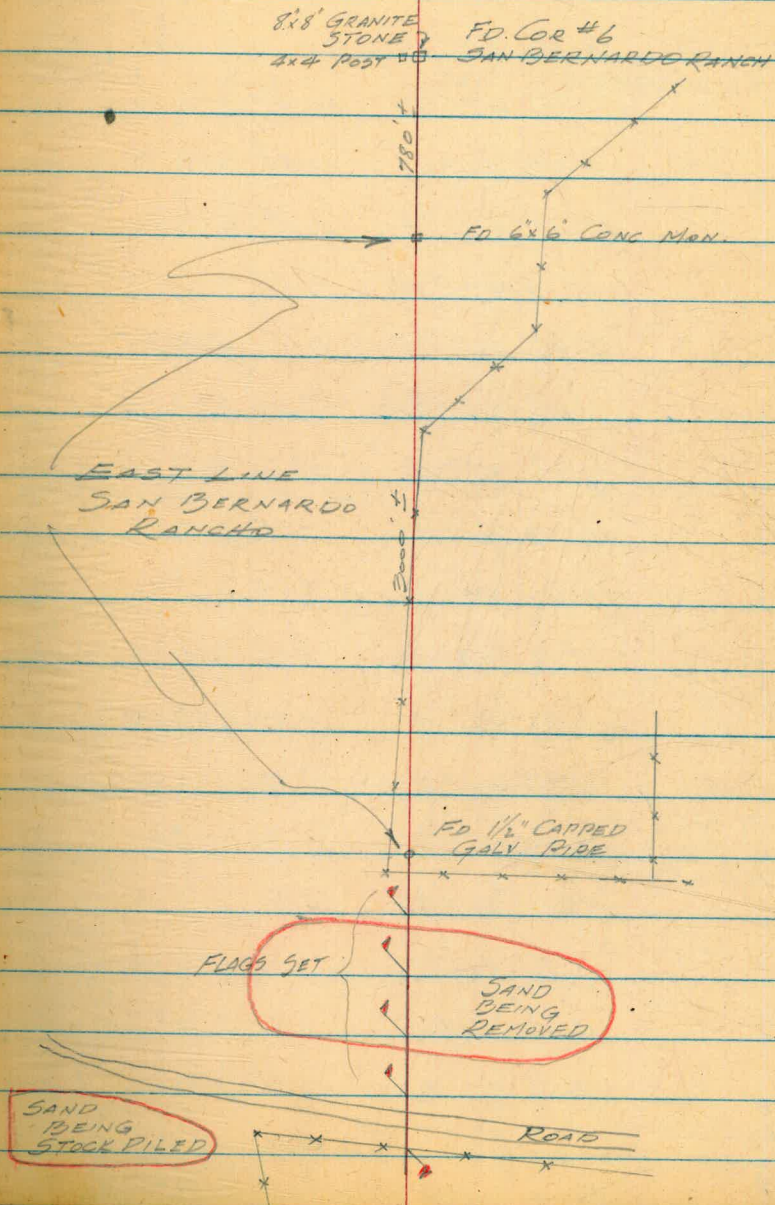




HODGES RESERVOIR  
CITY PROPERTY LINE  
FLAGGED  
EAST LINE OF SAN BERNARDO  
RANCH THRU RIVER BOTTOM

Nov. 7, 1951 - WARM  
BEATTY  
LEONARD  
POWELL

2





HODGES RESERVOIR  
400' CONTOUR FLAGGED IN  
BANDY CANYON  
SOUTH OF HIGHWAY BRIDGE

BM	8.46	419.10		410.636 410.64
TP	7.07	425.83	0.34	418.36
TP	4.40	419.61	10.62	415.21
TP	13.25	432.73	0.13	419.48
TP	11.75	444.32	0.16	432.57
TP	0.86	440.71	4.47	439.85
TP	0.02	427.84	12.89	427.82
TP	3.89	418.63	13.10	414.74
TP	0.14	410.09	8.68	409.95
TP	9.60	410.60	9.09	401.00
TP	5.14	407.70	8.04	402.56
TP	8.07	410.13	5.64	402.06
TP	10.32	412.07	8.38	401.75
TP	6.75	412.70	6.12	405.95
TP	10.10	410.00	12.80	399.90
TP	13.30	416.03	7.27	402.73
TP	2.32	409.13	9.22	406.81
TP	10.77	417.08	2.82	406.31
TP <sup>ck</sup>			5.81	411.27 = 410.74
ck BM			3.42	413.66 = 413.77

Nov. 15 1951

Beatty N.  
LEONARD T.  
POWELL &

USGS BM 4" CAPPED PIPE IN FRONT OF  
ADOBE SCHOOL SEE F.B. 258-259 pg. 88

NAIL IN P. Pole # 112576  
1000' Easterly of Bridge

GONE  
New Pole 156

400' Contour Flagged  
on SANTA MARIA  
River Southerly of  
County Highway  
Bridge

F.I.

FENTONS RANCH ENTRANCE  
X ON SE COR CATTLE GUARD CONC. FOOTING  
SPIKE IN PILE SE WIND WALL OF BRIDGE GONE



HODGES RESERVOIR

Nov. 15 1951

4.

BM.	0.92	414.58		413.66 = 413.77	SPIKE IN Pile SE Wing Wall of Bridge { SEE E.B. 780 p. 61
IP	6.76	417.14	4.20	410.38	
CK IP			2.45	414.69 = 414.74	NAIL IN Po. Pole # 112546



HODGES RES.  
LOCATION OF SE END OF  
400' CONTOUR  
IN BANDY CANYON

DEC 14, 1951

BETTY  
LEONARD  
POWELL

5

↑  
N

105.	@	20°05'	=	98.62
124.4	@	9°55'	=	122.53
200.	@	18°20'	=	194.85
146.15	@	12°42'	=	142.57
201.	@	17°00'	=	192.26

Δ 29°15' RT

109.10	@	9°18'	=	108.58
200.	@	6°23'	=	198.76
60.	@	15°10'	=	57.90
201.	@	7°32'	=	199.27
473.	@	12°52'	=	46.12
199.1	@	20°17'	=	192.90
175.	@	Level	=	175.00
100.	@	4°24'	=	99.71
200.	@	7°37'	=	198.24
148.10	@	1°34'	=	148.04

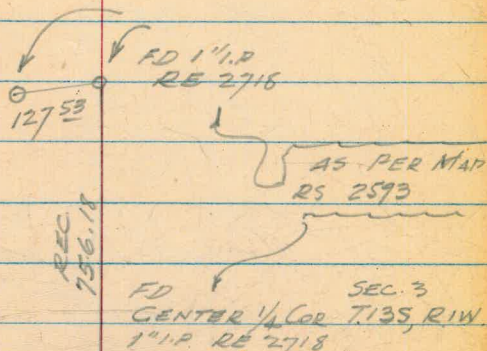
CENTER 1/4 COR. BEGIN

750.83

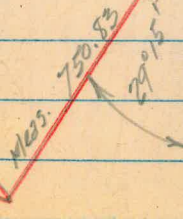
1424.52

SANTA MARIA  
400' CONTOUR

SW 1/4  
SEC. 3  
T. 135. R. 1W.



MAG. BY 5 1' 30" E  
MAG. 1024.52





## HODGE LANDS

395 CONTOUR

IN PARCEL No 26

FILE 2250-D1

WD - 214

FOR GEO. W. WOOD LEASE

	+	HI.	-	ELEV.
BM	5.22	365.22		360.00
TP	2.24	363.24	4.22	361.00
TP	11.33	373.87	0.70	362.54
TP	13.15	386.96	0.04	373.83
TP	12.98	399.71	0.25	386.73
TP	7.81	407.21	0.31	399.40
			12.2	395.00
TP	12.55	419.62	0.14	407.07
TP	4.03	423.68	+ 0.03	419.65 <b>420.65</b>
			2.01	421.67 <b>422.67</b>
TP	11.71	430.49	4.90	418.78
CK Co. BM			6.29	<u>424.20</u> =
			2.97	<u>427.52</u> <b>428.52</b>
TP	1.58	422.69	9.38	421.11 <b>422.11</b>
TP	0.60	410.45	12.84	409.85
TP	0.49	397.79	13.15	397.30
TP	0.64	385.48	12.95	384.84
TP	0.19	372.77	12.90	372.58
TP	2.18	362.66	12.29	360.48
CK WELL #3			4.88	357.78 = 358.76
TP	7.33	369.47	0.52	362.14
CK US BM	10.81	380.27	1.08	368.39 = 369.46
TP	12.46	392.51	0.22	380.05
TP	12.91	405.18	0.24	392.27
TP	10.31	415.35	0.14	405.04
TP	11.74	426.67	0.42	414.93
TP	8.38	423.27	11.78	414.89
			1.16	422.11 = 421.11
TP	0.22	410.46	13.03	410.24
SET. TBM	4.09	403.25	11.70	398.76
SET TBM			8.66	394.59
			8.25	395.00 Contour

JAN. 23, 1952

BEATTY  
LEONARD  
POWELL

6

Top 12" Well casing. Well # 7 BK 325

395 Contour Flagged

SW Cor Conc Culv. A-4.73

SW Cor Conc Culv. A-4.77

Co. BM 1" IR Nor side Road

No Record

SW Cor Conc Culv. A-4.60

spike on So Edge Road on line of West Property Fence

Top Well # 3 BK 325

Dif. 102

USCGS BM Y-307 1935

1000' Nor. Sec. Cor. 29-32-31-30

Spike

NAIL IN FEN. POST

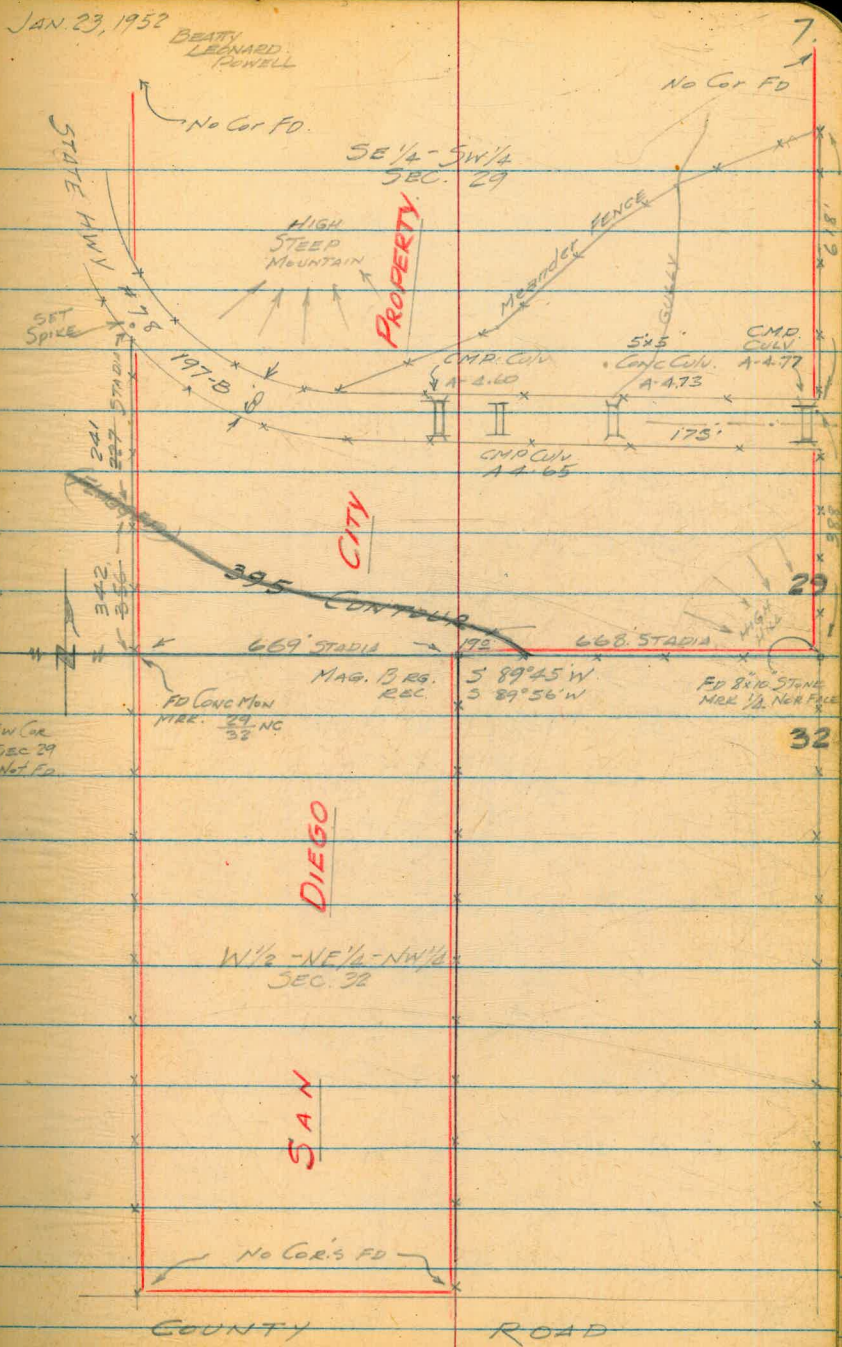
Top Iron Rims Irrig. TILE OUTLET (10" TILE)

} on West Bdy  
at 395. Contour



HODGES LANDS  
 STADIA SURVEY 395 CONTOUR  
 PARCEL N<sup>o</sup> 26

STATION	CORR STADIA	ELEV.	MAG. BRG.
		439.7	
ELEV. HI 5.3 Rod 1.0 + 12.0 422 423	1212. @ 0°35' = 1212	- 438.7	N 80°30' W
	∠ 82°01' LT	451.0	
ELEV. HI 5.3 Rod 8.0 + 30.7 422 423	912. @ 1°56' = 1.911	- 450.0	N 73°30' W
	∠ 74°56' LT	464.1	
ELEV. HI 5.3 Rod 5° + 40.8 422 423	720. @ 3°15' = 718.	- 463.1	N 58°30' W
	∠ 59°50' LT	476.4	
ELEV. HI 5.3 Rod 103 + 10.4 422 423	452. @ 2°20' = 453	- 435.4	N 21°30' W
	∠ 23°03' LT	490.2	
ELEV. HI 5.3 Rod 32 + 65.1 422 423	625. @ 6°01' = 618'	- 489.2 Elev.	
	∠ 0°55' LT		N 0°30' W
At PT. 13' Nor of Road		423.00	
ELEV. HI 5.2 Rod 200 + 51.4 422.		422.00	
To PT. 13' Nor of Road	395 @ 7°33' = 388'		N 0°30' E
	∠ 88°30' LT		N 0°30' E
At 5/4 Cor Sec. 29		477.6	
		476.6 ELEV	
To 5/4 Cor Sec. 29	668.		N 89°45' E
To NW Cor W 1/2 - NE 1/4 - NW 1/4	669.		S 89°45' W
Begin			
At NE Cor W 1/2 - NE 1/4 - NW 1/4 Sec. 32			





HODGES LANDS  
STADIA SURVEY  
PARCEL N° 26 (Cont'd)

1/23/52

8.

31°05' LT 121°31' LT  
311. @ 2°35' = 310  
- 51°33' LT 141°59' LT  
278. @ 3°00' = 272  
- 72°10' LT 162°36' LT  
302. @ 2°50' = 303  
- 84°50' LT 180°16' LT

Slope  
Rolling  
5% - 6%  
Down at  
RT & to Cont

99.5 Contour 342 @ 2°30' = 342  
\* 90°26' LT  
\* 89°34'

N 89°45' E

To NW Cor  
W 1/2 - NE 1/4 - NW 1/4  
SEC. 32.

586 @ 3°50' = 583.

5000'

To 395 Contour 229 @ 5°22' = 227

\* 97°37' LT

463 @ 1°05' = 463 = 421.1

N 82°30' W

To Spike

\* 90°31' LT

200' To approx BC Curve  
to RT.

To 395 Cont. 438. @ 3°35' = 436

\* 38°46' LT

410 @ 3°45' = 408.

\* 53°05' LT

391 @ 3°55' = 389.

\* 69°35' LT

412 @ 3°45' = 410.

\* 89°30' LT

447 @ 3°30' = 445.

\* 102°40' LT

497 @ 3°45' = 495.

To 395 Cont. \* 117°50' LT

To AT PT. 12' Nor & Rd

800' @ 0° = 800 = 428.9  
N 81°30' W

600' @ 0° = 600 = 422.00  
N 81°30' W

\* 82°58' LT

To AT PT. 13' Nor & Rd

EXT. & INT. & IN TRAVERSE

88°30' LT 91°30'

82°58' LT 97°02'

0°31' LT 179°29'

97°37' LT 82°25'

90°26' LT 89°34'

(5-2 x 180°)

579°58' = 540°

Traverse .02' Short

Spike 12' So of Rd on Intersect with W. Prop. line  
18' 50" of this point - 5.8 = Elev. 415.3  
22' Nor " " + 6.0 = " 427.7  
20% for 250'  
then 11% slope

These shots void due to 1° error  
in levels and Contour revised.

Nail 12' Nor & Rd AT CURV A-4.60

Nail 12' Nor & Rd AT CURV A-4.65

Nail 13' Nor & Rd AT CURV A-4.77



HODGES LANDS  
STADIA SURVEY Cont'd  
Parcel 26

1/24/50

9

0°00' LT. 90°26' LT  
689 @ 1°45' = 689  
1°50' LT. 92°16' LT  
612 @ 1°45' = 611  
6°44' LT. 96°37' LT  
490 @ 1°45' = 490  
43°24' LT. 103°52' LT  
375 Contour 404 @ 2°10' = 203

East 19' from fence Cor.



Sully Dam

Profile Oil Road  
0+00 = Axis Dam.

	+	H1	-	
B.M.	12.28	2098.87		2086.59
0+00			11.9	
1+00			8.2	
2+00			5.3	
P.I.			4.8	
2+70.62				
3+00			4.4	
T.P.	12.84	2111.43	0.28	2098.59
4+00			10.4	
P.I.			3.3	
4+86.35				
5+00			2.6	
T.P.	12.68	212357	0.54	2110.89
6+00			7.6	
P.I.			3.5	
6+63.48				
7+00			2.3	
T.P.	12.37	2135.88	0.06	2123.51
8+00			8.1	
P.I.			0.5	
9+36.64				
10+00			0.9	
11+00			1.1	

KING

WILLIAMS X  
JACOBS †

KEMP

11-24-52

10.

COLD

TOP CONC. MON



## SUTH. DAM PROFILE OIL ROAD

KING  
WILLIAMS T  
JACOBS †  
KEMP

11-24-52

11.

COLD

		2135.88 HI		EL
T.P.	11.31	2146.74	0.45	2135.43
12+00			9.6	
P.I.				
12+18.47			9.1	
13+00			3.6	
14+00			1.7	
15+00			0.3	
T.P.	10.32	2156.74	0.32	2146.42
16+00			7.2	
17+00			5.1	
18+00			3.8	
T.P.	12.27	2168.99	0.02	2156.72
19+00			11.1	
20+00			4.5	
T.P.	4.70	2173.68	0.01	2168.98
21+00			3.3	
21+31.78			2.3	
22+00			4.5	
23+00			8.8	
T.P.	0.69	2162.20	12.17	2166.51
24+00			5.9	



## SUTH. DAM PROFILE OIL ROAD

	+	2162.20 HI	-	EL.
P.I.				
24+35.22			6.4	
26+00			6.8	
P.I.				
26+11.76			6.9	
T.P.	6.10	2162.11	6.19	2156.01
27+00			6.0	
28+00			7.0	
29+00			5.2	
P.I.				
29+52.15			4.6	
30+00			4.4	
31+00			4.2	
32+00			3.9	
33+00			3.1	
34+00			3.0	
T.P.	4.85	2164.30	2.66	2159.45
35+00			5.8	
36+00			5.1	
P.I.				
36+39.14			4.1	
37+00			5.8	
38+00			6.6	

KING  
WILLIAMS T  
JACOBS †  
KEN

11-24-52

12

COLD



## SOUTH DAM PROFILE OIL ROAD

KING  
WILLIAMS X  
JACOBS †  
KEMP

11-24-52

13.

COLD

	+	2164.30 HI	-	EL
P.I.				
38+58.55			7.1	
T.P.	9.15	2166.66	6.79	2157.51
39+00			8.6	
40+00			7.1	
41+00			6.1	
P.I.				
41+75.67			4.8	
42+00			5.0	
43+00			4.4	
T.P.	11.98	2178.64	0.00	2166.66
44+00			10.6	
45+00			2.9	
T.P.	12.36	2190.65	0.35	2178.29
P.I.				
45+79.93			9.2	
46+00			7.4	
T.P.	12.33	2202.83	0.15	2190.50
P.I.				
46+95.29			12.1	
48+00			3.7	
T.P.	12.62	2215.27	0.18	2202.65
P.I.				
48+45.16			12.1	



## SUTH. DAM PROFILE OIL ROAD

	+	.HI 2215.27	-	EL.
49+00			8.0	
T.P.	11.97	<del>2227.24</del>	0.00	2215.27
50+00			11.5	
51+00			3.8	
P.I.				
51+39.70			1.1	
T.P.	11.80	2238.98	0.06	2227.18
52+00			9.5	
53+00			5.5	
P.I.				
53+23.33			5.3	
54+00			6.0	
P.I.				
54+56.71			5.5	
55+00			3.6	
T.P.	12.34	2251.31	0.01	2238.97
56+00			10.3	
57+00			4.8	
58+00			2.4	
T.P.	12.42	2263.49	0.24	2251.07
P.I.				
59+38.07			6.0	
60+00			6.2	

KING  
WILLIAMS T  
JACOBS †  
KEMP

11-24-52

14.

COLD



## SOUTH DAM PROFILE OIL ROAD

KING  
WILLIAMS T  
JACOBS †  
KEMP

11-24-52

15.

COLD

	+	HI 2263.49	-	EL.
61+00				3.5
62+00				2.2
T.P.	9.71	2272.90	0.30	2263.19
63+00 P.I.				8.0
63+74.31				5.4
64+00				5.6
65+00				6.6
66+00 P.I.				4.8
66+73.98				1.5
T.P.	12.64	2285.53	0.01	2272.89
67+00				12.5
68+00				4.6
T.P.	12.54	2298.07	0.00	2285.53
68+77.45 P.I.				11.3
69+00				9.6
70+00				2.7
T.P.	12.41	2310.43	0.05	2298.02
71+00 P.I.				12.72
71+27.95				4.4



## SOUTH DAM PROFILE OIL ROAD

KING  
WILLIAMS T  
JACOBS †  
KEMP

71-24-52

COLD

16.

	+	<sup>H.I.</sup> 2310.43	-	EL.
T.P.	12.33	2322.64	0.12	2310.31
72+00			9.3	
73+00			4.9	
P.I.				
73+37.53			5.1	
74+00			3.6	
T.P.	12.38	2334.93	0.09	2322.55
75+00			11.6	
76+00			4.7	
T.P.	12.40	2347.29	0.04	2334.89
77+00			10.6	
78+00			1.7	
T.P.	11.72	2358.91	0.10	2347.19
P.I.				
78+54.09			9.4	
79+00			8.1	
80+00			1.0	
P.I.				
80+04.37			0.6	
T.P.	12.42	2371.16	0.17	2358.74
81+00			8.1	
82+00			3.9	



SOUTH DAM

PROFILE OIL ROAD

KING  
WILLIAMS T  
JACOBS P  
KEMP11-24-52  
COLD

17.

	+	H.I. 2371.16	-	EL
T.P.	12.30	2383.41	0.05	2371.11
P.I.				
83+25.50			7.5	
84+00			1.9	
T.P.	11.57	2394.91	0.07	2383.34
P.I.				
84+52.69			9.7	
85+00			7.0	
86+00			1.8	
P.I.				
86+30.12			1.0	
T.P.	12.74	2407.60	0.05	2394.86
88+00			0.7	
T.P.	11.70	2419.23	0.07	2407.53
89+00			5.4	
T.P.	12.04	2431.27	0.00	2419.23
90+00			9.6	
P.I.				
90+97.92			1.1	
T.P.	12.20	2443.46	0.01	2431.26
92+00			7.1	
93+00			0.3	
T.P.	12.42	2455.71	0.17	2443.29



## SOUTH DAM PROFILE OIL ROAD

KING  
WILLIAMS T  
JACOBS †  
KEMP

11-24-52

18.

COLD

	+	HI 2455.71	-	EL
P.I.				
93+96.68			5.5	
T.P.	11.95	2467.56	0.10	2455.61
95+00			10.7	
P.I.				
95+67.34			6.5	
96+00			3.8	
T.P.	9.94	2477.42	0.08	2467.48
97+05.04			6.1	
98+00			5.0	
99+00			4.2	
100+00			0.2	
T.P.	9.52	2486.80	0.14	2477.28
P.I.				
100+25.39			8.7	
101+00			9.8	
P.I.				
101+54.02			10.8	
103+00			7.5	
104+00			3.4	
105+00			2.5	
106+00			1.8	
T.P.	12.12	2497.44	1.48	2485.42



SOUTH DAM

PROFILE OIL ROAD

KING  
WILLIAMS T  
JACOBS †  
KEMP

11-24-52

19.

COLD

	+	HI	-	EL
		2497.44		
107+00			12.0	
108+00			10.3	
109+00			6.3	
110+00			2.3	
111+00			2.2	
112+00			0.6	
T.B.M.				
112+04.44			0.52	2496.92
T.B.M.	2.10	2499.02		2496.92
T.P.	0.21	2486.32	12.91	2486.11
T.P.	0.86	2474.98	12.20	2474.12
T.P.	0.56	2462.74	12.80	2462.18
T.P.	0.68	2451.80	11.62	2451.12
T.P.	0.67	2439.77	12.70	2439.10
T.P.	0.56	2427.82	12.51	2427.26
T.P.	0.35	2416.26	11.91	2415.91
T.P.	0.38	2404.05	12.59	2403.67
T.P.	0.60	2391.88	12.77	2391.28
T.P.	0.32	2379.28	12.92	2378.96
T.P.	0.17	2366.86	12.59	2366.69

GIN IN OIL ROAD END PROFILE



SOUTH DAM

PROFILE OIL ROAD

KING  
WILLIAMS T  
JACOBS  
KEMP ♀11-26-52  
WARM

20.

	+	H1 2346.86	-	EL
10 T.P	0.25	2354.33	12.78	2354.08
11 T.P CHECK TO	3.63	2345.26	12.70	2341.63
10 B.M			4.79	2340.47 2340.67

U.S.G.S. S.W. COR. COX WALL, BY OLD SCHOOL

ONE HALF MILE NORTH HIGHWAY

112

T.E

112

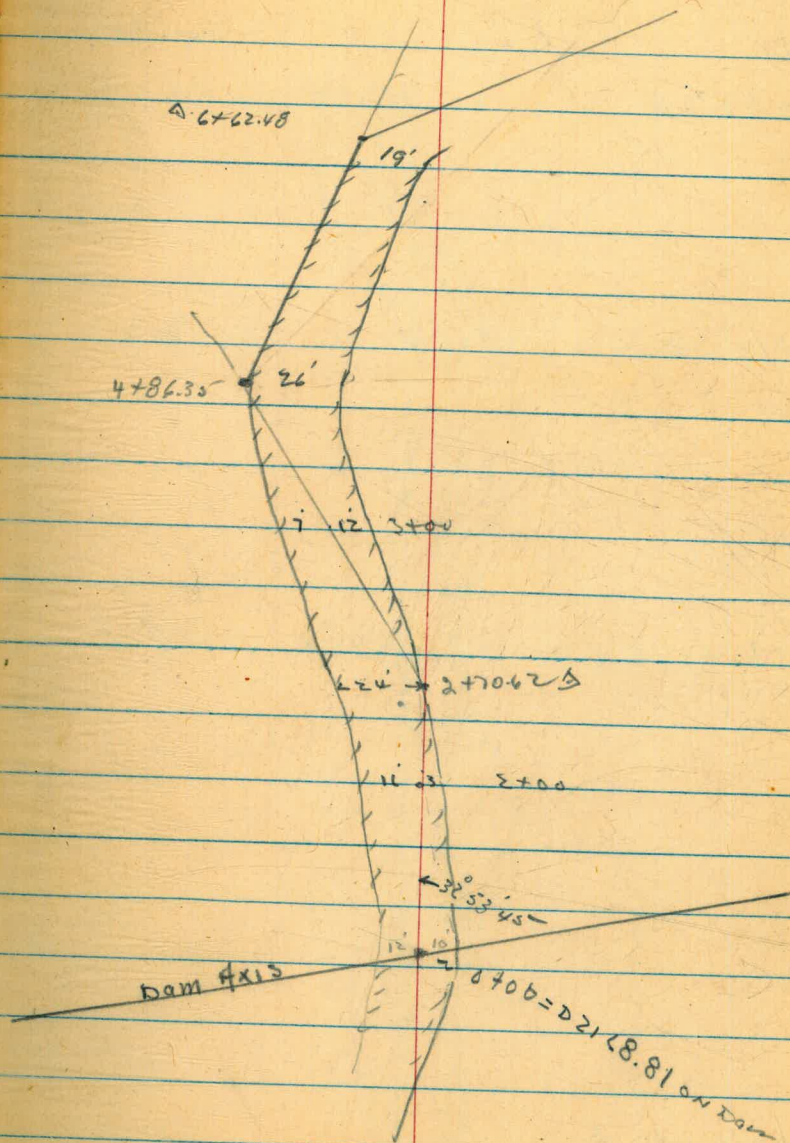


Suth. Dam Road Alignment

11-20-52  
King

21

Sta.	Alt.	A R I	Bearing
6+62.48 Δ		41° 27' R	S 73 W
4+86.35 Δ		43° 41' 30" R	S 32 W
2+70.62 Δ	68° 42' 15"		S 11 E
0+00 Δ	32° 53' 45"		S 25 W





Suth. Dam Road

11-21-52  
King

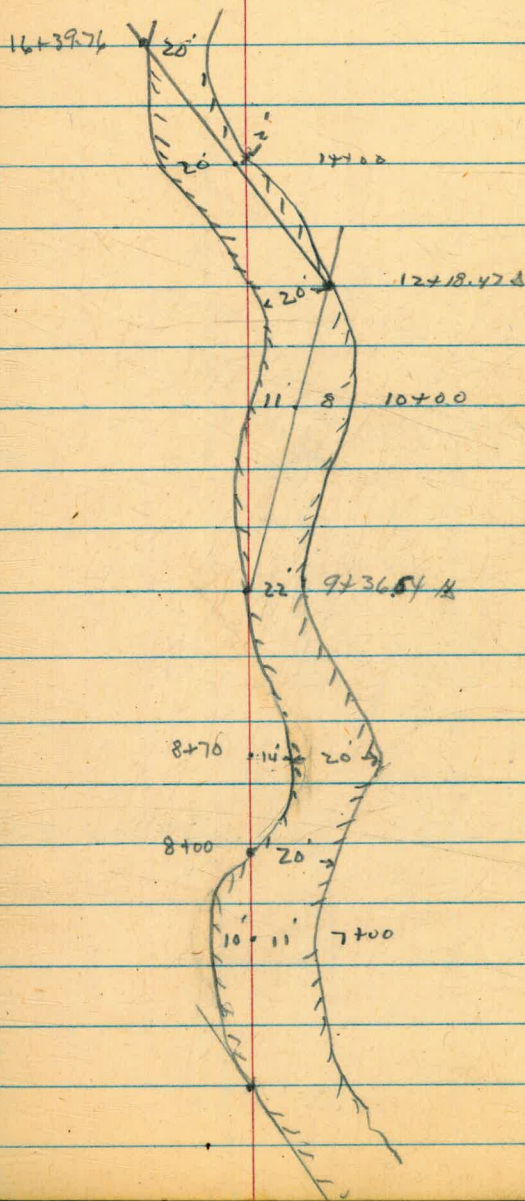
22

Sta.	Δ L.	Δ R.	Bear
16+39.76 Δ		15°28'15" R	S 43°30' W

12+18.47 Δ	50°44'45" R		S 26°30' W
------------	-------------	--	------------

9+36.64 Δ	4°11' R		S 78° W
-----------	---------	--	---------

2+62.48 Δ





South Dam Road

11-21-52  
King

23.

Sta

A 11.

A 14.

Bear

26+11.76 Δ

28°06'45" N

S 79°30' E

24+35.22 Δ

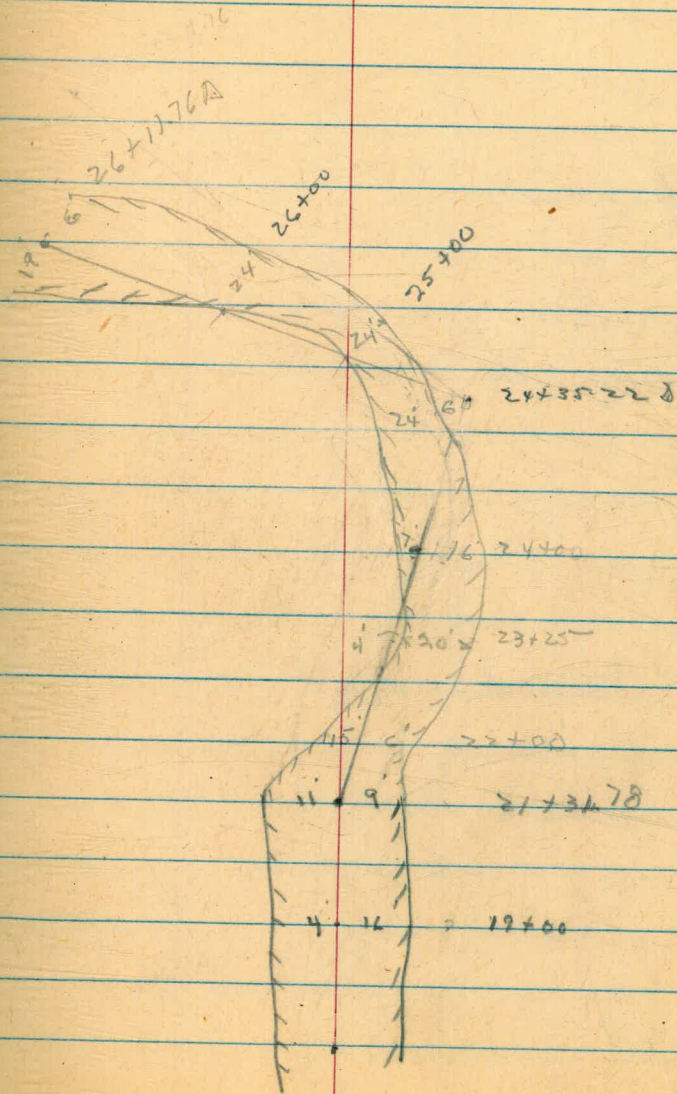
108°46' N

S 50° E

21+31.78 Δ

61°30' N

S 49°30' W





South Dam Road

11-21-52  
KING

24

Sta.

A.L. A.R. M. B.

38+58.55

61°49'45"

S 65° E

36+39.14

50°30' R

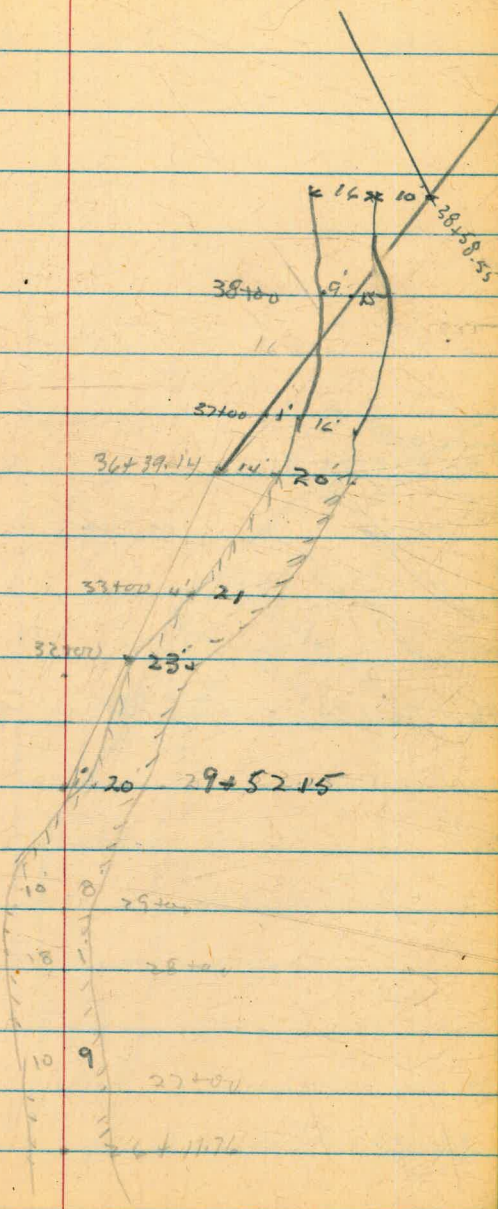
S 43° E

29+52.15

25°37'15" R

S 53°30' E

24+11.76





Suth. Dam Road

11-24-52  
K. King

25.

Sta.

A 24

A 24'

Bear:

45+77.93 L

41°49'30" R

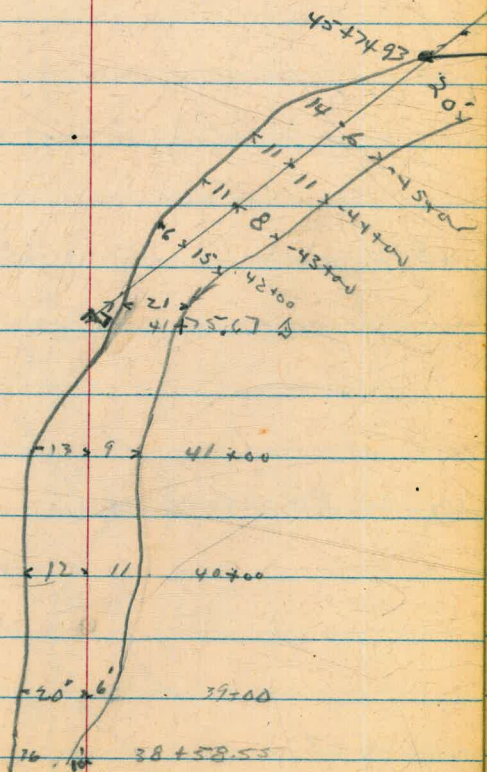
549 W

41+76.67 A

72°01' R

56° W

38+58.55





Suth Dam Road

Alt. ART. Bear

51+39.70

45°44'15" R

559°30' W

48+45.14

34°39' R

512°30' W

46+95.29

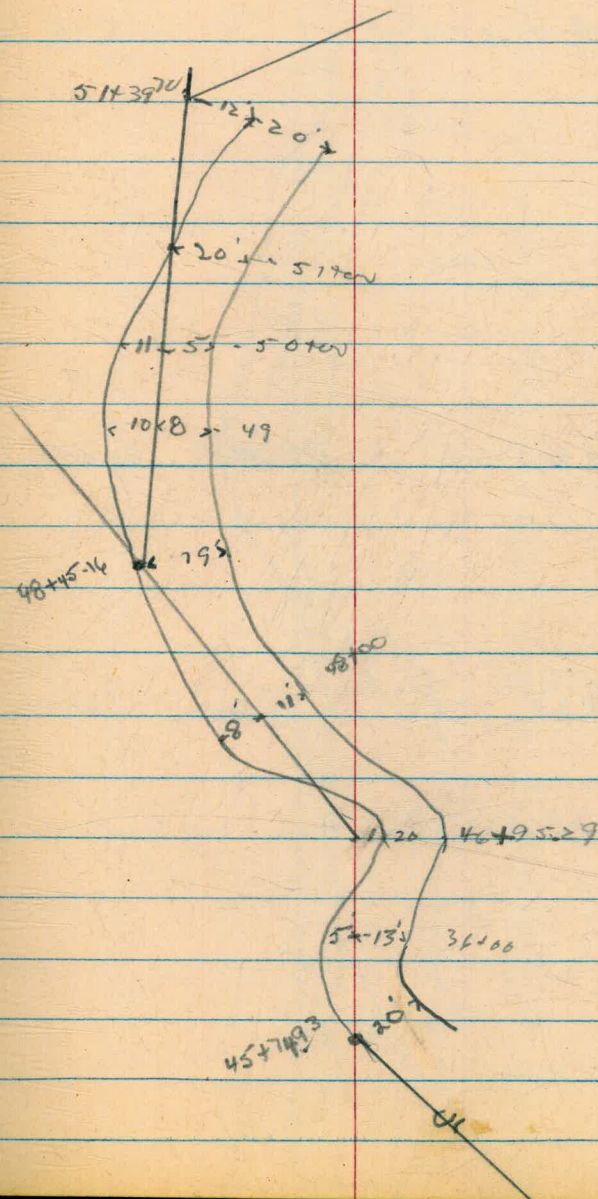
70°18'30" L

S 21° E

45+74.93

11-24-52  
KING

24





Syth Dam Road

11-24-52  
KING

27

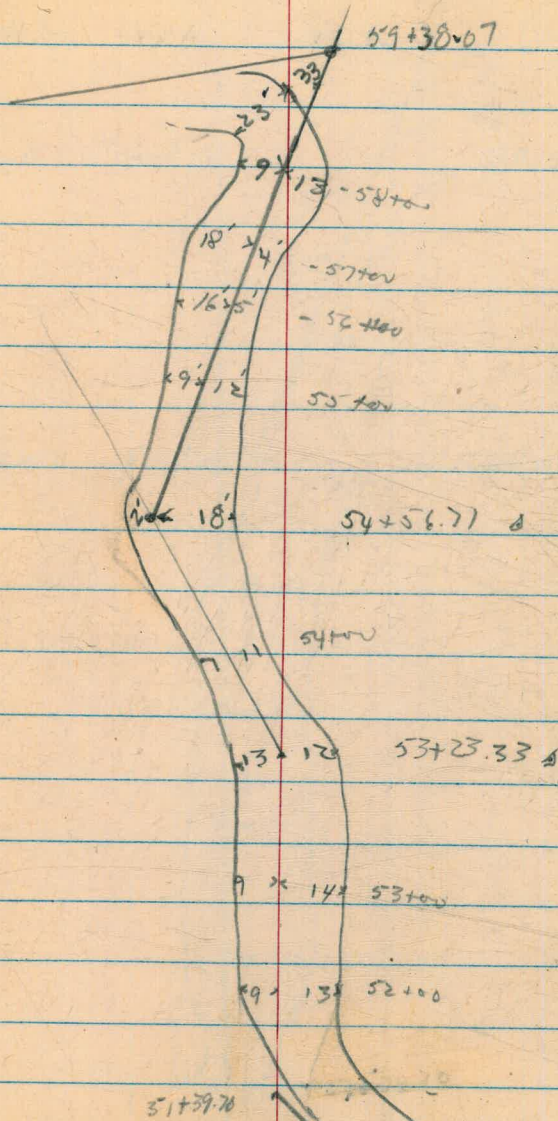
Δ 24 -	Δ P4 -	Bear
59+38.07 Δ	113° 15' 15"	S 70° E

54+56.71 Δ	20° 07' 30"	S 42° W
------------	-------------	---------

53+23.33 Δ	85° 47' 45"	S 23° W
------------	-------------	---------

Note: See Page 36 For ties

51+39.70 Δ





South Dam Road

11-25-52  
KING

28

Sta.      Δ Lt.      Δ Rt.      M. B. ...

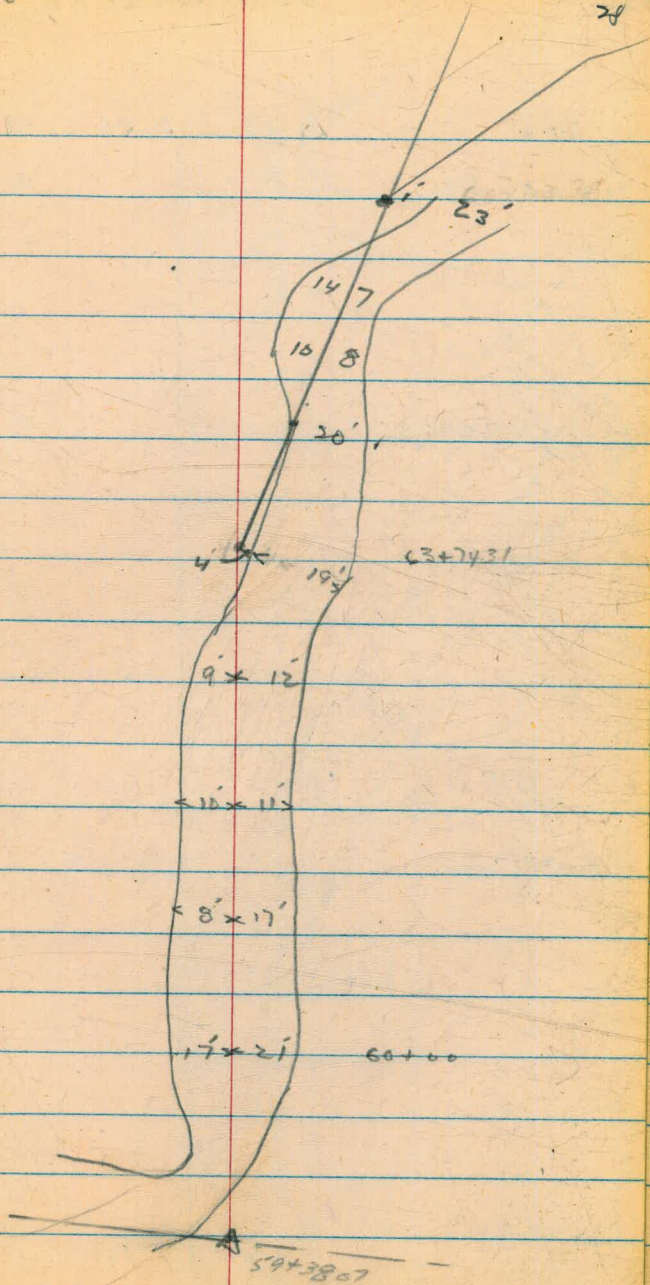
66+73.98

55° 24' 15"      S 103° 30' W

63+74.31

25° 46' R      S 44° E

59+38.07



63+74.31

60+00

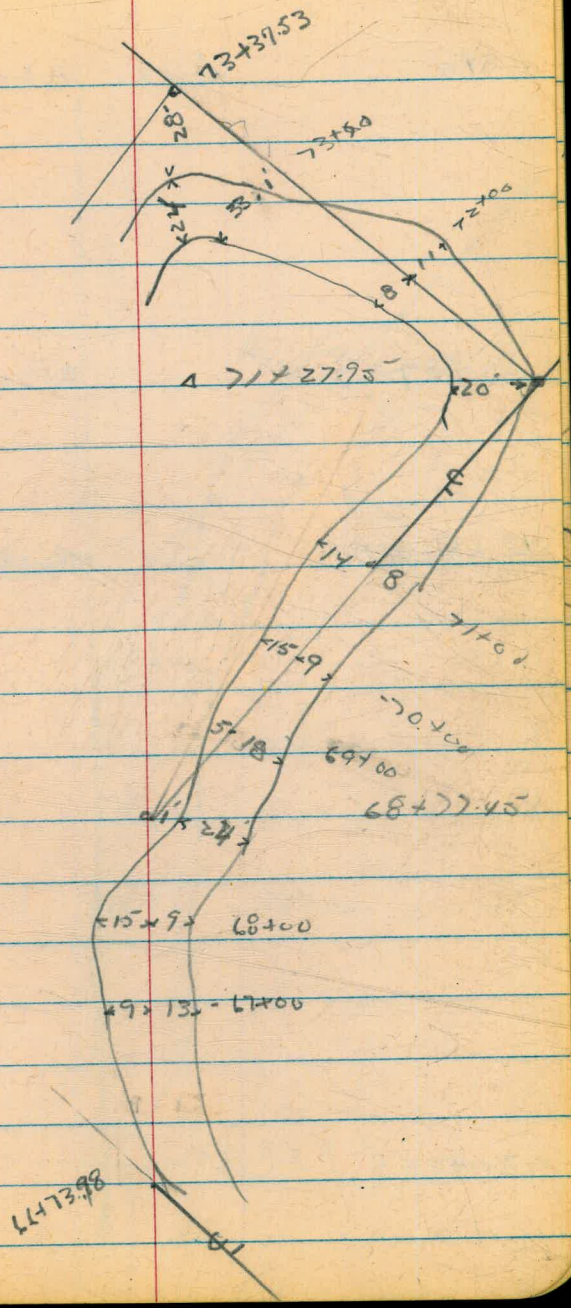
59+38.07



Suta Dam Rd.

Sta.	Δ LY	Δ RX	M. Bear
73+37.53	$114^{\circ}16'15''$		$N 67^{\circ}30'' E$
71+27.95 Δ	$40^{\circ}55'15''$		$S 1^{\circ}32'' W$
68+77.45		$31^{\circ}29'15'' R$	$S 41^{\circ} W$
66+73.98			

11-25-52  
RING





Suth Dam Road

11-26-52  
KING

21

Sta.

A 12 - A 17 M. Bear.

7

80+04.37

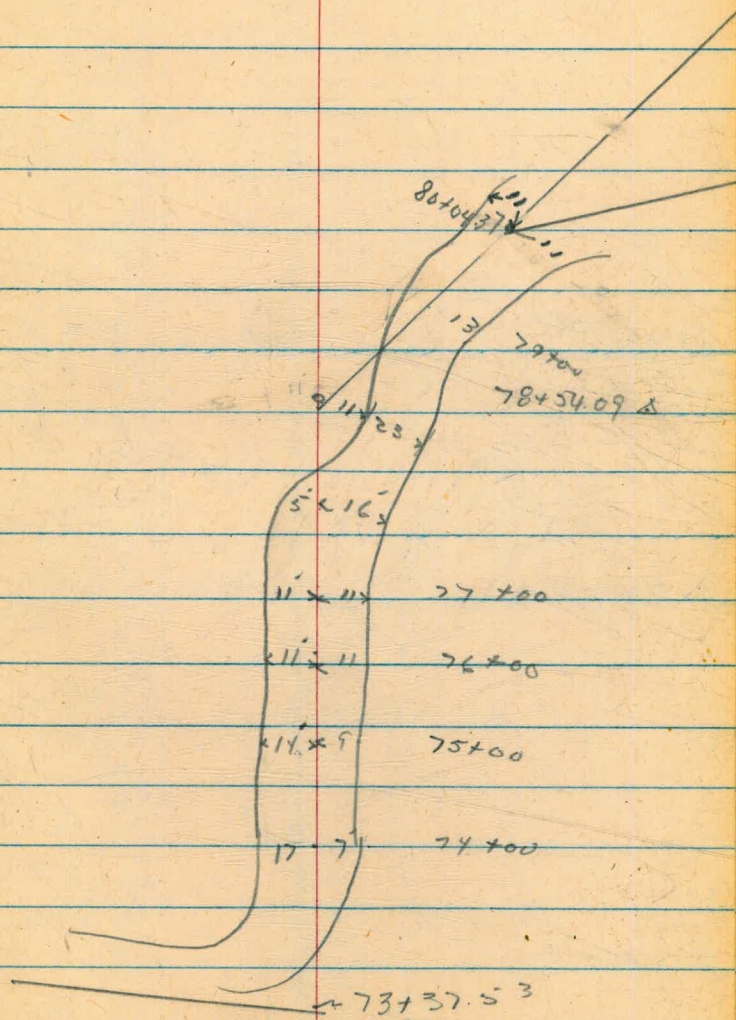
21° 21' 19" S 30° 30' E

78+54.07

57° 44' 30" S 57° 0' E

6

73+37.53

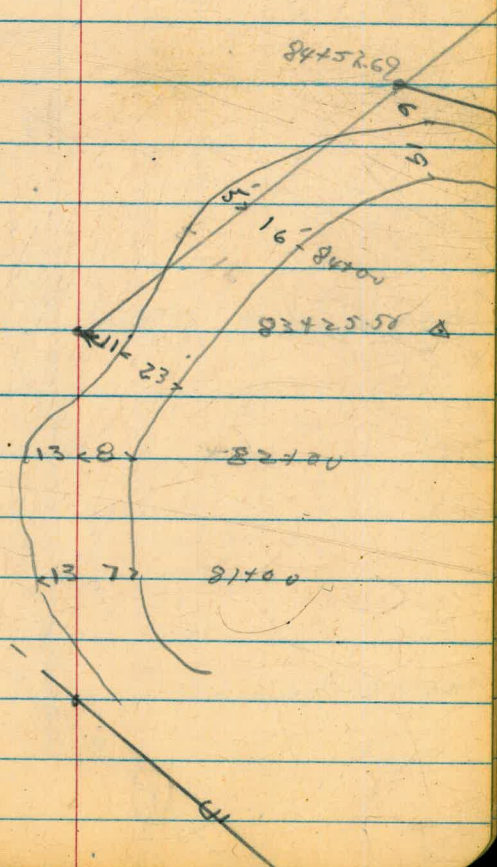




Suth Dam Road

11-26-52  
KING

Sta.	Lt. Δ	Rt. Δ	Bear.
84+52.69		49° 12' R	5° 76' W.
83+25.50 Δ		59° 02' 15"	528° 32' W
80+04.37 Δ			





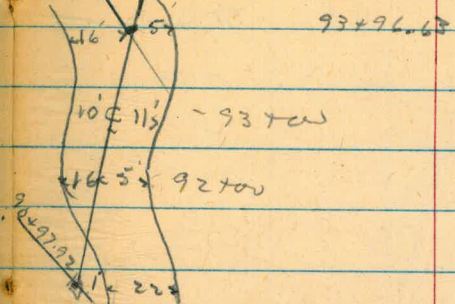
Suth. Dam Road

11-26-52 Cold King

31

A 24- A R# Bearings  
42° 13' 11" S 0° W

93 x 96.63



96 x 97.92 A 30° 59' 15" S 54° W

86 x 70.12 A 65° 18' 07" S 51° 30' W

84 x 52.69 X

84 x 52.69



S4th. Dam Road

11-26-52

32

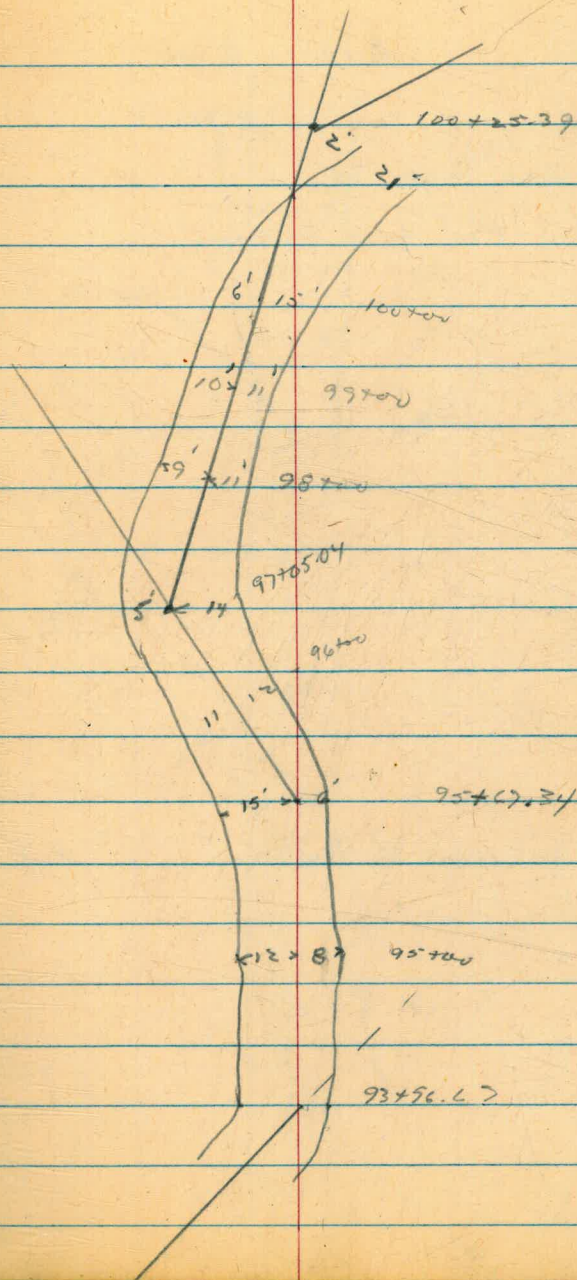
Sta.	Dist.	Angle	Bearing
100+25.39		44° 11' 30"	S 38° W

97+05.04 A		35° 03' 30"	SSE
------------	--	-------------	-----

95+17.34 A		40° 58' 30"	S 41° 30' E
------------	--	-------------	-------------

Note: Ties to 1/4 cor. Sec. 28-29

93+96.63 B





South Dam Road

11-26-52  
KWS

33

Sta.

A L X

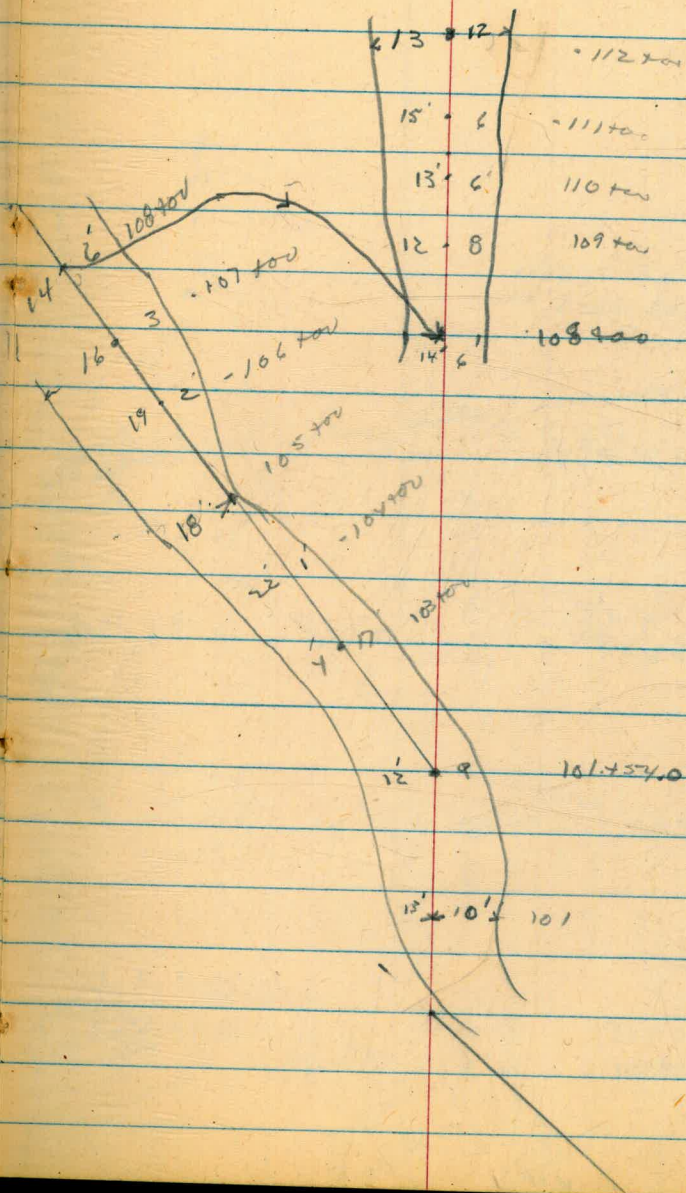
A R Y

11240444 A

15°21'15" R

Note 'See Page 35'

For ties back to Dam.



101454.02

3° 16' 45" W

S 2° W

10042539 A

S 38° W

101454.02

101454.01



Suth. Dam Road

11-26-52  
KMG

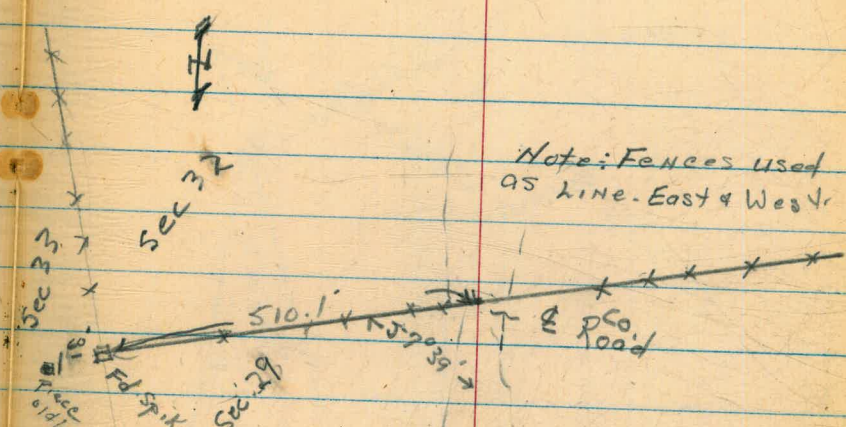
34

Sta.

A Lt. A Ry. M. Bearings

122+42.74 End

To  
N 89° E



Note: Fences used  
as line. East & West

119+50.60

40° 41' R S 34° W

40° 41' R  
119+50.60 Δ

117+02.90

24° 29' L

56° 30' E

24° 29' L  
117+02.90 Δ

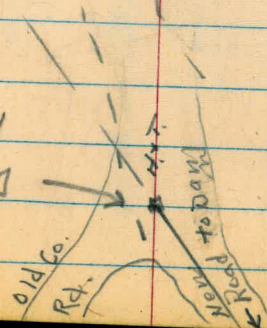
112+04.44

15° 21' 15" R

17° 13'  
S 42° W

Note: Actual  
End of Survey

Top of Hill  
112+04.44 Δ

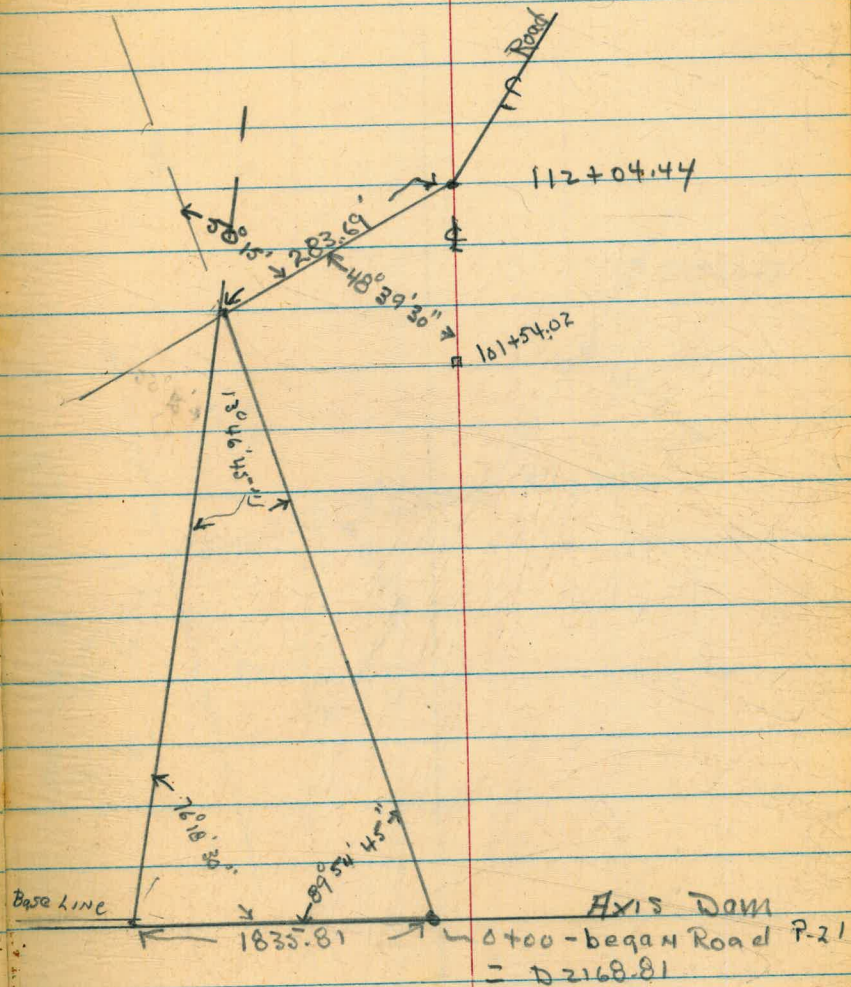




Suth Dam Road  
Ties to Dam

11-26-52  
King

35



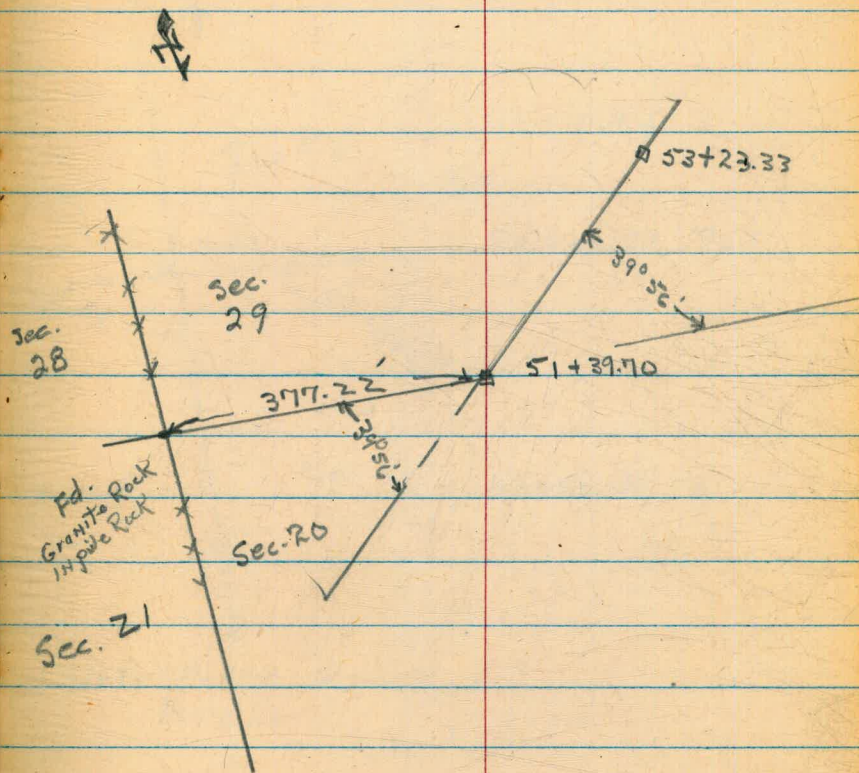


Suth. Dam Road  
Ties to Sec. Corner

11-26-52

King

36

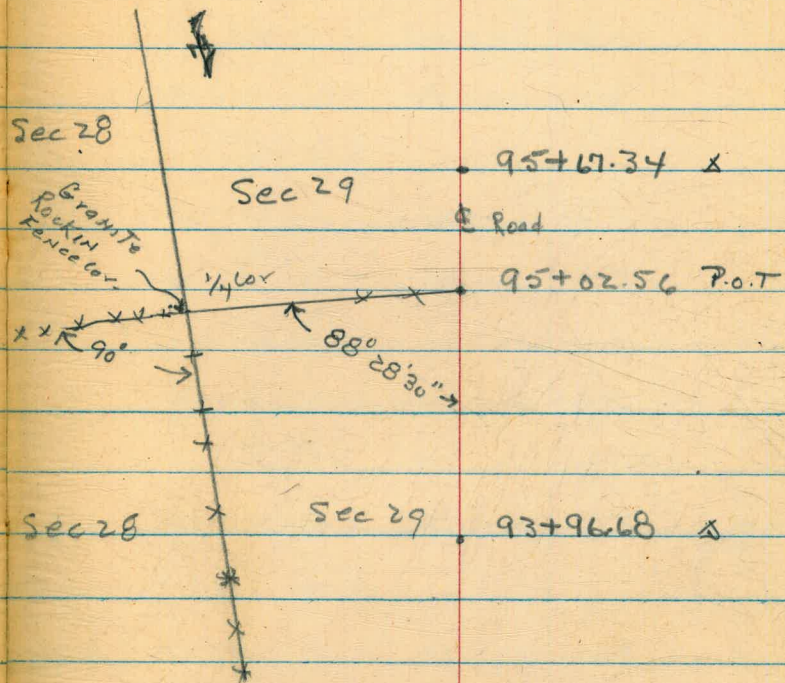




Suth. Dam Road  
Ties.

11-26-52  
KING

37



Sec 28 \* Sec 29 93+96.68 X

Note: Fences Used  
For line



HODGES RES.  
395' ± 400' CONTOUR FLAGGED  
ON CLOVERDALE RANCH

JUNE 27 1953  
MARTELL &  
DEATY T  
HILL

38

	+BS.	HI.	-F.S.	Elev.
BM	12.20	381.66		369.46
IP	12.00	393.64	0.02	381.64
IP	10.80	403.20	1.24	392.40
			8.2	395'
			3.2	400'
IP	10.45	407.24	4.41	398.79
			12.32	400'
				395'
IP	6.80	408.54	7.50	401.74
			8.54	400'
			13.54	395'
IP	2.51	405.30	5.75	402.79
			10.30	395'
			5.30	400'
IP	5.28	403.84	6.74	398.56
			3.84	400'
			8.84	395'
IP	2.19	403.62	2.41	401.43
			3.62	400'
			8.62	395'
IP	2.30	402.12	3.80	399.82
			2.12	400'
			7.12	395'
IP	2.84	403.89	1.07	401.05
			3.89	400'
			8.89	395'
IP	0.42	403.50	0.81	403.08
			3.50	400'
			8.50	395'
IP	2.98	401.65	4.83	398.67

USCGS BM Y-307 1935 (30079.6)

Top of pressure tank near 2-FAN PALMS SE End of Vally

rock

Top 6x6 wood Fence post Fly 600' large Barn

Top steel fence post NEly of large barn

Nail in Tallest, 2-FAN PALMS.



HODGES RES.  
 (Cont'd.)  
 395' & 400' CONTOURS

6/27/53

39

		401.65	165	400	
BM			6.65	395	
TP	TP	7.73	401.38	5.00	396.65
TP			4.38	400	
TP			9.38	395	
TP		6.56	401.61	6.33	398.05
TP			4.61	400	
TP			9.61	395	
TP	TP	0.99	392.36	13.24	391.37
TP		1.30	380.77	12.89	379.47
TP	TP	1.10	370.36	11.49	369.26
TP		8.72	370.57	8.49	361.87
TP	OK 004 BM		1.09	369.50 = 369.46	

Top guard post







HODGES RES.  
LEVELS FOR 395 CONTOUR  
THRU TIMMONS & PUGMIRE PROPERTIES  
SUNSET ROAD & MARY LANE

April 27 1954.  
SHOREY  
ALEXANDER

41.

BM	2.78	364.28		354.50
TP	12.56	370.11	6.73	357.55
TP	11.85	371.67	10.29	359.82
TP	12.85	383.56	0.26	370.71
TP	0.11	380.01	5.66	379.90
TP	11.29	391.04	0.26	379.75
TBM	13.18	399.52	4.70	386.34
TP	5.16	403.94	0.74	398.78
TBM	2.18	406.33	4.79	399.15
TBM	2.43	404.77	3.99	402.34
TBM	0.89	392.80	12.86	391.91
TP	0.52	380.28	13.04	379.76
TP	2.50	382.41	0.37	379.91
TP	0.25	375.13	7.53	374.88
TP	7.27	370.18	12.22	362.91
TBM	6.23	373.37	3.04	367.14
TP	3.43	364.68	18.12	361.25
CK. To B.M.			10.14	354.54 = 354.50

Chris X on curb Hdwall SW. Cor Hwy 395  
& Felicite County Park Rd

I.P. S.W. Cor. Prop. (1/2" I.P.M.)

I.P. S.E. Cor. Prop. (1/2" I.P.M.)

I.P. N.E. Cor. Prop. (1/2" I.P.M.)

E.C. Pin on W. Side of Road (3/4")

S.W. Edge Top 5" O.D. Standpipe @ Reservoir

Description at top of page







SAN PASQUAL VALLEY  
 DIVERSION DITCH DETAILS  
 (E.S.P.M. W. CO. DIVERSION CANAL)  
 (F.B. 780 Div. No. 2, pp. 40.)

JULY 8, 1954  
 BETTY  
 SHOREY  
 ALEXANDER

43.

3+18<sup>60</sup> Wly edge 6" Conc Weir GATE  
 3+18<sup>10</sup> Fly edge 6" Conc Weir

$\Delta$  N 76° 30' W

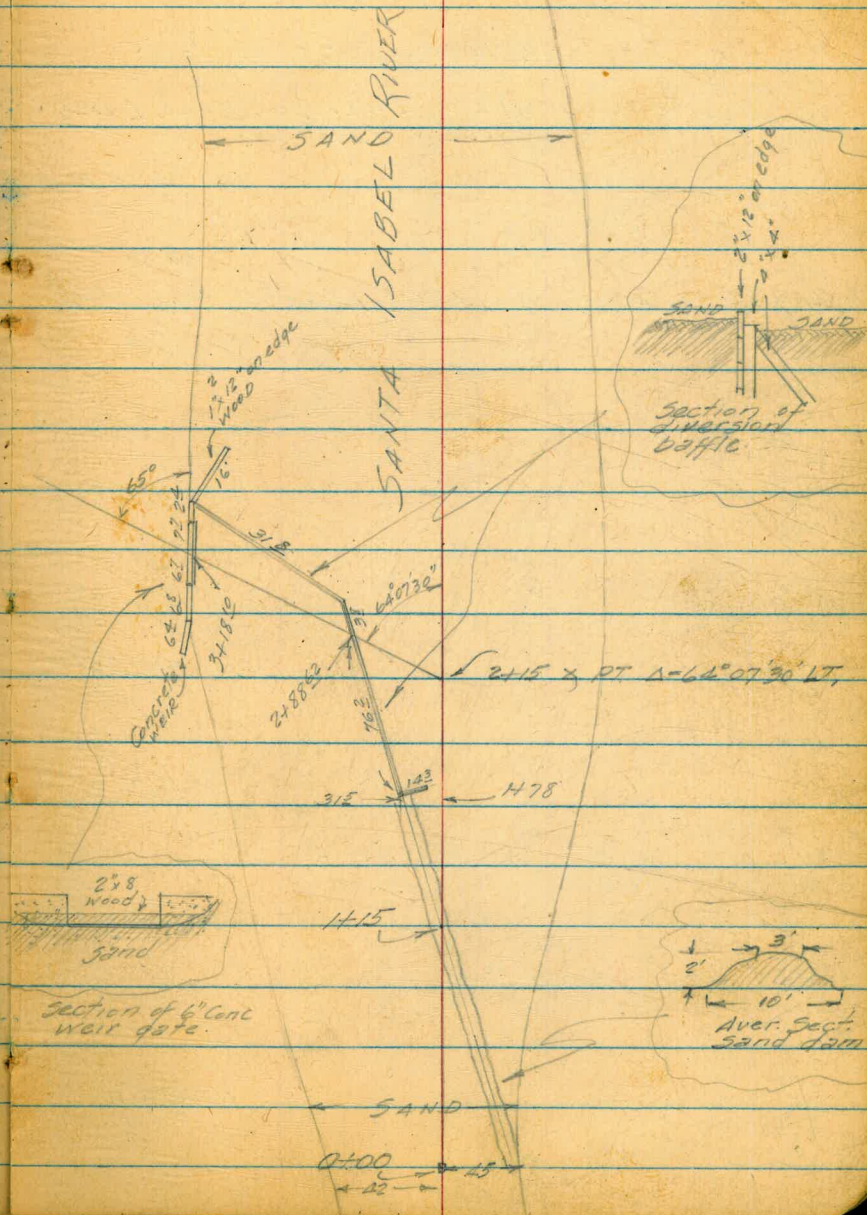
2+88<sup>62</sup> POT 2" WOOD DIVERSION BAFFLE

2+15 X PT  $\Delta = 64^{\circ} 07' 30''$  LT

1+15 POT @ sand dam

N 12° 15' W

0+00





7/8/52

24

SAN DASQUAL VALLEY  
Diver. Ditch.  
(Cont'd)

Continued to 52 This Book

9+41°  
9+33 20 } Wood Weir, Diver Box, Ditch Drop,  
or WOODEN Headgate.

N 72°00' W

8+73 \* PT  $\Delta = 4^{\circ}57' \text{ LT.}$  For Drain Ditch  
w. H.

P. o. T. Ahead w. H.

See pg. 52

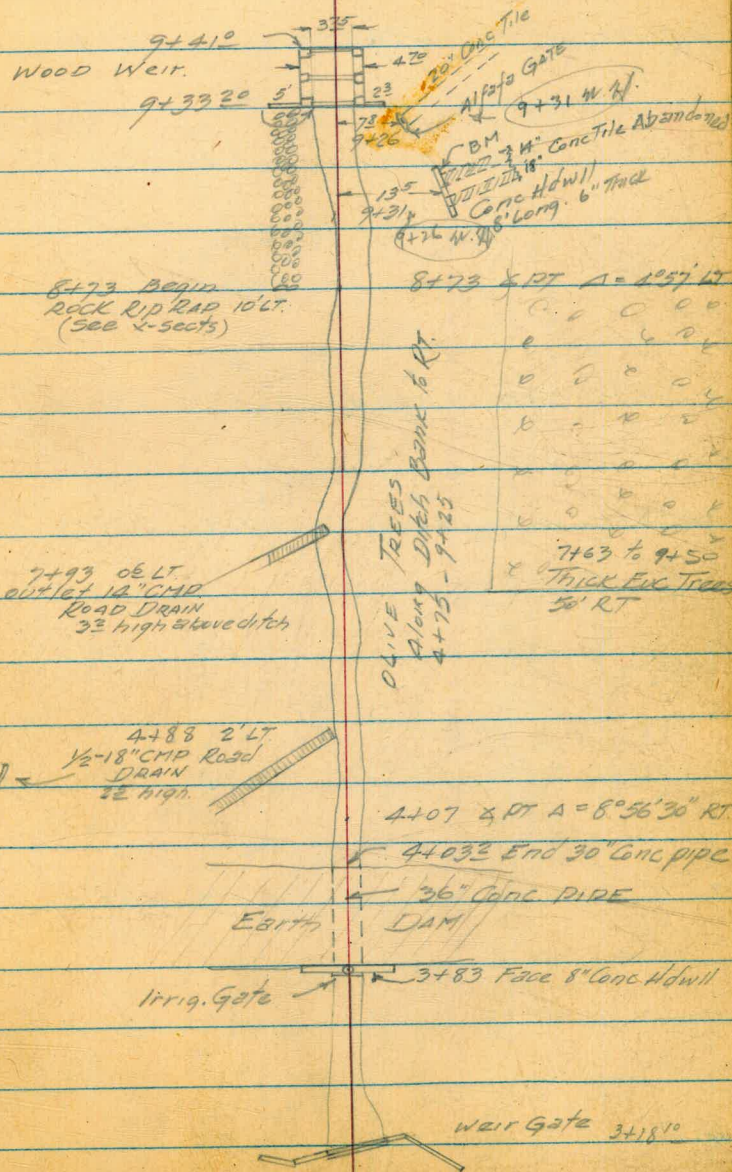
6+10 POT

N 67°30' W

4+07 \* PT  $\Delta = 8^{\circ}56'30" \text{ RT}$

3+83 POT Face Conc Hdwall

N 76°30' W





SAN PASQUAL VALLEY  
 Diver. Ditch.  
 & PROFILE & X-SECTIONS  
 (FOR LATER PROFILE & X-SECT see FB 752-97)

7/8/52

45

Notes reduced by C. W. H. Beck  
 July 13, 1954

BM	2.10	455.10 ✓	453.00
9+410	6.41	449.69 ✓	
9+334	6.10	449.0 ✓	
9+332	4.34	450.76 ✓	crest?
9+332	4.7	450.4 ✓	
9+31	4.5	450.6 ✓	
9+26	4.4	450.7 ✓	
9+11	4.7	450.4 ✓	
9+00	4.8	450.3 ✓	
8+73	4.8	450.3 ✓	

CHIS. □ on 6" CONC. Hd wall 135 RT. 9+30 (See FB 780 Diver. Ditch No. 2)

LEFT (Sly)	452.84	449.78	448.80	(N.Y.) RIGHT
	2.46	6.25	6.30	453.77
	1.87	1.87	1.87	2.45
				1.87
	452.84	449.98	449.00	452.84
	2.24	6.12	6.10	2.26
	1.87	1.87	1.87	1.87
	452.85	450.97	450.77	452.83
	2.25	4.33	4.33	2.27
	1.87	1.87	1.87	1.87
	455.1	451.7	451.1	452.3
	0.0	2.4	4.0	2.8
	6	2	8	10
			450.7	449.8
			4.4	5.30
			6	7.8
				20" Alfalfa Native
# 18" x 14" abandoned tile lines (dug out)	456.8	453.8	450.9	451.7
	+1.7	1.3	4.2	449.1
18" Top of Riprap	449.55	450.0	450.5	453.98
14" Top of Riprap	449.70	450.0	450.5	212 Top
	457.3	454.3	450.5	195 H/Wall
	+2.2	0.8	4.6	195
	10	7	3	348
				Ditch
	456.8	453.8	450.3	450.5
	+1.7	1.3	4.8	453.10
	9	7	3	4.6
				20
				6
	454.1	452.4	450.4	450.4
	10	2.7	2.7	452.2
	7	4.5	4.5	453.10
				4.7
				2.9
				2.0
				7
	454.1	452.4	450.4	450.4
	10	2.7	2.7	451.9
	7	4.5	4.5	452.7
				4.7
				2.2
				2.4
				6

See page 48



SAN DASQUAL VALLEY  
Diver. Ditch.  
(Cont'd.)

7/8/52

46

8+00	455.10 ✓	4.8	450.3 ✓	
7+00		5.1	450.0 ✓	
TP (cont)	5.73	455.88 ✓	4.95	450.15 ✓
6+37		5.8	450.1 ✓	
6+31		5.3	450.6 ✓	
6+00		5.0	450.9 ✓	
5+00		5.1	450.8 ✓	
4+35		5.2	450.7 ✓	
4+03 <sup>2</sup>		5.1	450.8 ✓	
4+03 <sup>20</sup>	Outlet End 36" Cor. 50 21/2	6.28	<del>451.62</del>	449.40 W.H.
TP		7.31	459.99 ✓	3.20
3+96		1.2	458.8 ✓	

LEFT (3/4)	455.11	452.8	451.7	450.5	450.3	451.7	452.8	21.94	7 (NW)
	0.0 7	0.3 3	0.4 1.0	0.6 0.5	0.8 5	0.4 6	0.3 7	1.7	453.4
	455.11	451.5	450.2		450.2	452.5	453.6	454.6	
	0.0 8	0.6 2	0.9 0.5		0.9 5	0.6 2	1.5 10	0.5 12	
	455.1	453.5	451.7		450.4	452.3	453.9	453.8	
	0.8 10	0.4 5	0.2 2		0.5 3	0.6 6	0.2 7	0.1 10	
	455.1	451.8	450.7		450.5	453.4	453.5		
	0.0 8	0.1 2	0.2 0.5		0.4 5	0.5 6	0.4 10		
	455.8	451.9	451.0		450.8	452.1	453.5		
	0.1 10	0.2 2	0.1 1		0.1 4	0.3 7	0.4 10		
	455.8	453.7	450.9		450.9	452.0	453.4	453.6	
	0.1 10	0.2 6	0.0 4		0.0 15	0.3 3	0.5 8	0.3 10	
	455.7	454.0	451.0		450.8	453.5	454.9		
	0.2 7	0.2 3	0.1 1		0.1 3	0.5 5	0.0 8		
	455.4	451.1			451.1	453.4	454.5		
	0.5 7	0.1 2			0.1 2	0.5 5	0.4 8		
	459.6				459.1				
	0.4 10				0.9 10				



SAN PASQUAL VALLEY  
Diver. Ditch.  
(Cont'd)

7/8/52

47

459.99 ✓  
3+83 Top Conc Hdwall 3.81 454.18 ✓

3+83 { Inlet end } 9.5 450.4 ✓  
5 w/4

3+83 { 36" Conc pipe } 10.11 449.88 ✓

3+90 9.0 451.0 ✓

3+18<sup>60</sup> 6" Conc Weir 9.05 450.96 ✓

3+18<sup>10</sup> Top 2x8 Weir Board 8.52 451.47 ✓

3+18 8.9 451.1 ✓

3+00 8.7 451.8 ✓  
3 w/4

SET TOM 3.24 455.59 ✓ 7.64 452.35 ✓

2 3+88<sup>62</sup> on diver 3.11 452.48 ✓

2+15 2 RT End Tang 4.9 450.7 ✓

2+15 2 RT To Back Tang

1+10 ? 4.4 451.2 ✓

LEFT Sly

456.2

456.2

Right (Wly)

382  
3

350  
5

456.6  
3.4 39 51 9.5  
10 7 5 3

450.8  
22 43 3.2  
12 5 10

455.7  
22 87  
7 3

451.3  
27 47  
2 15

452.22 452.36 451.05  
7.67 7.63 8.94  
13.5 6.7 6.7

451.06 451.96 451.89  
8.93 8.03 8.10  
7.7 7.7 10

II  
To Weir

452.7 451.2  
7.3 8.8  
16 13

451.2 451.9 451.9 449.4 453.7  
8.8 8.1 8.1 10.6 6.30  
8 9 10 10.1 10.1

453.2 452.8 451.3  
6.8 7.2 8.7  
25 23 20

451.4 451.8 452.06 449.8 451.4  
8.6 8.2 7.53 10.2 8.6  
3 2 4 2 9

Top Conc Weir  
Sely. 3+18

454.6 453.6 451.2 451.9 450.7 450.6 450.7  
1.0 2.0 4.4 3.7 4.9 5.0 4.9  
2.0 3.5 3.0 2.2 2.2 1.9 2.0

449.8 449.1  
5.8 6.5  
5.0 10.0

454.7 453.1 451.1 451.8 451.95 450.6  
1.3 2.5 4.5 3.8 3.6 5.0  
9.5 9.0 8.6 5.2 5.4 5.4 5

451.1 452.3 456.6 RT  
4.5 3.3 4.10 (ELY)  
6.0 6.3 7.5



SAN PASQUAL VALLEY  
DIVER. DITCH  
(Cont'd.)

455.59 ✓  
1+15 3.0 452.6 ✓  
1+20 4.5 451.1 ✓  
0+00 3.8 451.8 ✓  
CK TOM. 9.66 462.01 ✓ 3.24 452.35 ✓  
ID 2.57 457.65 ✓ 6.93 455.08 ✓  
CK BM (orig) 463 453.02 ✓ = 453.00

Check Crest Elev (See pg 45)

+ 2.23 455.23 453.00  
- 4.45 450.78  
- 2.37 452.86  
- 2.83 452.40

7/8/56

48

LT (w/ly) 454.0 452.3 451.2 451.5 452.4  
16 33 44 41 32  
65 62 60 .6 2  
453.6 451.3 451.2 451.6 451.7 454.7  
30 33 44 40 39 87  
5 37 58 68 80  
455.9 453.9 451.6  
+0.3 17 40  
55 45 42  
451.9 454.1 455.1  
37 15 65  
45 50 60

7/10/57 { Beaty Inst.  
Crocker Rod.

BM. Chis. □ on 6" Conc. Hdwall  
Crest Elev. wooden drop Sta 9+33.2  
Top of 2" x 6" cross brace  
" " structure



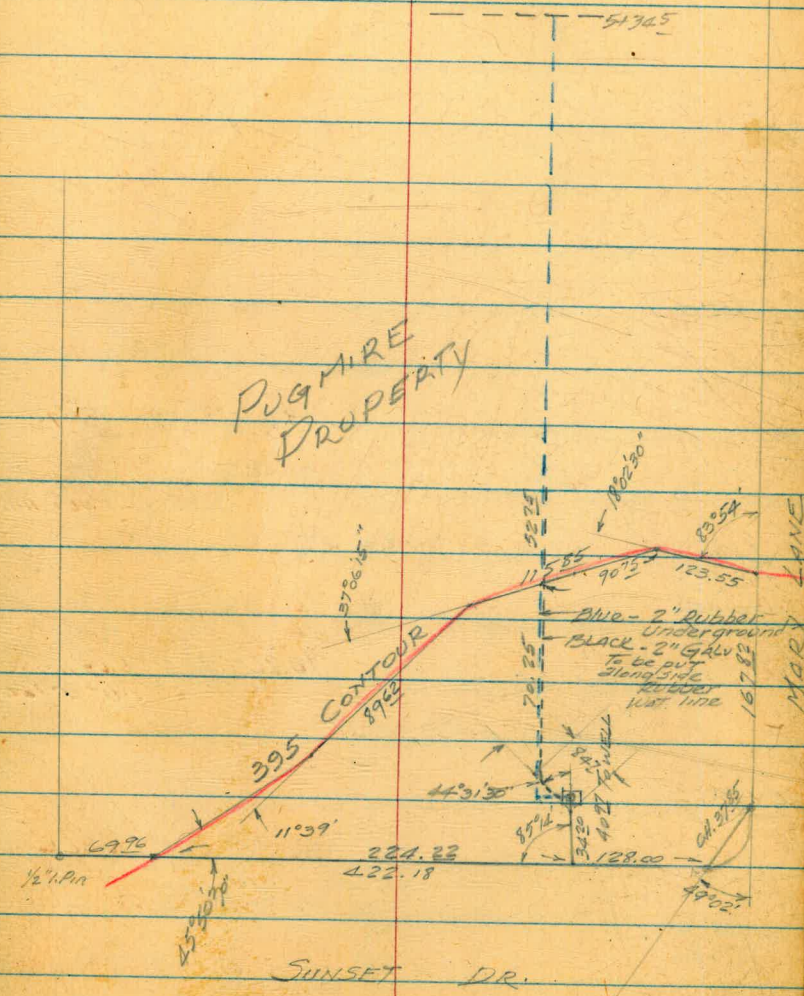
HODGES RESERVOIR  
 395 CONTOUR  
 THRU PUGMIRE PROPERTY  
 (SEE ALSO 1943.)

JULY 16, 1954  
 BEATTY  
 SHOREY  
 ALEXANDER  
 MARTELL

29.

1/2" I.R.

1-  
 14  
 24  
 CK 25° 50' 30" RT  
 4+32.19 Intercn with Wly #  
 CK 103.17  
 11° 39' RT  
 3+29.02 \* RT 89.62  
 37° 06' 15"  
 24 39.40 \* RT 115.85  
 90.75 To Intercn  
 Water line  
 18° 02' 30" LT  
 1423.55 \* RT 123.55  
 83° 54' LT  
 1400 = 00 sly. # 167.82 Fly BC prop pin



352.22



HODGES RES.  
TRAVERSE of WATER LINES.  
Well, etc. PUGMIRE Property  
(See sketch pg 49)

7/16/54

50

534.5 To TEE To

House & Chicken Batteries

123.0 To end 2" galv

at present time

PoT

70.25 To Intersect with  
395 Contour line

38°19'30" RT

1+1890

1+2890

84.70

10.20 To 2" 1/2 Bend  
out of tank

44°31'30" LT

0+3420 x PT

1097 C of WELL

12" steel casing, DEERLESS PUMP  
Switch & meter pole 95' S. of pump  
& 220' Gal pressure tank 2' N. of  
pump.

3420 To x PT

85°14' RT

0+00 = 128' Nly of EC prop pin, on way to  
(See sketch pg 49)



HODGES RES  
Traverse of Water lines,  
Well, etc, Timmons Property  
(see sketch pg. 42.)

7/16/54

51

331.0 To End

82.0 Intersect with  
395 Contour  
97°06' LT

2+07.52 X PT

147.37

0+60.5 POT.

same  
point

214.2 To House

118.5 to intersect with  
395 Contour

85°11'30" LT

214.2

85°11'30"

} 1" Galv.

0+60.5 X PT

60.15

57.6

82°08'30" LT

{ @ 200 gal press tank 2° RT  
@ Well 38 LT. 3' Conc. well enc'mt (2" Galv. on  
switch & met pole 12' LT  
down)

0+00 = 69° Ely along Nly R from E.C.

(see sketch pg. 42.)



SAN PASQUAL VALLEY  
DIVERSION DITCH  
E.S. P.M. W. Co DIVERSION CANAL  
(Continued from Pg. 44)

15+50 P.I. 33°56' LT

11+50 P.I. 8°40' LT

8+73 POT.  
8+73 P.I. (see pg. 44)

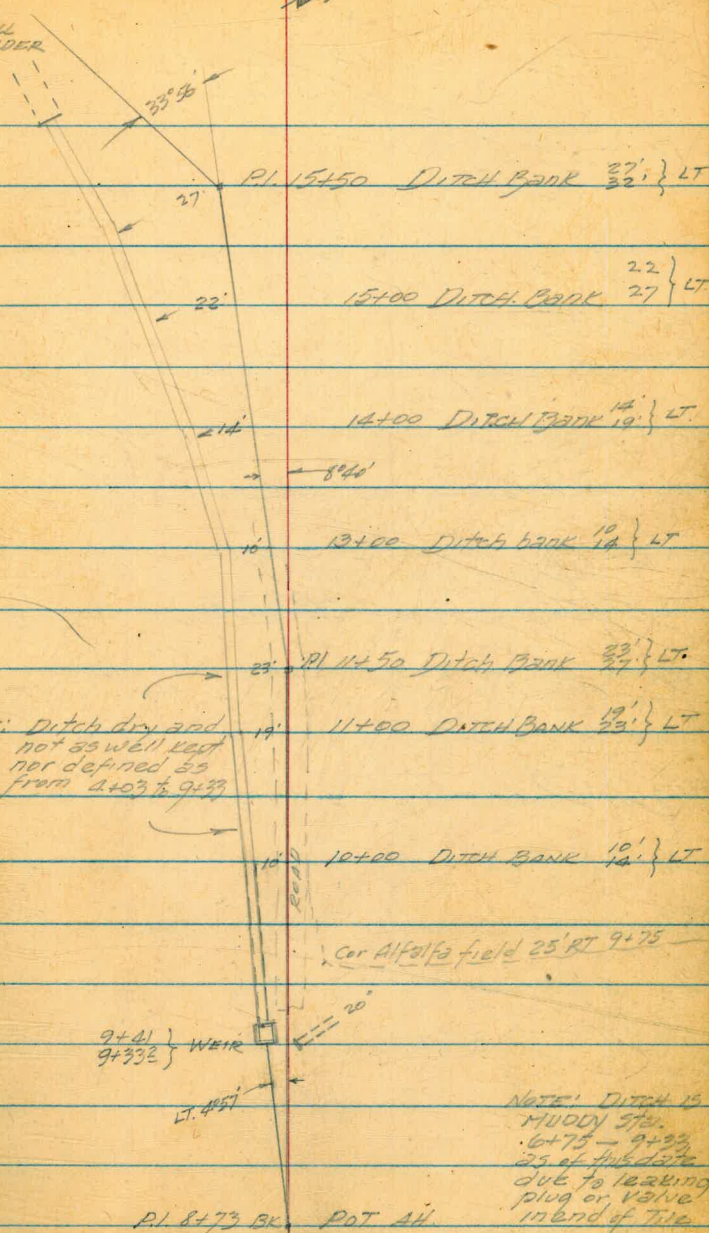
N 76° 10' W

N 67° 30' W

August 13, 1954

BEATTY  
SHOREY  
MARTELL  
ALEXANDER

52



NOTE: Ditch dry and  
not as well kept  
nor defined as  
from 2+03 to 9+33

NOTE: DITCH IS  
MUDDY ST.  
6+75 - 9+33  
25' of this date  
due to leaking  
plug or valve  
in end of tile

P.I. 8+73 BK POT. AN



SAN PASQUAL VALLEY  
DIV. DITCH.  
(Cont'd)

8/2/52.

53

22+15 P.I.

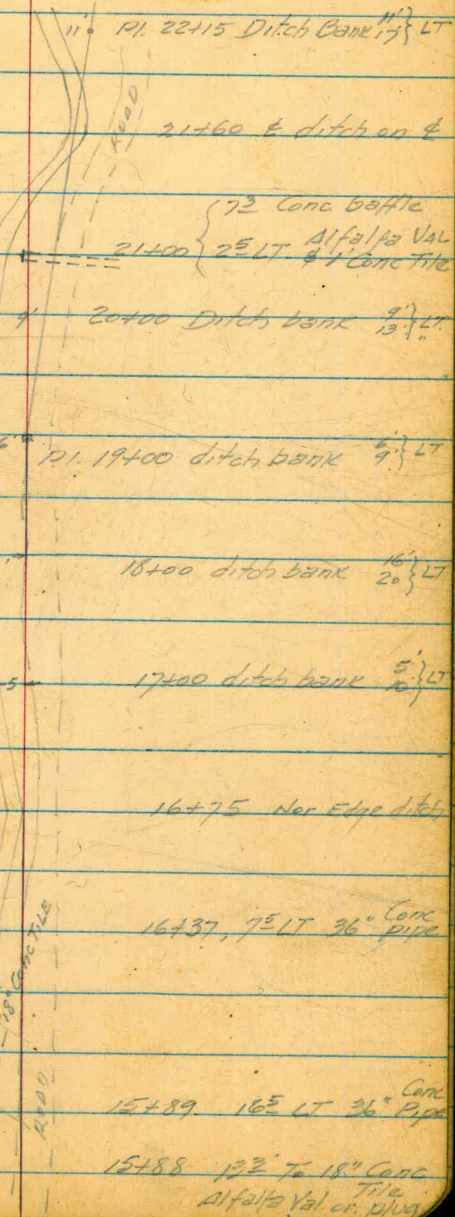
19+00 P.I.

11°02'15" RT

S 81°00' W

S 70°00' W

NOTE: THIS SECTION OF  
DITCH IS NOT AS WELL KEPT,  
OR CLEANED.





8/13/50

SAN PASQUAL VALLEY  
DIV. DITCH  
(Cont'd.)

29+50 P.I. 14°31' LT  
374°10' W

25+35 P.I. 37°10' RT

22+15 P.I. 29°23' RT

588°40' W

551°30' W

HIGHWAY

30x00 Nly edge A.C. pavt.  
P.I. 29+50

P.I. 25+35

Gate Closed  
25+29.5  
Begin 3/2" I.D.  
Wiring Riser Box

25+70 { 22' LT & Hwy  
46' LT Irrig Val

INLET  
23+10 11' LT Hdwall  
23+01 7' LT 18" CONCT.  
23+00 17' LT END  
2-18" CONC PIPE

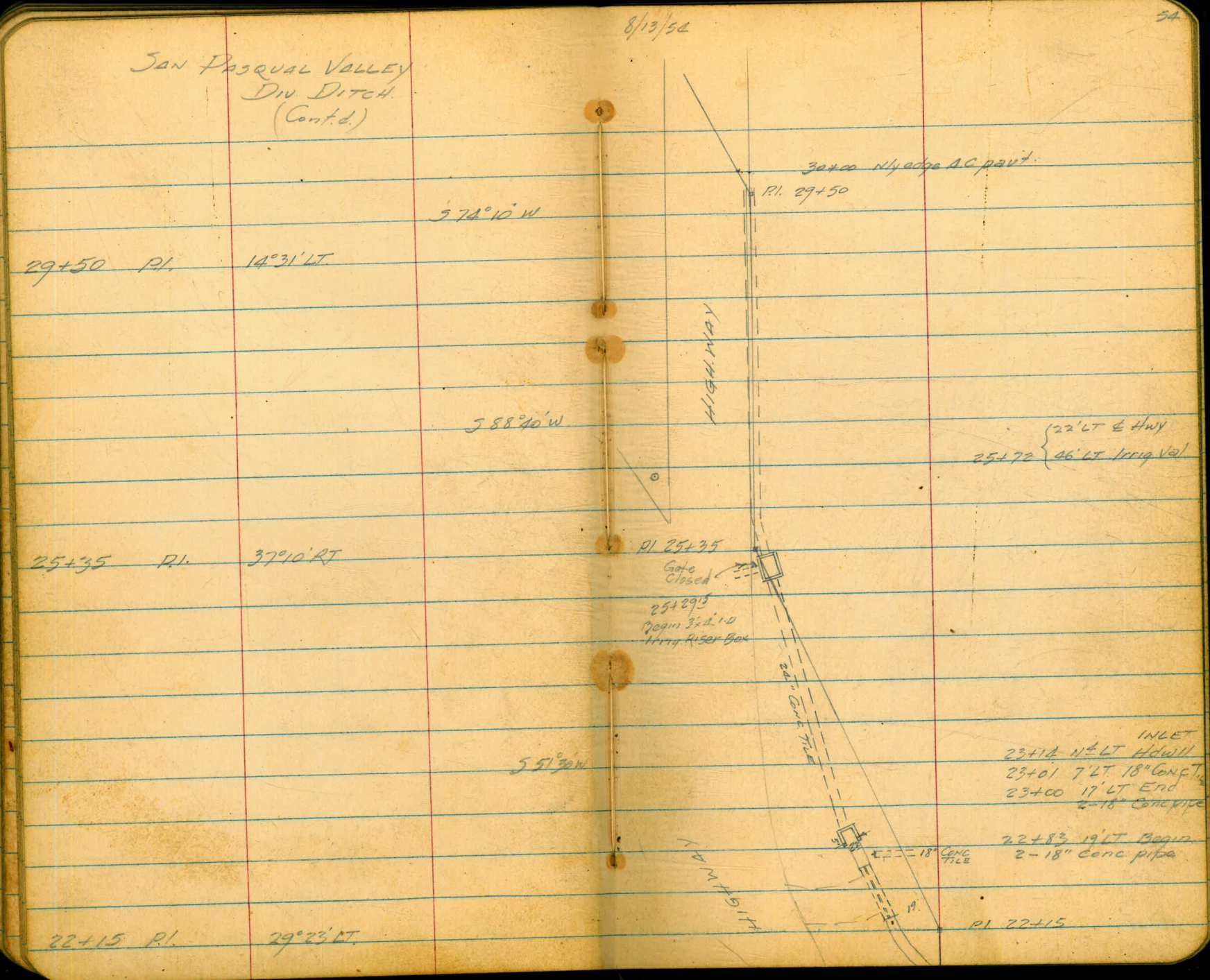
22+83 19' LT Begin  
2-18" CONC PIPE

P.I. 22+15

24" CONC TILE

18" CONC TILE

1/4" M.T. & B.I.T.





SAN PASQUAL VALLEY  
DIV. DITCH  
(Cont'd.)

44+45 P.I. 1°58'30" LT.

39+00 POT.

31+25 P.I. 14°22'30" RT.

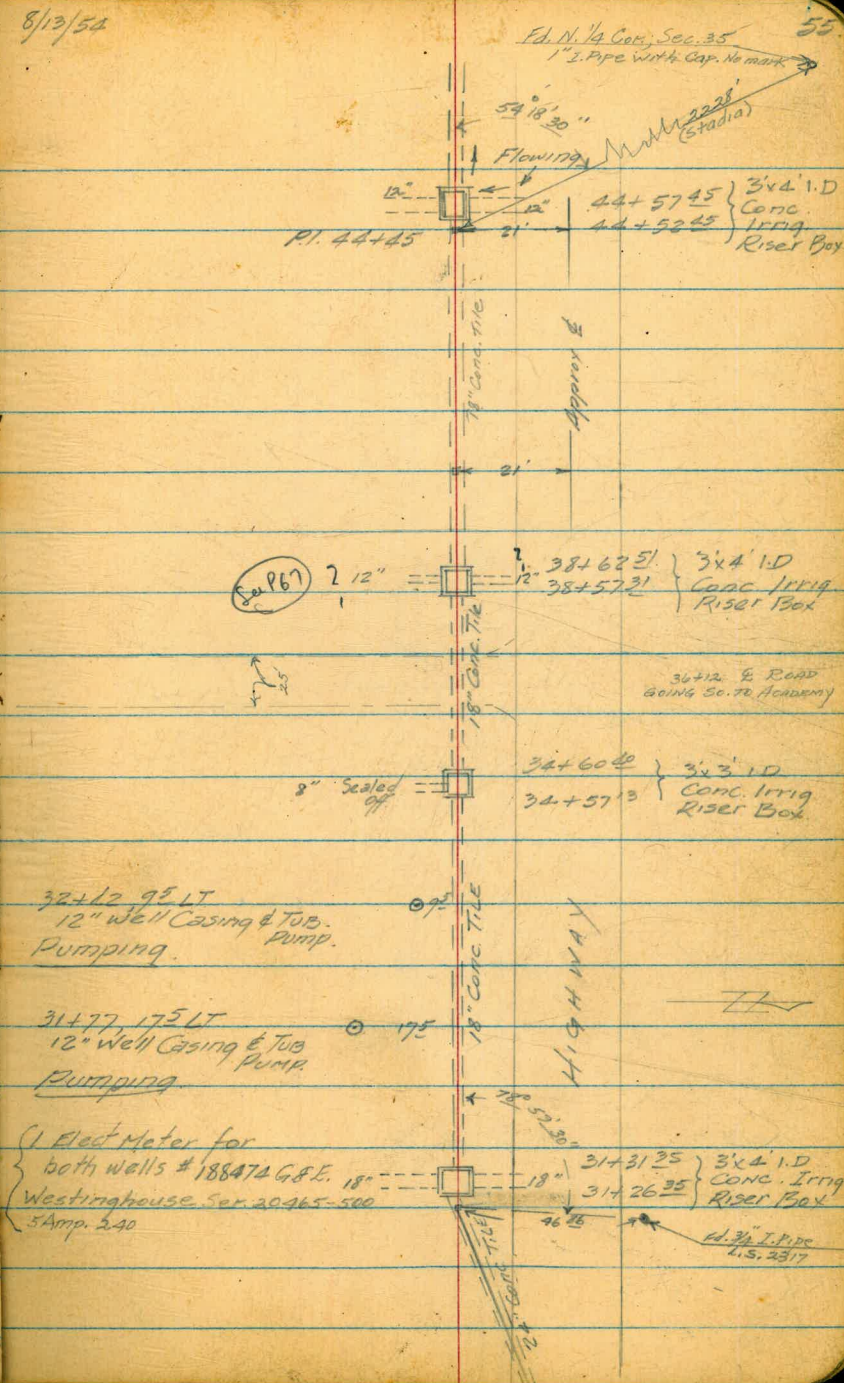
29+50 P.I.

586°45' W

588°45' W

574°10' W

8/13/52





San Pasqual Valley  
Div. Ditch  
(Cont'd)

8/16/54  
Shorey  
Martel  
Alexander

56

Cont'd on Page 57

57483 P.T. 22° 12' Lt

S. 1° E

56200 P.T. 1° 48' Rt

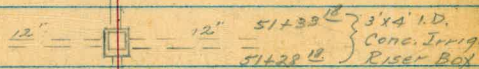
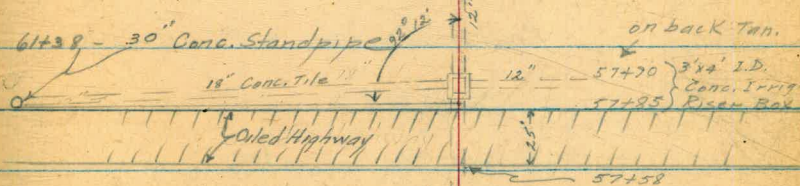
N. 87° W.

51450 P.T. 2° 14' 15" Rt.

S. 89° 30' W.

51420 P.T.

S. 86° 45' W





San Pasqual Valley  
Div. Ditch  
(Contd.)

9/16/54  
Sherey  
Martel  
Alexander

57

31+25 90°00' Lt. Forward Tan. 940' or to Road by San Pas

qual Academy - S.E. Cor. Field

12" Casing

32+32 9<sup>5</sup> Lt.

Peerless pump 35212 Motor: 15 H.P. Ser. 474771 - 1200 RPM  
12" Casing - Motor Ser. 35199  
30 H.P. 1755 RPM

31+77 17<sup>5</sup> Lt.

Fairbanks Morse Turbine Pump Ser. Pd. 3220 } Domestic  
Supply to  
6" dia. x 15' pressure tank  
FOR ACADEMY

31+25 P.T.

N.E. Cor. Corn Field (So. of Highway)

31+25 P.T.

N.W. Cor. Chili Field (So. of Highway)

(sighted East)

111° 56' Rt. Back Tan. 440'

Sly. Cor. Chili Field (So. of Highway)

6° 46' Rt. Back Tan. 397'

Nely. Cor. Chili Field (So. of Highway)

29+50 P.T.

2° 32' Lt. Back Tang. 500'

S.E. Cor. Chili & Strawberry Field

13° 27' Lt. Back Tan. 620'

Ely. " " " "

48° 40' Lt. " 902'

N.E. " " " "

(sighted West)

90° 54' Rt. Forward Tan. 675'

N.W. " " " "

18° 51' Rt. " 154'

S.W. " " " "

22+15 P.T.

26° 51' Rt. (Forward Tan) 50'

S.W. Cor. Alafalca Field

122° 00' Rt. " 522'

N.W. Cor. " " " "

116° 26' 30" Rt. " 578'

Well " " " "

Note:  
Peerless pump. Webb Bros. Ser. 900  
18" Casing; G.E. Motor 10 H.P. 1740 RPM,  
NE 1208053

G.E. 4736882, Motor  
G.E. 237803

Note:  
Aux. power Hercules Diesel  
Gear Ratio 1:2 " V Belt, pulley drive

11+50 P.T.

sighted East

4° 48' Lt. (Back Tangent) 170' Stadia

S.E. Cor. of Alafalca Field

103° 12' Lt. " " 815'

N.E. Cor. " " " "

31° 20' Lt. " " 370'

Well 12" Casing  
Centrifugal Pump discon.

99° 43' Lt. " " 618'

Well 12" Casing 1000 RPM - 25 H.P.  
Peerless Pump No. 153975

Note:  
Tower Meter disconnected. This  
Meter is used for lights & domestic  
water

15 Amp 240 - Duncan Meter - 4-934-727

G.E. No. 127185

50 Amp 240 - Westinghouse Meter 2411623

G.E. No. 231748 v



SAN PASQUAL VALLEY  
Div. Ditch  
(Cont'd)

36+00 P.O.T.

{ 20° 19' Lt. Fwd. Tang. 570'  
87° 28' 30" Lt. " " 727'

(Sighted East)

{ 20° 26' Rt. Back Tang. 975'  
20° 26' Rt. Back Tang. 975'  
(Sighted West)  
20° 02' Rt. Forward Tang. 960'

{ 11° 30' Rt. " " 425'  
8° 57' Rt. " " 504'

44+45 P.T.

{ 88° 39' Rt. Forward Tang. 420'  
31° 00' Rt. " " 360'  
20° 40' Rt. " " 360'  
26° 53' Rt. " " 1254'

(Sighted West)

32+00 P.O.T.

{ 113° 21' Rt. Forward Tang. 820'  
77° 32' Rt. " " 1000'  
62° 00' Rt. " " 1300'

31+25 P.T.

{ 20° 00' Rt. Forward Tang. 42'  
26° 00' Rt. " " 620'  
88° 30' Lt. " " 570'

57+58

To

44+45 P.T.

All Land Sly. to Road by San Pasqual

8/17/59

Shorey  
Martel  
Alexander

58

S.W. Cor. Corn Field - ALONG EAST SIDE ROAD GOING TO ACADEMY

S.E. " " " " WEST " " " " "  
(Corn field)

S.E. Cor. Peach Orchard

S.W. Cor. Corn Field

Sly Line of Field - Along Nly. line of Highway

" " " " " " " " "  
" " " " " " " " "

Well Peerless pump 18 H.P. - 1800 RPM - 12" casing  
Elec. Meter for both pumps (Westinghouse 20-602-276  
G.F.E. Co. 189917 50 AMP - 220 V.  
Well Peerless pump 10 H.P. - 1800 RPM - 12" casing  
on Nly. line of Field at So. End San Dieguito Bridge

on Nly. line of Field

" " " " "  
" " " " "

S.E. Cor. Field

N.E. Cor. Field

S.E. Cor. Corn Field

Academy can be irrigated & North to Creek



SAN PASQUAL VALLEY  
DIV. DITCH.  
Cont'd.

8/23/54  
Shorey  
Mortel  
ALEXANDER

59

78+33<sup>55</sup> APPROX. E OILED HIGHWAY  
54°35'30" Rt. to Approx. E Highway going West.  
S. 80°30' W.

74+85<sup>60</sup> P.I. 48°53' Lt.  
S. 26° W.

72+85<sup>67</sup> P.I. 76°36' Lt.  
S. 75° W.

68+65 P.I. 3°13'30" Rt.

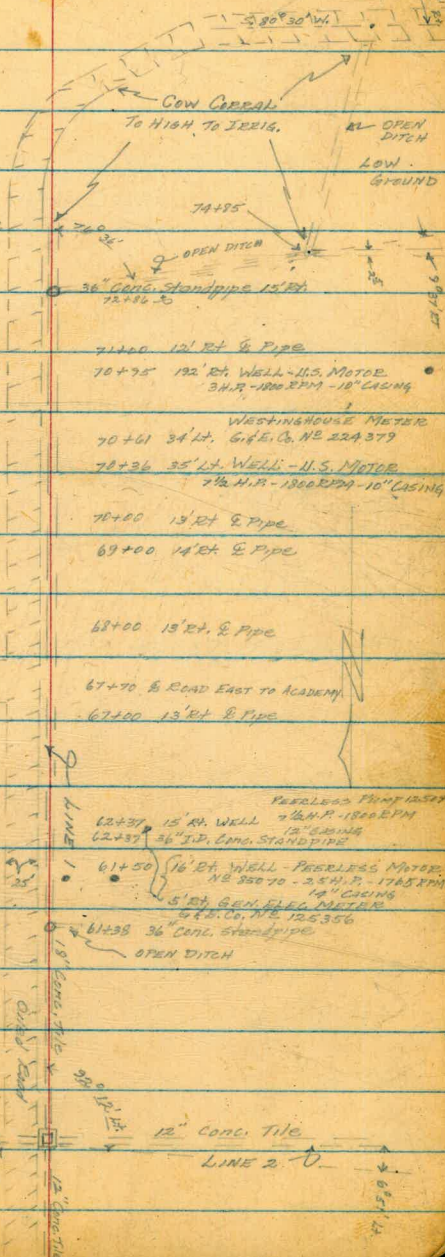
65+00 P.I. 3°29'15" Lt.

NOTE: ALL LANDS WEST OF  
ROAD, TO FENTON PROP (BOUNDED BY THE  
COUNTY ROAD TO THE SOUTH; IS IRRIGATED  
BY THESE LINES  
DIVERSIFIED CROPS - SOME OF CROPS IN PROCESS OF  
ROTATION

57+83 P.I. 92°12' Lt. TO LINE 1  
6°51' Lt. TO LINE 2

NOTE: IRRI. BOX OF STARS seems to be end of transmission  
line. LINE 1 & LINE 2 GOING ON FROM THIS POINT ARE  
LONG DISTRIBUTION LINES

7485 P.I. 9°37' Rt. 12" WALL  
OLD WELL - 18" CASING - NEW WELL 18" WEST.  
U.S. MOTOR 3/4 H.P. - 1800 RPM - 18" CASING.  
METER POLE ADJACENT TO OLD WELL  
GEN. ELEC. CO. 122229. THIS METER  
SERVES WELL TO NORTH, ALSO



71+00 12" Rt & Pipe  
70+75 192' Rt. Well - U.S. MOTOR  
3/4 H.P. - 1800 RPM - 18" CASING  
WESTINGHOUSE METER  
70+61 34' Lt. GEN. E. CO. NE 224379  
70+36 35' Lt. Well - U.S. MOTOR  
3/4 H.P. - 1800 RPM - 10" CASING  
70+00 13' Rt & Pipe  
69+00 14' Rt & Pipe

FREELESS PHOTODUOP  
62+37 15' Rt. Well 3/4 H.P. 1800 RPM  
18" CASING  
62+37 36" T.P. CONC. STANDPIPE  
61+50 16' Rt. Well FREELESS MOTOR  
NE 35070 - 3/4 H.P. - 1785 RPM  
18" CASING  
5' Rt. GEN. ELEC. METER  
GEN. E. CO. NE 126356  
61+38 36" CONC. STANDPIPE  
OPEN DITCH

18" CONC. TILE  
12" CONC. TILE  
LINE 2



SAN PASQUAL VALLEY  
Div. Ditch  
Cont'd.

8/23/59  
Shorey  
Martel  
Alexander

60  
RD. 3 1/2" PIPE  
SEC. COR.  
SEC. 34435  
27426

77+73 <sup>60</sup> P.I. 75° 17' Rt. TO SEC. COR.; SEC. 34435  
27426

77+73 <sup>60</sup> P.I. 2- OPEN DITCH

77+70 ON 8" 36" I.D. CONC. STANDPIPE

S. 83° 00' W

68+65 P.I. 1° 36' Rt. 52° 46' 30" Rt. TO SEC. COR.; SEC. 34435  
27426

68+65 P.I.

67+99 2" Lt. 36" I.D. CONC. STANDPIPE

S. 81° 30' W

62+57 P.I. 2° 26' 30" Lt

67+90 23" Rt. ABANDONED 36" CONC. CASING

S. 84° W.

57+83 P.I. 6° 51' Lt. TO LINE 2

N. 89° W.

61+28 DISTRIBUTION LINE GOES SOUTH TO GRANFENT ORCHARD

6° 51' Lt.

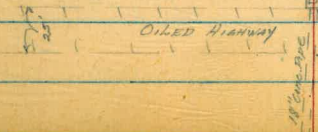
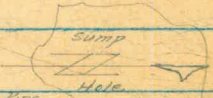
57+83 P.I.

18" CONC. PIPE

12" CONC. PIPE

Oiled Highway

57+58





SAN PASQUAL VALLEY

Div. Ditch

Cont'd

LEVEL 3

Reduced  
by W.H.  
Sept. 1954

2.27	455.27 ✓	453.00	
10+00	E DITCH NAT. GED.	3.0 452.3	?
12+00	NAT. GED.	4.6 450.7	
	E DITCH	6.7 448.6 -	
15+50 P.I.	GED.	5.0 450.3	
TP	3.62 453.64 ✓	5.25 450.02 ✓	
19+00	GED.	4.2 449.9	
	E DITCH	6.6 447.0 -	
22+15 P.I.	GED.	5.2 448.4	
	E DITCH	7.5 446.1 -	
TP	5.50 453.97 ✓	5.71 442.47 ✓	
23+14	INLET HDWALL - GED	6.2 447.1	
	TOP HDWALL	5.1 448.9	
	FL.	11.3 442.7	
CK RM ON ROCK BY ROAD		1.00 452.97 = 452.83	
25+80 <sup>15</sup>	RISE BOX GED	6.4 447.6	
	TOP BOX	3.7 450.3	
	FL.	12.0 442.0	
TP	3.23 449.25 ✓	8.65 445.32 ✓	

CHISH. IS ON 6" HDWALL 17<sup>5</sup> ST STA 9+30 = FB. 780 DUP. 2

IN WELL BACK



SAN PASQUAL VALLEY  
Contd.

LEVELS

Reduced by  
w. 2/ Sept. 1934

199.25 ✓

31+36<sup>35</sup> RISER BOX - GRD. 4.8 444.5

TOP BOX 1.5 447.8

F.L. 9.9 439.4

24" Tile

34+57<sup>19</sup> RISER BOX - GRD 6.0 443.3

BROKEN WALL 4.9 444.35

TOP BOX 2.9 446.85

F.L. 10.3 438.95

38+57<sup>21</sup> RISER BOX GRD 7.2 441.4

TOP BOX 4.9 444.9

F.L. 12.3 437.0

TP 0.01 444.83 ✓ 4.43 444.82 ✓

44+45 P.L. 6.5 438.3

44+52<sup>45</sup> RISER BOX - GRD 6.5 438.3

TOP BOX 1.6 443.2

F.L. 11.2 433.6

TP 6.58 442.66 ✓ 8.75 436.08 ✓

51+28<sup>18</sup> RISER BOX - GRD 9.0 433.6

TOP BOX 3.2 439.5

F.L. 12.0 429.7

TP 6.95 440.61 ✓ 9.00 433.66 ✓



SAN PASQUAL VALLEY  
Cont'd

LEVELS

Reduced by  
w. 41  
Sept. 1954

430.61 ✓

54+29	30" I.D. STANDPIPE - GRD	6.3	434.3
	Pipe TOP BOX	1.8	438.8
	F.L.	11.6	429.0
TP	309	437.57 ✓	613 434.98 ✓
54+85	RISER BOX GRD	5.2	432.8
	TOP BOX	+0.2	437.77
	F.L.	9.3	428.3
64+88	36" I.D. STANDPIPE GRD	7.3	430.3
	TOP BOX	3.2	434.4
	F.L.	10.4	427.2
TP	559	435.82 ✓	7.27 430.30 ✓
65+00	P.L. (LINE 1)	6.9	429.0
72+85	<sup>27</sup> P.L. (LINE 1)		
TP	3.76	436.92 ✓	2.73 433.16 ✓
78+33	<sup>55</sup> (LINE 1) & COUNTY RD.	4.1	431.8
CK. BM.		3.42	434.50 = 434.49 ✓

GRANITE ROCK SO. COUNTY ROAD - IN WELL BOOK



San Pasqual Valley  
Levels on Irrigation Tile Lines  
Etc, Under Diversion Ditch

Oct. 11 1954

Beatty  
Shroy  
Marshall  
Alexander

Notes Reduced  
Oct. 21, 1954 W.H.

64.

11	1.40	454.25 ✓	452.85	ft at Horiz field valve	15' RT 10+13	} Connects to Val 21+00
			4.80 449.45 ✓	Top 24" Conc riser		
12" well 370' Nly 11+50 (109.57)		+2.20	456.45 ✓	ft of discharge from pump (12" Conc)		
			- 7.75	ft of outlet from riser (irrig tile line to west)		18" Conc
			148.75			
			- 9.60			
			447.05			
12" well 618' Nly 11+50 (109.57)		+7.3	461.55 ✓	Top 30" ID (Conc 8" dia & steel 30" higher) Riser		
			- 15.0	ft of outlet from riser 18" Conc		to south to west
			446.55 ✓	ft 12" steel discharge from pump		
		1.2	453.05 ✓			
BM	1.63	454.63 ✓	453.00			
		5.19	449.4	ft 18" Tile Intake or Discharge	133 LT 15+88	
		6.75	447.9	ft 36" Conc pipe	165 LT 15+89	
		+ 0.6	455.2	Top 24" Conc riser	287' RT 16+00	
		7.10	447.5	ft 18" Conc Tile from pump	Fly to wly	
		7.90	446.7	ft 12" discharge or intake, Conc tile with		1/2" dia
					25 LT 21+00	
BM	0.52	453.35 ✓	452.83			
		6.87	446.5	ft 12" Conc Tile @ Horiz field valve	27' RT 21+00	
		7.08	446.3	ft 12" " " " " " "	335' RT 21+00	
				12" x 16" Tee approx	348' RT 21+00	



SAN PASQUAL VALLEY  
(Cont'd.)

	453.35 ✓	
14" Well 378' RT 22+15 (see pg. 57)	1.60	451.8
	4.10	449.3
	7.50	445.9
	2.62	450.7
	7.70	445.7
	6.70	446.7
	3.02	450.3
	8.10	445.3
	8.00	445.4
	8.16	445.2
	7.34	446.0
	8.38	445.0
B.M. <sup>47</sup> Boulder	0.63	453.46 ✓
	0.52	452.83 ✓
	9.01	449.5
	11.46	442.0 ✓ (also 442.4)
	10.5	443.0
	9.80	443.7

10/11/54

65

Top 30" Conc Tile riser 385' RT 22+15

# 9" steel discharge from pumps

# S & E 16", to Nor. 12" Conc Tile

Top 2'x2' Brick Chimney riser 368' RT 22+15

# 18" Conc Tile running So

# 10" outlet to west no pipe

Top 2.5'x3' Brick Chimney riser 265 RT 22+15

# 18" Conc Tile running So

# 16" outlet to west, no pipe

# 18" Conc Tile 7' LT. 23+01

# 2-18" Conc pipe under Entrance road

# 2-18" " " " " "

# 14" Conc Tile @ field valve 38' LT. 24+08

# 24" Conc Tile at Conc Riser 25+29

# 12" To South (closed off, cant open)

# 12" Conc Tile (end?) at field valve 56' LT 25+70



SAN PASQUAL VALLEY  
(Cont'd)

10/11/54

66

SP	5.32	450.64 ✓	445.32	from 10/6/54
			11.10	439.5
			11.26	439.4
			9.55	441.1
			9.88	440.8
			9.15	441.5
			1.48	449.2
			+0.5	451.1
			7.4	443.2
			1.98	448.7
			7.38	443.3
			2.38	443.3
			3.10	447.5
			7.52	443.1
			7.51	443.1
			1.96	448.7
			10.10	440.5
SP	1.00	447.85 ✓	446.85	
			8.90	438.95 ✓

# 24" Conc. tile Ely  
 # 18" Conc. tile Wly  
 # 18" " " Nly  
 # 18" " " Sly  
 # 18" " " " } Conc. Riser 31+26  
 Top 16" Conc. Riser } 45' LT 31+26  
 Top 24" Conc. Riser }  
 # full of water ? size E & W } 425' LT 31+29  
 Top 24" Conc. Riser }  
 # 18" Conc. Tile } 425' LT 31+34  
 # 16" Conc. Tile to Ely }  
 Top 2'x25" Brick Chimney Riser }  
 # 18" Conc. Tile from N. } 612' LT 31+35  
 # 16" " " to W. }  
 Top 24" Conc. Riser } 32+33 10' LT  
 # 16" Conc. Tile to E }  
 # 18" Conc.



SAN PASQUAL VALLEY  
Cont'd.

427.85 ✓

7.93	439.9
6.77	441.1
3.53	444.3
6.95	440.9
6.83	441.0
7.28	440.6
5.02	442.8
0.16	447.7
5.82	442.0
5.70	442.2
2.83	442.0
2.10	445.8
8.07	439.8
7.96	439.9
3.19	444.7
9.02	438.8
8.99	438.9
8.83	439.0
4.31	443.52 ✓
E 9.90	437.95
S 10.07	437.8
W 10.00	437.9
4.90	442.95
9.83	438.0
9.86	438.0
9.36	438.5
9.22	438.6
2.90	444.95 = 440.9

TP Cor d Riser

10/11/54

67.

# 18" Conc tile to Nor	Upper half of riser W 2 1/2' breaker out 2 1/2' oppositly not in use	34+59
# 8" Conc tile to So	Sealed off.	34+59
Top 2" Conc tile riser	} 48' RT	34+59
# 14" irrig val from So		
# 12" irrig val to W		apparently not in use
# 12" Conc Tile to N.	}	
# 6" outlet to E		
Top 3/4" Conc Riser	} 440' RT	31+30
# 18" Conc Tile to Nor		used
# 14" " " to W.		in use
# 18" " " to So		
Top 2 1/2" Conc Riser	} 440' RT	34+59
# 12" Conc Tile to E.		used
# 12" " " to W.		in use
Top 2 1/2" Conc Riser	} 440' RT	36+17
# 12" Conc Tile to W.		used
# 14" Conc Tile to E		
# 12" " " to N.		in use
Top 2 1/2" Conc Riser	} 430' RT	38+57
# 12" Conc Tile to E		
# 14" " " to S.		
# 12" " " to W.		
Top 1 1/2" Conc Riser	} 45' RT	38+57
# 12" Tile to Nor.		
# Tile to So		
# 14" Tile to Nor	} closed 19 1/2'	Riser 38+60
# 14" Tile to So		



SAN DASQUAL VALLEY  
(Cont'd.)

OCT. 13 1954

Gearty  
Shore  
Marfell  
Alexander

68

0.00	443.54	443.54
	3.72	439.8
	1.62	441.9
	4.81	438.7
	4.43	439.1
	5.00	438.5
	3.06	440.5
	9.58	433.7
	9.77	433.7
	9.87	433.7
	0.80	442.7
	4.42	439.1
	8.95	434.6
	1.70	441.8
	5.52	438.0
	9.33	439.2
5.58	443.90	522 438.32 ✓
	0.64	443.26 = 443.2
	9.55	434.4
	9.79	434.1
	2.08	441.8
	10.90	433.0
	8.32	435.6

14" Conc. Tile at  
#1 field valve 850 Nly 38+57 in use

Top 18" Conc. junct riser

# 14" irrig. valve to Fly } 850' Nly  
# 10" conc tile to Wly } 39+50 in use

# 6" Conc tile to Nly tailwater

Top 30" Conc. Riser

# 12" Conc sly. } in use  
# 12" Conc Tile Wly } 700± Norly 44+52

# 12" " " Nly }

Top 24" Conc Tile Riser

# 8" Steel discharge from well } 420' Nly  
# } 44+55  
# } in use

Top 24" Conc Tile Riser

# 6" Steel discharge from well } 360' Nly  
# } 44+50

# 14" Conc Tile } in use

Top 3x4" Conc Riser

# 14" Conc Tile from Nly } 3±  
# 14" Conc Tile to Sly } 44+55

Top 18" Conc. Tile Riser

# 12" Conc. Tile from Nly } 560' LT  
# 6" irrig. val. to Sly } 44+55  
# } Not in use



SAN PASQUAL VALLEY  
(Cont'd.)

10/13/56

69

	443.90 ✓				
		0.65	443.25 ✓	Top 24" Conc. Riser	} 580' LT 36+30 17/32
		4.20	439.70 ✓	# 16" Conc. Tile E & W	
P	5.26	438.92 ✓	433.66		
		1.66	437.26 ✓	Top 16" Conc. Tile Riser	} 245' LT 51+28 12/16
		9.83	429.09 ✓	# 12" Conc. Tile from Nly	
		3.22	435.70 ✓	Top 16" Conc. Tile Riser	} 305' LT 51+28 11/16
		10.10	428.82 ✓	# 12" Conc. Tile from Nly End 12" Conc. Tile	
		2.56	438.36 ✓	Top 12" Conc. Tile Riser	} 810' LT 51+28
		9.92	429.00 ✓	# 12" Conc. Tile E & W	
		5.74	433.18 ✓	Top of Conc. pad Domestic 6" well 100' LT 1 1/2" x 9/16" 2 1/4" HP. HENDY PUMP.	51+35
D	4.26	437.92 ✓	5.26	433.66 ✓	
		+1.02	438.94 ✓	Top 30" Tile Riser	} 54+24
		4.83	433.09 ✓	# 12" Conc. Tile to Nor	
CEP.	2.55	437.03 ✓	3.01	434.48 ✓	
		0.27	436.76 ✓	Top 16" Conc. Tile Riser	} 45' RT 54+00
		6.58	430.45	# 12" Conc. Tile from Sully	
		6.50	430.53	# 12" Conc. Tile to Nly	
		0.00	437.03	Top 16" Conc. Tile	} 95' RT 54+00
		7.35	429.68	# 12" Conc. Tile N & Sly	
		5.93	431.10	# 6" Tile drain from Fly (Cow Barn.)	
P	4.78	437.13 ✓	4.68	432.35 ✓	



SAN PASQUAL VALLEY  
(Cont'd.)

437.13 ✓

0.46 436.67 ✓  
8.12 429.01 ✓  
7.92 429.21 ✓  
7.50 429.63 ✓

+0.67 437.80 = 437.77 ✓

8.83 428.30 ✓

7.93 429.20 ✓

8.63 428.50 ✓

9.75 427.38 ✓

3.70 433.43 ✓

5.95 431.18 ✓

2.75 432.38 ✓

9.90 427.23 ✓

9.80 427.33 ✓

0.25 436.88 ✓

5.68 431.45 ✓

10.05 427.08 ✓

4.30 434.59 ✓ 6.84 430.79 ✓

+1.09 435.68 ✓

3.86 430.73 ✓

7.50 427.05 ✓

6.58 439.38 ✓ 1.79 432.80 ✓

10/13/54

70

Top 24" Conc Tile Riser  
# 18" Conc Tile to Sly  
# " " " to Nly  
# " " " to Wly

6' RT  
57+90 Line #1

Top 3rd Conc Riser

57+88 Line #2

# 12" Conc Tile to Wly

# 18" Conc Tile to Sly

# 12" " " to Nly

# 12" Conc Tile Line from N 1/3 21' LT 61+28  
From Nor. Line #2

Top 16" Conc Tile Riser

Top 30" Galv pipe, EXT on 30" Conc Riser } 61+38  
End 18" Conc tile 12' RT 61+38 into open ditch } LINE #1

Top 30" Conc Tile Riser

61+50  
Line #1

# 10" steel discharge from well

# 18" Conc Tile to N & S

Top 30" Conc Tile Riser

62+37

# 6" steel discharge from well } LINE #1

# 18" Conc Tile



SAN PASQUAL VALLEY  
(Cont'd)

10/13/50

71.

	439.38		5.52	433.86 ✓
			9.30	430.08 ✓
			9.64	429.74 ✓
			9.70	429.68 ✓
			9.53	429.85 ✓
CK TP			6.26	433.12 = 433.16
TP	1.80	432.98 ✓		431.18
			+0.55	433.53 ✓
			7.35	425.63
TP	2.83	429.40 ✓	6.41	426.57 ✓
			+2.65	432.05
			6.80	422.6
			1.66	427.74
			8.10	421.30
			6.00	423.40
TP			11.82	417.58
TP	6.39	432.96 ✓	2.83	426.57 ✓
TP	4.00	434.68 ✓	2.28	430.68 ✓
CK TP			3.50	431.18 = 431.18
CK TP			2.34	432.34 = 432.35

Top 36" Conc Tile Riser	} 15' RT 72+86 Line #1 10 USE
# 16" Conc Tile Drain from Sly	
# 16" " " " Ely	
# 16" " " " Wly	
# 15" " " " Nly	
00 Pl. 72+85.72	
Top 14" Conc Tile Riser	} 15' LT 64+67 Line #2 10 USE
# 12" Conc Tile from N to S	
Top 36" Conc Tile Riser	} 67+99 Line #2 10 USE
# 12" Conc Tile E, W, S, 10" Nly	
Top 18" Conc Tile Riser	} 8' LT Line #2 71+46 10 USE
# 12" Conc Tile N, S, E, W	
Top 30" Conc Riser	} 77+70
# 12" Conc Tile N, S, E	



SAN PASQUAL VALLEY  
(Cont'd.)

10-14-52

72

BM	2.50	436.99 ✓	434.49	Granite Bldr pg. 63	
		6.90	430.09 ✓	# 12" Hdgate to Nor	} 74+85 (Line 1)
		7.20	429.79 ✓	# 18" " to So.	
		7.65	429.34 ✓	# 18" " to W 74+92.	
		6.88	430.11 ✓	Top 10" Casing wall 192' RT	74+95 } Line #1
		6.75	430.24 ✓	# 3" Steel discharge, Domestic supply	
		4.63	432.36	Top 10" Well Casing, well 34' LT	74+61 } Line #1
		4.23	432.76	# 3" steel discharge, Domestic supply	
		5.30	431.69	Top 14" well casing, 140' Wly	74+85 } Line 1
		4.96	432.03	# 3" steel discharge, Domestic supply	
		11.04	425.85	# 18" Conc Tile @ 2x2" Conc ditch drop, 130'	Conc } 190' Wly 74+85
		9.30	427.69 ✓	# E side of ditch drop & Conc box	
		9.20	427.59 ✓	Top 24" Conc Tile Riser	} 320' So of
		6.07	430.92	# 14" Conc Tile Nly & Wly	
		15.27	421.52	Top 36" Conc Tile Riser	} 710' Wly 74+85 Line 1
		8.63	428.36	# 18" Conc Tile from Ely	
		12.63	420.36	# 14" Conc Tile to Nly & Sly	
		16.88	420.11	Top 36" Conc Tile Riser	} 125' Nly of
		10.77	426.22	# 14" " " to Sly & Nly	
		16.87	420.12	# 10" " " to Wly	} 255' Nly of
		16.67	420.32	Top 24" Conc Tile Riser	
		10.58	426.41	# 14" Conc Tile to N & S	
		16.28	426.21	# 10" opening to field	} 265' Nly of
		12.28	422.71	# of open 10' Nly of Riser	
		15.00	421.99		



SAN PASQUAL VALLEY  
(Cont'd.)

10/14/54

73

	436.99 ✓		
	7.00	429.99 ✓	Inlet 16" CMP Con. 330' S Wly
			X-PT (Assumed) 353' S Wly 74+85
	7.35	429.64 ✓	Outlet 16" Conc Tile 496' Wly of X-PT
			43' S Wly " " " "
CEB17	2.50	434.49 ✓	
TP	2.04	429.63 ✓	
	2.70	426.93	Top 36" Conc Tile Riser
	8.61	421.02	# 16" Conc Tile from Fly
	8.23	421.40	# 10" Conc Tile to open ditch to Wly
			# 10" Conc Tile to open ditch to Nly
	5.85	423.78	Top of 18"
	11.43	418.20	# 10" Conc Tile from Fly
	11.83	417.80	# 10" " " " " Sly
	11.85	417.78	# 10" outlet to open ditch Wly
	8.88	420.75	# 10" " " " " Nly
CK 19M	2.04	427.59 ✓	

330' along open ditch S Wly of 74+85 Line #1

315' Wly of Riser

320' Sly of

710' Wly of

74+85

Line 1

600' Wly of Riser

125' Nly of

710' Wly of

74+85

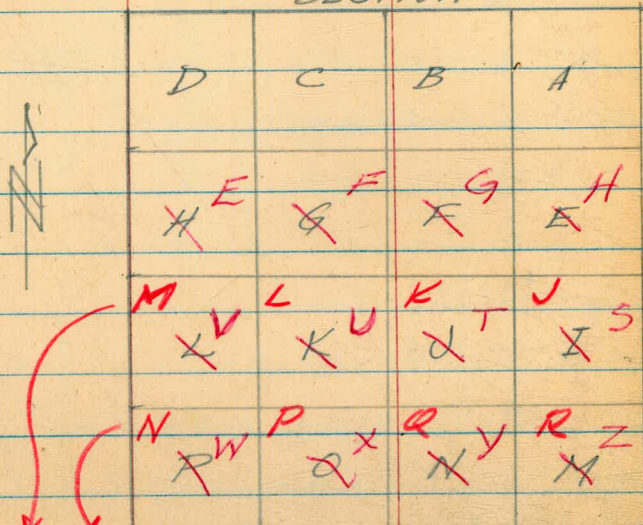


WELL LOCATIONS & ELEV.  
CLOVERDALE RANCH

8/29/55  
SHOREY & PARTY

74

SECTION



STATE  
& REV.  
CITY  
DESIGNATION.

WELL #	RIW	T125	SEC.	30-	1- <sup>S</sup>
# 55	"	"	"	"	"
# 56	"	"	"	"	"
# 58	"	"	SEC. 29-	D	"
# 61	"	"	"	"	"
# 58	"	"	"	"	"
# 59	"	"	SEC. 30-	A	"
# 60	"	"	"	"	"

Revised 10/7/55 RE Dotson  
W.H. Beatty.

SCALED DISTANCES FROM DWG. #3629. DTS. 3-17-60.

- #55 1500' N. X 350' W. OF S.E. COR.
- #56 1800' S. X 100' W. OF N.E. COR.
- #57 1300' S. X 100' E. OF N.W. COR. DONT USE. M<sub>1</sub>
- #58 550' S. X 450' E. OF N.W. COR.
- #59 600' S. X 500' W. OF N.E. COR.
- #60 500' S. X 300' W. OF N.E. COR.
- #61 30' E. OF #57.



WELL ELEV  
(CONT'D)

BM.	1.11	370.57	369.46
	2.48	369.39	366.91
		2.47	366.92
		3.1	366.3
SET TRM	3.07	370.07	2.39 367.00

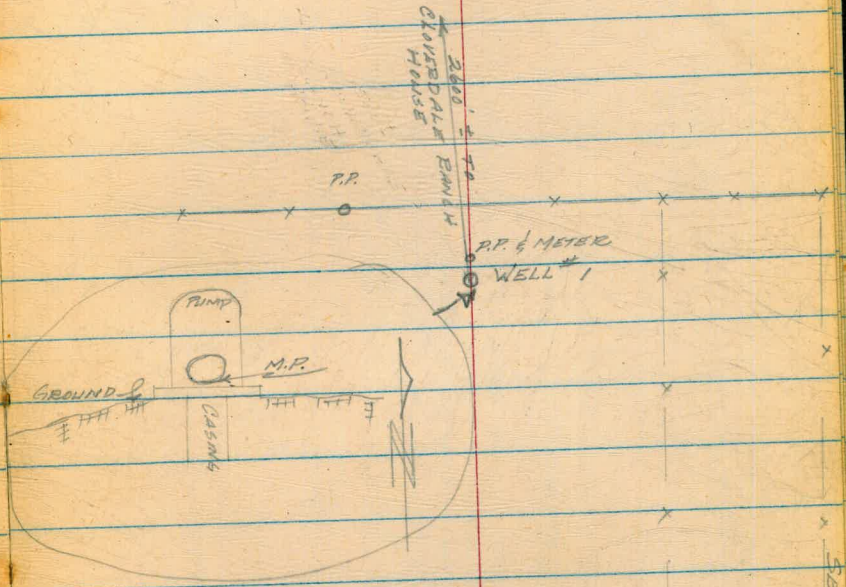
8/29/55

75

115C & 65 B.M. MON Y-307 (Pg. 38)

MEASURING POINT WELL # 1 123-1W-30S

GROUND  
SET TRM NAIL IN P.P. APPROX. 30' NWLY WELL # 1



APPROX 1500' N. 1 300' W. ...



CONT'D

TBM	3.07	370.07		367.00
TP	6.94	376.14	0.87	369.20
TP	4.62	380.39	0.37	375.77
			4.7	375.7
			3.53	376.86
			3.80	376.59
SET TBM			3.39	377.00

SET TBM

8/29/55

76

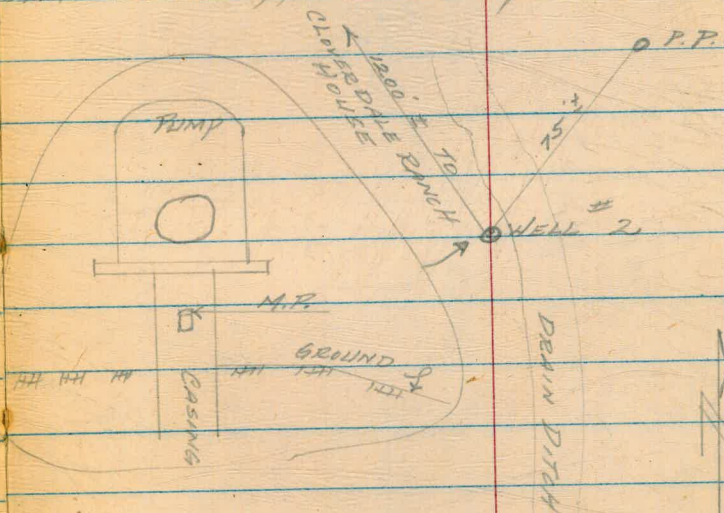
P.P. Nwly 30' WELL #1

GROUND

BASE OF PUMP

M.P.

NAIL IN P.P. APPROX 75' NELY. WELL #2



125-1W-30 H.



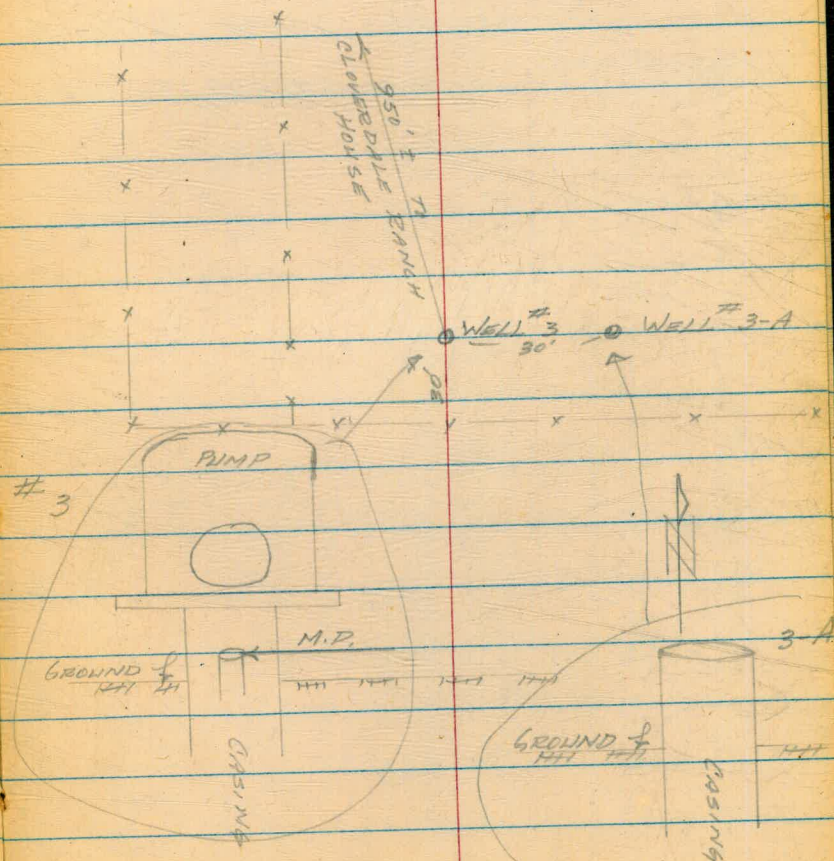
CONT'D

TBM	4.99	381.99	377.00
		3.5	378.5
		3.31	378.68
SET TBM	2.21	379.78	
		3.7	378.3

8/2/55

77

NAIL IN P.D. APPROX 75' NELY WELL #2.  
 GROUND AT #3  
 M.P. WELL #3  
 TOP OF CASING ABANDONED WELL 30'E. OF #3  
 CALL IT #3-A  
 GROUND AT 3-A





CONT'D

TBM	6.25	386.73	379.78
	5.91	391.37	1.27 385.46
		6.2	395.2
		5.36	386.01
SET TBM.	6.96	395.96	2.37 389.00
	8.63	399.95	4.64 391.32
CK. TBM			1.42 398.53 = 398.56

8/29/55

78

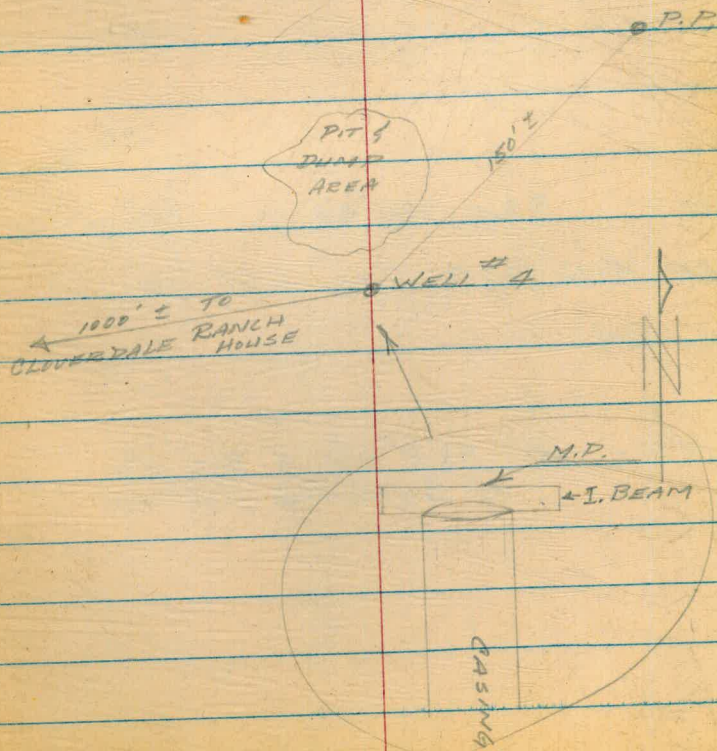
TOP OF CASING AT 3-A (ABANDONED WELL)  
30' E. OF #3

GROUND AT #4

M.P. IN TOP I BEAM WELDED TO TOP OF CASING

NAIL IN P.P. APPROX. 150' NELY WELL #4

TOP OF PRESSURE TANK (SEE PAGE 38)





CONT'D

8/29/55

79

TBM	TBM	1.00	398.00		389.00
		7.72	395.88	1.84	388.16
		4.80	399.80	0.88	395.00
				2.6	397.2
				0.98	398.82
SET				2.2	397.6
				1.70	398.10
CK. TBM	SET TBM	0.77	399.39	1.20	398.60
		13.02	399.93	12.48	386.91
CK TBM				1.30	398.63 = 398.67

BM. 3.20 337.44 394.24  
 MP WELL 1352W 1J3 0.57 336.87  
 CK TBM

WELL IS 325' SW & 300' ELY  
 of GAUGING STATION

GROUND AT WELL #5

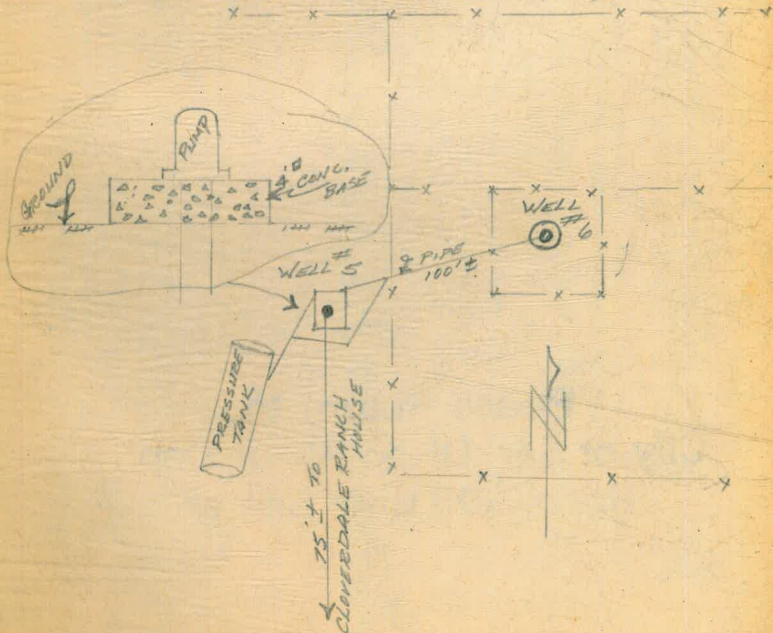
M.P. WELL #5

GROUND AT WELL #6

M.P. WELL #6

TBM ON N.E. COR. CONG. BASE OF #5 WELL

NAIL IN PALM TREE (SEE PAGE 38)





USCGS

Y-307

1935

188° 40'

85 20  
103 12

6776

5783

987

76-10

33-56

110-06

69-54

51.31

110

17+00 34

FB 2103

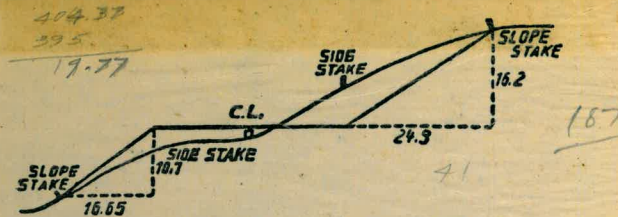
4150 645

pg 70

6450

6475 wet

Please Return to  
City of San Diego Water Dept.  
Room 903 Civic Center



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.  
SLOPE 1 1/2 TO 1. ROADWAY OF ANY WIDTH.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.00	0.15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	0
1	1.50	1.65	1.80	1.95	2.10	2.25	2.40	2.55	2.70	2.85	1
2	3.00	3.15	3.30	3.45	3.60	3.75	3.90	4.05	4.20	4.35	2
3	4.50	4.65	4.80	4.95	5.10	5.25	5.40	5.55	5.70	5.85	3
4	6.00	6.15	6.30	6.45	6.60	6.75	6.90	7.05	7.20	7.35	4
5	7.50	7.65	7.80	7.95	8.10	8.25	8.40	8.55	8.70	8.85	5
6	9.00	9.15	9.30	9.45	9.60	9.75	9.90	10.05	10.20	10.35	6
7	10.50	10.65	10.80	10.95	11.10	11.25	11.40	11.55	11.70	11.85	7
8	12.00	12.15	12.30	12.45	12.60	12.75	12.90	13.05	13.20	13.35	8
9	13.50	13.65	13.80	13.95	14.10	14.25	14.40	14.55	14.70	14.85	9
10	15.00	15.15	15.30	15.45	15.60	15.75	15.90	16.05	16.20	16.35	10
11	16.50	16.65	16.80	16.95	17.10	17.25	17.40	17.55	17.70	17.85	11
12	18.00	18.15	18.30	18.45	18.60	18.75	18.90	19.05	19.20	19.35	12
13	19.50	19.65	19.80	19.95	20.10	20.25	20.40	20.55	20.70	20.85	13
14	21.00	21.15	21.30	21.45	21.60	21.75	21.90	22.05	22.20	22.35	14
15	22.50	22.65	22.80	22.95	23.10	23.25	23.40	23.55	23.70	23.85	15
16	24.00	24.15	24.30	24.45	24.60	24.75	24.90	25.05	25.20	25.35	16
17	25.50	25.65	25.80	25.95	26.10	26.25	26.40	26.55	26.70	26.85	17
18	27.00	27.15	27.30	27.45	27.60	27.75	27.90	28.05	28.20	28.35	18
19	28.50	28.65	28.80	28.95	29.10	29.25	29.40	29.55	29.70	29.85	19
20	30.00	30.15	30.30	30.45	30.60	30.75	30.90	31.05	31.20	31.35	20
21	31.50	31.65	31.80	31.95	32.10	32.25	32.40	32.55	32.70	32.85	21
22	33.00	33.15	33.30	33.45	33.60	33.75	33.90	34.05	34.20	34.35	22
23	34.50	34.65	34.80	34.95	35.10	35.25	35.40	35.55	35.70	35.85	23
24	36.00	36.15	36.30	36.45	36.60	36.75	36.90	37.05	37.20	37.35	24
25	37.50	37.65	37.80	37.95	38.10	38.25	38.40	38.55	38.70	38.85	25
26	39.00	39.15	39.30	39.45	39.60	39.75	39.90	40.05	40.20	40.35	26
27	40.50	40.65	40.80	40.95	41.10	41.25	41.40	41.55	41.70	41.85	27
28	42.00	42.15	42.30	42.45	42.60	42.75	42.90	43.05	43.20	43.35	28
29	43.50	43.65	43.80	43.95	44.10	44.25	44.40	44.55	44.70	44.85	29
30	45.00	45.15	45.30	45.45	45.60	45.75	45.90	46.05	46.20	46.35	30
31	46.50	46.65	46.80	46.95	47.10	47.25	47.40	47.55	47.70	47.85	31
32	48.00	48.15	48.30	48.45	48.60	48.75	48.90	49.05	49.20	49.35	32
33	49.50	49.65	49.80	49.95	50.10	50.25	50.40	50.55	50.70	50.85	33
34	51.00	51.15	51.30	51.45	51.60	51.75	51.90	52.05	52.20	52.35	34
35	52.50	52.65	52.80	52.95	53.10	53.25	53.40	53.55	53.70	53.85	35
36	54.00	54.15	54.30	54.45	54.60	54.75	54.90	55.05	55.20	55.35	36
37	55.50	55.65	55.80	55.95	56.10	56.25	56.40	56.55	56.70	56.85	37
38	57.00	57.15	57.30	57.45	57.60	57.75	57.90	58.05	58.20	58.35	38
39	58.50	58.65	58.80	58.95	59.10	59.25	59.40	59.55	59.70	59.85	39
40	60.00	60.15	60.30	60.45	60.60	60.75	60.90	61.05	61.20	61.35	40
41	61.50	61.65	61.80	61.95	62.10	62.25	62.40	62.55	62.70	62.85	41
42	63.00	63.15	63.30	63.45	63.60	63.75	63.90	64.05	64.20	64.35	42
43	64.50	64.65	64.80	64.95	65.10	65.25	65.40	65.55	65.70	65.85	43
44	66.00	66.15	66.30	66.45	66.60	66.75	66.90	67.05	67.20	67.35	44
45	67.50	67.65	67.80	67.95	68.10	68.25	68.40	68.55	68.70	68.85	45
46	69.00	69.15	69.30	69.45	69.60	69.75	69.90	70.05	70.20	70.35	46
47	70.50	70.65	70.80	70.95	71.10	71.25	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

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