Ck'd by

Work PWD + REH

/1/70

Survey of MUNZ RANCH RD.

JN 0097.34 Tape 229 Std 84 °F

Surveyed by C.L. WRIGHT

Notes C.L.W. Date AUG 70

Indexed [redacted] GALLI SEP 29 [redacted]

F.B. 3834 Pg. 7

MUNZ RANCH ROAD

J.N. 0097.34

PHOTO CONTROL —

REFS:

C.S.B. - 1073-2

C.S.B. - 1350

F.B. 2441

CALIF. DEPT. WATER RESOURCES
FIELD OFFICE @ FAIRMONT

PARTY:

C.L. WRIGHT

M.R. NEVAREZ

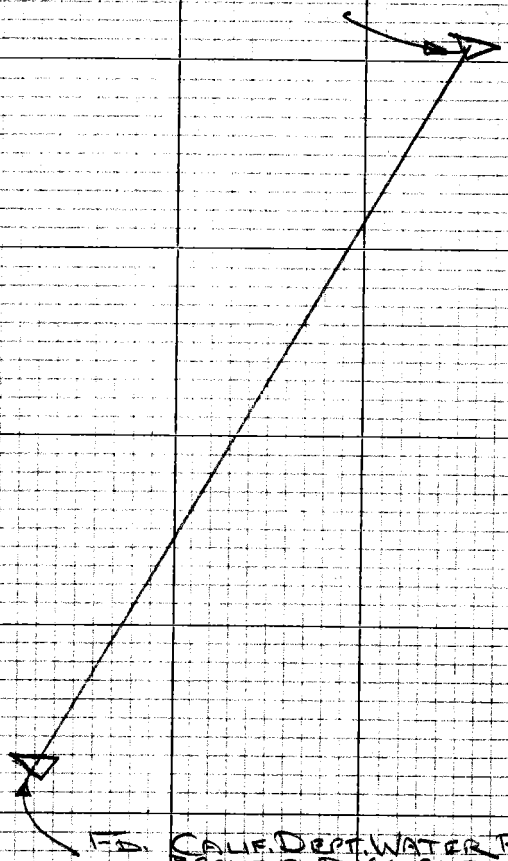
T.A. DONLEVY

L.G. KEISNER

Microfilmed Jan '85

F.B. 3834 Pg. 8

FD. CALIF. DEPT. WATER RESOURCES
BRONZE DISC SET IN CONC. FLUSH
MARKED M3-57
FROM D.W.R. FIELD OFFICE @ FAIRMONT:
ELEV. 2951.06
ZONE V COORDINATES:
N. 433 899.61
E. 1883 325.67



1-A CALIF. DEPT. WATER RESOURCES
BRONZE DISC SET IN CONC. FLUSH
MARKED M3-66
FROM D.W.R. FIELD OFFICE @ FAIRMONT:
ZONE V COORDINATES:
N. 433 412.65
E. 1882 931.49

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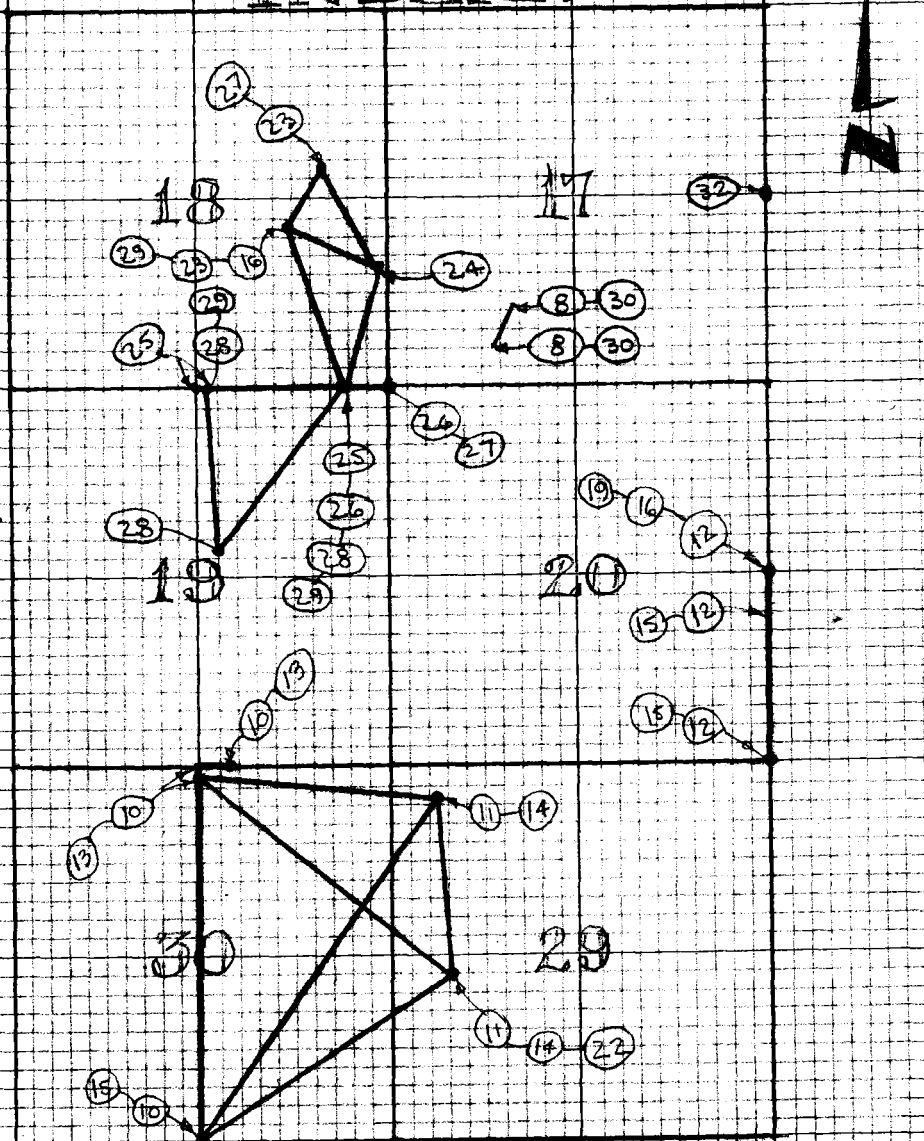
Notes Ck'd by	Survey of Munz Ranch Rd.	F.B. 2834 Pg. 9
Map No.	JN 0097.34 Tape 229 Std 84 °F	
Office Work PAW + REH	Surveyed by C. L. Wright	
Checked	Notes C.L.W. Date July '70	
Date 10/1/70	Indexed C. L. GALLI SEP 29 '70	

MUNZ RANCH ROAD
J.N. 0097.34 T7N R14W

PHOTO CONTROL - INDEX:



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76P3098 CE #310 5-66

F.B. 3834 Pg. 10

ALSO C.S.B.-1350
F.B. 521-62

M.R.-5
FD. 1" I.P.
CONC. PLUG
TAG FLUSH
TAG S.W. UP 2"
F.B. 1869-138

REC. 19
ORIG.
F.B. 1869-138
C.S.B. 1013-2
1/4 COR (MR. 12)
150 C.S. MON.
A 2" I.P. &
BRASS CAP IN
CONC. UP 6"
T 86°
LEVEL - 43.59

MARKED

F.B. 1869-138
595.19

SECTION LINE

43.59

SEC. 30

M.R.-4
SET 3/4"
CAPPED PIPE
FLUSH ON N-S
& SEC 30.

To M.R. 3
Pg. 11

-21-24-27-

To M.R. 2
Pg. 11

①	21	24	20
②	85	37	40
③	128	26	40
	21°	24'	27"

①	54	05	55
②	216	23	30
③	324	35	35
	54°	05'	50"

S 80° 25' W Calc. 30 ac. - SOUTH & adj.

①	75	39	40
②	382	01	30
③	958	02	30
	75°	30'	25"

To M.R. 1
Pg. 11

To M.R. 2
Pg. 11

①	40	49	35
②	163	17	25
③	244	56	50
	40°	49'	23"

40° 49' 23"

①	15	31	40
②	62	06	40
③	93	10	00
	15°	31'	40"

15° 31' 40"

N 56° 21' 05" W

①	56	21	00
②	225	24	45
③	338	06	30
	56°	21'	05"

M.R.-1
1/4 COR. FD. L.S.N.
TOP LARGE BOULDER
FLUSH.
C.S.B. 1013-2
C.S.B. 1350
F.B. 521-60

REC. 31

T 7 S
R 1 W

T 7 S
R 1 W

W.S. 22-3-5

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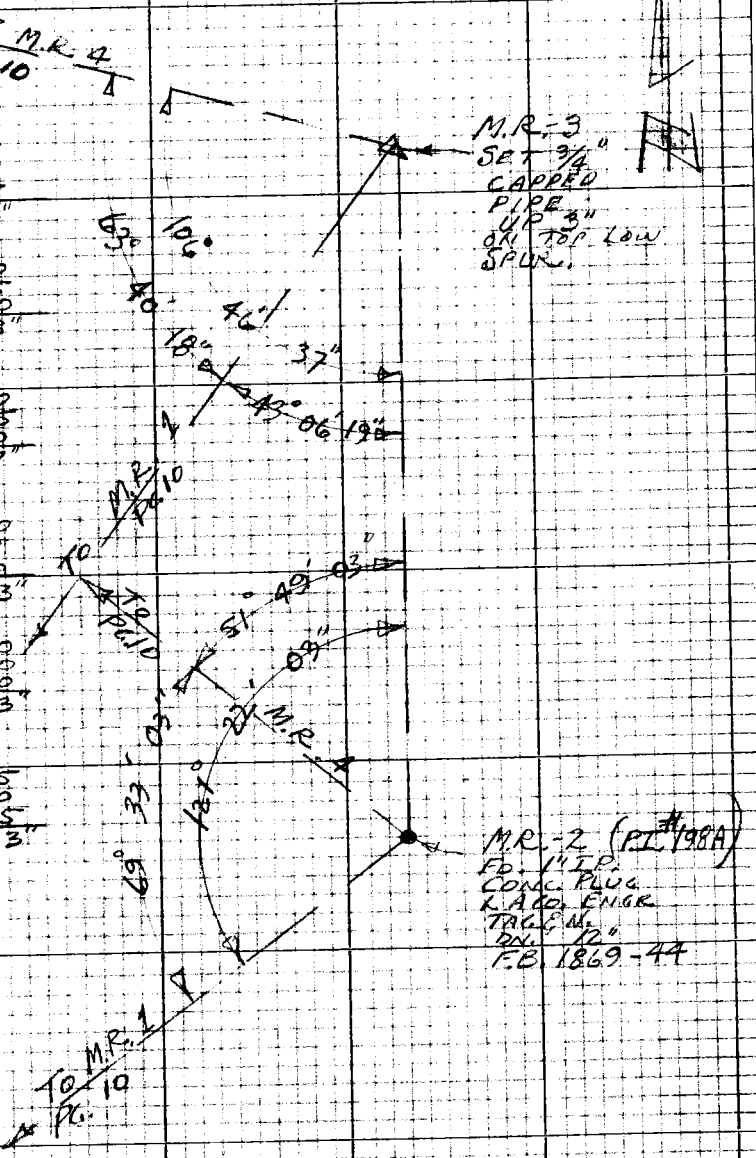
Map No.	JN 0097.84 Tape 229 Std 84 °F	
Office Work PAW REH	Surveyed by C.L. Wright	
Checked	Notes C.L.W. Date July 70	
Date 10-1-70	Indexed [illegible] SEP 29 '70	



①	43	06	15
④	172	25	05
⑥	258	37	55
	43°	06'	19"

①	63	40	20
④	254	41	15
⑥	22	01	50
	63°	40'	18"

①	106	46	40
④	67	06	25
⑥	280	39	40
	106°	46'	37"

①	69	33	00
④	278	12	10
⑥	57	18	20
	69°	33'	03"

①	51	49	00
④	207	16	00
⑥	310	54	20
	51°	49'	03"

①	121	22	05
④	125	28	10
⑥	8	12	15
	121°	22'	03"

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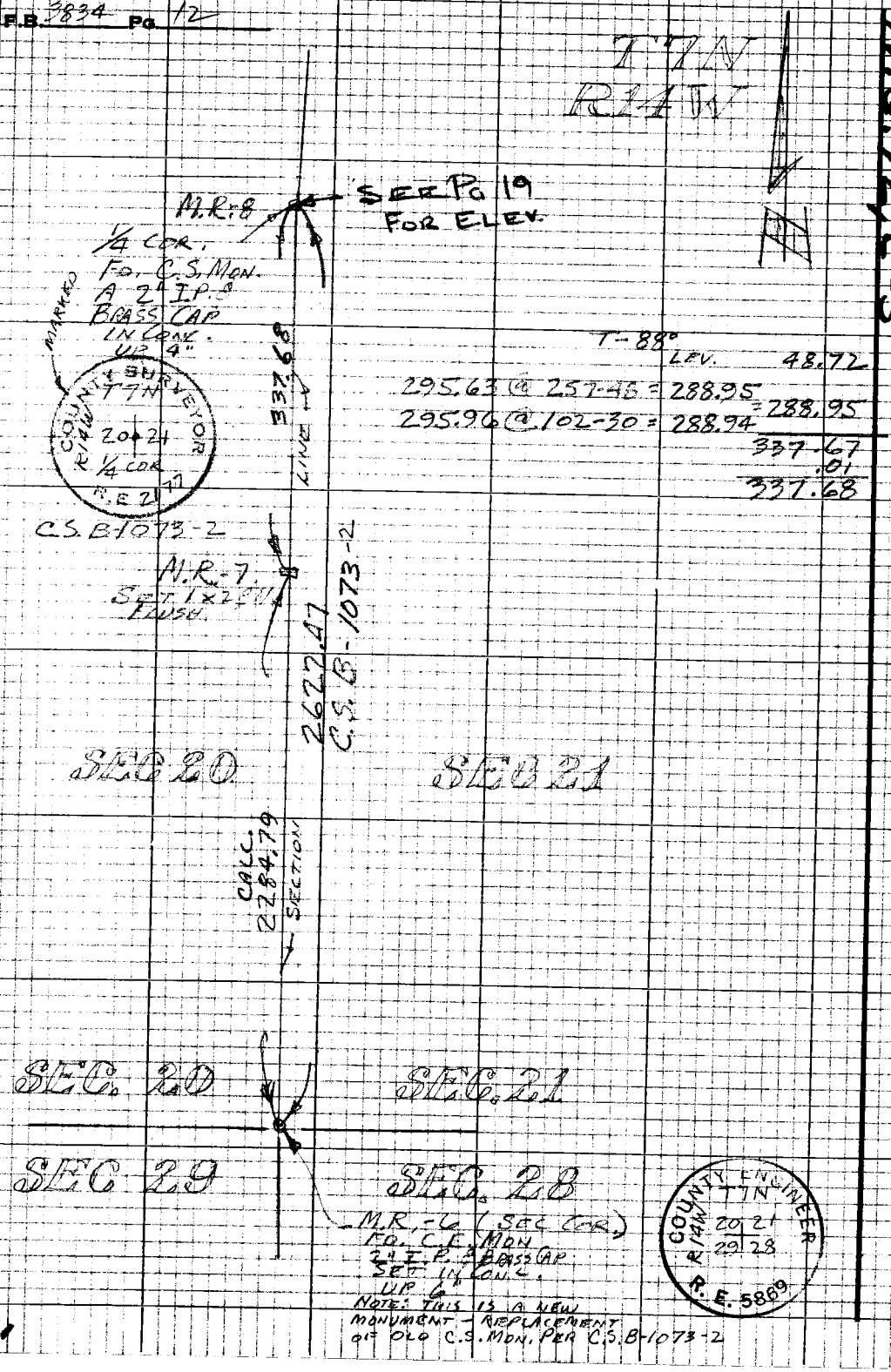
76P3098 CE #310 5-66

F.B. 3834 Pg. 12



W.S. 72, C-5

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TRANSIT AT STATION MR-4 F.B. 3834 PG 10 H.I. 4.91

Sight on	Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+ Difference - Elevation	Adjusted Diff. Elev.
MR3	10°	93-31-15					
"	"	266 25 25					
		⊖ 3 32 55					
MR2	10°	96 40 25					
"	"	263 16 40					
		⊖ 6 41 52					
MR1	10°	94° 42' 30"	5258.26				
		265 14 45					
		⊖ 4 43 52					
MR12	4.79	LEVEL	43.59				
TRANSIT AT (M.R.12 1/4 COR)			F.B. 1869 3834		PG 138 PG 10	H.I. 4.27	
SIGHT ON							
M.R.4	4.37	LEVEL	43.59				
M.R.5	4.35	94-00 15	595.19				
		265 57 00					
		⊖ 4-01-37					
P.O.T. Sec. Line F.B. 1869-138 F.B. 3834-10							
TRANSIT AT MR.5			F.B. 1869 3834		PG 138 PG 10	H.I. 4.90	
SIGHT ON							
(M.R.12 1/4 COR)	3°	86 18 05	595.19				
		273 39 00					
		⊕ 3 40 27					

X

Notes Ck'd by
Map No.
Office Work PAW+REH
Checked
Date 10-1-70

Survey of Munz Ranch Rd.
JN0097.34 Tape 229 Std 84 °F
Surveyed by C.L. Wright
Notes C.L.W. Date 10-1-70
Indexed C.L. GALLI SP 29

F.B. 3834 PG. 13

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TRANSIT AT STATION M.R. 2 F.B. 1869 3834 PG 44 11 H.I. + 5.29

Sight on	Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+Difference - Elevation	Adjusted Diff. Elev.
M.R-1	10°	88 - 30 - 25					
"	"	271 - 26 - 40					
"		⊕ 1 - 28 - 07"					
M.R-4	10°	276 - 45 - 45					
"	"	83 - 11 - 30					
"		⊕ 6 - 47 - 07"					
M.R-3	10°	79 58 20					
"	"	279 58 40					
		⊕ 10 00 10"					

TRANSIT AT M.R-3 F.B. 3834 PG 11 H.I 4.56

SIGHT ON	ROD			
M.R-2	10°	99	41	20
"		260	15	40
		⊕ 9	42	50"
M.R 1	10°	91	55	00
"		268	02	20
		⊕ 1	56	35"
M.R 4	10°	86	16	45
"		273	40	05
		⊕ 3	41	40"

F.B. 3834 PG 14

76F3095 CE #310 6-62

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TRANSIT AT STATION MR-1 F.B. 3834 PG 10 H.I. 5.60

Sight on	-Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+Difference - Elevation	Adjusted Diff. Elev.
MR 2	10°	91 21 00 268° 36' 15" ⊖ 1° 22' 22"					
MR 3	10°	87 57 05 272° 00' 00" ⊕ 2° 01' 27"					
MR 4	10°	85 09 30 274° 47' 50" ⊕ 4° 49' 10"	5258.26				
TRANSIT AT			M.R. 7	F.B. 3834	PG 12	H.I. 4.76	
SIGHT ON MR 6	10°	81 37 55 278° 19' 10" ⊕ 8° 20' 37"	2284.79				
MR-8	2.75	101-44-10 258-13-05 ⊖ 11° 45' 32"	337.68				
TRANSIT AT			M.R. 6	F.B. 3834	PG 12	H.I. 4.30	
SIGHT ON MR. 7	2.90	98-13 40 261° 43' 35" ⊖ 8° 15' 02"	2284.79				

Notes Ck'd by
Map No.
Office Work PAW + REH
Checked
Date 10-1-70

Survey of MUNZ RANCH RD.
JN 0097.34 Tape 22° Std 84 °F
Surveyed by C. L. WRIGHT
Notes C. L. W. Date AUG 70
Indexed C. L. GAINES SEP 29 '70

F.B. 3834 PG. 15

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TRANSIT AT STATION MR-8 F.B. 3834 PG 12, 19 H.I. + 4.21

Sight on -Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+Difference - Elevation	Adjusted Diff. Elev.
MR7 4.0	78 34 40 281 22 10 ⊖ 11 23 45"	937.68				
	STATION	D.W.R. 152W	F.B. 3834	PG. 23	HI 4.80	
PI 12 10.0	103 05 40 256 51 20 ⊖ 13-07-10"					
M3-54 10.0	264 54 30 95 02 30 ⊖ 5°-04'-00"					
MR-9 10.0	86 28 50 273 28 10 ⊕ 3° 29' 40"					

F.B. 3834 PG 16

X

F. B. 3834 PG. 17

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 0097.34 Division No. ____
Survey of Munz Ranch Road
X-Sec. No. ____ Notes Chk'd. BCW Date ____ Checked ____ Date ____ Survey by [illegible] Notes [illegible] Date Aug '70
Map No. ____ Indexed G. J. GALLY Date SEP 29 '70

MUNZ RANCH ROAD
J.N. 0097.34

DIFFERENTIAL LEVELS — PAGE

1. D.W.R. B.M. M3-83 TO BM 329.5 — 18
2. DWR BM 329.5 TO 1/4 COR (M.R.8) SECS. 20-21 T7N R14W — 19
3. L.A.Co. ENGR. B.M. 111-32 TO ELIZABETH LAKE RD. P.I. 198A — 21-22
4. L.A.Co. BM. 113-4 TO 1/4 COR - 16-17, T7N R14W — 31-32

STATION	B. S.	H. I.	F. S.	ELEV.

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76-L-298 CE 307 5-66

76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.		
					FOUND. D.W.R. B.M.# M 3-83 (R/W POINT ALSO) D.W.R. ELEV. 2971.27 [illegible] FOUND A D.W.R. STD. BRASS CAP SET IN CONC AT ∠P - IN FENCE - N'LY OR DOWNHILL SIDE OF CANAL. STA. 1160+38±	
BM - M3-83				2971.27		
	5605	2976875				
TP			11719	2965156		
	0407	2965563				
TP			8750	2956813		
	5226	2962039				
TP			5341	2956698		
	5023	2961721				
			5312	2956409		
	9631	2666040				
B.M. 329.5			2877	2963.16	FOUND. D.W.R. BM# 329.5-A STD. D.W.R. BRASS CAP SET IN CONC. ON N'LY OR DOWNHILL SIDE OF CANAL OPPOSITE STA 1168+60± ON FENCE LINE. D.W.R. ELEV. 2963.18	

X

F. B. 3834 PG. 18

Job No. 0097.34 Division No. ____ Notes Red ____ Plotted ____ Profile ____

Survey of Muntz Ranch Rd. Date ____ Date ____ No. ____

Survey by C.L. Wright Notes C.L.W. Notes Chk'd. ____ Checked ____ X-Sec. ____

Indexed G.L. GALLI Date AUG 70 Date ____ Date ____ No. ____

76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.		
					F.D. D.W.R. B.M. 329.5 - A STD. D.W.R. BRASS CAP SET IN CONC. ON N'LY OR DOWNHILL SIDE ON CANAL ON R/W LINE OPPOSITE STA. 1168+60± D.W.R. ELEV 2963.18 F.B. 3834-18	
B.M. 329.5				2963180		
	2241	2965421				
T.P.			7832	2957589		
	9165	2966754				
T.P.			0578	2966176		
	10381	2976557				
T.P.			0177	2976380		
	11022	2987402				
T.P.			1449	2985953		
	4675	2990628				
(M.R.-8 1/4 COR.)			1539	2989089	FD. A C.S. MON. 2" I.P. & BRASS CAP IN CONC. OF 4" F.B. 3834-12, C.S.B 1073-2	
	3102	2992191				
T.P.			11841	2980350		
	1487	2981837				
T.P.			11761	2970076		
	0858	2970934				
BM 329.5			[illegible]55	2963179	SEE 16 LINES ABOVE	

X

Profile Notes Red ____ Plotted ____ Job No. 0095-[illegible] Division No. ____
No. ____ Date ____ Date ____ Survey of [illegible]
X-Sec. Notes Chk'd. [illegible] Checked ____ Survey by C.L. WRIGHT Notes C.L.W. Date AUG '70
No. ____ Date ____ Date ____ Map No. ____ Indexed G. J. GALLY Date SEP 29 70

F. B. 3834 PG. 19

F. B. 3934 Pg. 20

Job No. Division No. Notes Red Plotted Profile

Survey of Date Date No.

Survey by Notes Notes Chk'd. Checked X-Sec.

Indexed Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.
		BLANK		

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STATION	B. S.	H. I.	F. S.	ELEV.		
	MUNZ RANCH ROAD - 91 N. 0097.34					
	BENCH LEVELS FROM B.M. 111-32 S.E'LY TO P.I. 198-A (M.R.-2) & RETURN					
					FOUND @ INT. MUNZ RANCH RD. & ELIZABETH LAKE RD 3'± N.E. OF P.P.4 29176M. 58' S.E. OF P.T. 2B, 26.4' S'LY OF P.I. #200B A C.E. BUTTON MON. ON 12" F.B. 2437-44 F.B. 1869-130 ELEV. 3296.773	
BM - 111-32				3296.773		
	1668	3298441				
TP			9155	3289286		
	4562	3293848				
TP			4367	3289481		
	4429	3293910				
TP			8145	3285765		
	2442	3288207				
TP			4629	3283578		
	6828	3290406				
TP			1469	3288937		
	7793	3296730				
TP			3370	3293360		
X	6534	3299894				

Profile Notes Red ____ Plotted ____ Job No. 0097.34 Division No. ____
No. ____ Date ____ Date ____ Survey of [illegible]
X-Sec. Notes Chk'd. [illegible] Checked ____ Survey by [illegible] Notes C.L.W. Date AUG '70
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLY Date SEP 29 70

F. B. 3934 PG. 21

76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.		
		3299 894				
TP			3510	3296 384		
	8155	3304 539				
P.I. 198 A (M.R. 2)			3 105	3301 434	F.B. 1869-44 F.B. 3834-11	FOUND A 1" I.P. CONC PLUG - LA CO. ENGR. TAG & N. DN. 12"
	2865	3304 299				
TP			7914	3296 385		
	3621	3300 006				
TP			6645	3293 361		
	3223	3296 584				
T.P.			7647	3288 937		
	1448	3290 385				
TP			6 805	3283 580		
	4629	3288 209				
TP			2440	3285 769		
	8180	3293 949				
TP			4465	3289 484		
	4551	3294 035				
TP			4 749	3289 286		
	9 068	3298 354				
BM 111-32			1580	3296 774	FD. C.E. BUTTON MON. ELEV. 3296.773	F.B. 3834-21 F.B. 2437-44 F.B. 1869-13

X

F. B. 3834 PG. 22

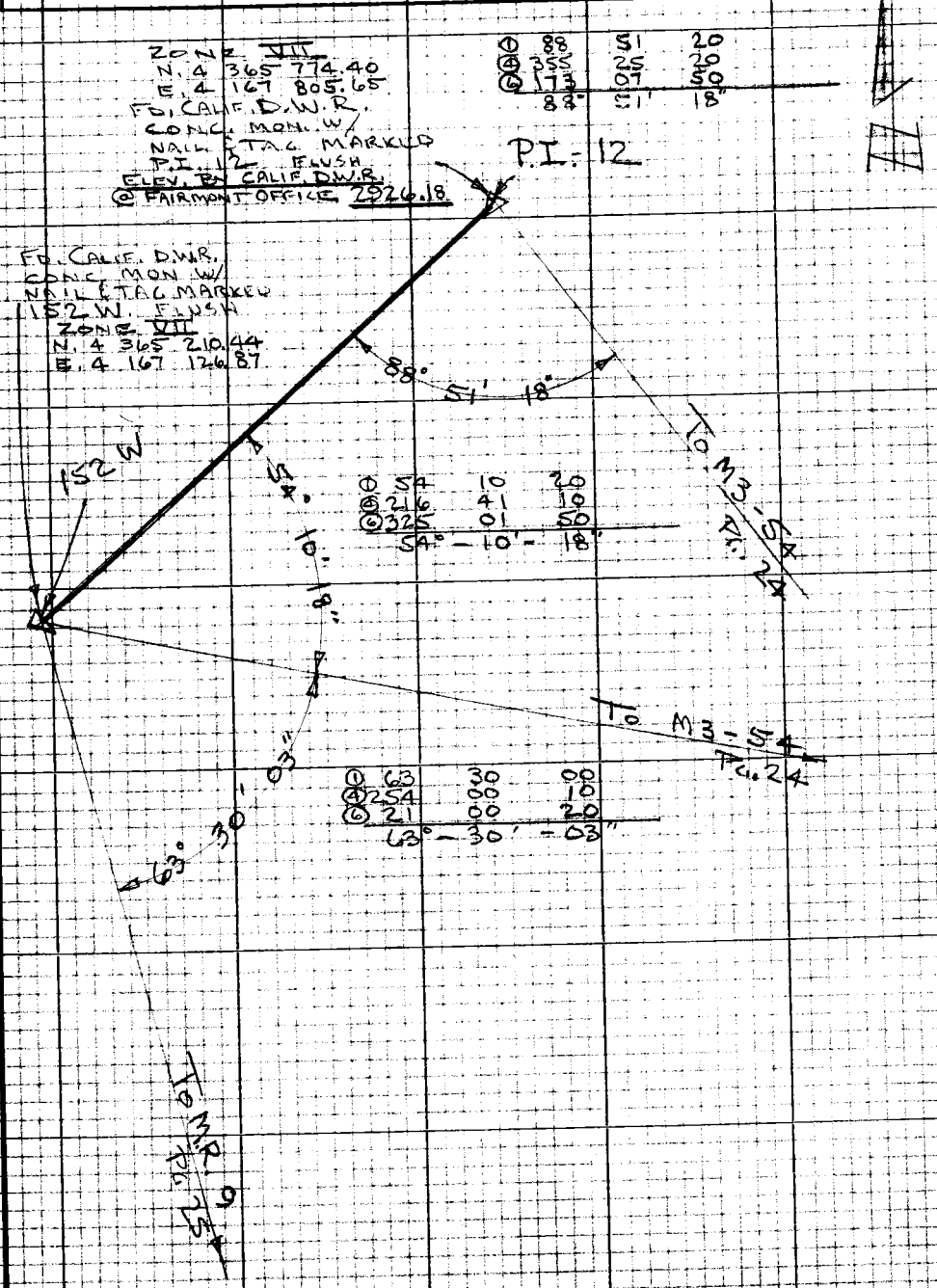
Job No. 0097.34 Division No. ____ Notes Red ____ Plotted ____ Profile ____

Survey of MUNZ RANCH ROAD Date ____ Date ____ No. ____

Survey by C.L. WRIGHT Notes C.L.W. Notes Chk'd. ____ Checked ____ X-Sec. ____

Indexed B.B. GALLI Date AUG '70 Date ____ Date ____ No. ____

Notes Ck'd by	Survey of MUNZ RANCH ROAD	F.B. 3834 Pg. 23
Map No.	JN 0097.34 Tape 229 Std 84 °F	
Office Work PAW REH	Surveyed by C.L. WRIGHT	
Checked	Notes C.L.W. Date 18 AUG 70	
Date 10-1-70	Indexed G.J. GALLI SEP 29 '70	



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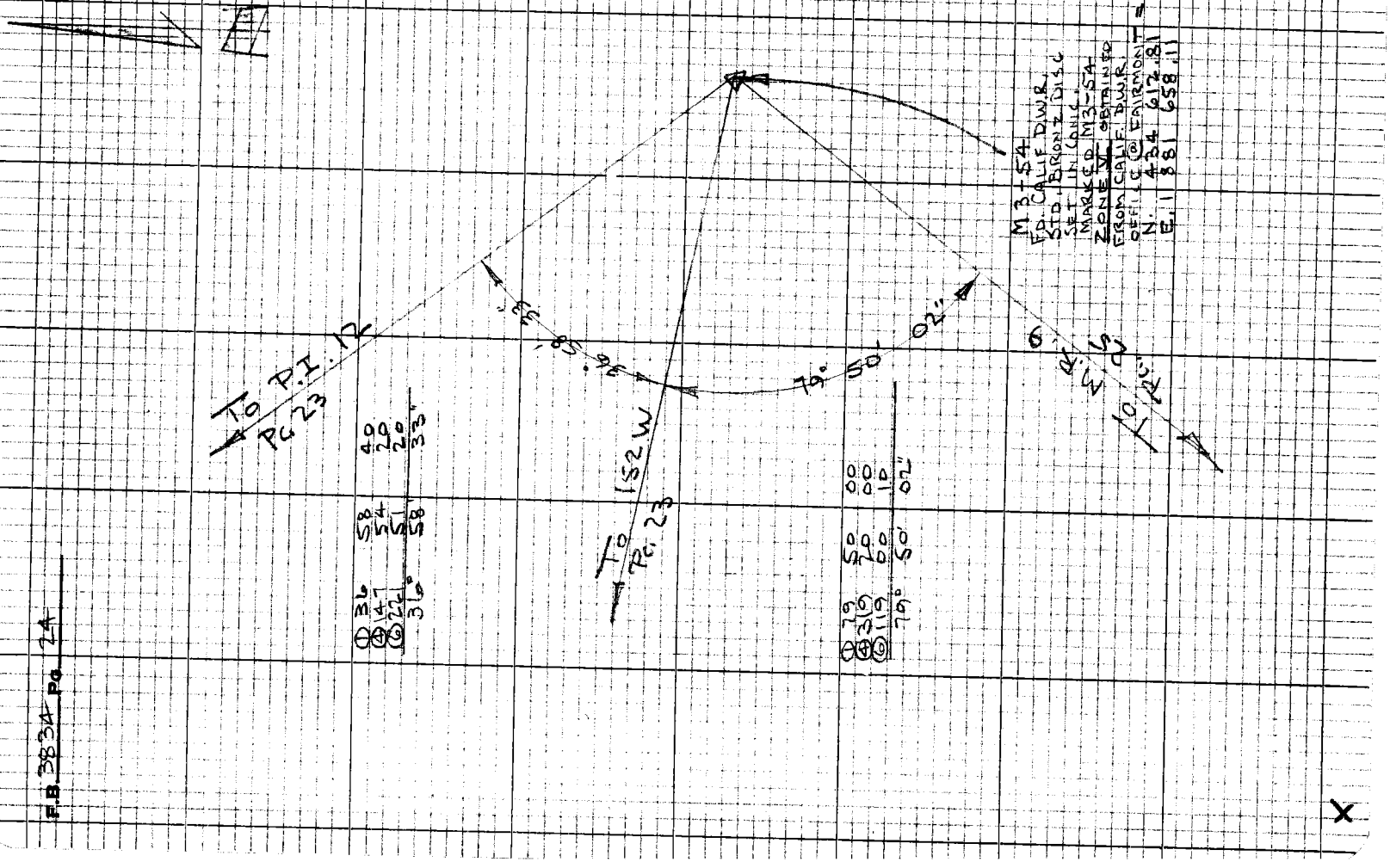


F.B. 2834 Pg. 24

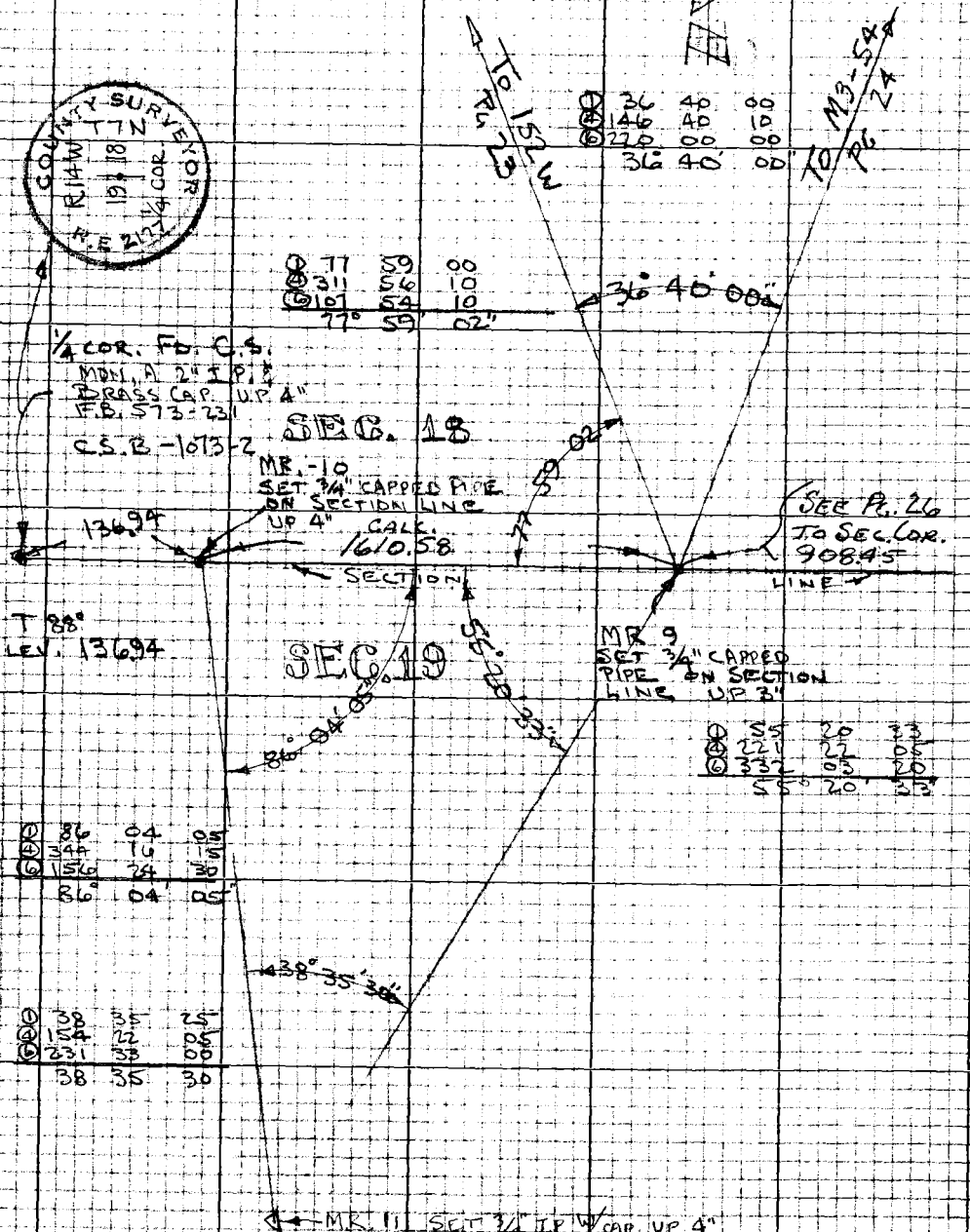
X

Notes Ck'd by	Survey of MUNZ RANCH RD.
Map No.	JN 0097.34 Tape 229 Std 84 °F
Office Work PAW + REH	Surveyed by C. L. WRIGHT
Checked	Notes C.L.W. Date AUG '70
Date 10-1-70	Indexed C. L. GARTY SEP 29 '70

F.B. 3834 Pg. 25

W.S. 72, B-4

T7N
R14W



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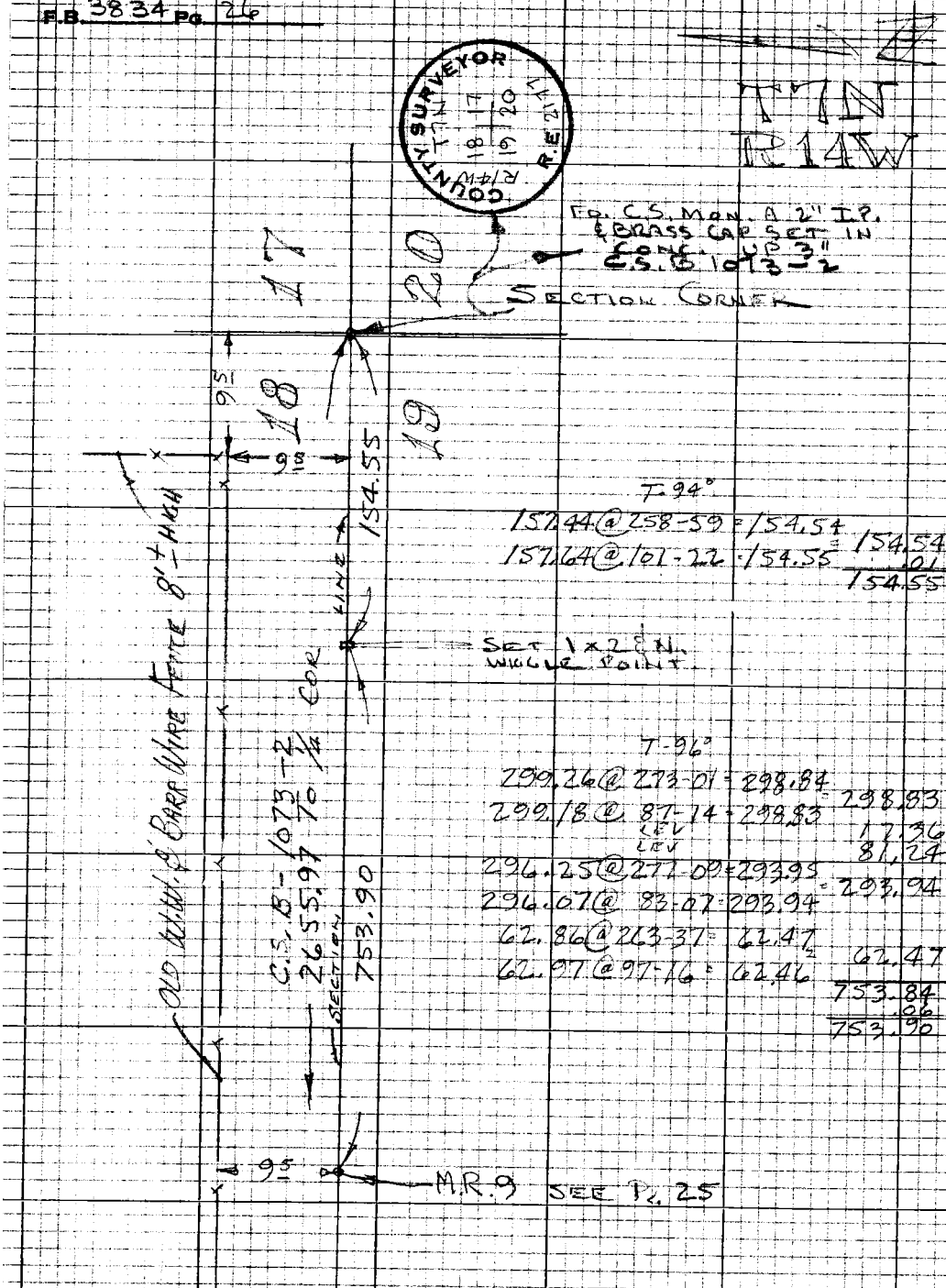
76P3098 CK #310 8-66

F.B. 3834 Pg. 26



T-94°

157.44 @ 258-59 = 154.54
157.64 @ 101-22 = 154.55 = 154.54
.01
154.55

T-96°

299.26 @ 273-01 = 298.84
299.18 @ 87-14 = 298.83 = 298.83
LEV 17.36
LEV 81.24
296.25 @ 277-09 = 293.95
296.07 @ 83-07 = 293.94 = 293.94
62.86 @ 263-37 = 62.47
62.97 @ 97-16 = 62.46 = 62.47
753.84
.06
753.90

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76F309S CE #310 6-62

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TRANSIT AT STATION M3-54 F.B. 3834 PG 24 H.I. 5.2

Sight on	Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+ Difference - Elevation	Adjusted Diff. Elev.
152W	10°	84 31 30 275 25 30 ⊕ 5° 27' 00"	1466.94				
P.I. 12	10°	266 34 10 93 22 50 ⊖ 3° 24' 20"	1189.6				
MR-9	10°	82 39 00 277 17 50 ⊕ 7° 19' 25"	2202.14				
		STATION P.I. 12 F.B. 3834 PG. 23 H.I. 5.3					
152W	10°	76 14 50 283 42 00 ⊕ 13° 43' 35"	882.5				
M3-54	10°	86 06 40 273 50 20 ⊕ 3° 51' 50"	1189.6				

Notes Ck'd by
Map No.
Office Work Paul + REH
Checked
Date 10-1-70

Survey of Munz Ranch Rd.
JN 0097.84 Tape 2 Std °F
Surveyed by C.L. Wright
Notes C.L.W. Date 20-Aug '70
Indexed G.L. GAITY SEP 29 '70

F.B. 3834 PG. 27

X

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TRANSIT AT STATION M.R. 10 F.B. 3834 PG 25 H.I. + 4.45

Sight on	-Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+Difference - Elevation	Adjusted Diff. Elev.
MR 9	10'	89 54 50 270 02 10 ⊕ 0 03 40"	1610.58				
		STATION MR 9 F.B. 3834 PG. 25 H.I. 4.90					
M.R.10	10'	89 39 50 270 17 10 ⊕ 0 18 40"	1610.58				
152 W	10'	93 13 40 266 43 10 ⊖ 3 15 15"	2423.16				
M3-54	10'	262 54 10 97 02 50 ⊖ 7 04 20"	2202.14				
		TRANSIT @ STATION M.R. 11 F.B. 3834 PG. 25 H.I. 4.5					
M.R.9		264 00 00 95 57 00 ⊖ 5 58 30"	2575.98				
MR10		262 50 25 97 06 45 ⊖ 7 08 10"	2123.89				

F.B. 3834 PG. 28

X

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TRANSIT AT STATION M.R.-9 F.B. 3834 PG 25 H.I. 4.4

Sight on	Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+Difference - Elevation	Adjusted Diff. Elev.
MR-11	10°	83 45 40 276° 11' 00" Ⓑ 6 12 40	2575.98				
M.R-10	10°	89 38 40 270 1 09 Ⓐ 0° 19' 42"	1610.58				
TRANSIT @ STATION M.R.-10 F.B. 3834 Pg. 25 H.I. 4.3							
MR-11	10°	82-33-10 277-23-55 Ⓑ 7-25-22	2123.89				
TRANSIT @ STATION 152W F.B. 3834 PG 23 H.I. 4.8							
P.I. 12	10°	103-05-40 256-51-20" Ⓒ 13°-07'-10"	852.5				
M3-54	10°	264-54-30 95-02-30" Ⓒ 5°-04'-00"	1466.94				
MR 9	10°	86-28-50 273-28-10 Ⓐ 3°-29'-40"	2423.16				

Notes Ck'd by
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Office Work
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Date 10-1-70

Survey of
JN
Surveyed by
Notes
Indexed

F.B. 3834 PG. 29

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TRANSIT AT STATION M3-57 F.B. 3834 PG 8 H.I. + 4.9 ELEV. 2951.06 (D.W.R.)

Sight on	Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+Difference - Elevation	Adjusted Diff. Elev.
M3-66	6ft	79- 10 55 280 45 55 ⊕ 10 47 30	626.6				

TRANSIT @ STATION M3-66 F.B. 3834 Pg 8 H.I. 4.8

M3-57	6ft	100 32 40 259 24 00 ⊖ 10 34 20	626.6				

TRANSIT AT STATION M.R.2 F.B. 3834 Pg. 11, 14, 22 H.I. 5.8

Sight on	Rod						
M.R.4	10ft	83 10 50 276 46 10 ⊕					

TRANSIT AT STATION

30							

F.B. 3834 Pg 11

X

76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.		
		MUNZ RANCH ROAD - J.N. 0097.34				
		BENCH LEVELS FROM BM 113-4 TO 1/4 SEC				
		COR BETWEEN SECTIONS 16 & 17 AND RETURN				
BM 113-4				2804.193	MUNZ RANCH ROAD, ABOUT 0.10 MILES NORTHERLY FROM ITS INTERSECTION WITH SAN FRANCISQUITO-FAIRMONT ROAD @ A 24" C.M.P. CULVERT, 1 FT. NORTH OF E'LY END OF CULVERT, 20 FT. S.E'LY OF PAVED CENTERLINE OF MUNZ RANCH ROAD, 3 FT. LOWER THAN THE ROAD SURFACE, AN L.A. COUNTY ENGINEER BUTTON TYPE MON. MARKED BM 113-4 PER F.B. 2441-132 (1968 ADJ. = 2804.193)	
	0 421	2804.614				
T.P.			8 851	2795.757		
	1 794	2797.551				
T.P.			9 202	2788.349		
	1 680	2790.029				
T.P.			9 635	2780.394		
	0 787	2781 181				
T.P.			9 775	2771 406		
	2 704	2774 110				
T.P.			10 802	2763 308		
	11 773	2775 081				
T.P.			2 346	2772.735		

X

Profile Notes Red ____ Plotted ____ Job No. 0097.34 Division No. ____
No. ____ Date ____ Date ____ Survey of [illegible]
X-Sec. Notes Chk'd. [illegible] Checked ____ Survey by [illegible] Notes M.R.N. Date [illegible]
No. ____ Date ____ Date ____ Map No. ____ Indexed [illegible] Date SEP 29 70

F.B. 3834 Pg. 31

76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.				2772.735		
	8.838	2781.573				
1/4 COR.			3.702	2777.871	FD STD BRASS CAP MON. MARKED AS SHOWN.	UP 2' ON SIDEHILL
	1.948	2779.813				
T.P.			9.981	2769.8[illegible]		
	5.900	2775.738				
T.P.			0.721	2775.017		
	9.263	2784.280				
T.P.			0.702	2783.578		
	8.238	2791.816				
T.P.			0.430	2791.386		
	8.481	2799.867				
T.P.			1.949	2797.918		
	8.173	2806.091				
BM 113-4			1.903	2804.188	1968 ADJ = 2804.193	SEE PG 33

COUNTY SURVEYOR
T.7N
R 14 W
17 16
1/4 COR
R.E 2177

F. B. 3834 PG. 32
Job No. 0097.34 Division No. Notes Red Plotted Profile
Survey of MUNZ RANCH RD Date Date No.
Survey by C.L. [illegible] Notes M.R. NEVAREZ Notes Chk'd. Checked X-Sec.
Indexed C.J. GALE Date AUG 70 Date Date No.

Notes Ck'd by	Survey of MUNZ RANCH RD	F.B. 3834 Pg. 33
Map No.	JN 0097.34 Tape 10 Std 84 °F	
Office Work	Surveyed by J.S. COATES	
Checked	Notes JSC Date	
Date	Indexed G. J. [illegible] NOV 12 '71	

J.N. 0097.34

MUNZ RANCH RD

PROFIL CHECK
ON
TOPOG MAP # SDF 108-168
SHEET 2 & 4

NOTE — SEE PAGE 42, 43 FOR LOCATION OF LINES

COATES
VAN NESS
ADAMS
BITTEL

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76P3095 CK #310 5-66

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C

LINE A AT POLE # 1 SHEET #2

STATION	H.I.	SLOPE DIST.	VERTICAL ANGLE	ROD	HORT. DIST.	VERT DIST	DIFF ELEV	ELEVATION OF POINT	REMARKS
B.M. 111-32	3304.21			+7.44				3296.77	BM 111-32 Elev 3296.773 FB 2441 - 123
				-0.54		+6.90		3303.67	
	3313.01			+9.34					
LINE A 0+00				-4.2				3308.8	
	0+20			-3.3				09.7	
	0+40			-6.3				06.7	Flow Line
	0+79			-2.3				10.7	Crown
	1+16			-6.5				06.5	Flow Line
	1+27			-1.1				3311.9	Top Cut Bank
XC	1+27	3317.2		+5.3				3311.9	
	1+99		73' + 80°59'00"	-5.3	72.10	+11.44		23.34	Top Bank
	2+45.52		120' + 80°59'10"	"	118.52	+18.80		30.70	Bot Draw
	3+16.77		194' + 81°18'25"	"	191.77	+29.32		41.22	
	3+58.93		264' + 76°42'40"	"	256.93	+60.68		72.58	
	4+17.53		300' + 75°33'45"	"	290.53	+74.80		3386.70	
XC	4+17.53	3391.70		5.0				"	
	4+78.48		63' + 75°21'00"	5.0	60.95	+15.93		3402.63	Top Ridge
	4+96.00		80' + 78°45'40"	"	78.47	+15.67		3402.37	"
XC	4+96.00	3407.17		4.8				"	
	6+01.83		109' - 103°51'35"	4.8	105.83	-26.14		3376.26	
	6+52.68		163' - 106°00'35"	9.0	156.68	-44.96	+49.16	3353.21	Bot draw
	7+91.00		288' - 90°08'25"	4.8	288.00	- 0.71		3401.66	
XC	7+84.00	3406.66		5.0				"	Top ridge
	8+23.99		40' + 88°56'40"	7.0	39.99	+ 0.74	- 1.26	3400.40	
	10+14.00		231' + 85°51'25"	5.0	230.40	+16.69		3418.35	

FB 2534 Pg 34

76P3098 CE #310 E-68

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LINE A

STATION	H.I.	SLOPE DIST	VERTICAL ANGLE	ROD	HORIZ DIST	VERT DIST	DIFF ELEV	ELEVATION OF POINT	REMARKS
X @ 10+14.49	3423.55			5.2				3418.35	
9+10.18		BACK 106'	100°31'30"	7.0	104.22	-19.39	-21.19	3397.16	
9+58.21		BACK 65'	120°11'10"	7.0	56.19	-32.68	-34.48	3383.87	BOT DRAW
10+47.45		AHD. 36.5'	296°21'00"	5.2	32.71	+16.20		3434.55	Top Ridge

LINE B

					AT	POLE #2		SHEET 2	
BM III-32	3305.68			+8.41				3296.773	BM III-32 El 3296.77 FB 244 - 125
TP				-1.10				3304.08	
	3315.18			+11.10					
TP				-1.01				3314.17	
	3325.86			+11.69					
TP				-4.09				3321.77	
	3331.96			+10.19					
TBM #1				-4.62				3327.34	1X1 @ Pole #2
X @ Pole #2 0+26.98	3332.34	27'	37°50'00"	+5.0 -5.0	26.98	+1.02		28.36	
0+41.69		42'	82°02'35"	-5.0	41.60	+5.81		3311.5	
0+98.94		100'	81°39'05"	-5.0	98.74	+14.52		4.186	
1+98.46		201'	88°52'50"	-5.0	198.46	+31.86		59.20	@ bank of Ravine
2+96.34		301'	79°54'15"	-5.0	296.34	+52.76		80.10	{+4' Down 3 to 1 +7' up 1 to 1 Wash}
X @ 2+96.34	3384.90			+4.8				3380.10	
3+40.46		46'	73°33'05"		44.12	+13.03		93.13	
4+05.78		114.5'	72°53'50"	-4.8	109.44	+33.67		3413.77	Toe of Slope
4+80.44		199'	67°41'20"	-4.8	184.10	+75.55		55.65	
5+69.77		300'	65°42'15"	+4.8	273.43	+123.43		3503.53	
X @ 5+69.77	3508.43			+4.9				3503.53	

Notes Ck'd by _____
Map No. _____
Office Work _____
Checked _____
Date _____

Survey of MUNZ RANCH RD
JN 20977 FB Tape 10 8/24/77
Surveyed by JSC Date 5-9-77
Notes
Indexed by J.C. SAND Date MAY 12 78

F.B. 3834
Pg. 35

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F.B. 3534 Pg. 36

STATION	H.I.	SLOPE DIST.	VERTICAL ANGLE	ROD	HORT DIST	VERT DIST	DIFF ELEV.	ELEVATION OF POINT	REMARK
4+14.17		47'	70° 50' 45"	- 4.9	44.40	+ 15.42		3518.95	
6+93.45		129'	73° 28' 55"	- 4.9	123.68	+ 36.68		3540.21	
7+88.03		227'	74° 02' 50"	- 4.9	218.26	+ 62.39		3565.92	E edge Rd
8+10.15		249'	74° 52' 35"	- 6.6	240.38	+ 64.96	+ 63.26	3564.79	W edge Rd.
			LINE	C	AT	POLE #5		SHEET 2	
TBM#1	3336.26			+9.02				3327.24	TBM#1 Elev. 3327.24
TP	3344.42			- 9.45				3335.81	See Page 35
TP	3354.85			+8.61				3342.75	
TP	3365.49			- 1.47				3354.33	
TP	3374.52			+12.10				3364.41	
TP	3384.79			- 0.52				3373.62	
TBM#2	3394.00			+11.16				3383.47	
0+00	3396.35			- 1.08				3391.45	1X2" Ne Base of pole #5
				+10.11					
				- 0.90					
				+11.47					
				- 1.32					
				+10.53					
				- 2.55					
0+53.23		55'	77° 25' 00"	+ 4.9	53.23	+ 13.85		3405.30	
0+96.67		100'	75° 10' 00"	- 4.9	96.67	+ 25.60		3417.05	
1+96.78		200'	72° 32' 00"	- 4.9	190.78	+ 60.09		3451.54	
2+38.15		245'	72° 53' 00"	- 4.9	234.15	+ 72.11		3463.56	Ridge
℄ 2+34.15	3448.46			+ 4.9					
2+47.68		14'	75° 07' 00"	- 4.9	13.53	+ 3.60		3467.16	
2+59.63		26'	78° 29' 00"	- 4.9	25.48	+ 5.19		3468.75	Ravine
3+21.16		90'	75° 11' 00"	- 4.9	87.01	+ 23.02		3486.58	
3+55.43		125'	75° 59' 00"	- 7.0	121.28	+ 30.28	+ 28.18	3491.74	Bot Ravine
4+14.92		190'	72° 04' 00"	- 4.9	180.77	+ 58.50		3522.06	"
4+93.18		271'	69° 15' 00"	- 4.9	259.03	+ 98.14		3561.70	"

79P2098 CK #310 8-66

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Map No.
Office Work Checked
Date

Survey of MAYWOOD RANCH RD.
IN 1967 J. Tapia 12 Sta 3+34.3
Surveyed by J.S.C. 1/5/67
Notes
Indexed S. L. BALL Dep. 5-4-71

F.B. 38334 Pg. 37

STATION	H.I.	SLOPE DIST.	VERTICAL ANGLE	ROD	HORT DIST	VERT DIST.	DIFF. ELEV.	ELEVATION OF POINT	REMARKS
5+14.41		300'	69°06'00"	+4.9	280.26	+107.02		3570.58	
∡ @ 5+14.41	3575.38			+4.8					
5+83.42		22'	59°41'00"	+4.8	19.01	+11.07		3581.65	Top of fill
5+79.31		22'	68°00'00"	+4.8	64.90	+26.22		3596.80	
∡ @ 5+79.31	3601.80			+5.0					
6+76.23		102'	75°44'30"	-5.0	96.92	+24.64		3621.44	
7+64.55		130'	77°09'30"	-5.0	185.24	+42.26		3639.06	
∡ @ 7+64.55	3644.26			+5.2					
8+44.27		86'	86°02'00"	-5.2	79.82	+5.37		3644.43	

LINE D — 560' S.W. ly B.M. 113-1 — SHEET 4

BM113-1	3245.60							3238.649	BM113-1 Elev. 3238.649
TP	3256.36			+11.95				3244.65	Sta. 2+41 - 123
TP	3267.35			-0.95				3255.71	
TP	3277.84			+11.71				3266.87	
TBM*3	3274.51			-0.65					
				+11.64				3277.78	
				-0.48					
				+0.57					
				-8.06					
				+2.73				3269.71	
				-4.8					
∡ @ 0+00 = 560' S.W. ly of BM113-1 going E&W	3274.51	15'	112°09'00"	-4.8	13.89	-5.66		3264.05	Toe of fill
0+50.25		51'	39°51'00"	-4.8	50.25	-8.72		3260.99	Bot. wash
1+36.82		137'	92°58'00"	-4.8	136.82	-7.09		3262.62	Toe of fill
∡ @ 1+36.82				-4.8					
2+26.24		100'	63°24'30"	-4.8	89.42	+44.78		3307.40	
3+13.03		200'	61°46'00"	-4.8	176.21	+94.61		3357.23	
3+71.19		270'	60°14'00"	-12.0	234.37	+134.05	+126.85	3389.47	
4+10.80		313'	61°05'00"	-12.0	273.98	+151.35	+144.15	3406.77	

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LINE E 560' S'LY OF BM 113-1

STATION	H.I.	SLOPE DIST	VERTICAL ANGLE	ROD	HORT. DIST.	VERT DIST	DIFF ELEV.	ELEVATION	REMARK
⊼ @ 0+00 = 560' S'LY BM113-1 going W'LY	3274.6			+4.9				3269.7	
0+38		38'	0° 0' 0"	-4.75	3.8	-4.75		3269.86	Toe of cut bank
0+64.99		70'	68° 11' 00"	-4.9	64.99	+26.01		3295.72	Top of cut bank
1+72.68		196'	61° 46' 00"	-4.9	172.68	+92.72		3362.43	
⊼ @ 1+72.68	3367.43			+5.0					
2+70.10		102'	73° 57' 00"	-12.0	98.02	+28.20	+21.20	3383.63	
3+12.04		144'	75° 25' 00"	-5.0	139.36	+36.26		3398.69	
3+84.83		223'	72° 03' 00"	-5.0	212.15	+68.73		3431.16	
4+25.29		267'	71° 14' 00"	-5.0	252.81	+85.90		3448.33	
									plus 30' & 5' higher to top of ridge

LINE F AT POLE #294549E

STATION	H.I.	SLOPE DIST	VERTICAL ANGLE	ROD	HORT. DIST.	VERT DIST	DIFF ELEV.	ELEVATION	REMARK
BM113-1	3236.10			+2.45				3233.65	BM113-1 Elev. 3233.649
TP				-10.98				3225.12	
	3225.24			+0.12					
TP				-11.46				3213.78	
	3214.59			+0.81					
TP				-10.48				3204.11	
	3205.44			+1.33					
TP				-9.94				3195.50	
	3196.57			+1.07					
TP				-8.91				3187.66	
	3189.85			+2.19					
TBM# 4				-6.65				3183.20	1X1 2' NW'LY PP #294549E
⊼ @ 0+00	3188.0			+4.8					
0+42		42'	0° 0' 00"	-6.05				3181.95	Top RAVINE
0+47.87		48'	94° 15' 00"	-4.8	47.87	-3.56		3179.64	Bot. RAVINE
0+50.94		51'	92° 48' 00"	-4.8	50.94	-2.49		3180.71	Top RAVINE
1+02.00		102'	Level	-3.65				3179.55	Toe of Slop
1+94.17		200'	76° 08' 00"	-4.8	194.17	+47.93		3231.13	
2+79.07		298'	69° 28' 00"	-4.8	279.07	+104.52		3287.72	
3+11.64		334'	68° 55' 00"	-6.0	311.64	+120.15	118.95	3302.15	

F.B. 3834 Pg. 38

76P3055 CK #310 5-66

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Notes Ckd by _____
Map No. _____
Office Work _____
Checked _____
Date _____

Survey of Munz Ranch Rd
JN 2081134 Tape ID Std. 84°W
Surveyed by JSC Date 5-74
Notes
Indexed ✓ ✓ CALL MM 12 71

F.B. 3834 Pg. 39

STATION	H.I.	SLOPE DIST	VERTICAL ANGLE	ROD	HORIZ DIST	VERT DIST	DIFF ELEV	ELEVATION	REMARKS
℄ @ 3+11.64				+5.1					
3+32.44		21'	82°03'00"	-5.1	20.80	+ 2.90		3305.05	
3+84.12		75'	75°06'00"	-5.1	72.48	+19.28		3321.43	
4+62.72		157'	74°13'00"	-6.0	151.08	+42.70	+41.80	3343.95	plus 20' up 3'
	LINE	℄	45°	NWly	R/W#	2945	49E		
TBM#4	3185.52			+2.32				3183.20	TBM#4 El. 3183.20 Pg 38
℄ @ 0+00	3185.52			-5.0				3180.52	
0+23.45		24'	77°43'00"	-5.00	23.45	+ 5.11		3185.63	E. edge Rd.
0+56.84		57'	85°41'00"	-5.00	56.84	+ 4.29		3184.81	W. edge Rd
0+69.19		70'	81°18'00"	-5.00	69.19	+10.59		3191.11	Top cut bank
1+23.33		125'	80°37'00"	-5.00	123.33	+20.38		3200.90	
℄ @ 1+23.33	3205.90			+5.00					
2+04.00		82'	79°41'00"	-5.00	80.67	+ 14.45		3215.35	
3+16.22		204'	71°00'00"	-5.00	192.89	+66.42		3267.32	
4+01.56		302'	67°07'00"	-5.00	278.23	+117.43		3318.33	
4+27.98		331'	66°59'00"	-5.00	304.65	+129.42		3330.32	

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FB 3834 Pg 40

Notes Ck'd by	Survey of MUNZ RANCH RD.	F. B. 3834 PG. 41
Map No.	JN 0097-34 Tape 10 Std 8 4 °F	
Office Work	Surveyed by J.S COATES	
Checked	Notes JSC Date 5-6-71	
Date	Indexed S. L. BALIU 12 '71	

J.N. 0097.34
MUNZ RANCH RD.

LOCATION
OF
PROFILE LINE
FOR
AERIAL MAP CHECK
ON
MAP # SDF 108-168
SHEET 2 & 4

COATES
VAN NESS
ADAMS
BITTEL

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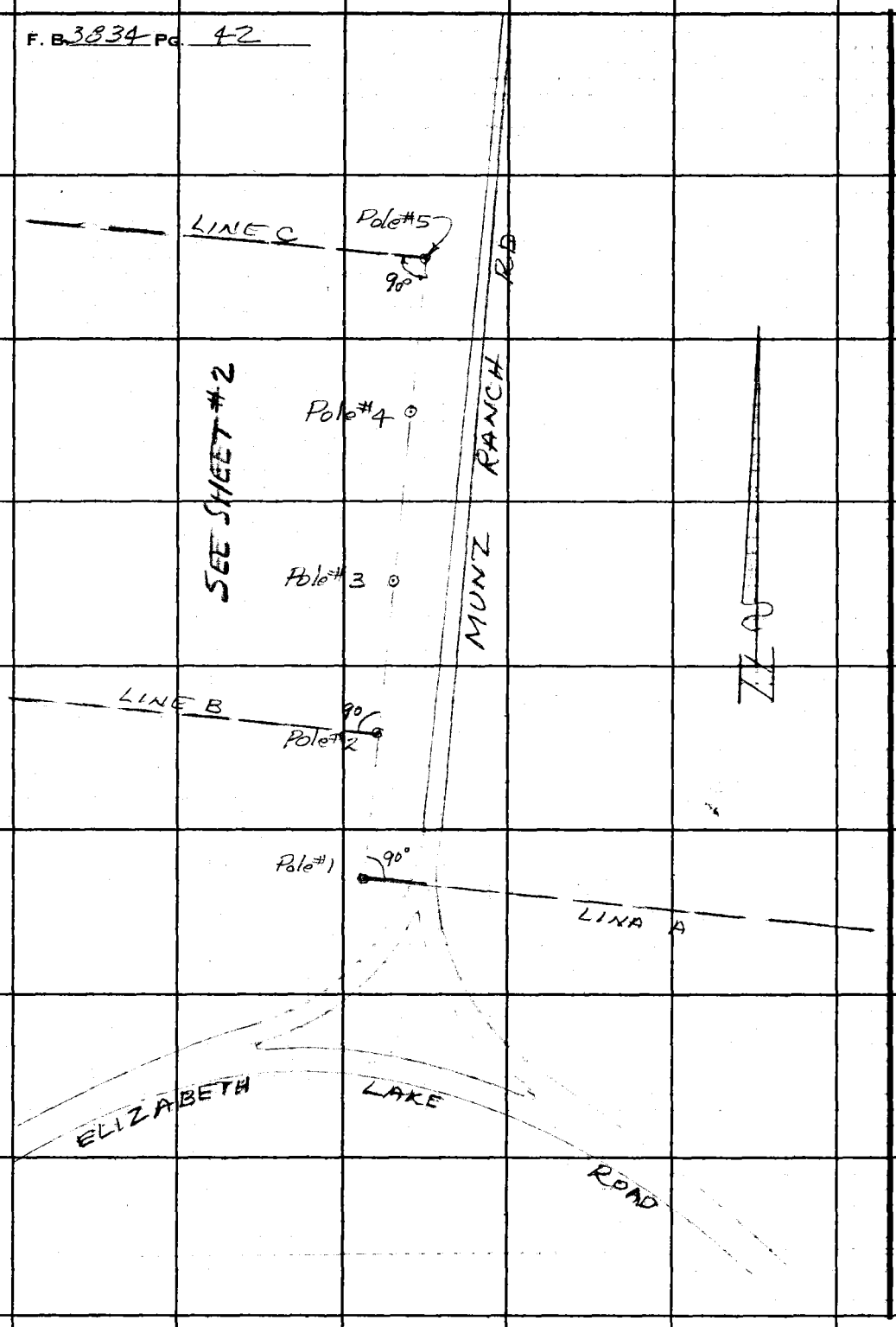
76F3095 CE #310 6-53

F. B. 3834 Pg. 42



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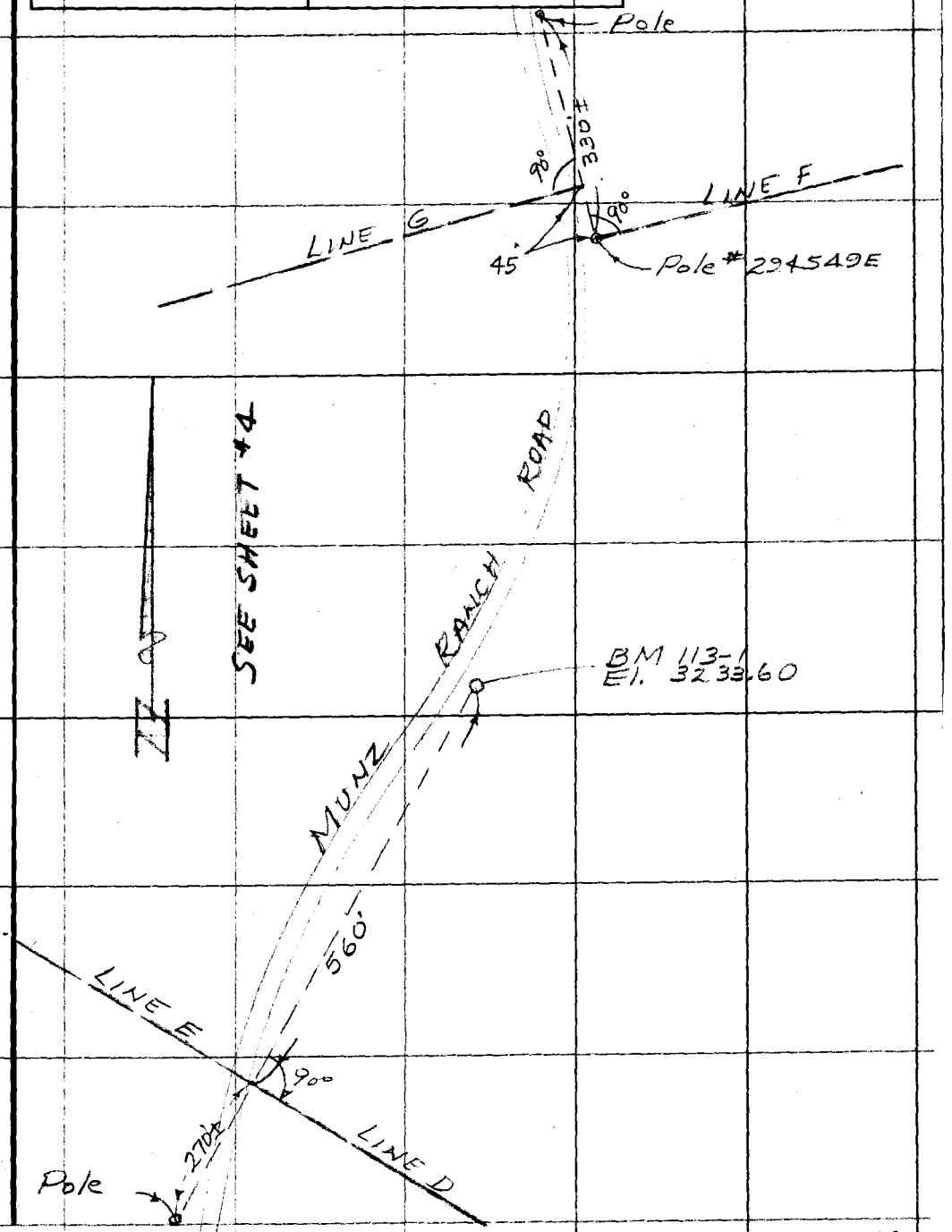
Notes Ck'd by	Survey of MUNZ RANCH RD
Map No.	JN 09734 Tape 10 Std 84 °F
Office Work	Surveyed by JSC DATES
Checked	Notes JSC Date 5-6-71
Date	Indexed G.J. GALLI MAY 12 71

F. B. 3934 Pg. 43



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76F309S CE#310 3-68

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F. B. 3834 PG. 44

ROL - MUNZ RANCH ROAD - J.N. 0097.34 - MARCH 25, 1970

	CODE	YEAR	REFERENCE	ELEVATION OR LATITUDE	DATE OR LONGITUDE	NORTH	EAST
	BM1	68	1847- 73	3279.513		4,354,200. 0	4,170,700. 0
	BM1	68	2437- 43	3286.730		4,353,850. 0	4,171,000. 0
C-39	PCL	65	3178-139	3312.57		4,351,992.72	4,173,076.59
	BM1	68	1847- 70	3332.785		4,352,500. 0	4,173,700. 0
	BM1	68	2437- 42	3329.912		4,352,300. 0	4,173,800. 0
8 SWCR	PCL	68		3330.75		4,352,390. 0	4,173,805. 0
	BM1	68	2437- 45	3305.389		4,355,550. 0	4,166,000. 0
	BM1	68	2437- 45	3305.072		4,355,500. 0	4,166,100. 0
	BM1	68	3723- 97	3296.790		4,355,500. 0	4,167,750. 0
FOUND	BM1	68	2437- 44	3296.773		4,355,800. 0	4,168,250. 0
	BM1	68	2441-129	3233.649		4,358,800. 0	4,169,000. 0
	BM1	68	3724-179	3135.387		4,360,400. 0	4,169,350. 0
OT 12B	PCL	65	CALIF-DWR	34-41-38.0969	118-23-22.0033	4,364,946.14	4,169,823.64
FOUND	BM1	68	2441-130	3069.351		4,361,100. 0	4,170,350. 0
0 N1/4	PCL	65	CALIF-DWR	34-41-17.8403	118-23-06.5865	4,362,897.51	4,171,110.02
PI 14	PCL	65	CALIF-DWR	34-41-17.8403	118-23-06.5865	4,362,897.51	4,171,110.02
	BM1	68	2441-131	2910.582		4,362,950. 0	4,171,550. 0
145 W	PCL	65	CALIF-DWR	34-40-53.8243	118-22-56.0633	4,360,469.06	4,171,987.69
PI 15	PCL	65	CALIF-DWR	34-41-17.2128	118-22-48.9043	4,362,833.36	4,172,586.70
OT 15A	PCL	65	CALIF-DWR	34-41-10.5134	118-22-45.3544	4,362,155.91	4,172,882.86
PI 16	PCL	65	CALIF-DWR	34-41-03.8384	118-22-40.6217	4,361,480.89	4,173,277.82
PI 17	PCL	65	CALIF-DWR	34-40-54.1205	118-22-26.1453	4,360,497.90	4,174,486.46
PI 13	PCL	65	CALIF-DWR	34-41-35.0651	118-23-12.7131	4,364,639.21	4,170,599.28
140 W	PCL	65	CALIF-DWR	34-41-34.6228	118-22-29.3284	4,364,592.80	4,174,222.28
PI 10	PCL	65	CALIF-DWR	34-42-00.8446	118-24-15.8023	4,367,248.74	4,165,332.58
OT 11	PCL	65	CALIF-DWR	34-41-59.2377	118-23-56.0163	4,367,085.18	4,166,984.64
152 W	PCL	65	CALIF-DWR	34-41-40.6953	118-23-54.2987	4,365,210.44	4,167,126.87
PI 12	PCL	65	CALIF-DWR	34-41-46.2777	118-23-46.1745	4,365,774.40	4,167,805.65
OT 12A	PCL	65	CALIF-DWR	34-41-42.0335	118-23-33.5083	4,365,344.68	4,168,863.10
LA138	PCL	67	DWR -TRA			4,366,234.23	4,170,492.94
146 W	PCL	65	CALIF-DWR	34-41-50.8411	118-23-13.9966	4,366,234.22	4,170,492.94
	BM1	68	2441-132	2804.193		4,365,400. 0	4,172,200. 0
	BM1	68	2441-133	2739.395		4,366,800. 0	4,173,700. 0
LA138	PCL	67	CDH7 -TRA			4,368,270.99	4,173,722.88

768261—CE 317— Cdb 2-67

CARD 1 OF 1 CARDS

BENCH MARK

SURVEY DIVISION — DEPARTMENT OF COUNTY ENGINEER — LOS ANGELES, CAL. 90012

BENCH MARK NO. 113-5

REFERENCE: F.B. 2441 PG. 133

OTHER DESIGNATIONS USFS BOUNDARY POST NO. 80; LACRD BL 1318

VICINITY Lancaster, 13.3 miles westerly of Post Office

TYPE OF MARK U.S. Forest Service brass cap

STAMPING ADDED TO MARK RESERVE BOUNDARY POST NO. 80, 1905

DESCRIPTION: Munz Ranch Road, about 2.5 miles northerly from its junction with Elizabeth Lake Road at a power line crossing, 32.8 feet west of the center of Munz Ranch Road, 6.7 feet north of Power Pole No. 294508E. Set on top of a 3½ inch iron pipe projecting about 18 inches above the ground and about 5.5 feet higher than the pavement on the side of the bank.

4-16-68 The dirt sk has been sawed off and the pipe is still standing. R.C. Bowers.

DATE		ELEVATION
LEVELING	ADJUSTMENT	FEET
1960	1960	2739.060
1960	1965	2738.994
1967	1968	2739.395

ELEVATIONS SHOWN HEREON WERE ESTABLISHED BY FIRST ORDER METHODS AND ARE BASED ON THE USC&GS SEA LEVEL DATUM OF 1929 AS ESTABLISHED BY THE USC&GS AT LOS ANGELES OUTER HARBOR. FOR FURTHER INFORMATION REGARDING THE ABOVE DATA CONTACT THE GEODETIC CONTROL SECTION OF THE SURVEY DIVISION.

768261—CE 317— Cdb 2-67

CARD 1 OF 1 CARDS

BENCH MARK

SURVEY DIVISION — DEPARTMENT OF COUNTY ENGINEER — LOS ANGELES, CAL. 90012

BENCH MARK NO. 113-4

REFERENCE: F.B. 2441 PG. 132

OTHER DESIGNATIONS LACRD BL 1319

VICINITY Lancaster, 13.5 miles westerly of Post Office

TYPE OF MARK L.A. County Engineer brass cap

STAMPING ADDED TO MARK BM 113-4 1960 5869

DESCRIPTION: Munz Ranch Road, about 2.1 miles northerly from its junction with Elizabeth Lake Road, 0.1 miles easterly of a dirt road leading to the north, 30.0 feet southerly of the center of Munz Ranch Road, 12.0 feet southerly of a yellow highway "DIP" sign. Set in the top of a 12 inch concrete post projecting about 6 inches above the ground, and about 3.5 feet lower than road grade. A marker post is 2.0 feet to the north.

Recovered - Date Jan 1969

DATE		ELEVATION
LEVELING	ADJUSTMENT	FEET
1960	1960	2803.856
1960	1965	2803.796
1967	1968	2804.193

ELEVATIONS SHOWN HEREON WERE ESTABLISHED BY FIRST ORDER METHODS AND ARE BASED ON THE USC&GS SEA LEVEL DATUM OF 1929 AS ESTABLISHED BY THE USC&GS AT LOS ANGELES OUTER HARBOR. FOR FURTHER INFORMATION REGARDING THE ABOVE DATA CONTACT THE GEODETIC CONTROL SECTION OF THE SURVEY DIVISION.

768261—CE 317— Cdb 2-67

CARD 1 OF 1 CARDS

BENCH MARK

SURVEY DIVISION — DEPARTMENT OF COUNTY ENGINEER — LOS ANGELES, CAL. 90012

BENCH MARK NO. 111-32A

REFERENCE: F.B. 3723 PG. 97

OTHER DESIGNATIONS USC&GS U-975

VICINITY Palmdale, 17.0 miles west-northwesterly of SPRR Station

TYPE OF MARK U.S. Coast and Geodetic Survey bench mark disk

STAMPING ADDED TO MARK U-975 1964

DESCRIPTION: Elizabeth Lake Road, about 300 feet westerly of Munz Ranch Road, 22.5 feet northerly of the center of Elizabeth Lake Road, 45.0 feet north of Power Pole No. 1184017E. Set vertically in the face of road cut on a rock outcrop, 3 feet above the road grade.

DATE		ELEVATION
LEVELING	ADJUSTMENT	FEET
1967-68	1968	3296.790

ELEVATIONS SHOWN HEREON WERE ESTABLISHED BY FIRST ORDER METHODS AND ARE BASED ON THE USC&GS SEA LEVEL DATUM OF 1929 AS ESTABLISHED BY THE USC&GS AT LOS ANGELES OUTER HARBOR. FOR FURTHER INFORMATION REGARDING THE ABOVE DATA CONTACT THE GEODETIC CONTROL SECTION OF THE SURVEY DIVISION.

768261—CE 317— Cdb 2-67

CARD 1 OF 1 CARDS

BENCH MARK

SURVEY DIVISION — DEPARTMENT OF COUNTY ENGINEER — LOS ANGELES, CAL. 90012

BENCH MARK NO. 111-33

REFERENCE: F.B. 2437 PG. 45

OTHER DESIGNATIONS LACRD BL 2306', USC&GS 111-33 (LACO)

VICINITY Palmdale, 17.3 miles west-northwesterly of SPRR Station

TYPE OF MARK L.A. County Engineer brass cap

STAMPING ADDED TO MARK BM 111-33 1960 5869

DESCRIPTION: Elizabeth Lake Road, about 0.5 mile westerly of Munz Ranch Road, 34.0 feet north of the center line of Elizabeth Lake Road, 17.0 feet southwesterly of BM 111-33A, 10.0 feet north of Power Pole No. 1698942E. Set in the top of a 12 inch concrete post projecting about 6 inches above the ground.

DATE		ELEVATION
LEVELING	ADJUSTMENT	FEET
1964	1965	3305.119
1967-68	1968	3305.389

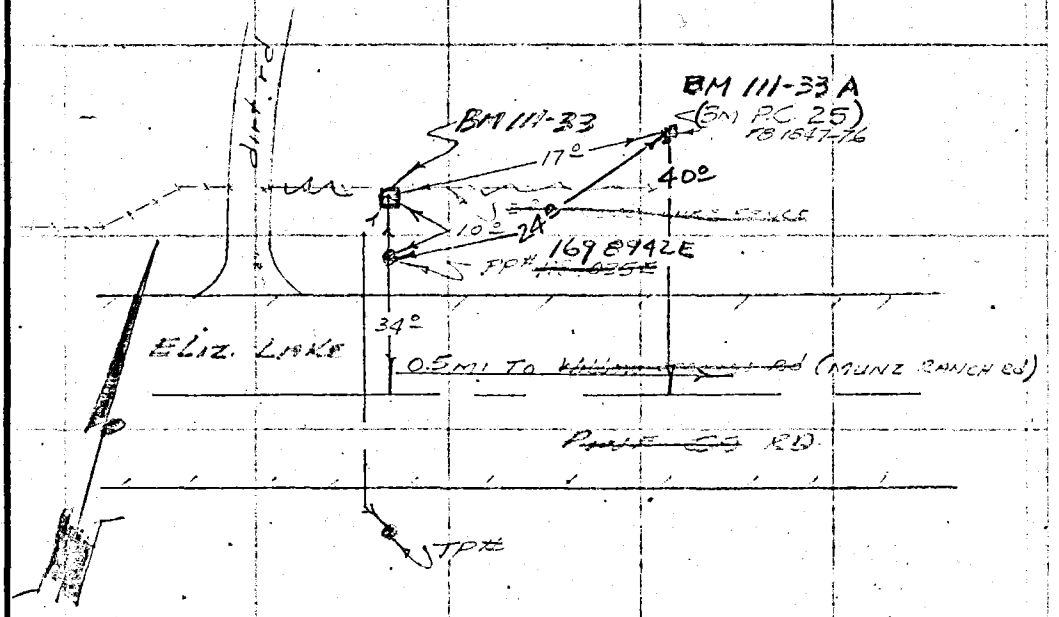
Notes Ck'd by	Survey of L. A. CO. PRECISE LEVEL NET	F. B. 2437 Pg. 15
Map No.	JN [illegible] Tape Std °F	
Office Work	Surveyed by A C Gutierrez	
Checked	Notes ACG Date [illegible]	
Date	Indexed A. C. Johnson	

BM 111-33 BM PC 25

ANTELOPE VALLEY - LAKE HUGHES AREA
ELIZ LAKE ~~PINE CO~~ RD — 0.5 MI W. OF
~~WILLOW SPRINGS RD~~ (MUNZ RANCH RD) 34° N. OF
CTR. OF PAVED RD, 10° N. OF PP# 1164025E & 17°
W'ly FROM BM PC-25 — SET A STD CO ENGR
BM BRASS CAP MON MKD "BM 111-33 1960
RE 5869" IN A 12" CONC POST UP 6" &
2° N. OF A WITNESS POST

B.M. 111-33 A (P.C. 25)

A. L.A. Co. Engr. Button Cap Mon. on a 6" Conc. post, flush
Stamped "B.M. P.C. 25", 17° ft. N.E. of BM 111-33,
40° ft. No. of the center of Rd., & 24° N.E. of
P.P.# 1698942 E.



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76F3098 S&E #247 11-58

Notes Ck'd by	Survey of L.A.C. Precise Level Net
Map No.	JN 02402 Tape Std °F
Office Work	Surveyed by R. C. Bowers
Checked	Notes R.C.B. Date 3/4/67
Date	Indexed C. J. GALLI

F.B. 3723 Pg. 97

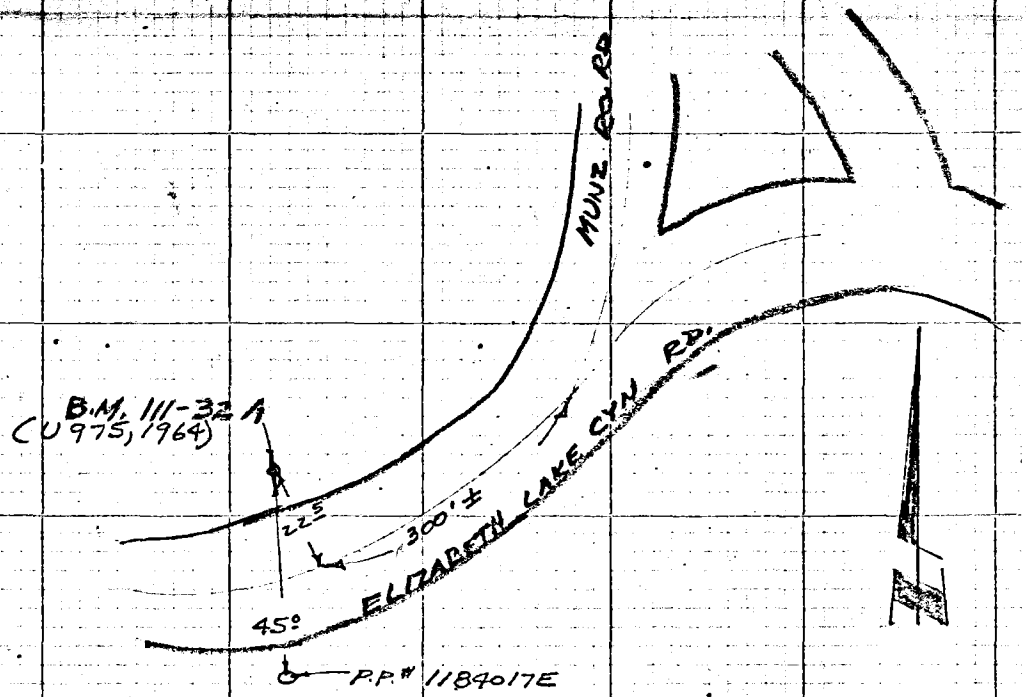
Set

B.M. 111-32A (U-975, 1964)

On Elizabeth Lake Rd, 300'± Westerly of Munz Ranch Rd., 22.5 ft. North of the center of Rd, and 45± ft. North of P.P.# 1184017 E.

A U.S.C & G.S. Br. B.M. disk, set vertically in Conc. on the So. face of the road cut on a rock outcrop, 3 ft higher than the road, stamped "U 975, 1964".

B.M. Desc. O.K., 11/21/67, R.C. Bowers.



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70P3025 CE #310 8-66