...'d by	Survey of	F. B. 3857 Pg.
	JN Tape Std °F	
...ork	Surveyed by	
	Notes Date	
	Indexed	

Job	Description
	CASTAIC RESERVOIR GEN. DEV. AFTERBAY J.N. 0056.12
Index	
Bdry.	Boundary survey vic. of Old Ridge Route & Violin Cn. Rd. in Sec. 24 T.5N.,R.17W. & Sec. 19 T.5N.,R.16W.
Devel.	Shoreline development - Phase I. Information needed by architects.
Index	
B.M.	Elevations on Bdry. Monuments
Topo.	Imp. along Lake Hughes Rd.
26 X-Sec.&	Topo on the above
4 X-Sec.	in Old Ridge Rd.
53 Horiz.	Control for topo.
62 Vert.	Control for topo.
64 B.M.	Bench level control for P.T. Sht. J-51-5
68 topo.	control for P.T. Sht. J-51-5
72	Loc. of culverts crossing Old Ridge Route betw. sta. 55+35 & 75+38
75	Loc. & depth of 10" & 14" ACRO high pressure pipes

P.W. file O.K. April '86

CASTAIC LAKE RECREATION AREA

84 C.L.	Survey for Access Road (Rec. Area) 0056.12
8 B.M.	Bench levels for Access Road

Microfilmed Jan 85

Over

Notes Ck'd by R. HILARIO	Survey of CASTAIC RESV. AFTERBAY F. B. 3857 PG. 5
Map No.	JN 005612 Tape B Std 84 °F
Office Work	Surveyed by J. P. MENNE
Checked	Notes N.E.W. Date 6-71
Date	Indexed [redacted] ALL! AUG 23 '71

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CASTAIC RESERVOIR

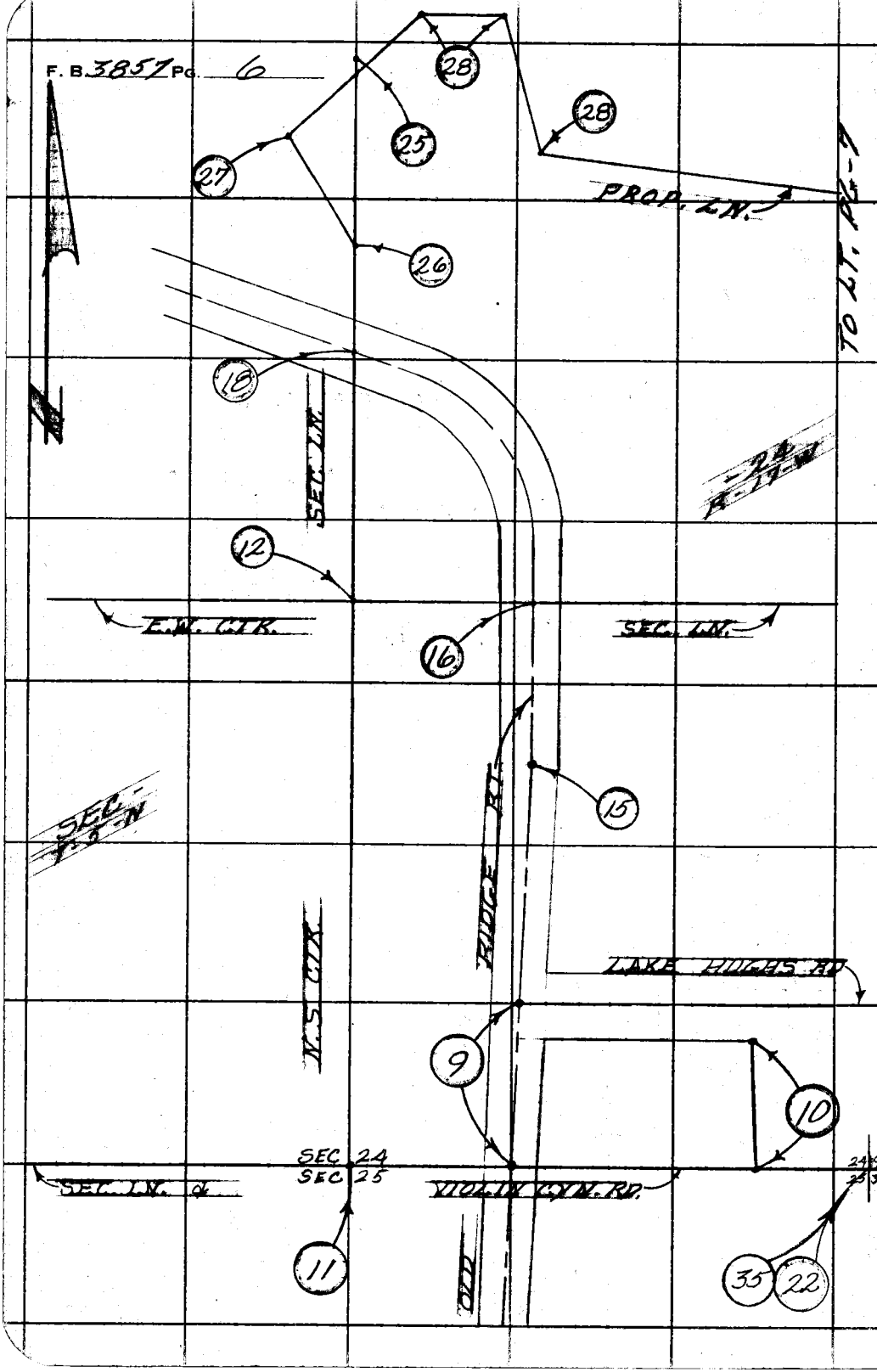
AFTERBAY

J.N. 005612

REF.	PARTY:
F.B. 1484	J. P. MENNE
F.B. 2901	M.E. WACKER
F.B. 1109	J. FALSEY
F.B. 3495	L. MANLEY
RD. DEPT. MAP # 3140-1	J. McDONOUGH
C.S.B. 1226	
WATER RES. MAP # 25-H-1	
F.B. 3454	
METROWATER DIST. MAP # 1600-17	

76F309S CE#310 3-69

F. B. 3857 Pg. 6



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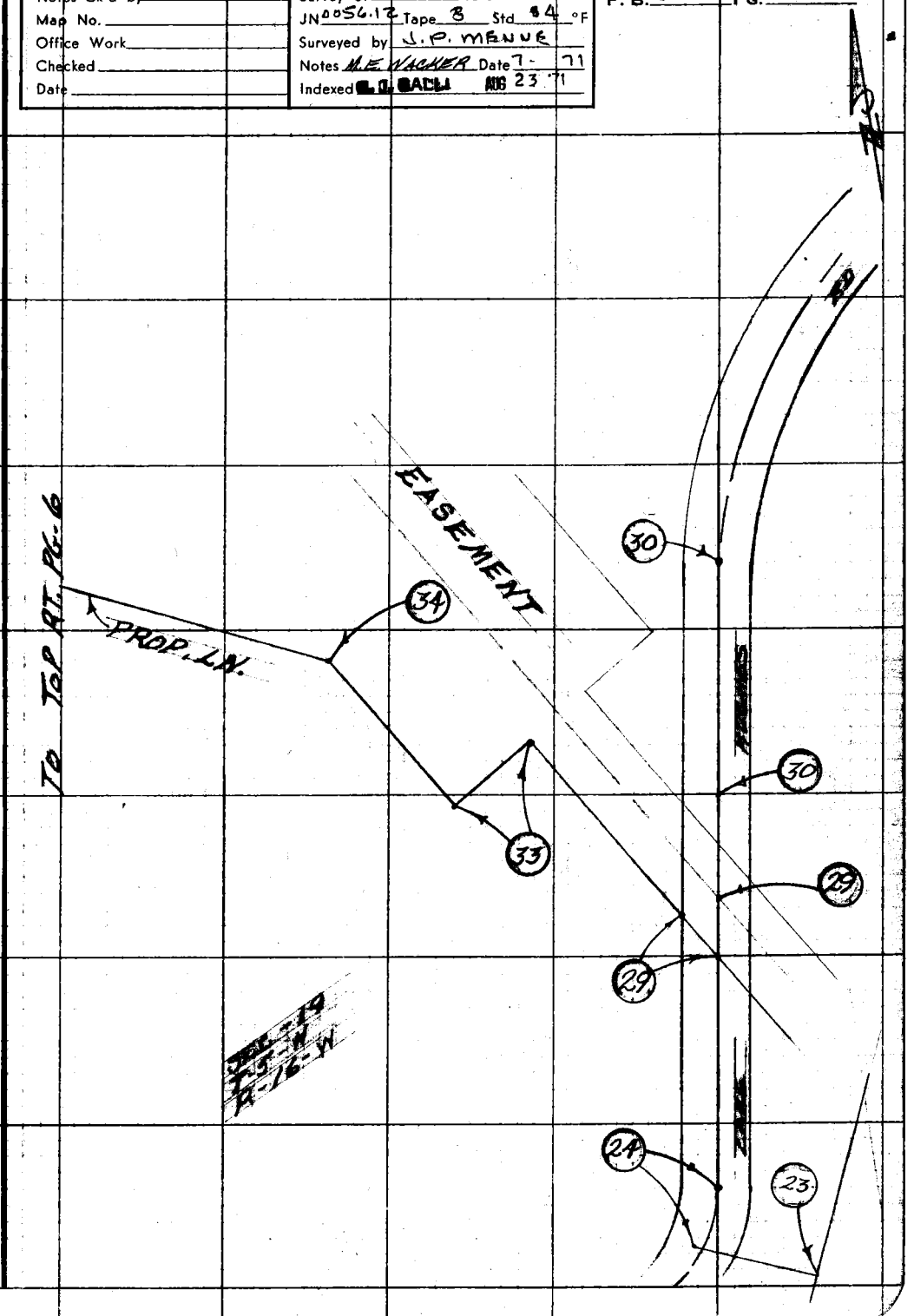
Map No.	JN 0056.12 Tape 8 Std 84 °F
Office Work	Surveyed by J.P. MENNE
Checked	Notes M.E. WACKER Date 7-71
Date	Indexed [redacted] AUG 23 '71

F. B. 3857 PG. 7



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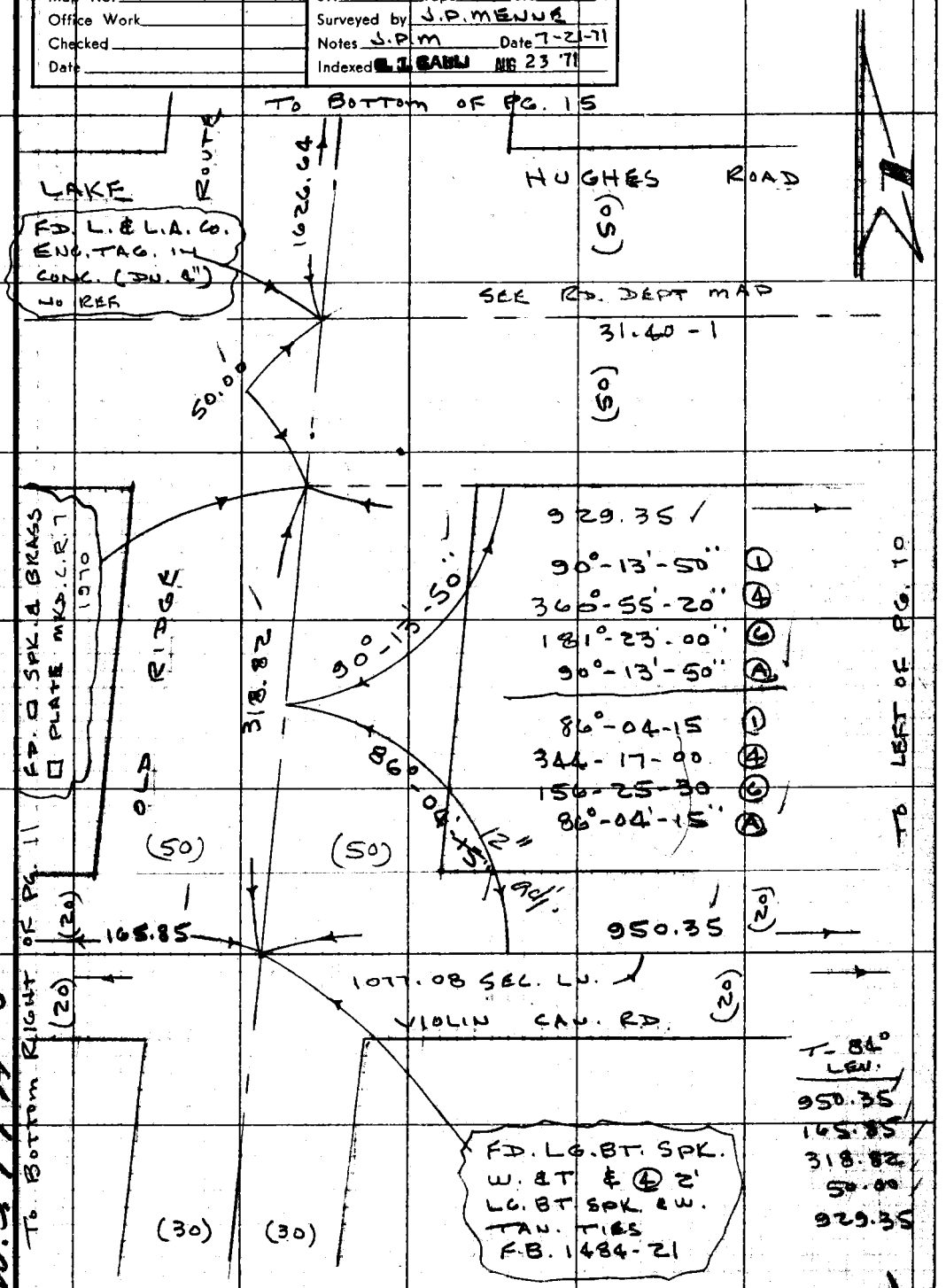
Map No.	JN 005612 Tape Std 84° °F
Office Work	Surveyed by J.P. MENNE
Checked	Notes J.P.M Date 7-21-71
Date	Indexed [illegible] AUG 23 '71



W.577A-5

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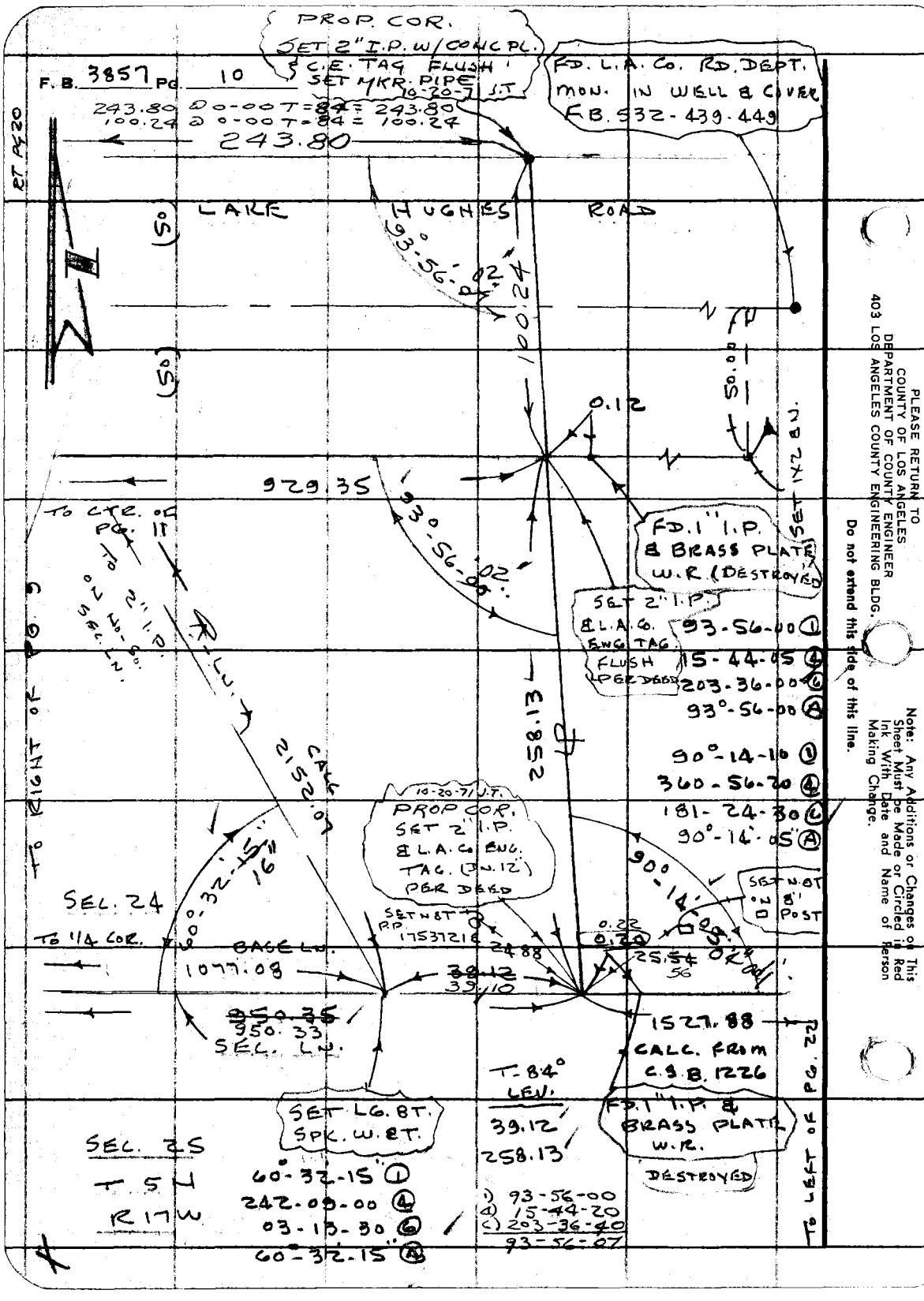
76F309S CE#310 3-69


PROP. COR.
SET 2" I.P. W/ COUNTY PL.
C.E. TAG FLUSH
SET MKR. PIPE
10-20-71 J.T.
FD. L.A. CO. RD. DEPT.
MON. IN WELL & COVER
F.B. 532-439-449
F.B. 3857 Pg. 10
243.80 @ 0-00 T=84 = 243.80
100.24 @ 0-00 T=84 = 100.24
243.80
LAKE HUGHES ROAD
93°-56'-02"
1002.4
50.00
0.12
929.35
93°-56'-02"
FD. 1" I.P. & BRASS PLATE W.R. (DESTROYED)
SET 1x2 B.V.
SET 2" I.P. & L.A.C. ENG. TAG FLUSH (PER DEED)
93-56-00 ①
15-44-05 ④
203-36-00 ⑥
93°-56-00 Ⓐ
90°-14-10 ①
360-56-20 ④
181-24-30 ⑥
90°-14-05 Ⓐ
TO CTR. OF PG. 11
2" I.P. 0.2 LO. 90° SPK. L.W.
L.W.
CALC. 2152.07
1358.52
10-20-71 J.T.
PROP. COR. SET 2" I.P. & L.A.C. ENG. TAG. (J.N. 12) PER DEED
90°-14'-05"
SET N&T 0.2 8' □ POST
SEC. 24
TO 1/4 COR.
0.32'-15" 16
BASE LN.
1077.08
SET N&T RP. 17537216
24.88
0.22
0.20
25.54
56
39.12
39.10
950.35
950.33
SEC. LN.
1527.88
CALC. FROM C.S.B. 1226
T-84° LEN.
39.12
258.13
FD. 1" I.P. & BRASS PLATE W.R.
DESTROYED
SET LG. BT. SPK. W. BT.
SEC. 25
T 5N
R 17W
60°-32-15 ①
242-00-00 ④
03-13-30 ⑥
60-32-15 Ⓐ
① 93-56-00
④ 15-44-20
⑥ 203-36-40
93-56-07
TO RIGHT OF PG. 5
TO LEFT OF PG. 22
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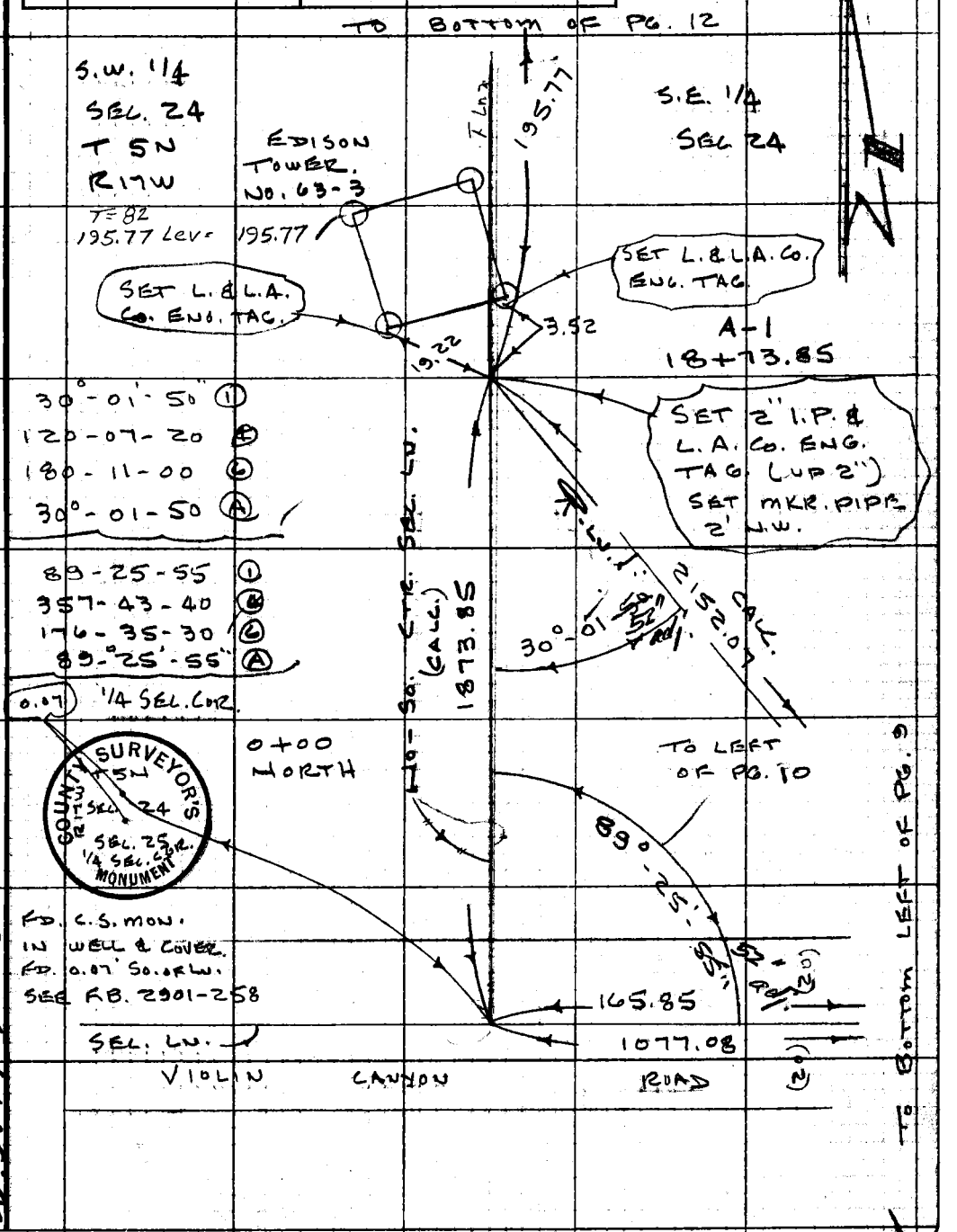
Office Work	Surveyed by J.P. MENUE
Checked	Notes J.P.M. Date 7- 71
Date	Indexed G.O. BALL AUG 23 '71

F.B. 3857 PG. 11



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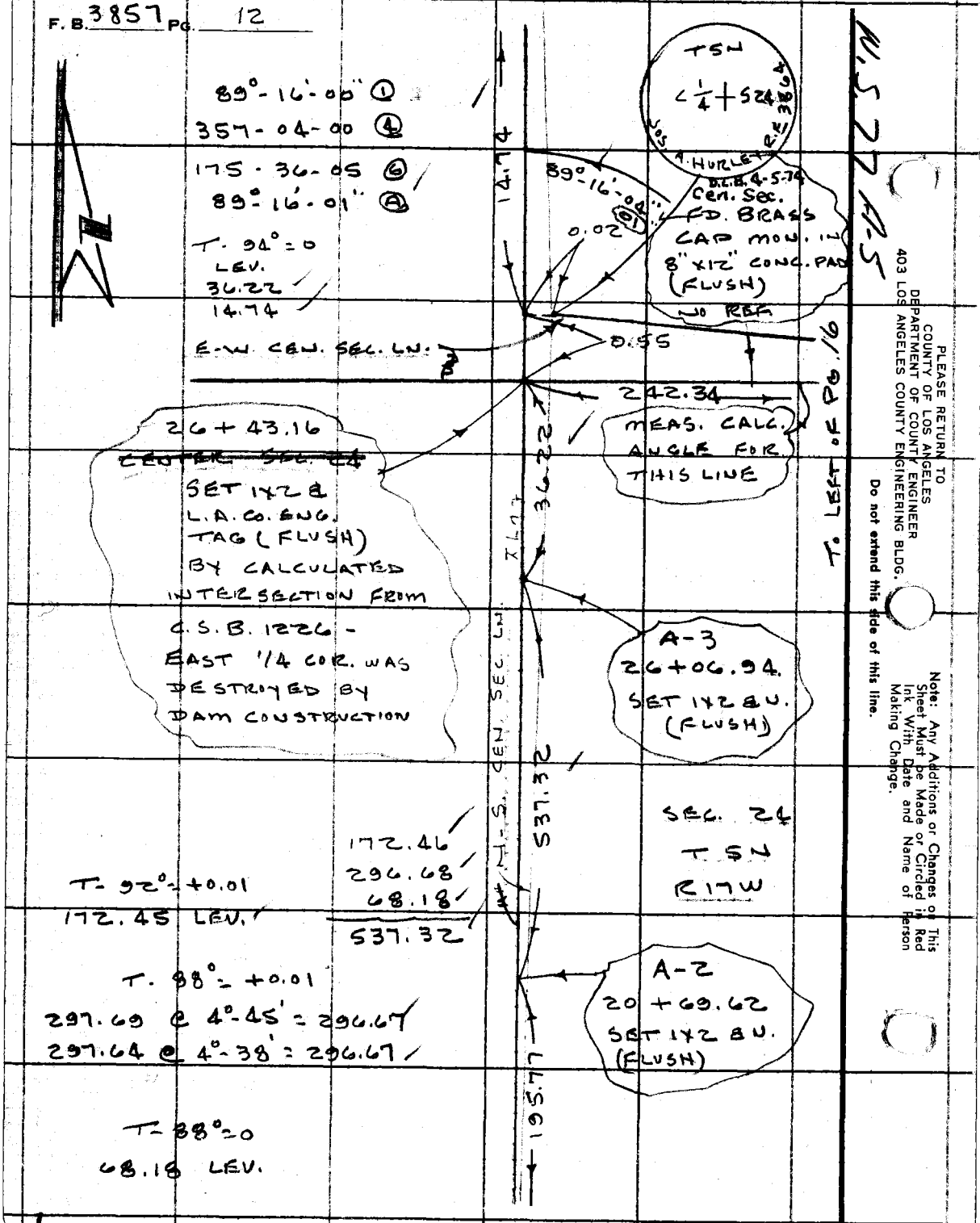
W.S. 77 A-5

76F309S CE#310 3-69

TO BOTTOM OF PG. 13

F. B. 3857 PG. 12



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TO TOP OF PG. 11

CASTAIC

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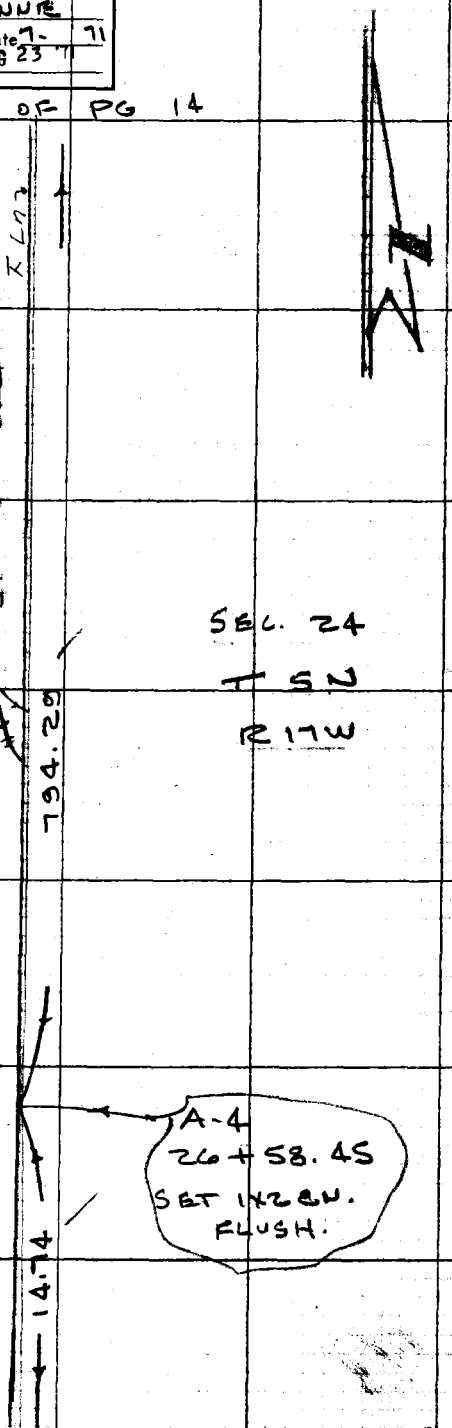
Map No.	JN 005617 Tape Std °F
Office Work	Surveyed by J.P. MENNIE
Checked	Notes J.P.M Date 7- 71
Date	Indexed C.D. BALLI AUG 23 '71

F. B. 3857 PG. 13

TO BOTTOM OF PG 14



34.44
203.17
271.86
136.01
148.81
794.29

SEC. 24
T 5N
R 17W

34.44 LEV. T-96° = 34.44

T-96° = +0.02

203.65 @ 4°-02' = 203.14
203.75 @ 4°-22' = 203.16

T-96° = +0.02

272.87 @ 4°-58' = 271.84
272.83 @ 4°-53' = 271.84

136.00 LEV. T-96 = 136.01

T-94° = +0.01

148.93 @ 2°-25' = 148.80
148.97 @ 2°-46' = 148.80

TO TOP OF PG. 12

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16F309s CE#310 3-69

TO BOTTOM OF PG. 18

F.B. 3857 PG. 14

T-102° = +0.01

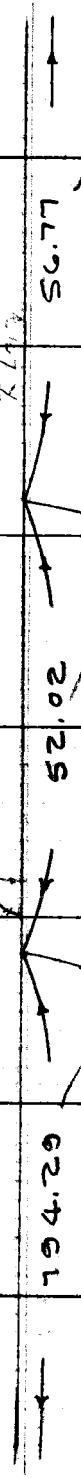
57.70 @ 10°-22' = 56.76

57.65 @ 11°-09' = 56.76

T-102 = +0.01

52.11 @ 3°-34' = 52.01

52.08 @ 2°-55' = 52.01



A-6
35+04.76
SET 1x2 G.N.
(FLUSH)
SIDE HILL

A-5
34+52.74
SET 2" I.P.
& L.A. CO. ENG.
TAG. (UP 2")
ON SPUR.
SET MKR.
PIPE 2'
N.W.

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TO TOP OF PG 13

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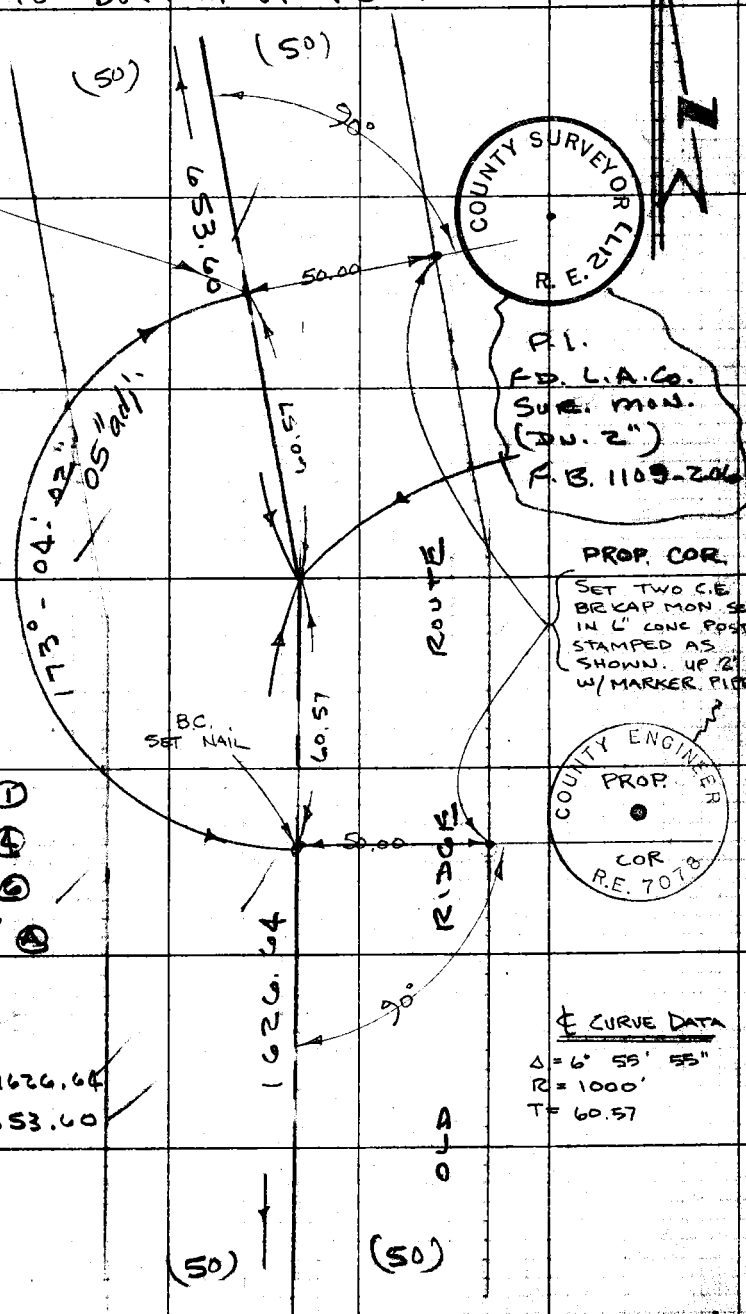
Notes Ck'd by R. HILARIO	Survey of RESERVOIR AFTERBAY
Map No.	JN 0056.12 Tape Std °F
Office Work	Surveyed by J.P. MENNE
Checked	Notes J.P.M Date 7-71
Date	Indexed R.C. GALLI AUG 23 71

F. B. 3857 PG. 15

TO BOTTOM OF PG 16



TO TOP OF PG 9

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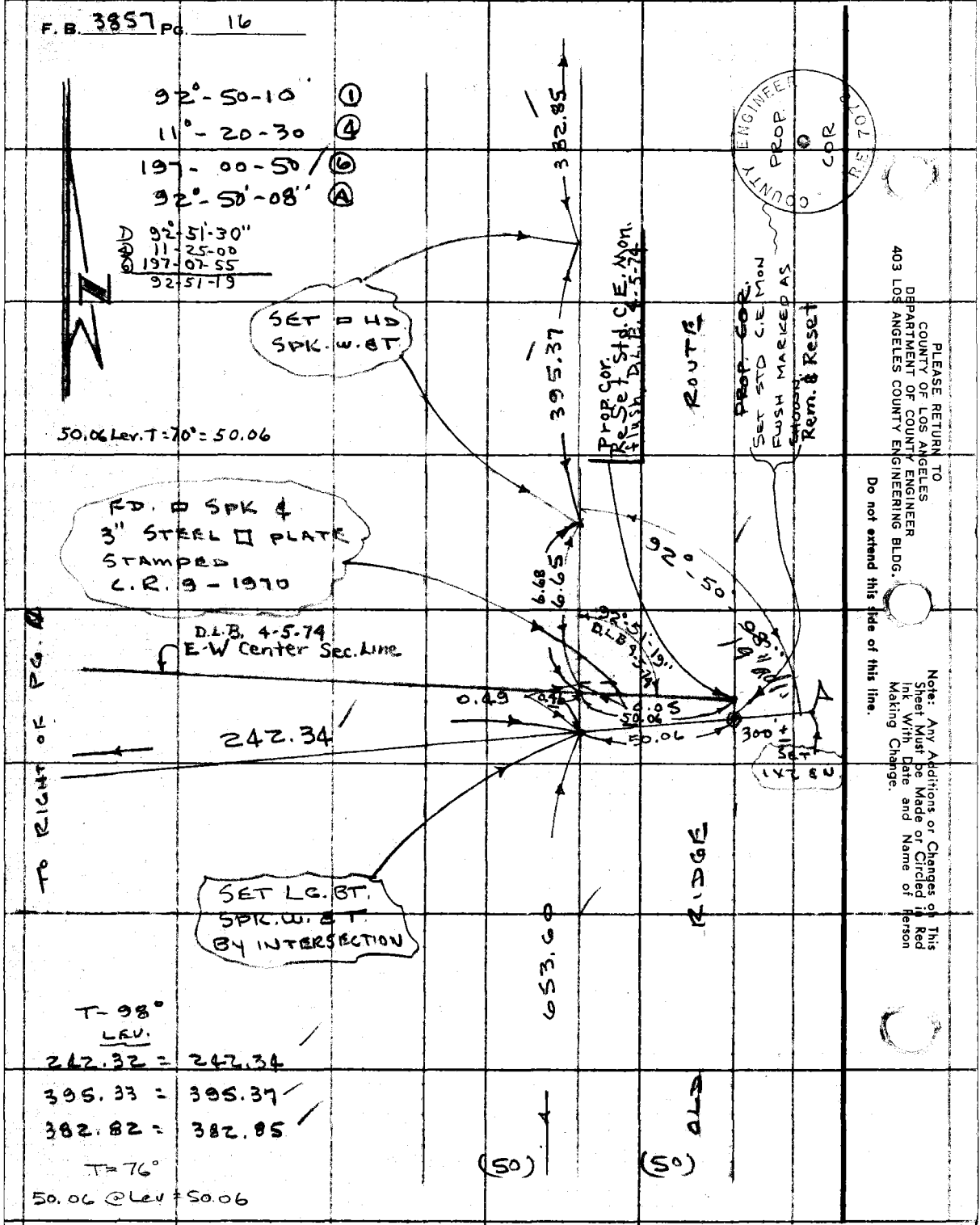
W.S. 77A-5

76F309S CE#310 3-69

TO RIGHT TOP OF PG. 17

F.B. 3857 PG. 16



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TO TOP OF PG. 15

CASTAIC

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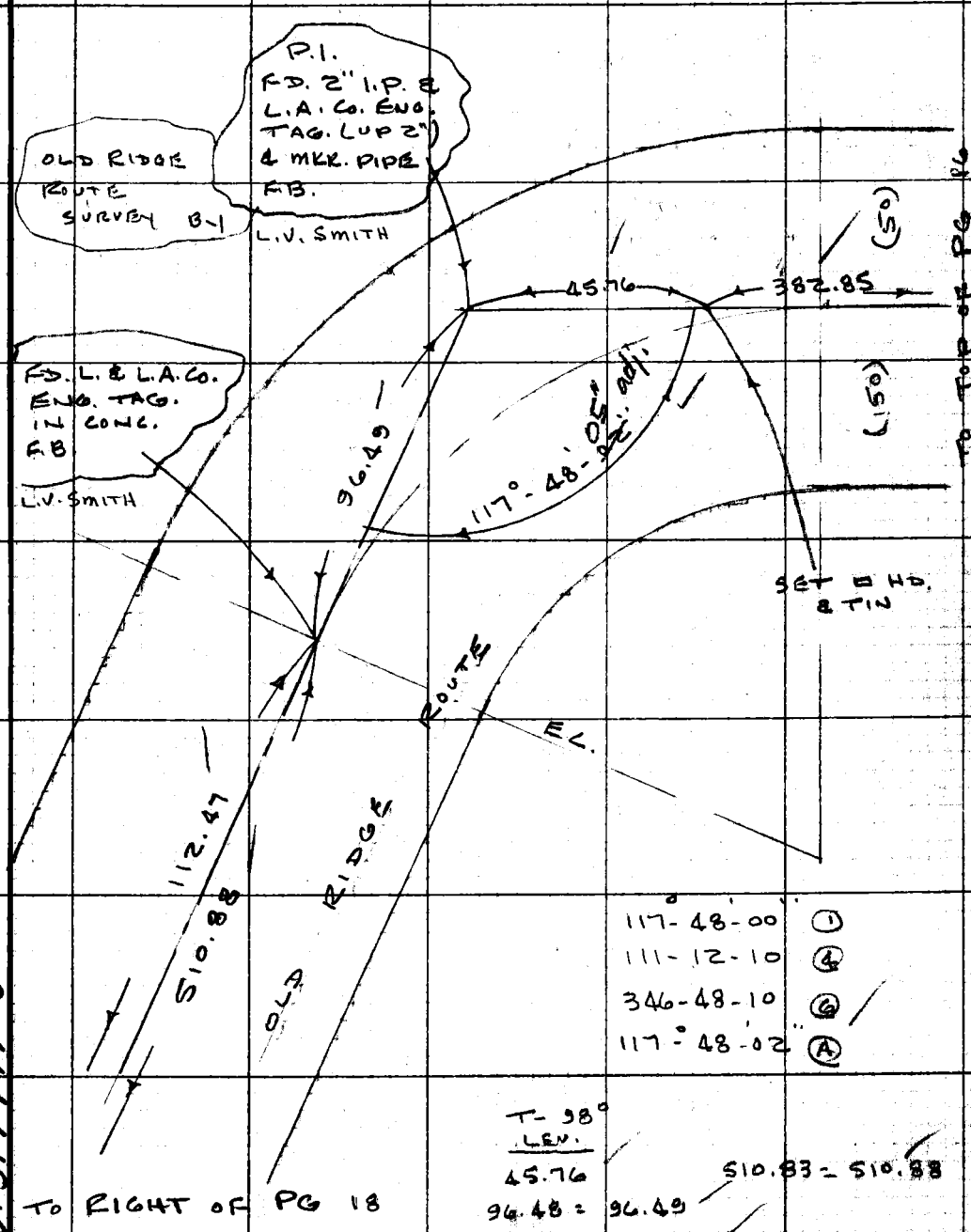
Map No.	JN 0056.12 Tape Std °F
Office Work	Surveyed by J.P. MENNE
Checked	Notes J.P.M Date 7-7-71
Date	Indexed G.L. GALLI AUG 23 '71

F. B. 3857 PG. 17



117°-48'-00" (1)
111-12-10 (4)
346-48-10 (6)
117°-48'-02" (A)

T- 98°
LEV.
45.76
96.48 = 96.49
112.46 = 112.47

510.83 = 510.88

TO RIGHT OF PG 18

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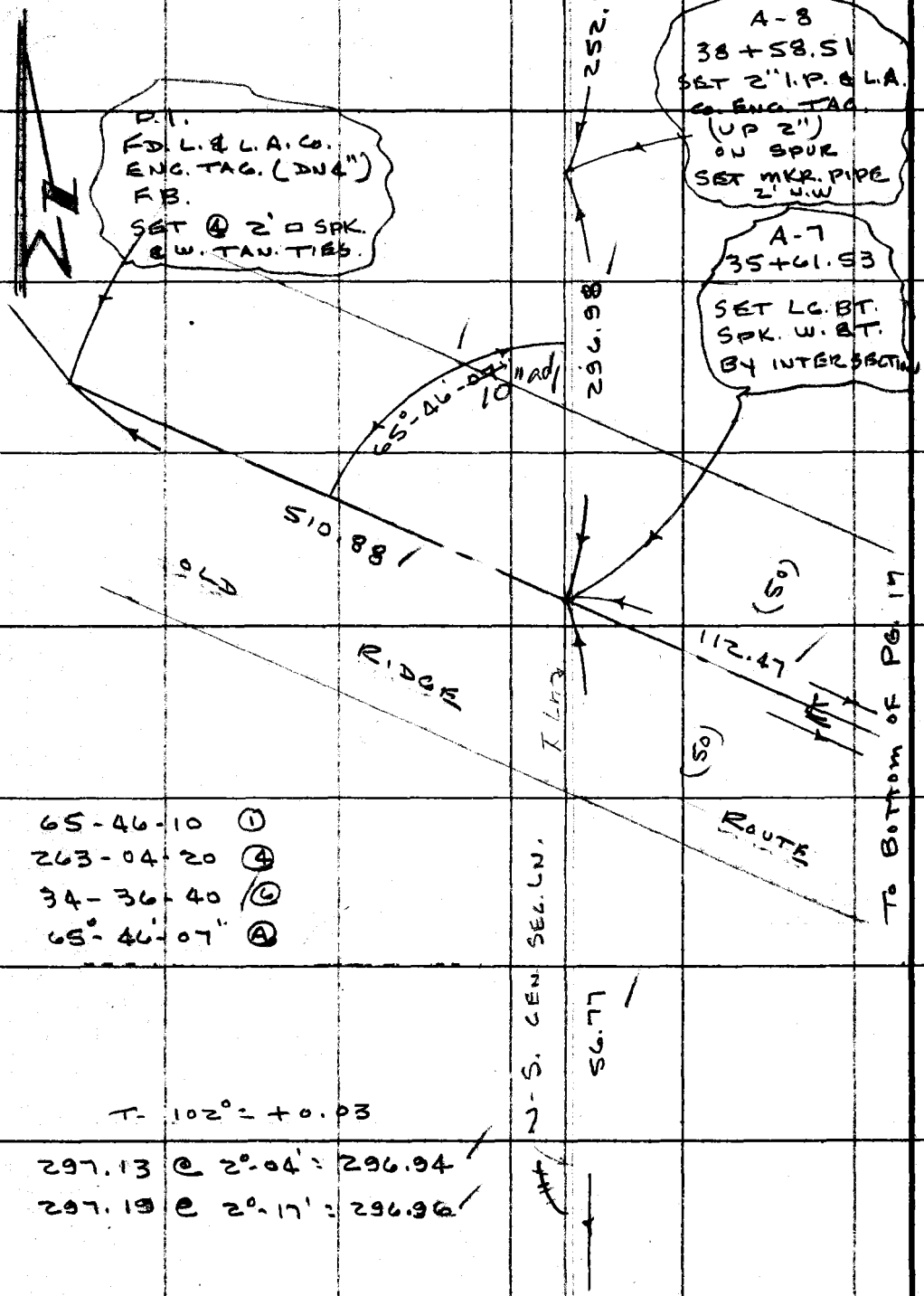
W.S. 77 A-5

76F309S CE#310 3-69

TO BOTT. OF PG. 26

F.B. 3857 PG. 18



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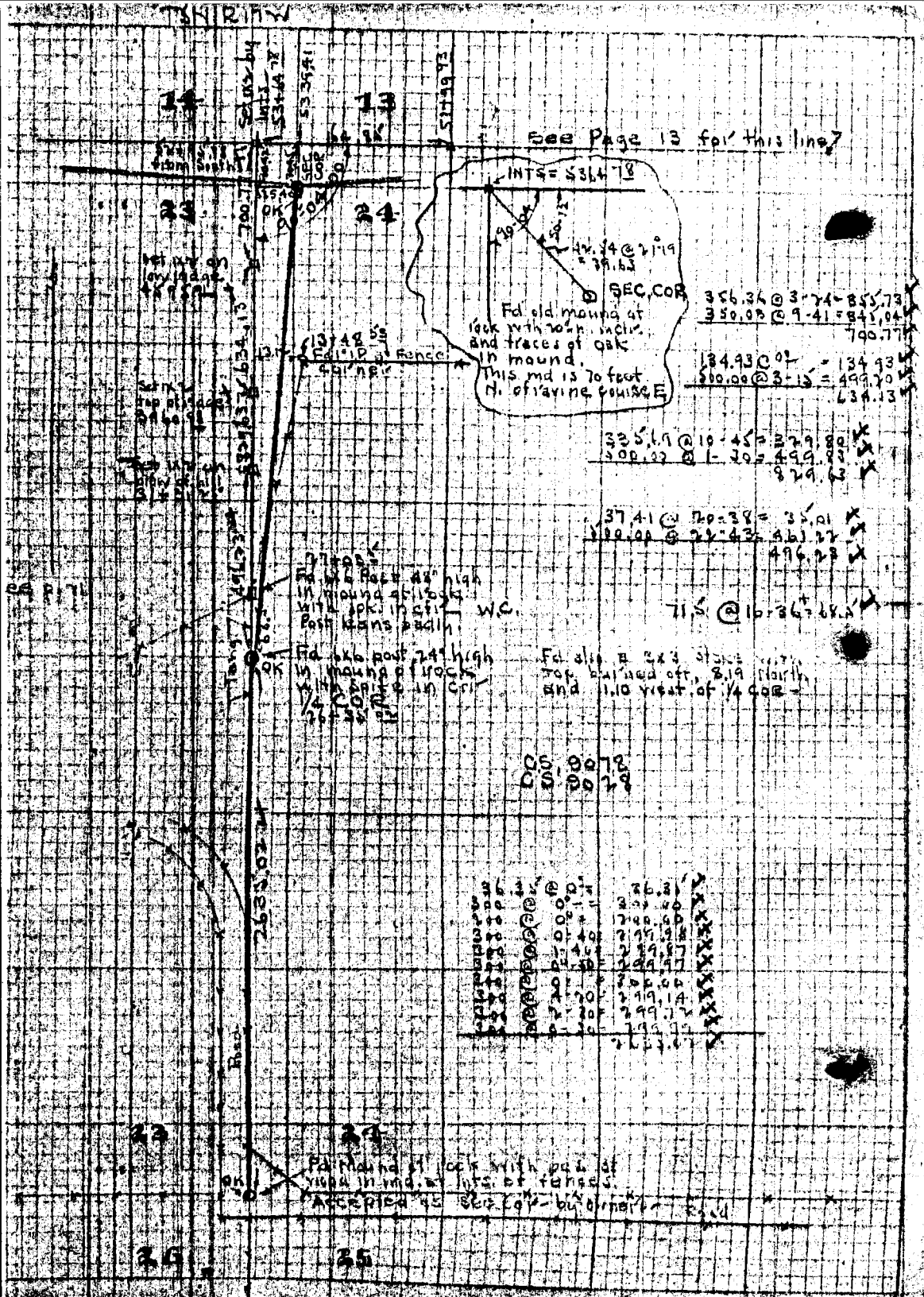
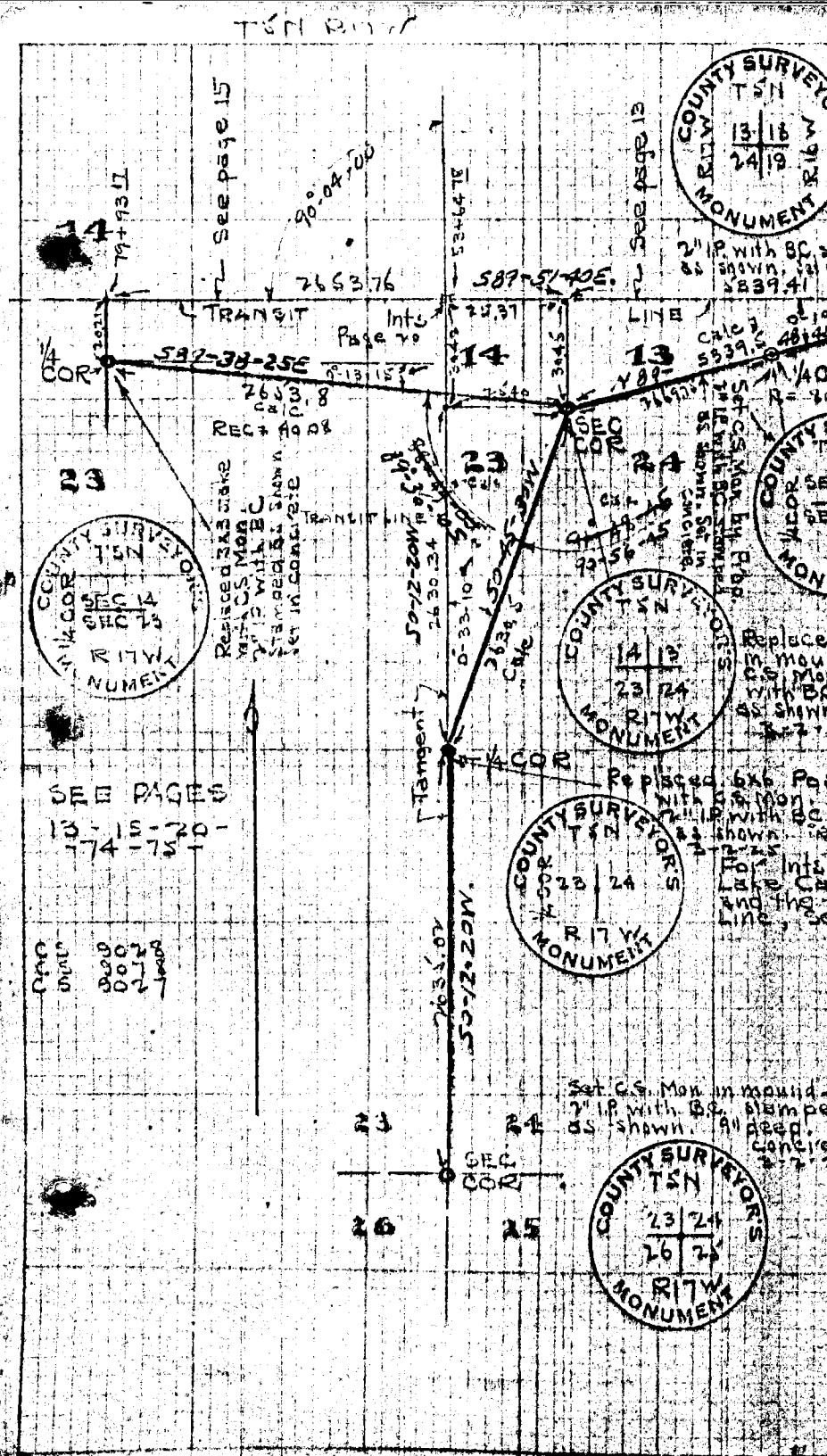
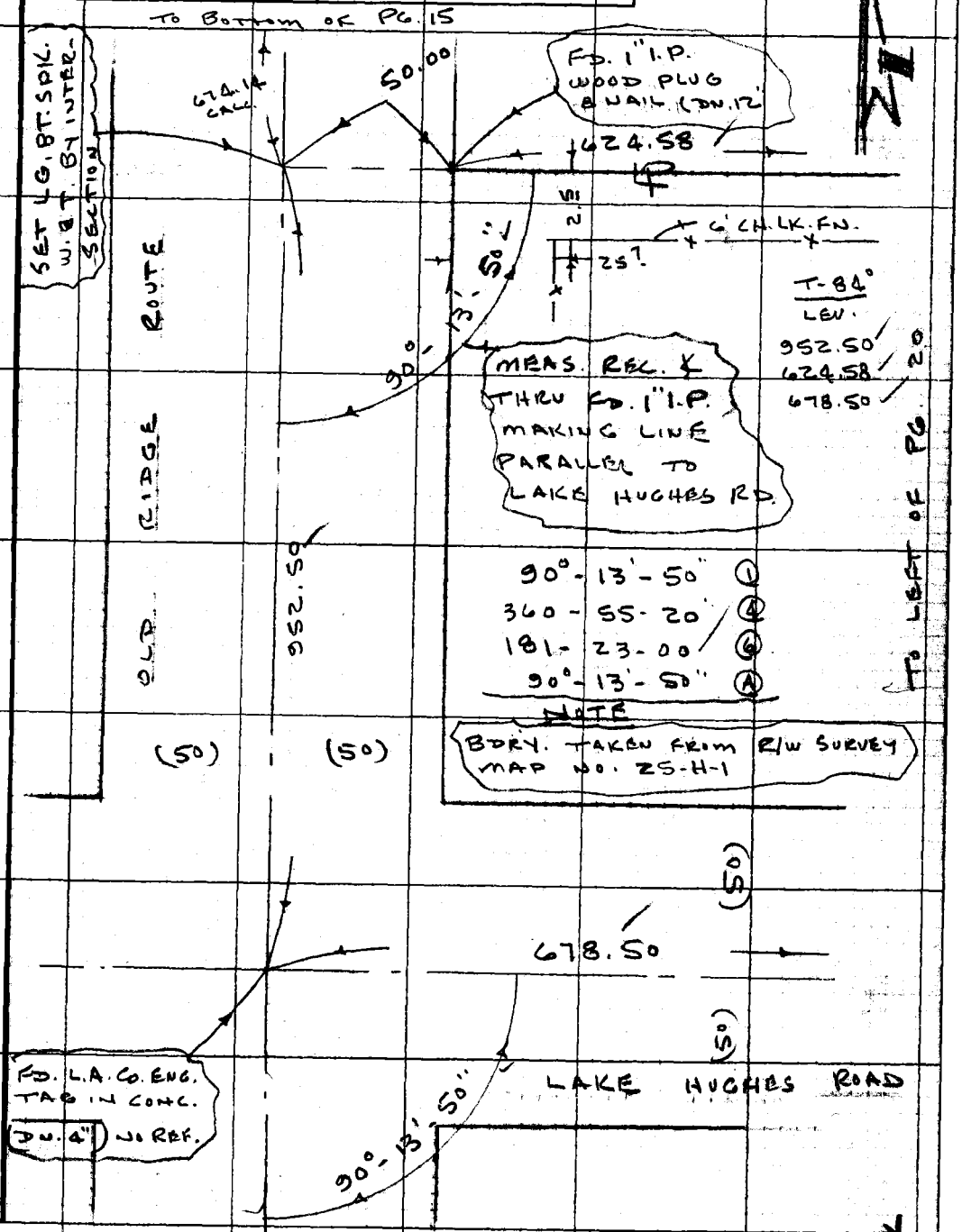
TO TOP OF PG. 14


T5N R17W
See Page 13 for this line
INTS = 5364.78
SEC. COR
Fd old mound of rock with 20" n. inclr. and traces of oak in mound. This md is 70 feet N. of ravine course E
356.36 @ 3-24 = 855.73
350.08 @ 9-41 = 845.04
700.77
134.93 @ 0° = 134.93
500.00 @ 3-15 = 499.70
634.13
335.19 @ 10-45 = 329.80
500.00 @ 1-30 = 499.83
829.63
37.41 @ 20-38 = 35.01
500.00 @ 22-43 = 461.22
496.23
71.5 @ 16-36 = 68.5
Fd 6x6 Post 48" high in mound of rock with spk. in cir. Post leans badly
W.C.
Fd 6x6 post 24" high in mound of rock with spike in cir.
1/4 COR
Fd also a 3x3 stake with top burned off, 8.19 North and 1.10 west of 1/4 COR
CS 9078
CS 9028
Fd Mound of rock with pos. at wood in md. at Ints. of fences.
Accepted as Sec. Cor. by owner
14
13
23
24
26
25


T5N R17W
See page 15
See page 13
90°-04'-00"
2653.76
S89-51-40E.
TRANSIT
LINE
Ints Page 20
1/4 COR
S89-38-25E
2653.8 calc
REC = 40.08
SEC COR
TRANSIT LINE
Replaced 3x3 stake with C.S. Mon. 2" I.P. with B.C. stamped as shown set in concrete
Tangent
1/4 COR
SEE PAGES 13-15-20-74-75
CS 9028
CS 9078
CS 9027
Replaced 6x6 Post with C.S. Mon. 2" I.P. with B.C. as shown
Set C.S. Mon in mound 2" I.P. with B.C. stamped as shown. 9" deep. concrete
SEC COR
COUNTY SURVEYOR'S MONUMENT
T5N
13 | 18
24 | 19
R17W R16W
14 | 13
23 | 24
R17W
23 | 24
R17W
23 | 24
26 | 25
R17W
14
13
23
24
26
25

CASTAIC

Notes Ck'd by R. HILARIO	Survey of RESERVOIR AFTERBAY	F. B. 3857 PG. 19
Map No.	JN 0056.12 Tape 8 Std 84 °F	
Office Work	Surveyed by J. P. MENNE	
Checked	Notes J. P. M Date 8-2-71	
Date	Indexed [illegible] AUG 23 '71	



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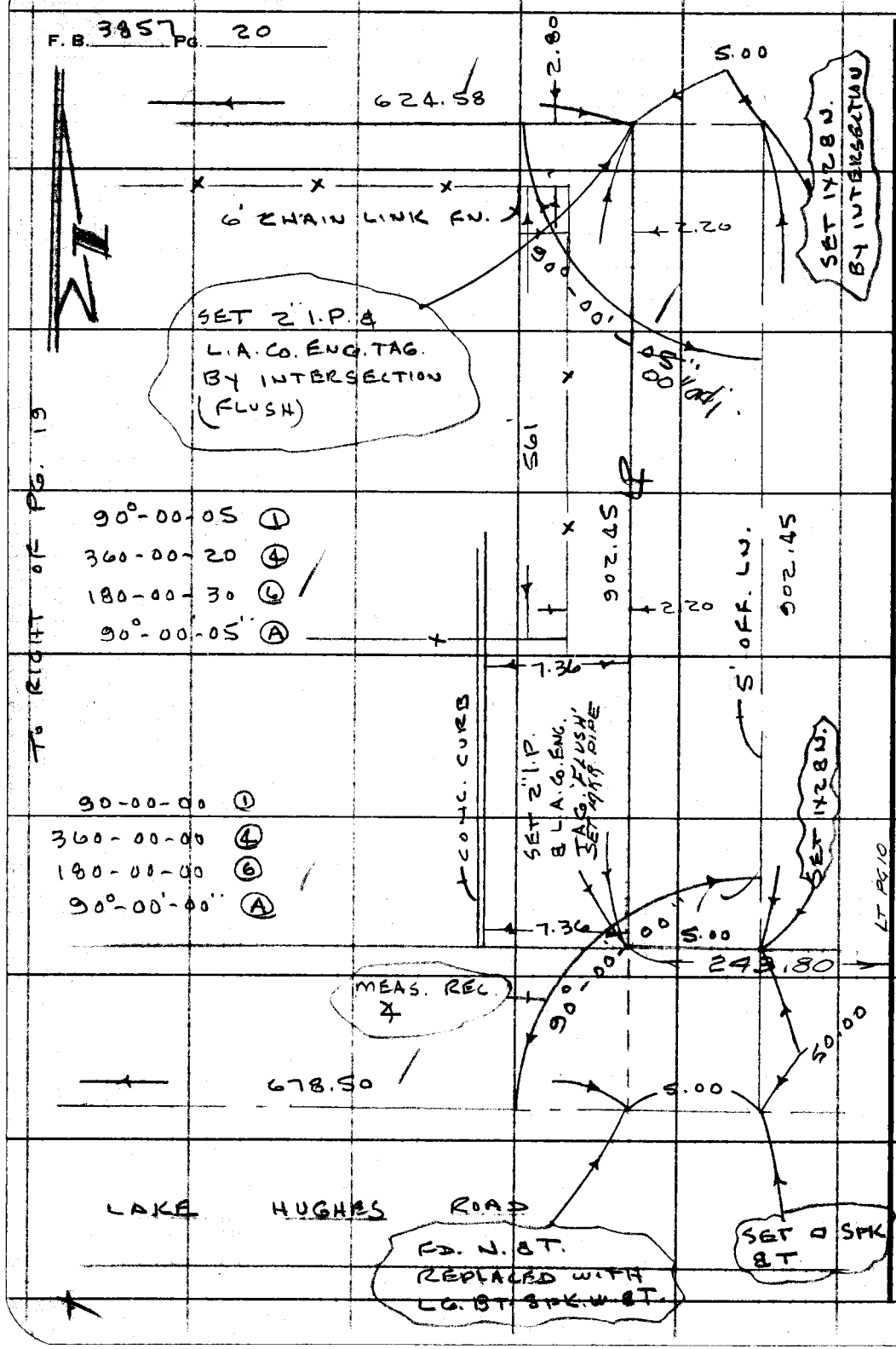
F. B. 3857 PG. 20



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Gen'l Develop. Afterbay

Notes Ck'd by R. HILARIO	Survey of Castaic Resv.
Map No.	JN 0056.12 Tape 17 Std. BA °F
Office Work	Surveyed by A.C. GUIZADO
Checked	Notes ACG Date 7/29/71
Date	Indexed G. J. GALIJ AUG 23 '71

F. B. 3857 PG. 21

JOB NO. 0056.12

CASTAIC RESERVOIR
GENERAL DEVELOPMENT
AFTERBAY

SEC 19 T5N R16W1

Inst T-1AE
300' TAPE #17
22" - 32" - 42"

BEARINGS PER
STATE of Calif.
Dept of WATER RESOURCES
SOUTHERN District
M-20P-12
CASTAIC RESV.
WEST Branch FW.

GUIZADO
MASSEY
WEST D.R.
FISHER L.O.

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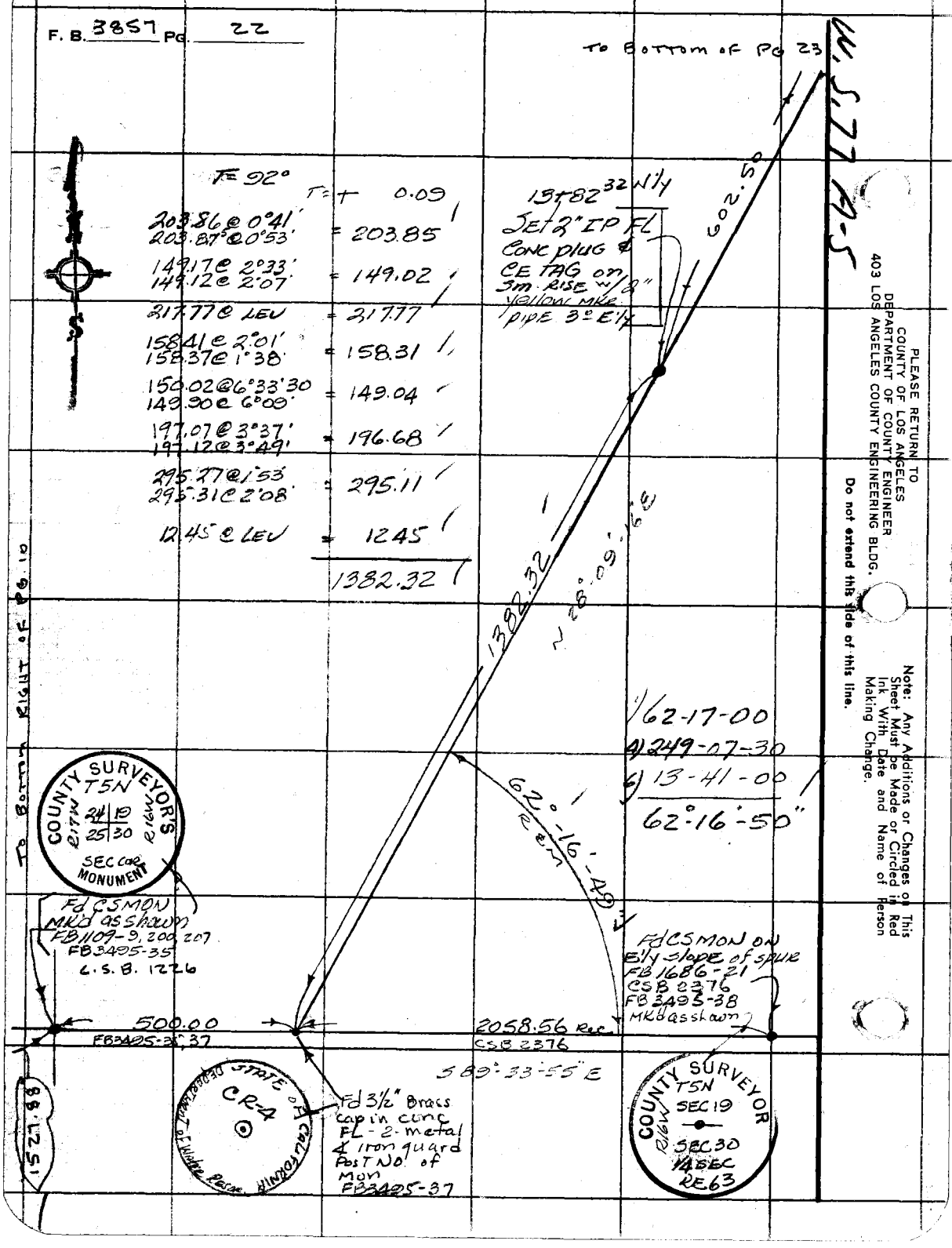
76F309S CE#310 3-69

F. B. 3857 Pg. 22



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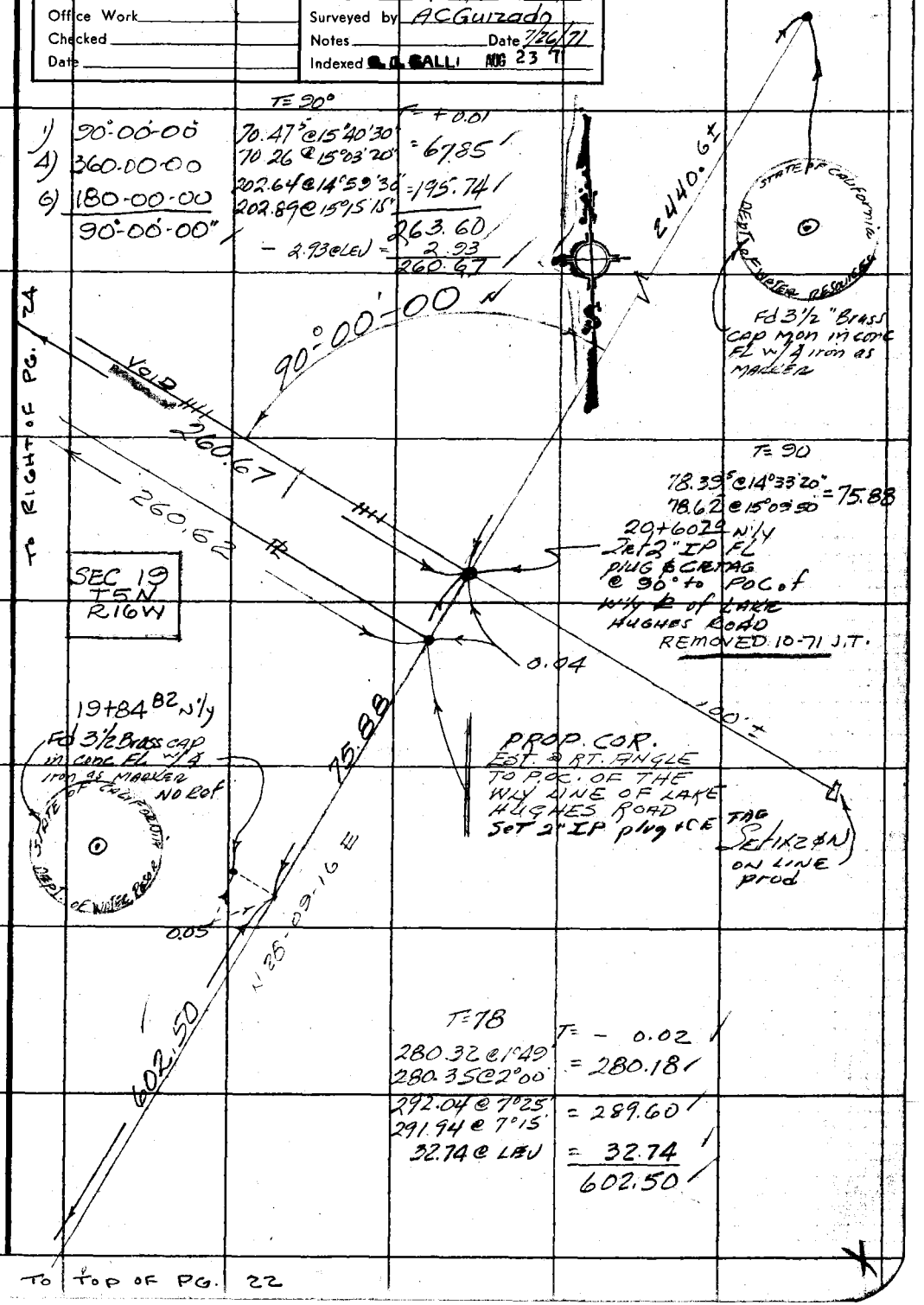
CASTAIL RESERVOIR

Notes Ck'd by R. HILARIO	Survey of AFTERBAY	F. B. 3857 PG. 23
Map No.	JN 0056.12 Tape 17 Std 84 °F	
Office Work	Surveyed by A C Guizado	
Checked	Notes Date 7/26/71	
Date	Indexed [illegible] GALLI AUG 23 71	



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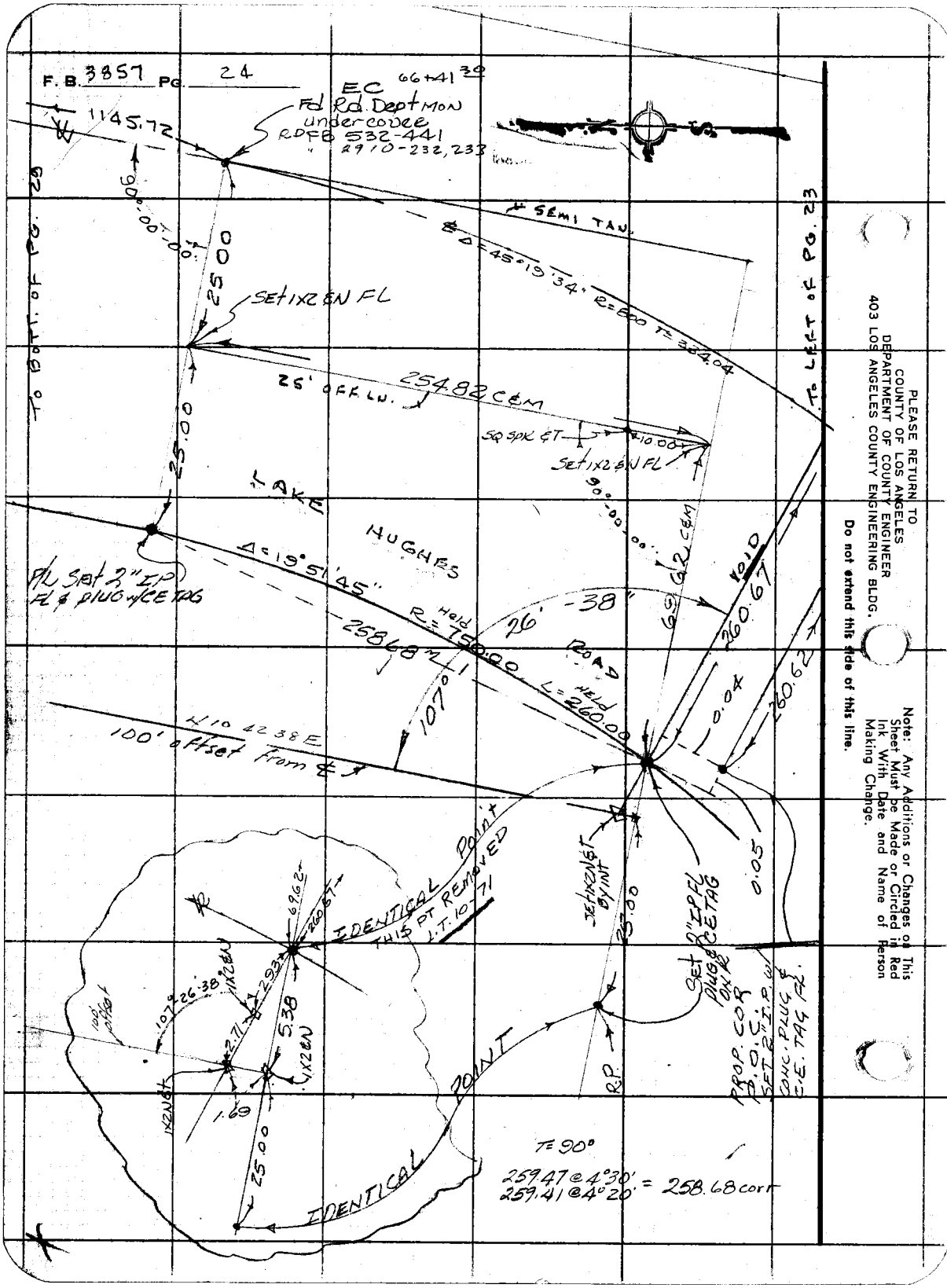
F.B. 3857 PG. 24
EC 66+41.30
Fd Rd. Dept MON undercover
RDFB 532-441
" 2910-232, 233
1145.72
90°-00'-00"
25.00
SEMI TAN.
Δ=45°19'34" R=800 T=334.04
SET 1X2 EN FL
25' OFF LN.
254.82 C&M
SQ SPK ET
10.00
SET 1X2 EN FL
90°-00'-00"
LAKE HUGHES ROAD
Δ=19°51'45"
R=750.00 Held
258.68
26'-38"
L=260.00 Held
107°
69.62 C&M
VOID
260.67
260.62
0.04
0.05
N 10 42 38 E
100' offset from ℄
IDENTICAL POINT
THIS PT REMOVED L.T. 10-71
SET 1X2 N&T BY INT
25.00
SET 2" I.P. FL PLUG & CE TAG ON R
PROP. COR P.O.C. SET 2" I.P. W/ CONC. PLUG & C.E. TAG FL.
R.P.
IDENTICAL POINT
T=90°
259.47 @ 4°30' = 258.68 corr
259.41 @ 4°20'
TO BOTT. OF PG. 29
TO LEFT OF PG. 23
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403 LOS ANGELES COUNTY ENGINEERING BLDG.
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Castaic Resv

Notes Ck'd by R HILARIO	Survey of Gen'l Devel Afterbay
Map No.	JN 0056.12 Tape 17 Std 84 °F
Office Work	Surveyed by Guizado
Checked	Notes ACG Date 7/28/71
Date	Indexed G. J. GALLI AUG 23 '71

F. B. 3857 PG. 25

COUNTY SURVEYOR'S MONUMENT T5N SEC 13 SEC 24 1/4 COR R17W

Foresight 300'±

1) 46°-49'-20"
4) 187-17-40
6) 280-56-30
46°-49'-25"
cover ack 9/10/71

52+83.95

FdCSMON CSB 1226 MKd as shown dn 6" w/yellow MKd. pipe

N 89° 29' 25" E

T=86° T=0.00
212.76@4°32'
212.70@4°21 = 212.09

T=90° T=+0.01
144.98@18°26'00"
144.45@17°49'00" = 137.54 AVG corr
65.07@LEV = 65.07
104.20@ " = 104.20
79.53@3°19'
79.67@4°44' = 79.40

g. P. Mme 8-4-71
T-90°
176.60 LEV. = 176.61
209.06 @ 2°-57' = 208.78
209.14 @ 3°-19' = 208.79
176.61
208.79
385.40

SET 1X2 8N.

46°-49'-29" 25" adj
292

104.20

385.40

137.04

SET 1X1 & N FL

65.07

SET 1X2 N & E By int

137.54

SET 1X2 & N TOP BANK

212.09

SEC 24 T5N R17W

79.40

To Bottom of Pg. 28

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W.S. 77 A-5

76F309S CE#310 3-69

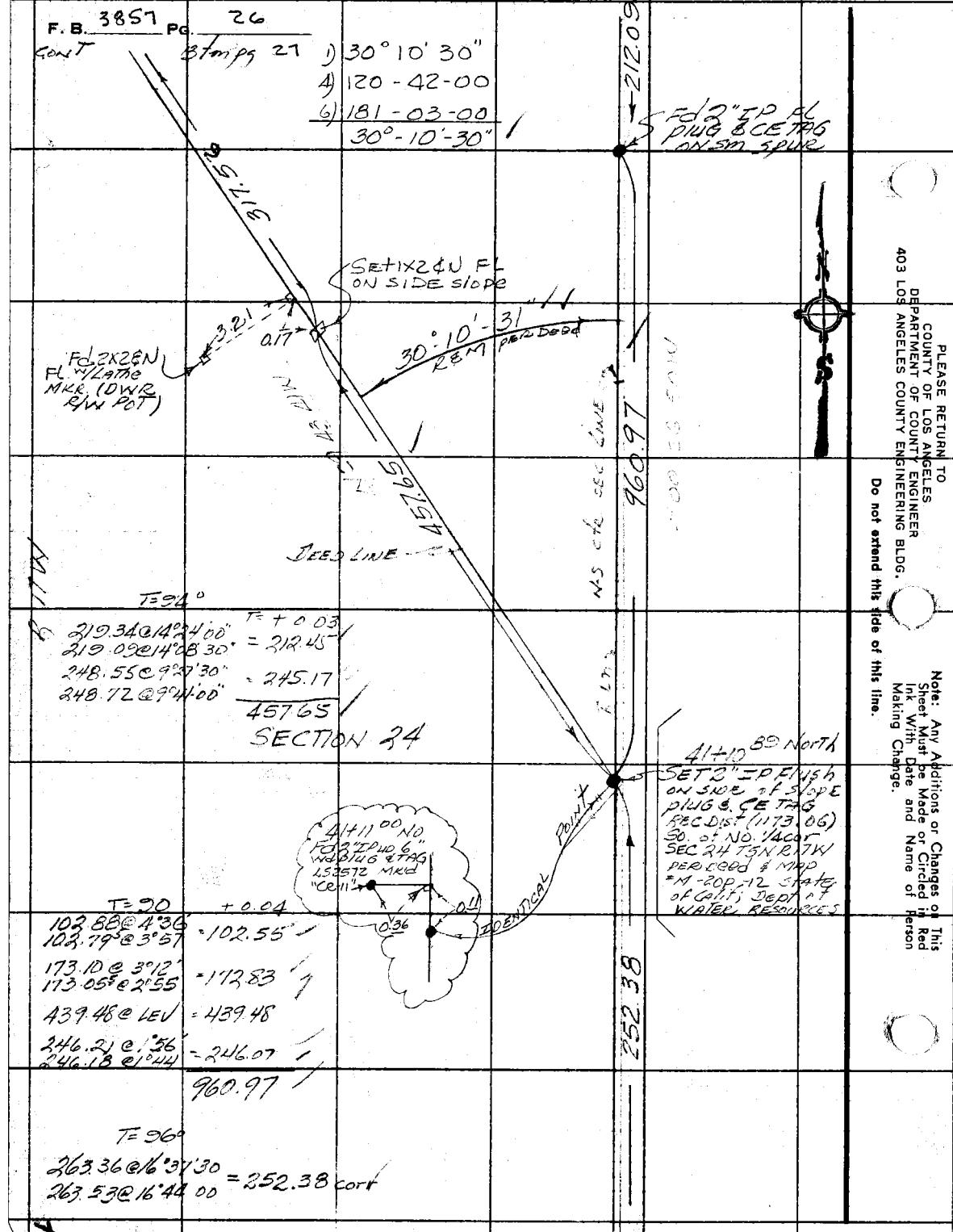
From TOP RT pg 27 con't TOP pg 26

T5N From Btm pg. 25

F.B. 3857 PG. 26

CONT Btm pg 27

1) 30° 10' 30"
4) 120 - 42 - 00
6) 181 - 03 - 00
30° - 10' - 30"



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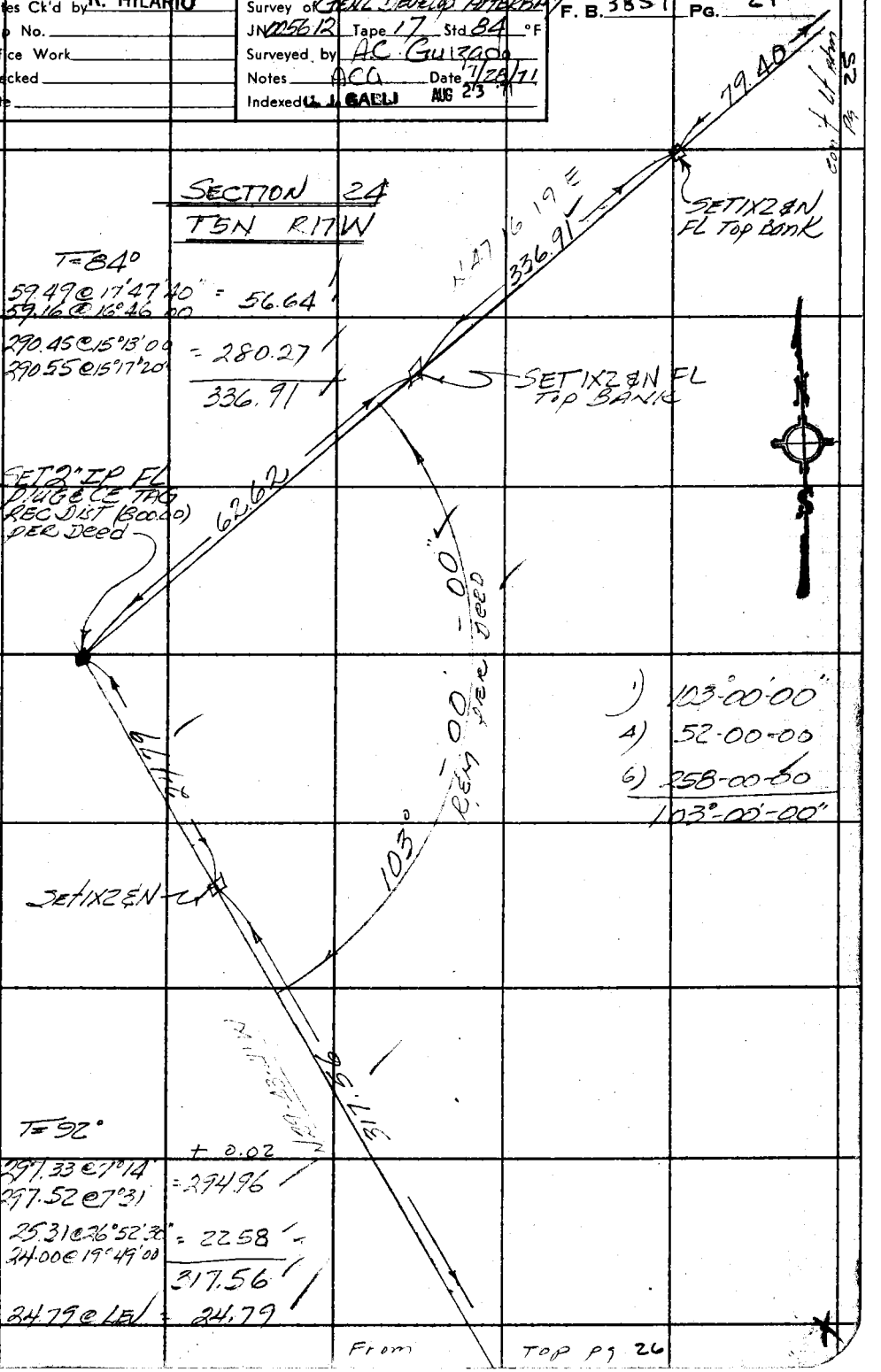
Cont

Top pg 18

CASTAIC RES

Notes Ck'd by R. HILARIO	Survey of GENL DEVELOP ATTERBAY
Map No.	JN 005612 Tape 17 Std 84 °F
Office Work	Surveyed by A.C. Guizado
Checked	Notes ACG Date 7/28/71
Date	Indexed C. J. GAELI AUG 23 '71

F. B. 3857 PG. 27



From Top pg 26

Cont't Lt Atm Pg 25

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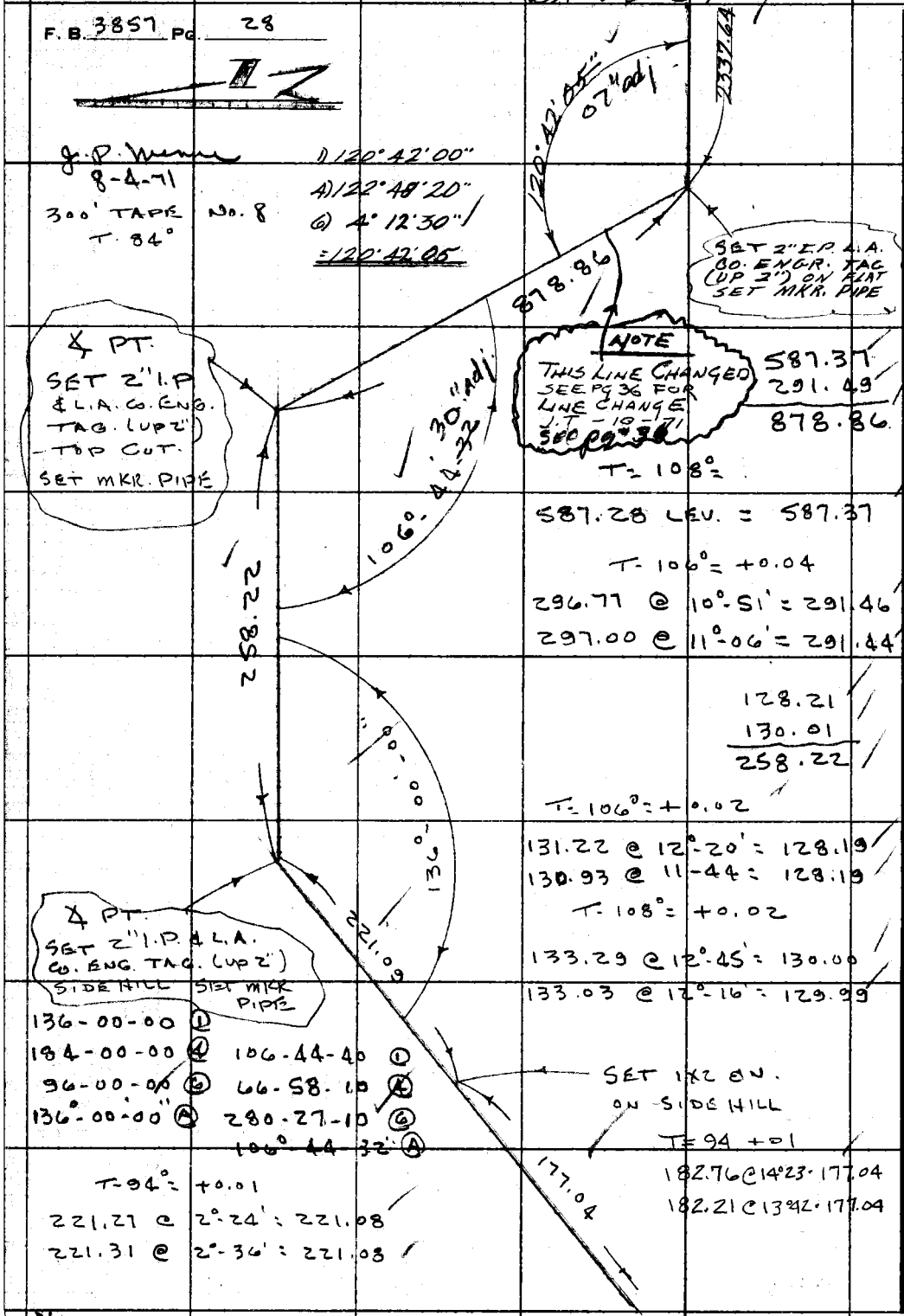
76F309S CE#310 3-69

LT. PG-3A

F. B. 3857 PG. 28

J. P. [illegible]
8-4-71
300' TAPE No. 8
T. 84°

1) 120°42'00"
4) 122°48'20"
6) 4°12'30"
= 120°42'05



587.37
291.49
878.86

T = 108° =

587.28 LEV. = 587.37

T - 106° = +0.04

296.77 @ 10°-51' = 291.46
297.00 @ 11°-06' = 291.44

128.21
130.01
258.22

T = 106° = +0.02

131.22 @ 12°-20' = 128.19
130.93 @ 11-44 = 128.19

T - 108° = +0.02

133.29 @ 12°-45' = 130.00
133.03 @ 12°-16' = 129.99

136-00-00 ①
184-00-00 ④ 106-44-40 ①
96-00-00 ⑥ 66-58-10 ④
136°-00-00" Ⓐ 280-27-10 ⑥
106°-44-32" Ⓐ

T = 94° = +0.01

221.27 @ 2°-24' = 221.08
221.31 @ 2°-36' = 221.08

T = 94 +01

182.76 @ 14°23' = 177.04
182.21 @ 13°42' = 177.04

TO RIGHT OF PG. 25

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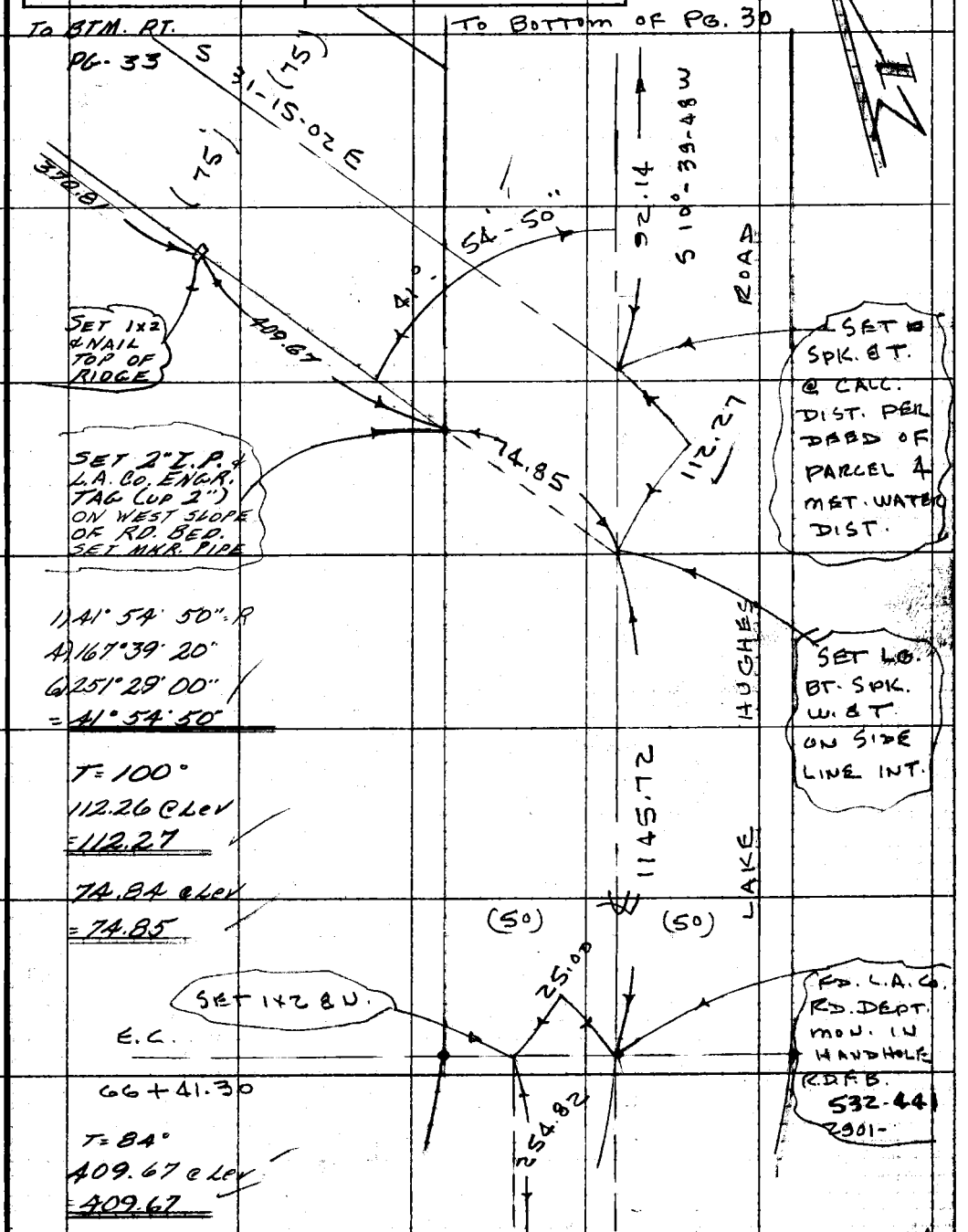
CASTAIC RESERVOIR

Notes Ck'd by R. HILARIO	Survey of AFTERBAY	F. B. 3857 PG. 29
Map No.	JN 0056.12 Tape 8 Std 84 °F	
Office Work	Surveyed by J. P. MENNE	
Checked	Notes J.P.M Date 8-5-71	
Date	Indexed AUG 23 '71	



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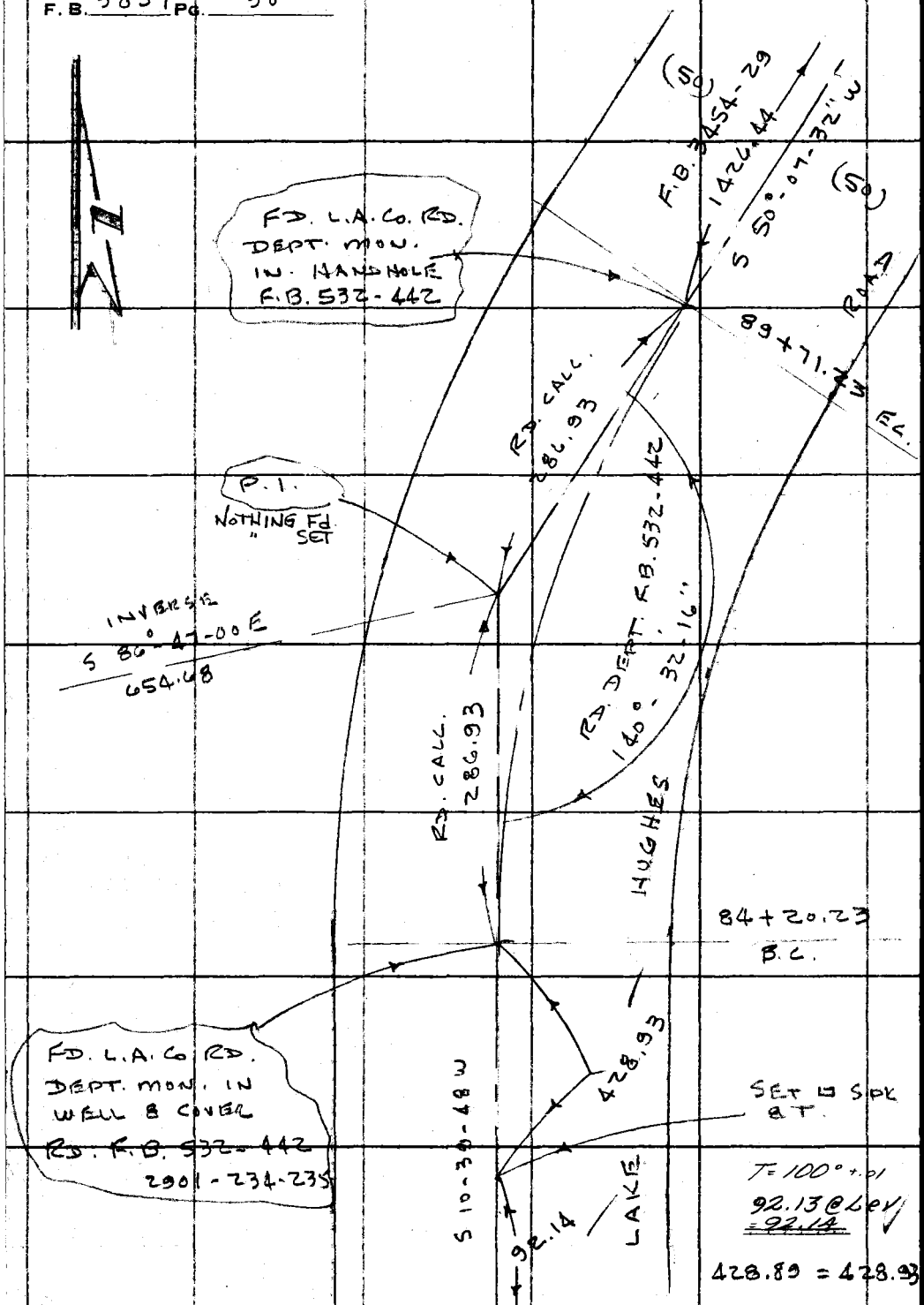
76F309S CE#310 3-69

TO BOTTOM OF PG. 31

F.B. 3857 PG. 30



TO TOP OF PG. 29

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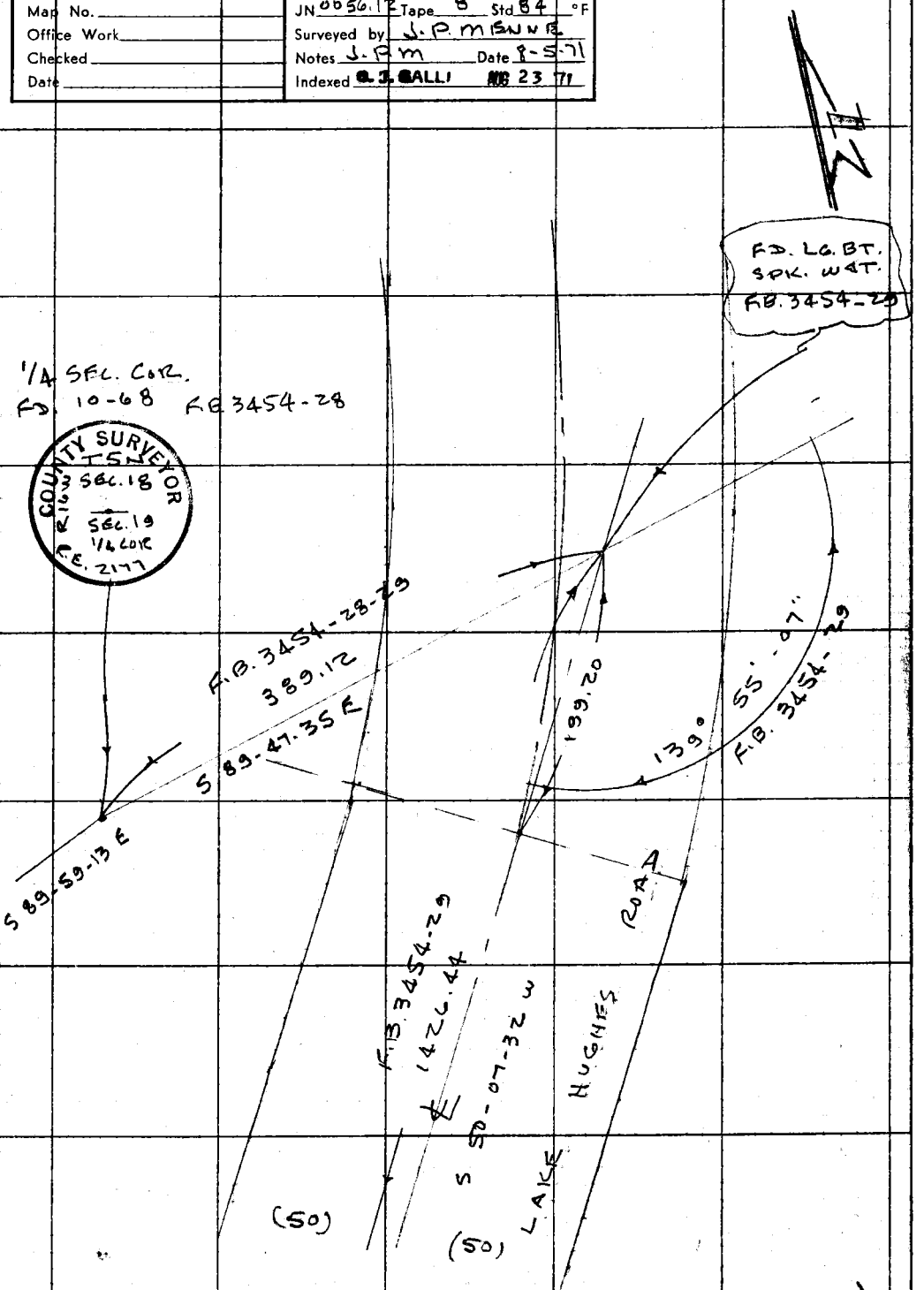
CASTAIC RESERVOIR

Notes Ck'd by R. HILARIO	Survey of AFTERBAY
Map No.	JN 0056.12 Tape 8 Std 84 °F
Office Work	Surveyed by J.P. MISNER
Checked	Notes J.P.M Date 8-5-71
Date	Indexed G. J. GALLI AUG 23 71

F. B. 3857 PG. 31



TO TOP OF PG. 30

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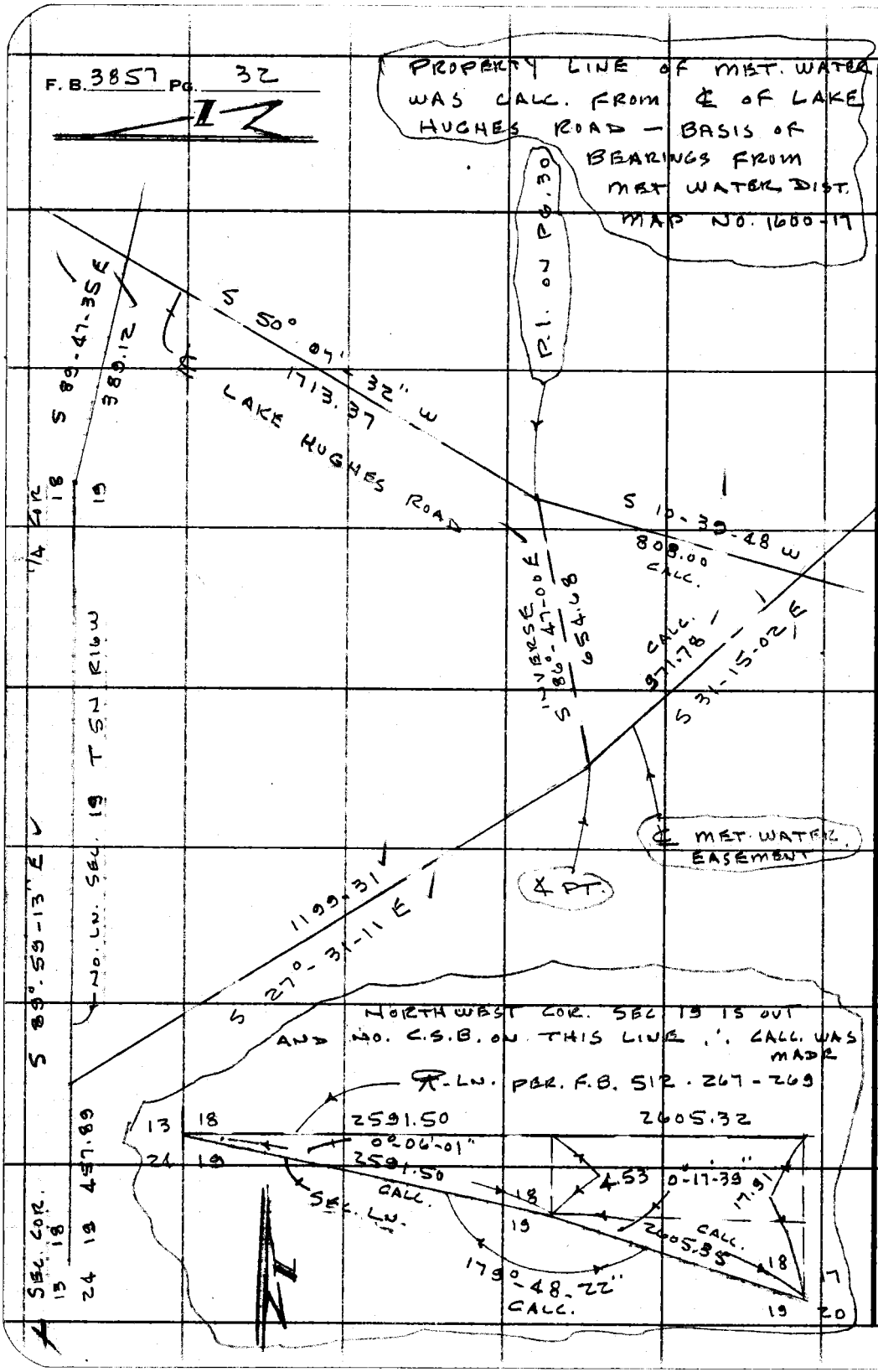
W.S. 77 A-5

76F309S CE#310 3-69

F. B. 3857 PG. 32



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Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by R. HILARIO	Survey of CASTAIC RESV. AFTERBAY
Map No.	JN 0056.12 Tape B Std 84 °F
Office Work	Surveyed by M.E. WACKER
Checked	Notes M.E.W Date 8-6-71
Date	Indexed C. J. CALLI AUG 23 '71

F. B. 3857 Pg. 33

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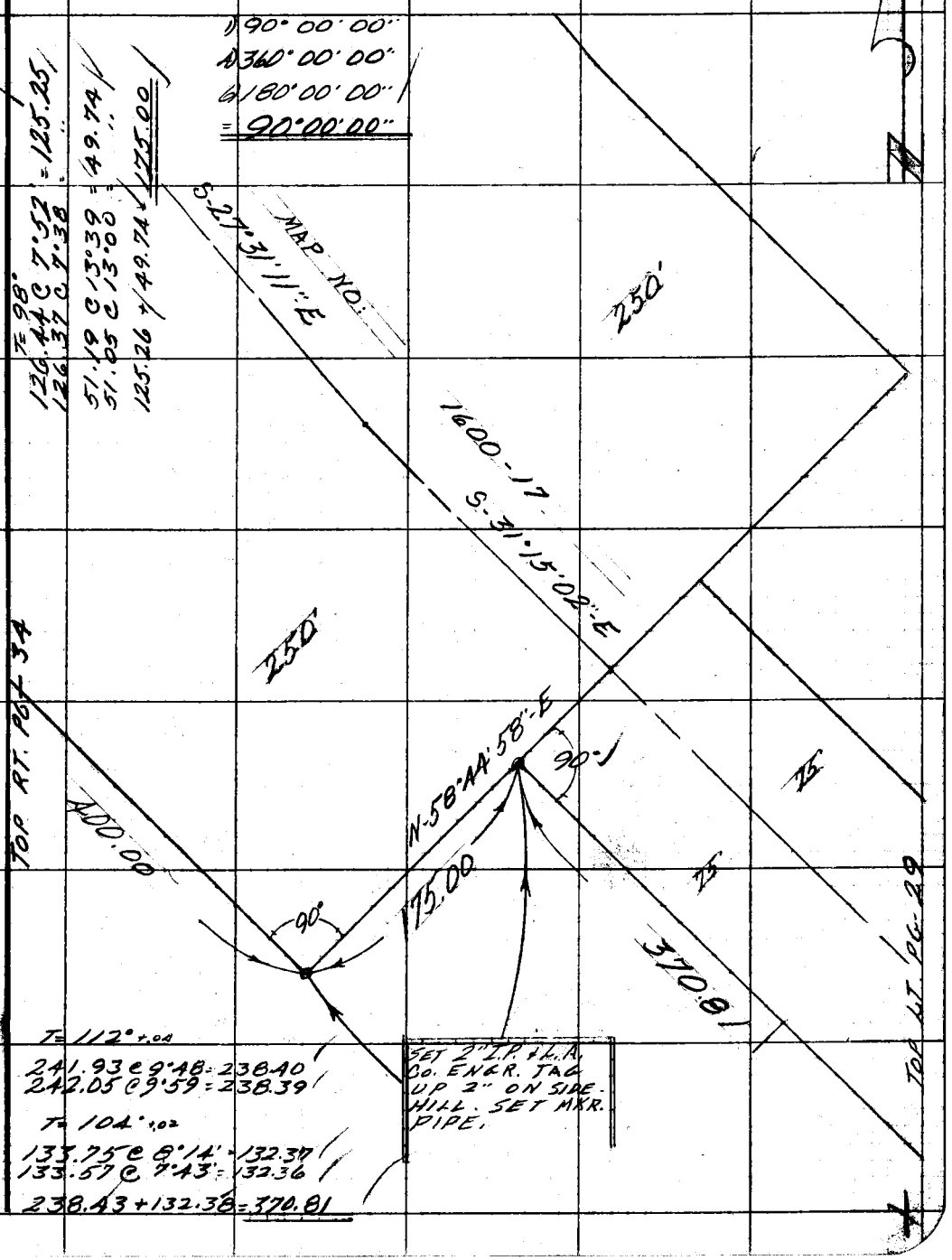

76F309S CE#310 3-69

F. B. 3857 Pg. 34

1) 43°11'20"
A) 172°44'40"
6) 259°07'00
= 43°11'10"

SET 2" I.P. L.A.C.O. ENGR. TAG UP 2" ON NORTH EDGE OF DIRT RD. SET 2" MKR. PIPE

T = 86

159.26 C 27°25' = 141.37
159.08 C 24°18' = 141.36

83.34 C 13°03' = 81.19
83.15 C 12°29' = 81.19

62.70 C 10°21' = 61.68
62.55 C 11°30' = 61.69

T = 94.

298.33 C 4°42' = 297.36
298.44 C 4°58' = 297.32

216.33 C 1°16' = 216.28
216.35 C 1°31' = 216.27

271.43 C 5°19' = 270.26
271.53 C 5°33' = "

72.76 C 20°00' = 68.37
72.36 C 19°07' = "

T = 92.

183.87 C 1°41' = 183.79
183.91 C 2°02' = "

186.49 C 1°05' = 186.46
186.46 C 0°41' = 186.45

T = 94

830.83 CLV = 830.88

T = 96.

230.54 C 20°28' = 215.99
230.33 C 20°20' = 215.98

172.03 C 7°31' = 171.87 / 216.00
171.99 C 7°57' = 171.89 / 171.89

12.11 C LCV = 12.11 / 12.11

= 400.00

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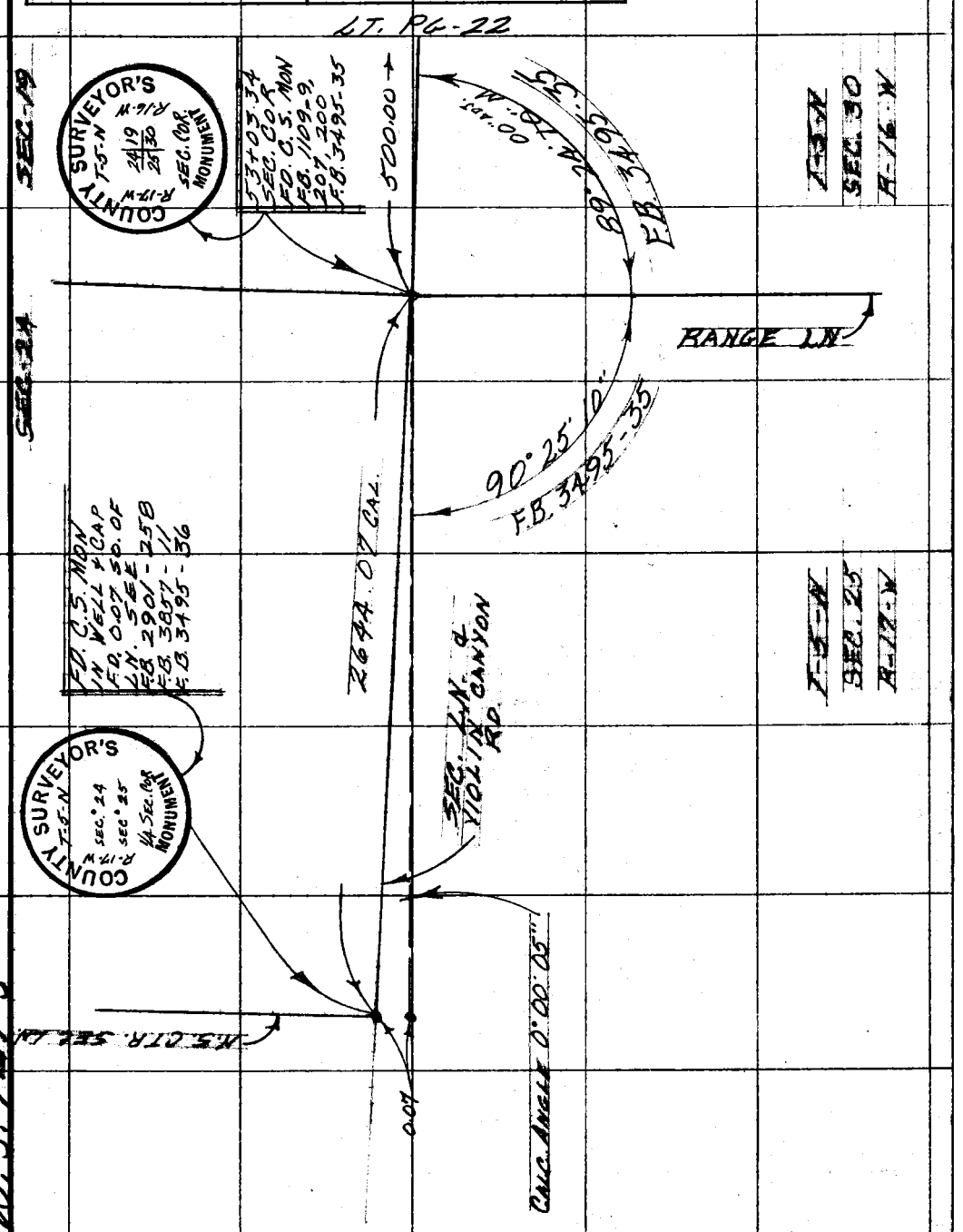
Notes Ck'd by R. HILARIO	Survey of CASTAIC RESV. AFTERBAY
Map No.	JN 0056.12 Tape Std 84 °F
Office Work	Surveyed by J. P. MENNE
Checked	Notes M. E. WACKER Date AUG-71
Date	Indexed G. J. GALI AUG 23 '71

F. B. 3857 PG. 35



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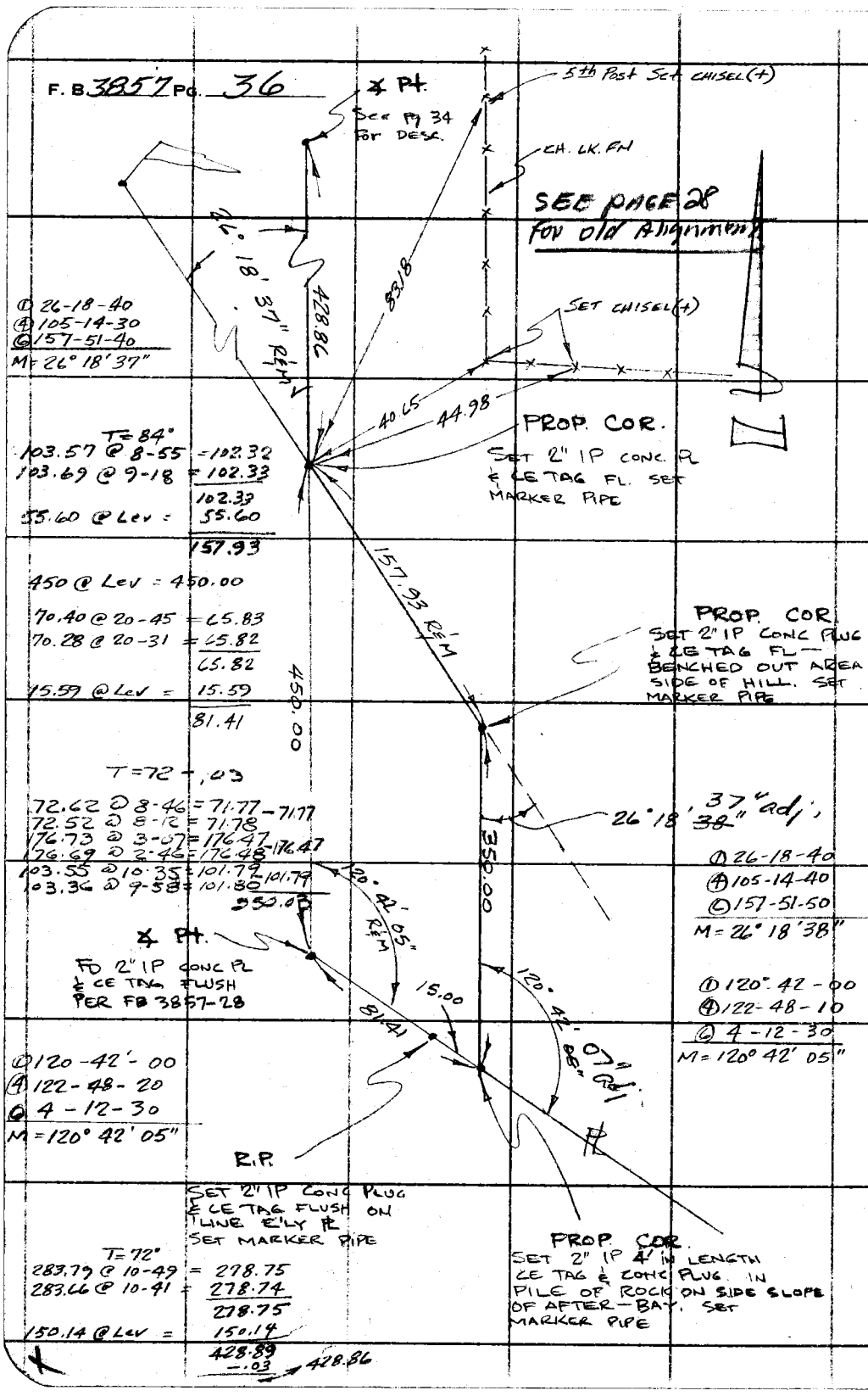
F. B. 3857 PG. 36



① 26-18-40
④ 105-14-30
⑥ 157-51-40
M = 26° 18' 37"

T = 84°
103.57 @ 8-55 = 102.32
103.69 @ 9-18 = 102.33
102.33
55.60 @ Lev = 55.60
157.93

450 @ Lev = 450.00

70.40 @ 20-45 = 65.83
70.28 @ 20-31 = 65.82
65.82
15.59 @ Lev = 15.59
81.41

T = 72 + .03

72.62 @ 8-46 = 71.77 — 71.77
72.52 @ 8-12 = 71.78
176.73 @ 3-07 = 176.47
176.69 @ 2-46 = 176.48 — 176.47
103.55 @ 10-35 = 101.79 — 101.79
103.36 @ 9-58 = 101.80
350.00

① 26-18-40
④ 105-14-40
⑥ 157-51-50
M = 26° 18' 38"

① 120° 42' 00
④ 122-48-10
⑥ 4-12-30
M = 120° 42' 05"

① 120-42'-00
④ 122-48-20
⑥ 4-12-30
M = 120° 42' 05"

T = 72°
283.79 @ 10-49 = 278.75
283.66 @ 10-41 = 278.74
278.75
150.14 @ Lev = 150.14
428.89
-.03
428.86

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Notes Ck'd by	Survey of CASTAIC REG PARK	F. B. 3857 Pg. 37
Map No.	JN 0056.12 Tape Std °F	
Office Work	Surveyed by J. TERRANOVA	
Checked	Notes J.T. Date 10-71	
Date	Indexed C. J. GALLI NOV 18 '71	

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CASTAIC LAKE STATE
AND COUNTY REG. PARK
(AFTERBAY)

SHORELINE DEVELOP-
MENT. PHASE 1

INFORMATION NEEDED
BY MCINTIRE & QUIROS,
ARCHITECTS.

J.N. 0056.12
OCT. 71

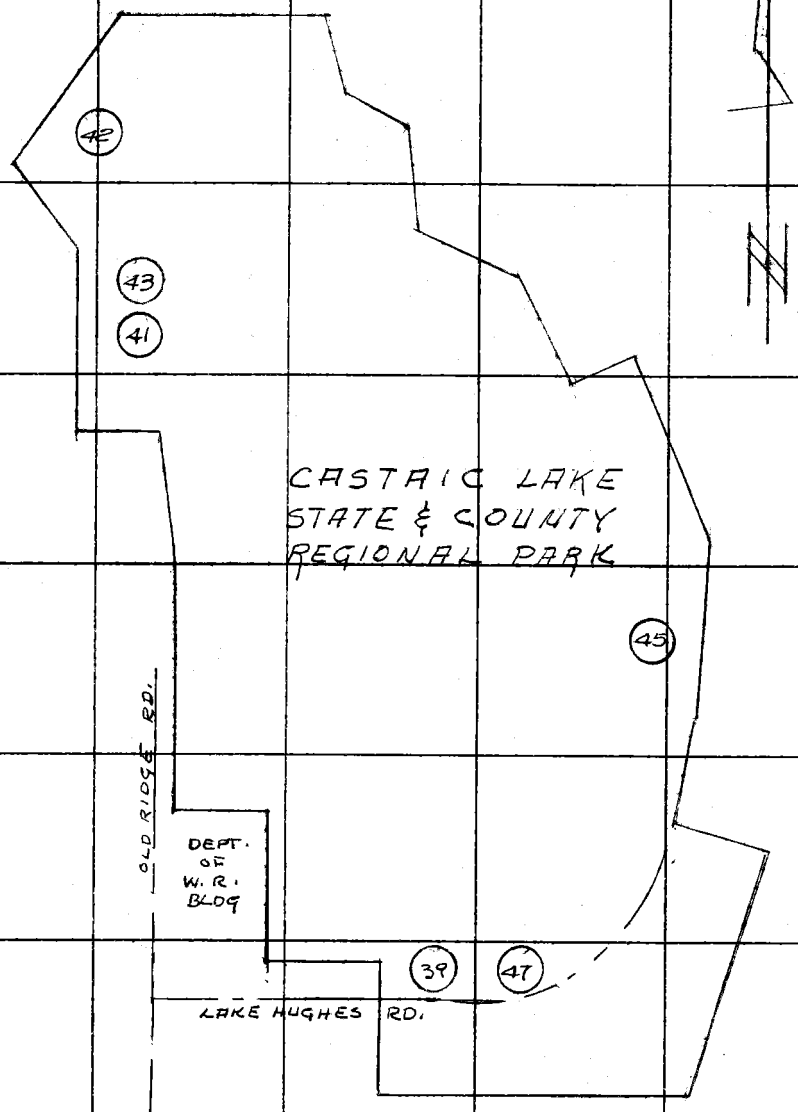
REF:
F.B. 3857
PLANS BY McINTIRE & QUIROS
SPEC. # 3183
CAP. PROJ. # 9940.02
SHTS. # 3 & 4

PARTY
J. TERRANOVA
R. HAMAZAU
L. KEISNER
J. ZBYSEMSKI

76F309S CE#310 3-69

F. B. 3857 Pg. 38

INDEX



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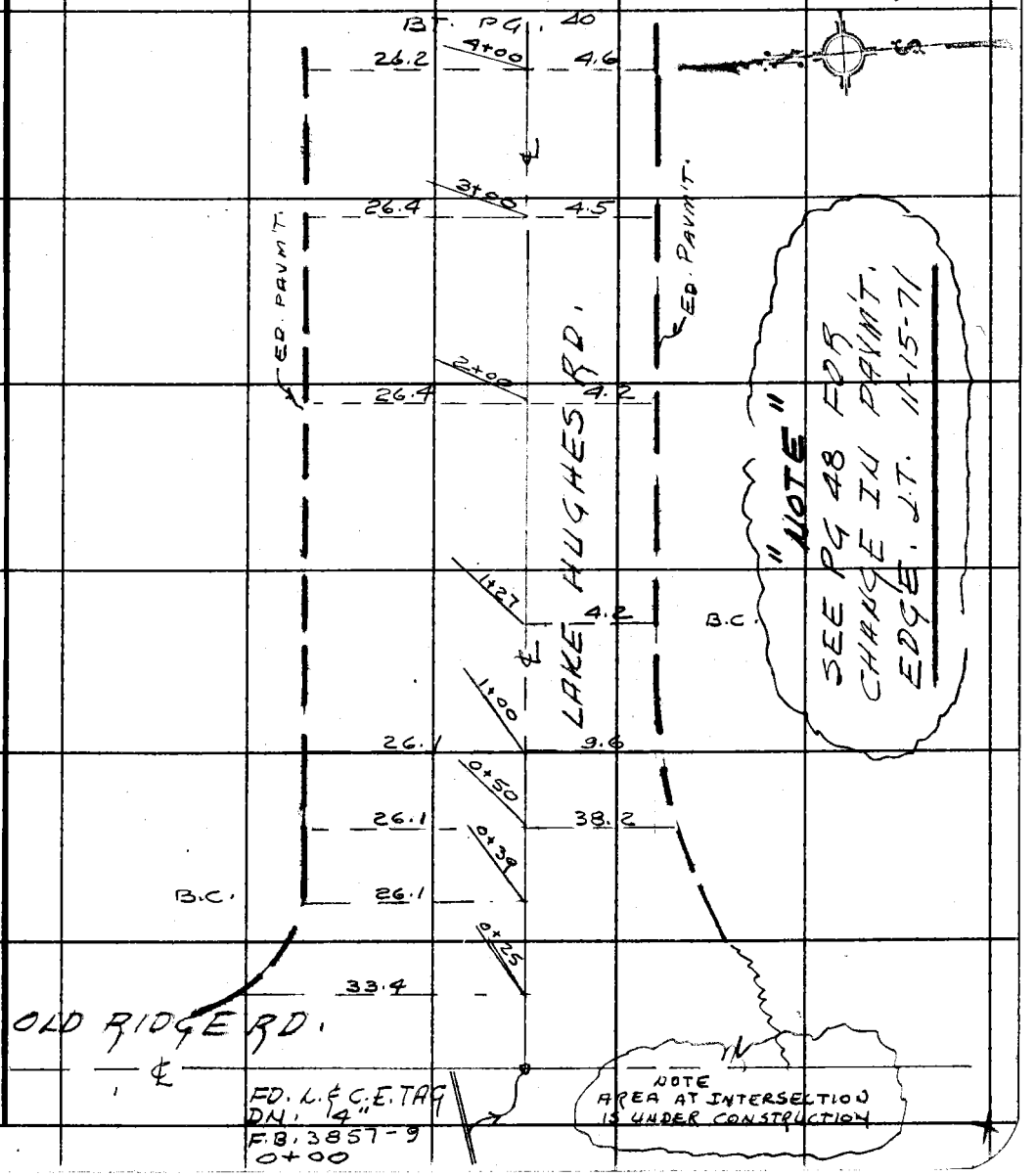
Notes Ck'd by	Survey of CASTAIC REG PARK	F. B. 3857 PG. 39
Map No.	JN 005612 Tape Std °F	
Office Work	Surveyed by J. TERRANOVA	
Checked	Notes J.T. Date 10-71	
Date	Indexed [redacted] J. GALL [redacted] 1 8 [redacted]	

LOCATION OF PAVM'T. EDGE ON LAKE HUGHES RD. FROM INT. W/ OLD RIDGE RD. ELY. TO BRIDGE ⓪ ITEM



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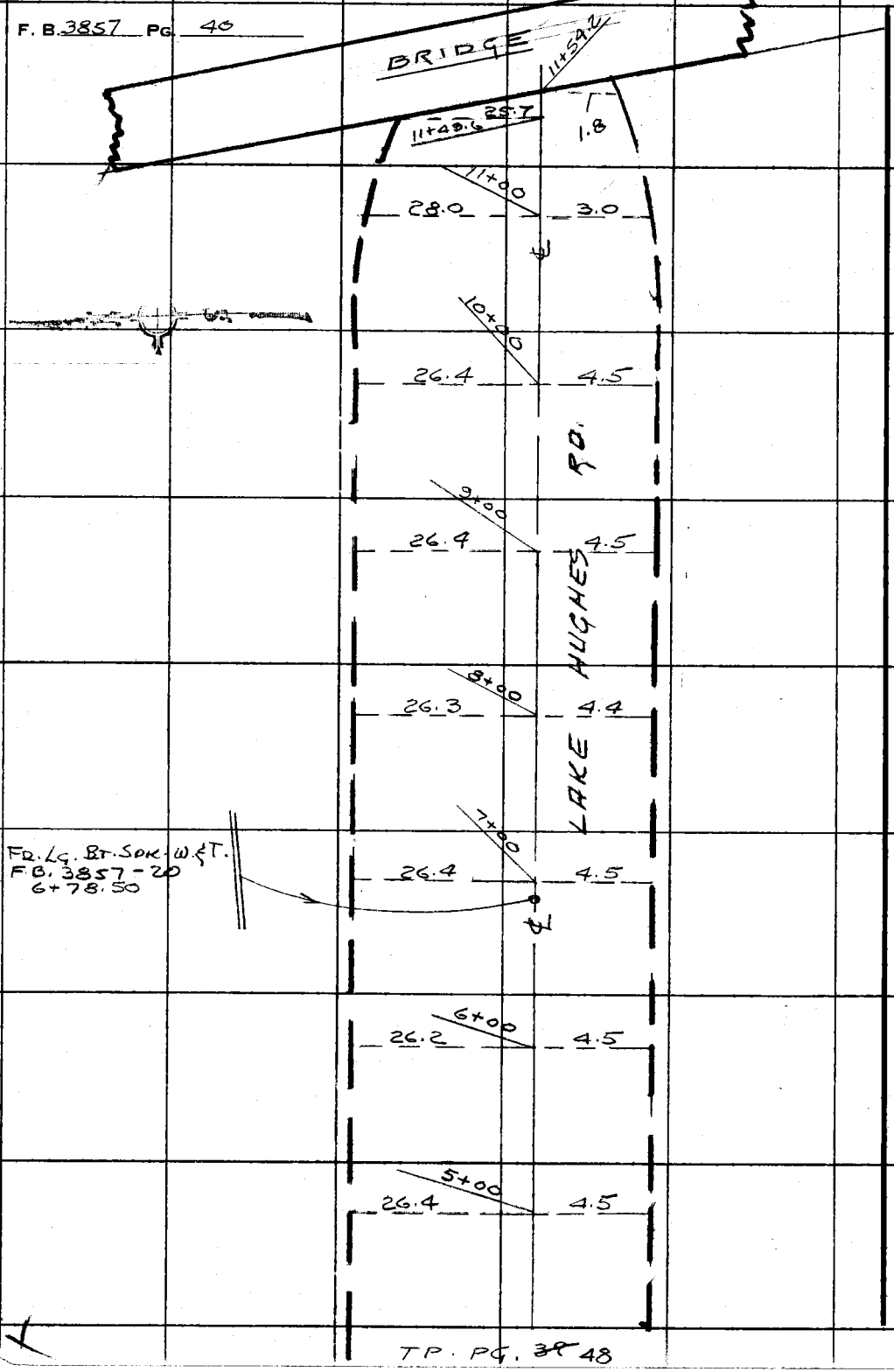
F. B. 3857 PG. 40



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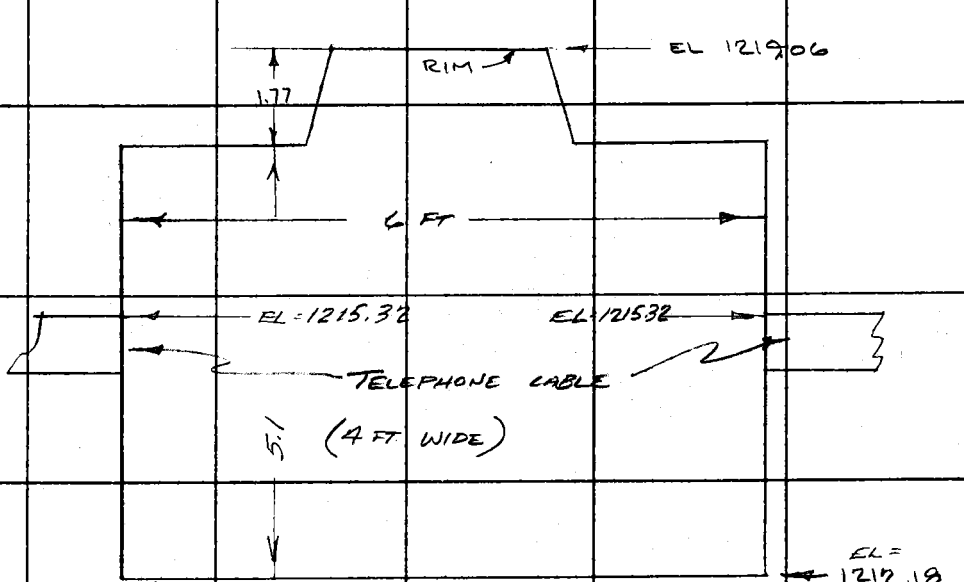
Notes Ck'd by	Survey of CASTAIC REC. PARK
Map No.	JN 005612 Tape Std °F
Office Work	Surveyed by J. TERRANOVA
Checked	Notes R.A. Date 11-71
Date	Indexed J. GALI NOV 18 71

F. B. 3857 PG. 41

TELEPHONE M.H #1
N 366,623 ±
E 1,814,694 ±

ELEV.'S ON EXISTING TELE. M.H.'S
ELY. OF WLY. PARK BOUNDARY
ITEM 3&4



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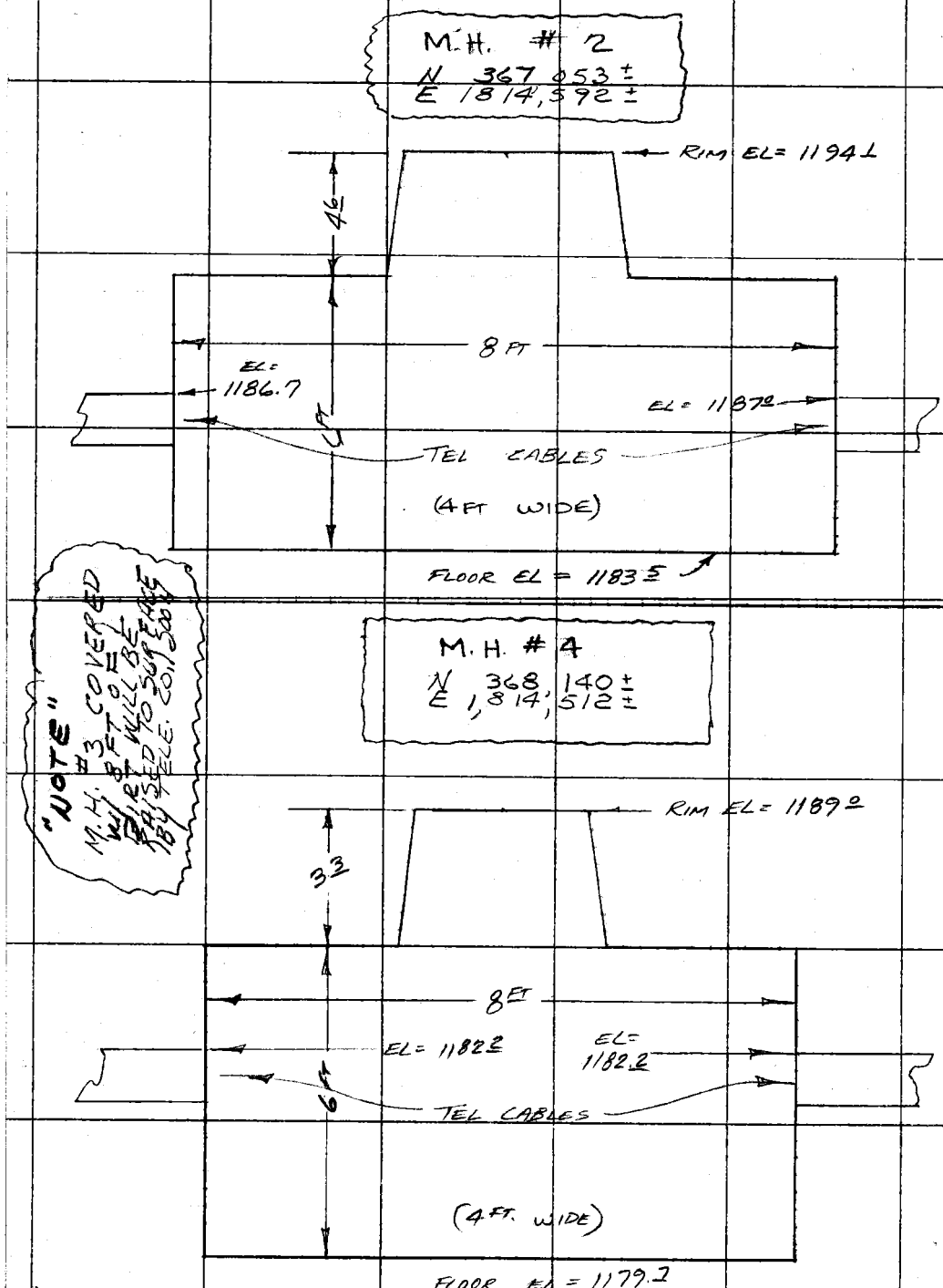
F. B. 3857 PG. 42



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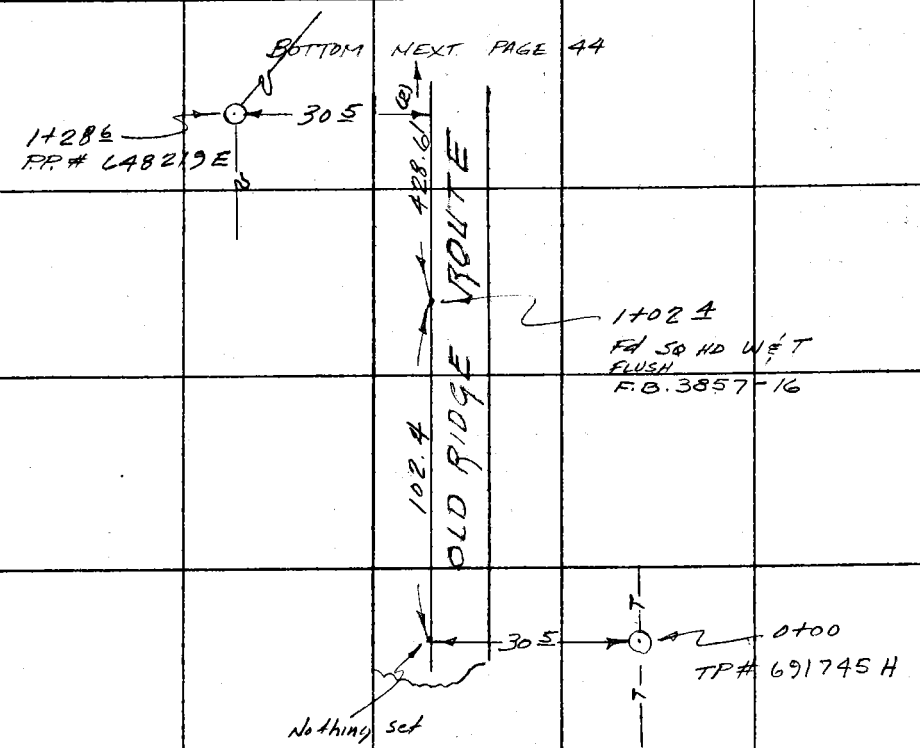
Notes Ck'd by	Survey of CASTAIC REC. PARK
Map No.	JN005612 Tape Std °F
Office Work	Surveyed by J. TERRANOVA
Checked	Notes R.A. Date 11-71
Date	Indexed W. J. GALL NOV 18 71

F. B. 3857 PG. 43

POLE NUMBERS AND LOCATION ALONG OLD RIDGE RD AT AND ADJ. TO PROPOSED CONN. BY FORK ROADS. IT. 6



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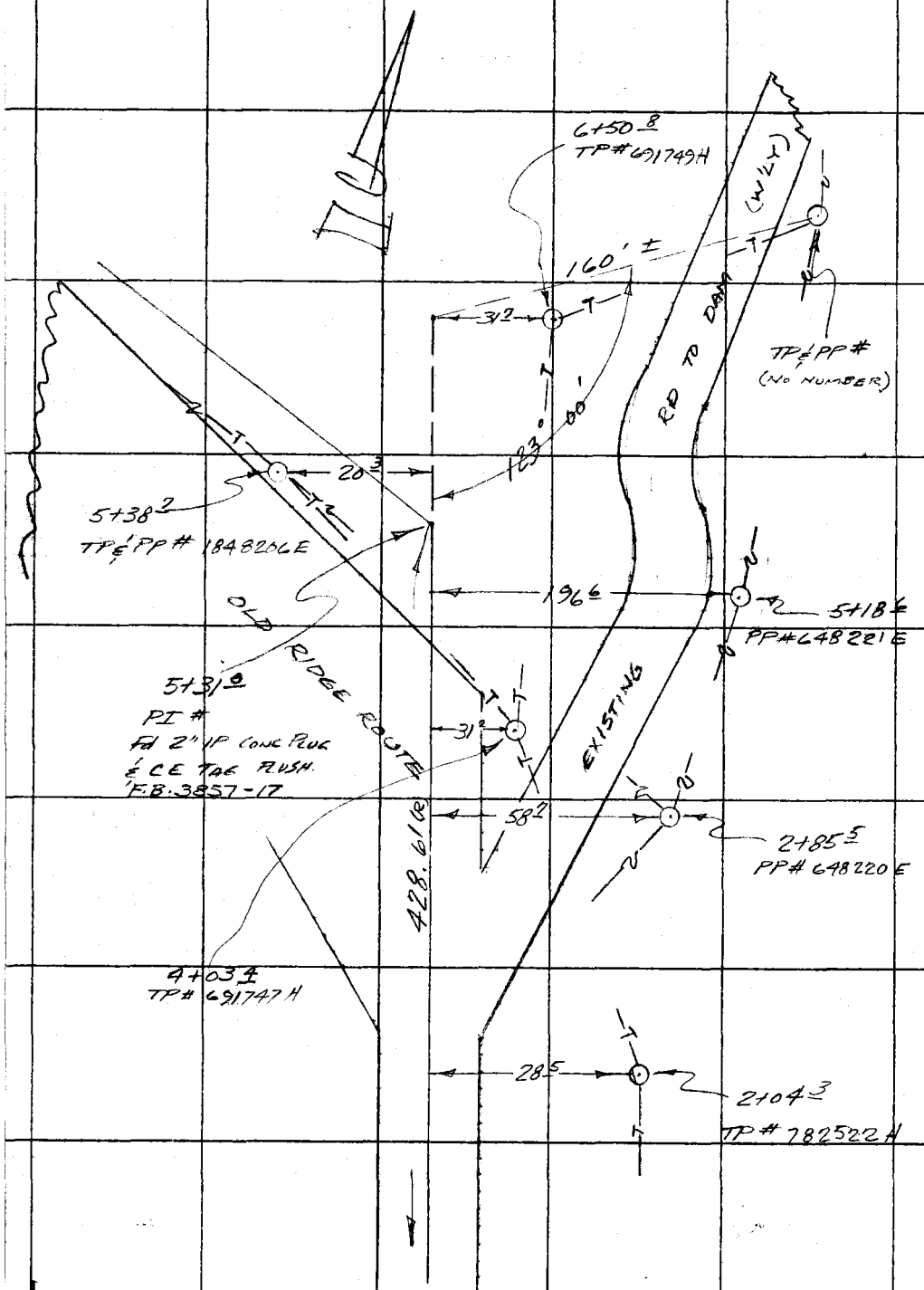
F. B. 3857 PG. 44



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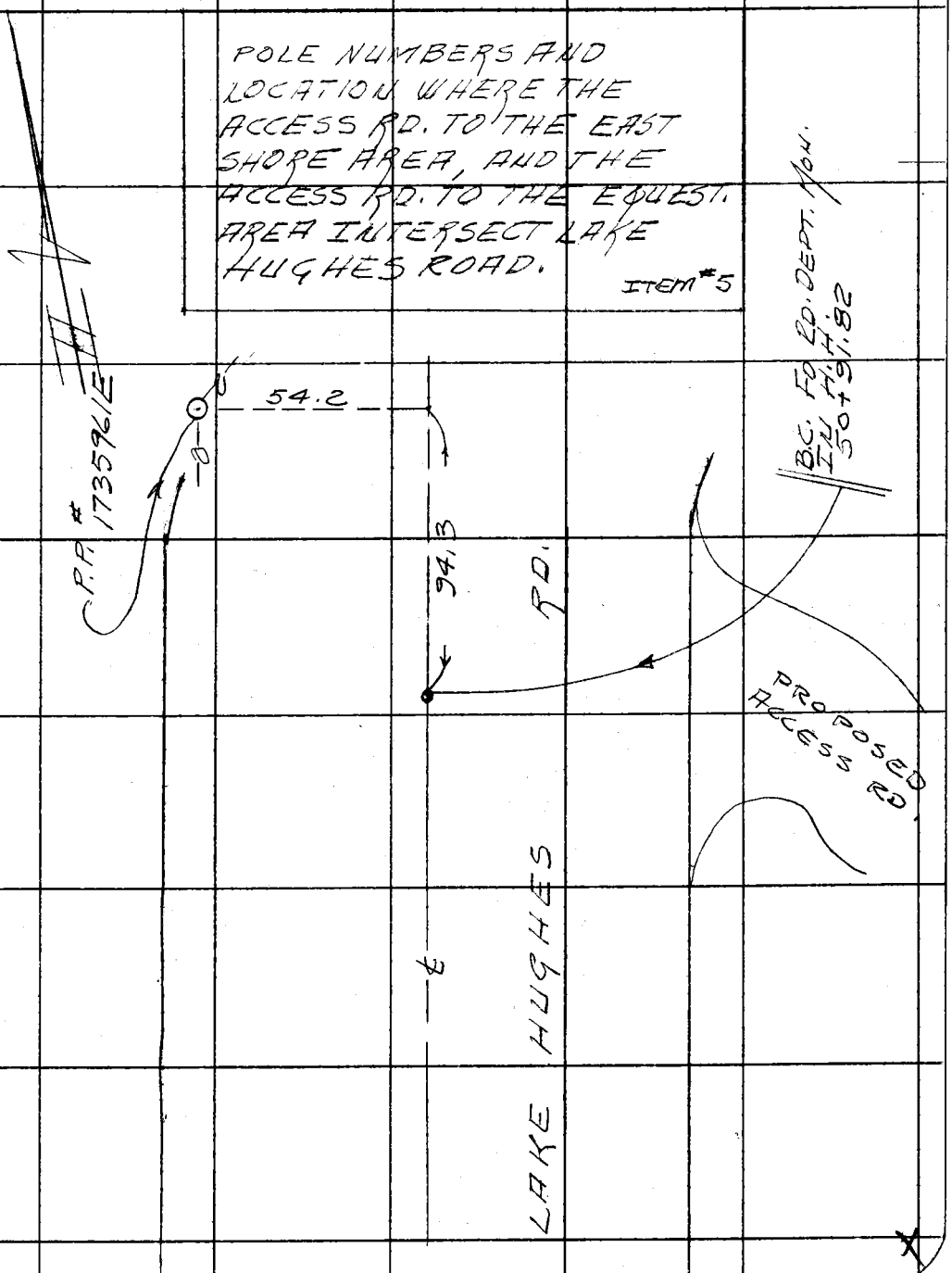
TOP PREVIOUS PAGE 43

Notes Ck'd by	Survey of CASTAIC REG. PARK
Map No.	JN 005612 Tape Std °F
Office Work	Surveyed by J. TERRAZAS
Checked	Notes J.T. Date 11-71
Date	Indexed J. GALLI NOV 18 '71

F. B. 3857 PG. 45

POLE NUMBERS AND LOCATION WHERE THE ACCESS RD. TO THE EAST SHORE AREA, AND THE ACCESS RD. TO THE EQUEST. AREA INTERSECT LAKE HUGHES ROAD.

ITEM #5



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F. B. 3857 PG. 46

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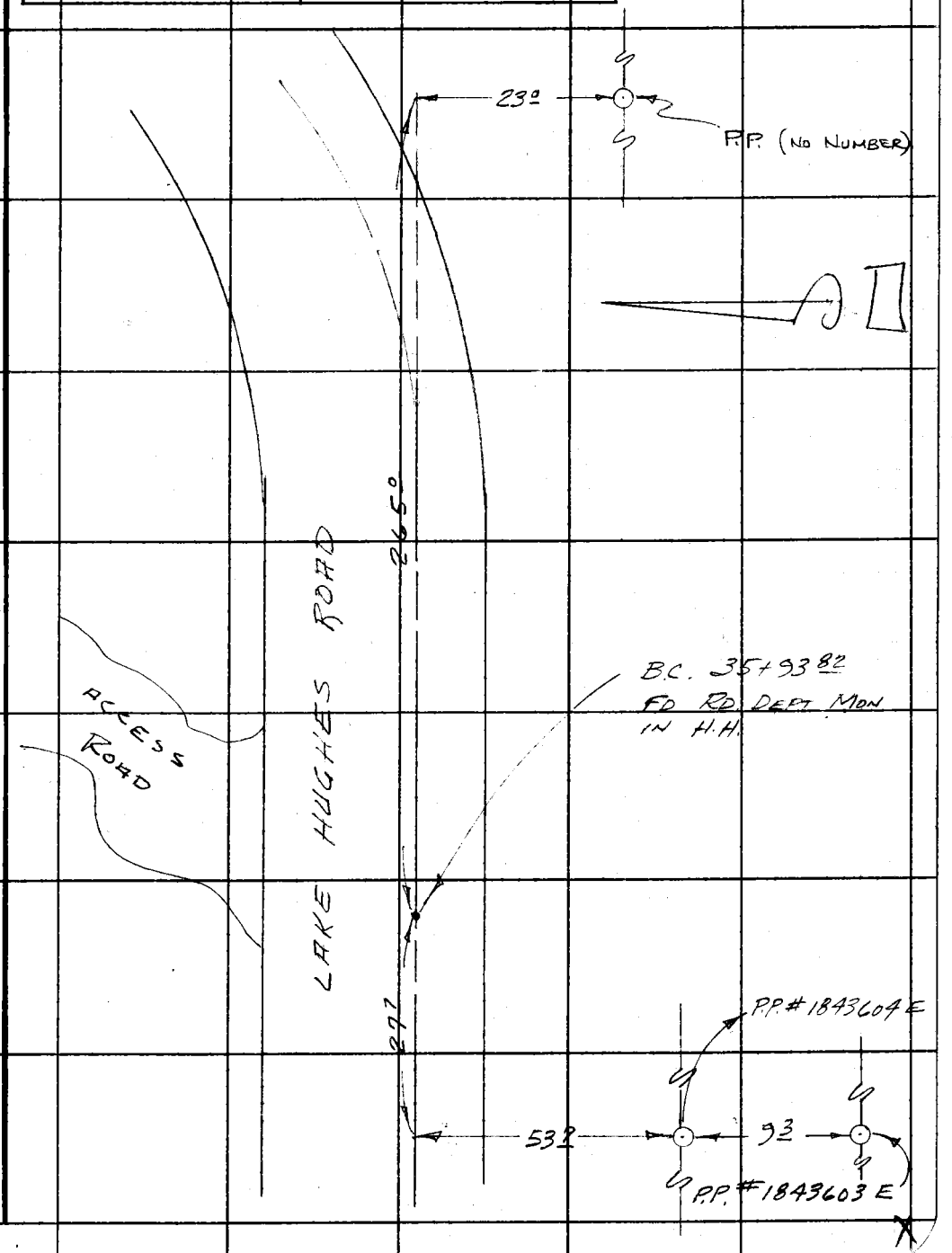
Notes Ck'd by	Survey of CASTAIC REG PARK
Map No.	JN 0056.12 Tape Std °F
Office Work	Surveyed by J. TERRANOVA
Checked	Notes R.A. Date 11/71
Date	Indexed C. J. GALL NOV 18 '71

F. B. 3857 PG. 47



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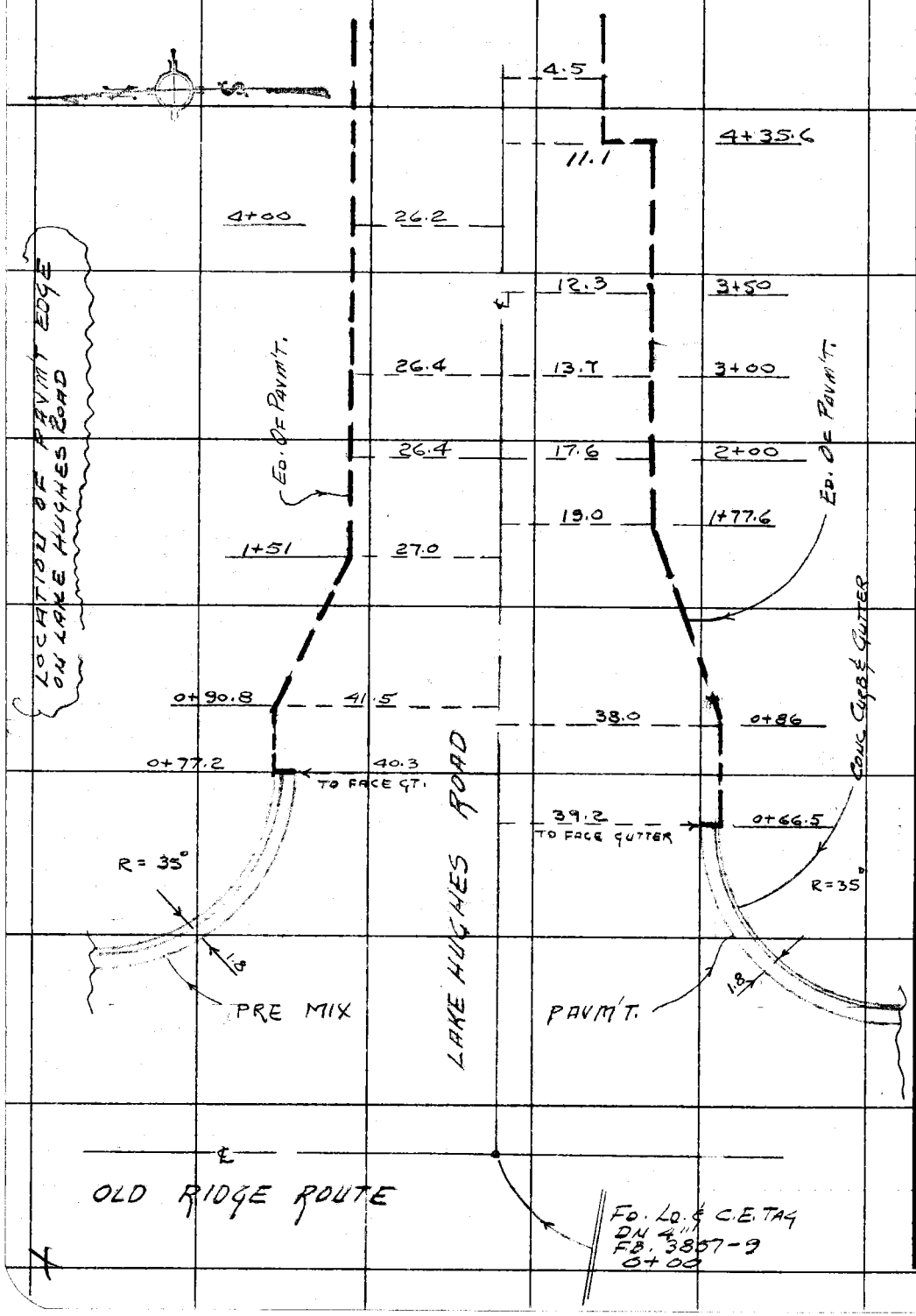
F. B. 3857 PG. 48

BT. PG. 40



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Notes Ck'd by	Survey of CASTAIC RES. AFTERBAY	F. B. 3857 PG. 49
Map No.	JN 0056.12 Tape Std °F	
Office Work	Surveyed by J. TERRANOVA	
Checked	Notes J.T. Date 11-71	
Date	Indexed C. J. GALLI DEC 7 71	

CASTAIC RESERVOIR AFTERBAY

BENCH LEVELS

VERTICAL CONTROL FOR AFTERBAY WITH ELEV.'S SET ON P/L PTS. AND TIE WITH DEPT. OF WATER RESOURCES DATA.

J.N. 0056.12

NOV. 1971

REF:
F.B. 3721 1970 ADJ.
DEPT OF WATER RESOURCES (1970)

PARTY
J. TERRANOVA
R. ALMANZAN
L. KEISNER
J. ZBYSENSKI

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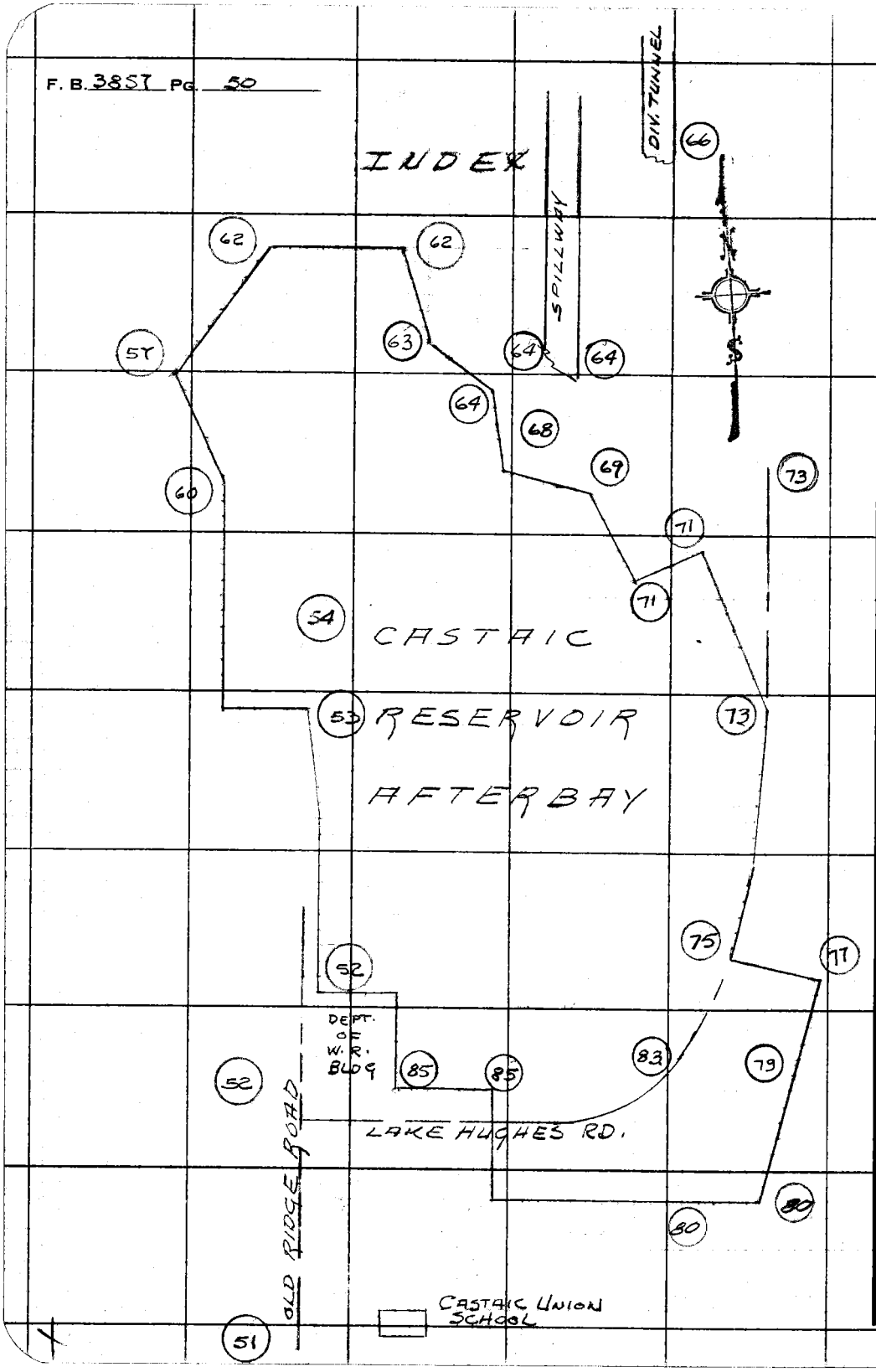
76F309S CE#310 3-69

F. B. 385T PG. 50



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76S420 S & E-353 9-55

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
208-74	1151 235				1151.235	B.M 208-74 = USC & GS - S-970 1964
+	3390		3484			LACRD BL 3032, EL. = 1151.235
⊼	1154625	-0968	0965			LAKE HUGHES ROAD, 0.15 MILE
-	4358		4449			SOUTH OF CASTAIC UNION SCHOOL
TP	1150267					AT BRIDGE NO. B-710 28.0 FEET
+	5310		5355			NORTH EAST OF THE CENTER OF A
⊼	1155577	+1120	1117			DIRT RD. 15.8 FT. WEST OF THE
-	4190		4238			CENTER OF LAKE HUGHES ROAD, SET
TP	1151387					IN THE TOP OF THE SOUTH END OF
+	5541		5489			THE WEST CONCRETE CURB OF BRIDGE,
⊼	1156928	+2551	2549			2.3 FEET NORTH WEST OF THE
-	2990		2940			SOUTH EAST CORNER OF CURB. A
TP	1153938					U.S.C. & GS BENCH MARK DISK SET
+	5750		5790			IN CONC. F.B. 3721-167
⊼	1159688	+2732	2731			NOTE: THIS BM SAME DESC. AS
-	3018		3059			SAN DIST BM #3032 EL 1151.08
T.P.	1156670					
+	5208		5229			
⊼	1161878	+1.178	1179			
-	4030		4050			
T.P.	1157848					
+	6126		6196			
⊼	1163974	+2823	2826			
-	3303		3370			
T.P.	1160671					
+	6384		6407			
⊼	1167055	+1619	1619			
-	4765		4788			
T.P.	1162290					

NOTES RED ____ JOB NO. 005612 SURVEY OF CASTAIC RESERVOIR AFTERBAY
DATE ____ SURVEY BY J. TERRANOVA
NOTES CHKD. RGB NOTES BY J.T. DATE 11-71
DATE 12-7-71 INDEXED C. J. GALLI DATE [illegible] 7 71

F. B. 3837 Pg. 51

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CASTAIC

JOB NO. 0056 12 SURVEY OF RESERVOIR AFTERBAY NOTES RED.
SURVEY BY J.T. TERRANOVA DATE
NOTES BY J.T. DATE 11-71 NOTES CHKD. RB 12
INDEXED C. J. GALLI DATE DATE 12-7-71

F.B. 3857 Pg. 52

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
	1162290					
+	5369		5419			
π	1167659	+2020	2020			
−	3349		3399			
BD. 208-73	1164310				1164.341	B.M. 208-73 - EL. = 1164.341 CASTAIC, 0.3 MILE NORTH OF CASTAIC UNION SCHOOL ALONG LAKE HUGHES RD. TO SOUTHERN CALIF. EDISON CO. TOWER NO. W 204/5, 113.3 FT. SLY. OF P.P. #248207E, 54.4 FT. NLY. OF P.P. #293578E, 37.5 FT. WEST OF THE APPROXIMATE ℄ OF THE RD. 7.5 FT. NORTHWEST OF THE SOUTHEAST LEG OF THE TOWER. SET IN THE TOP OF A 12" CONCRETE POST UP 4", A 2" DIA. MKR. PIPE IS 2.0 FT. TO THE EAST. A STD. L.A.CO. ENG. BUTTON BRASS CAP SET IN CONC. F.B. 3721 - 165
+	5465		5524			
π	1169.775	+1.037	1036			
−	4428		4488			
T.P	1165.347					
+	5103		5129			
π	1170.450	+0141	0139			
−	4962		4990			
C.A. #1	1165.488				1165.511	C.A.-1 - PROP. COR. EL. = 1165.511 OLD RIDGE RTE. & NEW LAKE HUGHES RD., 952.5 FT. N. THEREOF, 50.0 FT. EAST OF THE ℄ OF OLD RIDGE RTE. A 1" I.P. W/ WOOD PLUG & NL. 12" BELOW THE SURF. F.B. 3857-19
+	10.366		10470			
π	1175.854	+9882	9880			
−	0.484		0.590			
T.P.	1175.370					

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
	1175370					
+	8861		8920			
π	1184231	+8348	8349			
-	0513		0571			
TP	1183.718					
+	6380		6384			
π	1190.098	+0890	0891			
B.C. - SET	5490		5493			
C.A. 2	1184608				1184.621	C.A. 2 ~ PROP. COR. ~ EL. = 1184.621 OLD RIDGE RTE. INT OF OLD RIDGE RTE. & NEW LAKE HUGHES RD., 1566± NORTH THEREOF, 50.0 FT. EAST OF THE ℄ OF OLD RIDGE RTE. A STD. L.A. CO. ENGR. BRASS CAP MON. UP 2" STAMPED PROP. COR. F.B. 3857-15
+	7181		7206			
π	1191.789	+3957	3958			
-	3224		3248			
T.P.	1188.565					
+	6028		6049			
π	1194593	+0367	0363			
E.C. - SET	5661		5684			
C.A. 3	1188.932				1188.938	C.A. 3 ~ PROP. COR. ~ EL. = 1188.938 OLD RIDGE RTE. INT OF OLD RIDGE RTE. & NEW LAKE HUGHES RD., 1693 FT± NORTH THEREOF, 50.0 FT. EAST OF THE ℄ OF OLD RIDGE RTE. A STD. L.A. CO. ENGR. BRASS CAP MON UP 2" STAMPED PROP. COR. F.B. 3857-15
+	10362		10378			
π	1199294	+8652	8650			
-	1710		1728			
T.P.	1197584					
+	9120		9171			
π	1206704	+8690	8689			
-	0430		0482			
T.P.	1206274			7-10-74		C.A. 4 ~ PROP. COR. ~ EL. 1212.375 OLD RIDGE RTE INT. OF OLD RIDGE RTE. & NEW. LAKE HUGHES RD., 2293 FT± N. THEREOF, 50 FT EAST OF THE ℄ OF OLD RIDGE RTE. A STD. L.A. CO. ENGR. BRASS CAP MON UP 2", STAMPED PROP. COR. F.B. 3857-16
+	7692		7745	New El. CA-4 =		
π	1213966	+6104	6107	1212317, See		
SET -	1588		1638	F.B. 4316-10		
CA 4	1212378			El. No Good	1212.375	
				Mon. Moved 4-5-74 DLB		

NOTES RED ____ JOB NO. 005612 SURVEY OF CASTAIC RESERVOIR AFTERBAY
DATE ____ SURVEY BY J. TERRANOVA
NOTES CHKD. RGB NOTES BY L.T. DATE 11-71
DATE 12-7-71 INDEXED C. J. GALLI DATE OCT. '71

F.B. 3857 PG. 63

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
C.A.-4	1212378					
+	8712		8734			
π	1221090	+8182	8183			
−	0530		0551			
T.P.	1220560					
+	8790		8822			
π	1229350	+8168	8171			
−	0622		0651			
T.P.	1228728					
+	6226		6240			
π	1234954	+1414	1411			
−	4812		4829			
FD. 208-72	1230.142				1230.129	B.M. 208-72 = USC&GS X-370 EL. = 1230.129 — OLD RIDGE ROUTE 0.7 MILE NORTH OF CASTAIC UNION SCHOOL AT THE Y-JUNCTION OF OLD ELIZABETH LAKE CANYON RD., 90.7 FEET NORTHEAST OF P.POLE 648219E 29.0 FT. EAST OF THE APPROX. CENTER OF ROAD. 6.5 FT. SOUTH OF T.P. # 691746H, 2.2 FT. W. OF A BARBED WIRE FN. SET IN THE TOP OF A CONCRETE POST PROJECTING ABOUT 4" ABOVE THE GROUND. A USC&GS BENCH MARK DISK SET IN CONC. F.B. 3721-163
+	9664		9679			
π	1239806	+9388	9390			
−	0276		0289			
T.P	1239530					
+	9955		9963			
π	1249485	+9523	9521			
−	0432		0442			
TP	1249053					
+	11167		11202			
π	1260220	+10486	10485			
−	0681		0717			
TP	1259539					
+	11450		11477			
π	1270989	+10297	10297			
−	1153		1180			
TP	1269836					

JOB NO. 005612 SURVEY OF CASTAIC RESERVOIR AFTER BAY
SURVEY BY J. TERRANOVA
NOTES BY J.T. DATE 11-71
INDEXED C. J. GALLI DATE
NOTES RED. DATE
NOTES CHKD. RJB DATE 12-7-71

F.B. 3857 PG. 54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
	1269836					
+	10800		10840			
π	1280636	+1575	1574			
−	9225		9266			
TP	1271411					
+	3843		3846			
π	1275254	−5357	5356			
−	9200		9202			
TP	1266054					
+	7511		7569			
π	1273565	+4251	4252			
SET −	3260		3317			
CA-5	1270305				1270.290	CA-5 – PT. ON PROP LINE – EL. = 1270.290
+	11183		11253			NORTH, SOUTH CTR. OF SEC. LINE
π	1281488	+8662	8659			(SEC. 24), NLY 1/4 SEC. CORNER
−	2521		2594			1400 FT ± SLY. THEREOF, TOP OF
TP	1278967					SPUR, A 2" I.P. W/ CONC. PLUG. &
+	10465		10500			C.E. TAG UP 2", F.B. 3857-18
π	1289432	+8105	8105			
−	2360		2395			
TP	1287072					
+	11519		11540			
π	1298591	+10773	10774			
−	0746		0766			
TP	1297845					
+	11489		11464			
π	1309334	+9618	9619			
−	1871		1845			
TP	1307463					

NOTES RED ____ JOB NO. 005612 SURVEY OF CASTAIC RESERVOIR AFTERBAY
DATE ____ SURVEY BY J. TERRANOVA
NOTES CHKD. RGB NOTES BY J.T. DATE 11-71
DATE 12-7-71 INDEXED C. J. GALLI DATE DEC 7 '71

F.B. 3857 PG. 55 (3)

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SURVEY BY J.T. TERRANOVA
NOTES BY J.T. DATE 11-71
INDEXED G. J. GALLI DATE
NOTES RED. DATE
NOTES CHKD. RB DATE 12-7-71

CASTAIC

F.B. 3857 PG. 56

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TP	1307463					
+	11089		11068			
π	1318552	+9974	9975			
−	1115		1093			
TP	1317437					
+	11382		11431			
π	1328819	+9581	9581			
−	1801		1850			
TP	1327018					
+	9960		10468			
π	1336978	+8117	8116			
−	1843		2352			
TP	1335135					
+	4096		3869			
π	1339231	+6315	6313			
−	10411		10182			
TP	1328820					
+	4468		4450			
π	1333288	+1295	1293			
−	3173		3157			
TP	1330115					
+	0228		0200			
π	1330343	−3865	3863			
−	4093		4063			
TP	1326250					
+	4308		4344			
π	1330558	+3844	3845			
−	0464		0499			
TP	1330094					

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TP	1330094					
+	10755		10769			
⊼	1340849	+10241	10241			
−	0514		0528			CA-6 - PROP. CORNER - EL=1338.717
TP	1340335					NORTH SOUTH CTR. OF SECTION LINE
+	9006		9121			(SEC. 24) NLY 1/4 COR, 500± SLY.
⊼	1349341	−1602	1601			THEREOF & 390 FT ± WLY. AT NORTH
SET −	10608		10722			ELY. END OF BRICKYARD PROP. A 2"
CA-6	1338733				1338.717	I.P. W/CONC. PLUG & C.E. TAG FLUSH
+	5041		5078			F.B. 3857-27
⊼	1343774	+2043	2042			
SET −	2998		3036			EL= 1340.759
CA-7	1340.776				1340.759	CA-7 - 120 FT ± N. OF BM. CA6
+	4231		4.220			EAST SIDE OF CORR. IRON SHED.
⊼	1345.007	−1.239	1.240			CONC. BASE OF ROOF SUPPORT BEAM
−	5.470		5.460			22 FT ± NLY OF SLY END OF BLDG
TP	1339.537					A SMALL BT SPK & LD. SET IN CONC
+	2059		2.039			
⊼	1341.596	−8.577	8.575			
−	10.636		10.614			
TP	1330.960					
+	3798		3.769			
⊼	1334.758	−7.022	7.022			
−	10820		10791			
TP	1323938					
+	0.443		0.427			
⊼	1324.381	−9.084	9.083			
−	9.527		9.510			
TP	1314.854					

NOTES RED ____ JOB NO. 005612 SURVEY OF CASTAIC RESERVOIR AFTERBAY
DATE ____ SURVEY BY J. TERRANOVA
NOTES CHKD. RB NOTES BY J.T. DATE 11-71
DATE 12-7-71 INDEXED C. J. GALLI DATE [illegible]

F.B. 3857 Pg. 57

F. B. 3857 PG. 58

JOB NO. 005612 SURVEY OF CASTAIC RESERVOIR AFTERBAY NOTES RED.

SURVEY BY J. TERRANOVA DATE

NOTES BY J.T. DATE 11-71 NOTES CHKD. RGB

INDEXED C. J. GALLI DATE DATE 12-7-71

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TP	1314.854					
+	1.596		1.550			
π	1316.450	-8.386	8.388			
−	9.982		9.938			
TP	1306.468					
+	0.669		0.591			
π	1307.137	-9.571	9.570			
−	10.240		10.161			
TP	1296.897					
+	2.748		2.928			
π	1299.645	-6.481	6.481			
−	9.229		9.409			
TP	1290.416					
+	2.885		2.829			
π	1293.301	-7.567	7.569			
−	10.452		10.398			
TP	1282.849					
+	0.261		0.231			
π	1283.110	-9.839	9.837			
−	10.100		10.068			
TP	1273.010					
+	0.931		0.909			
π	1273.941	-9.527	9.530			
−	10.458		10.439			
TP	1263.483					
+	2.110		2.020			
π	1265.593	-8.795	8.794			
−	10.905		10.814			
TP	1254.688					

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
	1254688					
+	1730		1711			
π	1256418	-4657	4655			
-	6387		6366			
TP	1250031					
+	0582		0588			
π	1250613	-9621	9620			
-	10203		10208			
TP	1240410					
+	0749		0860			
π	1241159	-6427	6429			
-	7176		7289			
TP	1233983					
+	1587		1602			
π	1235570	-6704	6706			
-	8291		8308			
TP	1227279					
+	1008		1029			
π	1228287	-8821	8821			
-	9829		9850			
TP	1218458					
+	1210		1172			
π	1219668	-7145	7146			
-	8355		8318			
TP	1211313					
+	1511		1495			
π	1212824	-7952	7953			
-	9463		9448			
TP	1203361					

NOTES RED _____ JOB NO. 005612 SURVEY OF RESERVOIR AFTERBAY CASTAIC
DATE _____ SURVEY BY J. TERRAUBIA
NOTES CHKD. RGB NOTES BY J.T. DATE 11-71
DATE 12-7-71 INDEXED C. J. GALLI DATE DEC '71

F.B. 3851 Pg. 59

768420 S & E-353 9-55

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JOB NO. 005612 SURVEY OF CASTAIC RESERVOIR AFTERBAY
SURVEY BY J.T. TERRANOVA DATE 11-71
NOTES BY C. J. GALLI DATE
INDEXED DATE
NOTES RED. DATE
NOTES CHKD. R.B. DATE 12-7-71

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
	1203 361					
+	1797		1789			
π	1205 158	-5392	5393			
-	7189		7182			
TP	1197 969					
+	1199		1267			
π	1199 168	-6062	6061			
-	7261		7328			
TP	1191 907					
+	3601		3631			
π	1195 508	-0839	0840			
-	4440		4471			
TP	1191 068					
+	5175		5179			
π	1196 243	+2093	2093			
-	3082		3086			
SET CA-8	1193 161				1193.136	CA-8 PROPERTY COR., ANGLE PT. EL = 1193.136 ELEV = NORTH SOUTH CTR. OF SECTION LINE (SEC. 24), NLY. 1/4 COR., 1068± SLY. THEREOF, EDGE OF FLAT, A 2" I.P. W/CONC. PLUG & C.E. TAG F.B. 3857-26
+	3179		3189			
π	1196340	-2091	2094			
-	5270		5283			
TP	1191070					
+	4200		4215			
π	1195270	-0220	0223			
-	4420		4438			
TP	1190850					
+	5103		5130			
π	1195953	-0816	0816			
-	5924		5946			
TP	1190029					

F.B. 3857 PG. 60

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
	1190029					
+	3804		3839			
π	1193833	+1313	1314			
−	2491		2525			
TP	1191342					
+	5112		5141			
π	1196454	+1316	1319			
−	3796		3822			
SET CA-9	1192658				1192.633	CA-9 - 1/4 SEC. CORNER, ELEV.=1192.633
+	2770		2711			NLY. 1/4 SEC. CORNER OF SEC. 24,
π	1195428	-3210	3209			A STD. BRASS CAP MON. MKD.
−	5980		5920			COUNTY SURVEYOR, T5N, R17W,
TP	1189448					1/4 COR, SEC. 13 & 24, DN. 6"
+	4295		4243			F.B. 3857-25
π	1193743	-1260	1257			
−	5555		5500			
TP	1188188					
+	11442		11507			
π	1199630	+11201	11199			
−	0241		0308			
TP	1199389					
+	10602		10760			
π	1209991	+7963	7962			
−	2639		2798			
TP	1207352					
+	10770		10739			
π	1218122	+8658	8658			
−	2112		2081			
TP	1216010					

NOTES RED _____ JOB NO. 005612 SURVEY OF CASTAIC RESERVOIR AFTERBAY
DATE _____ SURVEY BY J. TERRANOVA
NOTES CHKD. RJB NOTES BY J.T. DATE 11-71
DATE 12-7-71 INDEXED C. J. GALLI DATE 12-7-71

F.B. 3857 (Pg. 61)

768420 S & E-353-9-55

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NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line

JOB NO. 005612 SURVEY OF CASTAIC RESERVOIR AFTERBAY
SURVEY BY J.T. TERRANOVA
NOTES BY J.T. DATE 11-71
INDEXED C. J. GALLI DATE
NOTES RED. DATE
NOTES CHKD. RCB DATE 12-7-71

F.B. 3857 PG. 62

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
	1216 010					
+	11125		11095			
π	1227135	+10039	10042			
−	1086		1053			
TP	1226049					
+	11357		11322			
π	1237406	+8557	8556			
−	2800		2766			
TP	1234606					
+	11019		11000			
π	1245625	+5541	5540			
−	5478		5460			
SET CA-10	1240147				1240.121	CA-10 - PROP. CORNER, ANGLE PT., ELEV.=1240.121 1/4 SEC. COR., NLY 1/4 SEC. COR. OF SEC. 24, 450 FT ± NLY. & 600 FT ± ELY. THEREOF ON SIDEHILL, A 2" I.P. W/ CONC. PLUG & C.E. TAG, UP 2" FB 3857-28
+	5659		5640			
π	1245806	-5389	5389			
−	11048		11029			
TP	1234758					
+	8498		8339			
π	1243256	+4031	4030			
−	4467		4309			
SET CA-11	1238789				1238.762	CA-11 - PROP. COR., ANGLE PT. ELEV.=1238.762 1/4 SEC. COR., NLY. 1/4 SEC. COR. OF SEC. 24 450 FT ± NLY. & 858 FT ± ELY. THEREOF, TOP OF SMALL SPUR A 2" I.P. W/ CONC. PLUG & C.E. TAG, UP 2" F.B. 3857-28
+	0359		0393			
π	1239148	-10849	10850			
−	11208		11243			
TP	1227940					
+	0486		0408			
π	1228426	-10979	10981			
−	11465		11389			
TP	1216961					

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Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
	1216961					
+	0903		0818			
π	1217864	-10867	10870			
-	11770		11688			
TP	1206094					
+	2671		2603			
π	1208765	-7122	7122			
-	9793		9725			
TP	1198972					
+	4080		4100			
π	1203052	-7347	7348			
-	11427		11448			
TP	1191625					
+	0337		0381			
π	1191962	-7701	7703			
-	8038		8084			
TP	1183924					
+	4800		4842			
π	1188724	+0267	0264			
-	4533		4578			
SET CA-12	1184191				1184.157	CA-12 PROP. CORNER ANGLE PT. ELEV.= 1184.157 SLY. END OF CONC. SPILLWAY, WEST SIDE OF SPILLWAY, 250 FT ± WLY. & 110 FT. NLY. THERE OF, ELY. SIDE OF LARGE FLAT, 25 FT ± WLY. OF BREAK TO DRAIN, A 2" I.P. W/ CONC. PLUG & C.E. TAG. F.B. 3857 -
+	0775		0741			
π	1184966	-10264	10264			
-	11039		11005			
TP	1173927					
+	3111		3141			
π	1177038	-7359	7359			
-	10470		10500			
SET CA-13	1166568					

NOTES RED _____ JOB NO. 005612 SURVEY OF CASTAIC RESERVOIR AFTERBAY
DATE _____ SURVEY BY J. TERRANOVA
NOTES CHKD. RGB NOTES BY J.T. DATE 11-71
DATE 12-7-71 INDEXED C. J. GALLI DATE [illegible]

F.B. 3857 Pg. 63

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
CA 13	1166568				1166.533	CA-13 - PROP. COR. ANGLE PT. ELEV.= 1166.533 SLY. END OF CONC. SPILLWAY WEST SIDE OF SPILLWAY, 170 FT ± WLY. & 65 FT ± SLY. THEREOF, ON SIDEHILL SLOPE TO DRAIN, A 2" I.P. W/ CONC. PLUG & C.E. TAG F.B. 3857-
+	1000		1035			
π	1167568	-9190	9190			
-	10190		10225			
TP	1157378					
+	1777		1812			
π	1159155	-2352	2352			
-	4129		4164			
TP	1155026					
+	8547		8435			
π	1163573	+8017	8018			
-	0530		0417			
SET CA-14	1163043				1163.009	CA-14 - ELEV.=1163.009 SLY. END OF CONCRETE SPILLWAY WEST SIDE OF SPILLWAY, 110 FT ± NLY. THEREOF, TOP OF CONCRETE SPILLWAY WALL, AT CHANGE OF GRADE IN GROUND, A SMALL BT. SPK. & LD. SET IN TOP OF WALL
+	0361		0340			
π	1163404	-0043	0042			
-	0404		0382			
SET CA 15	1163000				1162.956	CA-15 - ELEV.= SLY. END OF CONCRETE SPILLWAY, EAST SIDE OF SPILLWAY, 110 FT ± NLY. THEREOF, TOP OF CONCRETE SPILLWAY WALL, AT CHANGE OF GRADE IN GROUND, A SMALL BT. SPK. & LD., SET IN TOP OF WALL
+	0309		0273			
π	1163309	-6160	6159			
-	6469		6432			
TP	1156840					
+	5721		5731			
π	1162561	+5488	5486			
-	0233		0245			
TP	1162328					

CASTAIC

JOB NO. 005612 SURVEY OF RESERVOIR AFTERBAY NOTES RED.
SURVEY BY J. TERRANOVA DATE
NOTES BY J.T. DATE 11-71 NOTES CHKD. RBB
INDEXED C. J. GALLI DATE DATE 12-7-71

F.B. 3857 PG. 64

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
	1162328					
+	10802		10763			
π	1173130	+10508	10509			
−	0294		0254			
TP	1172836					
+	11495		11388			
π	1184331	+10898	10899			
−	0597		0489			
TP	1183734					
+	11946		11917			
π	1195680	+11412	11411			
−	0534		0506			
TP	1195146					
+	1028		1061			
π	1196174	−9755	9754			
−	10783		10815			
TP	1185391					
+	4898		4928			
π	1190289	+0238	0235			
−	4660		4693			
TP	1185629					
+	3472		3534			
π	1189101	+0835	0834			
−	2637		2700			
TP	1186464					
+	10676		10751			
π	1197140	+3534	3531			
−	7142		7220			
TP	1189998					

NOTES RED ____ JOB NO. 005612 SURVEY OF CASTAIC RESERVOIR AFTERBAY
DATE ____ SURVEY BY J. TERRANOVA
NOTES CHKD. RDB NOTES BY J.T. DATE 11-71
DATE 12-7-71 INDEXED C. J. GALLI DATE DEC 71

F.B. 3857 Pg. 65

766420 S & E-353 9-55

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JOB NO. 005<12 SURVEY OF RESERVOIR AFTERBAY
SURVEY BY J.T. TERRANOVA
NOTES BY C. J. GALLI DATE 11-71
INDEXED DATE
NOTES RED. DATE
NOTES CHKD. RLB DATE 12-7-71

CASTAIC

F.B. 3857 PG. 66

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
	1189998					
+	2270		2399			
π	1192268	-5340	5341			
−	7610		7740			
TP	1184658					
+	4700		4770			
π	1189358	+3268	3269			
−	1432		1501			
TP	1187926					
+	11524		11624			
π	1199450	+8085	8088			
−	3439		3536			
TP	1196011					
+	8732		8765			
π	1204743	+1213	1216			
−	7519		7549			
SET CA-16	1197224				1197.187	CA-16 ~ ELEV. = 1197.187 ENERGY DISSIPATOR BLDG. 215 FT ± WLY. FROM THE MOST WLY. CORNER, EAST WALL OF DIVERSION TUNNEL, 9.5 FT NLY. OF GRADE CHANGE IN WALL, 59 FT ± WLY. OF P.P. #1845967E, ALSO LISTED AS B.M. - C.D.T. 54+15 EL. = 1197.210, DEPT. OF WATER RESOURCES JUNE 1970, A DEPT. OF WATER RESOURCES BRASS CAP SET IN TOP OF CONC. WALL.
+	2665		2696			
π	1199889	-4125	4124			
−	6790		6820			
TP	1193099					
+	4665		4680			
π	1197764	-1024	1021			
−	5689		5701			
TP	1192075					
+	4152		4173			
π	1196227	-2200	2203			
−	6352		6376			
TP	1189875					

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
	1189875					
+	3962		3974			
π	1193837	-1413	1415			
-	5375		5389			
TP	1188462					
+	4207		4213			
π	1192669	-1067	1066			
-	5274		5279			
TP	1187395					
+	3786		3828			
π	1191181	-2253	2251			
-	6039		6079			
TP	1185142					
+	4288		4325			
π	1189430	-1174	1175			
-	5462		5500			
TP	1183968					
+	4479		4541			
π	1188447	-0810	0809			
-	5289		5350			
TP	1183158					
+	3972		4015			
π	1187130	-1816	1816			
-	5788		5831			
TP	1181342					
+	4057		4135			
π	1185399	-0813	0814			
-	4870		4949			
SET CA-17	1180529					

NOTES RED ____ JOB NO. 005612 SURVEY OF CASTAIC RESERVOIR AFTERBAY
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NOTES CHKD. RDB NOTES BY JT DATE 11-71
DATE 12-7-71 INDEXED C. J. GALLI DATE DEC 7 '71

F. B. 3857 PG. 67

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JOB NO. 005612 SURVEY OF RESERVOIR AFTERBAY
SURVEY BY J. TERRANOVA
NOTES BY JT DATE 11-71
INDEXED C. J. GALLI DATE
NOTES RED. DATE
NOTES CHKD. RGB DATE 12-7-71

F.B. 3857 PG. 68

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
CA-17	1180.529				1180.491	CA-17 ~ ELEV. = 1180.491 EAST SIDE OF WATER AREA, EAST WEST PROP. LINE OF AFTERBAY WHICH CROSSES WATER AREA (S74-46-08E), 770 FT ± NLY. THEREOF, WLY. EDGE OF TRAVELED DIRT ROAD, AT VALVE BOX ASSEMBLY 2FT X 2FT CONC. VALVE BOX MKD I.M.W.D. A LEAD & TK. IN S.E. COR. OF CONC. BOX.
+	3880		3939			
π	1184409	-0983	0982			
−	4863		4921			
TP	1179546					
+	5038		5099			
π	1184584	+0518	0519			
−	4520		4580			
TP	1180064					
+	4412		4431			
π	1184476	-0519	0519			
−	4931		4950			
TP	1179545					
+	5101		5108			
π	1184646	-2561	2560			
−	7662		7668			
SET CA-18	1176.984				1176.946	CA-18 ~ ELEV. = 1176.946 EAST SIDE OF WATER AREA EAST WEST PROP. LINE OF AFTERBAY WHICH CROSSES WATER AREA (S74-46-08E), 285 FT ± NLY. THEREOF WLY. EDGE OF TRAVELED DIRT ROAD, AT BREAK TO WATER AREA, A METROPOLITAN WATER DISTRICT BRASS CAP MON. STAMPED 230 JA - 1967
+	6728		6836			
π	1183712	+6332	6333			
−	0396		0503			
TP	1183316					
+	10824		10851			
π	1194140	+10605	10608			
−	0219		0243			
TP	1193921					
+	9809		9865			
π	1203730	+9324	9323			
−	0485		0542			
TP	1203245					

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
	1203 245					
+	10255		10285			
π	1213 500	+9731	9731			
-	0524		0554			
TP	1212 976					
+	10710		10733			
π	1223 686	+10375	10375			
-	0335		0358			
TP	1223 351					
+	11865		11883			
π	1235 216	+11490	11487			
-	0375		0396			
TP	1234 841					
+	10457		10479			
π	1245 298	+10274	10274			
-	0183		0205			
TP	1245 115					
+	8740		8793			
π	1253 855	+2365	2364			
-	6375		6429			
SET CA-19	1247480				1247.440	PROP. CORNER, ANGLE PT.
+	11881		11870			ELEV. = EAST SIDE OF
π	1259 361	+11665	11668			WATER AREA, ELY. END OF PROP.
-	0216		0202			LINE WHICH CROSSES WATER AREA
TP	1259 145					(S74-46-08E), ON SIDEHILL WLY.
+	11911		11931			OF FLAT AREA 10FT± IN VERTICAL
π	1271 056	+11346	11347			DISTANCE BELOW ELEV. OF FLAT.
-	0565		0584			A 2" I.P W/ CONC. PLUG & C.E.
TP	1270 491					TAG. F.B. 3857-34

NOTES RED _____ JOB NO. 005612 SURVEY OF CASTAIC RESERVOIR AFTERBAY
DATE _____ SURVEY BY J. TERRANOVA
NOTES CHKD. RGB NOTES BY J.T. DATE 11-71
DATE 12-7-71 INDEXED C. J. GALLI DATE ~~SEP 7 71~~

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
	1270491					
+	11368		11381			
π	1281859	+10854	10856			
−	0514		0525			
TP	1281345					
+	10079		10108			
π	1291424	+9430	9430			
−	0649		0678			
TP	1290775					
+	10989		10957			
π	1301764	+10527	10529			
−	0462		0428			
TP	1301302					
+	10449		10486			
π	1311751	+6981	6983			
−	3468		3503			
TP	1308283					
+	9845		9813			
π	1318128	+7775	7775			
−	2070		2038			
TP	1316058					
+	11890		11862			
π	1327948	+11492	11494			
−	0398		0368			
TP	1327550					
+	11329		11350			
π	1338879	+10773	10775			
−	0556		0575			
TP	1338323					

CASTAIC

JOB NO. 005612 SURVEY OF RESERVOIR AFTER BAY

SURVEY BY J. TERRANOVA

NOTES BY JT DATE 11-71

INDEXED C. J. GALLI DATE

NOTES RED. DATE

NOTES CHKD. RGB DATE 12-7-71

F. B. 3857 PG. 70

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
	1338323					
+	4123		4835			
⊼	1342446	-4972	4973			
-	9095		9808			CA-20
SET CA-20	1333351				1333.316	PROPERTY COR. ANGLE PT.
+	11444		11433			ELEV.=1333.316 EAST SIDE OF
⊼	1344795	+10497	10494			AFTERBAY ON STEEP SIDEHILL
-	0947		0939			SLOPE IN VICINITY OF DRAIN
TP	1343848					THAT RUNS IN A ELY. & WLY.
+	10554		10575			DIRECTION 70FT± SLY. OF SAID
⊼	1354402	+6300	6299			DRAIN, 450 FT± WLY. OF SURGE
-	4254		4276			CHAMBER, A 2" I.P. W/CONC. PLUG
TP	1350148					& C.E. TAG F.B. 3857-33
+	10888		11341			
⊼	1361036	+7592	7591			
-	3296		3750			
TP	1357740					
+	9071		9048			
⊼	1366811	+2215	2218			
-	6856		6830			
SET CA-21	1359955				1359.916	CA-21 - PROPERTY COR. ANGLE PT.
+	11972		11989			ELEV.=1359.916 EAST SIDE OF
⊼	1371927	+8914	8912			AFTERBAY, ON SIDEHILL SLOPE
-	3058		3077			IN VICINITY OF DRAIN THAT RUNS
TP	1368869					IN A ELY. & WLY. DIRECTION, 50FT±
+	11853		11870			NLY. OF SAID DRAIN, 100FT± SLY.
⊼	1380722	+11320	11321			OF MOST ELY. & HIGHEST PT. OF
-	0533		0549			CONCRETE "V" DRAIN, 400 FT± WLY. OF
TP	1380189					SURGE CHAMBER, A 2" I.P. W/CONC PLUG
						& C.E. TAG F.B. 3857-33

NOTES RED _____ JOB NO 005612 SURVEY OF RESERVOIR AFTERBAY
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NOTES CHKD. RDD NOTES BY _____ DATE 11-71
DATE 12-7-71 INDEXED C. J. GALLI DATE DEC 7 71

CASTAIC

F.B. 3857 Pg. 71

F. B. 3857 PG. 72

JOB NO. 005612 SURVEY OF CASTAIC RESERVOIR AFTERBAY NOTES RED.

SURVEY BY J. TERRANOVA DATE

NOTES BY J.T. DATE 11-71 NOTES CHKD. RGB

INDEXED C. J. GALLI DATE DATE 12-7-71

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
+	1380189		11900			
π	11888	+11339	11341			
-	1392077		0559			
TP	0549					
+	1391528		11813			
π	11849	+9705	9703			
-	1403377		2110			
TP	2144					
+	1401233		11290			
π	11248	+9638	9635			
-	1412481		1655			
TP	1610					
+	1410871		11474			
π	11218	+10406	10406			
-	1422089		1068			
TP	0812					
+	1421277		11651			
π	11360	+11015	11017			
-	1432637		0634			
TP	0345					
+	1432292		11353			
π	10780	+7121	7123			
-	1443072		4230			
TP	3659					
+	1439413		11712			
π	11693	+11324	11323			
-	1451106		0389			
TP	0369					
	1450737					

X

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
	1450 737					
+	7878		7869			
π	1458615	+2131	2131			
-	5747		5738			
SET CA-22	1452868				1452.828	CA-22 ~ ELEV. = 1452.828 LAKE HUGHES ROAD, CENTERLINE STA. 84+20.23 B.C., P.P.# 1735970E, 125 FT ± SLY. THEREOF, 300 FT ± ELY. OF SURGE CHAMBER, ALSO LISTED AS NL HR No 6, DEPT. OF WATER RESOURCES BENCH LEVELS (1970) EL. = 1452.801, A STD. RD. DEPT. BRASS CAP MON. W/ CASING AND COVER ON & OF NEW LAKE HUGHES ROAD.
+	1971		2003			
π	1454 839	-7221	7220			
-	9192		9223			
TP	1445647					
+	1934		1845			
π	1447581	-7208	7208			
-	9142		9053			
TP	1438439					
+	0500		0468			
π	1438939	-9316	9314			
-	9816		9782			
TP	1429123					
+	1446		1460			
π	1430569	-8414	8413			
-	9860		9873			
TP	1420709					
+	3020		3039			
π	1423729	-6215	6213			CA-23 ~ PROP. COR. ~ AUGLE PT.
-	9235		9252			ELEV. = 1414.455 LAKE HUGHES ROAD
SET CA-23	1414 494				1414.455	300 FT ± S. ELY. OF SURGE CHAMBER,
+	9261		9278			70 FT ± WLY. OF & OF LAKE HUGHES'
π	1423755	+3942	3943			RD., 300 FT ± SLY. OF P.P. 1735969E ON
-	5319		5335			SIDE HILL, A 2" I.P. W/ CONC. PLUG &
TP	1418436					C.E. TAG, UP 2"
						FB. 3857-29

NOTES RED _____ JOB NO 005612 SURVEY OF CASTAIC RESERVOIR AFTERBAY
DATE _____ SURVEY BY J. TERRANOVA
NOTES CHKD. RCB NOTES BY C. J. GALL DATE 11-71
DATE 12-7-71 INDEXED _____ DATE 12 7 71

F.B. 3857 Pg. 73

768420 S & E-353 9-55

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NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line

JOB NO. 005612 SURVEY OF CASTAIC RESERVOIR AFTERBAY
SURVEY BY J. TERRANOVA DATE 11-71
NOTES BY J.T. DATE
INDEXED C. J. GALLI DATE
NOTES RED. DATE
NOTES CHKD. RGB DATE 12-7-71

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
	1418436					
+	0250		0260			
⊼	1418686	-8948	8945			
-	9198		9205			
TP	1409488					
+	0466		0429			
⊼	1409954	-11523	11522			
-	11989		11951			
TP	1397965					
+	0260		0265			
⊼	1398225	-11139	11139			
-	11399		11404			
TP	1386826					
+	0378		0392			
⊼	1387204	-8804	8803			
-	9182		9195			
TP	1378022					
+	0648		0621			
⊼	1378670	-5191	5194			
-	5839		5815			
SET CA 24	1372831				1372.~~792~~	CA-24 ~ ELEV. = 1372.792 LAKE HUGHES ROAD, CENTERLINE STA. 68+50±, 50 FT± ELY. OF ℄ OF ROAD. 20 FT± NLY. OF SMALL DRAIN & AT FOOT OF BANK A DEPT. OF WATER RESOURCES BRASS CAP SET IN CONC, STAMPED CM-11 FLUSH WITH GROUND
+	0428		0385			
⊼	1373259	-10900	10903			
-	11328		11288			
TP	1361931					
+	0934		0.900			
⊼	1362865	-7364	7363			
-	8298		8263			
SET CA-25	1354.567					

F.B. 3857 PG. 74

76S420 S & E-353 9-55

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
SET CA-25	1354 567				1354.526	CA-25 – ELEV.=1354.526 LAKE
+	0863		0851			HUGHES ROAD, CENTERLINE STATION
⊼	1355 430	-8435	8435			66+41 30 E.C., P.P.# 1735965E 90 FT ±
–	9298		9286			SLY. THEREOF, ALSO LISTED AS
TP	1346 132					NLHR #5 DEPT. OF WATER RESOURCES
+	1735		1740			BENCH LEVELS (1970) EL.=1354.504 A
⊼	1347 867	+0843	0840			STD. ROAD DEPT. BRASS CAP MON. W/
–	0892		0900			CASING & COVER ON ℄ OF NEW LAKE
TP	1346975					HUGHES ROAD FB. 3857-29
+	4107		4085			
⊼	1351082	+2159	2156			
–	1948		1929			
SET CA-26	1349134				1349.090	CA-26 – PROP CORNER, ANGLE PT.
+	2698		2673			ELEV.= 1349.090 LAKE HUGHES RD.,
⊼	1351832	-7499	7502			CENTERLINE STA. 63+00 ± TRANS.
–	10197		10175			POLE # 1735964E 60 FT. ± NLY. THEREOF
TP	1341635					80 FT ± NLY. OF 6 FT. X 8 FT CONC. WATER
+	9331		9283			VALVE BOX, WEST SIDE OF LAKE
⊼	1350966	+8858	8860			HUGHES ROAD AT TOP OF CUT BANK,
–	0473		0423			A 2" IP W/ CONC PLUG & C.E. TAG
TP	1350493					F.B. 3857-24
+	9863		9899			
⊼	1360356	+9635	9637			
–	0228		0262			
TP	1360128					
+	11438		11360			
⊼	1371566	+10769	10770			
–	0669		0590			
TP	1370897					

NOTES RED _____ JOB NO. 005612 SURVEY OF CASTAIC RESERVOIR AFTER BAY
DATE _____ SURVEY BY J. TERRANOVA
NOTES CHKD. RDB NOTES BY JT DATE 11-71
DATE 12-7-71 INDEXED C. J. GALLI DATE DEC 7 '71

F.B. 3857 Pg. 75

F.B. 3857 PG. 76

CASTAIC

JOB NO. 005612 SURVEY OF RESERVOIR AFTERBAY NOTES RED.

SURVEY BY J. TERRANOVA DATE

NOTES BY JT DATE 11-71 NOTES CHKD. RGB

INDEXED C. J. GALLI DATE DATE 12-7-71

765420 S & E-353-9-55

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Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
+	1370897		2889			
π	2984					
-	1373881	+1938	1940			
TP	1046		0949			
+	1372835					
π	11239		11189			
-	1384074	+7181	7178			
TP	4058		4011			
+	1380016					
π	11773		11734			
-	1391789	+10985	10986			
TP	0788		0748			
+	1391001					
π	10819		10832			
-	1401820	+9342	9341			
TP	1477		1491			
+	1400343					
π	10923		11470			
-	1411266	+10463	10464			
TP	0460		1006			
+	1410806					
π	11684		11719			
-	1422490	+9935	9936			
TP	1749		1783			
+	1420741					
π	10673		10710			
-	1431414	+4218	4220			
TP	6455		6490			
	1424959					

76S420 S & E-353 9-55

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
	1424.959					
+	10341		10315			
π	1435 300	-1128	1130			
-	11469		11445			
TP	1423.831					
+	10280		10300			
π	1434 111	-0919	0922			
-	11199		11222			
SET CA-27	1422.912				1422.866	CA-27 ~ PROP. CORNER ANGLE PT., ELEV. = 1422.866 LAKE HUGHES ROAD, STA. 63+00± EAST SIDE OF LAKE HUGHES ROAD 210 FT± ELY. OF THE ℄ OF LAKE HUGHES ROAD ON SIDEHILL A 2" I.P. W/ CONC. PLUG & C.E. TAG, F.B. 3857-23
+	11270		11281			
π	1434 182	+9776	9776			
-	1494		1505			
TP	1432688					
+	11310		11544			
π	1443998	+10321	10322			
-	0989		1222			
TP	1443009					
+	11495		11474			
π	1454504	+7985	7984			
-	3510		3490			
TP	1450994					
+	10698		10731			
π	1461692	+9120	9119			
-	1578		1612			
TP	1460114					
+	2885		2900			
π	1462999	-8204	8207			
-	11089		11107			
TP	1451910					

NOTES RED ____ JOB NO. 005612 SURVEY OF CASTAIC RESERVOIR AFTERBAY
DATE ____ SURVEY BY J. TERRANOVA
NOTES CHKD. RGD NOTES BY LT DATE 11-71
DATE 12-7-71 INDEXED C. J. GALLI DATE [illegible] 7 71

F.B. Pg. 77

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JOB NO. 005612 SURVEY OF CASTAIC RESERVOIR AFTERBAY
SURVEY BY J. TERRANOVA
NOTES BY C. J. GALLI DATE 11-71
INDEXED DATE
NOTES RED. DATE
NOTES CHKD. RGB DATE 12-7-71

F. B. 3857 PG. 78

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
	1451 910					
+	0881		0906			
π	1452 791	-10667	10666			
−	11548		11572			
TP	1441 243					
+	0709		0715			
π	1441 952	-10996	10997			
−	11705		11712			
TP	1430 247					
+	0362		0389			
π	1430609	-11052	11051			
−	11414		11440			
TP	1419195					
+	1566		1581			
π	1420761	-9618	9619			
−	11184		11200			
TP	1409577					
+	0777		0816			
π	1410354	-10752	10753			
−	11529		11569			
TP	1398 825					
+	0327		0294			
π	1399152	-11014	11015			
−	11341		11309			
TP	1387.811					
+	3631		3589			
π	1391442	-6577	6579			
−	10208		10168			
SET CA-28	1381 234					

4

765420 S & E-353 9-55

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
SET CA 28	1381 234				1381.181	CA-28 ~ ELEV. = 1381.181
+	7711		7699			ELY. PROPERTY LINE OF AFTERBAY,
π	1388945	+1839	1839			S. ELY. PROPERTY CORNER OF AFTERBAY
−	5872		5860			1232 FT ± NLY. & 152 FT ± WLY. THERE OF
TP	1383073					30 FT ± WLY. OF DIRT ROAD, ON A FLAT,
+	5259		5286			A 4"X4" CONC. MON. W/BRASS CAP,
π	1388332	−0296	0295			UP 2" STAMPED METROPOLITAN
−	5555		5581			WATER DIST. OF SOUTH. CALIF. - 15-LLR
TP	1382777					
+	3732		3792			
π	1386509	−3813	3816			
−	7545		7608			
TP	1378964					
+	1351		1394			
π	1380315	−4649	4646			
−	6000		6040			
TP	1374315					
+	3514		3562			
π	1377829	−2560	2560			
−	6074		6122			
TP	1371755					
+	2922		2952			
π	1374677	−4197	4194			
−	7119		7146			
TP	1367558					
+	4899		4923			
π	1372457	−1967	1967			
−	6866		6890			
SET CA-29	1365591					

NOTES RED _____ JOB NO. 005612 SURVEY OF RESERVOIR AFTERBAY CASTAIC
DATE _____ SURVEY BY J. TERRANOVA
NOTES CHKD. RLB NOTES BY _____ DATE 11-71
DATE 12-2-71 INDEXED C. J. GALLI DATE DEC 71

F.B. 3857 PG. 79

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JOB NO. 005612 SURVEY OF RESERVOIR AFTERBAY CASTAIC
SURVEY BY J TERRANOVA
NOTES BY JT DATE 11-71
INDEXED C. J. GALLI DATE
NOTES RED. DATE
NOTES CHKD. RAB DATE 12-1-71

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
CA 29	1365 591				1365.538	CA 29 ~ PROPERTY COR. ANGLE PT. ELEV. = 1365.538 ELY. PROPERTY LINE OF AFTERBAY S. ELY. PROP. CORNER OF AFTERBAY WEST EDGE OF DIRT ROAD A DEPT. OF WATER RESOURCES MON. W/ BRASS CAP STAMPED CR-4, FLUSH F.B. 3857-22
+	8012		8060			
⊼	1373 603	+3012	3012			
−	5000		5048			
TP	1368 603					
+	6090		6118			
⊼	1374 693	+2470	2473			
−	3620		3645			
TP	1371 073					
+	3548		3499			
⊼	1374 621	+0488	0490			
−	3060		3009			
SET CA-30	1371 561				1371.510	CA-30 ~ ELEV. = 1371.510 WITNESS COR. TO SEC. COR., SEC. 19, 24, 25, 30, R17W, R16W, 170.5 FT. NLY OF SEC. COR., UP 4", AT EDGE OF BANK SLOPING WESTERLY TO LAKE HUGHES CANYON ROAD A STD. COUNTY SURVEYORS BRASS CAP MON.
+	1653		1783			
⊼	1373.214	−4.832	4829			
−	6.485		6612			
SET CA-31	1366.729				1366.679	CA31 ~ PROPERTY COR, ANGLE PT. ELEV. = 1366.679 SEC. COR, SEC. 19, 24, 25, 30 R17W R16W COUNTY SURVEYORS MON., DH 18" F.B. 3857-22
+	6861		6893			
⊼	1373.590	+4411	4411			
−	2450		2482			
TP	1371.140					
+	5129		5140			
⊼	1376.269	−0404	0405			
−	5533		5545			
TP	1370.736					

F.B. 3857 PG. 80

76S420 S & E-353 4-54

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
	1370.736					
+	6702		6622			
π	1377.438	+1.072	1073			
−	5630		5549			
TP	1371.808					
+	2466		2344			
π	1374274	−8509	8509			
−	10975		10853			
TP	1363299					
+	3102		3150			
π	1366401	−7595	7592			
−	10697		10742			
TP	1355704					
+	3750		3657			
π	1359454	−7934	7931			
−	11684		11588			
TP	1347770					
+	3409		3352			
π	1351179	−8280	8278			
−	11689		11630			
TP	1339490					
+	2254		2250			
π	1341.744	−9299	9300			
−	11.553		11550			
TP	1330191					
+	3128		3074			
π	1333319	−7318	7319			
−	10446		10393			
TP	1322873					

NOTES RED ____ JOB NO. 005612 SURVEY OF CASTAIC RESERVOIR AFTERBAY
DATE ____ SURVEY BY J. TERRANOVA
NOTES CHKD RGB NOTES BY C. J. GALLI DATE 11-71
DATE 12-7-71 INDEXED ____ DATE DEC 7 71

F. B. 3957 Pg. 81

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
	1322 873					
+	4388		4327			
π	1327261	-6769	6766			
−	11157		11093			
TP	1316104					
+	1569		1471			
π	1317673	-9895	9898			
−	11464		11369			
TP	1306209					
+	4400		4358			
π	1310609	-6072	6072			
−	10472		10430			
TP	1300137					
+	3337		3356			
π	1303474	-7616	7619			
−	10953		10975			
TP	1292521					
+	1355		1342			
π	1293876	-9218	9218			
−	10573		10560			
TP	1283303					
+	0225		0212			
π	1283528	-11228	11230			
+	11453		11442			
TP	1272075					
+	1130		1090			
π	1273205	-9193	9195			
−	10323		10285			
TP	1262882					

JOB NO. 005612 SURVEY OF CASTAIC RESERVOIR AFTERBAY NOTES RED
SURVEY BY L TERRANOVA DATE 11-71
NOTES BY LT DATE
INDEXED C. J. GALLI DATE
NOTES CHKD. RDB DATE 12-7-71

F. B. 385 Pg. 82

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
	1262882					
+	0185		0387			
π	1263067	-11155	11153			
−	11340		11540			
TP	1251727					
+	0480		0455			
π	1252207	-11462	11463			
−	11942		11918			
TP	1240265					
+	0346		0484			
π	1240611	-11125	11125			
−	11471		11609			
TP	1229140					
+	1234		1141			
π	1230374	-10204	10202			
−	11438		11343			
TP	1218936					
+	0247		0211			
π	1219183	-10273	10274			
−	10520		10485			
TP	1208663					
+	0200		0252			
π	1208863	-2056	2057			
−	2256		2309			
SET CA-32	1206607				1206.~~552~~	CA-32 ~ ELEV. = 1206.552 LAKE HUGHES RD., EAST SIDE OF AFTERBAY, 121.3 FT ± S'LY OF ℄ OF ACCESS ROAD TO AFTERBAY, 166 FT ± S'LY OF P.P.#1795960 E A STD ROAD DEPT BRASS CAP MON W/CASING & COVER ON ℄ OF NEW LAKE HUGHES ROAD.
+	1898		1887			
π	1208505	-7640	7637			
−	9538		9524			
TP	1198967					

NOTES RED _____ JOB NO. 005612 SURVEY OF RESERVOIR AFTERBAY CASTAIC
DATE _____ SURVEY BY J. TERRANOVA
NOTES CHKD. RGB NOTES BY _____ DATE 12-7-71
DATE 12-7-71 INDEXED C. J. GALLI DATE _____ DATE 12-7-71

F.B. 385 PG. 83

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
	1198967					
+	2162		2183			
π	1201129	-6054	6052			
-	8216		8235			
TP	1192913					
+	0929		0952			
π	1193842	-8221	8222			
-	9150		9174			
TP	1184692					
+	0517		0546			
π	1185209	-9895	9894			
-	10412		10440			
TP	1174797					
+	0296		0311			
π	1175093	-10741	10742			
-	11037		11053			
TP	1164056					
+	1510		1530			
π	1165566	-7599	7596			
-	9109		9126			
TP	1156457					
+	3294		3305			
π	1159751	-4127	4125			
-	7421		7430			
TP	1152330					
+	4091		4111			
π	1156421	-1821	1820			
-	5912		5931			
TP	1150509					

F.B. PG. 84

JOB NO. 005612 SURVEY OF CASTAIC RESERVOIR AFTERBAY NOTES RED
SURVEY BY L. TERRANOVA DATE
NOTES BY J.T. DATE 12-71 NOTES CHKD RDB
INDEXED C. J. GALLI DATE DATE 12-7-71

76S420 S & E-353 4-54

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
	1150509					
+	3844		3798			
π	1154353	-1284	1223			
-	5068		5021			
TP	1149285					
+	3960		3983			CA-33 ~ ELEV = 1147.056 LAKE
π	1153245	-2177	2177			HUGHES RD AT CONC BRIDGE
-	6137		6160			ACROSS MAIN CANYON NORTH SIDE
SET CA 33	1147108				1147.056	OF BRIDGE WEST END OF BRIDGE.
+	3228		3258			1 FT ELY. OF N.W. COR. OF BRIDGE
π	1150336	-2254	2255			A LD. & TK. IN CONC SIDEWALK OF BRIDGE
-	5486		5513			
SET CA-34	1144850				1144.800	CA-34 ~ PROPERTY COR, ANGLE PT.
						ELEV.= 1144.800 LAKE HUGHES ROAD
						AT CONC BRIDGE ACROSS MAIN CYN.,
						225 FT ± WLY THERE OF 50 FT. NLY.
						OF ℄ OF LAKE HUGHES RD A 2"
+	7330		7351			I.P. W/ CONC PLUG & C.E. TAG
π	1152180	+4869	4871			F.B. 3857-10
-	2461		2480			
SET CA-35	1149719					CA-35 ~ PROPERTY COR, ANGLE PT.
+	6233		6272		1149.669	ELEV.= 1149.669 LAKE HUGHES RD.,
π	1155952	+3512	3509			ELY. ℄ OF DEPT. OF WATER
-	2721		2763			RESOURCES HOGG BLDG. 50 FT.
TP	1153231					NLY. OF ℄ OF LAKE HUGHES ROAD,
+	5908		5948			A 2" I.P. W/ CONC PLUG & C.E. TAG.
π	1159139	+2098	2098			F.B. 3857-20
-	3810		3850			
TP	1155329					

NOTES RED _____ JOB NO 005612 SURVEY OF CASTAIC RESERVOIR INTERBAY
DATE _____ SURVEY BY J. TERRANOVA DATE 12-71
NOTES CHKD. RAB NOTES BY J.T. DATE 12-7-71
DATE 12-7-71 INDEXED G.J. GALLI DATE DE 71

F.B. 3857 Pg. 85

76S420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
	1155329					
+	5508		5499			
π	1160837	+1584	1584			
−	3924		3915			
TP	1156913					
+	4860		4869			
π	1161773	+1406	1407			
−	3454		3462			
TP	1158319					
+	4220		4196			
π	1162539	−0776	0774			
−	4996		4970			
TP	1157543					
+	4070		4080			
π	1161613	−1566	1568			
−	5636		5648			
TP	1155977					
+	3220		3311			
π	1159197	−2990	2989			
−	6210		6300			
TP	1152987					
+	3868		3896			
π	1156855	−1746	1746			
−	5614		5642			
TP	1151241					

JOB NO. _____ SURVEY OF CASTAIC RESERVOIR AFTERBAY NOTES RED. _____
SURVEY BY J. TERRANOVA DATE 12-71
NOTES BY JT. DATE _____ NOTES CHKD. RGB
INDEXED S. J. GALLI DATE _____ DATE 12-7-71

F. B. 3857 PG. 86

76S420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
	1151241					
+	4580		4593			
⊼	1155821	-0770	0771			
−	5350		5364			
TP	1150471					
+	4230		4281			
⊼	1154701	+0819	0816			
−	3411		3465			
ID 208-74	1151290				1151.235	BM. 208-74 = U.S.C & GS - S-970 = LACRD BL3032 EL.= 1151.235 LAKE HUGHES ROAD, 0.15 MILE SOUTH OF CASTAIC UNION SCHOOL AT BRIDGE NO B-710 28.0 FT NORTH EAST OF THE CENTER OF A DIRT RD 15.8 FT. WEST OF THE CENTER OF LAKE HUGHES RD. SET IN THE TOP OF THE SOUTH END OF THE WEST CONCRETE CURB OF BRIDGE, 2.3 FT. NORTH WEST OF THE SOUTHEAST CORNER OF CURB. A USC & GS BENCHMARK DISC SET IN CONC. FB 3721-167 NOTE: THIS BM SAME DESC AS SAN DIST BM #3032 ELEV: 1151.08

NOTES RED ____ JOB NO. 005612 SURVEY OF CASTAIC RESERVIOR AFTERBAY
DATE ____ SURVEY BY J. TERRANOVA
NOTES CHKD RAB NOTES BY JT DATE 12-71
DATE 12-7-71 INDEXED C. J. GALLI DATE DEC 7 '71

F. B. 3857 PG. 87

768420 S & E-353 4-54

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JOB NO. 005612 SURVEY OF CASTAIC RESERVOIR AFTERBAY NOTES RED
SURVEY BY J. TERRANOVA DATE
NOTES BY LT DATE 12-71 NOTES CHKD
INDEXED C. J. GALLI DATE DATE

F. B. 3857 Pg. 88

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
	NOTE: FOR SAN DIST BM #32 SEE pgs 51 & 87					
	"BM No. 30.32 EL = 1157.08 USC & GS MON SW COR BRIDGE #710, 18 FT W. ℄ LAKE HUGHES RD — ± 0.2 MI N. CASTAIC RD MKD (S970-1964)"					
CA34	1144.800					CA 34 ~ PROPERTY COR ∡ PT ELEV = 1144.800
+	5.467		5.441			FB3857-85 ELEV = 1144.800 LAKE
π	1150.267	2.257	2.257			HUGHES RD AT CONC BRIDGE # B1552
-	3.210		3.184			ACROSS MAIN CYN; 225' ± W'ly THERE of 50 N'ly
CA-33	1147.057					of ℄ - 2" IP w/ CONC PLUG & CE TAG
+	4.008		4.181			CA33 - ELEV = 1147.056 FB3857-85
π	1151.065	.093	.094			LAKE HUGHES RD, @ CONC Bridge # B1552
	3.915		4.087			NO. SIDE OF Bridge 1' E'ly of NW COR. OF BRIDGE - A LD & TK IN CONC CURB OF BRIDGE
DWR-AA	1147.150					DWR "AA" FB3857-88
+	5.668		5.627			LAKE HUGHES RD; 27° So. of ℄ @ SW
π	1152.818	1.660	1.661			COR OF CONC BRIDGE # B1552 Fd A
-	4.008		3.966			BM NAIL IN LD MK'D (DEPT OF WATER RESOURCES
T.P.	1148.810					ELEV =)
+	5.382		5.435			
π	1154.192	1.148	1.145			
-	4.234		4.290			
T.P.	1149.958					

768420 353 3-51

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.T.P. 3	1149.958					
+	5.527		5556			
π	1155.485	0.904	0.905			
−	4.623		4.651			
DWR 41	1150.862					DWR #41 FB3857-89 ELEV =
+	5.327		5.378			LAKE HUGES Rd; 23 3/4 So. of ℄ @ S E COR
π	1156.189	0.038	0.037			CONC BRIDGE # B 1552 Fd A Brass DISK
−	5.365		5.415			MK'd (Dept of WATER RESOURCES BM #41)
RD BC DEPT B.M.	1150.824					R.D. MON ELEV = FB3857-89
+	5.177		5.119			℄ of LAKE HUGHES RD BC of CURVE
π	1156.001	0.143	0.141			1653 ft E. of Old Ridge Route Rd − Fd
−	5.320		5.260			R.D. Mon in HH dn 8"
T.P.	1150.681					
+	4.539		4.469			
π	1155.220	1.295	1.294			
−	5.834		5.763			
T.P.	1149.386					
+	4.434		4.515			
π	1153.820	1.103	1.100			
−	5.537		5.615			
T.P.	1148.283					
+	4.587		4.542			
π	1152.870	1.226	1.226			
−	5.813		5.768			
CA 33	1147.057					CA 33 FB3857-85 ELEV = 1147.056
						FOR DESC SEE pgs 85 & 88

NOTES RED. _____ JOB NO. 0056.12 SURVEY OF CASTAIC RESERVOIR ALTERBAY
DATE _____ SURVEY BY A.C. Guizado
NOTES CHKD. _____ NOTES BY R. Massey DATE 12/71
DATE _____ INDEXED C.J. GALLI DATE _____

F.B. 3857 PG. 89

Castaic Resv.

Notes Ck'd by	Survey of Afterbay	F. B. 3857 PG. 91
Map No.	JN 0056 Tape Std °F	
Office Work	Surveyed by A.C. Ganzado	
Checked	Notes R. Massey Date 12-20-71	
Date	Indexed C. J. GALLI JAN 6 '72	

JOB NO 0056.12

CASTAIC RESERVOIR
AFTERBAY

LOCATION OF IMPROVEMENTS
ALONG LAKE HUGHES Rd
STARTING AT 24+00

Guizado
MASSEY
West
LYBRAND
FISHER

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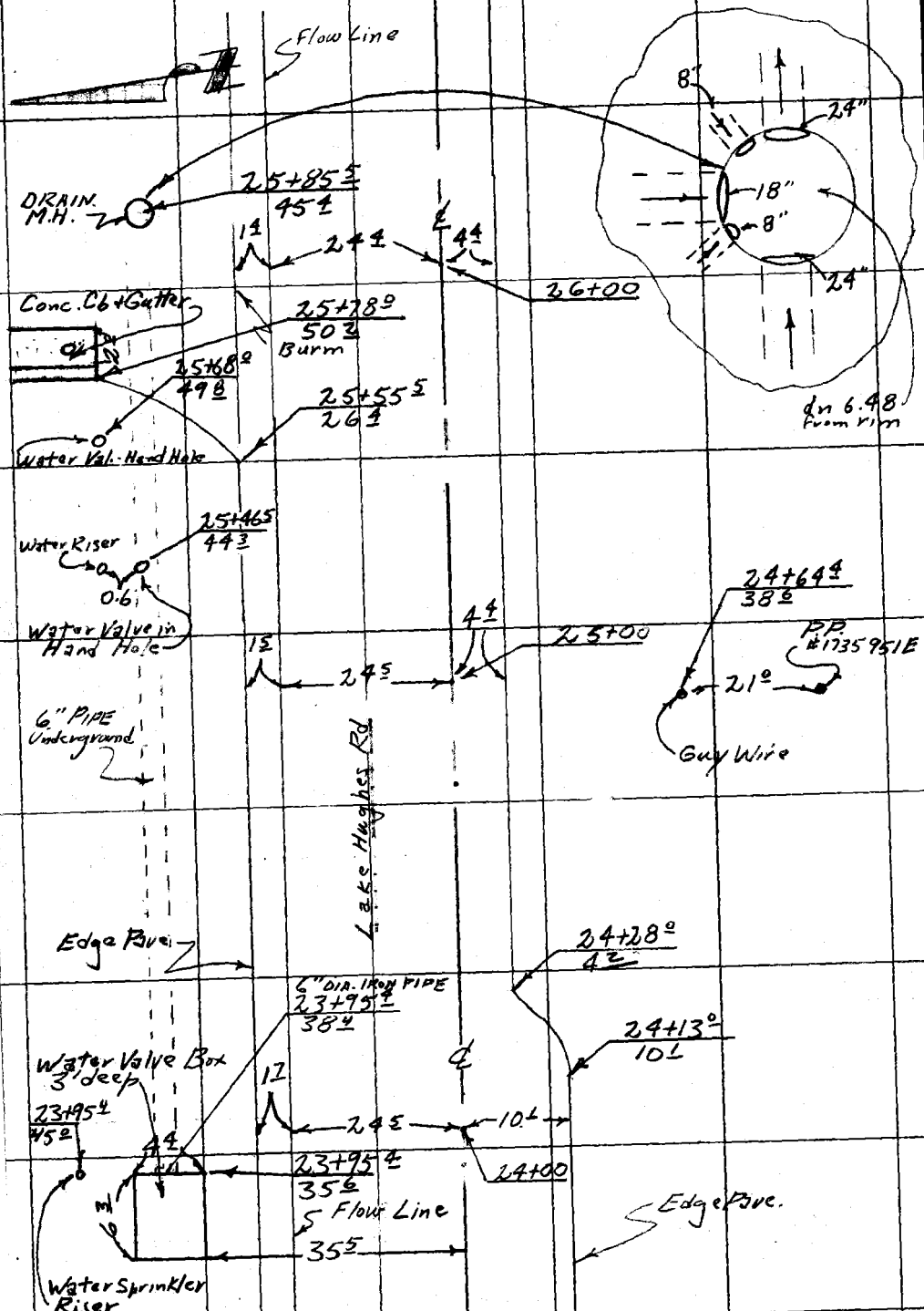
16F309S CE#310 3-69

F. B. 3857 PG. 92



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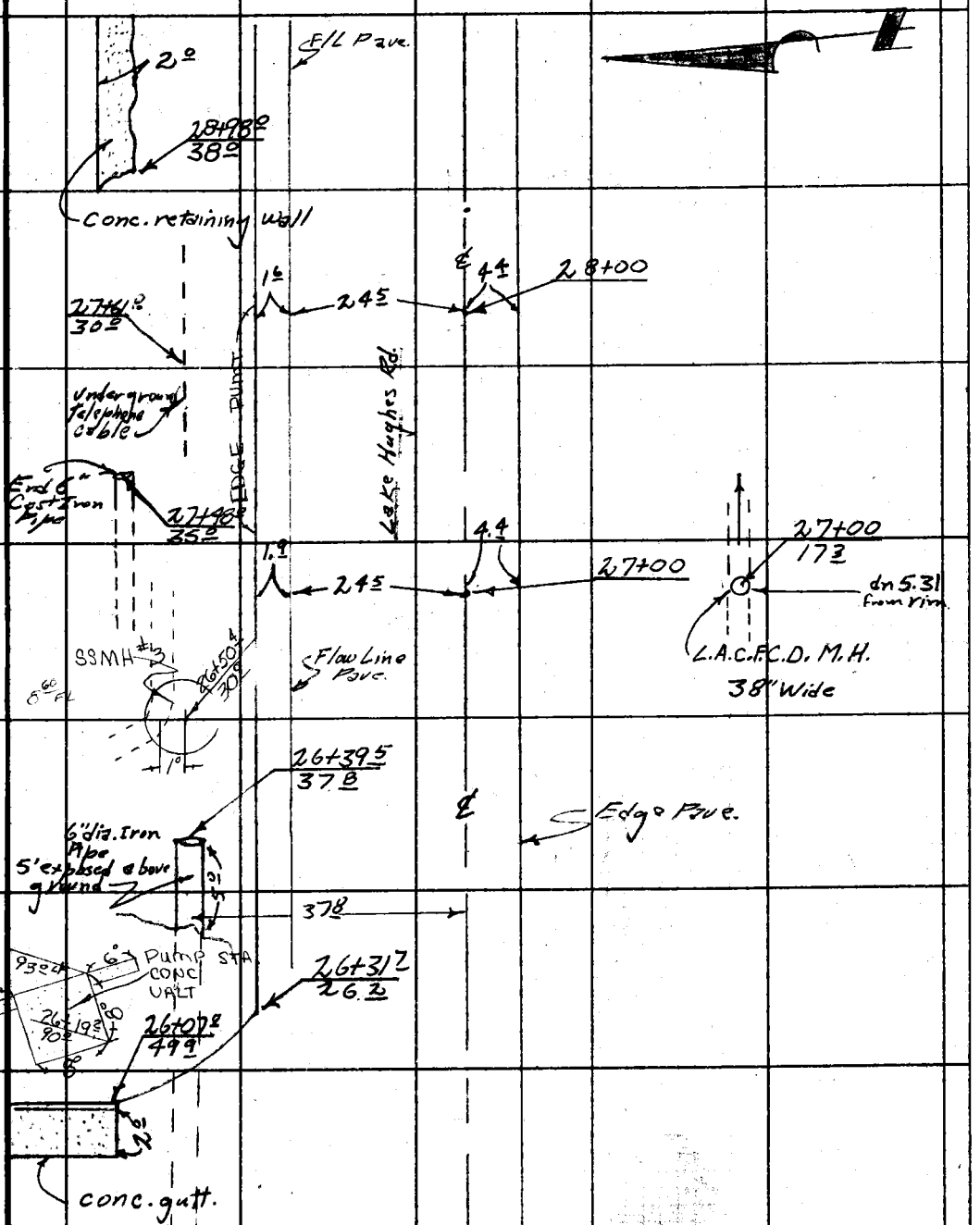
CASTAIC RESV.

Notes Ck'd by	Survey of AFTERBAY	F. B. 3657 PG. 93
Map No.	JN 005612 Tape Std °F	
Office Work	Surveyed by A.C. Gunzado	
Checked	Notes R. Massey Date 12-20-71	
Date	Indexed C. J. GALLI	



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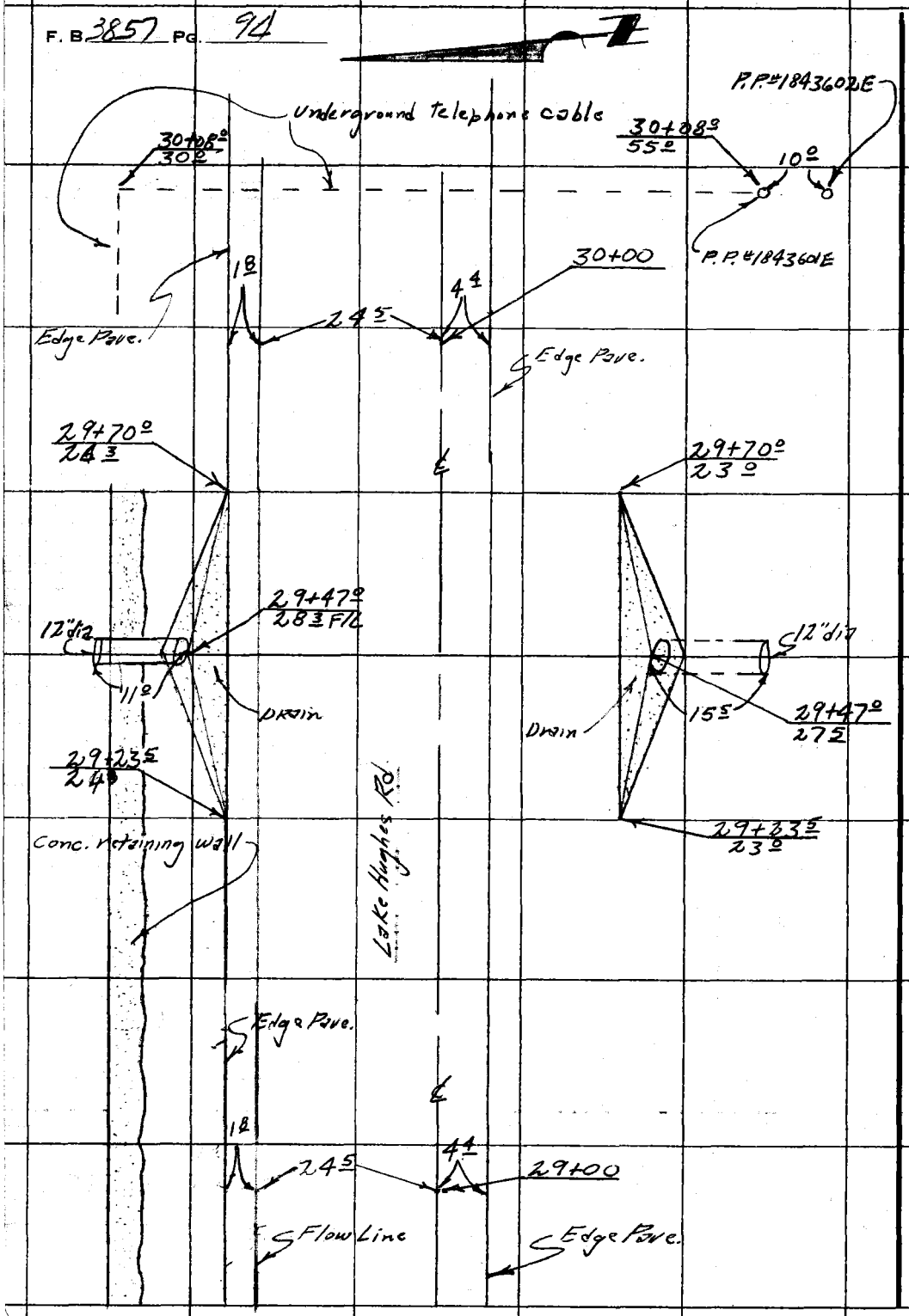
F. B. 3857 PG. 94



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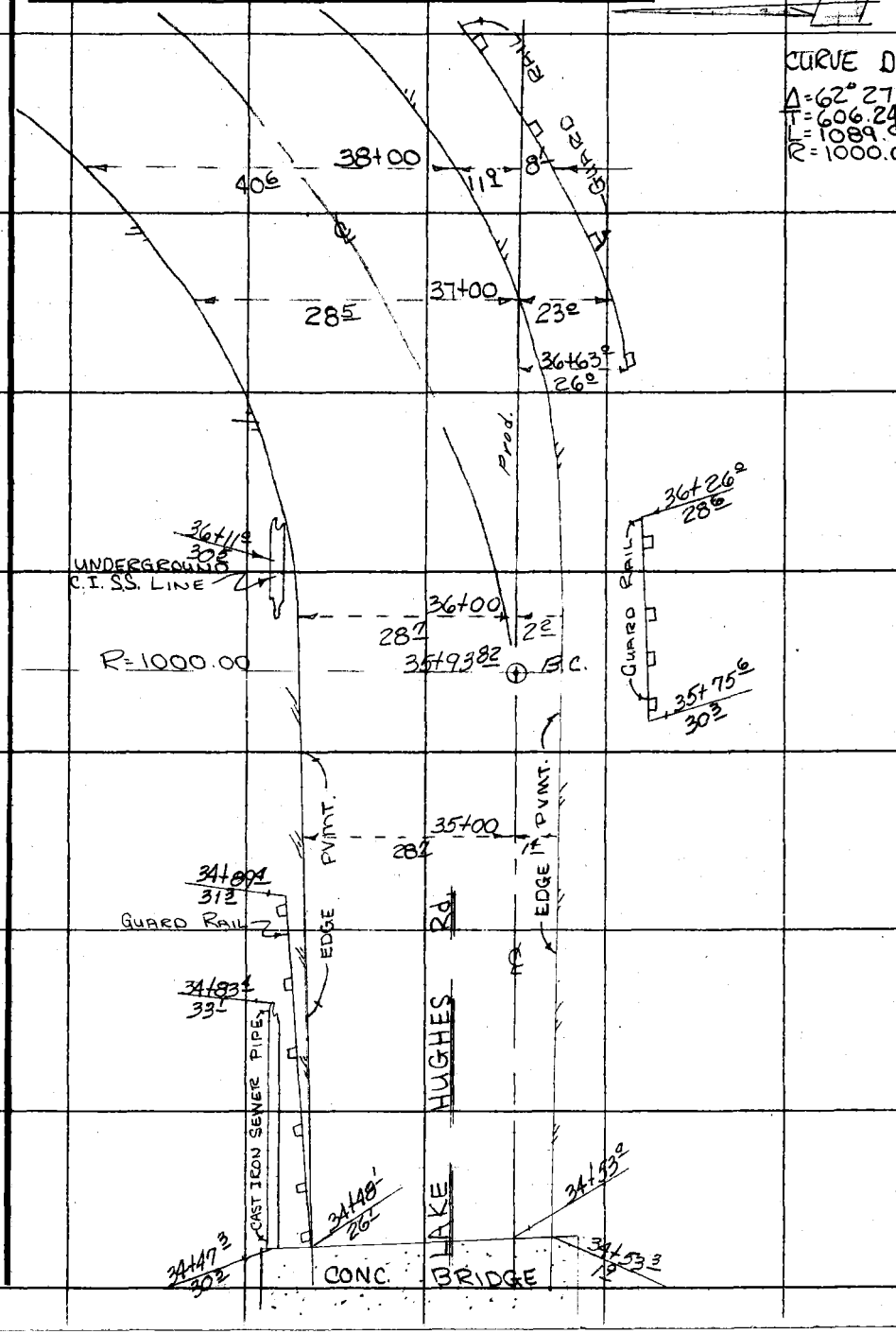
Notes Ck'd by	Survey of Castaic Basin Alternate
Map No.	JN 005612 Tape Std °F
Office Work	Surveyed by A.C. Guizado
Checked	Notes DR. WEST Date 12/71
Date	Indexed C. J. GALLI

F. B. 3857 PG. 95



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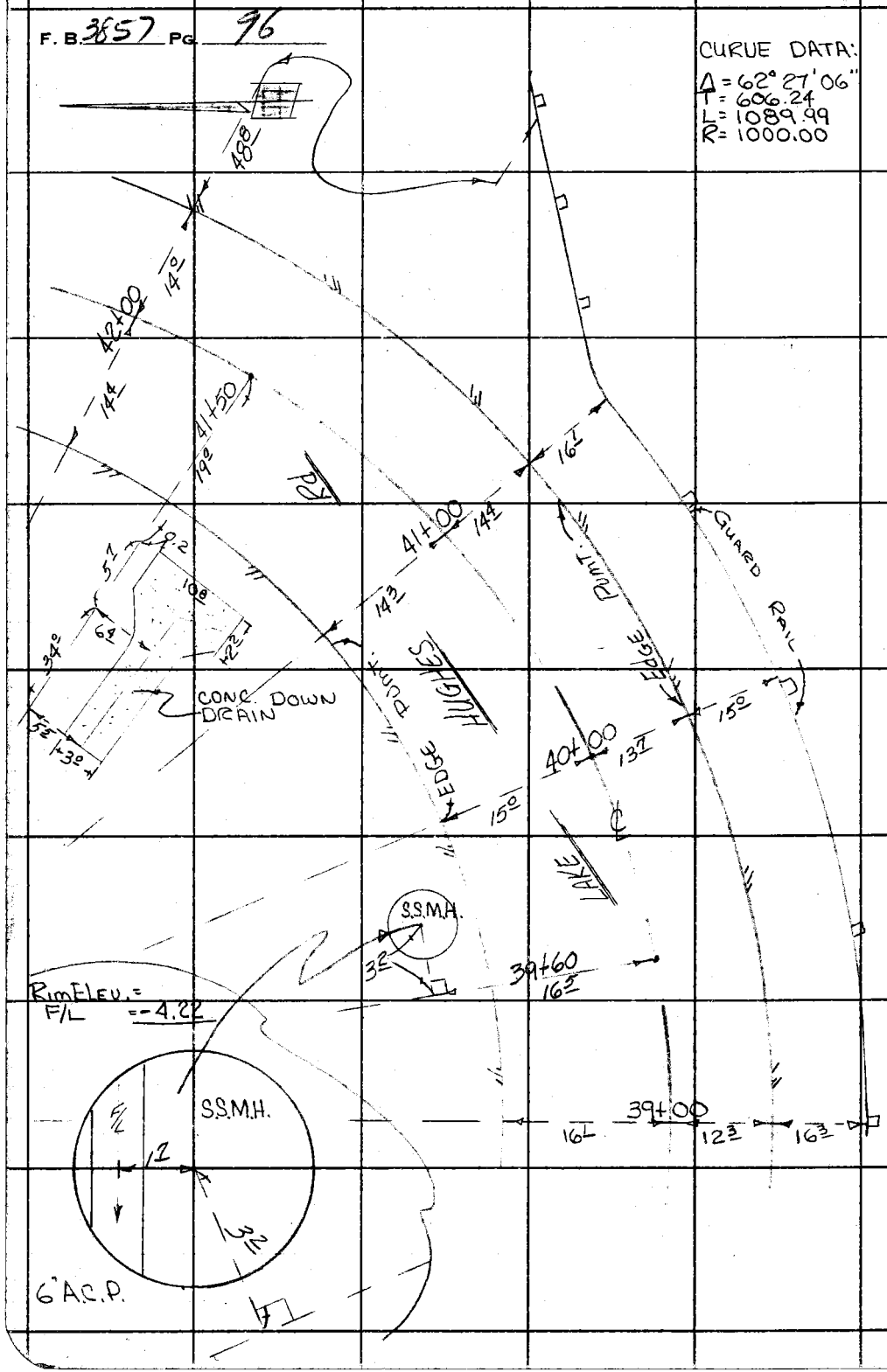
F. B. 3857 PG. 96



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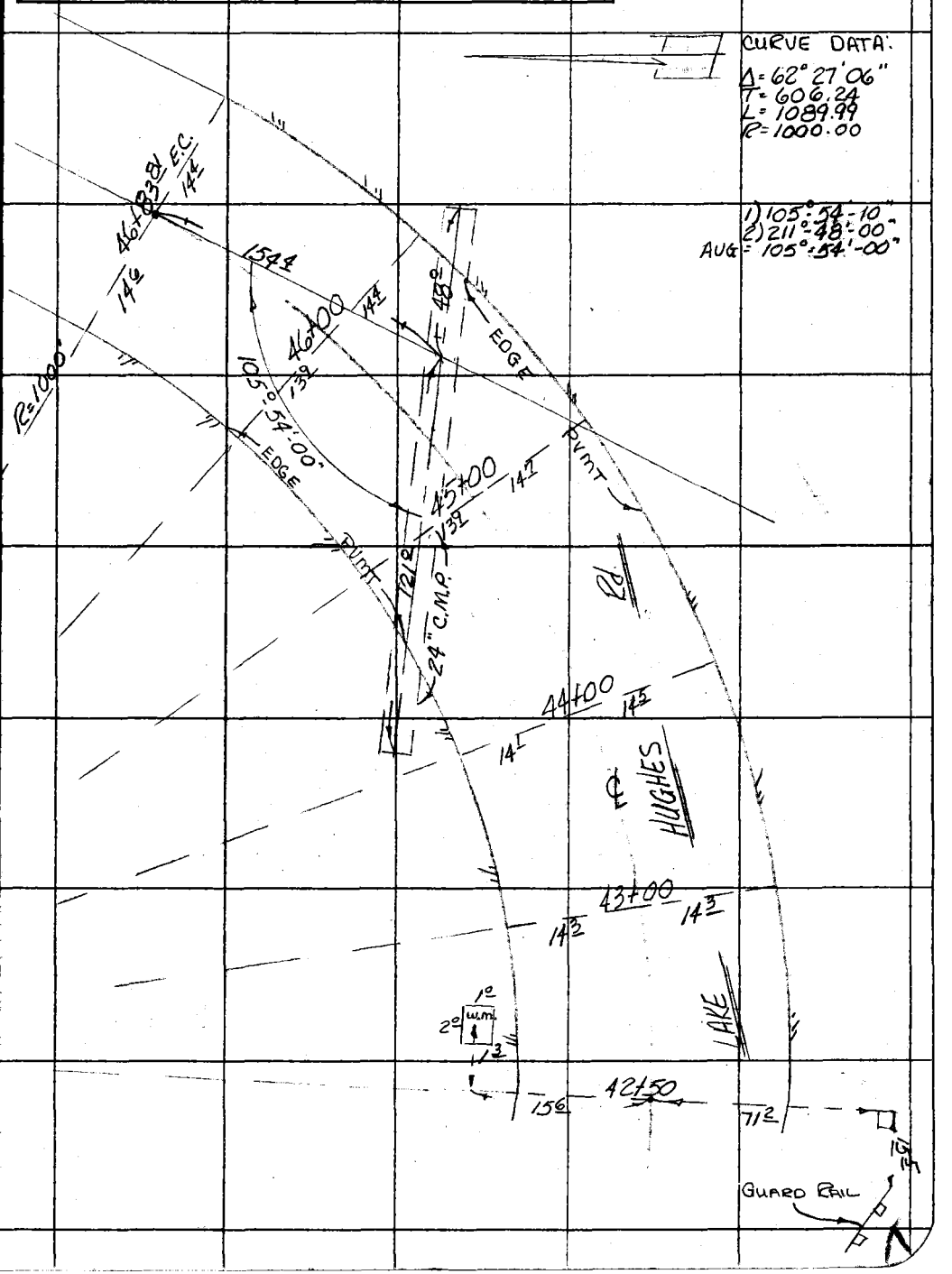
Pastaic Resv

Notes Ck'd by	Survey of Atter Bay	F. B. 3857 Pg. 97
Map No.	JN 005612 Tape Std °F	
Office Work	Surveyed by A.C. Guizado	
Checked	Notes J.R. West Date	
Date	Indexed C. J. GALLI	



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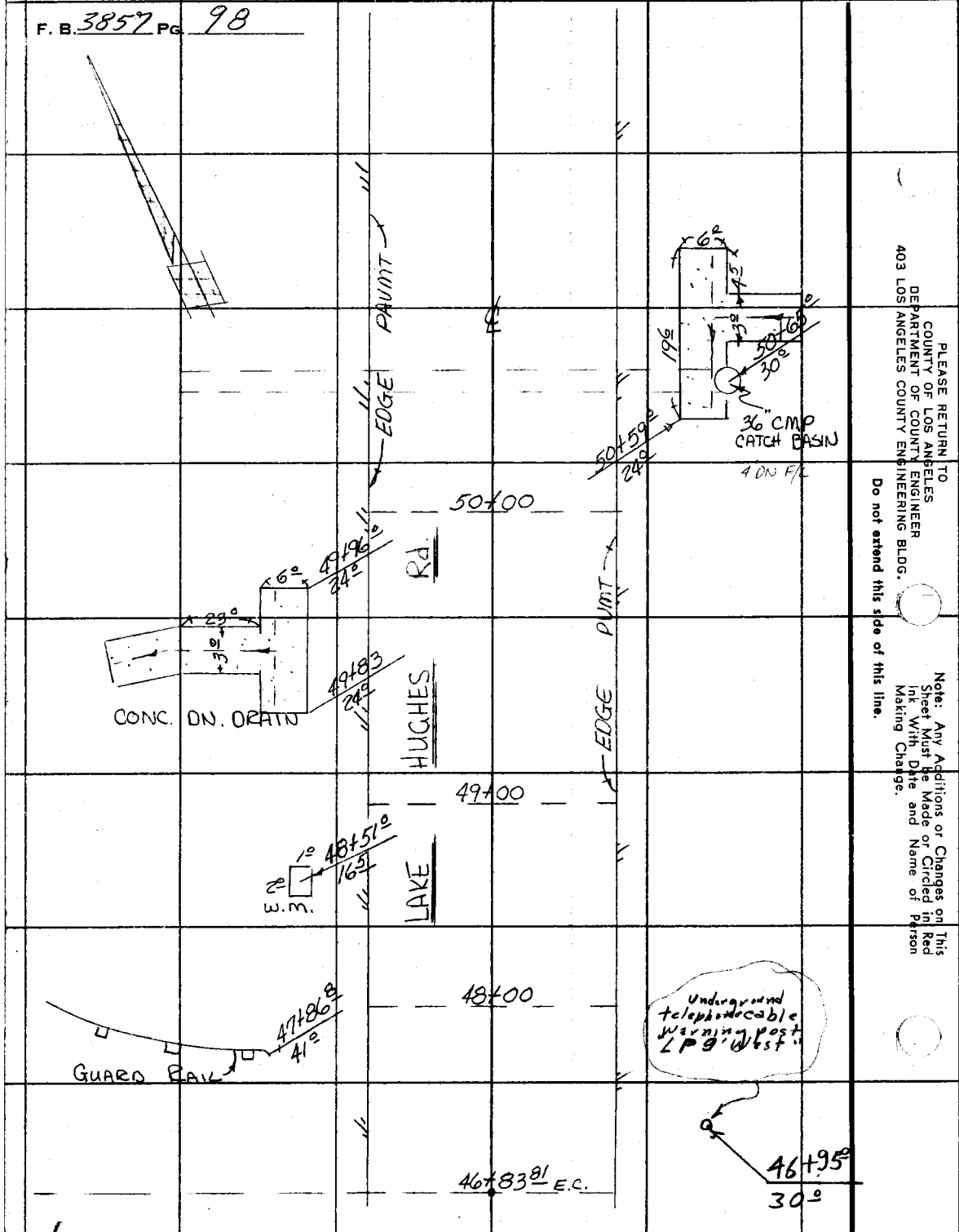
F. B. 3857 PG. 98



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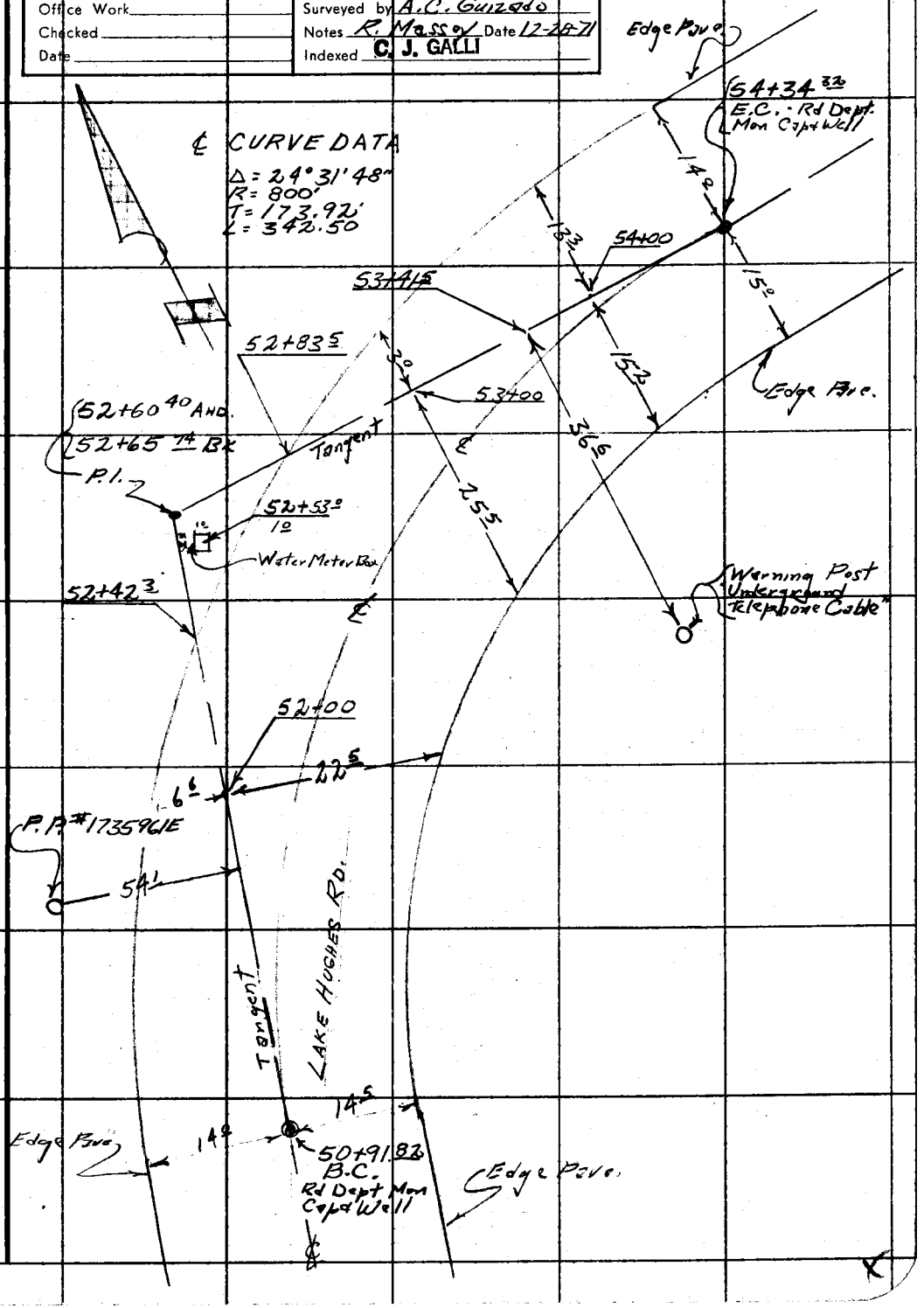
Castaic Resv.

Notes Ck'd by	Survey of After Bay
Map No.	JN 0056.12 Tape Std °F
Office Work	Surveyed by A.C. Guizado
Checked	Notes R. Massey Date 12-28-71
Date	Indexed C. J. GALLI

F. B. 3857 PG. 99



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16F309S CE#310 3-69

Profile No.	Notes Red	Plotted	Job No. 0056 12	Division No. 11	F.B. 3857 Pg. 101
	Date	Date	Survey of Castaic Lake. Afterbay		
X-Sec. No.	Notes Chkd.	Checked	Survey by ACG	Notes	Date 12/71
	Date	Date	Map No.	Indexed N. J. GALLI	Date JAN 6 '72

JOB NO 0056 12

CASTAIC LAKE STATE & COUNTY PARK

AFTERBAY

Cross Sections & Profile

LAKE HUGHES RD. 24+00 - pg 102, 34+48 L - pg 112

47+00 pg 116

GUIZADO
MASSEY
WEST
LYBRAND
FISHER

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

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76-L-298 CE 307 2-63

76-L-298 CE 307 2-63

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STATION	B.S.	H.I.	F.S.	ELEV.	Lf or N'ly	Rt or S'ly
BM CA35				1149 67	BM CA35 FB3857-85 Elev Adj=1149.669 (1971) Prop/Cor ∡ PT LAKE HUGHES Rd; E'ly R of Dept of Water Resources Hdqts Bldg; 50 ft N'ly of ℄ LAKE HUGHES Rd; A 2" IP w/conc plug & CE TAG FB 3857-20	
23+95.4				1154 18	35.6 top water Valve Box	
"				1151 18	Btm " (36" dn)	
24 ~				1154 03		℄
				1153 80		10.1 Edge Pvmt
				1153 3		20.0 dirt F/L
				1154 0		33.0 " Top
				1154 4		50.0 "
				1153 88	10.3 Ctr Pvmt	
				1153 60	24.5 F/L Burm	
				1153 93	26.2 Top " & Edge Pvmt	
				1154 2	42.7 dirt start Plant Area	
				1154 2	50.4 " "	
+28.0				1153 50		℄
"				1153 41		4.2 Edge Pvmt
+50				1153 09		℄
"				1152 99		4.4 Edge Pvmt
"				1152 4		20.0 F/L dirt
"				1153 7		36.0 Top Brk

F.B. 3857 Pg. 102
Job No. 0056 1V Division No. " Notes Red Plotted Profile
Survey of Castaic Lake Afterbay Date 12-71 Date No. X-Sec.
Survey by A.C.G. Notes Notes Chkd. Checked Date No.
Indexed C. J. GALLI Date Date

76-L-298 CE 307 2-63

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STATION	B. S.	H. I.	F. S.	ELEV.	Lf = 11'±	Rt = 5'±
24+50				1153.4		50° dirt
				1153.00	10' ctr Pvmt	
				1152.64	24' F/L Berm	
				1152.98	26° Top Berm Edge Pvmt	
				1153.4	42' Dirt start Plant Area	
				1153.6	50° "	"
25				1152.17		℄
				1152.06		4' Edge Pvmt
				1151.2		20° F/L dirt
				1152.3		33° Brk dirt
				1152.4		50° "
				1152.05	10' ctr Pvmt	
				1151.61	24' F/L Berm	
				1151.90	26° Top "	
				1152.3	42' Dirt start Plant Area	
				1152.5	50° "	"
+50				1151.21		℄
"				1151.07		4' Edge Pvmt
"				1150.2		20° Dirt F/L
"				1150.8		33° " Brk
"				1150.7		50° "
X "				1151.07	10' ctr Pvmt	
"				1150.71	24' F/L Berm	

Profile Notes Red ____ Plotted ____ Job No. 0056.11 Division No. 11
No. ____ X-Sec. Date ____ Date ____ Survey of Castaic Resv. After Bay
Notes Chkd ____ Checked ____ Survey by A.C.G. Notes R.M. Date 12-71
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F.B. 3857 Pg. 103

76-L-298 CE 307 2-63

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STATION	B. S.	H. I.	F. S.	ELEV.	Lt or N'ly	Rt or S'ly
25+50				115100	26.2 Top Burm	
∫				11514	42.5 Start Plant	Area Dirt
				11514	50.0 "	" "
+78.0				115066		℄
"				115051		4.4 Edge Pvmt
"				11497		20.0 F/L Dirt
"				11503		30.0 BRK "
"				11484		50 Btm "
"				115018	24.5 F/L Burm	
"				115049	26.0 Top "	
"				114988	50.2 Btm CURB	
"				115039	" Top "	
+80				115000	50.2 EG Gut.	
+85.5				115031	45.4 S.D MH	Rim Rod 50.31 Dept 6.48 43.83
"				114383	" F/L	
26+00				115024		℄
"				115010		4.4 Edge Pvmt
"				11494		20.0 F/L dirt
"				11498		31.0 Top BANK

F.B. 3857 PG. 104
Job No. 6056.12 Division No. 11 Notes Red Plotted Profile
Survey of Castaic Resv. After Bay Date 12-71 Date No.
Survey by A.C.G. Notes R.M. Notes Chkd. Checked X-Sec.
Indexed C. J. GALLI Date Date Date No.

76-L-298 CE 307 2-63

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STATION	B. S.	H. I.	F. S.	ELEV.	Lt = N'ly	Rt = S'ly
26+00				1145 6		50° Btm slope
"				1150 09	10³ ctr Pumt	
"				1149 72	24⁵ F/L Burm	
"				1150 00	26² Top "	
"				1150 11	50° Pumt	
+05				1149 91	50° Edge Gut	
+07°				1149 76	" Btm cb	
"				1150 30	" Top "	
+19²				1152 06	90° " Pump sta conc vault	Rim Rod 5206 Meas 850 4356
"				1143 56	" Btm " "	
+39⁵				1149 75	37⁸ 6" Cast Iron Pipe F/L (Future Water)	
+50⁴				1149 24		℄
"				1149 09		4⁴ Edge of Pumt
"				1148 4		20° F/L dirt
"				1148 8		31° Top slope Dirt
"				1144 7		50° Btm " "
"				1144 0		60° "
"				1149 14	10³ ctr Pumt	
"				1148 74	24⁵ F/L Burm	
"				1149 05	26⁴ Top "	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 56.12 Division No. 11 F.B. 3857 Pg. 105
X-Sec. No. ____ Date ____ Date ____ Survey of Castaic Resv. After Bay
Notes Chkd. ____ Checked ____ Survey by A.C.G. Notes R.M. Date 12-71
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76-L-298 CE 307 2-63

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STATION	B.S.	H.I.	F.S.	ELEV.	Lt = N'ly	Rt = S'ly
26+50.4				114919	30° SSMH	Rim 49.19
						Meas 8.60
				114059	" " F/L	40.59
				11482	40° dirt	
				11481	50° "	
27+00				114820		℄
				114807		4.4 Edge Pvmt
				114808		17.3 S.O. Rim 8.59
				114277		Meas 5.39
						" F/L 2.77
				11475		20° dirt F/L
				11478		31° Top slope dirt
				11430		50 Btm " "
				11430		60° "
				114813	10.3 ctr Pvmt	
				114783	24.5 F/L Burm	
				114809	26.4 Top "	
				11479	40° dirt	
				11475	50° "	
27+48.0				114639	35° F/L 6" C. Iron Pipe	

F.B. 3857 Pg. 106 Job No. 005612 Division No. 11 Notes Red Plotted Profile
Survey of Castaic Resv. After Bay Date 12-71 Date No. X-Sec.
Survey by A.C.G. Notes R.M. Notes Chkd. Checked
Indexed C. J. GALLI Date Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.	Lt = N'ly	Rt = S'ly
27+61°				1146 29	30° telephone cable	
27+50				1147 40		℄
				1147 32		4⁴ Edge Pvmt
				1146 6		20° F/L dirt
				1147 0		31° Top slope dirt
				1142 7		50° Btm " "
				1142 8		60° dirt
				1147 27	10³ cte Pvmt	
				1146 92	24⁵ F/L Burm	
				1147 20	26⁴ Top "	
				1146 8	40° dirt	
				1146 6	50°	
28+00				1146 61		℄
"				1146 53		4⁴ Edge Pvmt
"				1145 9		20° F/L dirt
"				1146 4		31° Top slope "
"				1142 8		50 Btm " "
"				1142 7		60 "
"				1146 49	10³ cte Pvmt	
"				1146 12	24⁵ F/L Burm	
"				1146 46	26⁴ Top "	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0056.12 Division No. 11
X-Sec. No. ____ Date ____ Date ____ Survey of Costaic Res. After Bay
Notes Chkd. ____ Checked ____ Survey by A.C.G. Notes R.M. Date 1-3-74
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	Lt = N'ly	Rt = S'ly
28+00				11470	34° dirt Top Bank	
				11458	37° " Btm	
				11458	50° "	
				11460	60° "	
+50				114604		℄
				114594		4.4 Edge Pvmt
				11455		20° F/L dirt
				11460		31° Top slope
				11420		50° Btm " "
				11420		60° "
				114594	10.3 cte Pvmt	
				114556	24.5 F/L Burm	
				114586	26.1 Top "	
				11464	34° " Bank	
				11448	37° Btm "	
				11451	50° dirt	
				11450	60° "	
29+00				114569		℄
"				114558		4.4 Edge Pvmt
"				11452		21.5 F/L dirt

F. B. 3857 Pg. 108
Job No. 005612 Division No. 11 Notes Red Plotted Profile
Survey of Castaic Resv. After Bay Date 1-72 Date No.
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STATION	B. S.	H. I.	F. S.	ELEV.	Lf = N'ly	Rf = S'ly
29+00				11454		31° Top 10' wide dirt rd
				11438		50° dirt road
				11429		60° "
				114555	10³ cte Rumt	
				114515	24⁵ F/L Burm	
				114547	26³ Top "	
				11455	34° " Bank dirt	
				114485	38° " conc wall sloped.	
				11442	40° Btm " " "	
				11439	50 dirt	
				11440	60 "	
29+23⁵				114517		23° Edge conc Apron
"				114507	24° edge conc apron	
+47°				114507		23° Edge conc apron
"				114409		27⁵ F/L CMP 12" inlet
"				11462		34° Top Bank dirt
"				114188		43° F/L cmp 12" outlet
"				11406		50 Btm Bank dirt
"				11401		60° "

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 005612 Division No. 11 Survey of Custom Rock After Bay

X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by A.O.G. Notes RM Date 1-3-72

Map No. ____ Indexed C. J. GALLI Date ____

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1150.82

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STATION	B. S.	H. I.	F. S.	ELEV.	Lt = N'ly	Rt = S'ly
29+47				1145.00	24.3 Edge conc apron	
				1144.21	28.3 F/L CMP 12" inlet	
				1144.98	35.0 Top " "	
				1142.61	39.3 F/L " " outlet	
				1143.6	50.0 dirt	
				1143.4	60 dirt	
+50				1145.51		℄
				1145.38		4.4 Edge Pvmt
				1145.04		23.0 " conc apron
				1146.3		34.0 Top Bank
				1145.42	10.3 ctr Pvmt	
				1145.03	24.3 Edge conc Apron	
				1145.3	35.0 Top Bank dirt	
+70				1145.24		23.0 Edge conc Apron
"				1145.14	24.3 Edge conc apron	
30+00				1145.61		℄
				1145.47		4.4 Edge Pvmt
				1145.2		21.5 F/L dirt
				1145.9		34.0 Top slope
				1140.8		50 Btm slope

F.B. 3857 Pg. 110 Job No. 005612 Division No. 11 Notes Red Plotted Profile
Survey of Castaic Resv. After Bay Date 1-72 Date No.
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STATION	B. S.	H. I.	F. S.	ELEV.	Lt = N'ly	Rt = S'ly
30+00				1140 5		60° dirt
				1145 56	10³ ctr Bus.	
30+00				1145 21	24⁵ F/L Burm	
"				1145 46	26³ Top "	
"				1145 3	34° Top Bank dirt	
"				1144 20	38° " sloped conc wall	
"				1143 21	40° Btm " " "	
"				1143 2	50° dirt	
"				1143 0	60° "	
CA33				1147 05	CA33 = Elev = 1147.056 FB 3857-85 Lake Hughes Rd. @ conc. bridge #B1552 No side of bridge 1st Ely of NW Cor of Bridge - Ld dtk in conc. curb of bridge.	
DWR 41				1150 86	DWR #41 FB 3857-89 Elev = Lake Hughes Rd 23⁵ So of ℄ @ S.E. Cor conc. bridge #B1552 Fd. J. brass disk mk'd (Dept of Water Resources B.M. #41)	

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 005612 Division No. 11 Survey of Costal Resv. After Bay Survey by A. C. G. Notes R. M. Date 1-3-72 Map No. ____ Indexed C. J. GALLI Date ____

X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____

F.B. 3857 Pg. 111

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STATION	B. S.	H. I.	F. S.	ELEV.	Lt. = N'ly	Rt. = S'ly
34+48'				1149 85	26' END OF BRIDGE F/L	
"				1150 67	26' " " "	TOP OF CURB
"				1150 71	30° " " "	BK. CONC WALK
34+53°				1150 10		℄ END OF BRIDGE
34+53°				1150 08		1° " " " F/L
"				1150 92		2° TOP OF CURB
"				1150 97		3° BACK OF CONC.
35+00				1150 51		℄
35+00				1150 45	12³ APPARENT ℄ OF Rd.	
"				1150 56	28⁷ EDGE OF PUMT	
"				1150 8	31° TOP BANK DIRT	
"				1148 4	43° TOE OF DIRT SLOPE	
"				1147 7	50° DIRT	
"				1147 1	60° "	
"				1150 48		1⁴ EDGE OF PUMT
"				1151 0		34° TOP DIRT BANK
"				1143⁴		52° TOE OF SLOPE F/L
35+50				1150 98	12⁴ APPARENT ℄ Rd.	
"				1151 00	28° EDGE OF PUMT	
"				1151 6	33° TOP OF BANK	

F.B. 3857 PG. 112 Job No. 005612 Division No. 11 Notes Red. Date 1-72 Plotted Date No. Profile
Survey of Castaic Resv. After Bay Notes Chkd. Checked Date No. X-Sec.
Survey by A.C.G. Notes R.M. Date
Indexed C. J. GALLI Date

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STATION	B. S.	H. I.	F. S.	ELEV.	Lt & N'ly	Rt. = Sly
35+50				11471	50° Toe of Slope Dirt	
"				11456	60° Dirt	
"						
"				115097		2⁴ Edge of Point
"				11515		37° Top Dirt Bank
"				11424		58° Toe of Dirt Slope
B.C. 35+93 83				115082		℄ B.M. See FB3857-89
"				115136	12³ Point Apparent	℄
"				115150	28⁵ Edge Point	
"				11515	31° Top Dirt Bank	
"				11484	50° Dirt Slope	
"				11469	60 Dirt Slope	
"						
"				115146		2° Edge of Point
"				11512		15⁵ F/L Dirt
"				11527		34° Top Dirt Bk.
"				11495		41° Toe of Slope
"				11487		50° Dirt
"				11485		60° Dirt

Profile No. ____ Date ____ Notes Red ____ Plotted ____ Job No. 0056.12 Division No. 11 F.B. 3857 PG. 113
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Survey by A.C.G. Notes R.M. Date 1-3-72
Map No. ____ Indexed C. J. GALLI Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	Lt = N'ly	Rt = S'ly
36+50				115195	13° Apparent ℄ Rd	
"				115177	29° Edge of Pumt	
"				11515	54° Dirt Brk	
"				11506	65° Dirt	
"				115208		℄ Prod Pumt
"				115207		1.5 Edge of Pumt
"				11509		50° Dirt
"				11504		60° Dirt
37+00				115250	0° Edge of Pumt	℄ Prod.
"				115239	14° Apparent ℄ Rd	
"				115238	28.5 Edge Pumt	
"				11522	32.5 F/L Dirt	
"				11538	39.5 Top Dirt Bank	
"				11490	46° Toe of Slope	
"				11483	59° Dirt	
"				11477	69° "	
"				11523		10° F/L Dirt
"				11539		22° Break "
"				11524		50° Dirt
"				11522		60° Dirt

F. B. 3857 PG. 114 Job No. 0056.12 Division No. 11 Notes Red. Plotted Profile
Survey of Castaic Resv. After Bay Date 1-72 Date No.
Survey by A.C.G. Notes R.G.M. Notes Chk'd. Checked X-Sec.
Indexed C. J. GALLI Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.	Lt = N'ly	Rt = S'ly
37+50				115318	4.3 Edge of Pvmt	
"				115311	18.5 Apparent ℄ Pvmt	
"				115309	33.0 Edge of Pvmt	
"				11528	37.5 F/L Dirt	
"				11545	45.0 Top of Bank Dirt	
"				11453	58.5 Toe of Slope	
"				11452	70.0 Dirt	
"				11532		℄ Prod. Dirt
"				11529		6.0 F/L Dirt
"				11552		17.0 Top of Bank
"				11538		50.0 Dirt
38+00				11539	2.5 F/L Dirt	
"				115418	11.5 Edge of Pvmt	
"				115411	26.0 Apparent ℄ Rd	
"				115394	40.0 Edge of Pvmt	
"				11534	45.3 F/L Dirt	
"				11558	53.5 Top of Bank	
"				11450	72.0 Toe of Slope	
"				11447	78.0 Dirt	
				11446	103.0 Dirt	

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Notes Chk'd. ____ Checked ____ Survey by A.C.G. Notes RGM Date 1-3-72
Date ____ Date ____ Map No. ____ Indexed C. J. GALIN Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	Lt & North	Rt & South
38+00				11546		℄ PROD
"				11565		8° TOP OF BANK
"				11550		50° DIRT
T.P.				115389		
39+63.5				115829	16.5 S.S.M.H RIM ELEV =	58.29
				115407	FLOW LINE	− 4.22
						54.07
T.P.				116129		
T.P. 1+2				116796		
41+48.4				116691	19° EDGE CONC DN. DRAIN	
"				116626	23.5 F/L " "	"
"				116564	31° BREAK IN "	"
"				114955	58.7 END F/L "	"
T.P. 44+00				118554		
44+74.7				115183	96.7 24" C.M.P. outlet	
45+49.6				118275		55.7 24" C.M.P. inlet
T.P.				1194.77		
T.P.				1203.03	Rt. = EAST	Lt. = WEST
47+00				120881	14.6 EDGE PUMT	
"				12080	21° F/L DIRT	
"				12083	27° TOE OF SLOPE	DIRT
"				12203	42° TOP OF SLOPE	DIRT
"				12200	50° DIRT	

62.00 55.61 53.93 51.93 DR. BOT

F. B. 3857 PG. 116 Job No. 0056.12 Division No. 11 Notes Red Date 1-72 Plotted Date No. Profile
Survey of Castaic Resv. After Bay Notes Chk'd. Checked Date No. X-Sec.
Survey by A.C.G. Notes R.G.M. Date
Indexed C. J. GALLI Date

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STATION	B. S.	H. I.	F. S.	ELEV.	Rt = EAST	Lt. = WEST
47+00				120848		℄ Pvmt
"				120804		13' Edge Pvmt
"				12069		21' F/L Dirt
"				12099		48' Brk. Dirt Top
"				11983		66' Slope Dirt
T.P.				121126		
47+50				121224	Pvmt ℄	
"				121220	14' Edge of Pvmt	
"				12211	22' F/L Dirt Toe of Slope	
"				12223	42' Top of Slope Dirt	
"				12218	50' Dirt	
"				121191		14' Edge Pvmt
"				12116		19' F/L Dirt
"				12128		27' Brk Dirt
"				12130		43' Top of Slope Dirt
"				12099		55' Dirt
48+00				121600	Pvmt ℄	
"				121577	14' Edge Pvmt	
"				12143	22' F/L Dirt Toe of Slope	
"				12257	43' Top of Slope	
"				12260	50' Dirt	

Profile Notes Red ____ Plotted ____ Job No. 0056.12 Division No. 11 F. B. 3857 Pg. 117
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F. B. 3857 PG. 118

Survey of Castaic Resv. After Bay
Survey by A.C.G. Notes RGM
Indexed C. J. GALLI Date

Job No. 0056.12 Division No. 11 Notes Red Plotted Profile
Date 1-72 Date Date No.
Notes Chk'd. Checked X-Sec.
Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.	Rt. & EAST	Lt. & WEST
48+00				121573		14' Edge Point
"				12153		18' F/L Dirt
"				12157		24' Brk. Dirt
"				12146		50' Dirt Road
T.P.				121886		
48+50				121947	14' Edge Point	
"				12187	22' F/L Dirt Toe of Slope	
"				12322	36' Top Slope Dirt	
"				12307	57' Bot Berm Dirt	
				1240	60' Dirt	
"				121973		℄ Point
"				12 19 51		14' Edge Point
"				12 188		22' F/L Dirt
"				12206		31' Brk Dirt
"				12216		50' Top of Slope Dirt
"				12194		60' Dirt Slope
49+00				122315	14' Edge Point	
"				12223	22' F/L Dirt Toe of Slope	
"				12393	50' Top of Slope	
"				12373	57' Dirt Bot Berm	
				12375	67' Dirt	

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STATION	B. S.	H. I.	F. S.	ELEV.	Rt ℄ EAST	LT. ℄ WEST
49+00				122349		℄ Pum't
"				122328		14° Edge Pum't
"				12229		22° F/L Dirt
"				12244		32° Brk Dirt
"				12245		50° Dirt
				12238		62° Top Bank
49+50				122682	14° Edge Pum't	
"				12265	23° F/L Toe of Slope Dirt	
"				12400	45° Break Dirt	
"				12445	60° Top Bank	
" T.P.				122726		℄ Pum't
"				122727		14° Edge Pum't
"				12267		23° F/L Dirt
"				12281		32° Brk Dirt
"				12264		50° Dirt Slope
"				12244		60° Bank edge
49+83				123005		24° Cor Conc. Dn Drain
+89.5				122915		29° F/L " " "
+89.5				122010		52° F/L " " "
+96.0				123098		24° Cor " " "

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0056.12 Division No. 11 F.B. 3857 Pg. 119
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Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	Rt E EAST	J. E WEST
50+00				123054	14.6 Edge Pum't	
"				12295	24.0 F/L Toe of Slope	
"				12538	58.0 Top Bank	
"				12521	63.0 Dirt BRK	
				12513	85.0 DIRT	
"				123111		℄ Pum't
"				123133		14.2 Edge Pum't
"				12303		27.0 F/L Dirt
"				12324		33.0 Top Bank Dirt
"				12222		50.0 Dirt
50+50				123422	14.0 Edge Pum't	
"				12342	25.0 F/L Dirt Toe of Slope	
"				12471	47.0 Brk. Slope	
"				12519	60.0 Dirt Top	
				12544	70.0 SLOPE DIRT	
"				123490		℄ Pum't.
"				123534		14.4 Edge Pum't.
"				12346		22.0 F/L Dirt
"				12361		32.0 Top Bank Dirt
"				12246		50.0 Dirt
50+59.0				123457	24.0 Edge Conc Drain	
+65.0				123407	28.5 F/L " "	

F. B. 3857 Pg. 120
Job No. 005612 Division No. 11 Notes Red Plotted Profile
Survey of Castaic Resv. After Bay Date 1-72 Date No.
Survey by A.C.G. Notes R.G.M. Notes Chk'd. Checked X-Sec.
Indexed C. J. GALLI Date Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.	Rt. & EAST	LT & WEST
50+65.0				1235 05	30° F/L 36" C.M.P.	CATCH BASIN
"				1231 05	F/L CONC DRAIN	ELEV = 35.05
					36" C.M.P	= − 4.00
						ELEV = 31.05
50+72.5				1234 67	29° F/L CONC. DN.	DRAIN
"				1240 26	35° " " "	"
"				1243 59	50° " " "	"
50+78.6				1236 08	24° COR. CONC.	DRAIN
"				1235 16	29° F/L "	"
T.P.				1236 30		
50+91.82 B.C.				1237 20	14.5 Edge Pvmt	
"				1236 4	23° F/L DIRT	
"				1236 5	28.5 Toe of Slope	
"				1251 2	48° Top of "	Break
"				1256 7	65° Slope Dirt	
"				1238 05		℄ Drain
"				1238 76		14° Edge Pvmt
"				1237 8		22° F/L DIRT
"				1239 9		31° Top BANK DIRT
"				1228 9		50° DIRT

Profile No. ____ Notes Red ____ Plotted ____ Job No. ____ Division No. ____
X-Sec. No. ____ Date ____ Date ____ Survey of Castaic Resv. After Bay
Notes Chk'd. ____ Checked ____ Survey by A.C.G. Notes RGM Date 1-4-72
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALL Date ____

F. B. 3857 PG. 121

76-L-298 CE 307 8-70

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STATION	B. S.	H. I.	F. S.	ELEV.	RT & EAST	LT & WEST
51+50				1242 42	2.5 Apparent ℄ Pave.	
				1241 33	17.3 Edge Pave.	
"				12408	30.0 F/L Dirt Toe Slope	
"				12531	46° Slope Brk.	
				12571	55° Top Bank	
"				1242 62		℄ Prod
"				1243 24		11.8 Edge Pumt
"				12426		20.0 F/L Dirt
"				12445		30.0 Top Bank Dirt
"				12397		41.0 Toe Slope Dirt
"				12394		50.0 Dirt
T.P.				1245 28		
52+00				1246 24	8.0 Pumt Apparent ℄	
"				1245 28	22.5 Edge Pumt	
"				12440	32.0 F/L Toe of Slope	
"				12590	53.0 Top of Slope	
"				12697	66.8 Dirt	
"				1246 74		℄ Prod
"				1247 05		6.6 Edge Pum't
"				12465		13.5 F/L Dirt
"				12492		29.0 Brk. Dirt
"				12484		60° Dirt Top Bnk.

X

F. B. 3857 Pg. 1220 Job No. 0056.12 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of Castaic Resv. After Bay Date 1-72 Date ____ No. ____
Survey by A.C.G. Notes R.G.M. Notes Chk'd. ____ Checked ____ X-Sec. ____
Indexed C. J. GALLI Date ____ Date ____ No. ____

76-L-298 CE 307 8-70

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STATION	B. S.	H. I.	F. S.	ELEV.	Rt & EAST	LT & WEST
52+50				125086	12 Edge Pvmt	
"				125017	17° Apparent ℄	
"				124933	31° Edge Pvmt	
"				12477	41° F/L Dirt Toe of Slope	
"				12728	78° Top of Slope	
"				12509		℄ Prod. Dirt
"				12500		6° F/L Dirt
"				12520		16° Bek. Dirt Top Bank
"				12516		40 Dirt Top Bank
T.P. RPPI				12591		
53+00				125372	11° Pvmt Apparent ℄	
"				125251	26° Edge Pvmt	
"				12506	36° F/L Dirt Toe Slope	
"				12778	71° Dirt Top Bank	
				12795	81° Dirt	
"				125477		℄ Prod
"				125496		3° Edge Pvmt
"				12546		10° F/L Dirt
"				12565		21° Bek Dirt
X "				12561		32° Top Slope Dirt

Profile Notes Red ____ Plotted ____ Job No. 0056.12 Division No. 11 F. B. 3895 PG. 123
No. ____ Date ____ Date ____ Survey of Castaic Resv. After Bay
X-Sec. Notes Chk'd ____ Checked ____ Survey by A.C.G. Notes RGM Date 1-4-72
No. ____ Date ____ Date ____ Map No. ____ Indexed C.J. GALL Date ____

76-L-298 CE 307 8-70

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F.B. 3857 PG. 124 | Job No. 0258.12 | Division No. 11 | Notes Red | Plotted | Profile No.
Survey of Castaic Resv After Bay | Date 1-72 | Date | X-Sec. No.
Survey by A.C.G. | Notes R.G.M. | Notes Chk'd. | Checked
Indexed C. J. GALLI | Date | Date | Date

STATION	B. S.	H. I.	F. S.	ELEV.	Rt ℄ EAST	LT ℄ WEST
53+00				1245.3		50° DIRT
53+50				1257.65	4° Point Apparent ℄	
"				1256.45	19° Edge Point	
"				1254.8	28° F/L DIRT Toe	Slope
"				1297.3	72° DIRT Top Bank	
"				1297.8	95° Dirt	
"				1257.99		℄ ROD
"				1258.58		10° Edge Point
"				1258.1		17° F/L Dirt
"				1259.8		27° Top Slope
"				1248.8		50° DIRT Toe Slope
T.P.				1258.33		
54+00				1260.31	15° EDGE POINT	
"				1258.7	25° F/L DIRT Toe	Slope
"				1300.6	70° DIRT Top bank	
"				1299.0	85° BNK	
"				1303.4	97° TOP Bank	
"				1261.42		℄ ROD
"				1262.07		13° Edge Point
"				1261.5		25° F/L DIRT
"				1262.7		30° Top Slope

76-L-298 CE 307 8-70

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STATION	B. S.	H. I.	F. S.	ELEV.	RT ℄ EAST	LT ℄ WEST
54+00				12581		40° Dirt toe slope
"				12568		50° Dirt
54+34 32 RC				126387		℄
"				126313	15° Edge pave	
"				12619	23.5 F/L toe slope	
				13041	70° Top Bank	
"				13020	85° Toe slope	
"				13168	106° Top Bank	
				13170	121° Slope	
"				126443		14° edge pave
"				12639		23° F/L dirt
"				12648		31° Top Bank
"				12601		41° break toe slope
"				12586		50° dirt
T.P.				125763		
T.P.				124915		
T.P.				124041		
T.P.				123130		
T.P.				122246		
T.P.				121335		
E.C.				120653	CA-32 Elev=1206.552 Lake Hughes Rd.	Cont. pg 126

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0056.12 Division No. 11 F.B. 3857 Pg. 125
X-Sec. No. ____ Date ____ Date ____ Survey of Castaic Resv. After Bay
Notes Chk'd. ____ Checked ____ Survey by A.C.G. Notes RGM Date 1-4-72
Date ____ Date ____ Map No. ____ Indexed C. J. GALD Date ____

76-L-298 CE 307 8-70

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STATION	B. S.	H. I.	F. S.	ELEV.		
CA-32 (continued from Pg 125)					-East side of After Bay, 121.3 ft ± S'ly of ℄ of Access Road to After Bay, 166 ft ± S'ly of P.P. #1735960E A std. Road Dept. Brass Cap Mon. w/Casing & Cover on ℄ of New Lake Hughes Road.	

F. B. 3857 Pg. 126 Job No. 0056.12 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of Castaic Resv. After Bay Date 1-72 Date ____ No. ____
Survey by A.C.G. Notes R.G.M. Notes Chk'd. ____ Checked ____ X-Sec. ____
Indexed C. J. GALLI Date ____ Date ____ Date ____ No. ____

Profile No.	Notes Red	Plotted	Job No. 0056.12	Division No. 11	F. B. 3857 PG. 127
	Date	Date	Survey of CASTAIC LAKE STATE & CO. REG PARK		
X-Sec.	Notes Chk'd.	Checked	Survey by MENNE	Notes M.R.N.	Date 3 JAN 72
No.	Date	Date	Map No.	Indexed C. J. GALLI	Date JAN 6 '72

CROSS-SECTIONS

OF OLD RIDGE ROUTE

FROM STA. 54+50 TO STA. 60+50

STA. OF LAKE HUGHES RD
IS 46 + 31 14

USED LENKER ROD

J.N. 0056.12

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

PARTY
MENNE
NEVAREZ
PULSIFER
MUNOZ
DONLEVY

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76-L.298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.		
					C.A. #1 - PROP. COR. ELEV = 1165.511 OLD RIDGE ROUTE & NEW LAKE HUGHES RD., 952.5 FT. NORTH THEREOF. 50 FEET EAST OF THE ℄ OF THE OLD RIDGE ROUTE. A 1" I.P. W/WOOD PLUG & NL. 12" BELOW THE SURFACE. PER F.B. 3857-52	
B.M. C.A. #1				1165 511		
54+50				1166 4	50' L	
				1165 9	26' L TOP	
				1165 2	23' L BOTTOM	
				1166 10	12' L EDGE OF PVMT.	
				1166 48		℄
				1166 17		12' R EDGE OF PVMT.
				1164 8		23' R BOTTOM
				1165 0		29' R TOP
				1164 4		39' R BOTTOM
				1166 3		47' R TOP
				1166 3		50' R
55+00				1166 7	50' L	
				1166 6	26' L TOP	
				1165 6	23' L BOTTOM	
				1166 39	12' L EDGE OF PVMT.	
				1166 58		℄
				1166 37		12' R EDGE OF PVMT.
				1165 3		23' R BOTTOM

F. B. 3857 PG. 128

Job No. 0256.12 Division No. 11 Notes Red ____ Plotted ____ Profile ____

Survey of CASTAIC LAKE STATE & CO. REG. PARK Date 3 JAN 72 Date ____ No. ____ X-Sec. ____

Survey by MENNE Notes M.R.N. Notes Chk'd. ____ Checked ____

Indexed C. J. GALLI Date ____ Date ____ Date ____ No. ____

76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.		
55 + 00				1165 6		28' R TOP
				1164 7		39' R BOTTOM
				1166 4		47' R TOP
				1166 4		50' R
55+ 50				1167 4	50' L	
				1167 0	26' L TOP	
				1166 0	23' L BOTTOM	
				1166 68	12' L EDGE OF PVMT	
				1166 90		℄
				1166 67		12' R EDGE OF PVMT
				1166 4		26' R BREAK
				1166 1		38' R BREAK
				1166 3		50' R
56 + 00				1167 5	50' L	
				1167 5	22' L TOP	
				1167 2	20' L BOTTOM	
				1167 35	12' L EDGE OF PVMT	
				1167 62		℄
				1167 48		12' R EDGE OF PVMT
				1166 6		23' R BREAK
				1166 3		50' R

Profile Notes Red ____ Plotted ____ Job No. 0256.12 Division No. 11
No. ____ Date ____ Date ____ Survey of CASTAIC LAKE STATE & CO. REG. PARK
X-Sec. Notes Chk'd. ____ Checked ____ Survey by MENNE Notes M.R.N. Date 3 JAN 72
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 3857 PG. 129

76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.		
56 + 50				1167 9	50' L	
				1168 1	25' L TOP	
				1167 8	23' L BOTTOM	
				1168 47	13' L EDGE OF PVMT	
				1168 79		℄
				1168 55		12' R EDGE OF PVMT
				1167 4		24' R BOTTOM
				1167 8		26' R TOP
				1166 9		50' R
57+00				1168 8	50' L	
				1169 7	22' L TOP	
				1169 0	20' L BOTTOM	
				1169 99	13' L EDGE OF PVMT	
				1170 40		℄
				1170 07		12' R EDGE OF PVMT.
				1169 1		21' R BOTTOM
				1169 2		24' R BREAK
				1168 5		32' R BREAK
				1168 0		50' R
57+04^{3}				1169 90	23' L TOP OF SLY E/O CATCH BASIN	
57+08^{0}				1169 92	23' L CTR. OF TOP OF CATCH BASIN	

F. B. 3857 PG. 130

Job No. 0056.12 Division No. 11 Notes Red ____ Plotted ____ Profile ____

Survey of CASTAIC LAKE STATE & CO. REG PARK Date 3 JAN 72 Date ____ No. ____

Survey by MENNE Notes M. R. N. Notes Chk'd. ____ Checked ____ X-Sec. ____

Indexed C. J. GALLI Date ____ Date ____ No. ____

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STATION	B. S.	H. I.	F. S.	ELEV.		
57+11 B				1169 91	23' L TOP OF NLY E/O	CATCH BASIN
				1169 94	23 L LET IN TOP OF	CATCH BASIN
57+46 B				1170 5	50' L	
				1170 7	25' L TOP	
				1170 3	22' L BOTTOM	
				1171 56	13' L EDGE OF PVMT	
				1171 88		℄
				1171 57		12' R EDGE OF PVMT
				1170 8		24' R BREAK
				1169 4		33' R BREAK
				1169 0		50' R
57+50				1170 5	50' L	
				1170 9	25' L TOP	
				1170 4	22' L BOTTOM	
				1171 68	13' L EDGE OF PVMT	
				1171 98		℄
				1171 64		12' R EDGE OF PVMT.
				1170 9		24' R BREAK
				1169 3		36' R BREAK
				1169 1		50' R

Profile Notes Red ____ Plotted ____ Job No. 0256.12 Division No. 11
No. ____ Date ____ Date ____ Survey of CASTAIC LAKE STATE & CO. REG. PARK
X-Sec. Notes Chk'd. ____ Checked ____ Survey by MENNE Notes M.R.N. Date JAN 72
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 3857 PG. 131

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F. B. 3857 PG. 132 | Job No. 0056.12 Division No. 11 Notes Red ____ Plotted ____ Profile No. ____
Survey of CASTAIC LAKE STATE & CO. REG. PARK Date JAN 72 Date ____ X-Sec. No. ____
Survey by MENNE Notes M.R.N. Notes Chk'd. ____ Checked ____
Indexed ____ Date ____ Date ____

STATION	B. S.	H. I.	F. S.	ELEV.		
58+00				1180 4	50' L	
				1176 9	29' L TOP	
				1172 9	19' L BOTTOM	
				1173 37	13' L EDGE OF PVMT.	
				1173.53		℄
				1173 17		12' R EDGE OF PVMT.
				1172 5		25' R BREAK
				1171 4		33' R BREAK
				1170 9		50' R
58+50				1189 4	50' L	
				1185 4	39' L BREAK	
				1183 4	28' L TOP	
				1174 6	18' L BOTTOM	
				1174 93	13' L EDGE OF PVMT.	
				1175 10		℄
				1174 97		12' R EDGE OF PVMT
				1174 1		27' R BREAK
				1173 1		34' R BREAK
				1172 5		50' R
59+00				1190 3	50' L	
				1184 8	32' L TOP	

C. J. GALLI

76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.		
59+00				1176 2	19' L BOTTOM	
				1176 73	13' L EDGE OF PVMT	
				1176 82		℄
				1176 70		12' R EDGE OF PVMT
				1176 0		27' R BREAK
				1174 6		36' R BREAK
				1174 4		50' R
59+50				1189 1	50' L	
				1184 9	38' L BREAK	
				1183 9	32' L TOP	
				1177 5	19' L BOTTOM	
				1178 31	13' L EDGE OF PVMT	
				1178 48		℄
				1178 35		12' R EDGE OF PVMT
				1177 6		25' R BREAK
				1176 4		35' R BREAK
				1176 2		50' R
60+00				1190 7	50' L	
				1186 2	36' L TOP	
				1179 2	22' L BOTTOM	
				1179 92	13' L EDGE OF PVMT	

Profile Notes Red ____ Plotted ____ Job No. 0056.12 Division No. 11
No. ____ Date ____ Date ____ Survey of CASTAK LAKE STATE & CO. REG PARK
X-Sec. Notes Chk'd. ____ Checked ____ Survey by MENNIE Notes M.R.N. Date JAN 72
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. CALL Date ____

F. B. 3857 PG. 133

76-L-298 CE 307 5-66

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F. B. 3857 PG. 134

Job No. 0056.12 Division No. 11 Notes Red ____ Plotted ____ Profile ____

Survey of CASTAIC LAKE STATE & CO. REG PARK Date JAN 72 Date ____ No. ____ X-Sec. ____

Survey by HENNE Notes MRN Notes Chk'd. ____ Checked ____

Indexed C. J. GALLI Date ____ Date ____ No. ____

STATION	B. S.	H. I.	F. S.	ELEV.		
60+00				1180 17		℄
				1179 92		12' R EDGE OF PVMT
				1179 1		25' R BREAK
				1178 2		33' R BREAK
				1177 8		50' R
60+50				1195 3	50' L	
				1191 0	38' L BREAK	
				1183 6	29' L TOP	
				11808	21' L BOTTOM	
				1181 54	13' L EDGE OF PVMT	
				1181 81		℄
				1181 66		12' R EDGE OF PVMT
				11808		25' R BREAK
				1180 1		34' R BREAK
				1179 6		50' R
BM C.A.# 2				1184 64	C.A. 2 - PROP COR. ELEV. = 1184.621 OLD RIDGE ROUTE. INT. OF OLD RIDGE ROUTE & NEW LAKE HUGHES ROAD, 1566 FEET ± NORTH THEREOF, 50 FEET EAST OF THE ℄ OF OLD RIDGE RTE. A STD L.A. CO. ENGR BRASS CAP MON. UP 2' STAMPED PROP COR. PER. F.B. 3857-53	

76-L-298 CE 307 5-66

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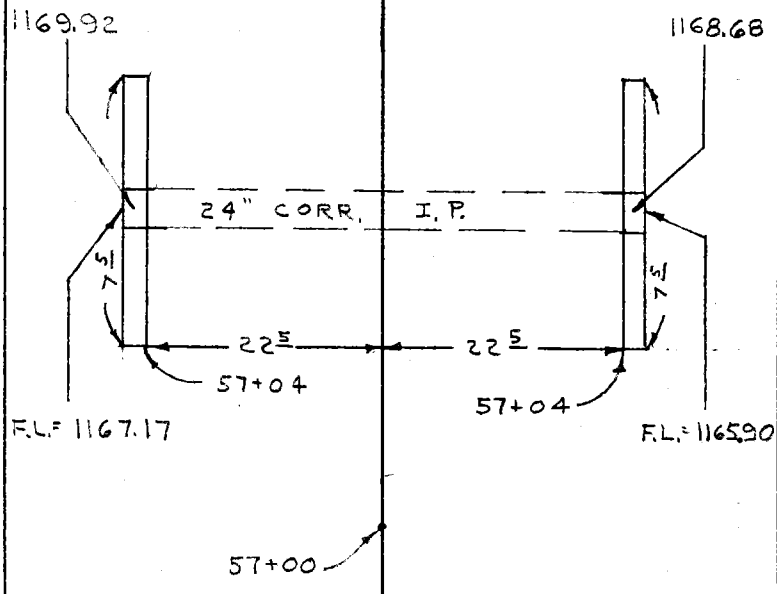
STATION	B. S.	H. I.	F. S.	ELEV.		

LOCATION & ELEV OF CULVERT



Profile Notes Red ____ Plotted ____ Job No. 2056.12 Division No. 11
No. ____ Date ____ Date ____ Survey of LASTAIC LAKE STATE & CO. REG. PARK
X-Sec. Notes Chk'd. ____ Checked ____ Survey by MENNE Notes MRN Date JAN 72
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALL Date ____

F. B. 3857 PG. 135

F. B. 3857 PG. 137

Profile No.	Notes Red	Plotted	Job No. 0056.12	Division No.
	Date	Date	Survey of CASTAIC LAKE STATE & Co. REG PARK	
X-Sec. No.	Notes Chk'd.	Checked	Survey by JT & JM	Notes JT Date 1-72
	Date	Date	Map No.	Indexed C. J. GALLI Date

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CASTAIC LAKE STATE AND COUNTY REG. PARK

CROSS SECTIONS OF OLD RIDGE ROUTE FROM A POINT 535.42 NLY. OF FIRST P.I., FROM INT. WITH NEW LAKE HUGHES RD., AND THENCE 650 FT NLY.

J. N. 0056.12

JAN 1972

(STA. @ INT W/ LAKE HUGHES RD = 46+31.14)

STATION	B. S.	H. I.	F. S.	ELEV.
		REF: F.B. 3857 SHEET 6 OF CAP PROJ # 9940.02		

PARTY

J. TERRANOVA J. MENNE

76-L-298 CE 307 5-66

76-L-298 CE 307 5-66

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LT.	℄	RT
					El. No Good. Mon Moved D.L.B. 4-5-74		
FP C.A. #4				1212 375	CA-4 - Prop Cor. - El.=1212.375, Old Ridge Rte Int of Old Ridge Rte & New Lake Hughes Rd, 2293± N. Thereof 50 ft ± East Of The ℄ Of Old Ridge Rte, A Std L.A. Co Engr. Brass Cap Mon. Up 2" Stamped Prop Cor. F.B. 3857-16, 53		
535.42 N. of P.I. = 0+00				07 84		℄	
				07 67		12'	Ed Pav.
				06 9		24'	BT Burm
				07 8		26'	TP Burm
				07 4		50	Flat
				07 41	12.5 Ed. Pav.		
				06 1	25' BT Cut		
				08 3	37' TP Cut		
				08 5	50 Flat		
0+50				09 62		℄	
				09 50		12'	Ed Pav
				08 5		24'	BT Burm

LENKER ROD USED

F. B. 3857 Pg. 138

Job No. 005612 Division No. ____ Notes Red ____ Plotted ____ Profile ____

Survey of Castaic Lake St. & Co. Reg. Park Date ____ Date ____ No. ____

Survey by JT & JH Notes JT Notes Chk'd. ____ Checked ____ X-Sec. ____

Indexed C. J. GALLI Date 1-72 Date ____ Date ____ No. ____

76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.	LT.	℄	RT
0+50				1209 4		28'	Top Burm
				09 2		50'	FLAT
				09 20	12.5' ED PAV		
				07 7	25' BT CUT		
				10 0	37' TP CUT		
				10 2	50' FLAT		
1+00				11 37		℄	
				11 14		12' RT	ED PAV.
				09 9		24'	BT Burm
				10 7		26'	TP Burm
				10 6		50'	FLAT
				11 03	12.5' ED PAV.		
				09 8	25' BT CUT		
				11 6	37' TP CUT		
				11 8	50' FLAT		
1+50				13 15		℄	
				12 93		12'	ED PAV.
				11 8		23'	BT Burm
				13 1		27'	TP Burm
				13 3		50'	FLAT
				12 87	12.5' ED PAV.		

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0056 12 Division No. ____
X-Sec. No. ____ Date ____ Date ____ Survey of CASTAIC LAKE STATE & CO. REG PARK
Notes Chk'd. ____ Checked ____ Survey by JT & JH Notes JT. Date 1-72
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 3857 PG. 139

76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.	LT.	℄	RT.
1+50				1211 4	25' BT CUT		
				12 6	34' BR.		
				14 0	40' TP CUT		
				13 8	50' FLAT		
2+00				15 00		℄	
				14 70		12'	ED PAV.
				13 5		24'	BT. BURM
				14 8		27'	TP "
				14 4		50'	FLAT
				14 60	12.5' ED PAV.		
				13 2	27' BT CUT		
				14 0	36' BR.		
				15 2	41' TP CUT		
				15 4	50' FLAT		
2+50				16 84		℄	
				16 61		12'	ED PAV.
				15 5		23'	BT BURM
				16 9		27'	TP "
				16 2		50'	FLAT
				16 55	12'5 ED PAV.		
				14 9	27' BT CUT		

F. B. 3857 Pg. 140 | Job No. ~~0036~~ 12 | Division No. | Notes Red | Plotted | Profile
Survey of CASTAIC LAKE STATE & Co REC PARK | Date | Date | No.
Survey by JT & JM | Notes JT | Notes Chk'd. | Checked | X-Sec.
Indexed C. J. GALLI | Date 1-72 | Date | Date | No.

76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.	LT		℄	RT.	
2+50				12 15 2	32'	BRK.			
				18 1	38'	TP CUT			
				17 9	50'	FLAT			
3+00				18 71			℄		
				18 48				12'	ED PAV.
				17 3				22'	BT BURM
				18 5				26'	TP "
				18 0				50'	FLAT
				18 46	12.5'	ED PAV.			
				16 7	26'	BT CUT			
				20 2	35'	TP CUT			
				19 9	50'	FLAT			
3+50				20 44			℄		
				20 25				12'	ED PAV
				19 4				22'	BT BURM
				20 7				24'	TP BURM
				19 9				50'	FLAT
				20 22	12.5'	ED PAV			
				18 8	24'	BT CUT			
				22 5	34'	TP CUT			
				21 7	50'	FLAT			

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 005612 Division No. ____
X-Sec. No. ____ Notes Chk'd. ____ Date ____ Checked ____ Date ____ Survey of CASTAIC LAKE STATE & CO REG PARK
Survey by JT & JH Notes LT Date 1-72
Map No. ____ Indexed C. J. GALL Date ____

F. B. 3857 PG. 141

76-L-298 CE 307 5-66

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LT		℄	RT.	
4+00				1222 22			℄		
				21 95			12'		ED PAV.
				21 2			22'		BT BURM
				22 6			25'		TP "
				21 6			50'		FLAT
				21 94	12.5'	ED PAV			
				20 8	25'	BT CUT			
				24 4	33'	TP CUT			
				23 5	50'	FLAT			
4+50				23 41			℄		
				23 78			12'		ED PAV
				23 2			22'		BT BURM
				24 4			25'		TP "
				23 4			50'		FLAT
				23 75	12.5'	ED PAV			
				22 8	24'	BT CUT			
				26 5	32'	TP CUT			
				25 3	50'	FLAT			
5+00				25 85			℄		
				25 66			12'		ED PAV.
				25 0			22'		BT BURM

F. B. 3857 PG. 142
Job No. 005612 Division No. ____ Notes Red ____ Plotted ____ Profile ____
Survey of CASTAIC LAKE STATE & CO REG PARK Date ____ Date ____ No. ____
Survey by JT & JH Notes JT Notes Chk'd. ____ Checked ____ X-Sec. ____
Indexed C. J. GALLI Date 1-72 Date ____ Date ____ No. ____

76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.	LT		℄	RT.	
5+00				12 26 1				25'	TP BURM
				25 0				50	FLAT
				25 51	12.5'	ED PAV.			
				24 7	24'	BT CUT			
				29 4	33'	TP CUT			
				27 1	50'	FLAT			
5+50				27 70			℄		
				27 59				12'	ED PAV.
				26 9			21'		BT BURM
				27 8			23'		TP "
				27 1			50'		FLAT
				27 40	12.5'	ED PAV.			
				26 7	25'	BT CUT			
				29 9	33'	TP CUT			
				28 6	50'	FLAT			
6+00				29 90			℄		
				29 69			13'		ED PAV.
				28 3			23'		BT BURM
				29 4			25'		TP BURM
				28 7			50'		FLAT
				29 76	11'	ED PAV.			

Profile Notes Red ____ Plotted ____ Job No. 56 12 Division No. ____
No. ____ Date ____ Date ____ Survey of CASTAIC LAKE STATE & CO REC PARK
X-Sec. Notes Chk'd. ____ Checked ____ Survey by JT & JM Notes JT Date 1-72
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 3857 PG. 143

76-L-298 CE 307 5-66

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LT		℄	RT	
6+00				1228 5	26'	BT CUT			
				30 1	33'	TP CUT			
				30 9	50'	FLAT			
6+50				32 46			℄		
				32 12			9'		BREAK
				31 08			26'		ED PAVM'T
				30 9			33'		BT BURM
				31 0			36'		TP "
				31 0			50'		FLAT
				32 05	12'	ED PAV			
				30 7	27'	BT CUT			
				32 3	35'	TP CUT			
				32 7		FLAT			
FD. 208-72				1230 12	BM. 208-72 = USC. & GS X-370				
					ELEV. = 1230.129				
					SEE F.B. 3857-54 FOR DISC.				

F. B. 3857 PG. 144
Job No. 0056 12 Division No. Notes Red Plotted Profile
Survey of CASTAIC LAKE STATE FLG. REG PARK Date Date No.
Survey by JT & JH Notes JT Notes Chk'd. Checked X-Sec.
Indexed C. J. GALLI Date 1-72 Date Date No.

CASTAIC

Notes Ck'd by R. HILARIO	Survey of RESERVOIR AFTERBAY
Map No.	JN 9940.05 Tape 133 Std 84 °F
Office Work	Surveyed by J. P. MENNE
Checked	Notes J. P. M Date 3-21-72
Date	Indexed C. J. GALLI JUN 28 '72

F. B. 3857 PG. 145

CASTAIC RESERVOIR

AFTERBAY

J. N. 9940.05

VERTICAL AND HORIZONTAL

CONTROL

FOR

TOPOGRAPHY

J. P. MENNE

M. NENAREZ

R. PULSIFER

T. DONLEVY

J. MUNOZ

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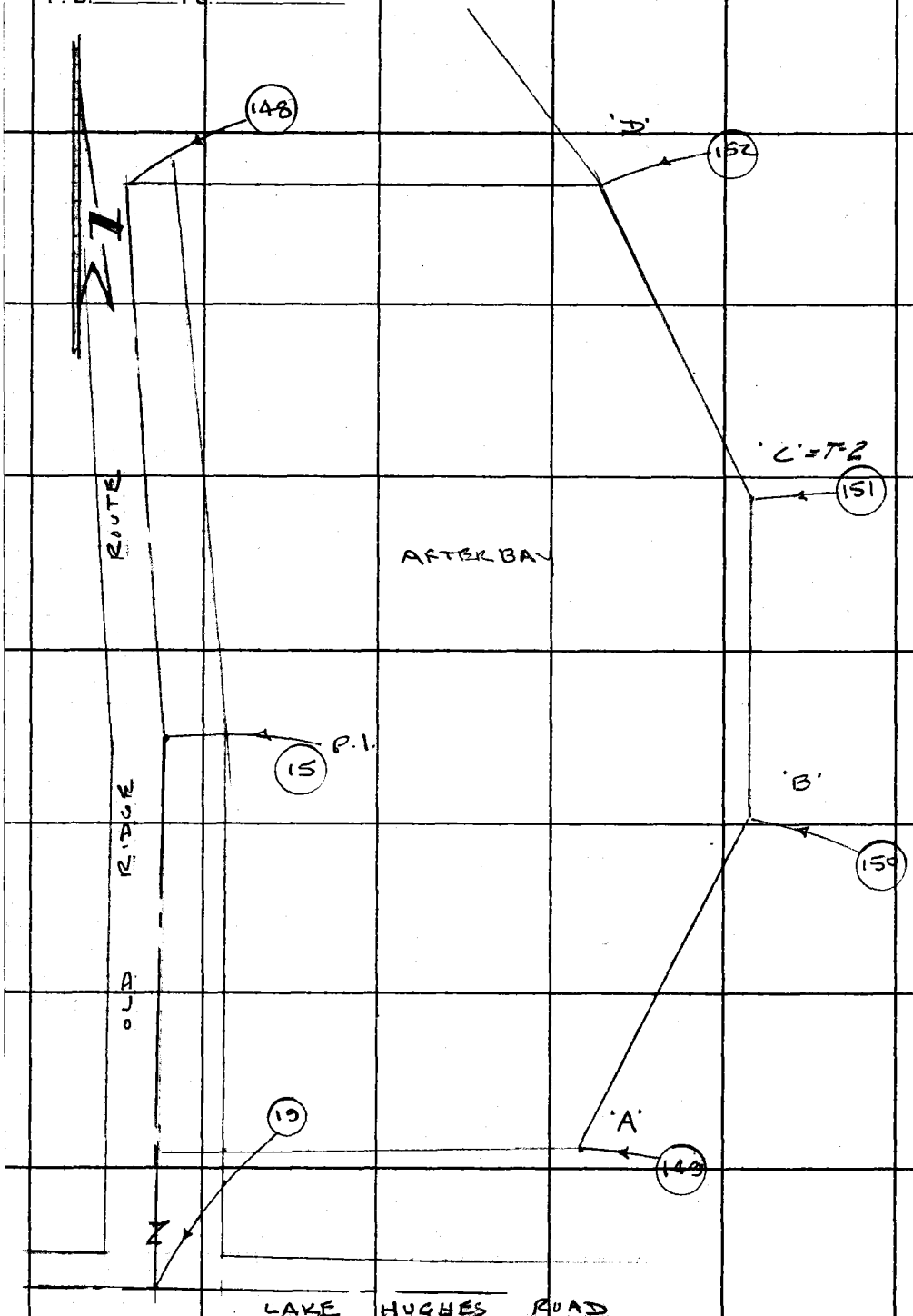
76F309s CE#310 3-69

F. B. 3857 Pg. 146



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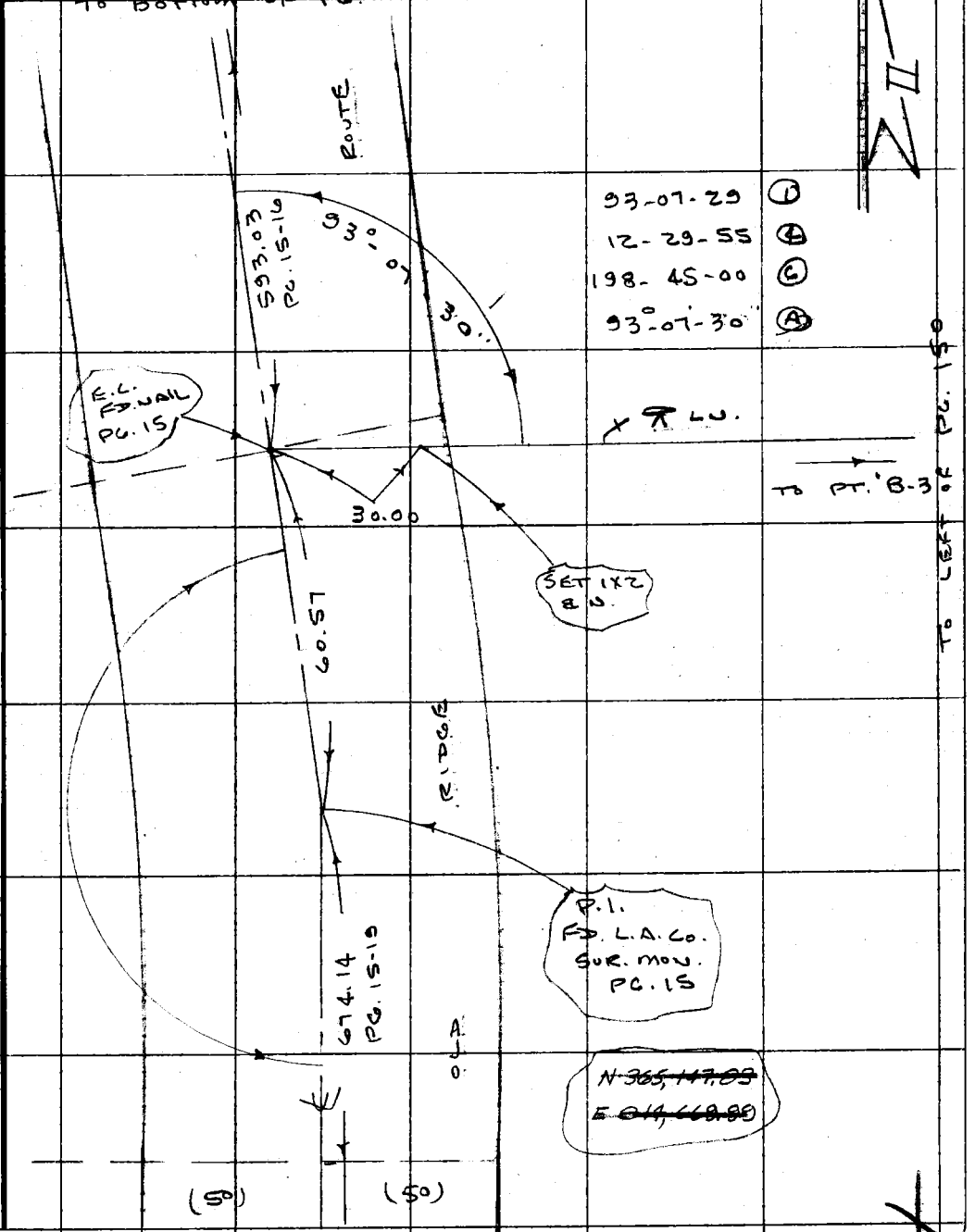
Map No.	JN 9920.05 Tape 133 Std 84 °F
Office Work	Surveyed by J. P. MENUE
Checked	Notes J.P.M. Date 3-21-72
Date	Indexed C. J. GALLI JUN 28 '72

F. B. 3857 PG. 147

To Bottom of Pg. 148



~~N 365,147.09~~
~~E 914,669.80~~

To Bottom Left of Pg. 149

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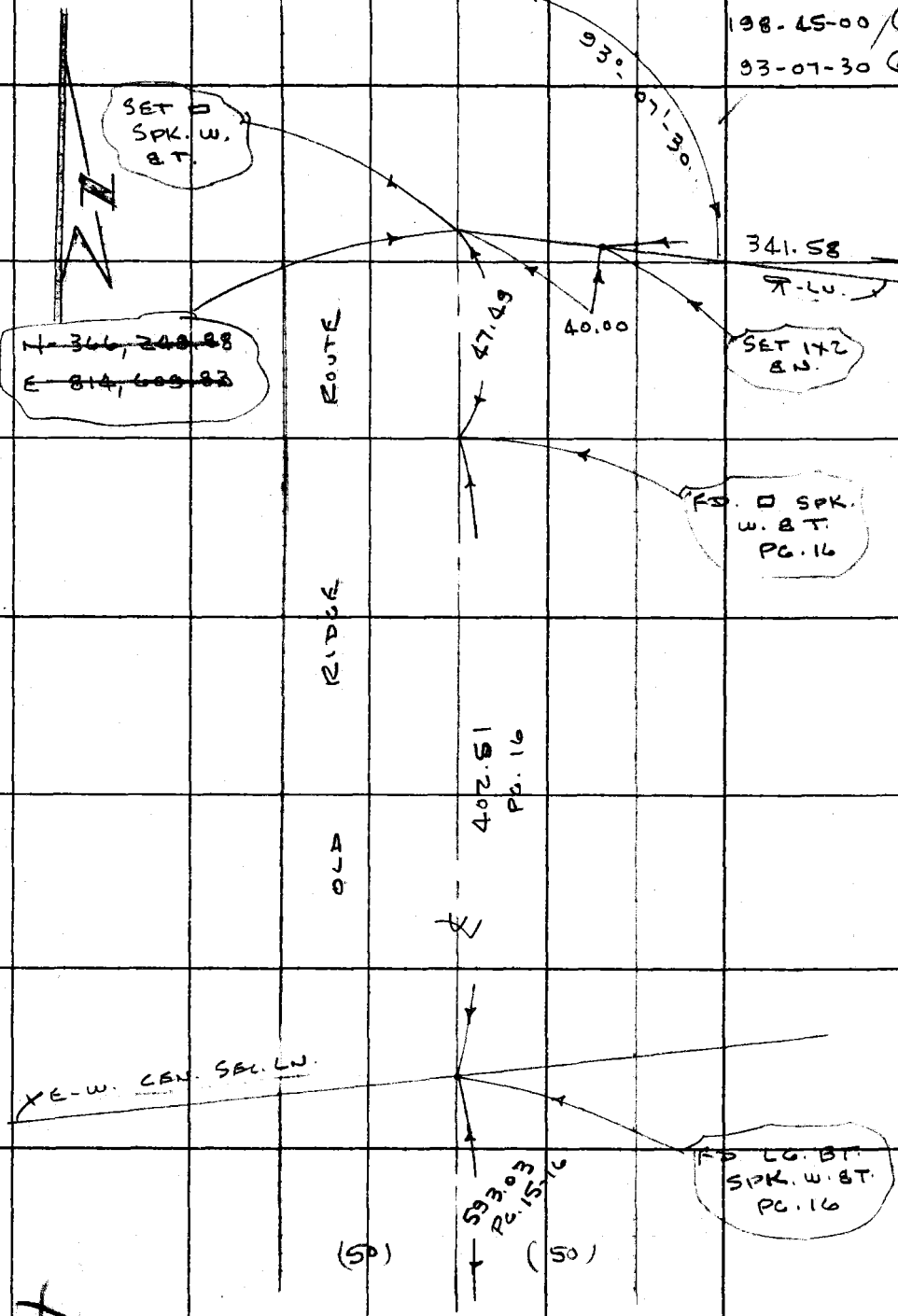
76F309S CE#310 3-69

2

F. B. 3857 PG. 148

93-07-30 (D)
12-29-55 (L)
198-45-00 (E)
93-07-30 (A)



TO TOP OF PG. 147

TO LEFT TOP OF PG. 152

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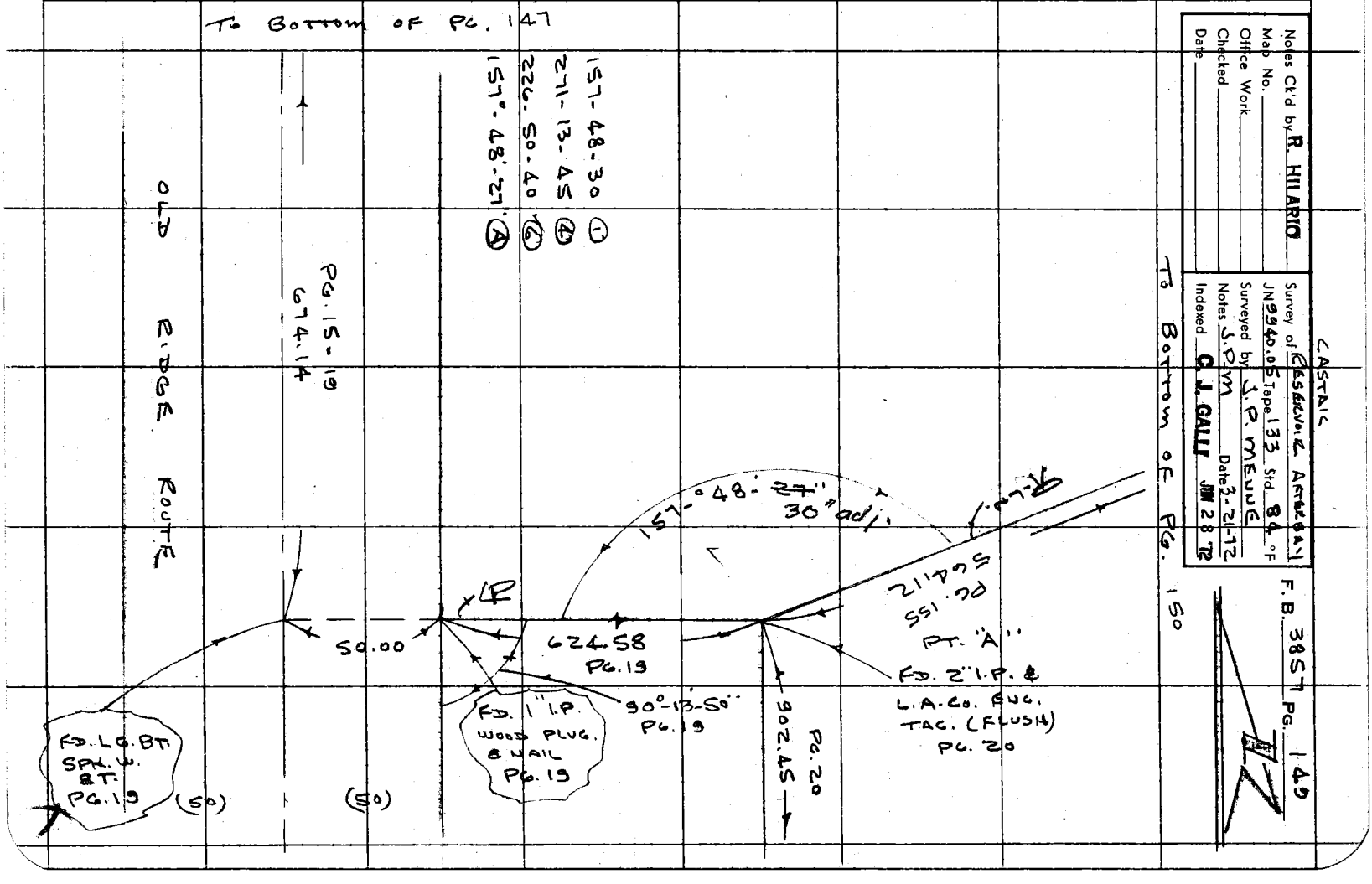
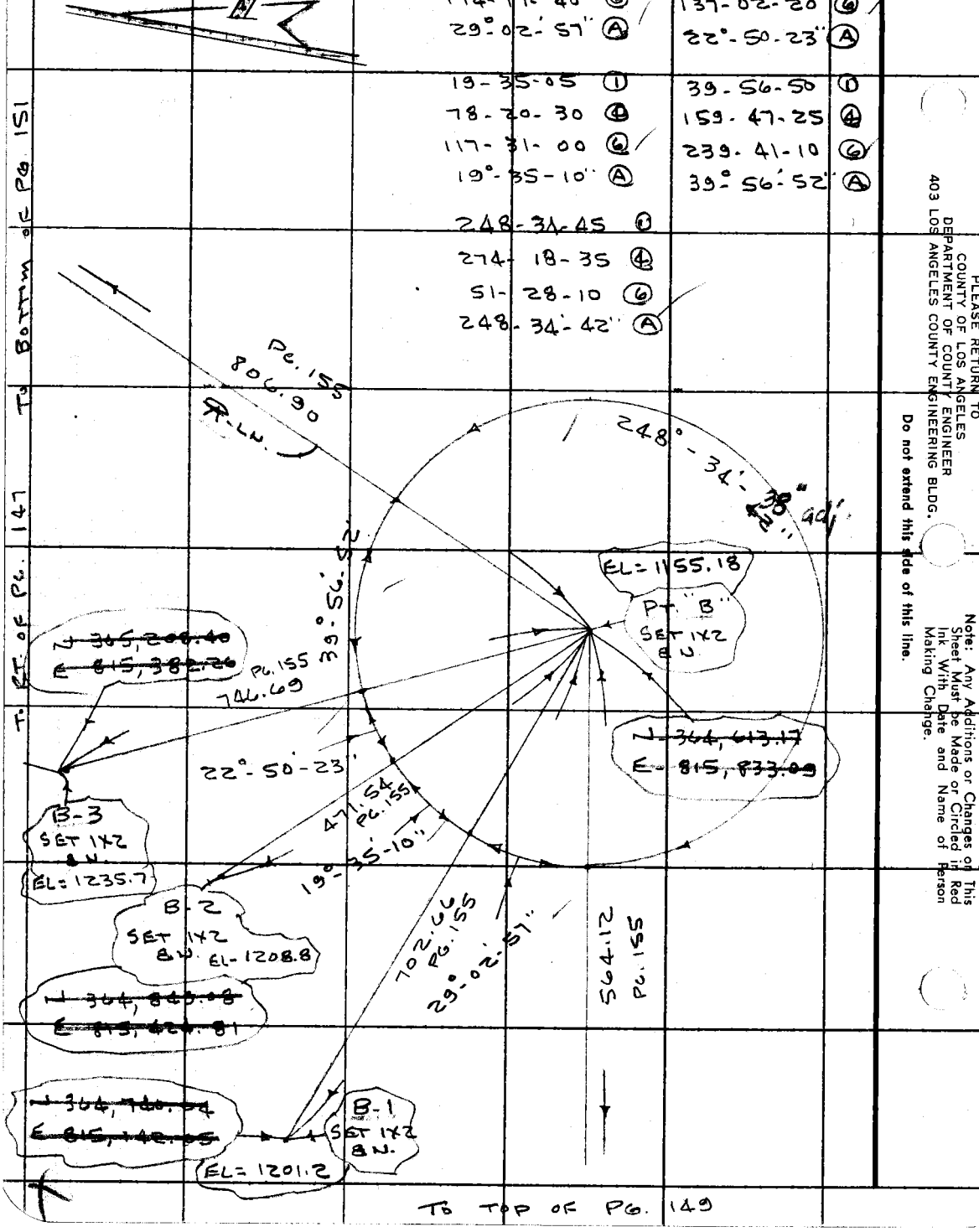


F. B. 3857 PG. 150

29°-02'-50" ①	22-50-20 ①
116-11-50 ④	91-21-25 ④
174-17-40 ⑥	137-02-20 ⑥
29°-02'-57" Ⓐ	22°-50-23" Ⓐ

19-35-05 ①	39-56-50 ①
78-20-30 ④	159-47-25 ④
117-31-00 ⑥	239-41-10 ⑥
19°-35-10" Ⓐ	39°-56'-52" Ⓐ

248-34-45 ①
274-18-35 ④
51-28-10 ⑥
248-34'-42" Ⓐ



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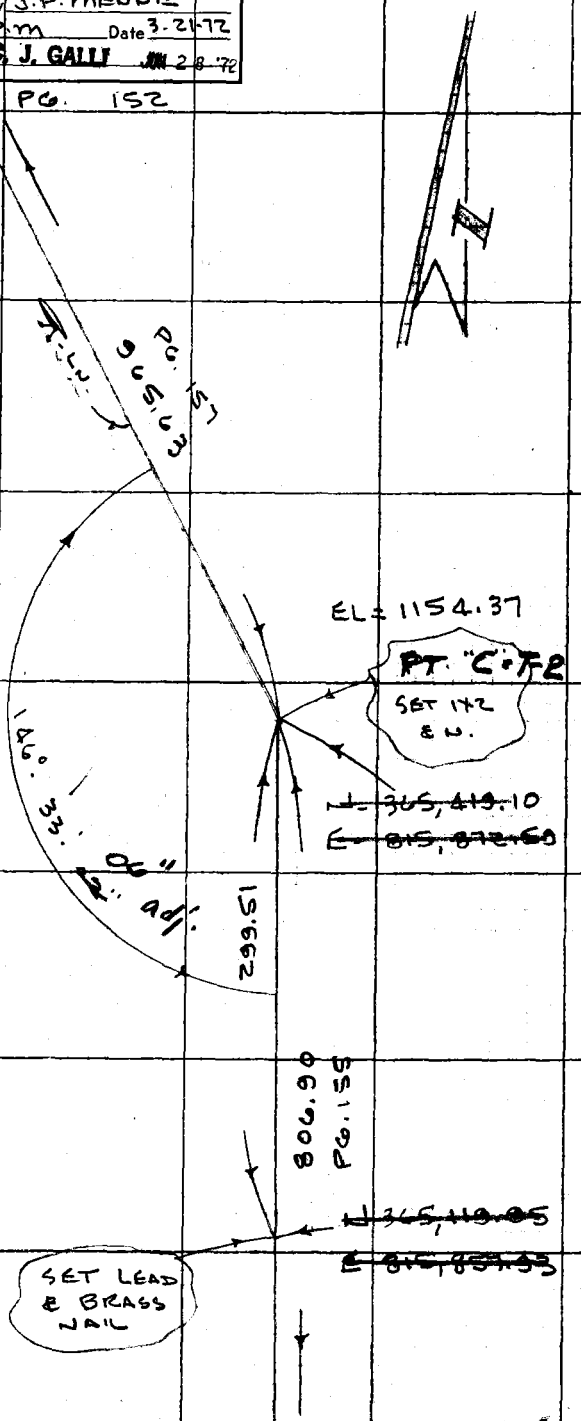
CASTAIC

Notes Ck'd by R. HILARIO	Survey of RESERVOIR AFTERBAY
Map No.	JN 0940.05 Tape 133 Std 84 °F
Office Work	Surveyed by J.P. MENNE
Checked	Notes J.P.M Date 3-21-72
Date	Indexed C. J. GALLI JUN 28 '72

F. B. 3857 PG. 151

TO BOTTOM OF PG. 152



146°-33'-05" (1)
226-12-00 (4)
159-18-15 (6)
146°-33'-02" (A)

T = 84°

300.27 @ 4°-04' = 299.51

TO LEFT TOP OF PG. 150

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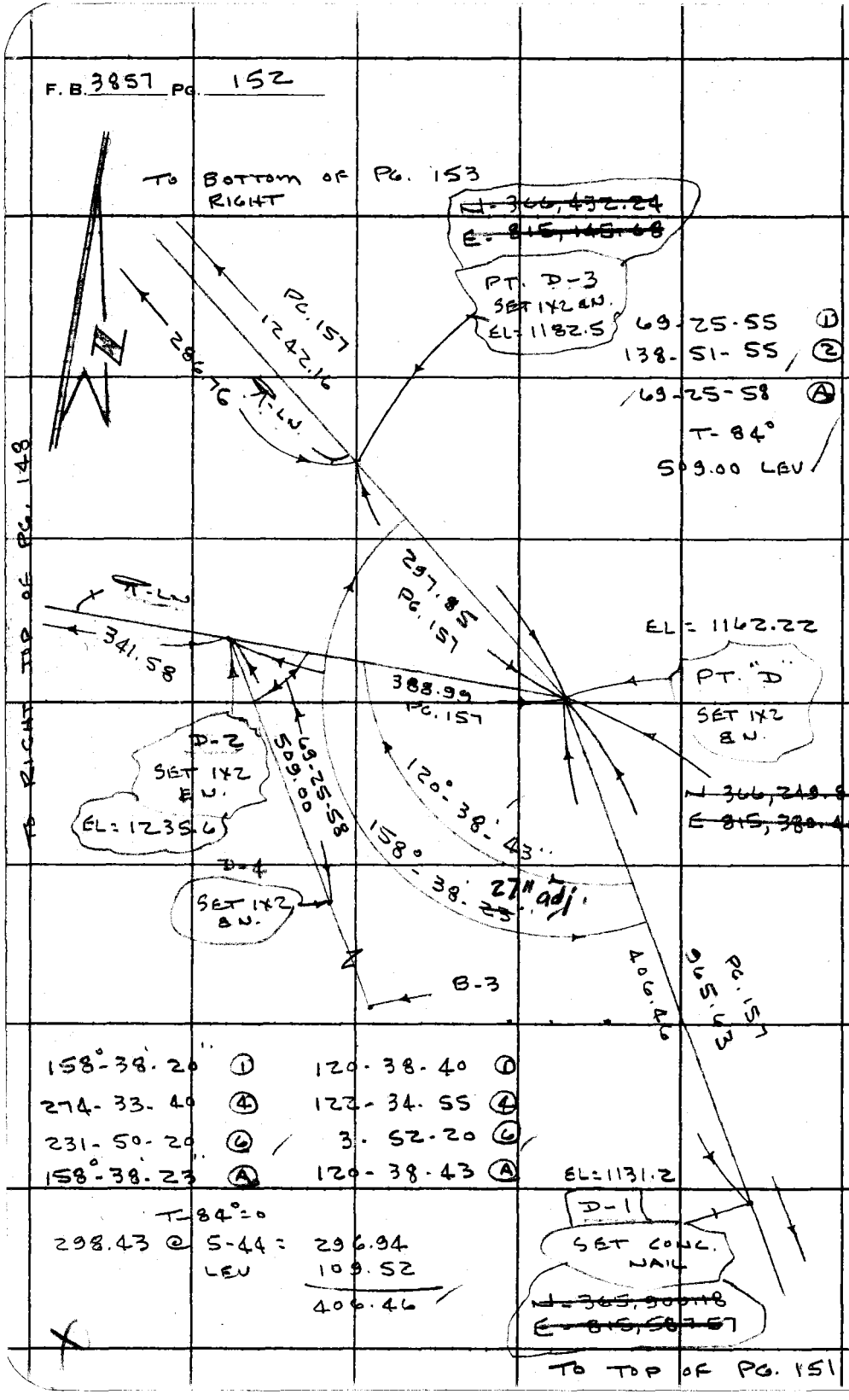
76F309S CEN310 3-69

F. B. 3857 PG. 152



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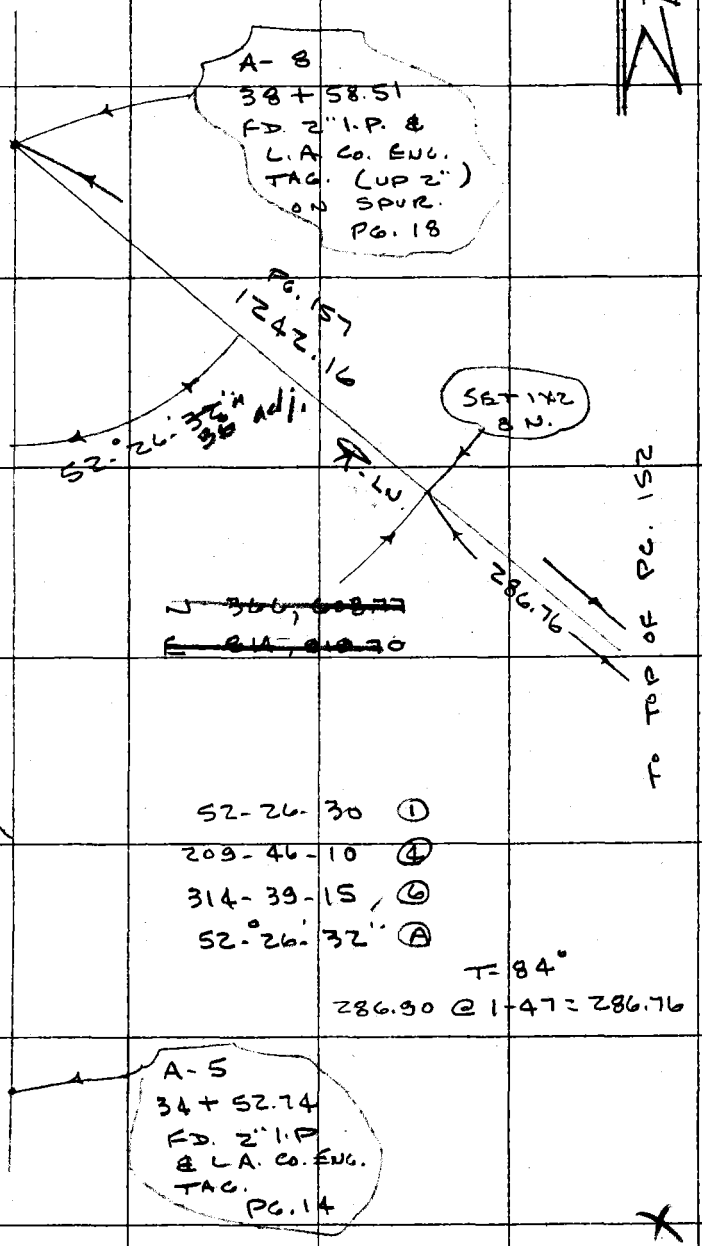
Notes Ck'd by R. HILARIO	Survey of RESERVOIR AFTERBAY
Map No.	JN 9940.05 Tape 133 Std 84 °F
Office Work	Surveyed by J.P. MENNE
Checked	Notes J.P.M Date 3-2-72
Date	Indexed C. J. GALLI JAN 28 '72

F. B. 3857 PG. 153



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16F309S CE#310 3-69

76F309S CE#310 3-68

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HP #1 @ PT. B T=56° H.G.=29² PUC=-02' H.I.=4.93 ELEV=1155.18

SIGHT STATION	REF. H.I.	STATION ELEV.	SLOPE DISTANCE	VERTICAL ANGLE	HORIZONTAL DISTANCE
PT. A	4.65	1159.13	0564.13	D=89°38'57" R=270°21'04" M±=89°38'56" C=0.99998122 S=0.00612801	564.12 + (3.46)
PT. B-2	5.48	1208.8 Calc.	0474.65	D=83°26'35" R=276°33'26" M=83°26'35" C=9934588 6 S=.11419064	471.54 + (54.20)
PT. B-1	5.48	1201.2 Calc	0704.20	D=86°12'35" R=273°47'25" M=86°12'35" C=99751270 S=.06610459	702.66 + (46.55)
PT B-3	5.30	1235.7 Calc	0751.06	D=33°48'54" R=276°11'07" M=83°48'54" C=99417920 S=.10773908	746.69 + (80.92)
PT C	5.30	1154.37	0806.90	D=90°02'11" R=269°57'50" M=90°02'11" C=99999980 S=.00063511	806.90 - 0.51

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

Survey of RESERVOIR AFTERBAY
JN 9940.05 Tape Std °F
Surveyed by A.C. GUIZADO
Notes R. MASSEY Date 3-22-72
Indexed C. J. GALLI JUN 28 72

CASTAIC

F. B. 3851 PG. 155

76F3095 CE#310 3-68

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Do not extend this side of this line.

H.P. #1 @ PT. D T=62° H.G.=29° PUC=+10 H.I=5.11 ELEV=1162.22

SIGHT STATION	REF H.I.	STATION ELEV.	SLOPE DISTANCE	VERTICAL ANGLE	HORIZONTAL DISTANCE
PT. C	5.30	1154.37	0965.66	D=90°27'28 R=269°32'32 M=90°27'28" C=99996808 S=00798964	965.63 - 17.72
PT D-1	5.56	1131.2 Calc	0407.57	D=94°18'27" R=265°41'33" M=94°18'27" C=99717531 S=07510926	406.42 - (30.61)
PT D-2	5.00	1235.6 Calc	0395.83	D=79°19'51" R=280°40'09" M=79°19'51" C=98271257 S=18513780	388.99 + (73.28)
PT CA-5	4.80	1270.3 Calc.	1246.82	D=85°02'33" R=274°57'28" M=85°02'33" C=99625907 S=.08641678	1242.16 + (107.75)
PT. D-3	5.28	1182.5 Calc.	0298.55	D=86°03'58" R=273°56'02 M=86°03'58" C=99764388 S=06860538	297.85 + (20.48)

CASTAIC

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

Survey of RESERVOIR AFTERBAY
JN 9940.05 Tape Std °F
Surveyed by A.C. GUIZADO
Notes MASSEY Date 3-22-72
Indexed C. J. GALLI 2 8 72

F. B. 3857 PG. 157

F. B. 3857 PG. 159

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 9940.05 Division No. ____ Survey of CASTAIC RESERVOIR AFTERBAY

X-Sec. No. ____ Notes Chk'd. RLB Date 6-29-72 Checked ____ Date ____ Survey by JT Notes RJA Date MAR '72

Map No. ____ Indexed C. J. GALLI Date JUN 28 '72

CASTAIC RESER.
AFTERBAY

BENCH LEVEL CONTROL
FOR PTS. USED IN
CONJUNCTION WITH
HEWLETT PACKARD
FOR P.T. SHEETS

J.N. 9940.05
MAR. 1972

STATION	B. S.	H. I.	F. S.	ELEV.
		REF: F.B. 3857		

PARTY
J. TERRANOVA
R. ALMANZAH
L. KEISNER
J. ZBYSENSKI

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76-L-298 CE 307 5-66

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F. B. 3857 Pg. 160 | Job No. 2940.05 | Division No. | Notes Red | Plotted | Profile No.
Survey of CASTAIC RESERVOIR AFTERBAY | Date | Date | X-Sec. No.
Survey by TERRALOVA Notes ALMANZAN | Notes Chk'd. RB | Checked
Indexed C. J. GALLI | Date | Date 6-29-76 | Date

STATION	B. S.	H. I.	F. S.	ELEV.	
Fd BM 208-73				1164 34	BM 208-73 - EL = 1164.341 AT NW COR OLD RIDGE RTE & LAKE HUGES RD UNDER EDISON TOWER # W 204/5, 37.5 ± W ℄. PER FB 3857-52
	5 57	1169 91			
			4 34	1165 57	
	5 35	1170 92			
Fd CA-1			5 41	1165 51	CA-1 — PROP COR EL = 1165.511 925 ± N'LY INT NEW LAKE HUGHES RD & OLD RIDGE RTE 50.0 E ℄ 1" IP WOOD PLUG & NL DN 12" PER FB 3857-52
	3 38	1168 89			
			6 60	1162 29	
	2 68	1164 97			
"A"			5 84	1159 13	"A" — 2" I.P. F.B. 3857-149
	1 51	1160 64			
			8 21	1152 43	
	1 93	1154 36			
			8 93	1145 43	
	10 14	1155 57			
"B"			0 39	1155 18	"B" (1X2) N 364 613.17 E 815 833.09
	0 52	1155 70			
			2 87	1152 83	
	3 68	1156 51			
"C"			2 14	1154 37	"C" (1X2) N 365 419.10 E 815 872.59
	7 12	1161 49			

4

76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.		
		1161 49				
			0 57	1160 92		
	1 34	1162 26				
			10 64	1151 62		
	1 01	1152 63				
			11 78	1140 85		
	3 19	1144 04				
SET TBM			7 77	1136 27	/ SM BT SPK IN CONC, EDGE OF SHORELINE	
	9 99	1146 26				
			1 76	1144 50		
	9 34	1153 84				
			2 12	1151 72		
	11 04	1162 76				
"D"			0 54	1162 22	/ "D" (1X2)	N 366 249.88 E 815 380.40
	12 10	1174 32				
			3 62	1170 70		
	3 57	1174 27				
			5 62	1168 65		
	4 45	1173 10				
SET TBM			0 81	1172 29	/ SEE NEXT PAGE FOR DISC.	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 9940.05 Division No. ____
X-Sec. No. ____ Date ____ Date ____ Survey of CASSIAIC AFTERBAY (RES.)
Notes Chk'd. RGB Checked ____ Survey by JT Notes RJA Date MAR '72
Date 6-27-72 Date ____ Map No. ____ Indexed C. J. GALLI Date JUL 28 '72

F. B. 3857 Pg. 161

76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.		
SET TBM				1172 29	LG BT SPK IN TRUNK OF LARGE TWIN OAK TREE; WEST BANK AFTERBAY	
	0 13	1172 42				
			3 90	1168 52		
	12 21	1180 73				
			1 54	1179 19		
	11 50	1190 69				
			2 70	1187 99		
	9 46	1197 45				
			6 60	1190 85		
	7 08	1197 93				
Fd. CA-8			4 77	1193 16	CA-8 PROP COR PER FB 3857-60 ~ EL. = 1193.14	2" I.P. & CE TAG

F. B. 3857 PG. 162

Job No. 994005 Division No. ____ Notes Red ____ Plotted ____ Profile ____

Survey of CASTAIC RESERVOIR AFTERBAY Date ____ Date ____ No. ____

Survey by TERRANOVA Notes ALMANZAN Notes Chk'd. 260 Checked ____ X-Sec. ____

Indexed C. J. GALLI Date ____ Date 6-27-76 Date ____ No. ____

Profile	Notes Red	Plotted	Job No. 0056.12	Division No.	F. B. 3857	Pg. 163	
No.	Date	Date	Survey of CASTAIC AFTERBAY				
X-Sec.	Notes Chk'd. RB	Checked	Survey by J. TERRANOVA	Notes J.Z.	Date 6-72		
No.	Date 6-29-72	Date	Map No.	Indexed C. J. GALLI	Date JUN 28 '72		

CASTAIC RECREATION PARK

BENCH LEVEL CONTROL

FOR P.T. SHT J51-5

J.N. 0056.12

JUNE 1972

STATION	B. S.	H. I.	F. S.	ELEV.
		REF FB-3857		

PARTY
J. TERRANOVA
R. ALMANZAN
L. KEISNER
J. ZBYSENSKI

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76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.		
FD CA-31				1366 68	CA-31 ~ PROPERTY COR, ANGLE PT, ELEV=1366.679 SEC. COR, SEC 19,24,25,30 R17W, R16W, COUNTY SURVEYORS MON, DN 18" FB 3857-22,80	
	8 88	1375 56				
FD CA-30			4 04	1371 52	CA-30 ~ ELEV = 1371.510 WITNESS COR TO SEC COR, SEC 19,24,25,30, R17W, R16W, 170.5 FT NLY OF SEC COR., UP 4" AT EDGE OF BANK SLOPING WESTERLY TO LAKE HUGHES CANYON RD. A STD COUNTY SURVEYORS BRASS CAP MON FB 3857-80	
	5 18	1376 70				
TP			4 78	1371 92		
	6 23	1378 15				
1X2			7 74	1370 41		
	7 81	1378 22				
TP			7 65	1370 57		
	6 09	1376 66				
TP			5 66	1371 00		
	0 62	1371 62				
FD CA-29			6 09	1365 53	CA-29 ~ PROPERTY COR, ANGLE PT, ELEV=1365.538 ELY PROPERTY LINE OF AFTERBAY S. ELY PROP COR OF AFTERBAY, WEST EDGE OF DIRT ROAD, A DEPT OF WATER RESOURCES MON W/ BRASS CAP STAMPED CR-4, FLUSH F.B. 3857-22-80	

F. B. 3857 PG. 164

Job No. 005612 Division No. ____ Notes Red ____ Plotted ____ Profile ____

Survey of CASTAIC AFTERBAY Date ____ Date ____ No. ____

Survey by J.T. Notes J.Z. Notes Chk'd. RGB Checked ____ X-Sec. ____

Indexed C. J. GALLI Date 6-72 Date 6-21-72 Date ____ No. ____

Hi Hilario

CASTAIC AFTERBAY

Notes Ck'd by R. HILARIO	Survey of RECREATION PARK
Map No. SEE YOU XMAS	JN 005612 Tape — Std — °F
Office Work	Surveyed by TERRANOVA
Checked	Notes ALMANZAN Date JUN '72
Date	Indexed C. J. GALLI JUN 28 '72

F. B. 3857 PG. 165

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CASTAIC RESERVOIR AFTERBAY RECREATION PARK

TOPOGRAPHIC CONTROL

PT SHT J-51-5

J.N. 005612

JUNE 1972

REFERENCE

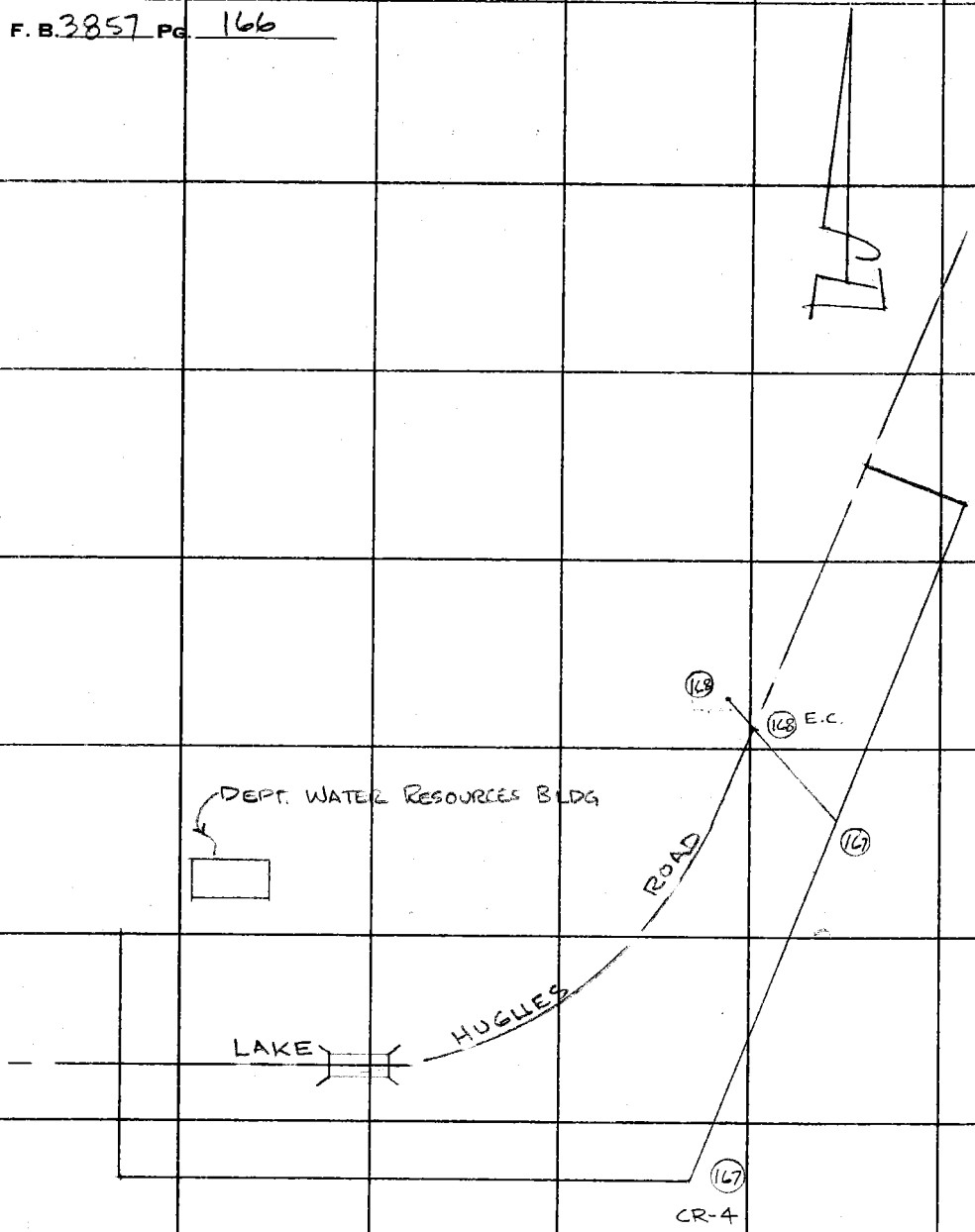
FB. 3857

PARTY

TERRANOVA
ALMANZAN
KEISNER
ZBYSENSKI

16F309S CE#310 3-68

F. B. 3857 PG. 166



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CASTAIC AFTERBAY

Notes Ck'd by R. HILARIO	Survey of RECREATION PARK
Map No.	JN 0056.12 Tape — Std. 84 °F
Office Work	Surveyed by TERRANOVA
Checked	Notes RJA Date JUN '72
Date	Indexed C. J. GALLI JUN 28 '72

F. B. 3857 PG. 167

WS 77,4-5

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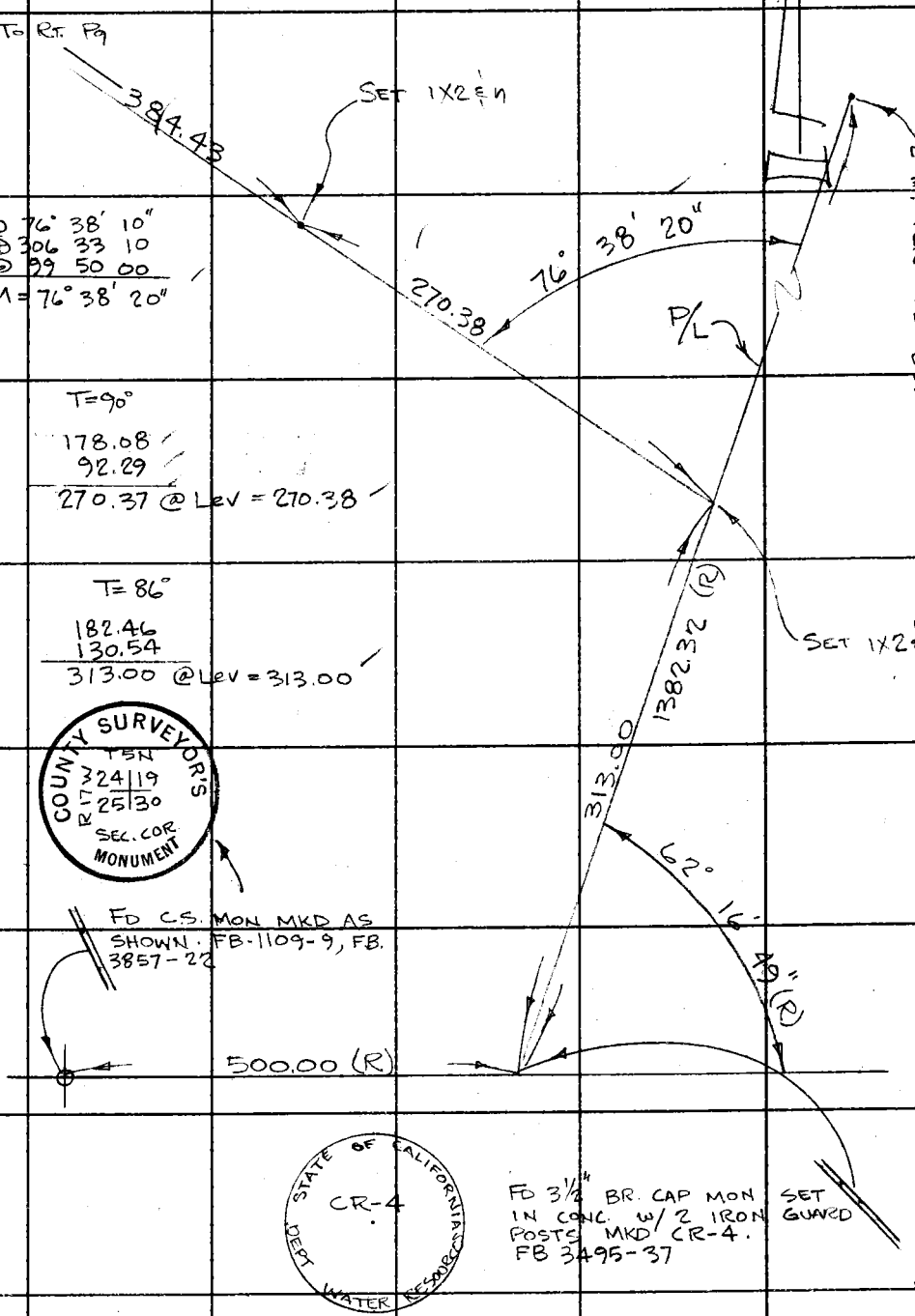
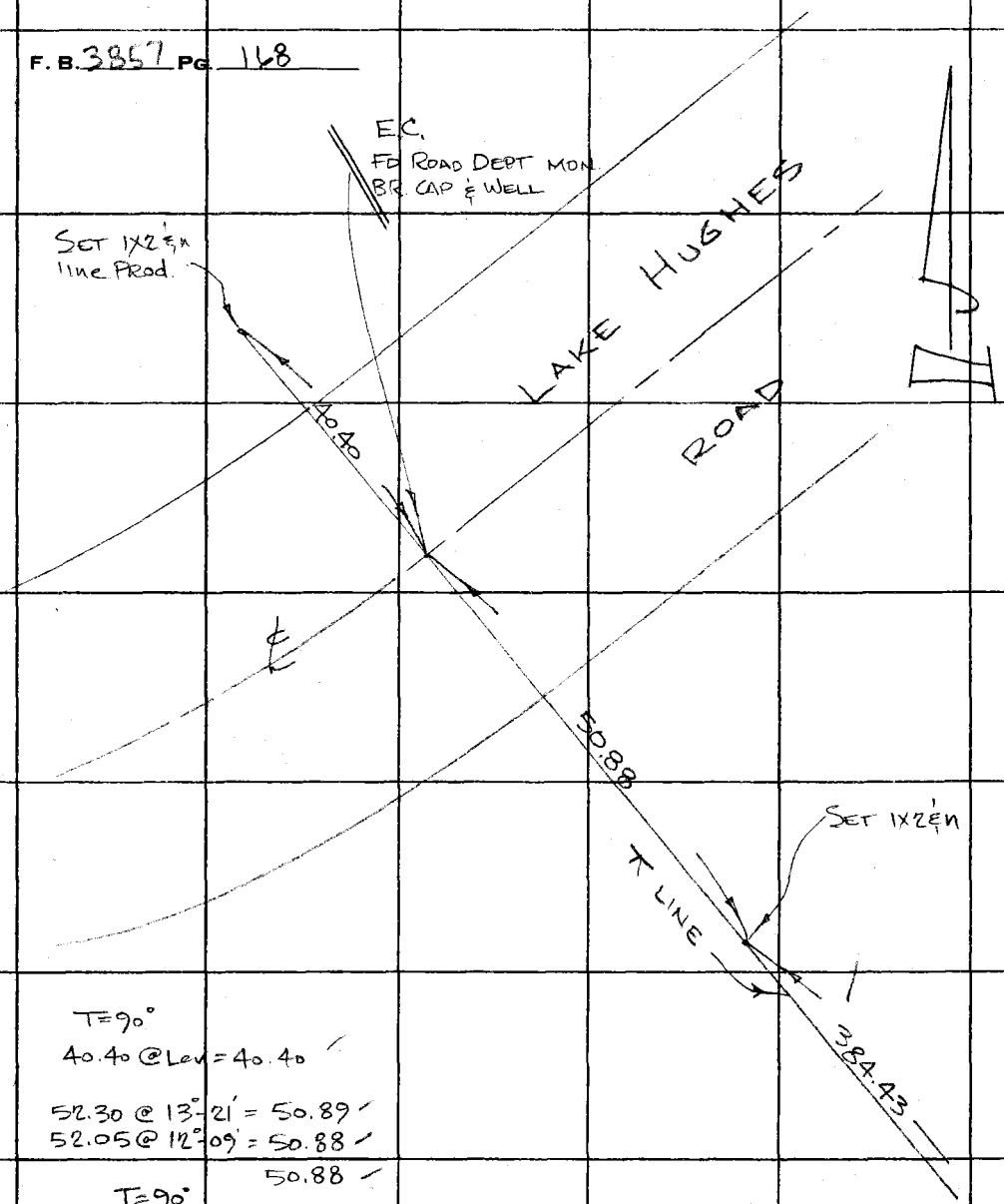


16F309S CE#310 3-68

F. B. 3857 PG. 168



T=90°
40.40 @ Lev = 40.40

52.30 @ 13°-21' = 50.89
52.05 @ 12°-09' = 50.88
50.88

T=90°
56.38 @ 22°-52' = 51.95
55.93 @ 21°-47' = 51.94
51.94

278.80 @ 22°-36' = 257.40
~~278.27 @ 22°-21' = 257.38~~
257.39

79.69 @ 19°-32' = 75.10
79.95 @ 20°-05' = 75.09
75.10

51.94
257.39
75.10
384.43

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Notes Ck'd by	Survey of CASTAIC LAKE REG. PARK
Map No.	JN 005612 Tape — Std — °F
Office Work	Surveyed by TERRANOVA, J
Checked	Notes ALMANZAN Date APR 73
Date	Indexed G. D. BAILEY APR 23 1973

F. B. 3857 PG. 169

CASTAIC LAKE

REGIONAL PARK

DETAIL SURVEY OF ALL CULVERTS CROSSING OLD RIDGE ROUTE BETWEEN STA 55+35 & STA 75+38

J.N. 005612

APRIL 1973

REFERENCE
FB 3857

Party
TERRANOVA
ALMANZAN
KEISNER
ZOYSENSKI

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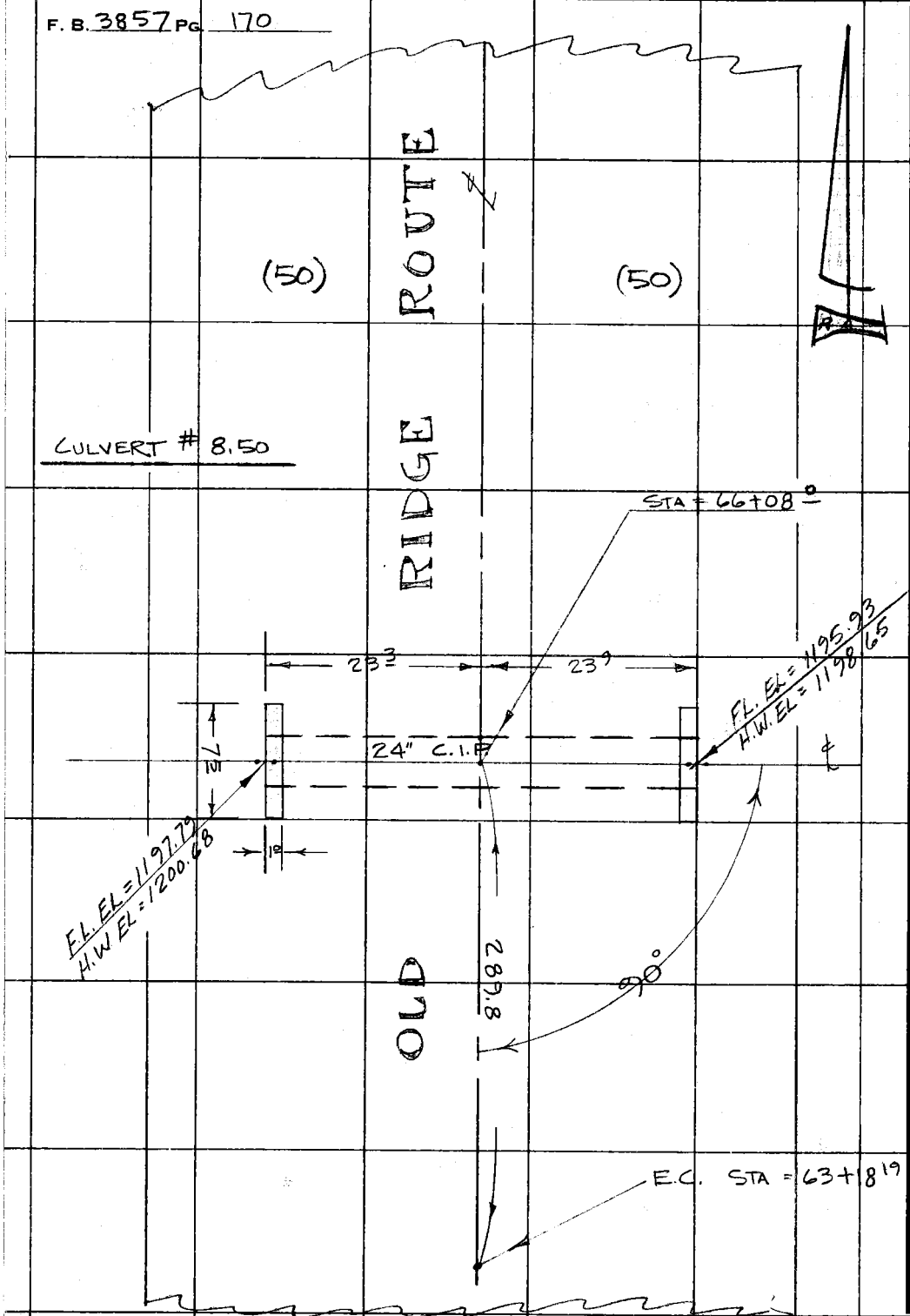
6F309S CE#310 3-69

F. B. 3857 PG. 170



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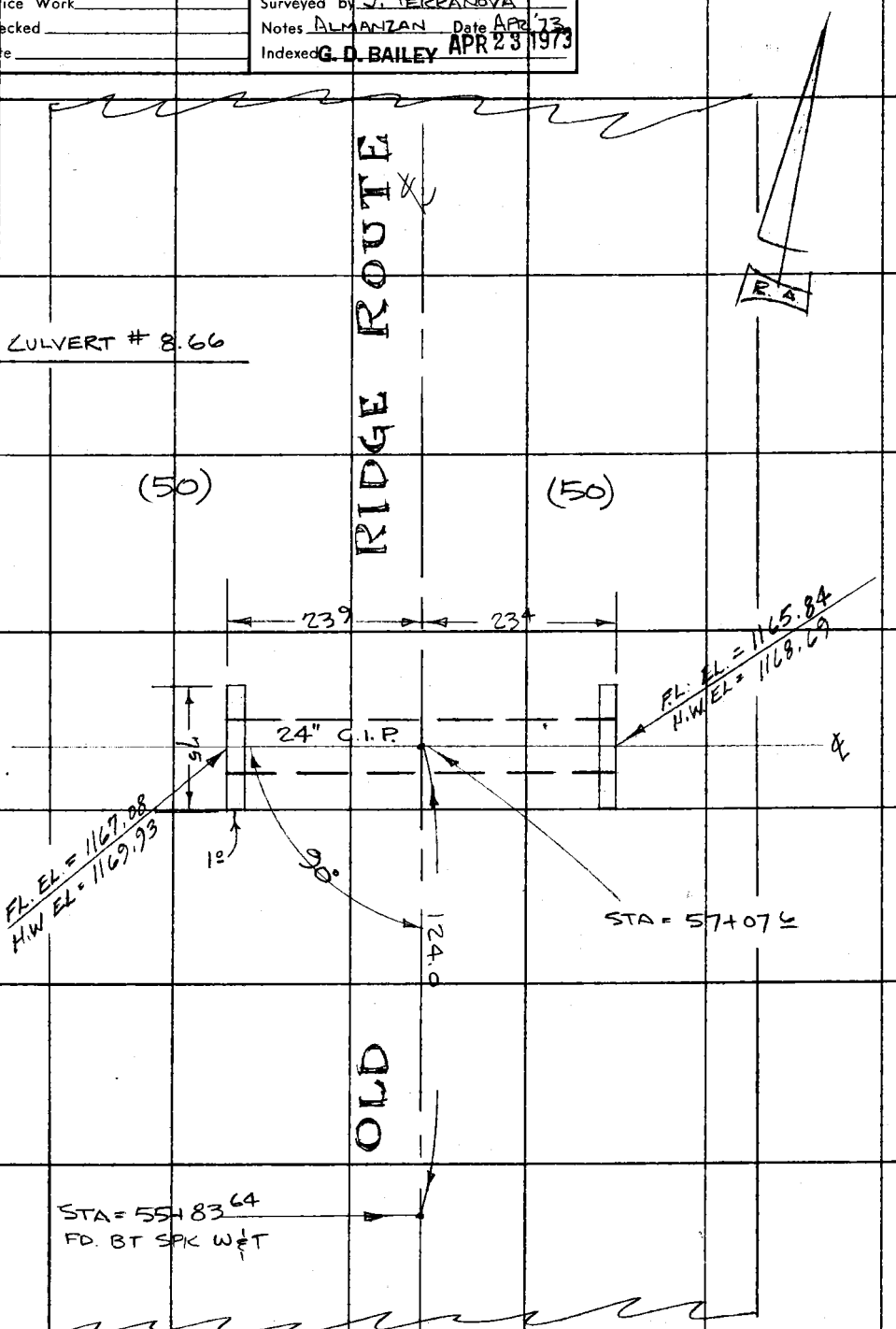
Notes Ck'd by	Survey of CASTAIC LAKE REG. PARK
Map No.	JN 0056.12 Tape — Std — °F
Office Work	Surveyed by J. TERRANOVA
Checked	Notes ALMANZAN Date APR '73
Date	Indexed G. D. BAILEY APR 23 1973

F. B. 3857 PG. 171



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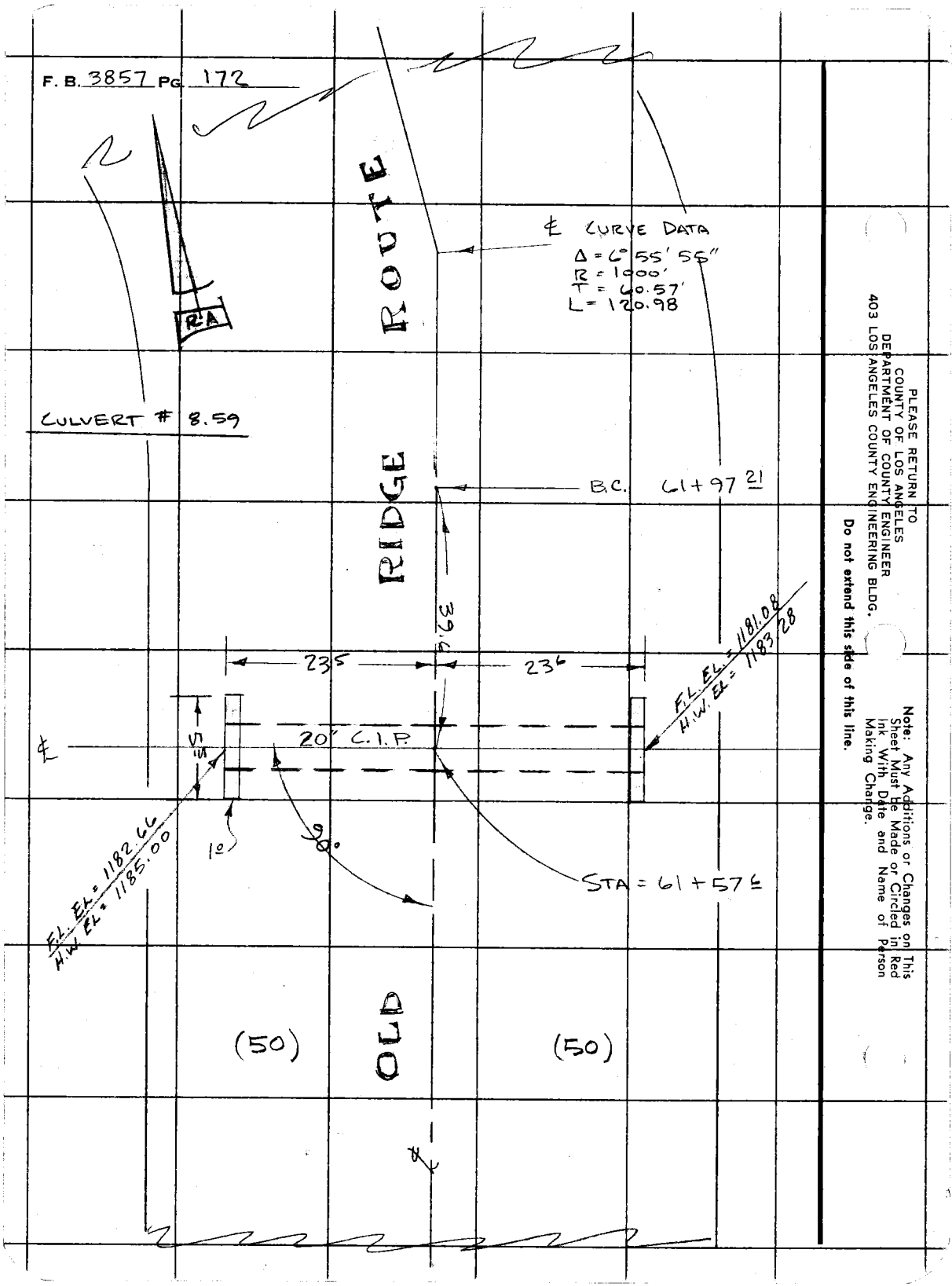
76F309S CE#310 3-69

F. B. 3857 PG. 172



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Notes Ck'd by	Survey of CASTAIC LAKE REG PARK
Map No.	JN ____ Tape — Std — °F
Office Work	Surveyed by TERRANOVA
Checked	Notes ALMANZAN Date APR '73
Date	Indexed G. D. BAILEY APR 23 1973

F. B. 3857 PG. 173

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CASTAIC LAKE REGIONAL PARK

SURVEY LOCATION AND DEPTH TO TOP OF TWO (2) ARCO HIGH PRESSURE PIPES (10" AND 14")

J.N. 0056.12

APRIL 1973

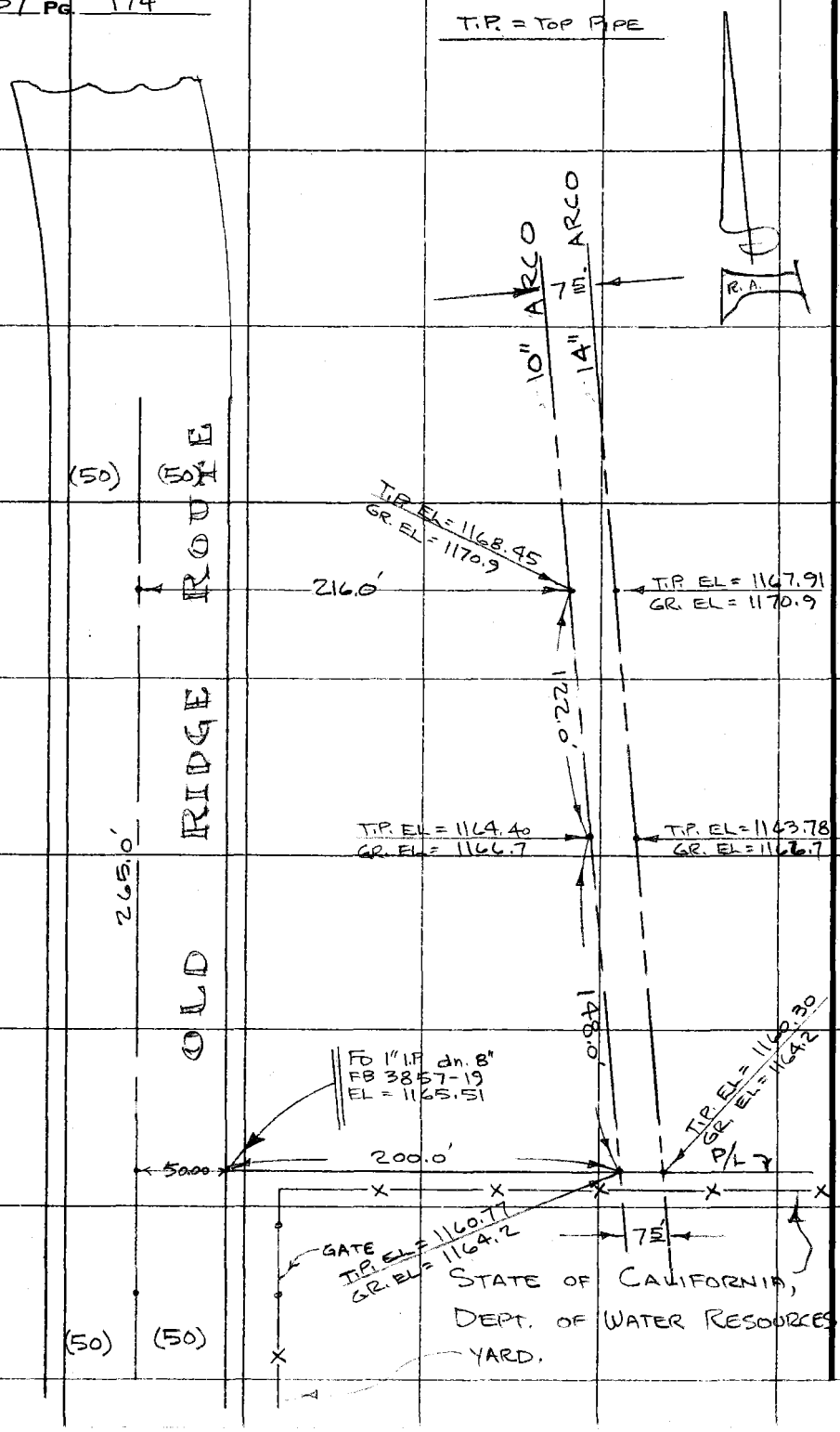
REFERENCE
FB 3857

PARTY
J. TERRANOVA
R. ALMANZAN
J. ZBYSENSKI
L. KEISNER

6F309S CE#310 3-68

F. B. 3857 PG. 174

T.P. = TOP PIPE



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Notes Ck'd by	Survey of Access Rd Castaic Area	F. B. 3857 PG. 177
Map No.	JN 0056.12 Tape 231 Std 84 °F	
Office Work	Surveyed by W. J. Voge	
Checked	Notes Voge Date 5/9/73	
Date	Indexed G. D. BAILEY MAY 10 1973	

ACCESS ROAD – CASTAIC RECREATION AREA

J.N. 0056.12

PARTY:

W. Voge
W. Albright
C. Hill
J. Sidwell

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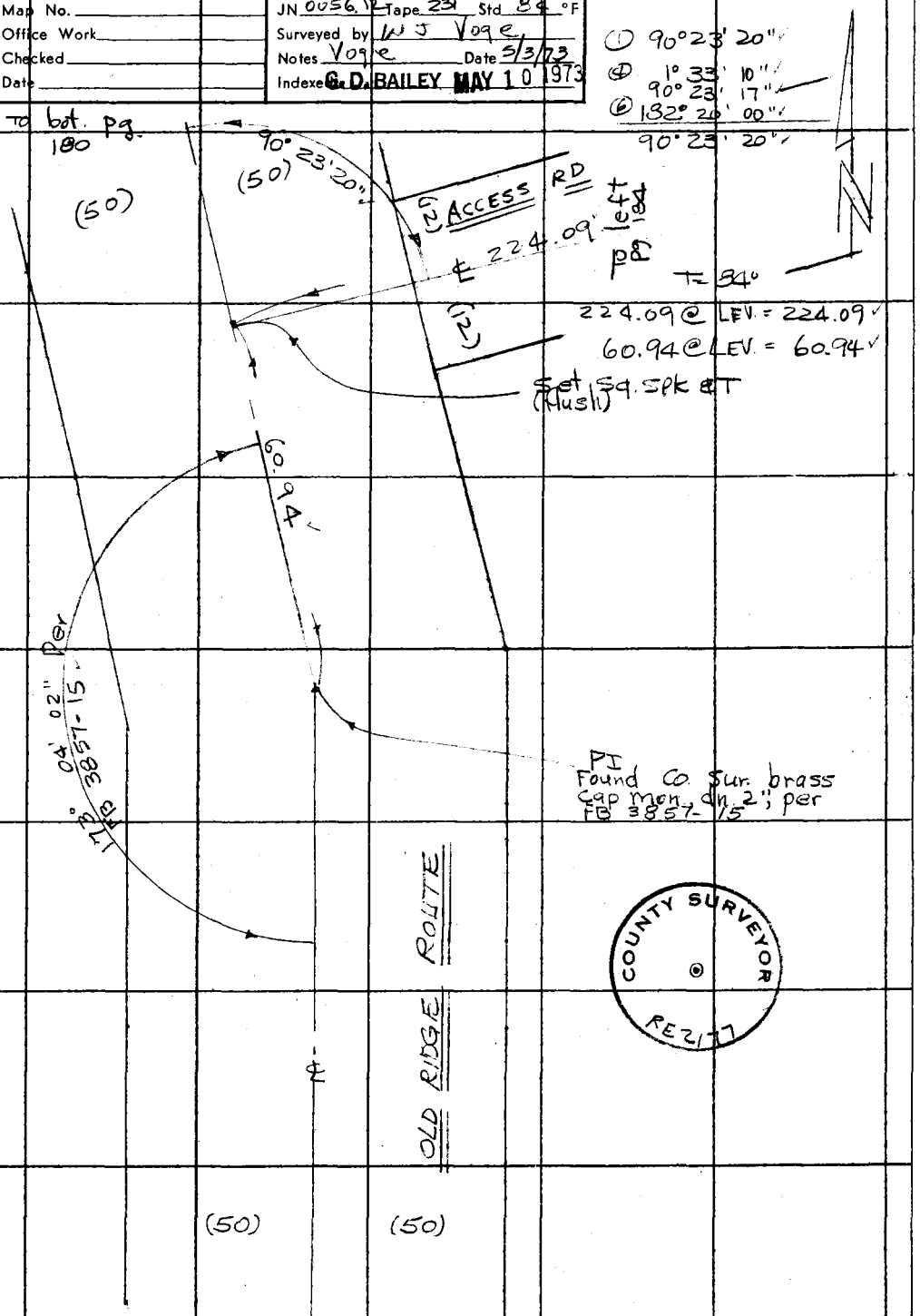
76F309S CE#310 3-69

W.S.H.

Notes Ck'd by	Survey of Access Rd Castaic Rec Area
Map No.	JN 0056.12 Tape 231 Std 84 °F
Office Work	Surveyed by W J Voge
Checked	Notes Voge Date 5/3/73
Date	Indexed G. D. BAILEY MAY 10 1973

F. B. 3857 PG. 179



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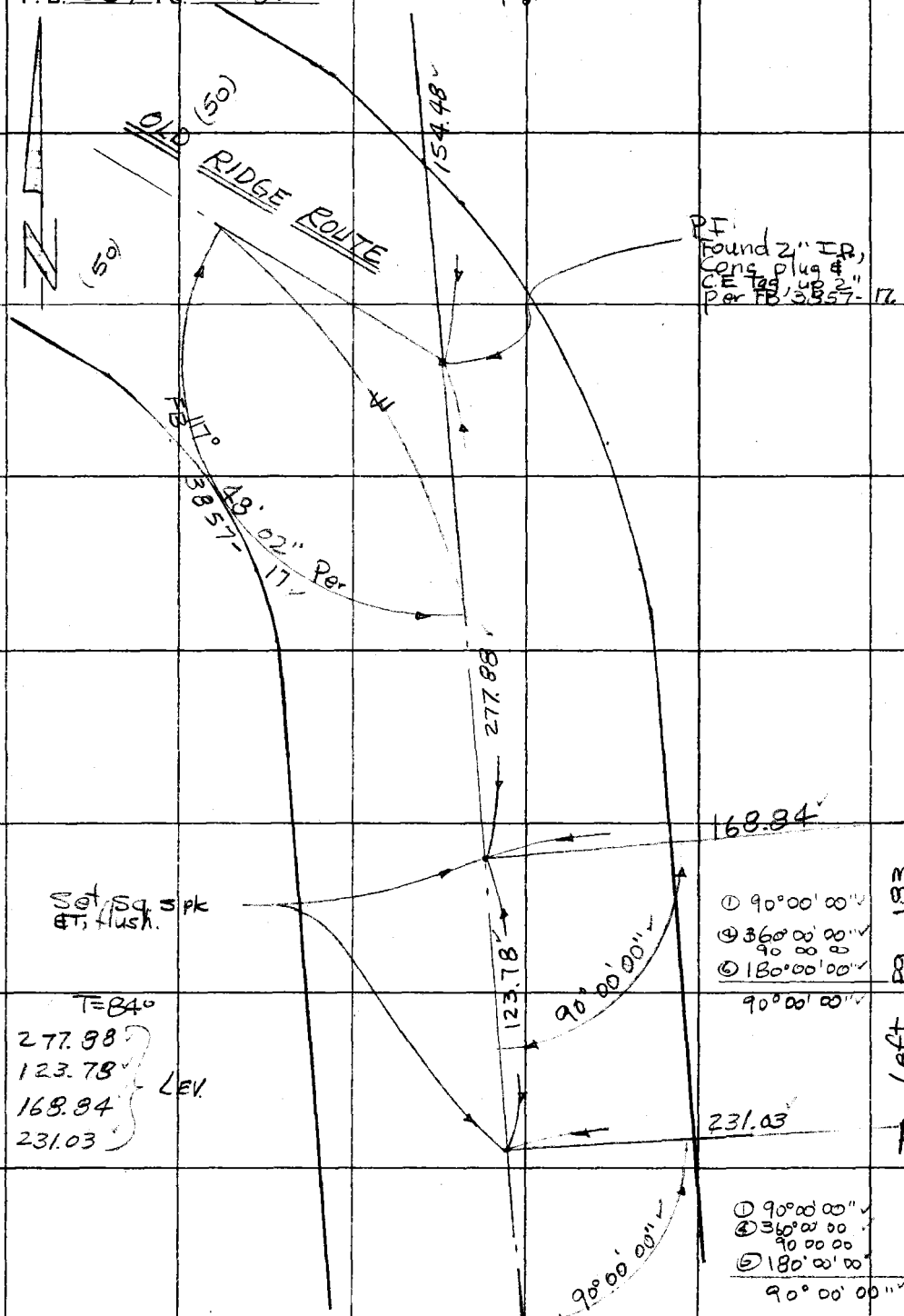
76F309S CE#310 3-69

F. B. 3857 Pg. 180

to bot. pg. 181



To top Pg 179

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W.S.H.

Notes Ck'd by	Survey of Access Rd Castaic Res Area
Map No.	JN 0056.12 Tape 231 Std 84 °F
Office Work	Surveyed by W J Voge
Checked	Notes Voge Date 5/4/73
Date	Indexed G. D. BAILEY MAY 10 1973

F. B. 3857 PG. 181

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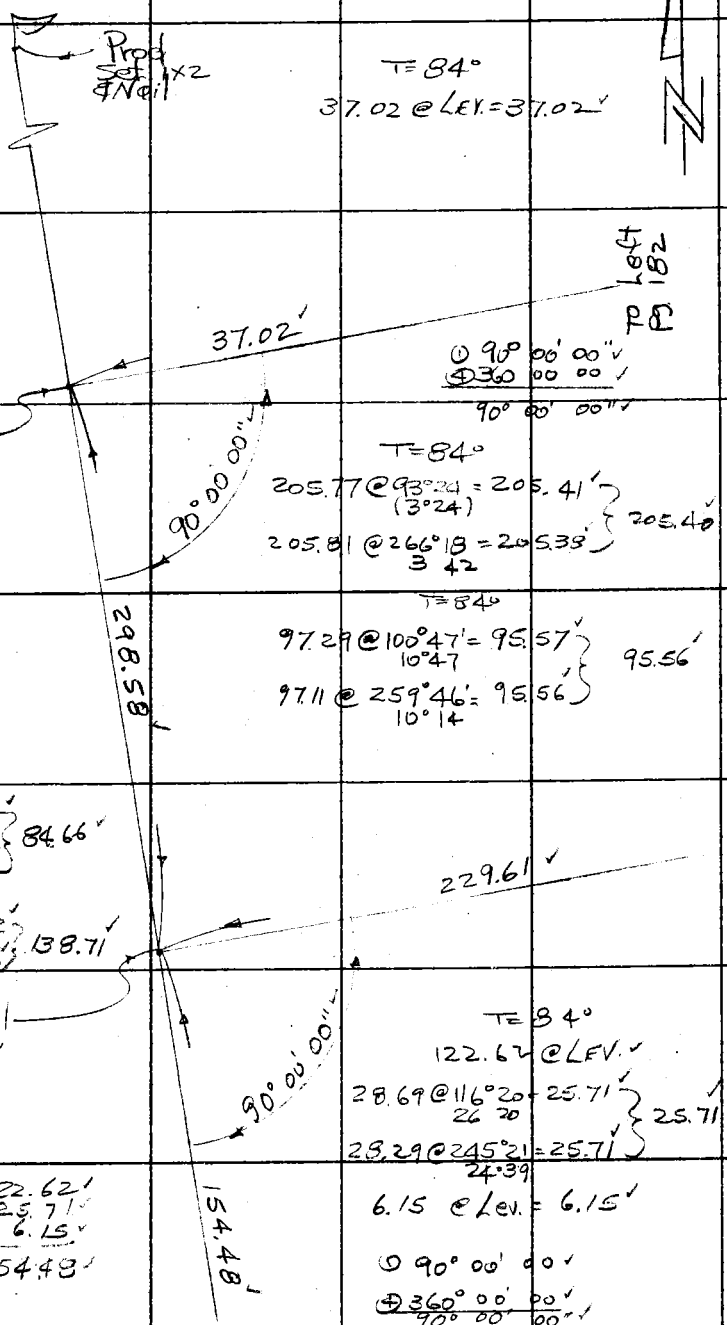
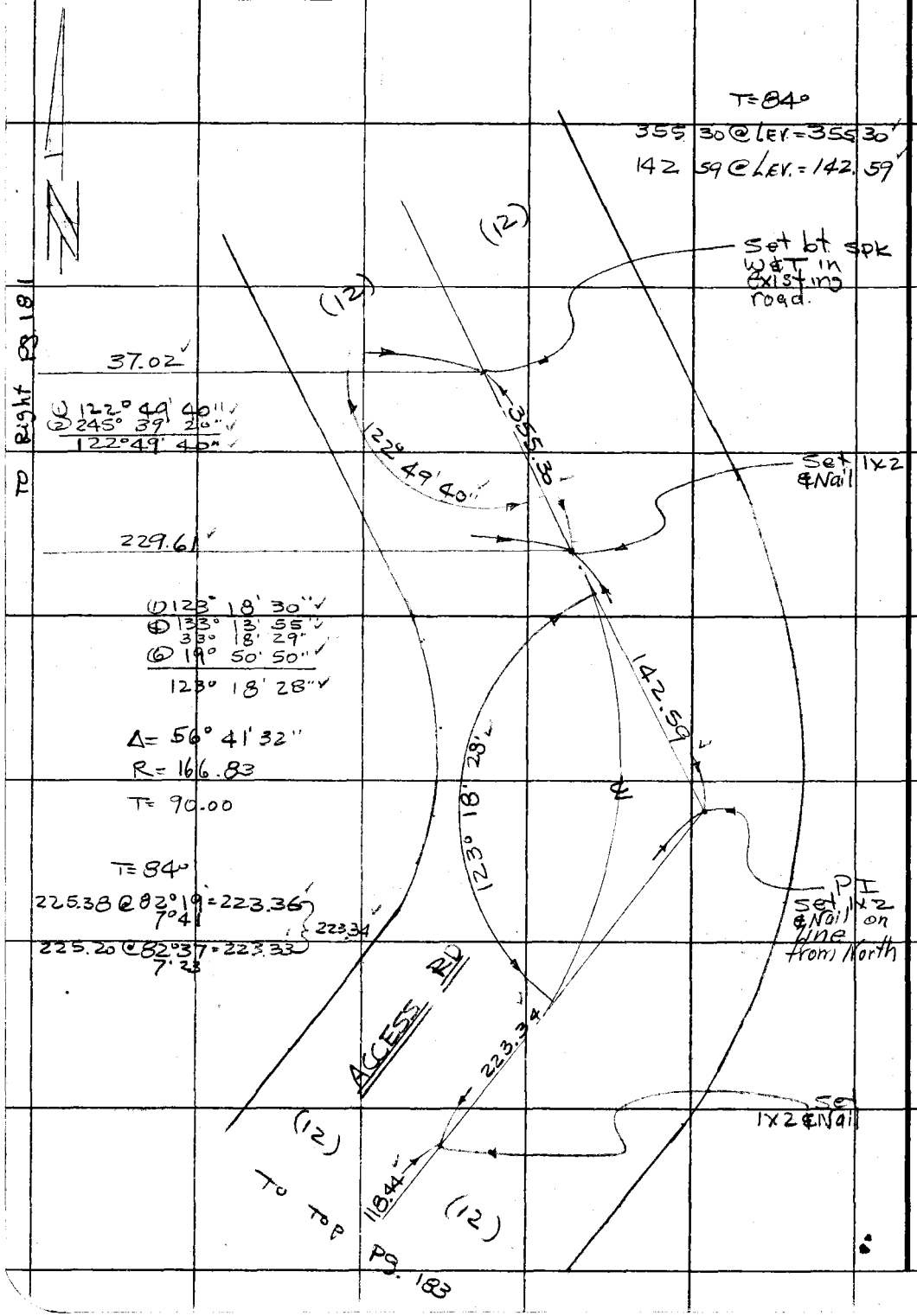


TO TOP PG 180

76F309S CE#310 3-68

F. B. 3857 Pg. 182



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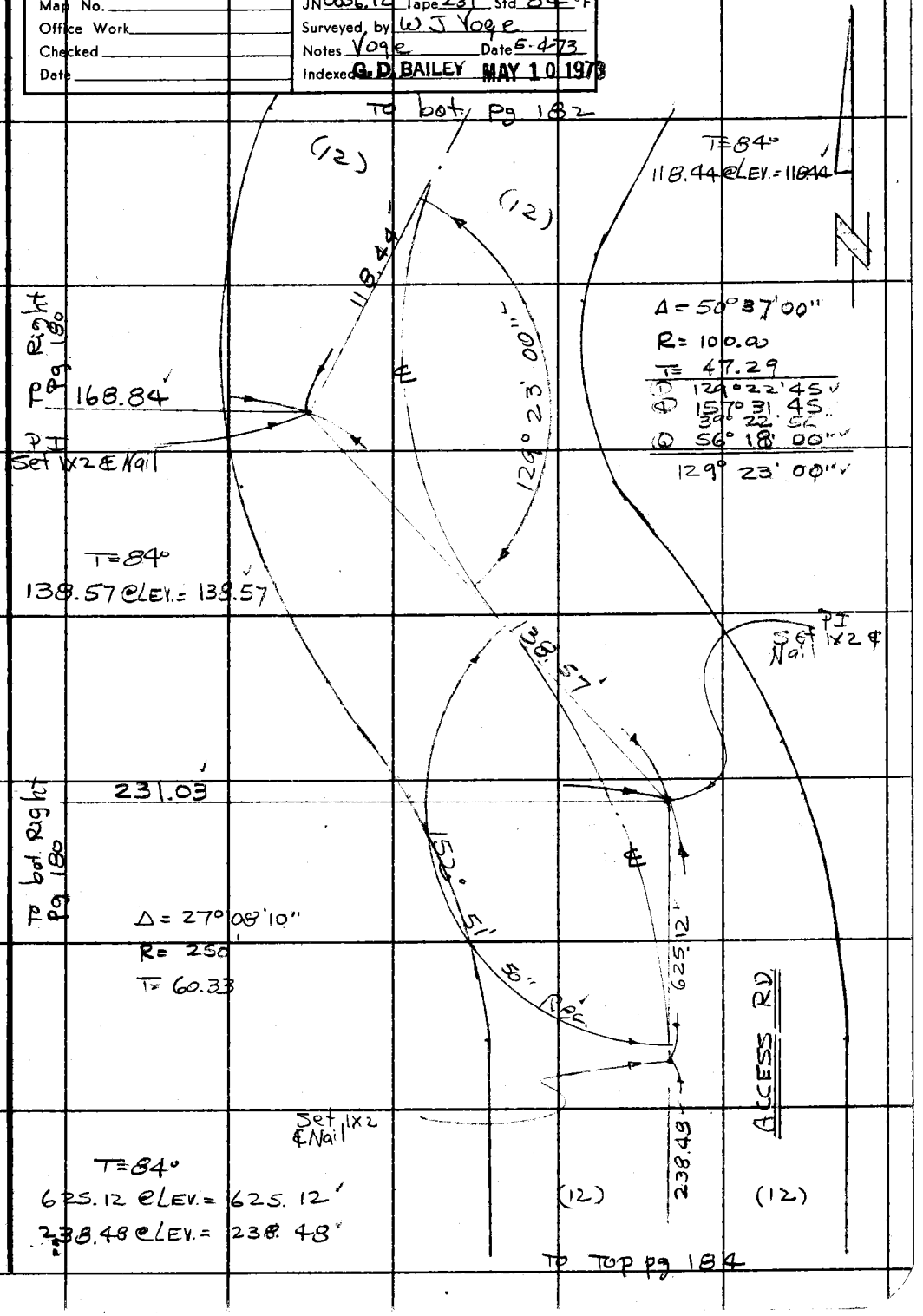
TO Right of Way

4.5.4

Notes Ck'd by	Survey of Access Rd (Castaic Res Area) F. B. 3857 PG. 183
Map No.	JN 0056.12 Tape 231 Std 84 °F
Office Work	Surveyed by W J Voge
Checked	Notes Voge Date 5-4-73
Date	Indexed G. D. BAILEY MAY 10 1973



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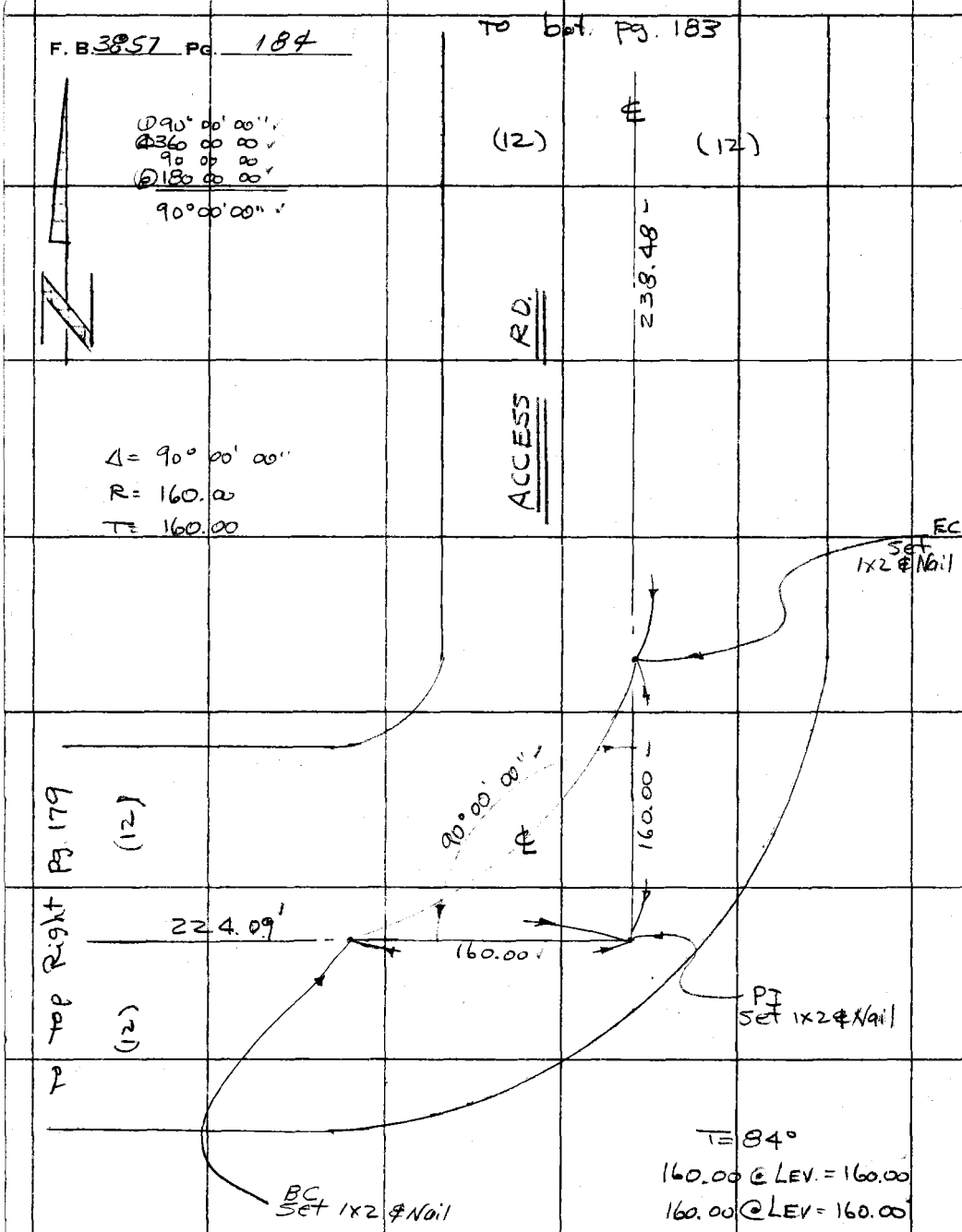
F. B. 3857 Pg. 184



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F. B. 3857 PG. 185

Profile No.	Notes Red	Plotted	Job No. 0056.12	Division No.	
	Date	Date	Survey of Access RD - Castaic Area		
X-Sec. No.	Notes Chk'd.	Checked	Survey by Voge	Notes Voge	Date 5/9/73
	Date	Date	Map No.	Indexed G. D. BAILEY	Date MAY 10 1973

J. N. 0056.12
LEVELS. FOR
ACCESS RD. CASTAIC REC. AREA

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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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
B.M. 208-72 FD.	3.62			1230.13	B.M. 208-72 ELEV.=1230.129 USC & GS X-370 OLD RIDGE ROUTE 0.7 MILE NORTH OF CASTAIC UNION SCHOOL AT THE Y-JUNCTION OF OLD ELIZABETH LAKE CANYON RD., 90.7 FEET NORTHEAST OF P. POLE 646219E, 29.0 FT EAST OF THE APPROX. CENTER OF ROAD, 6.5 FT SOUTH OF T.P. # 691746H, 2.2 FT. W. OF A BARBED WIRE FN. SET IN THE TOP OF A CONCRETE POST PROJECTING ABOUT 4' ABOVE THE GROUND. A USC & GS BENCH MARK DISK SET IN CONC. F.B. 3857-54	
		1233.75				
P.I.			8.17	1225.58	1"x2" & NAIL	
P.O.T.			7.39	1226.36	" "	
T.P.	0.08		10.88	1222.87		
		1222.95				
			11.54	1211.41		
T.P.	0.19					
		1211.60				
			11.51	1200.09		
T.P.	0.31					
		1200.40				
B.C.			6.9	1193.5	FLAG (DIRT)	
P.I.			5.90	1194.50	1x2 & NAIL	
T.P.	6.01					

F. B. 3857 Pg. 196

Job No. 0056.12 Division No. Notes Red Plotted Profile
Survey of Access Rd - Castaic Area Date 5/9/73 Date No.
Survey by Voge Notes Voge Notes Chk'd. Checked X-Sec.
Indexed G. D. BAILEY Date MAY 10 1973 Date No.

F. B. 3857 Pg. 187

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 0056.12 Division No. ____

X-Sec. No. ____ Notes Chk'd. ____ Date ____ Checked ____ Date ____ Survey of Access Rd. - Castaic Area

Survey by Voge Notes Voge Date 5/9/73

Map No. ____ Indexed G. D. BAILEY Date MAY 10 1973

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 Los Angeles County Engineering Bldg.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	
		1200.51			
			0.42	1200.09	
T.P.	11.72				
		1211.81			
			0.40	1211.41	
T.P.	11.88				
		1223.29			
			0.42	1222.87	
T.P.	11.88				
		1234.73			
B.M. 208-72			4.61	1230.14	BM 208-72 Elev. = 1230.129

Description on Pg. 186

76-L-298 CE 307 5-66