Notes Ctd by M. ASHLEY

Survey of W.W. DIST. Nº 29
JN 5292.87 Tape 172 Std 84 °F
Surveyed by L.V. SMITH
Notes L.V.S. Date 9-29-65
Index D. J. GALLI NOV 3 '65

F. B. 3264 Pg. 5

TERWORKS DISTRICT Nº 29

J.N. 5292.87

PIPELINE MONUMENTS

ECK FOR HORIZONTAL MOVEMENT OF
FLINE MONUMENTS IN SLIDE AREA
PACIFIC COAST HWY. ON PORTION
UNIT Nº 2 OF THE MALIBU BRANCH
DER, FROM PIPELINE PLUS OF
68.79' WLY. ALONG PIPELINE TO
53.2.

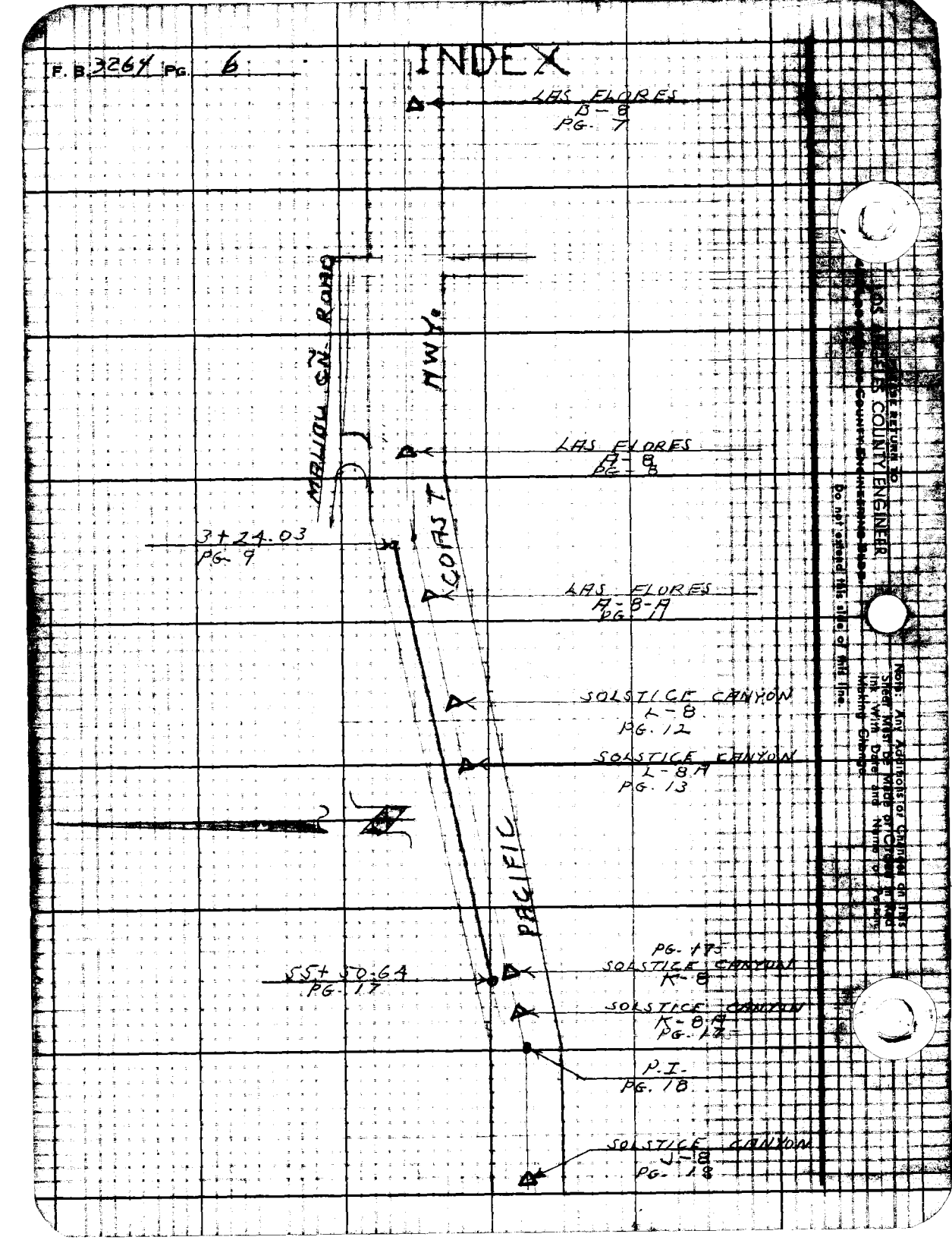
OCT 1965

PARTY
R.L. STRADER
M.E. WACKER
I.T. RANGEL

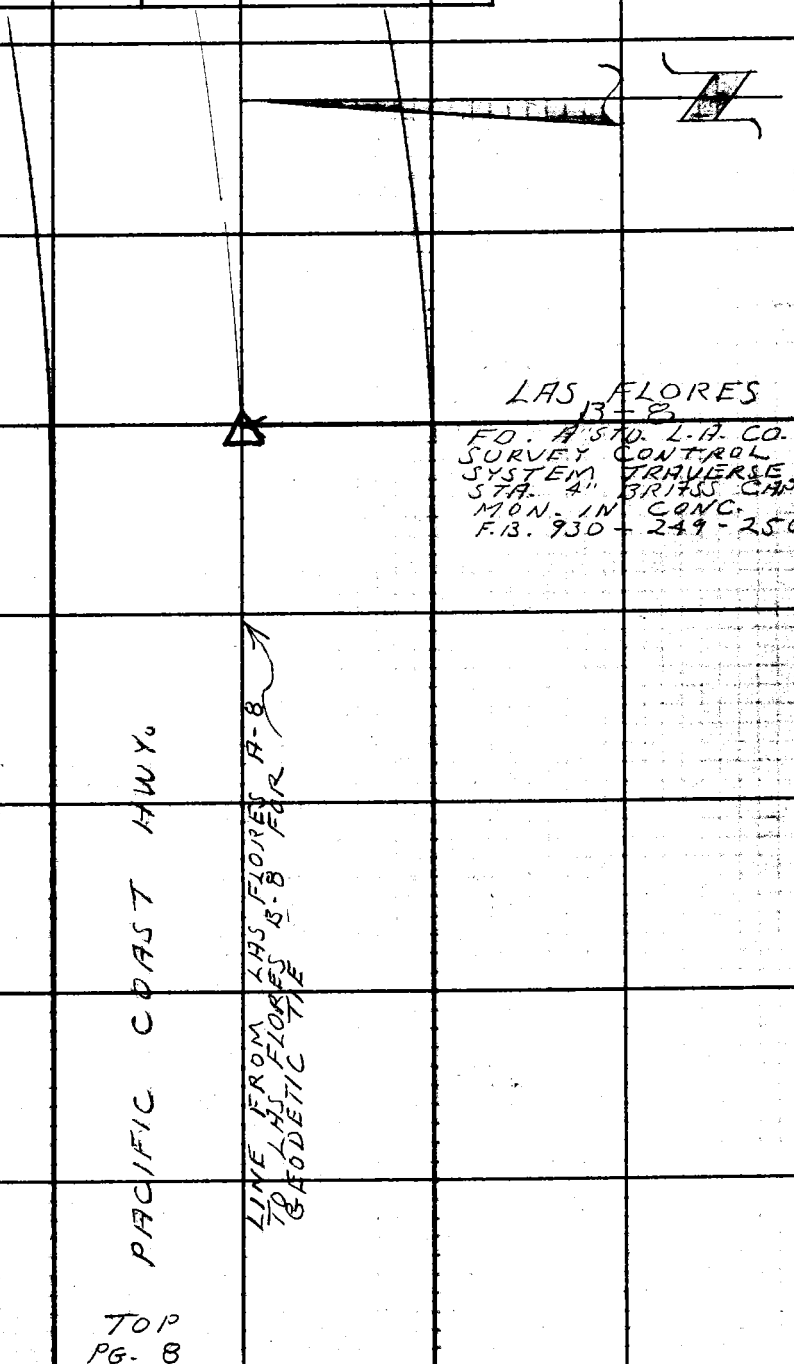
Microfilmed Feb. '85

F. B. 3264 PG. 6

INDEX



Notes Ck'd by M. ASHLEY	Survey of W.W. DIST. No 29	F. B. 3264 Pg. 7
Map No.	JN 5292.50 Tape 172 Std 84 °F	
Office Work	Surveyed by L.V. SMITH	
Checked	Notes L.V.S. Date 9-29-65	
Date	Indexed C. J. GALLI	



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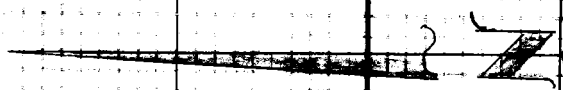
76F3095 C.E. #310 6-62

F. B. 3264 PG. 8

BOT-
PG. 7

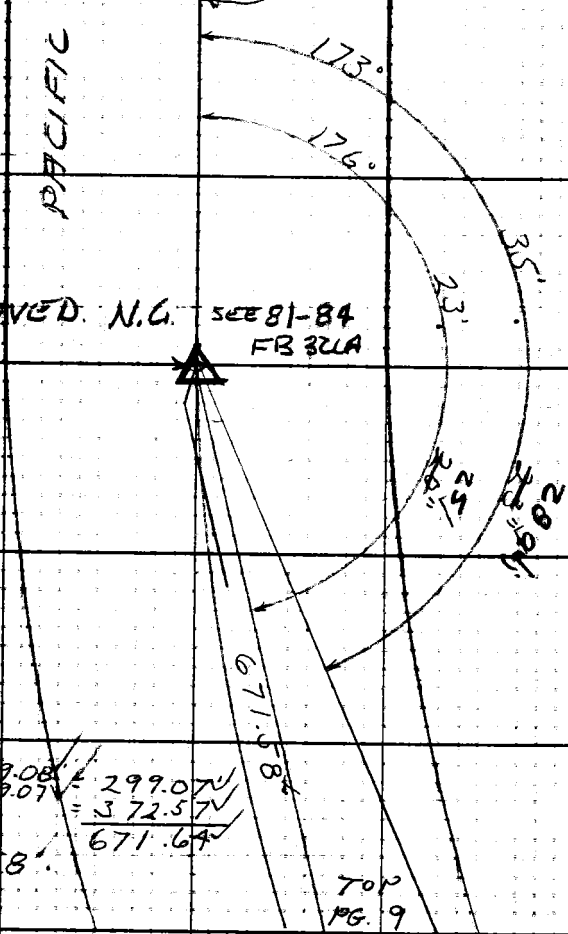


PACIFIC COAST HWY.

LINE FROM LAS FLORES A-8 TO LAS FLORES A-8 FOR GEODETIC TIE

1) 176° 23' 30"
4) 345 33 15
6) 338 20 00
176° 23' 20"

1) 173° 35' 15"
4) 334 21 45
6) 321 32 15
173° 35' 23"



LAS FLORES MOVED N.G. SEE 81-84
FB 32LA
A-8
AD. STD. 4" BRASS
CAP L.A. CO. TRAV.
STA. PER F.B. 2962
PG 9 & F.B. 3164-21
93-157
STATE CONST.
E.C. = 902+21.75

299.79' @ 3°57' = 299.08' = 299.07
299.84' @ 4°06' = 299.07 = 372.57
372.57' @ LEV. = 671.64

T = 70° = 671.58'

TOP
PG. 9

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Map No.	JN 5292.50 Tape 172 Std 84 °F
Office Work	Surveyed by L. V. SMITH
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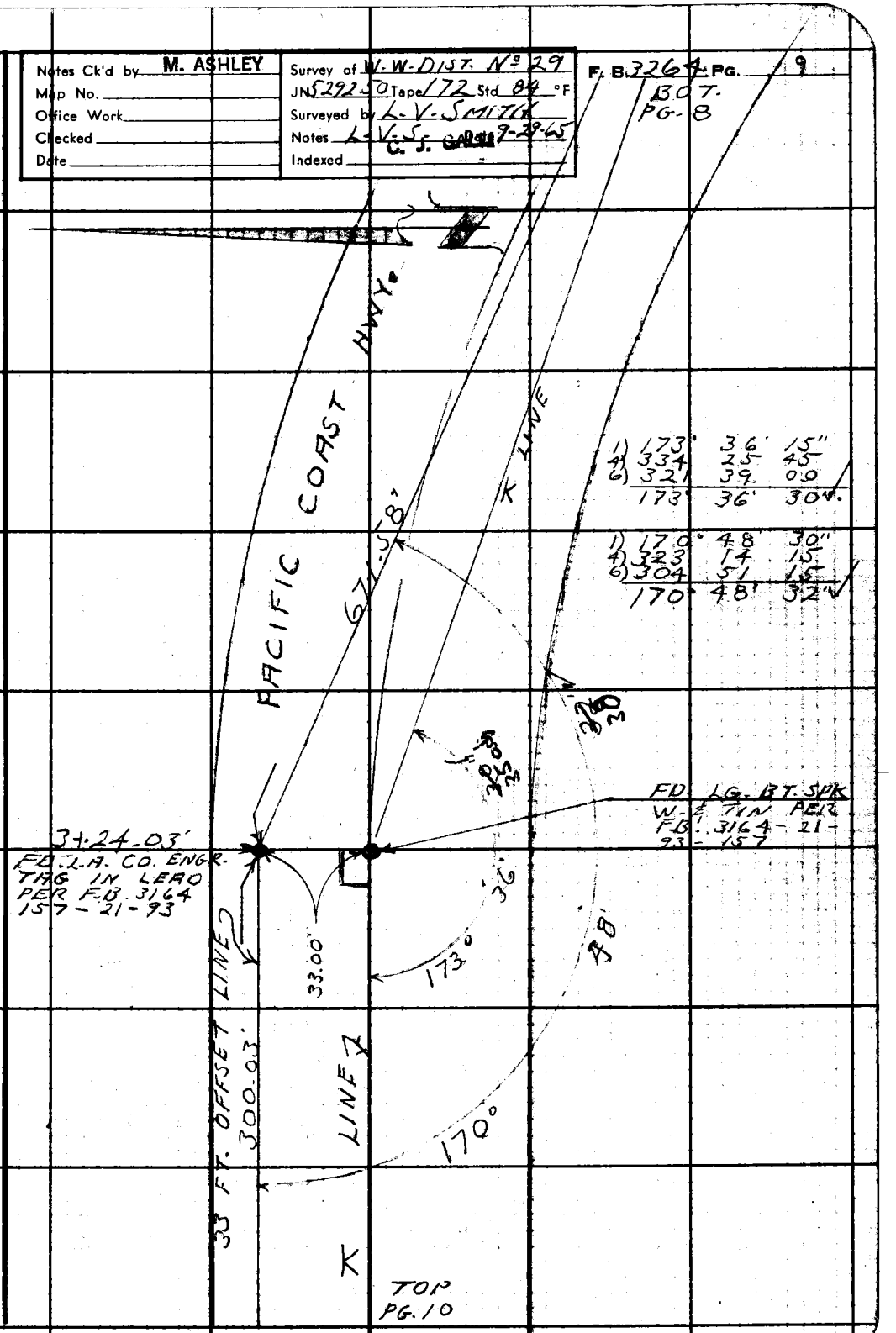
Date	Indexed

F. B. 3264 PG. 9



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76F3095 CE #310 6-62

F. B. 3264 PG 10

300.60' @ 3°28' = 300.05' ✓
300.56 @ 3°21' = 300.05' ✓
T = 72° = 300.03' ✓

144.97' @ 2°26' = 144.84' ✓
T = 74° = 144.83' ✓

299.95' @ 3°37' = 299.35' ✓
299.89' @ 3°30' = 299.33' ✓ 299.34'
T = 72° = 299.32' ✓

#15
9+18.31
FD. 3/4" I.P. & CAP IN WELL. F.B. 3164 22-94-158
CAP TOUCHES PIPE

300.13' @ 3°40' = 299.51' ✓
T = 74° = 299.49' ✓

145.19' @ 2°30' = 145.05' ✓
T = 74° = 145.04' ✓

300.03'
HWY.
144.83'
299.32'
0.17
0.05'
COAST
5.07'
33 FT. OFFSET
145.04'
PACIFIC
T LINE
299.49'
0.10

BOT PG. 9

6+24.06
CH. PT.
FD. NAIL IN PVMT. F.B. 3164-22-94 158

#14
7+68.89
FD. 3/4" I.P. & CAP IN WELL. F.B. 3164-22-94 158
SLEEVE TOUCHES PIPE

9+23.38
FD. CONC. NAIL IN PVMT. F.B. 3164-22-94-158

#16
10+68.42
FD. 3/4" I.P. & CAP IN WELL. F.B. 3164-22-94 158.

TOP PG. 11

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Notes Ck'd by M. ASHLEY	Survey of W.W. DIST. No 29	F. B. 3264 Pg. 11
Map No.	JN 5292.50 Tape 172 Std 84 °F	
Office Work	Surveyed by L. V. SMITH	
Checked	Notes L. V. S. Date 9-29-65	
Date	Indexed C. J. GALLI	

BOT. PG. 10

299.49'

0.04'

#17

12+17.79'

FD. 3/4" I.P. & CAP IN WELL PER F.B. 3164-23-95-159

5.08'

12+22.87

SET CONC. NAIL

71.13' @ LEV.

T=74°=71.13 ✓

71.13'

HWY.

0.03'

LAS FLORES

A-8-A

12+94.00

RESET BT. SPK. W. & TIN ON 33.00' OFFSET LINE. F.B. 3164-23-95-159.

33.00'

FD. STD. 4" BR. CAP MON. L.A. CO. TRAV. STA. DN. 8" PER F.B. 2952-11 & F.B. 3164-23-95-159

73.24' @ LEV.

T=80°=73.24' ✓

73.24'

COAST

LINE

33 FT. OFFSET LINE

#18

13+67.24'

FD. 3/4" I.P. & CAP IN WELL F.B. 3164 PG. 23-95-159

299.87' @ 2°46'=299.52'

T=78°=299.51' ✓

299.51'

0.23'

PACIFIC

0.47'

#19

15+17.14'

FD. 3/4" I.P. & CAP IN WELL F.B. 3164 PG. 23-95-159

CAP TOUCHES PIPE

76.37' @ LEV.

T=78°=76.37 ✓

76.37'

15+93.51'

FD. CONC. NAIL F.B. 3164-23-95 159

73.54' @ LEV.

T=78°=73.54' ✓

73.54'

#20

16+67.05'

FD. 3/4" I.P. & CAP IN WELL F.B. 3164 PG 23-95-159

CAP TOUCHES PIPE

239.79 @ 1°21'=239.72' ✓

T=78°=239.71 ✓

239.71'

0.61

TOP PG. 12

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76F3095 CE #310 6-62

F. B. 3264 PG. 12

BOT
PG. 11

239.71'

0.23'

21
18+16.89
FD. 3/4" I.P. & CAP IN WELL
F.B. 3164 - 24
96 - 160
CAP TOUCHES PIPE

16.33' @ LEV.
T = 80° = 16.33' ✓

16.33'

18+33.22
RESET CONC. NAIL
F.B. 3164 - 24 - 96 - 160

PACIFIC COAST HWY

LINE

33 FT. OFFSET

160.81'

0.12'

22
19+67.04
FD. 3/4" I.P. & CAP IN WELL
F.B. 3164 - 24
96 - 160
CAP TOUCHES PIPE

℄ LINE

160.81' @ LEV.
T = 80° = 160.81' ✓

26.99'

26.99' @ LEV.
T = 80° = 26.99' ✓

0.02'

SOLSTICE CANYON

L-8
FD. STD. 4" BR CAP L.A. CO. TRAV. STA. MON IN CONC. DN 8" F.B. 2962 12 & F.B. 3164 24 96 - 160

19+94.03'
RESET L.G. B.T. SPK. W. & TIN @ O.T. M.Y. ON 33 FT. OFFSET LINE. F.B. 3164 - 24 - 96 - 160

33.00'

106.60'

106.60' @ LEV.
T = 80° = 106.60' ✓

23
21+00.63'
FD. 3/4" I.P. & CAP IN WELL
F.B. 3164 - 24
96 - 160
CAP TOUCHES PIPE

300.54'

300.53' @ LEV.
T = 90° = 300.54' ✓

0.18'

TOP
PG. 13

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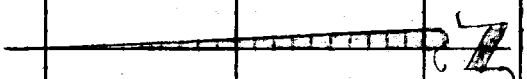
Map No.	JN 5292-50 Tape 172 Std 84 °F
Office Work	Surveyed by L.V. SMITH
Checked	Notes L.V.S. Date 10-1-65
Date	Indexed C. J. GALLI

F. B. 3264 Pg. 13

130 T. PG. 12

HWY.



300.54'

0.53'

#24
22+57.10
FD. 3/4" I.P. & CAP IN WELL PER F.B. 3164-25-97-161

43.47' @ LEV.
T = 88 = 43.47' ✓

22+94.57'
FD. CONC. NAIL 0.07' SLY. OF LINE. SET NEW POINT ON 33 FT. OFFSET LINE. F.B. 3164-25-97-161

43.47'

33 FT. OFFSET LINE

PACIFIC COAST

106.09'

106.09' @ LEV.
T = 88° = 106.09' ✓

#25
24+00.66
FD. 3/4" I.P. & CAP IN WELL PER F.B. 3164-25-97-161 ✓

308.99'

0.20'

299.75' @ 1°04' = 299.70 : 299.69' ✓
299.73' @ 0°58' = 299.69
9.32' @ LEV.
9.32'
309.01' ✓

T = 74° = 308.99' ✓

0.53'

#26
25+50.59'
FD. 3/4" I.P. & CAP IN WELL PER F.B. 3164-25-97-161 CAP TOUCHES

52.97'

52.97' @ LEV.
T = 78° = 52.97' ✓

0.02'

SOLSTICE CANYON
L-B-A

26+03.56'
FD. LG. DT. SPK. W. & TIN 0.03' SLY. OF 33.00' OFFSET LINE - RESET ON LINE. F-13. 3164-25-97-161

33.00'

FD. 1" BR. CAP L.A. CO. TRAV. STA. MON. IN CONC. DN. 1.2' F.B. 3164-25-97-161

99.65'

99.65' @ LEV.
T = 78° = 99.65' ✓

300.08'

#27
27+03.21'
FD. 3/4" I.P. & CAP IN WELL PER F.B. 3164-25-97-161

300.31' @ 2°12' = 300.09' ✓ 300.09
300.29' @ 2°03' = 300.10' ✓
T = 78° = 300.08'

0.24'

TOP PG. 14

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76F3093 CE #310 8-62

F.B. 3264 PG 14

BOT. PG. 13

300.08'

0.20

#28
28+53.26
FD. 3/4" I.P. & CAP IN WELL
F.B. 3164-26-98 162
CAP TOUCHES PIPE

50.38' @ LEV.
T = 80° = 50.38' ✓

50.38'

HWY.

29+03.64'
FD. CONC. NAIL 0.03 SLY. OF 33 FT. OFFSET LINE. SET POINT ON LINE. F.B. 3164-26-98-162

98.56' @ LEV.
T = 80° = 98.56' ✓

98.56'

COAST

33 FT. OFFSET LINE

299.83' @ 2°24' = 299.67' ✓
299.90' @ 2°16' = 299.67' ✓
T = 86° = 299.67' ✓

#29
30+02.20'
FD. 3/4" I.P. & CAP IN WELL F.B. 3164-26-98-162

0.34'

299.67'

0.23'

#30
31+50.98
FD. 3/4" I.P. & CAP IN WELL F.B. 3164-26 98-162-
SLEEVE TOUCHES PIPE

52.33' @ LEV.
T = 86° = 52.33' ✓

52.33'

T LINE

PACIFIC

32+03.31
FD. CONC. NAIL 0.04' SLY. OF 33 FT. OFFSET LINE. SET POINT ON 33 FT. OFFSET LINE. F.B. 3164-26-98-162

300.20' @ 2°11' = 299.98' ✓
300.17' @ 2°04' = 299.97' = 299.97' ✓
T = 84° = 299.97' ✓

299.97'

#31
PIPE LOOSE IN WELL

TOP PG. 15

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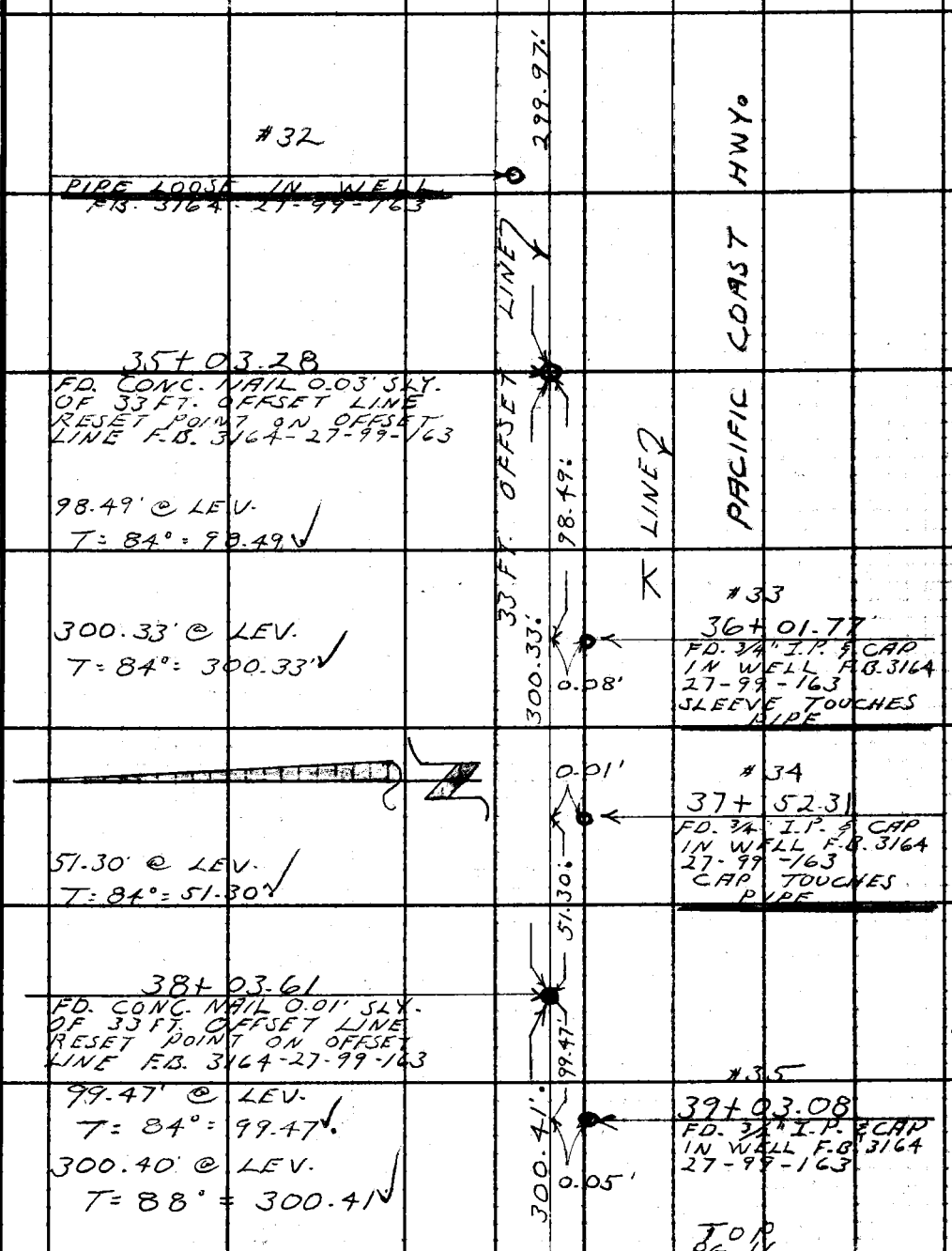
Map No.	JN 5292-50 Tape 172 Std 84 °F
Office Work	Surveyed by L-V-SMITH
Checked	Notes L-V-S- Date 10-4-65
Date	Indexed G. J. GALLI

F. B. 3264 PG. 15
BOT.
PG-14



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76F3095 CE #310 6-62

F. B. 3264 PG. 16

BOT. PG. 15

#36
41+51.87
FD. 3/4" I.P. & CAP IN WELL. F.B. 3164-28-100 164. SLEEVE TOUCHES PIPE

52.15 @ LEV.
T = 88° 52.15'

41+04.02'
FD. CONC. NAIL 0.01' SLY. OF 33 FT. OFFSET LINE. RESET POINT ON OFFSET LINE. F.B. 3164-28-100-164

97.57' @ LEV.
T = 88° 97.57'

300.22' @ LEV.
T = 88° = 300.23'

300.41'
0.16'
52.15'
97.57'
T LINE
HWY.
33 FT. OFFSET LINE
300.23'
0.37
#37
42+01.59'
FD. 3/4" I.P. & CAP IN WELL
COAST
#38
PIPE LOOSE
F.B. 3164-28-100-164
PACIFIC
44+04.25'
FD. CONC. NAIL
F.B. 3164-28-100-164
1146.33'

300.32 @ 1°22' = 300.24'
300.35 @ 1°23' = 300.24' = 300.24
300.00 @ 1°20' = 299.92'
300.02 @ 1°27' = 299.92' = 299.92
299.87 @ 1°53' = 299.71'
299.85 @ 1°47' = 299.70' = 299.70
246.43 @ LEV. 246.43
1146.29'
T = 90° = 1146.33'

TOP PG. 17

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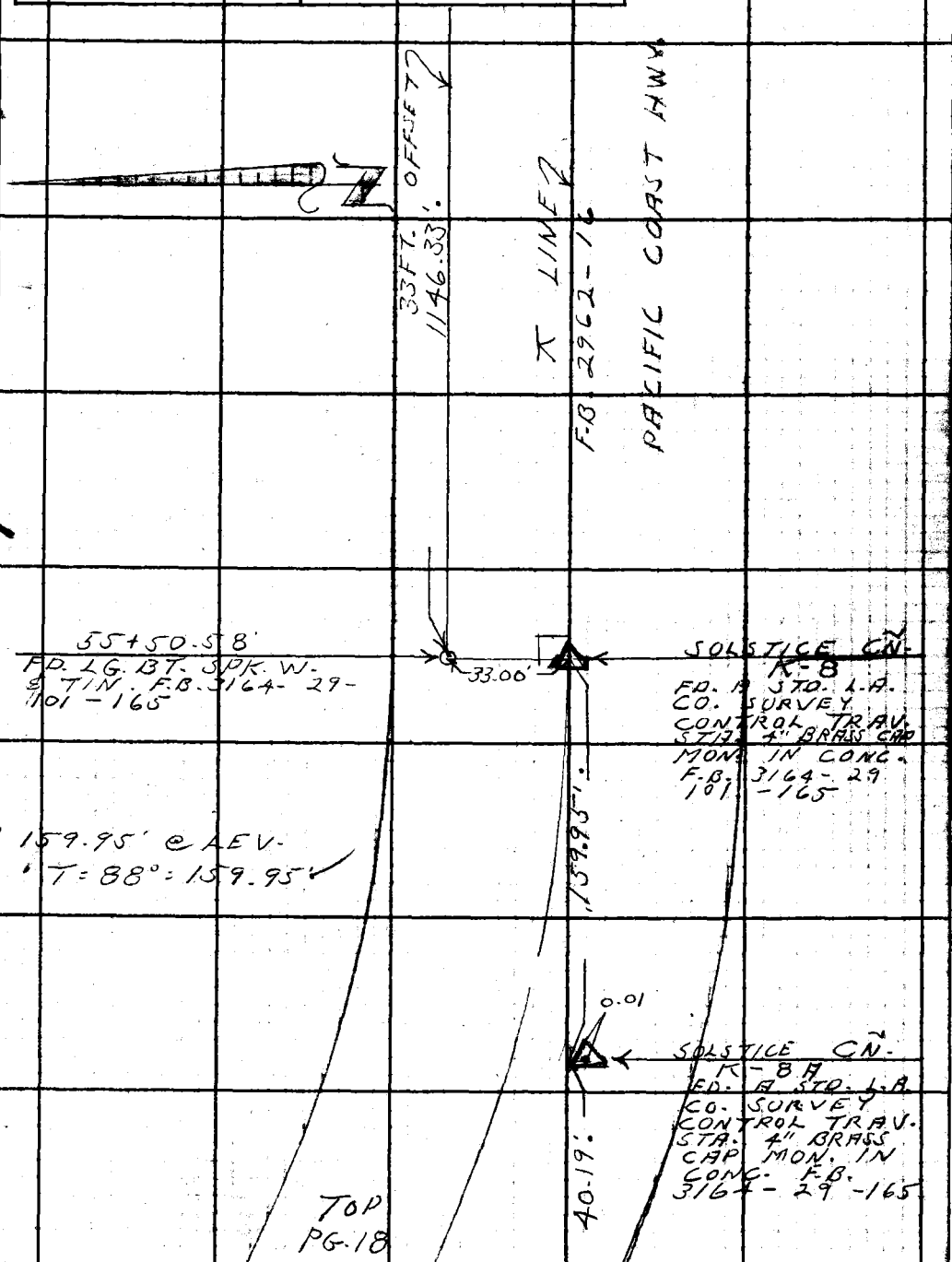
Map No.	JN 5292.50 Tape 172 Std 84 °F	
Office Work	Surveyed by L.V. SMITH	BOT.
Checked	Notes L.V.S. Date 10-5-65	PG. 16
Date	Indexed C. J. GALLI	



W.S. 91, B-3

114-057, B-1

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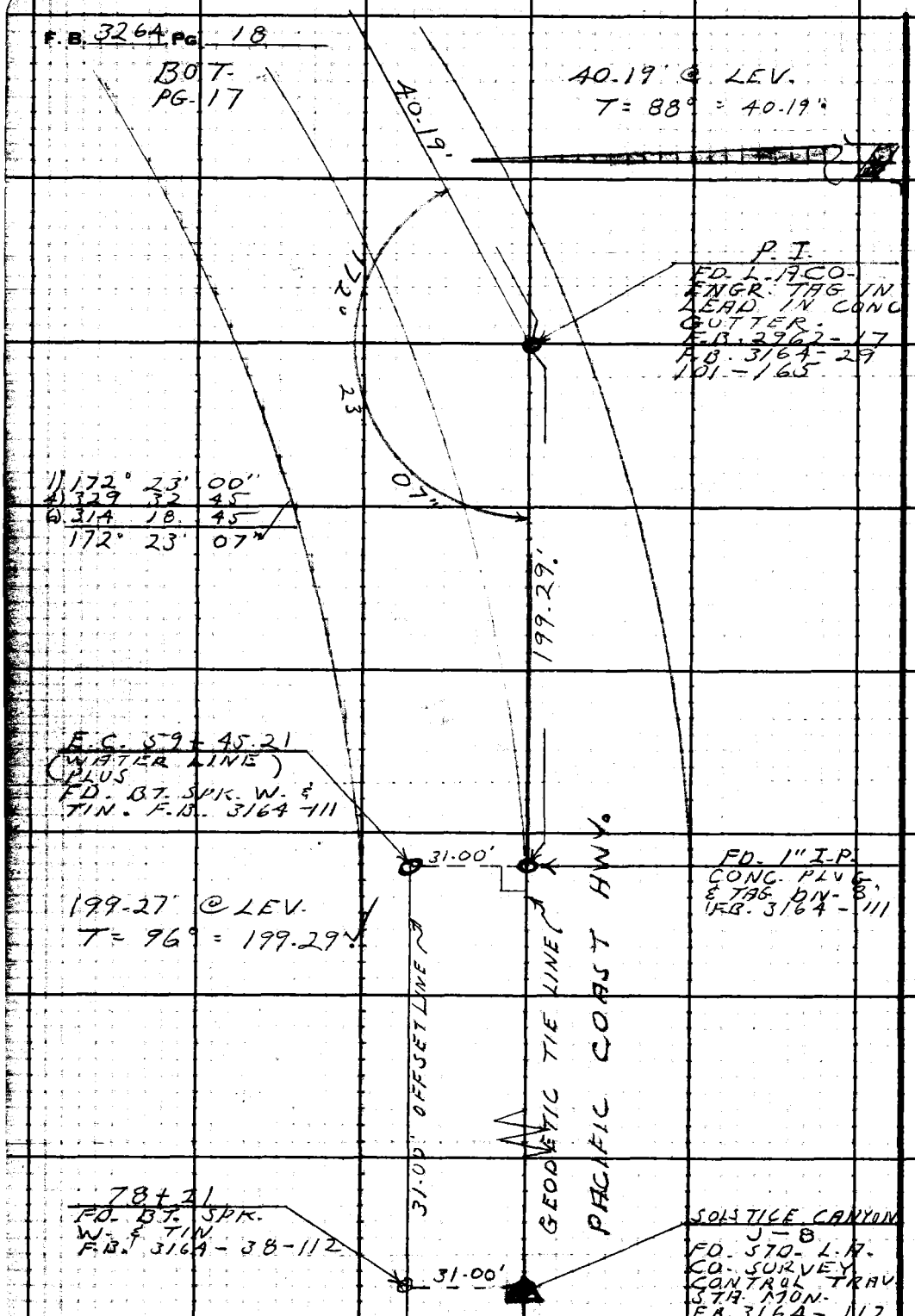
76F309S CE #310 6-62

F. B. 3264 Pg. 18

BOT-
PG-17



40.19' @ LEV.
T = 88° = 40.19'

P. I.
FD. L.A.CO. ENGR. TAG IN LEAD IN CONC GUTTER.
F.B. 3962-17
F.B. 3164-29
101-165

1) 172° 23' 00"
2) 329 32 45
3) 314 18 45
172° 23' 07"

E.C. 59+45.21
(WATER LINE)
PLUS
FD. BT. SPK. W. & TIN. F.B. 3164-111

199.27' @ LEV.
T = 96° = 199.29'

FD. 1" I.P. CONC. PLUG & TAG. DIV-8 F.B. 3164-111

78+21
FD. BT. SPK. W. & TIN F.B. 3164-38-112

SOLSTICE CANYON J-8
FD. S70-L.A. CO. SURVEY CONTROL TRAV. STATION.
F.B. 3164-112

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Profile No.	Notes Red	Plotted	Job No. 5292.50	Division No.
	Date	Date	Survey of W.W. DIST. Nº 29	
X-Sec. No.	Notes Chkd. M. ASHLEY	Checked	Survey by L.V. SMITH	Notes M.E.W. Date
	Date	Date	Map No.	Indexed C. J. GALLI Date NOV 3 '65

F.B. 3264 Pg. 19

WATERWORKS DISTRICT Nº 29

J.N. 5292.50

PIPELINE MONUMENTS

PROFILE ON SURVEY MONUMENTS FOR CHECK ON VERTICAL MOVEMENT IN SLIDE AREA ON PACIFIC COAST HWY. ON PORTION OF THE MALIBU BRANCH FEEDER FROM PIPELINE PLUS OF 7+68.79 WLY. ALONG PIPELINE TO 43+53.2. PRECISE LEVEL DATUM 1964 ADJUSTMENT. LEVEL CIRCUIT Nº 48

OCT. 4, 1965

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

PARTY
L.V. SMITH
R.L. STRADER
M.E. WACKER
I.T. RANGEL

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74-298 CE 307 3-61

76-L298 CE 307 3-61

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STATION	B.S.	H.I.	F.S.	ELEV.	
B.M. 48-81	5201	20.437		15.236	B.M. 48-81 F.B. 1369-68- 1964 ADJ. ELEV.=15.236 LAS FLORES B-9-B PACIFIC COAST HWY. EAST OF MALIBU CN. RD. ABOUT 0.15 MILES WEST OF MALIBU CREEK BRIDGE No 53-32. IN THE CENTER OF THE HWY. DIVIDER STRIP ABOUT 178 FT. WLY. OF THE DIVIDER STRIP CURB RETURN. A LOS ANGELES COUNTY SURVEY CONTROL SYSTEM TRAVERSE STA. MON. STAMPED "LAS FLORES B-9-B R.E. 329 1950 SET ABOUT 6" BELOW SURFACE.
T.P.	5825	21762	4500	15937	
T.P.	5674	22418	5018	16744	
LAS FLORES B-8	6163	22851	5730	16688	LAS FLORES B-8 PACIFIC COAST HWY. ABOUT .25 MILES WEST OF THE BRIDGE OVER MALIBU CREEK. IN THE DIVIDER STRIP AT STATE HWY. B.C. STA. 924+62.29. A LOS ANGELES CO. SURVEY CONTROL SYSTEM TRAVERSE STA. MON. STAMPED 'LAS FLORES B-8 R.E. 329 1950 SET ABOUT 8" BELOW CURB ELEV.
T.P.	5111	21598	6364	16487	
T.P.	5021	21110	5509	16089	
T.P.	5142	20764	5488	15622	
T.P.	5662	20983	5443	15321	
B.M. 48-82A	5550	20603	5930	15053	B.M. 48-82-A F.B. 1369-141 1964 ADJ. ELEV.=15.054 PACIFIC COAST HWY. AND MALIBU CN. ROAD AT THE NORTHEAST CORNER. 95.4' FEET NLY. OF STEET LIGHT No. M 3330, 73.0' N. ELY. AND 40.7' ELY. OF LEADS AND TACKS IN EASTERLY CURB OF ISLAND IN THE N.E. CORNER OF THE INTERSECTION. A COUNTY ENGINEER BRASS DISK STAMPED "E.C. C.C.5 R.E. 5869
		CONT. PG			

F.B. 3264 PG. 20
Job No. 5292.50 Division No. Notes Red Plotted Profile
Survey of W.W. DIST. No 29 Date Date No. X-Sec.
Survey by L.V. SMITH Notes M.E.W. Notes Chkd. Checked
Indexed C. J. GALLI Date Date No.

76-L.298 CE 307 3-61

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STATION	B. S.	H. I.	F. S.	ELEV.		
		20603				
T.P.	5460	20686	5377	15226		
T.P.	5759	21485	4960	15726		
T.P.	7520	25547	3458	18027		
T.P.	9095	32496	2146	23401		
T.P.	10390	41710	1176	31320		
T.P.	11180	52631	0259	41451		
T.P.	8185	60601	0215	52416		
BM-48-83	10851	67232	4220	56381	Las Flores A-8- B.M. 48-83 F.B. 1369-70 1964 Adjusted Elev. 56.451 Pacific Coast Hwy., about 420 ft. easterly of Malibu Cyn. Rd., 46.8 ft. southwesterly of Power Poll No. 775-299E on the ℄ of the Hwy. in the ctr. of the devider strip at the E.C. at Hwy. sta. 902+21.75. A L.A.Co. Survey Control System traverse station monument, stamped "LAS FLORES A-8 RE. 329 1950", Set about 8" below the surface.	
T.P.	9377	76207	0402	66830		
T.P.	9036	84539	0704	75503		
T.P.	9280	92520	1299	83240		
B.M. 48-83A	10334	101417	1437	91083	B.M. 48-83A F.B. 1369-139 1964 Adjusted Elev. 91,187 Pacific Coast Hwy + Malibu Cyn. Rd. In the Catch basin in the Hwy devider strip, 82.0 ft. Southeasterly of Power Poll # 1045723E, 75.0 ft. southwesterly of Telephone Poll # 18600Y & 51.5 ft westerly of state Hwy. sta. A 897+50. A County Engineer brass disk stamped "B.M. 48-83A R.E. 1369 1960"	

Profile Notes Red Plotted Job No. 5222.50 Division No.
No. Date Date Survey of W.W. Dist. No. 29
X-Sec. Notes Ch. M. ASHLEY Checked Survey by L.V. SMITH Notes M.E.W. Date OCT. 4, 1965
No. Date Date Map No. Indexed C. J. GALLI Date

F.B. 3264 Pg. 71

76-L298 CE 307 3-61

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F.B. 3264 Pg. 22 Job No 52235 Division No. Notes Red Plotted Profile
Survey of W. W. Dist. No 29 Date Date No. X-Sec.
Survey by V. Smith Notes M. E. W. Notes Chkd. Checked
Indexed GALL Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.		
		101 417				
T.P.	8766	109975	0208	101209		
T.P.	9063	117253	1785	108190		
T.P.	10029	125927	1355	115898		
T.P.	10238	135885	0280	125647		
#14			081	13508	#14	
T.P.	9490	144933	0442	135443		
T.P.	9514	153160	1287	143646		
#15			778	14538	#15	
T.P.	9759	162415	0504	152656		
#16			650	15592	#16	
T.P.	11545	173121	0839	161576		
#17			675	16637	#17	
B.M. 48-84	7920	179640	1401	171720	B.M. 48-84 F.B. 1369-71 1964 Adjusted Elev. 171.728 (Las Flores A-8A) Pacific Coast Hwy., about 1.0 mile west of the Malibu Creek Bridge, on the ℄ of the devider strip, 65.7 ft. southeasterly of power pole #1017667E at Hwy. Sta. 885+82.69 A Los Angeles Co. survey control system traverse station monument, stamped "LAS FLORES A-8A RE 329 1950," set about 6" below surface.	
#18			399	17565	#18	
T.P.	9644	188242	1042	178598		

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STATION	B. S.	H. I.	F. S.	ELEV.		
		188242				
#19			493	18331	#19	
T.P.	8663	195898	1007	187235		
#20			607	18983	#20	
T.P.	8023	202003	1918	193980		
#21			724	19476	#21	
#22			375	19825	#22	
T.P.	6639	205579	3063	198940		
#23			568	19990	#23	
T.P.	5470	206362	4687	200892		
#24			592	20044	#24	
B.M. 48-85A	7747	205519	8590	197772	B.M. 48-85A F.B. 1369-140 1964 Adjusted Elev. 197.807 (U.S.C. & G.S. D-1052) Pacific Coast Hwy. about 1.2 miles west of the Malibu Creek Bridge at Hwy. sta. No A-875+55 on the north side of the Hwy. 84.5 ft. east of Power Poll # 1017673 E in the Culvert headwall 1.9 Ft. west of the east end. A USC & GS disk Stamped "D 1052 1960"	
#25			616	19936	#25	
T.P.	3787	203376	5930	199589		
#26			624	19714	#26	

Profile No. X-Sec. No. Notes Red Date Notes Chkd M. ASHLEY Date Plotted Date Checked Date Job No. 5222-50 Division No. Survey of W.W. Dist. No 29 Survey by L.V. SMITH Notes M.E.W. Date Oct. 5, 1965 Map No. Indexed J. GALLI Date

F.B. 3264 Pg. 23

76-L298 CE 307 3-61

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STATION	B.S.	H.I.	F.S.	ELEV.		
		203376				
B.M. 48-86	3279	199310	7345	196031	B.M. 48-86 F.B. 1369-73 1964 Adjusted Elev. 1960.032 (SOLSTICE CANYON L-8A) Pacific Coast Hwy., about 1.25 miles west of the Malibu Creek Bridge, in the ctr. of the devider strip at Hwy sta. 872+73.10, 65.2 ft. southwesterly of Power Poll #1017674E. A L.A. Co. survey Control system travers sta. mon., stamped "SOLSTICE CANYON L-8A RE 329 1950," set about 8" below surface.	
#27			633	19298	#27	
T.P.	2559	193951	7918	191392		
#28			609	18786	#28	
T.P.	2068	187518	8501	185450		
#29			523	18229	#29	
T.P.	3086	182171	8433	179085		
#30			524	17693	#30	
B.M. 48-87	2269	177466	6974	175197	B.M. 48-87 F.B. 1369-74 1964 Adjusted EL: 175.196 (SOLSTICE CANYON L-8B) Pacific Coast Hwy, about 1.35 miles west of the Malibu Creek Bridge. In the Ctr. of the divider strip at Hwy. Sta. #866+66, 80.0 ft. southeasterly of Power Poll #1017678E. A L.A. Co. survey Control system travers sta. mon., stamped "SOLSTICE CANYON L-8B RE 329 1950" set about 8" below surface.	
T.P.	2681	171878	8269	169197		
#32			514	16674	#32	
T.P.	4161	168690	7349	164529		

F.B. 3264 Pg. 24
Job No. 5292-50 Division No. Notes Red Plotted Profile
Survey of W. W. DIST. No 29 Date Date No. X-Sec.
Survey by L. V. SMITH Notes M. E. W. Notes Chkd. Checked
Indexed G. J. GALLI Date Date No.

76-L298 CE 307 3-61

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STATION	B. S.	H. I.	F. S.	ELEV.		
		168690				
#33			501	16368	#33	
T.P.	4987	167825	5852	162838		
#34			532	16251	#34	
#35			562	16221	#35	
T.P.	4967	167341	5451	162374		
#36			578	16156	#36	
T.P.	5010	166450	5901	161440		
#37			549	16096	#37	
T.P.	4782	165480	5752	160698		
#38			545	16003	#38	
T.P.	4474	163435	6519	158961		
T.P.	2746	157933	8248	155187		
T.P.	2799	152183	8549	149384		
T.P.	2417	146137	8463	143720		
T.P.	3767	142252	7652	138485		
B.M. 48-88	5440	142950	4742	137510	B.M. 48-88 F.B. 1369-75 SOLSTICE CANYON K-8 1.8 miles west of the Malibu Creek Bridge, at the mouth of Marie Cyn., in the Ctr. of the devider strip 82.4 ft. west of the east end at the E.C. at Hwy. sta. 843+26.07. A L.A. Co. Survey Control System Traverse sta. mon., stamped "SOLSTICE CANYON K-8 RE. 329 1950" set about 10" below surface.	1964 Adjusted Elev. 137.493 Pacific Coast Hwy, about

Profile Notes Red ____ Plotted ____ Job No. 5292.50 Division No. ____
No. ____ Date ____ Date ____ Survey of W. W. DIST. No. 29
X-Sec. Notes Chkd. M. ASHLEY Checked ____ Survey by L. V. SMITH Notes M.E.W. Date Oct. 4, 1965
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F.B. 3264 Pg. 25

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F.B. 3264 PG. 26

Job No. 2252-50 Division No. Notes Red Plotted Profile
Survey of W. W. Dist. № 29 Date Date No. X-Sec.
Survey by L. V. Smith Notes M. E. Wacker Notes Chkd. Checked No.
Indexed L. J. GALLI Date Date Date

STATION	B. S.	H. I.	F. S.	ELEV.		
		142 950				
B.M. 48-89	6054	145932	3072	139878	B.M. 48-89 F.B 1369-75 1964 Adjusted El. 139.858 (SOLSTICE CANYON K-8A) Pacific Coast Hwy, about 1.8 miles west of the Malibu Creek Bridge at the mouth of Marie Cyn. in the divider strip about 243 ft. westerly of the east end of the strip, on the center line produced from the east & 1.3 ft. north of the south curb at Hwy. Sta. 841+65. A L.A. Co. Survey Control System traverse sta. mon.; stamped "SOLSTICE CANYON K-8A R.E. 329 1950," Set about 10" below the surface.	
T.P.	7487	150026	3393	142539		
T.P.	7593	154001	3618	146408		
T.P.	7374	157807	3568	150433		
T.P.	7133	161417	3523	154284		
T.P.	6679	165028	3068	158349		
B.M. 48-89A			5304	159724	B.M. 48-89A F.B 1369-143 1964 Adjusted El. 159.714 (USC & GS E 1052) Pacific Coast Hwy, on the north side about 2 miles west of the Malibu Creek Bridge at the Culvert at Hwy. Sta. A 830+50, in the culvert Headwall 1 ft east of the west end, 44.3 ft. north of the north curb of the Hwy. divider strip. A USC & GS disk stamped, "E 1052 1960."	

Notes Ck'd by M. ASHLEY	Survey of W.W. DIST Nº 29	F. B. 3264 Pg. 27
Map No. M. ASHLEY	JN 5292.87 Tape 201 Std 84 °F	
Office Work	Surveyed by C.K. LIND	
Checked	Notes DOVER Date 10-65	
Date	Indexed G. J. GALLI NOV 3 '65	

WATER WORKS DISTRICT Nº 29

JN. 5292.87

PIPE LINE MONUMENTS

CHECK FOR HORIZONTAL MOVEMENT OF PIPELINE MONUMENTS IN GEOLOGICAL HAZARDS STUDY AREAS ON PACIFIC COAST HYW. FROM PIPE LINE PLUS 73+70.58 to 216+34.69 W'ly FROM A POINT E'ly OF PUERCO CANYON ROAD TO ESCONDIDO CREEK

10-6-65

PARTY
LIND
DOVER
SWANN
ALHANZHU

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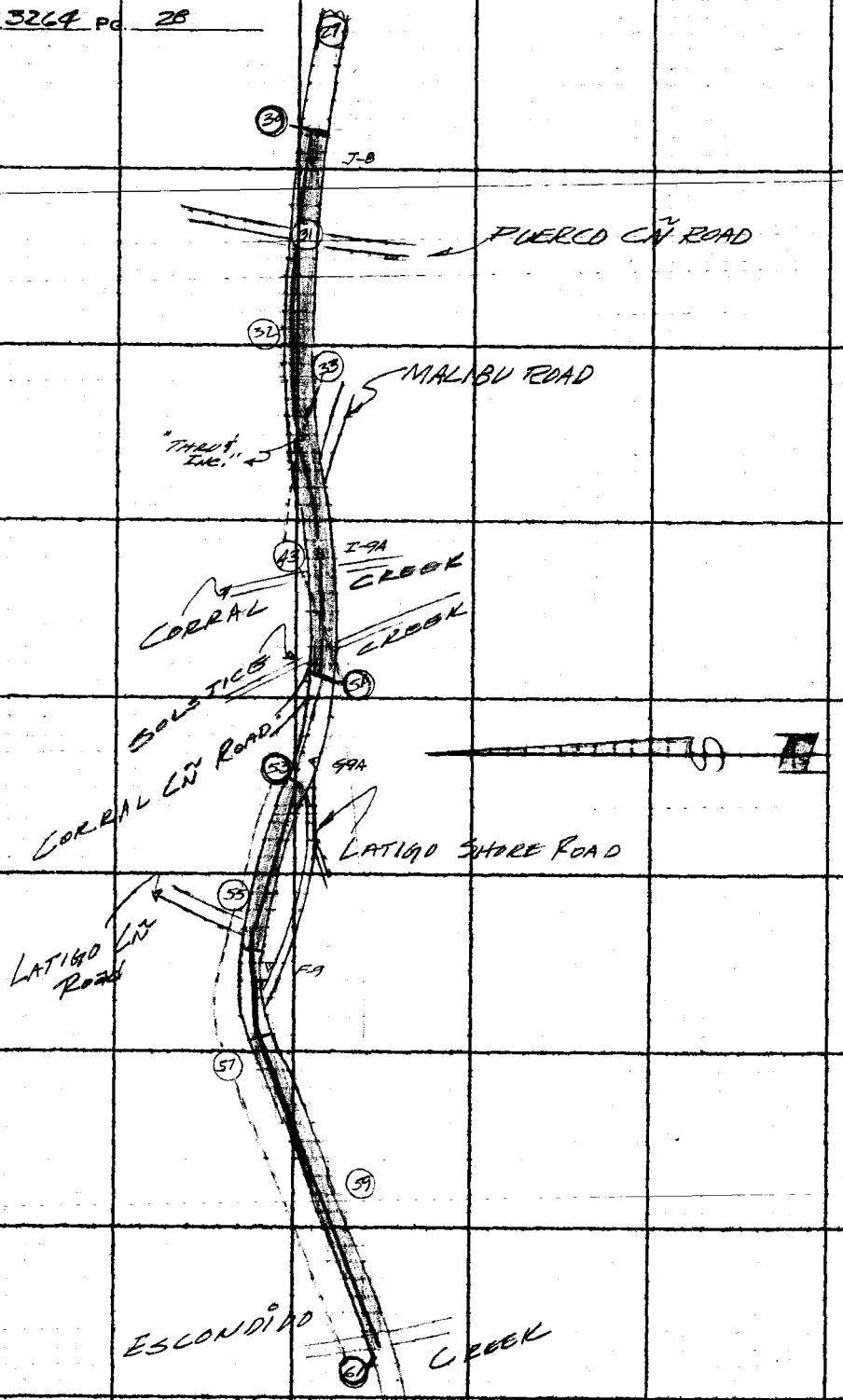
7 OF 3095 CE #310 4-53

F. B. 3264 Pg. 28



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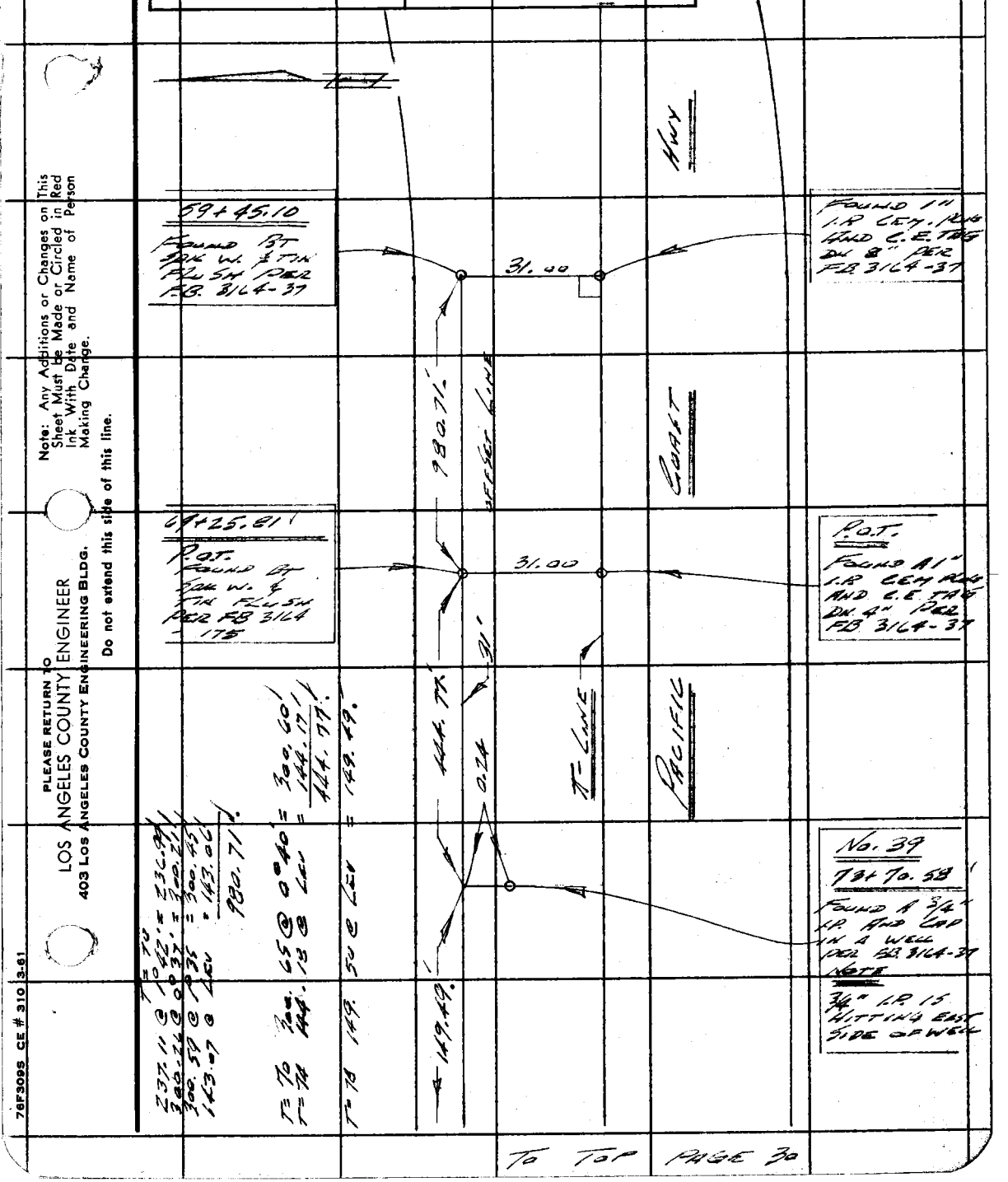
Map No.	JN 529250 Tape 201 Std 84 °F		
Office Work	Surveyed by C.K. LIND		
Checked	Notes LIND Date 9-29-65		
Date	Indexed C. J. GALLI		



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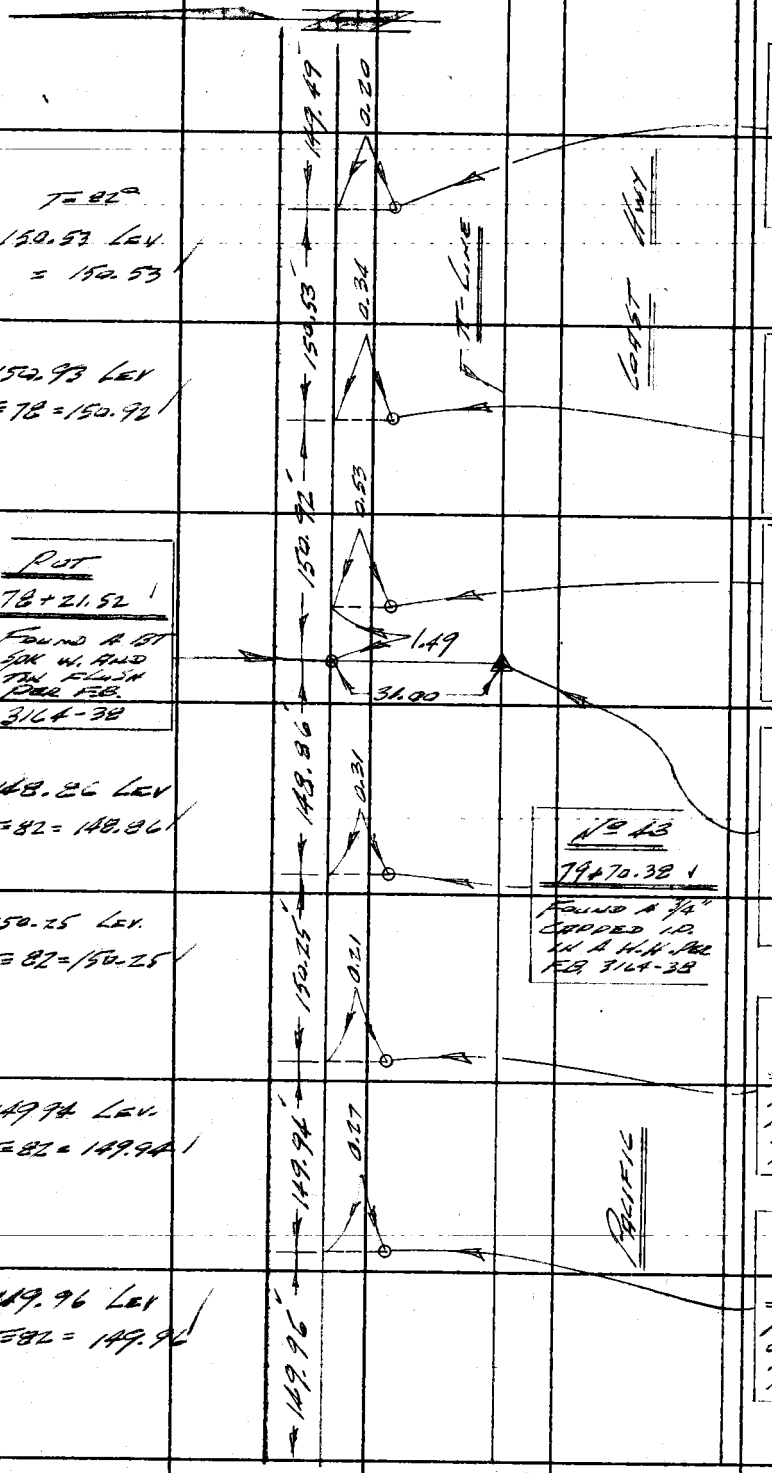
76F309S CE # 310 3-61

F. B. 3164 PG. 30

To Bott PAGE 29



№ 40
75+20.07
Found a ¾" Capped I.P. in a H.H. Pool FB 3164-38

№ 41
76+70.60
Found a ¾" Capped I.P. in a H.H. Pool FB. 3164-38

№ 42
78+20.03
Found a ¾" I.P. and Cap in a H.H. Pool FB 3164-38

№ 43
79+70.38
Found a ¾" Capped I.P. in a H.H. Pool FB 3164-38

C-8
Found a Std L.A. Co. Engr. Trav. Mon. in 12" and Stamped Sag-Stile Canyon C-8 1956 RE 329 Pool FB 3164-38

№ 44
81+20.67
Found a ¾" I.P. and Cap in a H.H. Pool FB. 3164-38

№ 45
82+70.57
Found a ¾" Capped I.P. in a H.H. Pool FB. 3164-38

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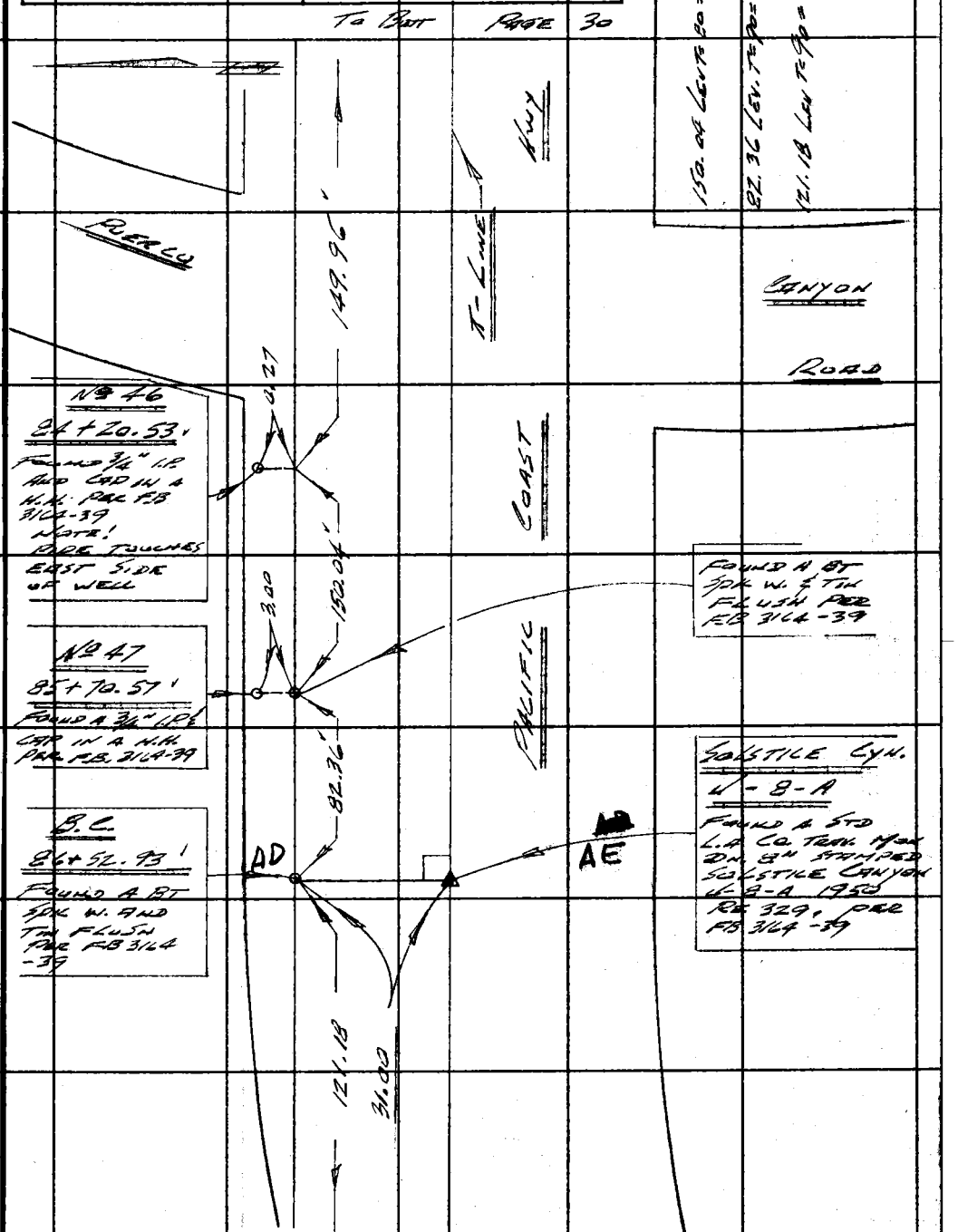
To Top PAGE 31

Notes Ck'd by M. ASHLEY	Survey of W.W. DIST No 29	F. B. 3164 PG. 31
Map No.	JN 5292.5 Tape 201 Std 84 °F	
Office Work	Surveyed by LIND	
Checked	Notes LIND Date 9-30-65	
Date	Indexed C. J. GALLI	



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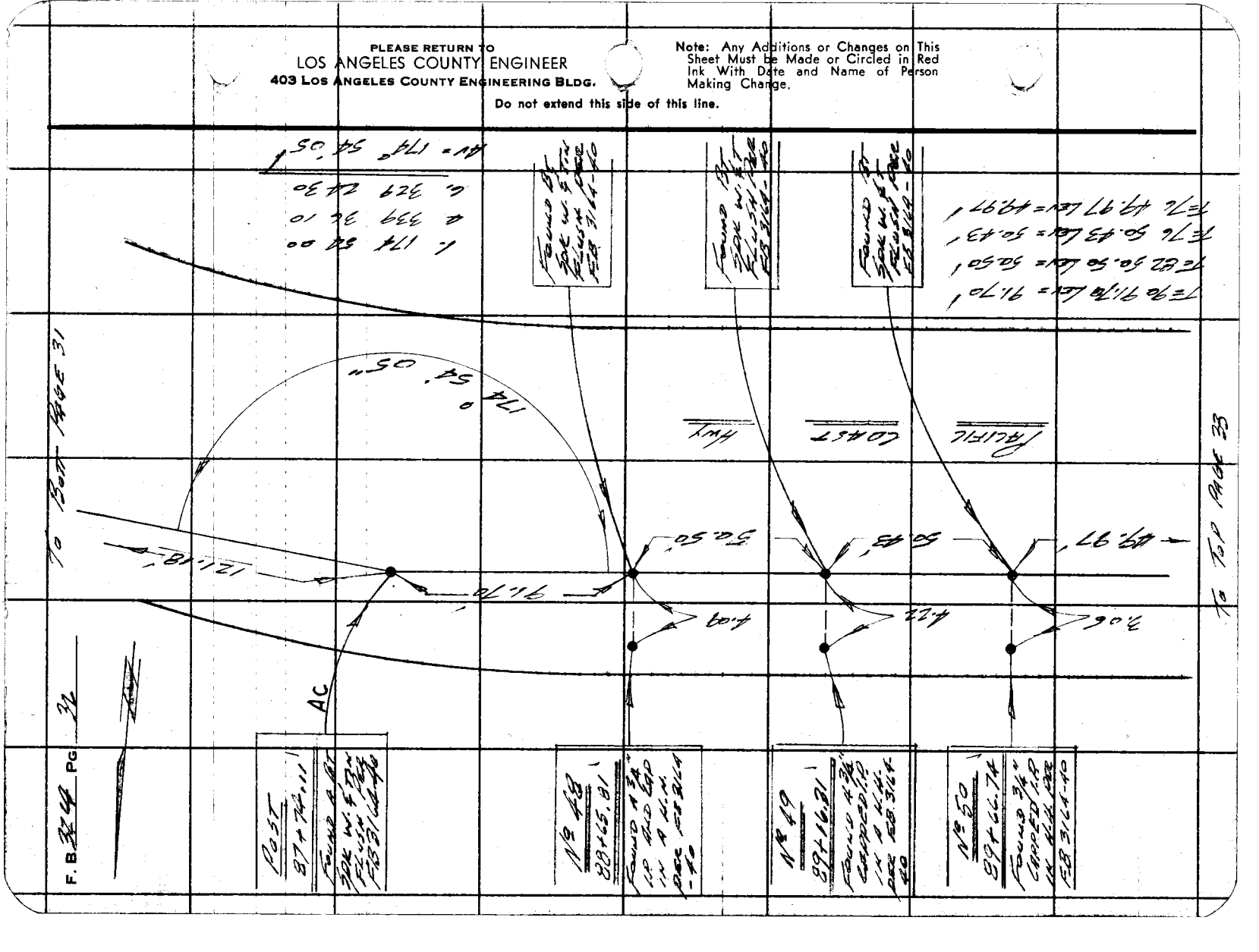

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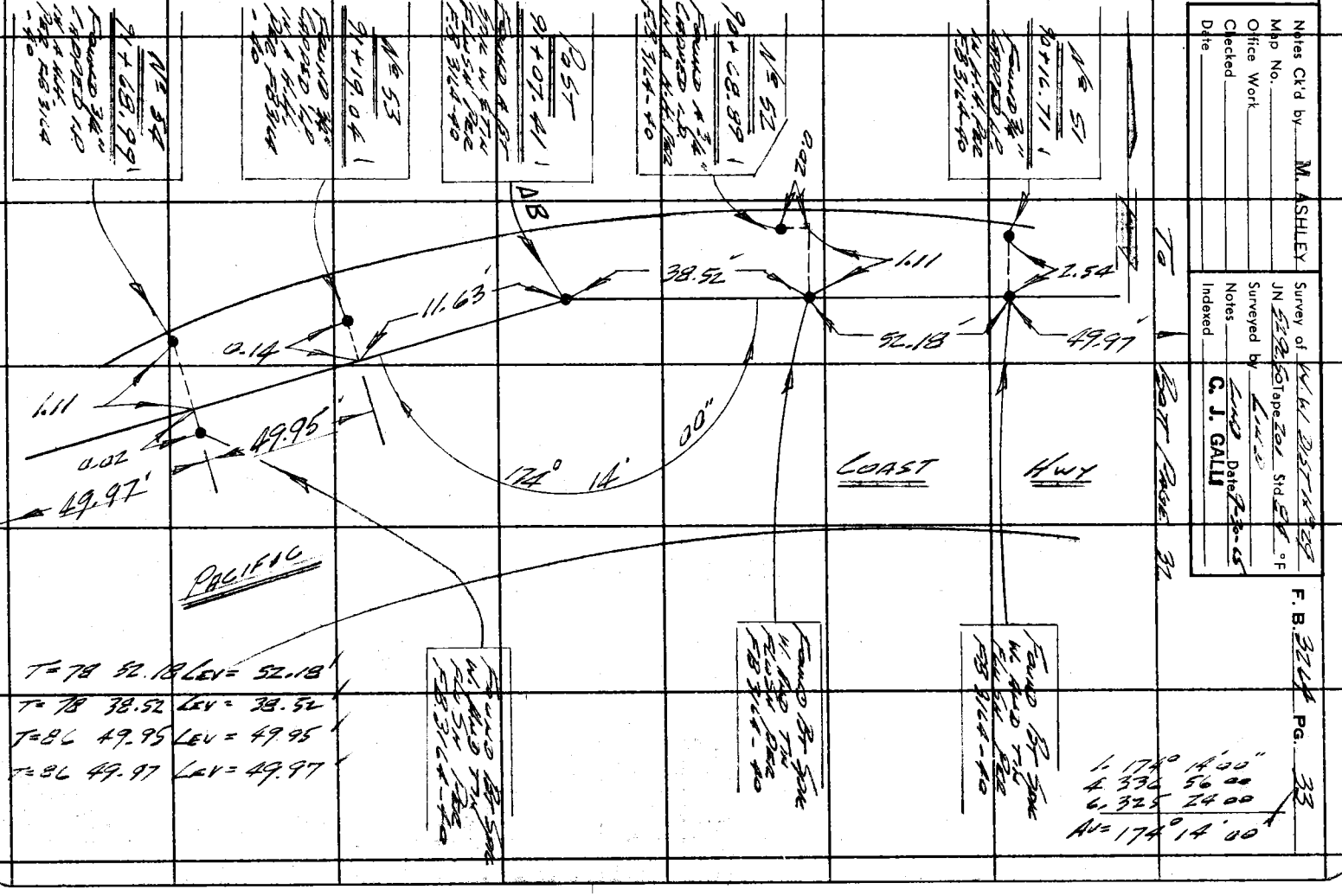
Map No.
Office Work
Checked
Date

Survey of W.W. Dist. #29
JN 5292 Tape 50' Std. 68° °F
Surveyed by Engr
Notes Date 2-20-65
Indexed C. J. GALLI

F. B. 3214 PG. 33


To
East Page 32
COAST
HWY
PACIFIC
To Top Page 34
1.11
0.02
49.95'
49.97'
174° 14' 00"
0.14
11.63'
38.52'
1.11
0.02
52.18'
2.54
49.97'
AB
Found 3/4" Iron Pipe Tagged RCE 13744 Flush
Found 3/4" Iron Pipe Tagged RCE 13744 Flush
Found 3/4" Iron Pipe Tagged RCE 13744 Flush

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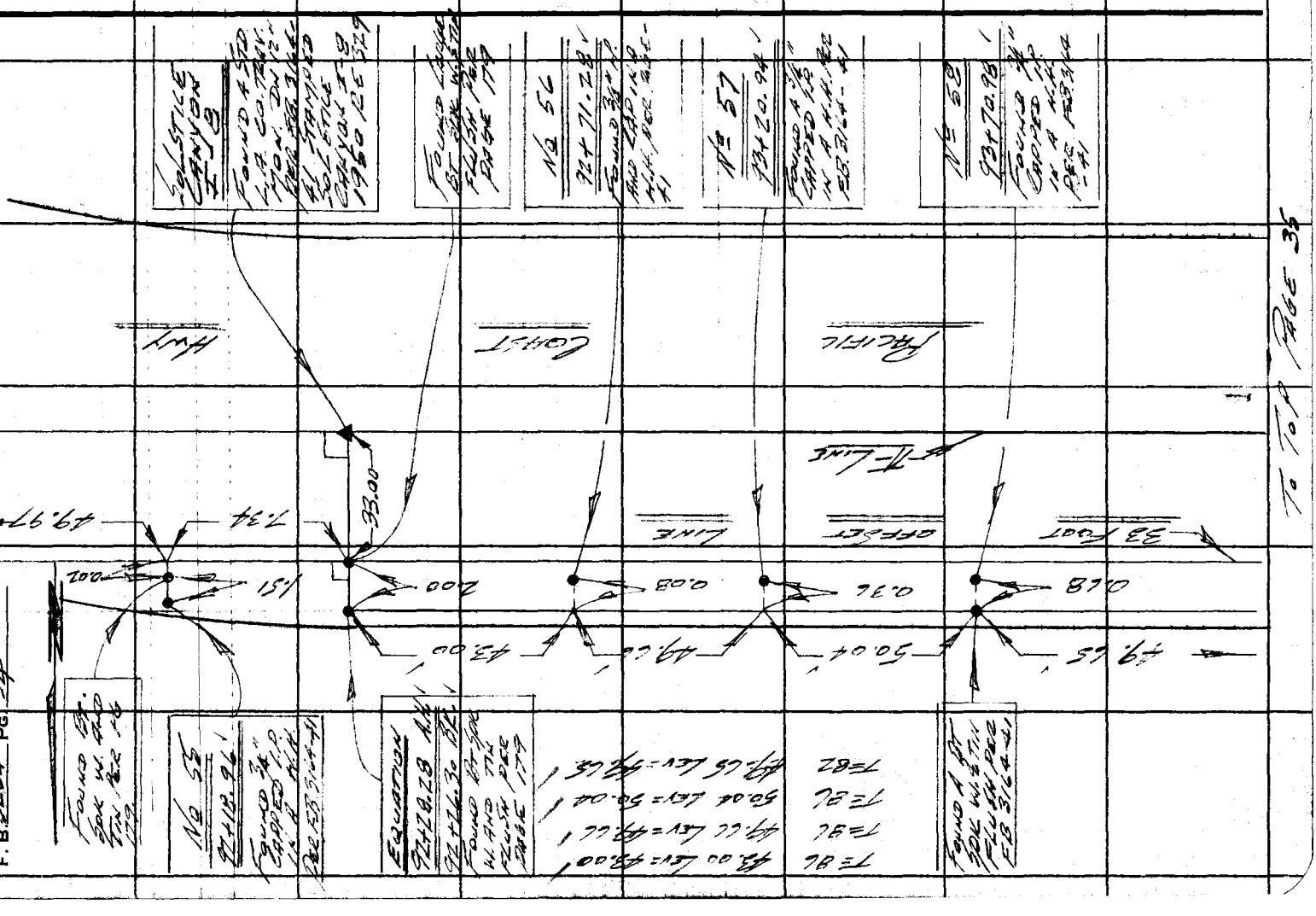

76F309S CE #310 6-63

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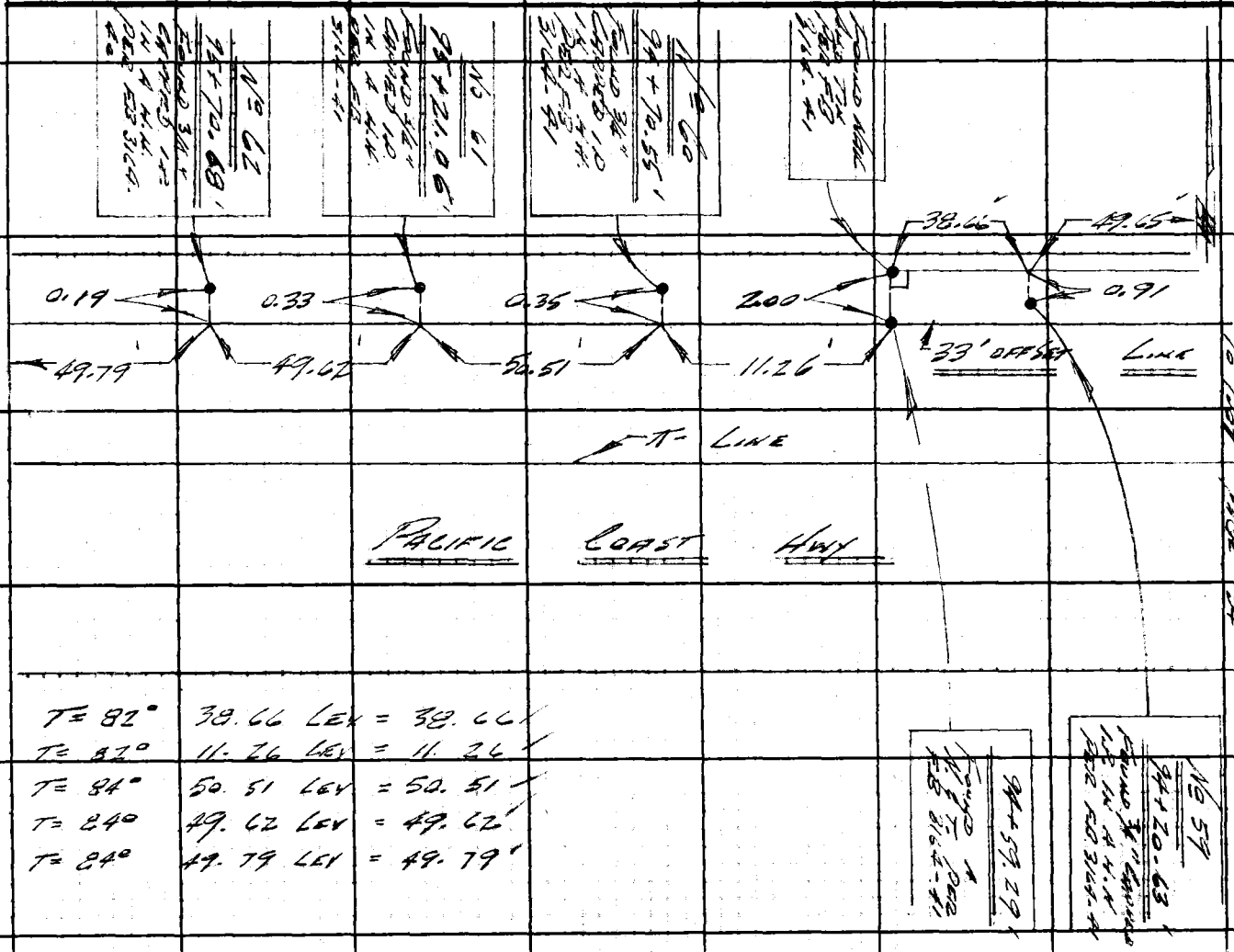
Notes Ck'd by
Map No.
Office Work
Checked
Date

Survey of
JN
Surveyed by
Notes
Indexed

F. B. Pg.



T = 82° 38.66 LEN = 38.66'
T = 87° 11.26 LEN = 11.26'
T = 84° 50.51 LEN = 50.51'
T = 84° 49.62 LEN = 49.62'
T = 84° 49.79 LEN = 49.79'

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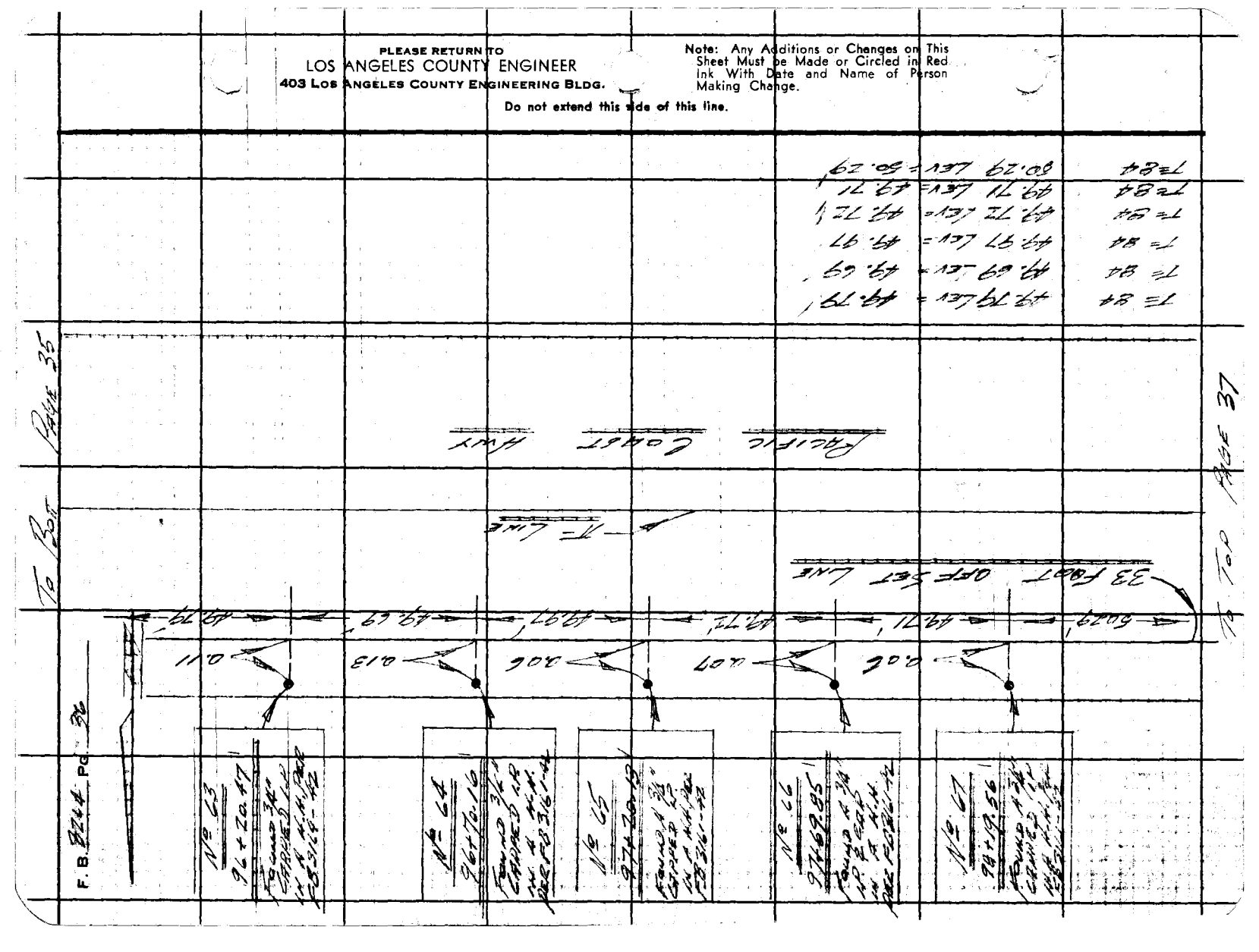
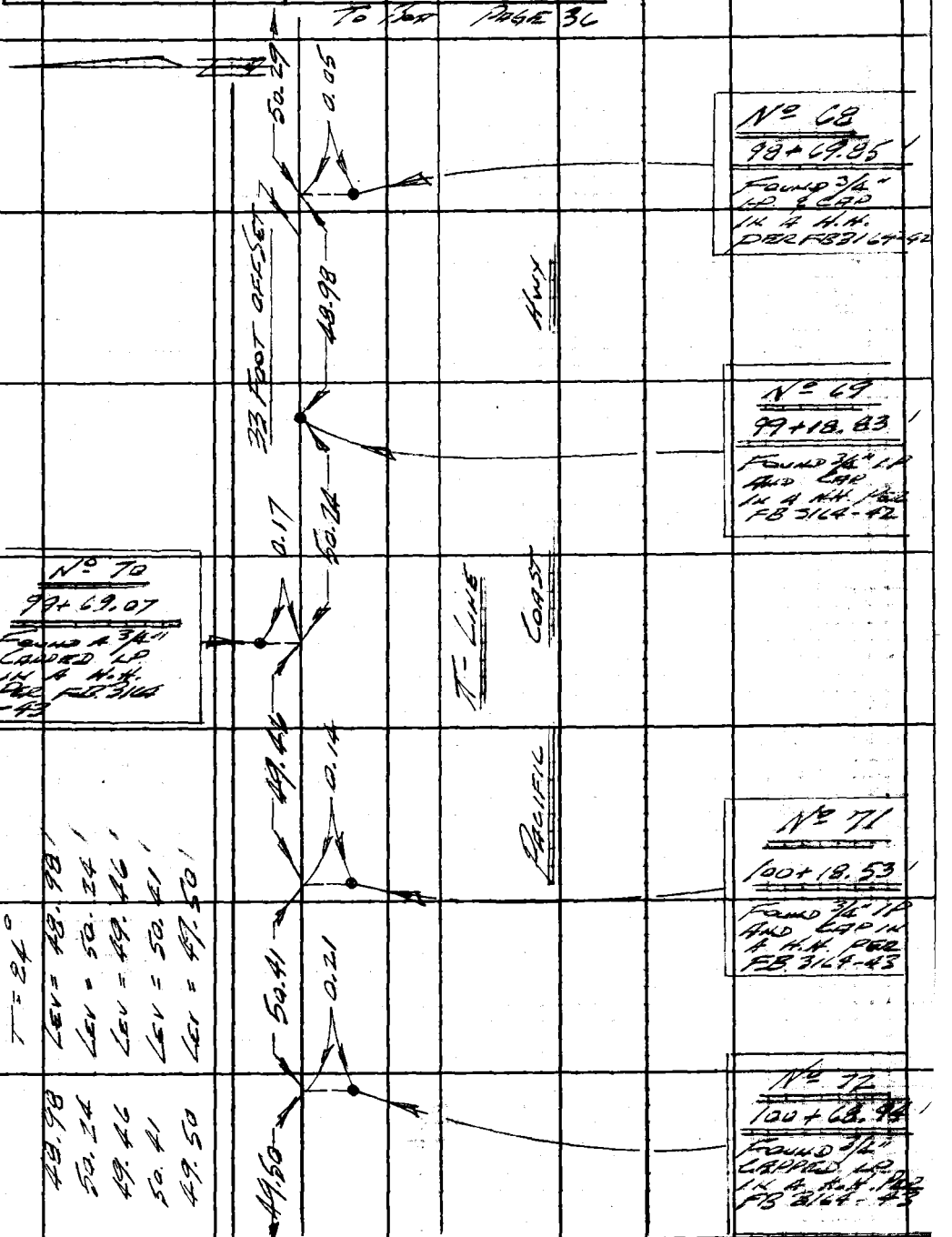
T=84	60.29 LEV = 137	60.29'
T=84	49.71 LEV = 137	49.71'
T=84	49.72 LEV = 137	49.72'
T=84	49.97 LEV = 137	49.97'
T=84	49.69 LEV = 137	49.69'
T=84	49.79 LEV = 137	49.79'



Notes Ck'd by M. ASHLEY	Survey of W.W. DIST # 29	F. B. 3164 PG. 37
Map No.	JN 5229.50 Tape 201 Std 84 °F	
Office Work	Surveyed by LIND	
Checked	Notes LIND Date 10-1-65	
Date	Indexed C. J. GALLI	

TO BOTT PAGE 36



Nº 68
98+69.85
FOUND 3/4" I.P. & CAP IN A H.H. PER FB 3164-42

Nº 69
99+18.83
FOUND 3/4" I.P. AND CAP IN A H.H. PER FB 3164-42

Nº 70
99+69.07
FOUND A 3/4" CAPPED I.P. IN A H.H. PER FB 3164-43

Nº 71
100+18.53
FOUND 3/4" I.P. AND CAP IN A H.H. PER FB 3164-43

Nº 72
100+68.94
FOUND 3/4" CAPPED I.P. IN A H.H. PER FB 3164-43

TO TOP PAGE 38

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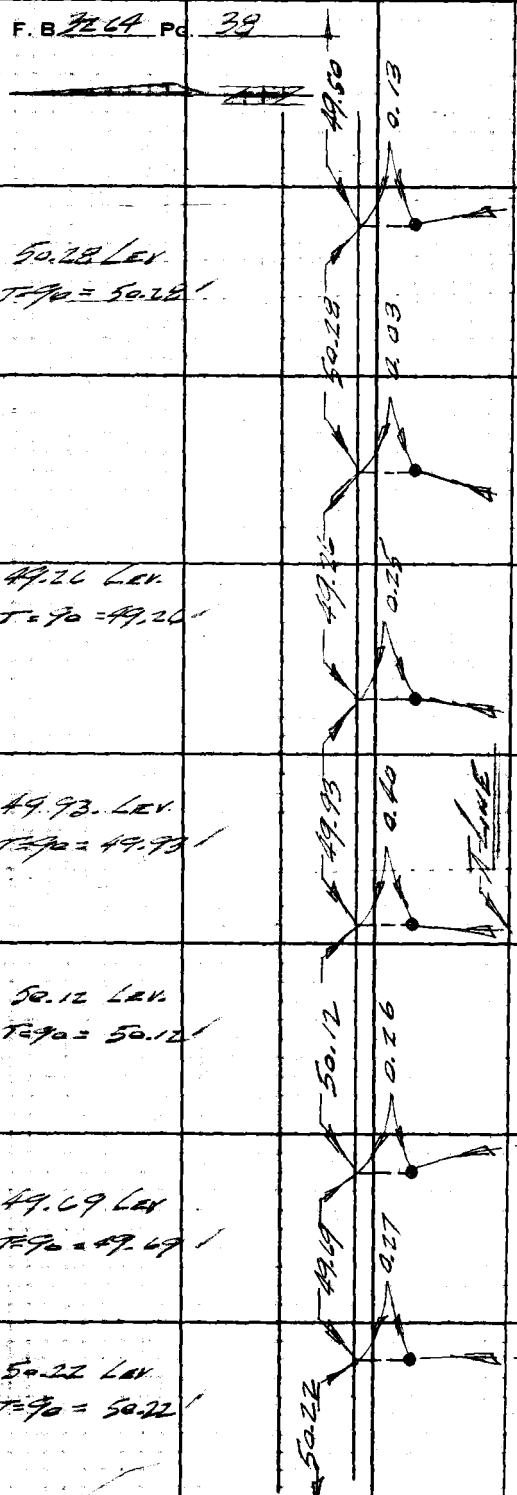
76F3098 CE #310 6-63

To Bot. Page 37

F. B. 3264 Pg. 38



50.28 Lev.
T=90 = 50.28

49.26 Lev.
T=90 = 49.26

49.93 Lev.
T=90 = 49.93

50.12 Lev.
T=90 = 50.12

49.69 Lev
T=90 = 49.69

50.22 Lev.
T=90 = 50.22

No 73
101+18.44
Found 3/4" Capped I.P. in a H.H. Per F.B. 3164-43

No 74
101+68.72
Found 3/4" Capped I.P. in a H.H. Per F.B. 3164-43
Note: Pipe is touching east of well

No 75
102+17.98
Found 3/4" Capped I.P. in a H.H. Per F.B. 3164-43

No 76
102+67.91
Found 3/4" Capped I.P. in a H.H. Per F.B. 3164-43

No 77
103+14.03
Found 3/4" I.P. and Cap in a H.H. Per F.B. 3164-44

No 78
103+67.72
Found 3/4" Capped I.P. in H.H. Per F.B. 3164-44

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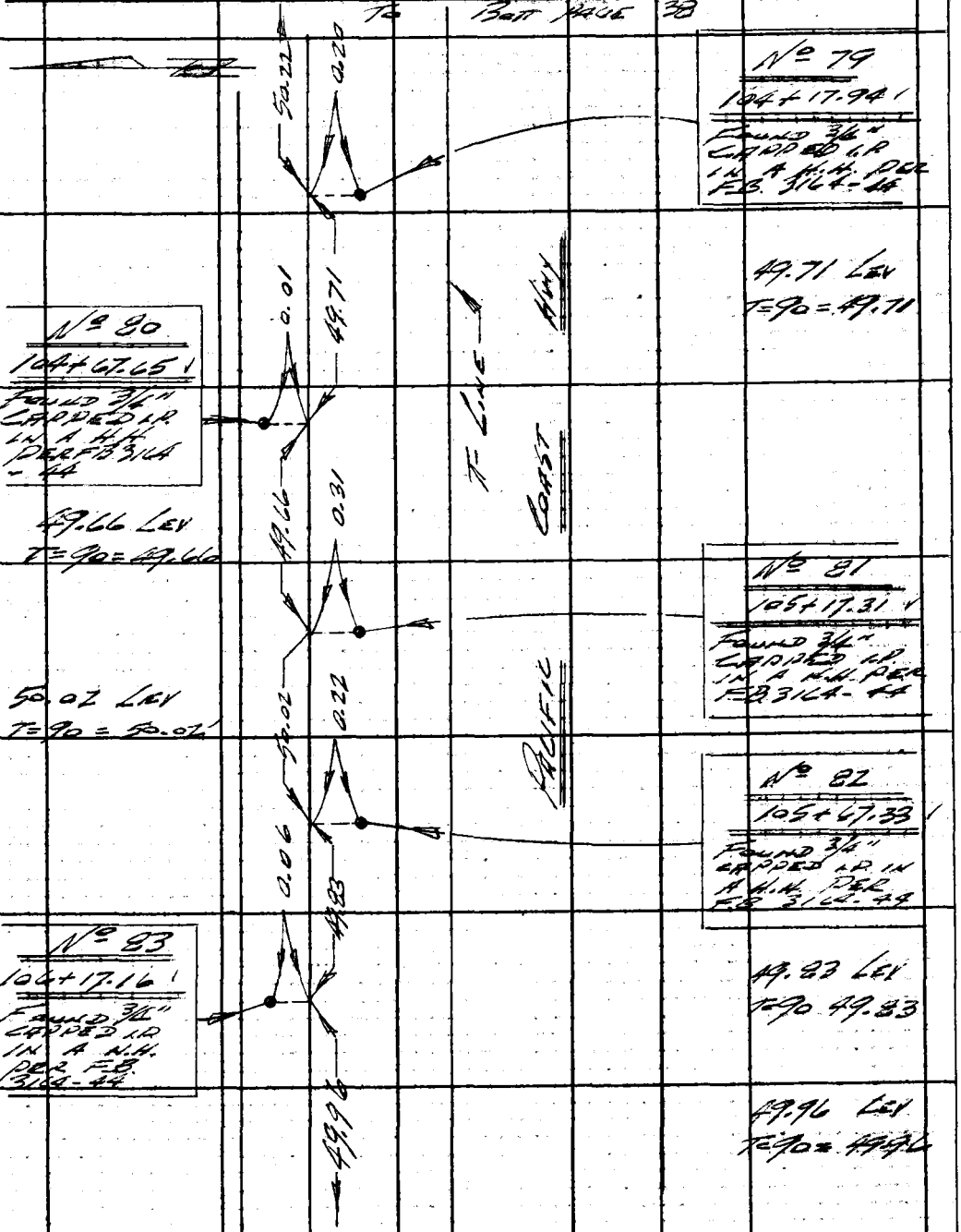
Notes Ck'd by M. ASHLEY	Survey of W.W. DIST # 29	F. B. 3264	PG. 39
Map No.	JN 5292.50 Tape 201 Std 84 °F		
Office Work	Surveyed by LIND		
Checked	Notes LIND Date 10-1-65		
Date	Indexed C. J. GALLI		

To Bott Page 38



To Top Page 40

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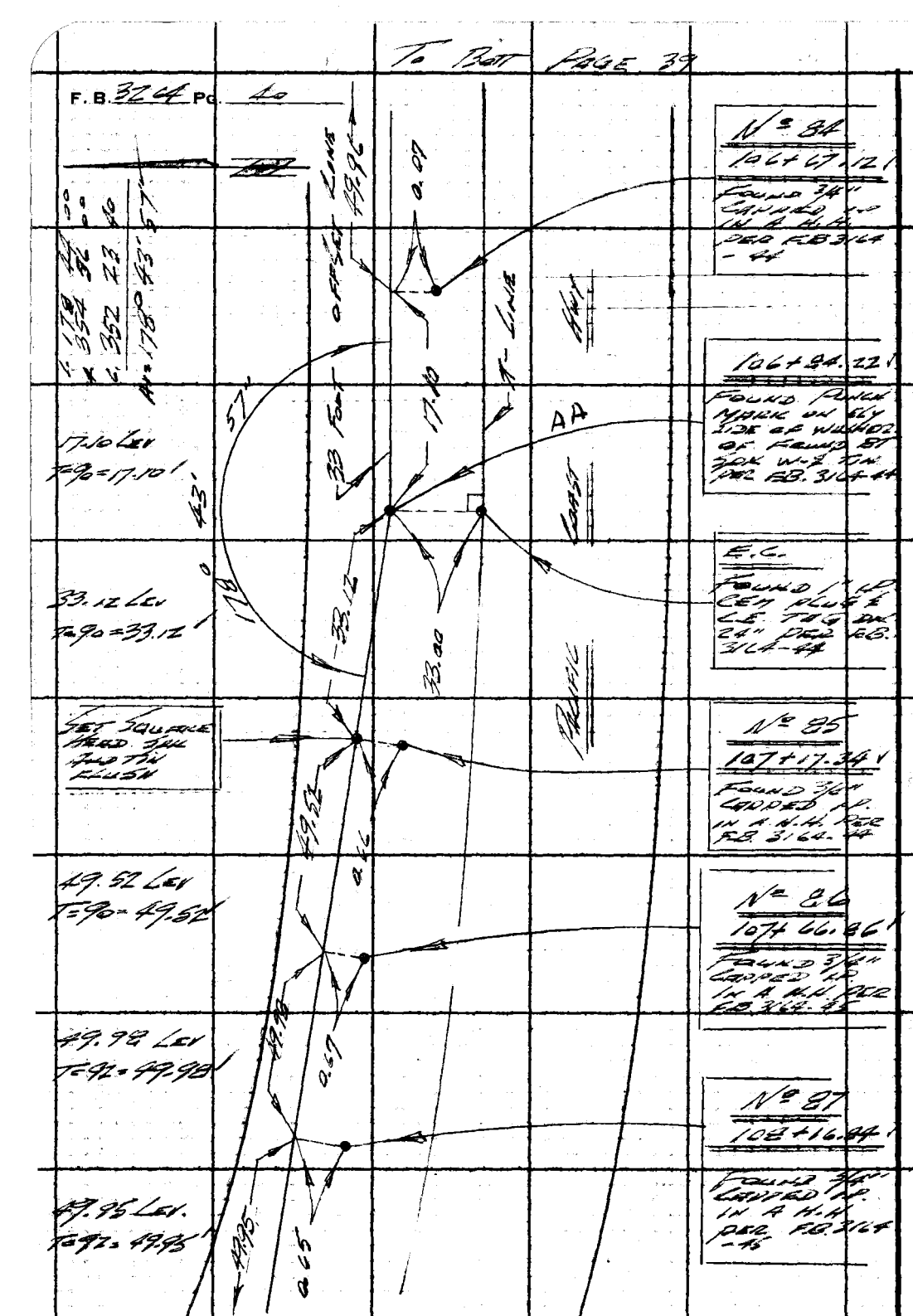
76F309S CE #310 6-63

To Bat Page 39

F. B. 3264 Pg. 40



To Top Page 41

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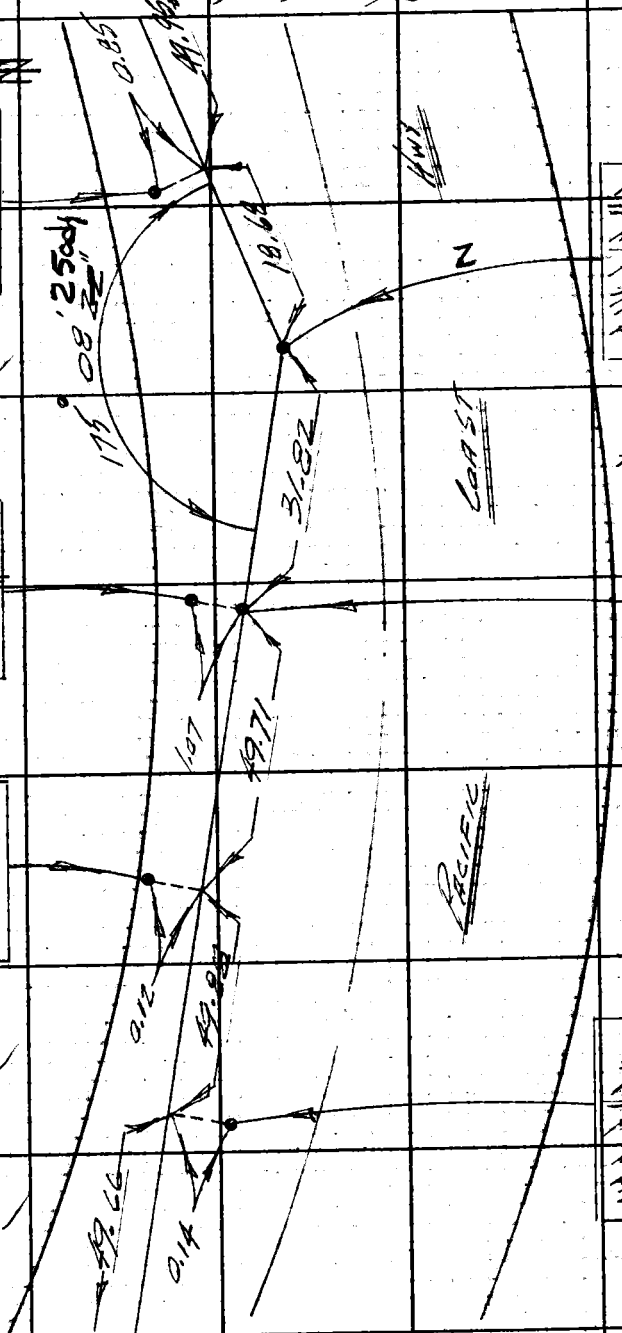
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by M. ASHLEY	Survey of W.W. DIST No 69	F. B. 3264	PG. 41
Map No.	JN 529250 Tape 201 Std 84 °F		
Office Work	Surveyed by LIND		
Checked	Notes LIND Date 10-4-65		
Date	Indexed C. J. GALLI		

To Bott PG 40

1. 175 08 00
4. 340 33 20
6. 330 50 10
Av = 175° 08' 22"



No 88
108+66.79'
FOUND 3/4" CAPPED I.P. IN A H.H. PER FB3164-45

18.68 LEV
T=92=18.68

No 89
109+17.29'
FOUND 3/4" I.P. & CAP IN A H.H. PER FB3164-45

No 90
109+67.00'
FOUND 3/4" I.P. AND CAP IN A H.H. PER FB3164-45

49.88 LEV
T=90=49.88

49.66 LEV
T=90=49.66

108+85.47'
ANGLE POINT
FOUND 3/4" SPK W/ ST. FLUSH PER FB3164-45

31.82 LEV
T=90=31.82

SET SQ. HD. SPK AND TIN FLUSH

49.71 LEV
T=90=49.71

No 91
110+16.88'
FOUND 3/4" I.P. AND CAP IN A H.H. PER FB 3164-45

To TOP PAGE 42

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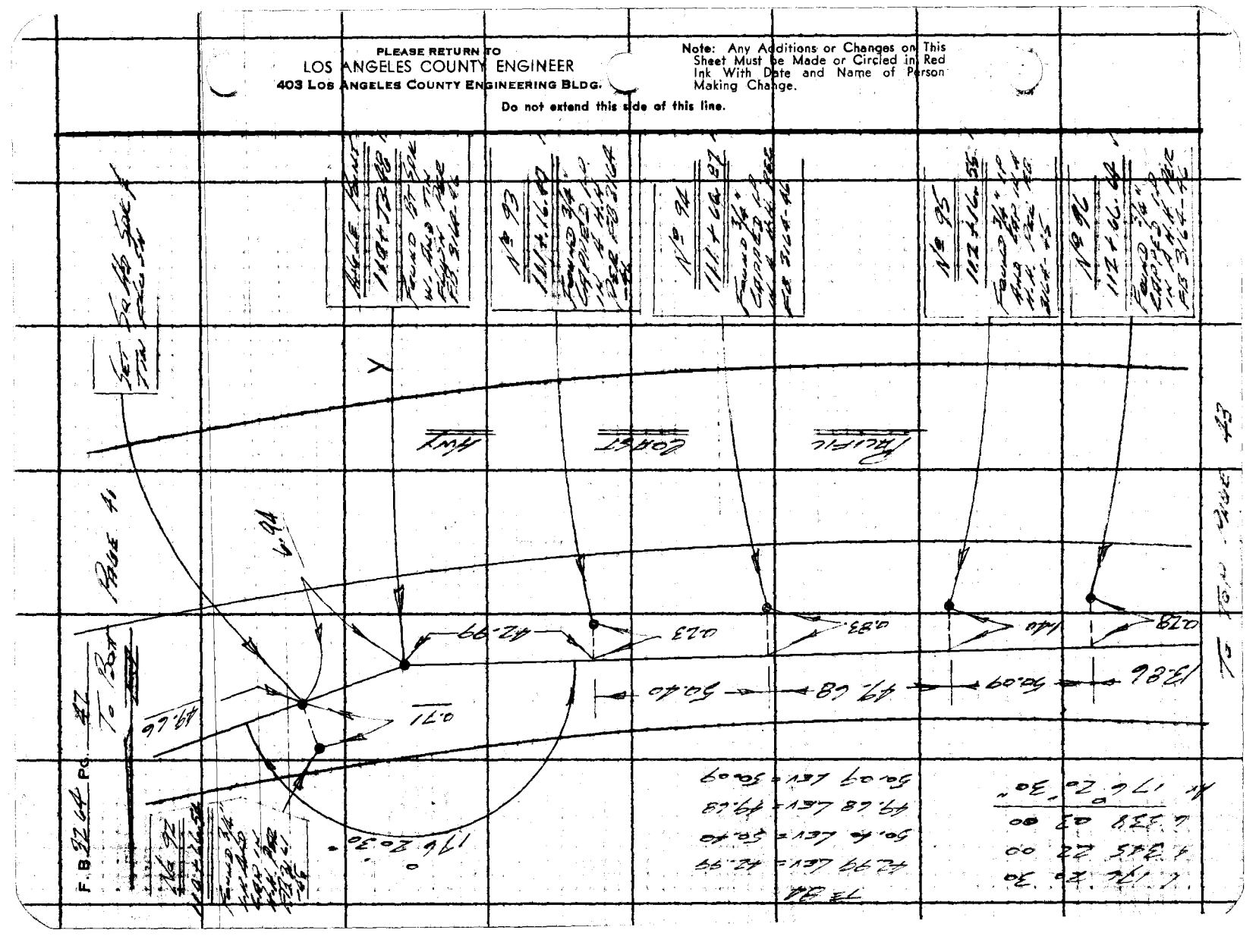
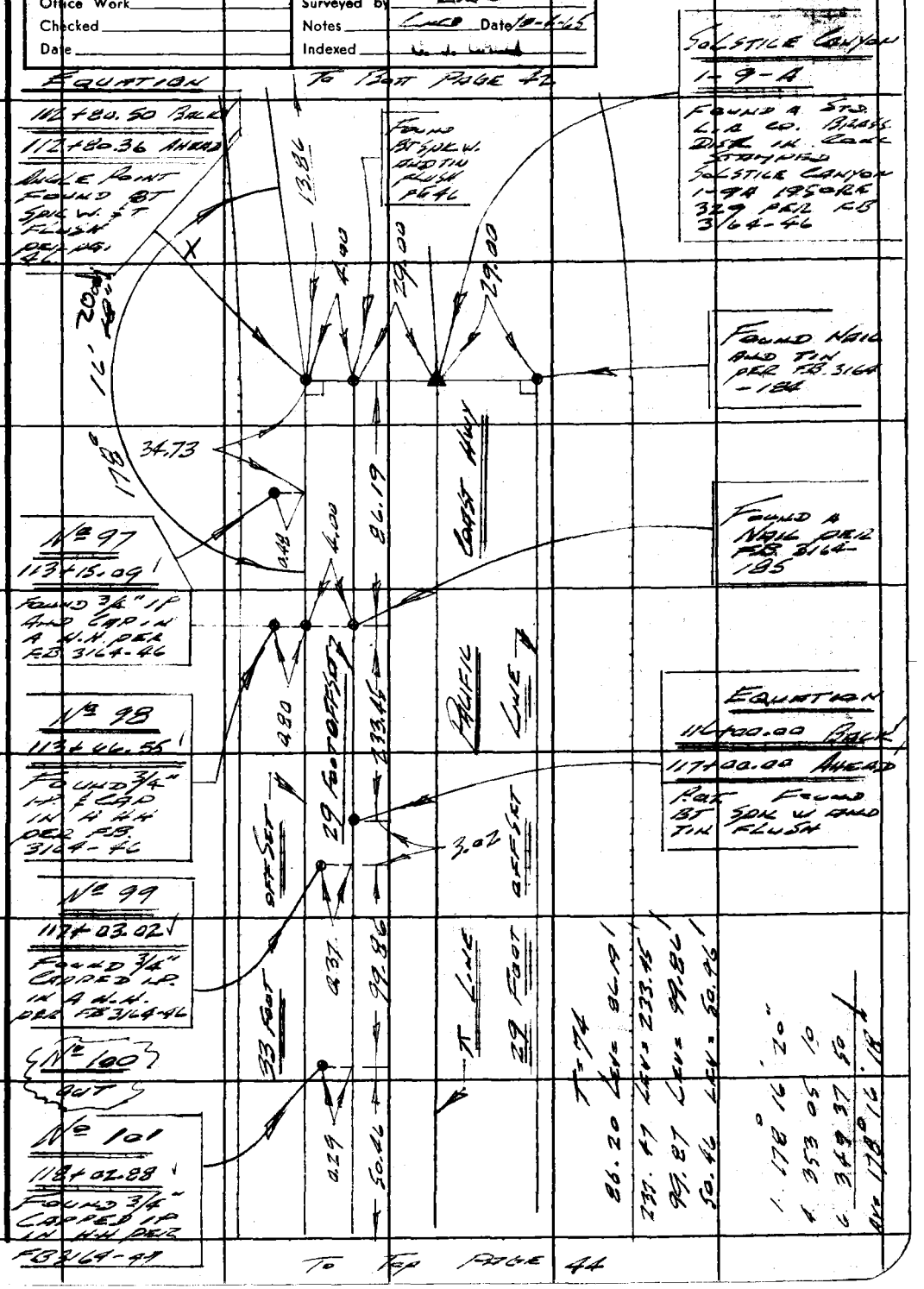


Notes Ck'd by M. ASHLEY	Survey of W.W. DIST #29	F. B. 3264 PG. 43
Map No.	JN 5292.57 Tape 201 Std 89 °F	
Office Work	Surveyed by LIND	
Checked	Notes LIND Date 10-4-65	
Date	Indexed [illegible]	



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76F309S CE #310 6-63

F. B. 3264 Pg. 44

To Bot Page 43

To Top Page 45

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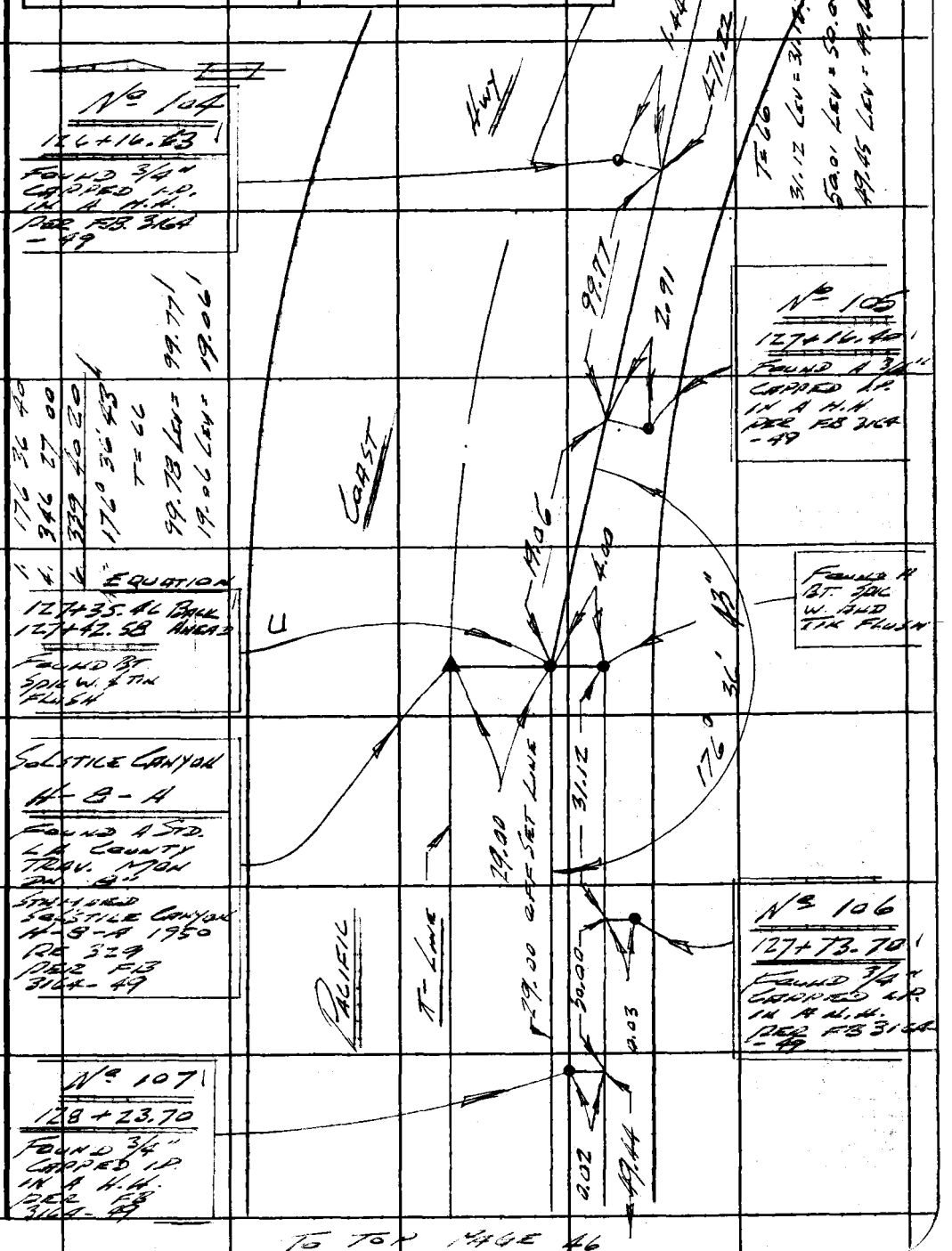
Notes Ck'd by M. ASHLEY	Survey of W.W. DIST No 29	F. B. 3264	PG. 45
Map No.	JN 529287 Tape 201 Std 84 °F	To Bott Page 44	
Office Work	Surveyed by LIND		
Checked	Notes LIND Date 10-4-65		
Date	Indexed C. J. GALL		



To Top Page 46

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76F309S CE #310 6-63

F. B. 3264 Pg. 46

To Bott Page 45

33 Foot Offset Line

29 Foot Offset Line

T = 66
49.45 Lev = 49.44
49.59 Lev = 49.58
50.32 Lev = 50.31
50.76 Lev = 50.75
49.40 Lev = 49.39
50.03 Lev = 50.02

Hwy

Coast

Pacific

T Line

49.44 0.23

49.58 0.25

50.31 0.07

0.12 50.75

0.08 49.39

50.02

No 108
128+73.14
Found 3/4" I.P. and Cap in a H.H. per F.B. 3164-49

No 109
129+22.72
Found 3/4" Capped I.P. in a H.H. per F.B. 3164-49

No 110
129+73.03
Found 3/4" Capped I.P. in a H.H. per F.B. 3164-49

No 111
130+23.78
Found 3/4" Capped I.P. in a H.H. per F.B. 3164-49

No 112
130+73.17
Found 3/4" Capped I.P. in a H.H. per F.B. 3164-49

To Top Page 47

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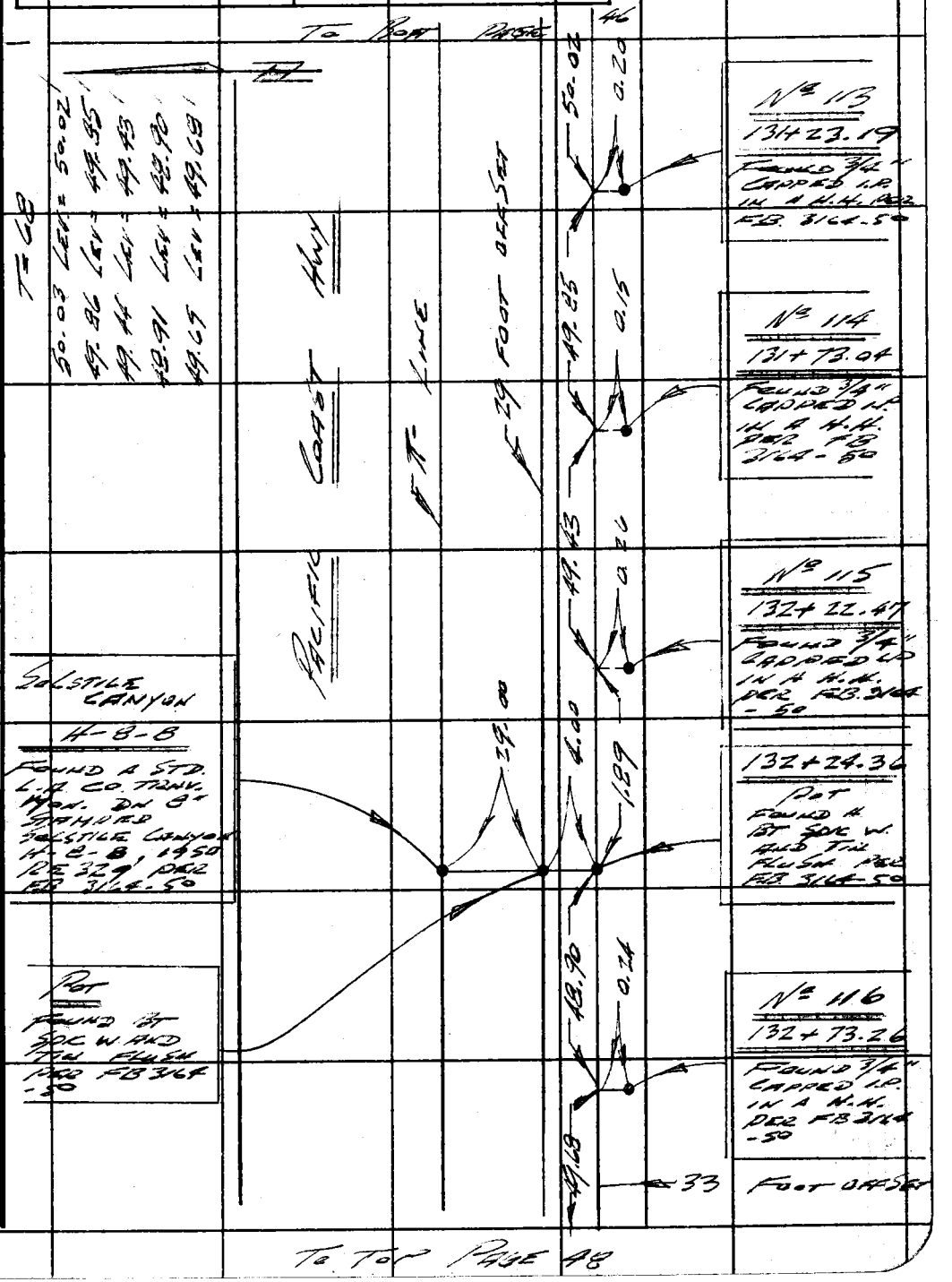
Notes Ck'd by M. ASHLEY	Survey of H.W. DIST No 29
Map No.	JN 5292-27 Tape 201 Std 84 °F
Office Work	Surveyed by LIND
Checked	Notes LIND Date 10-5-65
Date	Indexed C. J. GALLI

F. B. 3164 PG. 47



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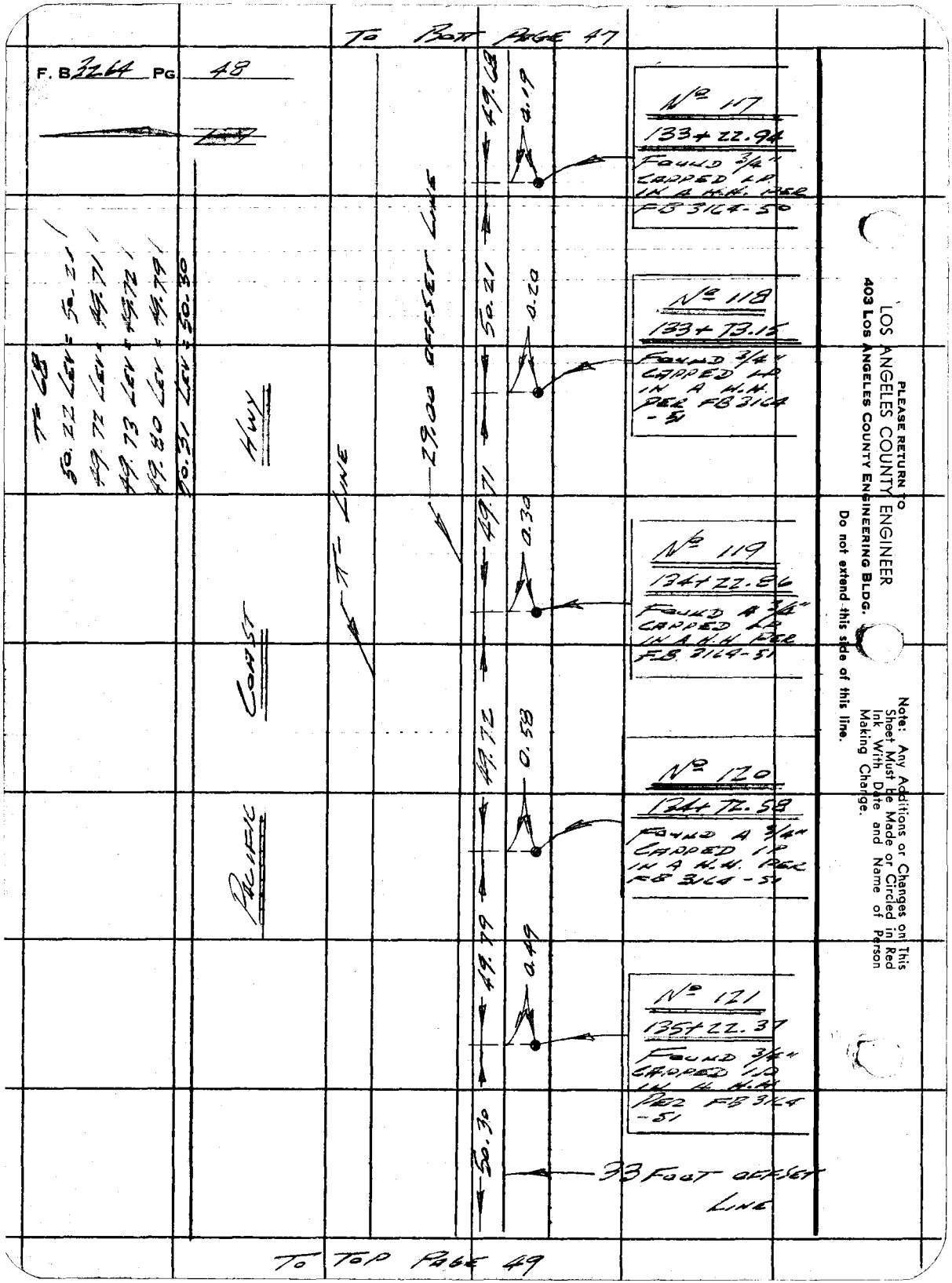
76F3095 CE # 310 3-61



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Notes Ck'd by M. ASHLEY	Survey of W. W. No 29	F. B. 3264	PG. 49
Map No.	JN 5292.87 Tape 201 Std 84 °F		
Office Work	Surveyed by LIND		
Checked	Notes LIND Date 10-5-65		
Date	Indexed C. J. CALLI		

TO BOTT PAGE 48

33 FOOT OFFSET LINE

29 FOOT OFFSET LINE

50.30 0.48

No 122
135+72.67
FOUND 3/4" IP AND CAP IN A H.H. PER FB 3164-51

T=68
50.31 LEV
= 50.30'

50.30 0.52

No 123
136+22.97
FOUND 3/4" CAPPED I.P. IN A H.H. PER FB 3164-51

T=68
49.55 LEV
= 49.54'

HWY

COAST

PACIFIC

T-LINE

49.54 0.65

No 124
136+72.51
FOUND 3/4" CAPPED I.P. IN A H.H. PER FB 3164-51

T=68
53.24 LEV.
= 53.23'

53.23 0.88

No 125
137+25.74
FOUND 3/4" CAPPED I.P. IN A H.H. PER FB 3164-52

T=68
46.55 LEV
= 46.55'

46.55 0.94

No 126
137+72.29
FOUND 3/4" CAPPED IP IN A H.H. PER FB 3164-52

T=68
53.72 LEV
= 53.72'

53.72

TO TOP PAGE 50

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76F309S CE # 310 3-61

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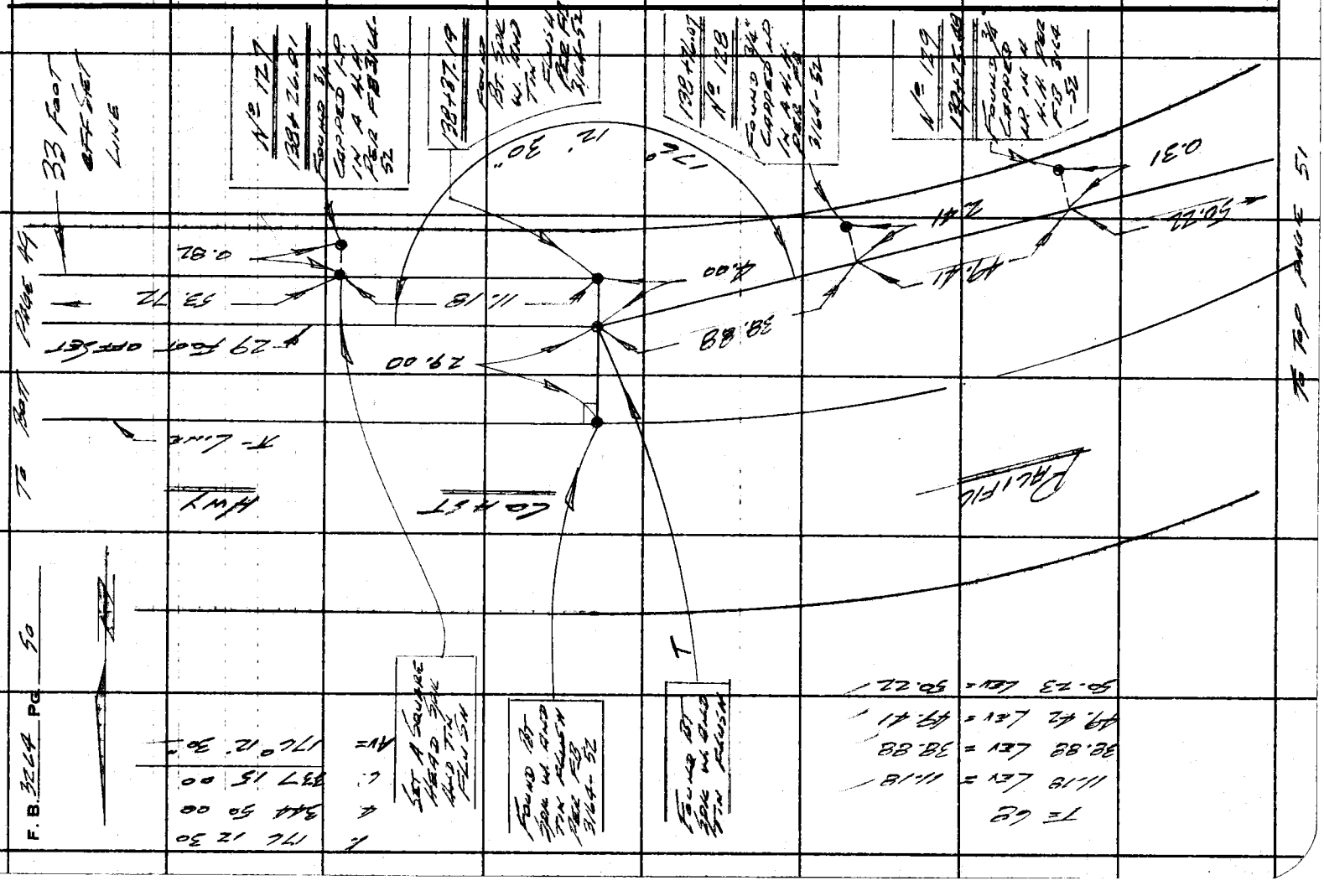
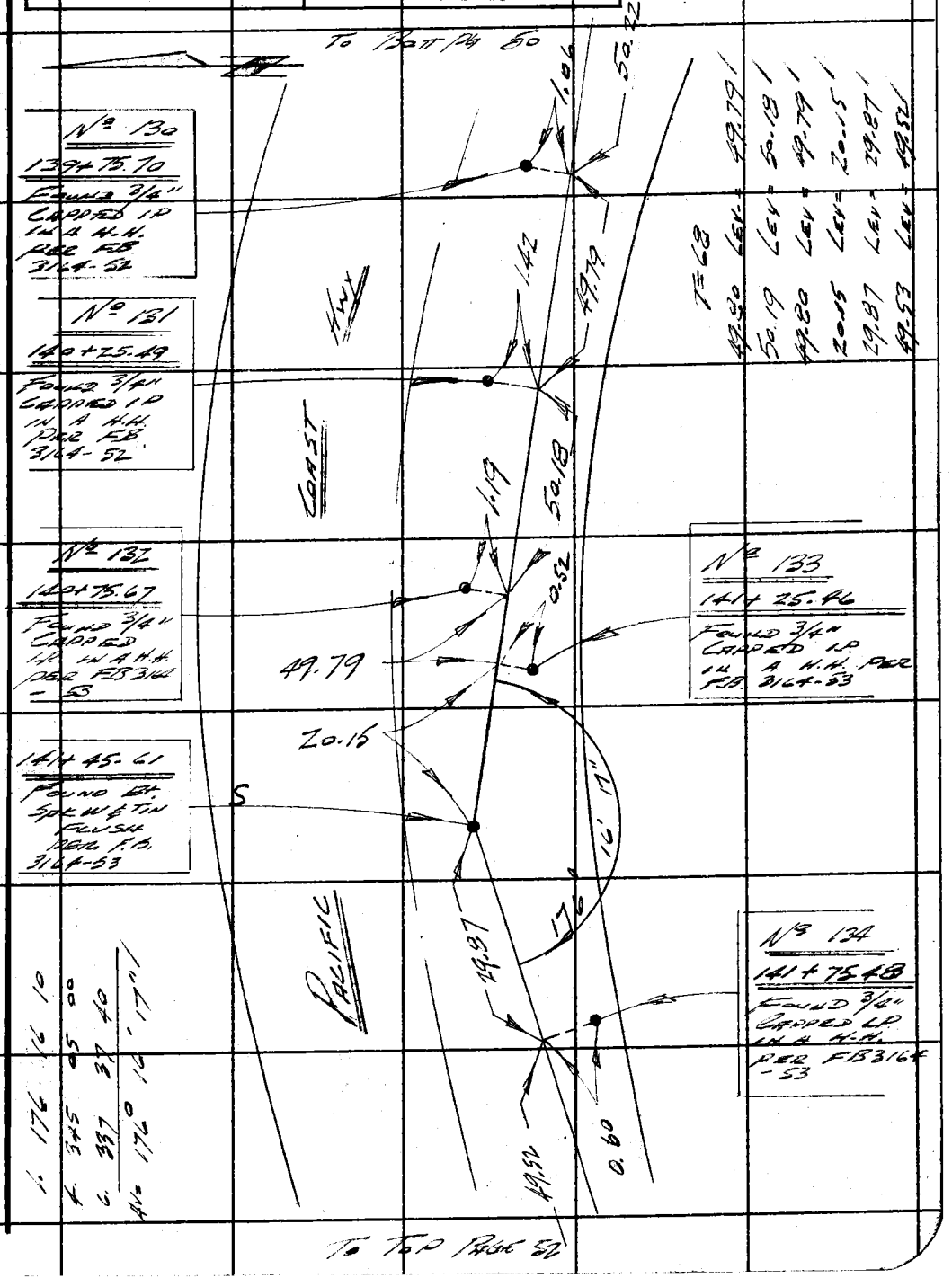


F.B. 3244 PG. 50

Notes Ck'd by M. ASHLEY	Survey of W.W. DIST No 29	F. B. 3264	PG. 51
Map No.	JN 52 92.87 Tape 201 Std 91 °F		
Office Work	Surveyed by LIND		
Checked	Notes LIND Date 10-15-65		
Date	Indexed C. J. GALLI		



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76F309S CE # 310 3-61

F. B 3214 PG 52

To Bot Page 51

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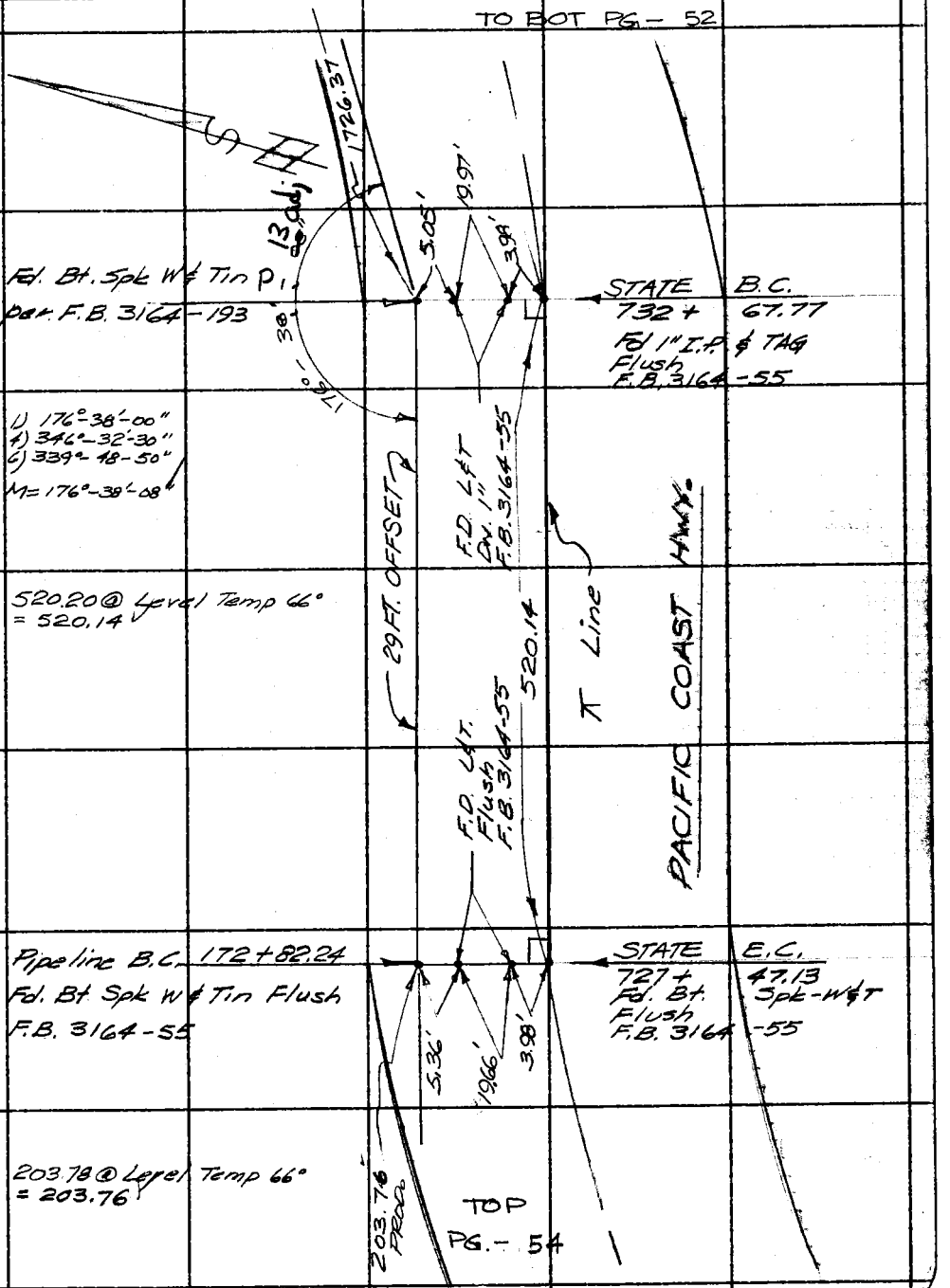
To Top Page 53

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

Survey of W.W. DIST Nº 29
JN 5292.87 Tape 201 Std 84 °F
Surveyed by C.K. LIND
Notes DOVER Date 10/13/65
Indexed C. J. GALLI

F. B. 3264 Pg. 53

TO BOT PG.- 52



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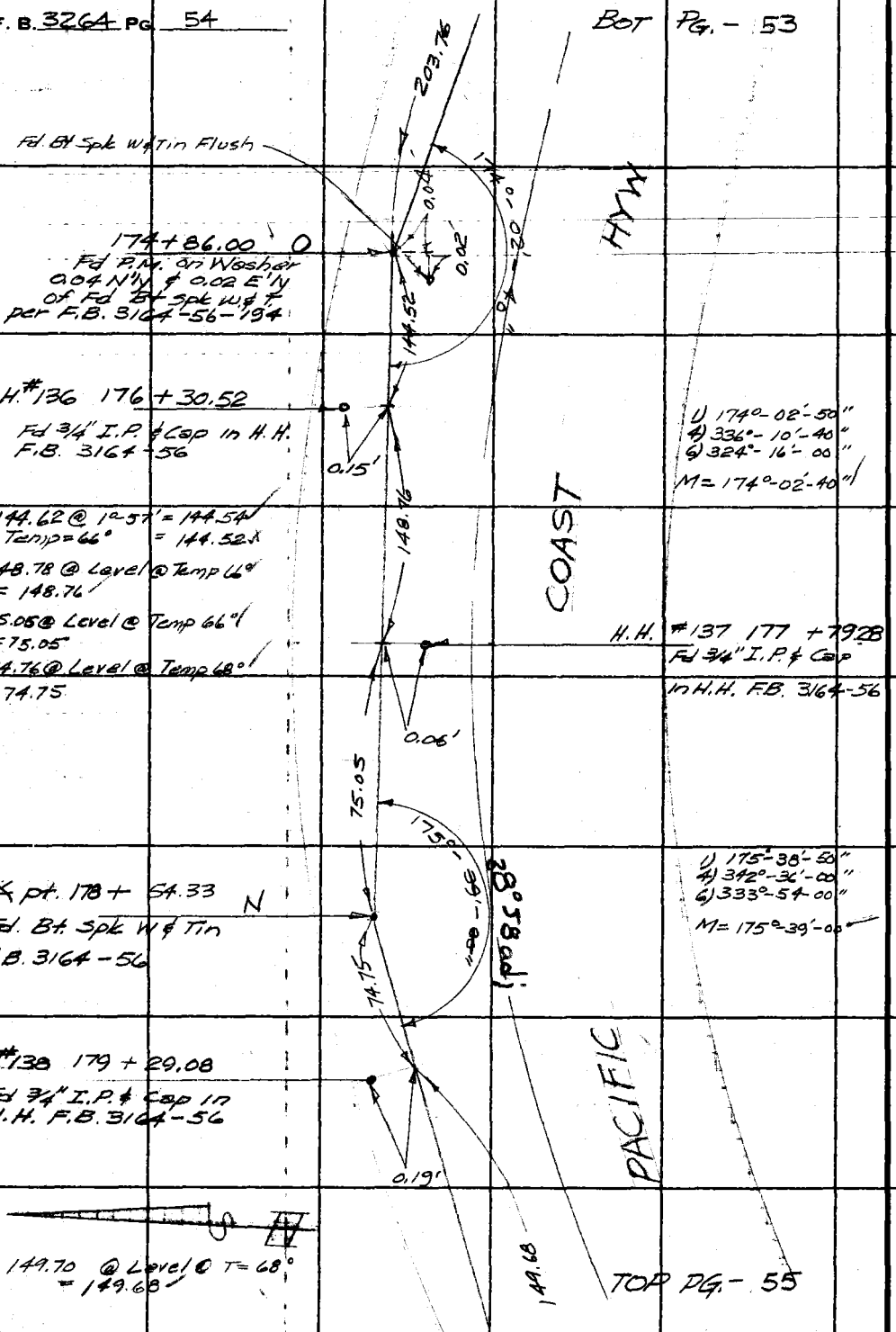
76F3095 CE # 310 3-61

F. B. 3264 PG. 54

BOT PG. – 53



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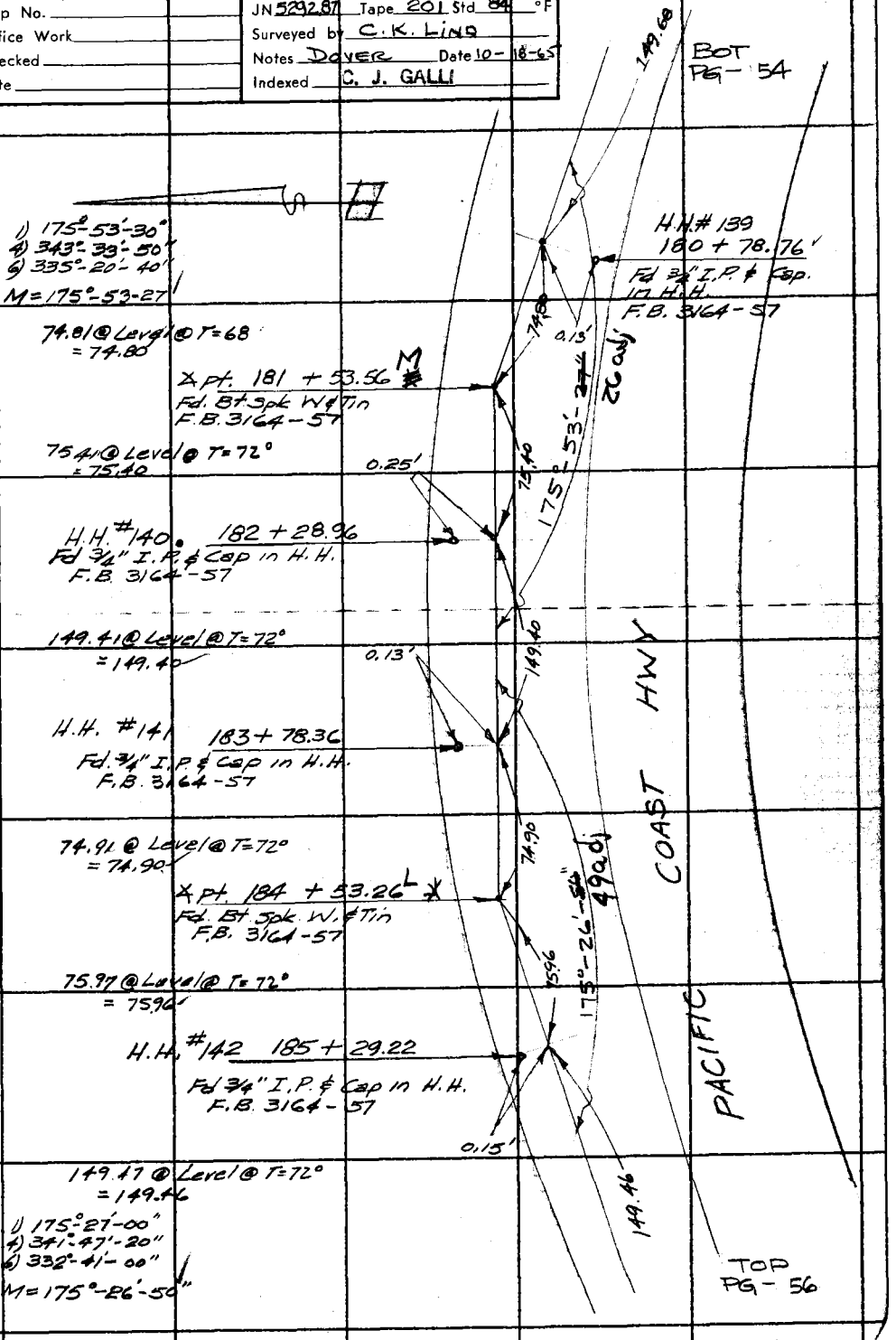
Notes Ck'd by M. ASHLEY
Map No.
Office Work
Checked
Date

Survey of N.W. DIST Nº 29
JN 5292.87 Tape 201 Std 84 °F
Surveyed by C.K. LIND
Notes Dover Date 10-18-65
Indexed C. J. GALLI

F. B. 3264 PG. 55



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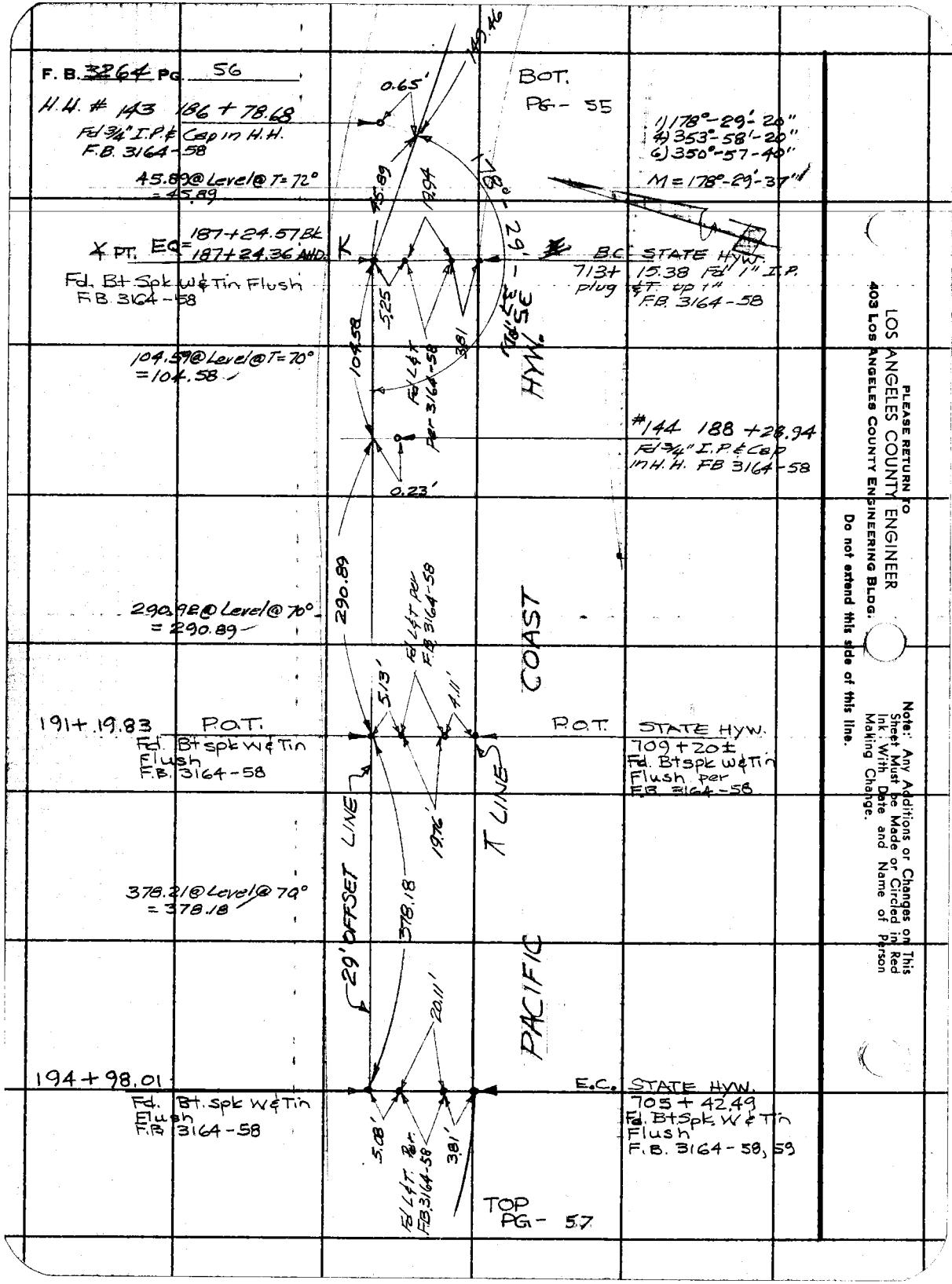

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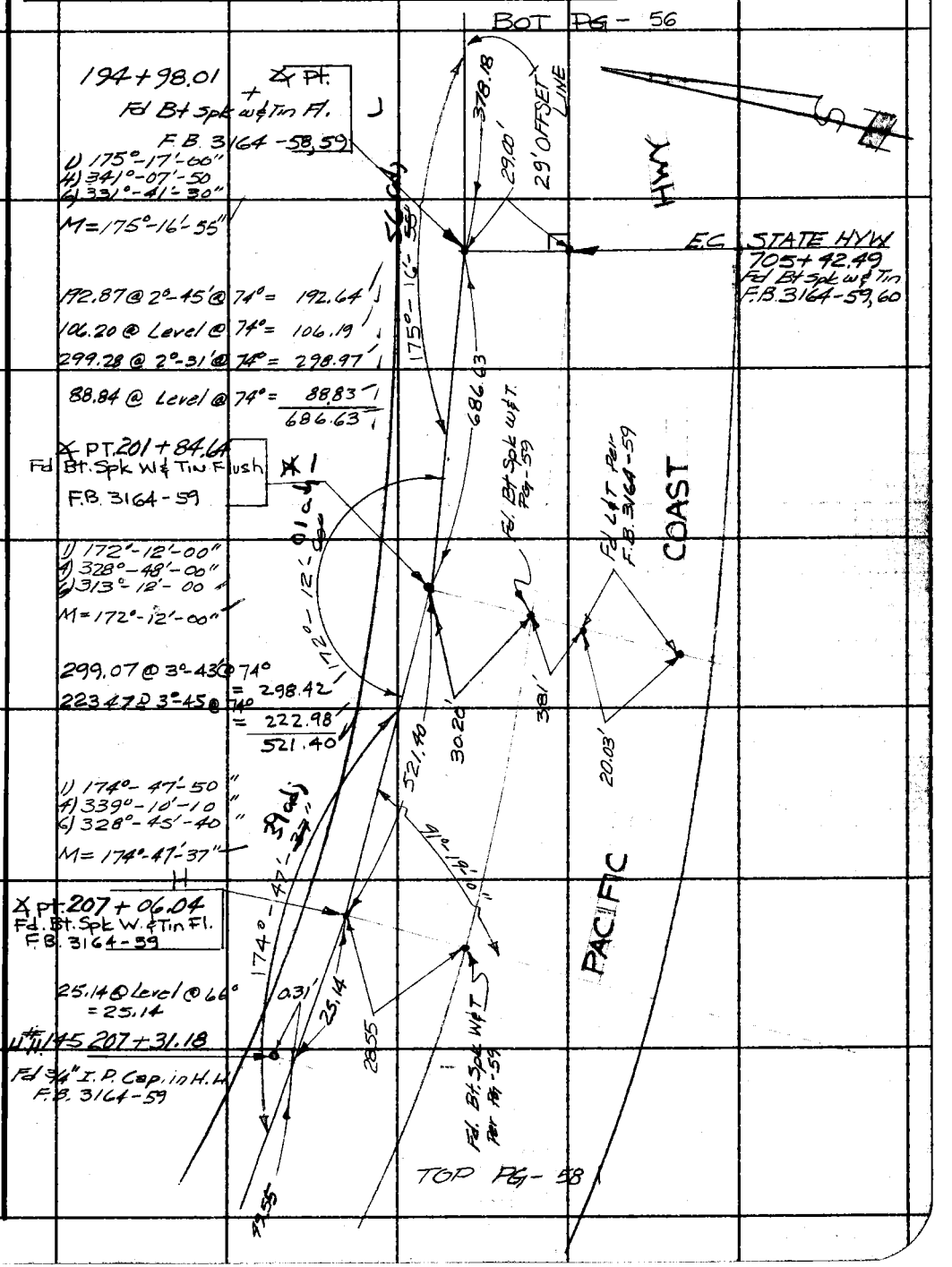
Notes Ck'd by M. ASHLEY	Survey of W. W. DIST No 29	F. B. 3264 PG. 57
Map No.	JN 5292.87 Tape 201 Std 84 °F	
Office Work	Surveyed by C. K. LINO	
Checked	Notes Dover Date 10-18-65	
Date	Indexed C. J. GALLI	



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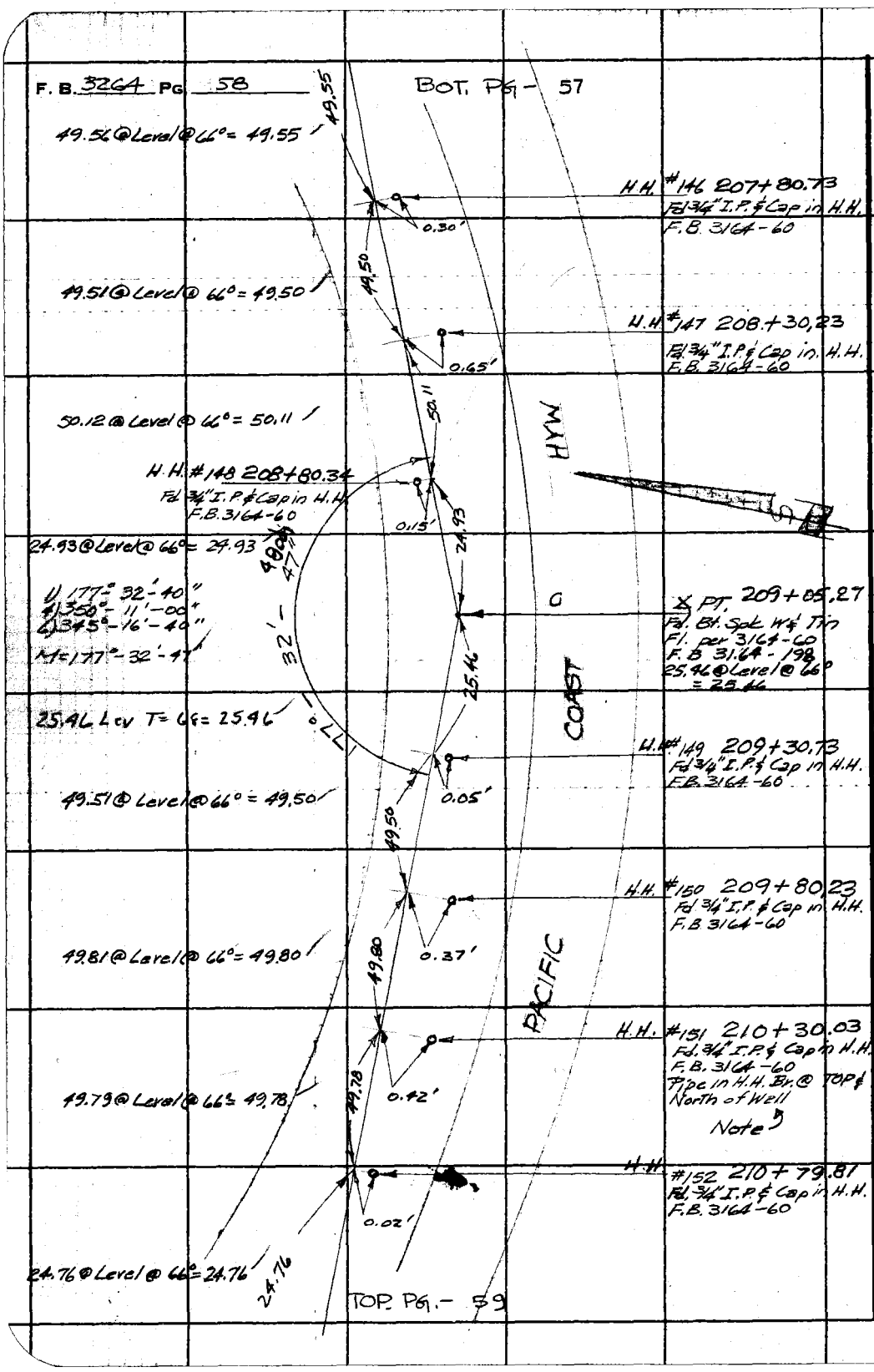
76F309S CE # 310 3-61



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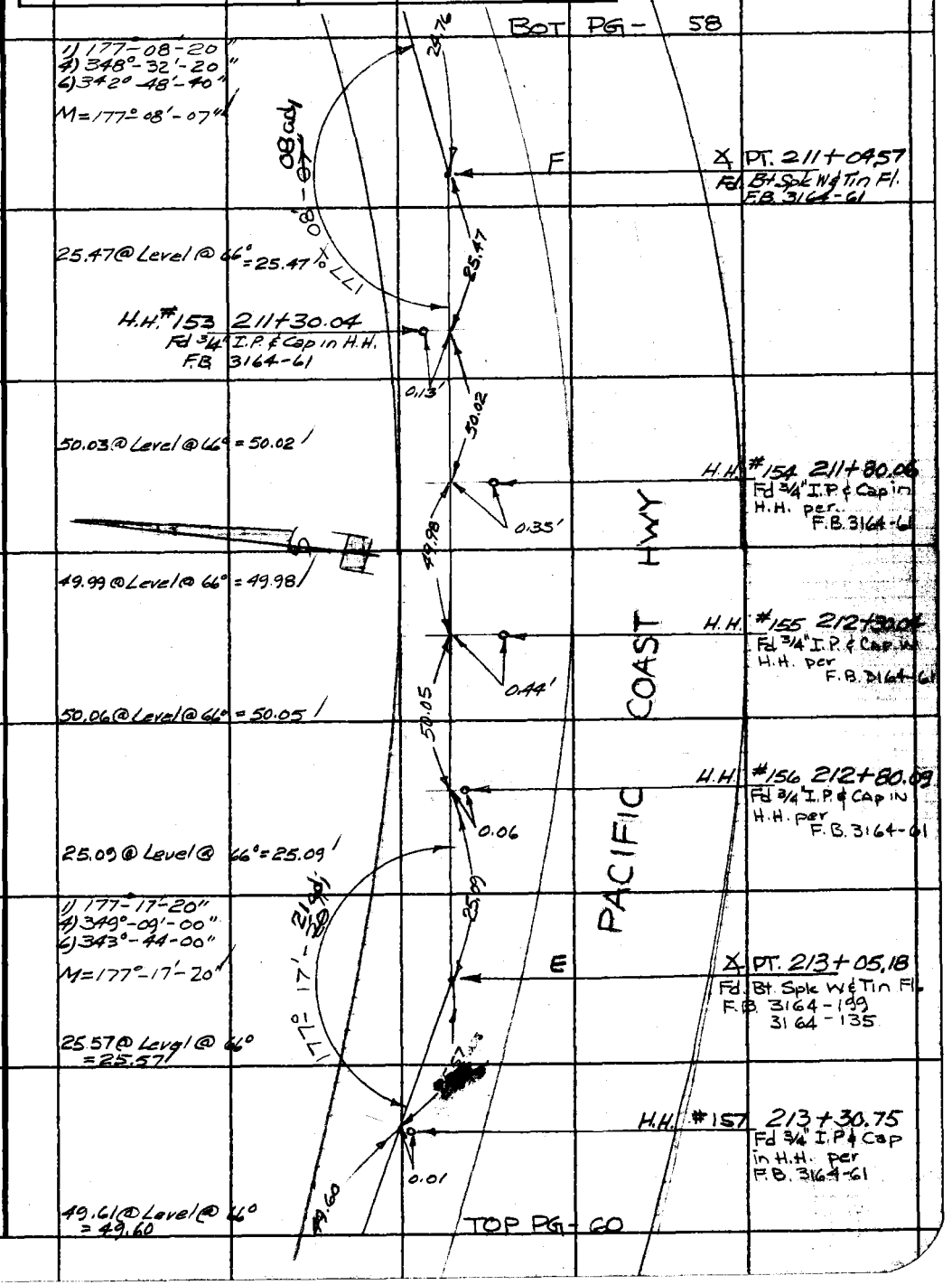
Notes Ck'd by M. ASHLEY	Survey of W.W. DIST. No 29	F. B. 3264	PG. 59
Map No.	JN 5292.87 Tape 201 Std 84 °F		
Office Work	Surveyed by C. K. LIND		
Checked	Notes Dover J. GALLI Date 10-19-65		
Date	Indexed		



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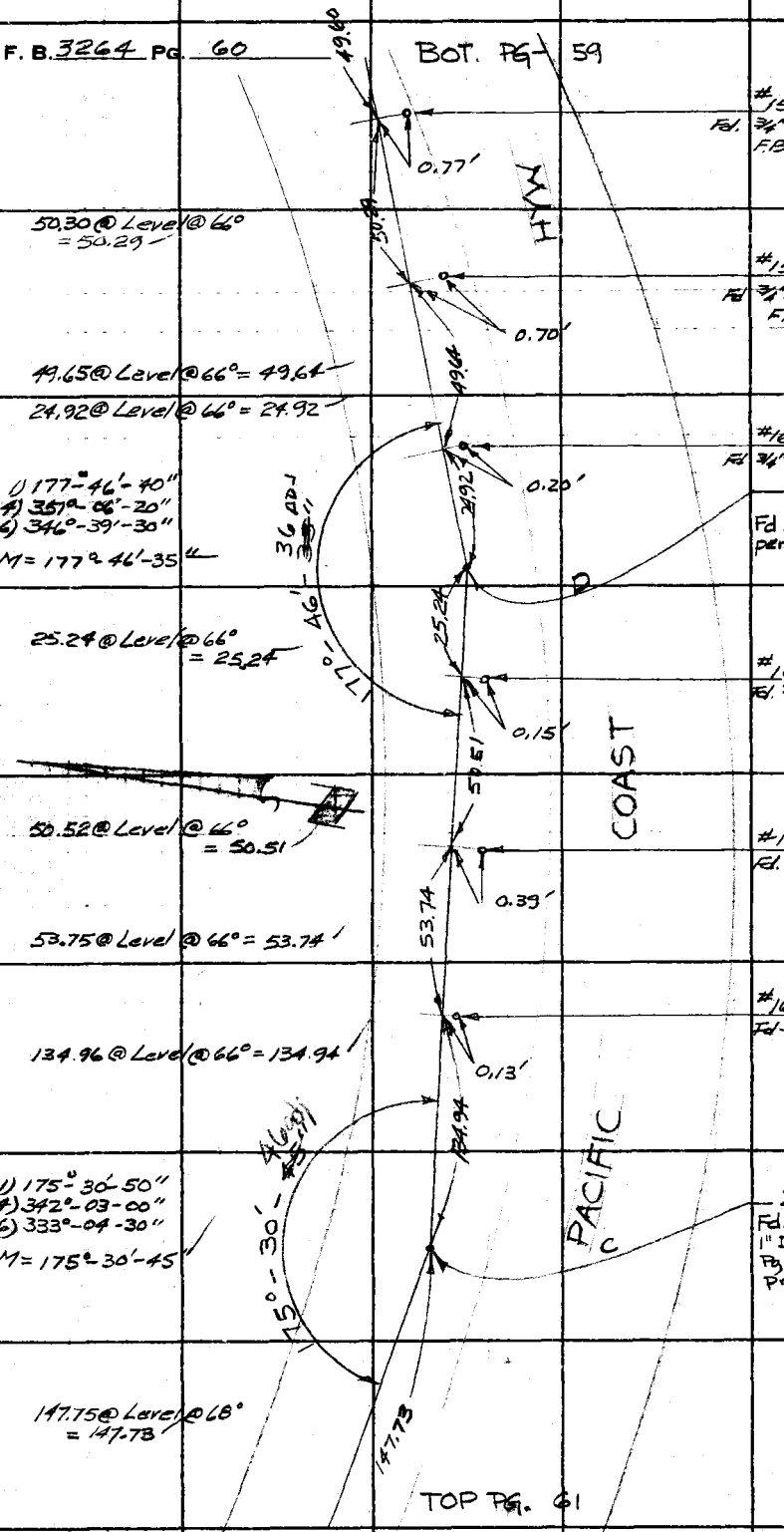
76F309S CE # 310 8-61

F. B. 3264 PG. 60

BOT. PG. 59



50.30 @ Level @ 66° = 50.29

49.65 @ Level @ 66° = 49.64

24.92 @ Level @ 66° = 24.92

1) 177°-46'-40"
2) 357°-06'-20"
3) 346°-39'-30"
M = 177°-46'-35"

25.24 @ Level @ 66° = 25.24

50.52 @ Level @ 66° = 50.51

53.75 @ Level @ 66° = 53.74

134.96 @ Level @ 66° = 134.94

1) 175°-30'-50"
2) 342°-03'-00"
3) 333°-04'-30"
M = 175°-30'-45"

147.75 @ Level @ 68° = 147.78

#158 213+80.35
Fd. ¾" I.P. & Cap in H.H.
F.B. 3164-62

#159 214+30.64
Fd ¾" I.P. & Cap in H.H.
F.B. 3164-62

#160 214+80.28
Fd ¾" I.P. & Cap in H.H.
F.B. 3164-62

X PT.
Fd. Bt. Spk. W & Tin
per F.B. 3164-200
F.B. 3164-136
215+05.20

#161 215+30.44
Fd. ¾" I.P. & Cap in H.H.
F.B. 3164-62

#162 215+80.95
Fd. ¾" I.P. & Cap in H.H.
F.B. 3164-62

#163 216+34.69
Fd ¾" I.P. & Cap in H.H.
F.B. 3164-62

X PT 217+68.63
Fd. L & C.E. Tag
1" Dn. Pec. F.B. 3164-
Pg.-200 on Line
Prod from West

TOP PG. 61

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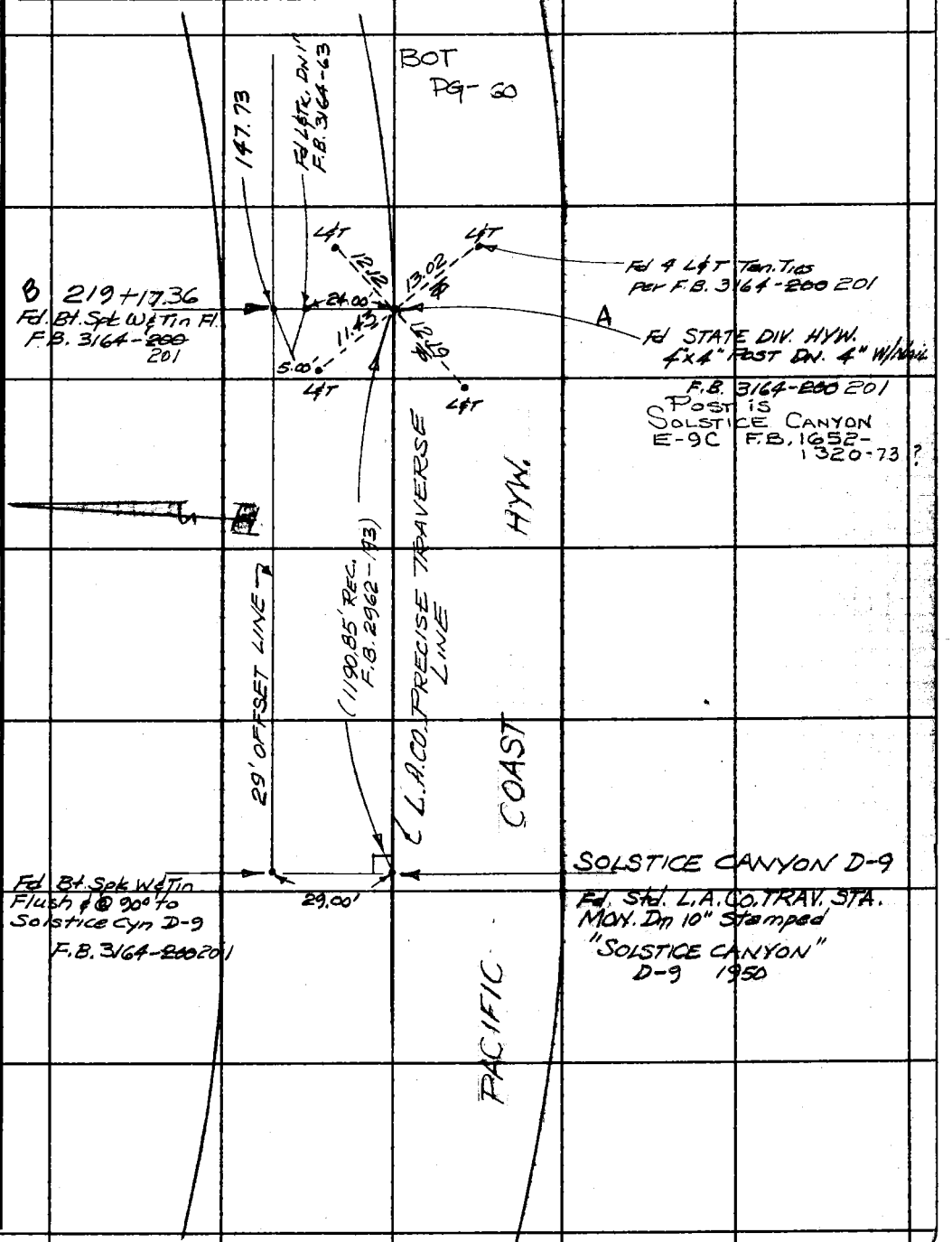
Notes Ck'd by M. ASHLEY	Survey of W.W. DIST No 29	F. B. 3264 PG. 61
Map No.	JN 5292.87 Tape 201 Std 84° °F	
Office Work	Surveyed by C. K. LIND	
Checked	Notes Dover Date 10-19-65	
Date	Indexed C. J. GALLI	



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76F309S CE # 310 3-61

Notes Ck'd by M. ASHLEY	Survey of W.W. DIST. Nº 29	F. B. 364	PG. 63
Map No.	JN 5292.87 Tape 20' Std 68° °F		
Office Work	Surveyed by LIND		
Checked	Notes LIND Date Oct-65		
Date	Indexed C. J. GALLI		

JN 5292.87

WATERWORKS DISTRICT Nº 29

ZONE 7 TIES

FROM: PIPE LINE STATION 150 + 12.98

TO: SOLSTICE CANYON G-9

" " G-9-A

10-12-65

LIND

DOVER

SWAN

ALMANZAN

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76F3085 CE # 310 3-61

F. B. 3264 PG. 64

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Solstice Canyon G-9
Found 4" std. L.A. Co. mon. punch hole 16.52-45

Set 4" nail & shr.

Set 4" square head bolt in fence

Solstice Canyon G-9A
Found 4" std. L.A. Co. traverse station punch hole 16.52-44

Set 4" square head bolt

Set 4" square head bolt

15.0 + 19.98
Pump Sta. Bolt W. end SW. corner Pad Elev. 314
-52

1.00

284.52

29.56

40 Feet offset line

4°-04'-30"

2.00 offset line

Geodetic traverse line

Tel. pole on line

284.55 @ Level @ 70° = 284.52

1144 + 17.98
Found 4" std. L.A. Co. mon. punch hole Pad Elev. 314
-53

29.56 @ Level @ 70° = 29.52

2.00

Set 4" square head bolt

Δ 1 = 40°-08'-40"
Δ 2 = 16°-18'-00"
Δ 3 = 24°-27'-00"
Δ 4 = 40°-04'-30"

Notes Ck'd by M. ASHLEY	Survey of W.W. DIST. Nº 29
Map No.	JN 5292.87 Tape 201 Std 84 °F
Office Work	Surveyed by C. K. LIND
Checked	Notes Dover Date 10-12-65
Date	Indexed C. J. GALLI

F. B. 3264 Pg. 65

JN 5292.87

WATERWORKS DISTRICT Nº 29

ZONE "7" TIES

FROM: PIPE LINE STATION 172+82.24

TO: SOLSTICE CANYON F-9

" " G-9A

10-12-65

LIND

DOVER

SWAN

ALMANZAN

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3098 CE # 310 3-61

F.B. 3264 PG. 66

172 + 82.24

FOUND Bt. 3pk. W & Tin FLUSH
PER F.B. 3164-55

167 + 62.10

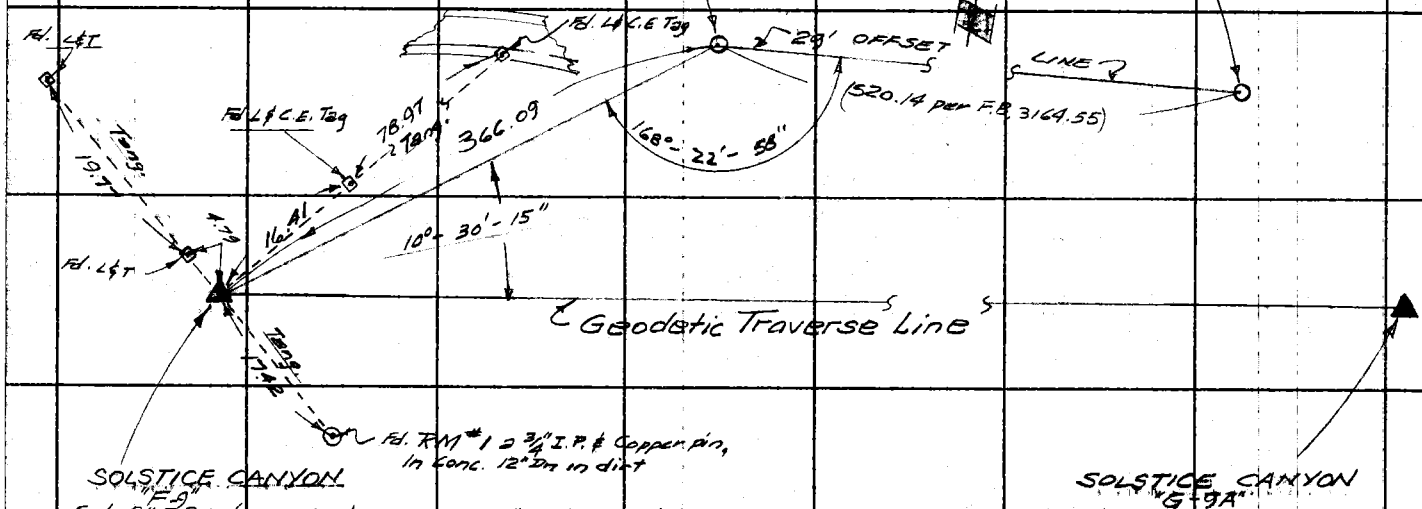
FOUND Bt. Spk W. & Tin FLUSH
PER F.B. 3164-193

1) 10°-30'-00"
4) 42°-01'-00"
6) 63°-01'-30"

M=0°-30'-15"

1) 168°-23'-00"
4) 313°-38'-45"
6) 290°-17'-50"

M=168°-22'-58"



SOLSTICE CANYON
"F-9"

Set 2" I.P. W/conc. Plug & C.E. Tag DN 2" in HYW. Pvmt. (M.C.)
Per F.B. 1652-41, 42

366.11 @ Level @ 74 = 366.09

SOLSTICE CANYON
"G-9A"

Fd. A Std. L.A. Co. TRAVERSE MON.
FLUSH Per. F.B. 1652-47

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Profile No. | Notes Red | Plotted | Job No. 5292.87 | Division No. 11 | F.B. 3264 | Pg. 67
X-Sec. No. | Date | Date | Survey of W.W. DIST #29
Notes Chkd M. ASHLEY | Checked | Survey by LIND | Notes Dover Date 10-6-65
Date | Date | Map No. | Indexed C. J. GALLI Date

WATER WORKS
DISTRICT #29
J.N. 5292.87

PIPE LINE MONUMENTS

PROFILE ON SURVEY MONUMENTS FOR CHECK ON VERTICAL MOVEMENT IN GEOLOGICAL HAZARDS STUDY AREA ON PACIFIC COAST HYW. ON PORTION OF MALIBU BRANCH FEEDER FROM PIPELINE PLUS 73+70.58 W'LY ALONG PIPELINE TO 216+34.69.
PRECISE LEVEL DATUM 1964 ADJUSTMENT
LEVEL CIRCUIT Nº 48

STATION	B.S.	H.I.	F.S.	ELEV.
		10-6-65		
		PARTY		
		LIND		
		DOVER		
		SWAUN		
		ALMANZAN		

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76-1-298 CE 307 3-61

76-L298 CE 307 3-61

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~~STATION~~ H.I. No	B.S.	H.I.	F.S.	ELEV.		
B.M 48-89	7278	147.136		139.858	BM-48-89 Elev.= 139.858, F.B. 1369-75 SOLSTICE CYN K-8A	
	7.225	151.289	3.072	144.064	Bt Spk @ E.C.	
T.P.	7,109	156.496	1.902	149.387		
T.P.	7,530	161.804	2,222	154.274		
T.P.	5 477	165.541	1,740	160.064		
BM 48.89A			5.826	159.715	BM-48-89A Elev.= 159.714 F.B. 1369-143 U.S.C & G.S. E-1052	
BM 48-89A	8.771	168.485		159.714	BM-48-89A Elev.= F.B. 1369-143	
T.P.	7 080	173.762	1 803	166.682	U.S.C. & G.S. E-1052	
T.P.	7,100	178.588	2 274	171.488		
#39			7232	171.356	PIPE LINE PLUS 73+70.58 F.B. 3264-29	
#40			4 856	173.732		
T.P.	5609	180.799	3.098	175.190		
#41			5,602	175.197		
#42			5.168	175.631		
BM-48-90	4.581	180,380	5.000	175.799	BM 48-90 Elev.= 175.783 F.B. 1369-76 SOLSTICE CYN J-8	
#43			5.200	175.180		

F.B. 3264 Pg. 68 Job No. 5292.87 Division No. 11 Notes Red Plotted Profile
Survey of W.W. DIST #29 Date Date No. X-Sec.
Survey by LIND Notes DOVER Notes Chkd. Checked
Indexed C. J. GALLI Date Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.		
BM-48-90		180.386			BM-48-90 Elev.= 175.783 F.B. 1369-76	
#44			6.910	173.476	SOLSTICE CYN - J-8	
T.P.	3.100	176.868	6.618	173.768		
#45			5.642	171.226	PIPE LINE PLUS 82+70.57 F.B. 3264-30	
#46			9.738	167.130		
T.P.	2.288	168.406	10.750	166.118		
#47			4.828	163.578		
BM 48-91	2.419	163.117	7.708	160.698	BM 48-91 Elev. = 160.706 F.B. 1369-77	
					SOLSTICE CYN J-8A	
#48			7.608	155.509		
T.P.	0.210	152.054	11.273	151.844		
#49			1.008	151.046		
#50			3.539	148.515		
#51			5.752	146.303		
#52			8.318	143.736		
#53			11.113	140.941		
T.P.	1.719	142.293	11.540	140.574		
#54			4.224	138.069		
#55			7.549	134.744		
BM 48-92	1.719	135.928	8.084	134.209	BM-48-92 Elev.= 134.080 F.B. 1369-78	
					SOLSTICE CYN. I-8	

Profile Notes Red Plotted Job No. 5292.07 Division No. 11
No. Date Date Survey of W. W. DIST #29 F.B. 3264 Pg. 69
X-Sec. Notes Chkd M. ASHLEY Checked Survey by Lally Notes Zero Date 10-7-65
No. Data Date Map No. Indexed C. J. GALL Date

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F.B. 3264 Pg. 70 Job No. 5292.07 Division No. 11 Notes Red Plotted Profile
Survey of W. L. DIST #29 Date Date No. X-Sec.
Survey by LINO Notes DOYER Notes Chkd. Checked No.
Indexed C. J. GALLI Date Date Date

Hk No

STATION	B. S.	H. I.	F. S.	ELEV.		
BM-48.92	1.719	135.928			BM. 48-92 Elev. = 134.080 F.B. 1369-78	
					SOLSTICE CYN I-8	
#56			4.063	131.865	PIPE LINE PLUS 92+71.28 F.B. 3264-34	
#57			7.200	128.728		
#58			10.300	125.628		
T. P.	0.878	125.341	11.465	124.463		
#59			2.714	122.627		
#60			5.974	119.367		
#61			9.043	116.295		
T. P.	0.278	114.181	11.438	113.903		
#62			1.150	113.031		
#63			4.015	110.166		
#64			7.010	107.171		
#65			9.910	104.271		
T. P.	0.409	103.129	11.461	102.720		
#66			1.660	101.469		
#67			4.817	98.312		
#68			8.100	95.029		
#69			11.130	91.999		
T.P.	0.760	92.498	11.591	91.538		

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Hill No

STATION	B. S.	H. I.	F. S.	ELEV.		
T. P.	3.960	92.498		91.538		
#70			3.290	89.208	PIPE LINE PLUS 99+	69.07 FB. 3264-37
#71			6.030	86.468		
#72			9.045	83.453		
T. P.	0.444	81.330	11.612	80.886		
#73			0.974	80.356		
#74			4.061	77.269		
#75			7.044	74.286		
#76			10.170	71.160		
T. P.	0.180	69.818	11.692	69.638		
#77			1.788	68.030		
#78			4.532	65.286		
#79			7.830	61.988		
#80			10.700	59.118		
T. P.	1.021	59.237	11.602	58.216		
#81			3.130	56.107		
#82			6.308	52.929		
#83			9.403	49.834		
T. P.	0.272	48.185	11.324	47.913		
#84			1.450	46.735		

Profile Notes Red Plotted Job No. 5292-87 Division No. 11 F. B. 3264 Pg. 71
No. X-Sec. Date Date Survey of W. W. DIST #29
Notes Chkd M. ASHLEY Checked Survey by CLINE Notes DOKE Date 12-7-65
No. Date Date Map No. Indexed C. J. GALL Date

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~~STATION~~ H.H. No	B.S.	H.I.	F.S.	ELEV.		
T.P.	0.272	48.185		47.913	P.K.	
#85			4.535	43.650	PIPELINE PLUS 107+17.34	F.B. 3264-40
#86			7.698	40.487		
#87			10.650	37.535		
BM-48-93	2.691	41.036	9.840	38.345	BM 48-93 Elev. = 38.327	F.B. 1369-79
					SOLSTICE CYN. I-9	
#88			6.368	34.668		
#89			9.619	31.417		
T.P.	0.619	30.440	11.215	29.821	P.K.	
#90			1.590	28.850		
#91			4.298	26.142		
#92			6.092	24.348		
#93			8.048	22.392		
#94			9.650	20.790		
T.P.	3.498	24.408	9.530	20.910	P.K.	
#95			4.972	19.436		
#96			5.966	18.442		
BM. 48-94	2.900	21.478	5.830	18.578	BM. 48-94 Elev. = 18.558	F.B. 1369-79
					SOLSTICE CYN. I-9A	
#97			4.174	17.304		
#98			5.085	16.393		

F.B. 3264 Pg. 72 Job No. 529287* Division No. 11 Notes Red ___ Plotted ___ Profile ___
Survey of W.W. DIST. #29 Date ___ Date ___ No. ___
Survey by GWP Notes Dover Notes Chkd. ___ Checked ___ X-Sec. ___
Indexed C. J. GALLI Date ___ Date ___ Date ___ No. ___

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H.H. No

~~STATION~~	B. S.	H. I.	F. S.	ELEV.		
BM 48-94	2.900	21 478		18.578	B.M. 48-94 Elev.= 18.558 F.B. 1369-79	
					SOLSTICE CYN I-9A	
BM 48-95	4.197	21.032	4.643	16.835	BM. 48-95 Elev.= 16.812 F.B. 1369-80	
					U.S. 1303 RESET	
BM-48-95A	4 630	21,460	4.202	16.830	B.M. 48-95A Elev.= 16.810 F.B. 1369-80	
					U.S.C. & G.S. F 1052	
# 99			5.198	16.262	Pipe LINE PLUS 117+03.02 F.B. 3264-43	
# 101			5.245	16 215		
# 102			5.202	16.258		
# 103			5.160	16.300		
T. P	5.781	22.751	4.490	16.970	P.K.	
BM 48-96			4.171	18.580	BM 48-96 Elev.= 18.558 F.B. 1369-80	
					SOLSTICE CYN H-8	
BM 48-96	6940	25.498		18.558	BM 48-96 Elev. 18.558 F.B. 1369-80	
					SOLSTICE CYN H-8	
T. P.	8233	32.911	0.820	24.678	P	
#104			3.140	29.771		
T. P.	5.643	38 049	0.505	32.406		
#105			5.735	32.314		

Profile Notes Red ____ Plotted ____ Job No. 5292.87 Division No. 11 F.B. 3264 Pg. 73
No. ____ Date ____ Date ____ Survey of W. W. DIST. #29
X-Sec. Notes Chkd M. ASHLEY Checked ____ Survey by LIND Notes DOVER Date 10-7-65
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

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~~STATION~~ H.H. No	B.S.	H.I.	F.S.	ELEV.		
T.P.	5643	38.049		32.406		
BM 48-97			3.910	34.139	BM 48-97 Elev = 34.134	F.B. 1369-81
					SOLSTICE CYN	H-8A
BM-48-97	7607	41.741	1	34.134	BM 48-97 Elev. = 34.134	F.B. 1369-81
					SOLSTICE CYN	H-8A
#106			8.180	33.561		
#107			6.819	34.922		
#108			5.818	35.923		
#109			5.142	36.599		
#110			4.350	37.391		
#111			3.994	37.747		
#112			3.596	38.145		
T.P.	5.700	44.389	3.052	38.689	P.K.	
#113			5.730	38.659		
#114			5.530	38.859		
#115			5.774	38.615	PIPE LINE PLUS 132+22.47	F.B. 3264-47
BM 48-98			5.036	39.353	B.M. 48-98 Elev. = 39.354	F.B. 1369-81
					SOLSTICE CYN	H-8B
BM 48-98	3890	43.244		39.354		

F.B. 3264 Pg. 74
Job No. 5292.87 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of W.W. DIST #29 Date ____ Date ____ No. ____
Survey by LIND Notes DOVER Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed C. J. GALLI Date ____ Date ____ Date ____ No. ____

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H.H. No 9

STATION	B. S.	H. I.	F. S.	ELEV.		
BM 48-98	2.890	43.244		39.354	B.M 48-98 Elev 39.354	F.B. 1369-81
#116			4.727	38.517	SOLSTICE CYN H-85	
#117			5.083	38.161	Pipe Line Plus 133+22.94	F.B. 3264-98
#118			5.512	37.732		
#119			5.845	37.399		
#120			6.286	36.958		
#121			6.930	36.314		
#122			7.362	35.882		
T.P.	3.239	39.413	7.070	36.174	P.K.	
#123			4.160	35.253		
#124			4.580	34.833		
#125			5.248	34.165		
#126			5.709	33.704		
#127			6.200	33.213		
#128			7.015	32.398		
T.P.	5.375	38.298	6.490	32.923	P.K.	
#129			6.255	32.043		
#130			6.700	31.598		
#131			7.258	31.040		
#132			7.650	30.648		
133			8.402	29.896		

Profile Notes Red Plotted Job No. 5292.87 Division No. 11
No. X-Sec. Date Survey of W.W. D.57 #29
No. Notes Chkd. M. ASHLEY Date Survey by CLWD Notes Revised Date 10-7-65
Date Checked Date Map No. Indexed C. J. GALLI Date
F.B. 3264 PG. 75

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~~STATION~~ H.H. No	B.S.	H.I.	F.S.	ELEV.		
T.P.	5.375	38.298		32.923	P.K.	
B.M. 48-99A			7.688	30.610	B.M. 48-99A Elev. = 30.619 F.B. 1369-142 SOLSTICE CYN G-9	
	3.408	34.027		30.619	B.M. 48-99A Elev. 30.619 F.B. 1369-142 SOLSTICE CYN G-9	
# 134			4.350	29.677		
# 135			4.959	29.068	PIPE LINE PLUS 142+25.00 F.B. 3264-52	
T.P.	5.822	34.709	5.140	28.887	P.K.	
T.P.	5.480	35.740	4.449	30.260	P.K.	
T.P.	5.759	36.938	4.561	31.179	P.K.	
T.P.	6.448	38.583	4.803	32.135	P.K.	
T.P.	8.170	44.255	2.498	36.085	P.K.	
T.P.	6.631	49.127	1.759	42.496		
BM 48-100			2.760	46.367	BM-48-100 Elev. = 46.349 F.B. 1369-83 SOLSTICE CYN G-9A	
BM 48-100	6.618	52.967		46.349	B.M. 48 Elev. = 46.349 F.B. 1369-83 SOLSTICE CYN. G-9A	
T.P.	6.627	57.015	2.579	50.388	P.K.	

F.B. 3264 PG. 76 Job No. 5292.87 Division No. 11 Notes Red Plotted Date 10-13-65 Date No. Profile
Survey of W.W. DIST #29 Notes Chkd. Checked Date No. X-Sec.
Survey by LIND Notes DOVER Date
Indexed Date

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H.H. No

~~STATION~~	B. S.	H. I.	F. S.	ELEV.		
T.P.	6.627	57.015		50.388	P.K.	
T.P.	8.376	63.477	1.914	55.101	P.K	
T.P.	9.552	72.707	0.322	63.155	P.K.	
T.P.	10.870	82.627	0.950	71.757	P.K.	
T.P.	9.722	91.909	0.440	82.187	P.K.	
T.P.	11.040	102.397	0.552	91.357	P.K	
#136			10.145	92.252	PIPE LINE PLUS 176+30.52 F.B. 3264-54	
#137			2.895	99.502		
T.P.	10.193	112.049	0.541	101.856	"□" Spk.	
#138			4.984	107.065		
T.P.	10.352	122.013	0.388	111.661	P.K.	
#139			7.363	114.650		
#140			0.558	121.455		
T.P.	10.350	131.923	0.440	121.573	P.K.	
#141			4.718	127.205		
T.P.	8.173	139.220	0.876	131.047	P.K.	
#142			7.632	131.588		
#143			4.228	134.992		
T.P.	6.498	142.787	2.931	136.289	E.C. Bt Spk W&T	
#144			5.651	137.136		
T.P.			4.669	138.118		

Profile No. ____ Notes Red ____ Plotted ____ Job No. 5292.87 Division No. 11 F.B. 3264 Pg. 77
X-Sec. No. ____ Date ____ Date ____ Survey of W.W. DIST # 29
Notes Chk. M. ASHLEY Checked ____ Survey by LIND Notes DOVER Date 10-14-65
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

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F.B. 3264 Pg. 78 | Job No. 5292.87 | Division No. | Notes Red | Plotted | Profile
Survey of W. V. I. D. ST #29 | Date 10-14-65 | No. | X-Sec.
Survey by LIND | Notes Dever | Notes Chkd. | Checked | No.
Indexed C. J. GILL | Date | Date | Date

H. H. N°

STATION	B. S.	H. I.	F. S.	ELEV.		
T. P.	4.268	142.386		138.118	(Cont)	
BM 48-102			7.371	135.015	B.M. 48-102 E/ev. = 134.964 F.B. 1369-85 SOLSTICE CYN F-9A	
BM 48-102	5.007	139.971		134.964	B.M. 48-102 E/ev. = 134.964 F.B. 1369-85 SOLSTICE CYN. F-9A	
T. P.	1.816	133.429	8.358	131.613	P.K	
T. P.	3.544	127.333	9.640	123.789	P.K	
BM 48-103			7.330	120.003	B.M. 48-103 E/ev. = 120.005 F.B. 1369-86 SOLSTICE CYN E-9	
BM 48-103	1.049	121.054		120.005	BM 48-103 E/ev = 120.005 FB 1369-86 SOLSTICE CYN E-9	
T. P.	0.954	111.349	10.659	110.395	P.K	
T. P.	0.547	100.276	11.620	99.729	"D" Spk	
T. P.	0.702	89.278	11.700	88.576	P.K.	
BM 48-104	0.760	78.116	11.922	77.356	BM 48-104 E/ev = 77.412 F.B. 1369-87 SOLSTICE CYN E-9A	
T. P.	0.352	66.908	11.560	66.556	P.K.	
#145			1.696	65.212		
#146			4.569	62.339		
#147			7.625	59.283		
#148			10.582	56.326	PIPE LINE PLUS 208+80.34	

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~~STATION~~ H.H. No	B. S.	H. I.	F. S.	ELEV.		
T. P.		66.908		~~66.956~~	(Cont)	
T. P.	1.008	56.356	11.560	55.348	P. K.	
#149			2.968	53.388	PIPE LINE PLUS 209+30.73 F.B. 3264-58	
#150			6.088	50.268		
#151			9.084	47.272		
T. P.	0.882	47.478	9.760	46.596	"D" SPK.	
#152			3.061	44.417		
#153			6.318	41.160		
#154			9.398	38.080		
T. P.	1.031	36.700	11.809	35.669		
#155			1.780	34.920		
#156			4.738	31.962		
#157			7.742	28.958		
BM-48-105			7.522	29.178	B.M. 48-105 Elev = 29.169 F.B. 1369-88	
					SOLSTICE CYN E-9B	
					BM 48-105 Elev. 29.169 F.B. 1369-88	
	1.843	31.012		29.169	SOLSTICE CYN E-9B	
#158			4.927	26.085		
#159			7.547	23.465		
#160			9.924	21.088		
T. P.			10.465	20.547	Bt SPK W & T.	

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 5292.87 Division No. 11 Survey of W.W. DIST #29 Survey by LIND Notes Dover Date 10-14-65 Map No. ____ Indexed I. GALLI Date ____

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

F.B. 3264 Pg. 79

76-L298 CE 307 3-61

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Do not extend notes this side of this line.

~~STATION~~ H.H. No	B.S.	H.I.	F.S.	ELEV.		
T.P.	2090	22.637		20.547	(CONT)	
# 161			3369	19.268		
# 162			4.675	18.012		
# 163.			5800	16.837	PIPE LINE PLUS 216+69.63 F.B. 3264-60	
BM 48-106			5.368	17.269	BM 48-106 ELEV = 17.277 F.B. 1369-87	
					U.S. RESET 1307	

F.B. 3264 PG. 80 Job No. 5292.87 Division No. 11 Notes Red Plotted Profile
Survey of W.W. DIST #29 Date 10-14-65 Date No. X-Sec.
Survey by LIND Notes Dover Notes Chkd. Checked
Indexed Date Date Date No.

Notes Ck'd by M. ASHLEY	Survey of W.W. DIST # 29	F. B. 3264 Pg. 61
Map No.	JN 5292.87 Tape #201 Std 68 °F	
Office Work	Surveyed by C.K. LIND	
Checked	Notes Dover Date 11-18-65	
Date	Indexed NOV 22 '65 C. J. GALLI	

JN 5292.87

WATER WORKS DISTRICT Nº 29

RECHECK OF TRAVERSE ANGLES

FROM : LAS FLORES B-9B

TO : SOLSTICE CYN. L-8

NOTE : SEE ABSTRACT FOR T-2 ANGLES

11-18-65

LIND
DOVER
SWAN
ALMAKZIAN

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78F3099 CE # 310 3-61

F. B. 3264 PG 82

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Las Flores B-8
Rd. Sta. Traverse Mon.
Rec. F. B. 1652-9 & 10

Las Flores B-9-B
Rd. Sta. Traverse Mon.
Rec. F. B. 1652-11 & 12

L.A. Co. Precise Traverse Line

Coast Hwy

Pacific

Cont. Top 83

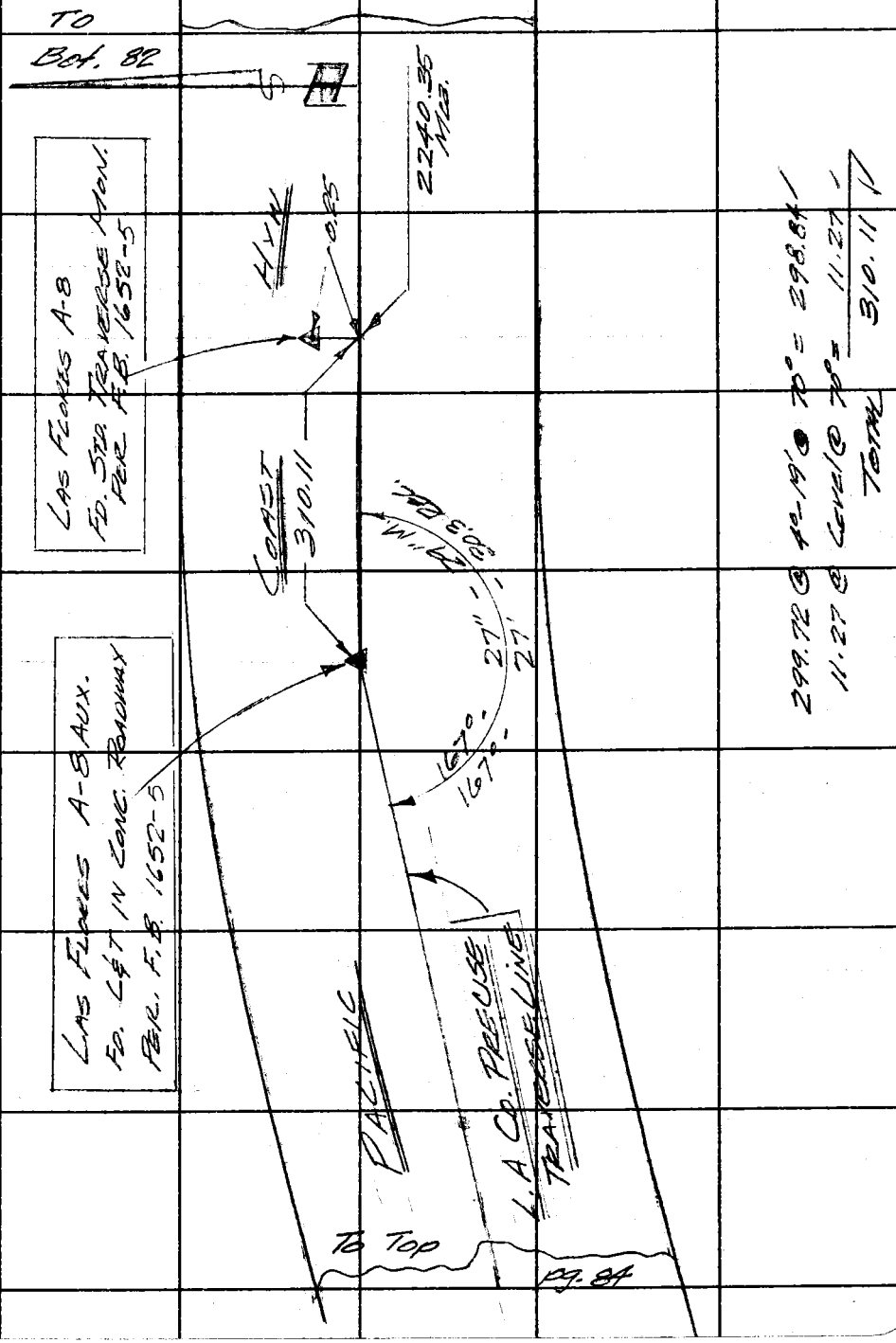
224.35

S 13° 17' 03.9" W
588 Rec.

Total 224.35

30in. CMP @ 4+17.0, 72° = 22.35
18in. CMP @ 4+49.1, 72° = 22.35

Notes Ck'd by M. ASHLEY	Survey of W.W. DIST #29	F. B. 3264 PG. 83
Map No.	JN 5292.87 Tape #201 Std 84 °F	
Office Work	Surveyed by C. K. LIND	
Checked	Notes Dover Date 11-18-65	
Date	Indexed C. J. GALLI	



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76F309S CE # 310 3-61

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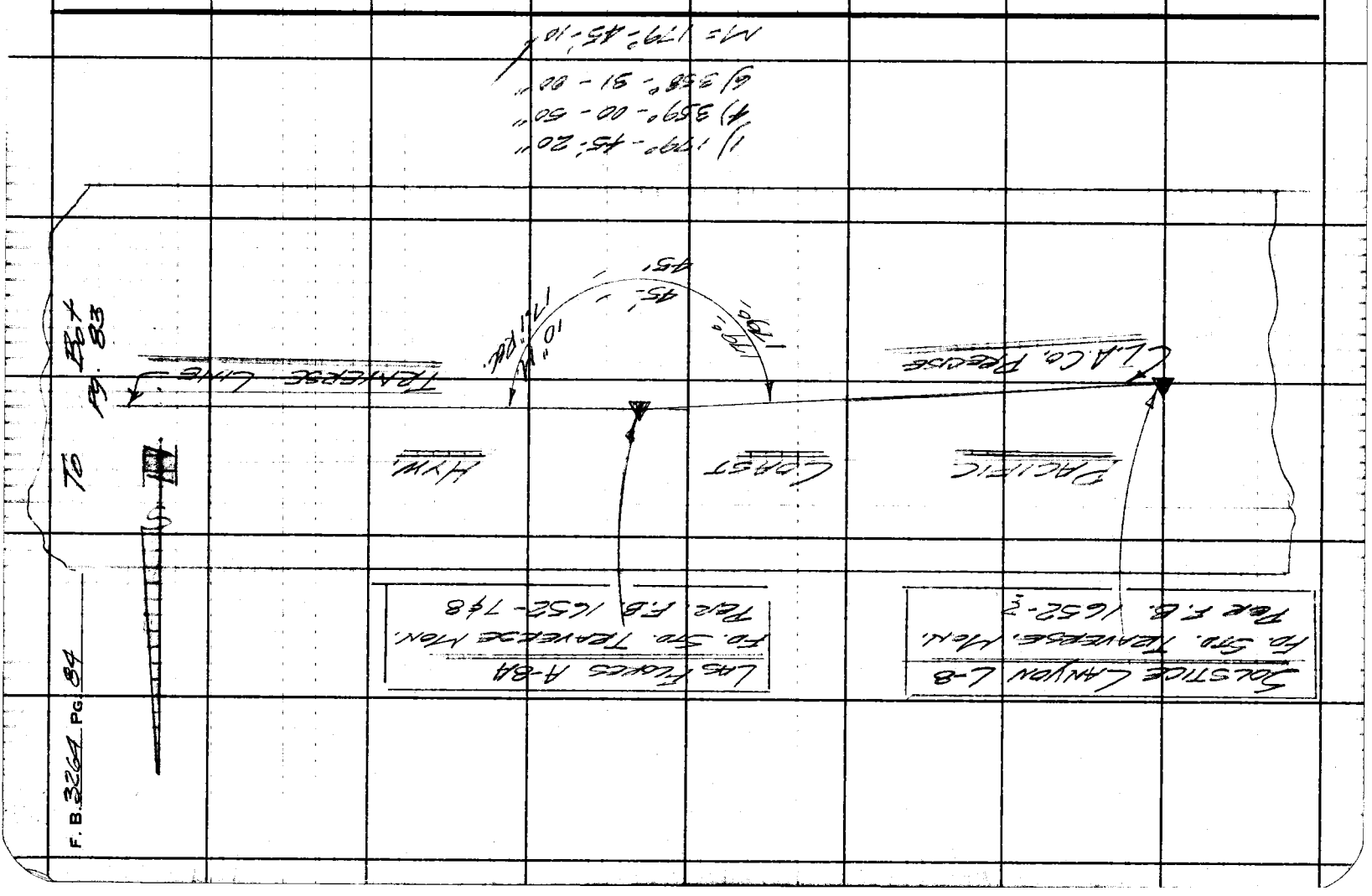

Notes Ck'd by M. ASHLEY	Survey of W.W. DIST # 29
Map No.	JN 5292.87 Tape # 201 Std 64 °F
Office Work	Surveyed by C. K. LIND
Checked	Notes Dover Date 11-19-65
Date	Indexed C. J. GALLI

F. B. 3264 PG. 85

JN 5292.87

WATER WORKS DISTRICT Nº 29

GEODETIC TIE'S

FROM: E-9C SOLSTICE CANYON

TO: D-9B SOLSTICE CANYON

11-19-65

LIND
DOVER
SWIAN
ALMAHAIZAN

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76F309S CE # 310 3-61

F. B. 3264 PG. 86

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SOLSTICE CANYON D-9
FD. STD. TRAVERSE MON.
REC. 1652 - 27

SOLSTICE CANYON D-9B
TST. NAIL ON SURFACE BTW.
RM. #1 & #3 PER TIES
PER. F.B. 1652-31, 240, 250

SOLSTICE CANYON D-9C
FD. 4"x4" POST DR. 4" W/NAIL
REC. F.B. 1652-39
F.B. 1320

SOLSTICE CANYON D-9A
FD. STD. TRAVERSE MON.
PER. F.B. 1652-29

HWY

L.A. CO. FLOOD LINE

TRAVERSE LINE

COAST

PACIFIC

170.05'

(R&M)
11° 43'-28"

Ⓐ 11°-43'-28"
Ⓑ 46°-53'-28"
Ⓒ 70°-20'-28"
M= 11°-43-28½'

Ⓐ 170°-05'-58"
Ⓑ 320-23'-30"
Ⓒ 300-35'-30"
M= 170°-05'-58"

Notes Ck'd by	Survey of W.W. DIST. Nº 29
Map No.	JN 5292.87 Tape 235 Std 84 °F
Office Work	Surveyed by L.V. SMITH
Checked	Notes L.V. SMITH Date 2-16-66
Date	Indexed C. J. GALLI

F. B. 3264 PG. 87

WATERWORKS DISTRICT Nº29

J.N. 5292.87

PIPELINE MONUMENTS

SURVEY FOR CHECK OF HORIZONTAL MOVEMENT OF PIPELINE MONUMENTS IN SLIDE AREA ON PACIFIC COAST HWY. ELY. OF INTERSECTION OF SUNSET BLVD. & WLY. OF BEL AIRE BAY CLUB ROAD

FEB. 1966

REF.
F.B. 3164

PARTY
L.V. SMITH
R.L. STRADER
M.E. WACKER
E.M. GOSHORN

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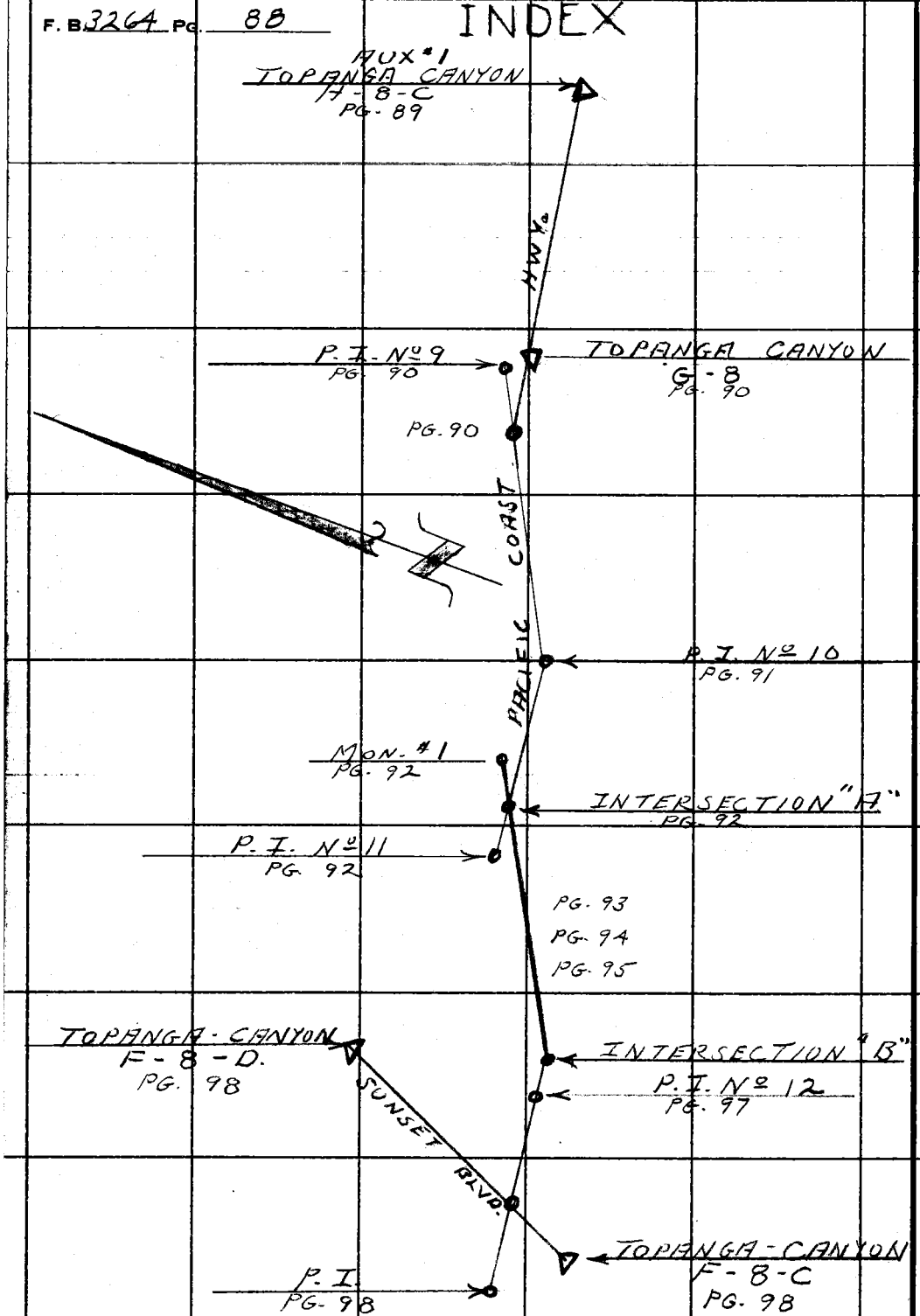
76F3095 CE # 310 3-61

F. B. 3264 Pg. 88

INDEX



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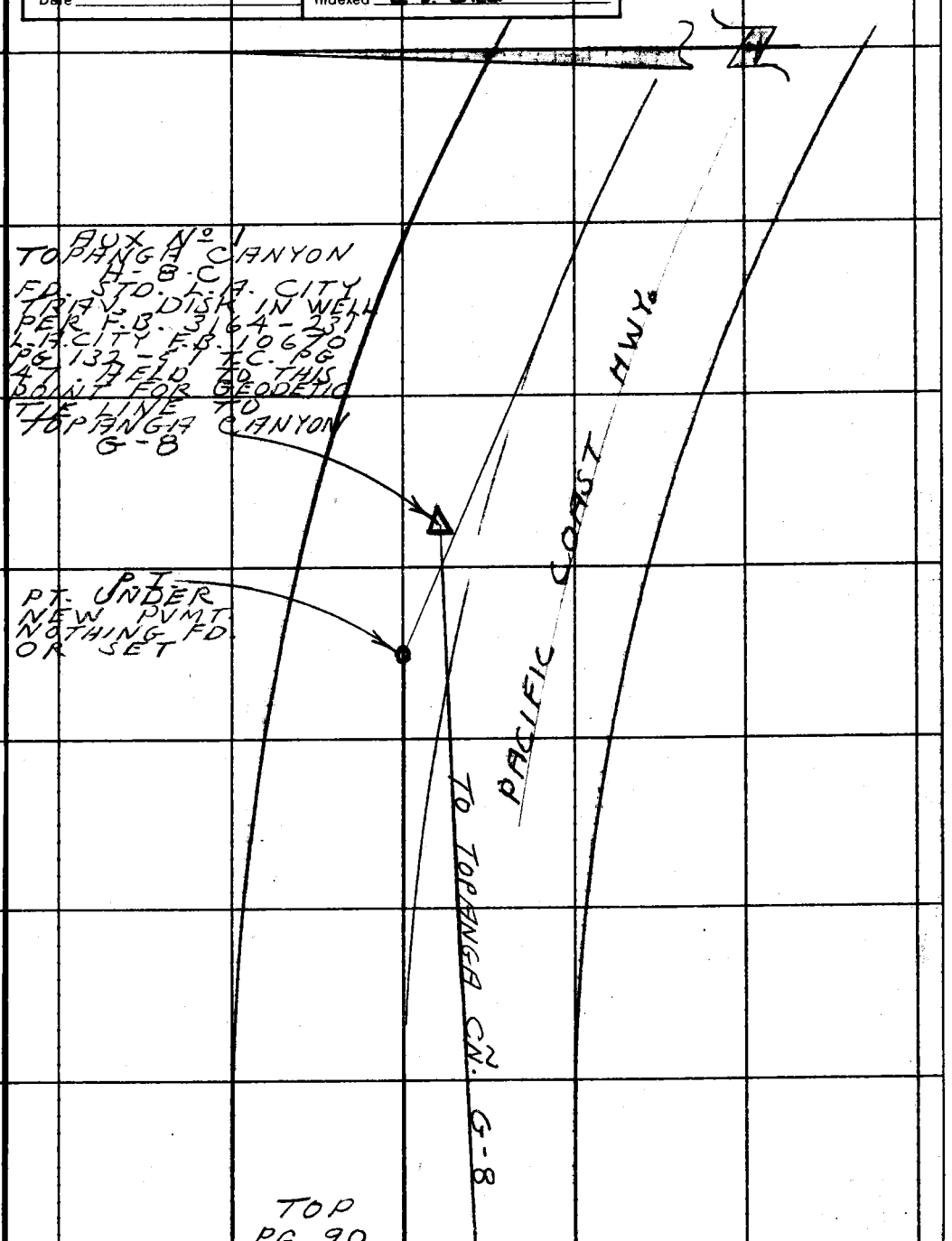
Notes Ck'd by	Survey of W. W. DIST. No 29
Map No.	JN 5292.87 Tape 235 Std 84 °F
Office Work	Surveyed by L. V. SMITH
Checked	Notes L. V. SMITH Date 2-16-66
Date	Indexed C. J. GALLI

F. B. 3264 PG. 89



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76F309S CE # 310 3-61

F. B. 3264 PG. 90

105.13' @ 2°18' = 105.04'
105.17' @ 2°46' = 105.05' = 105.05'
T = 62° = 105.04'

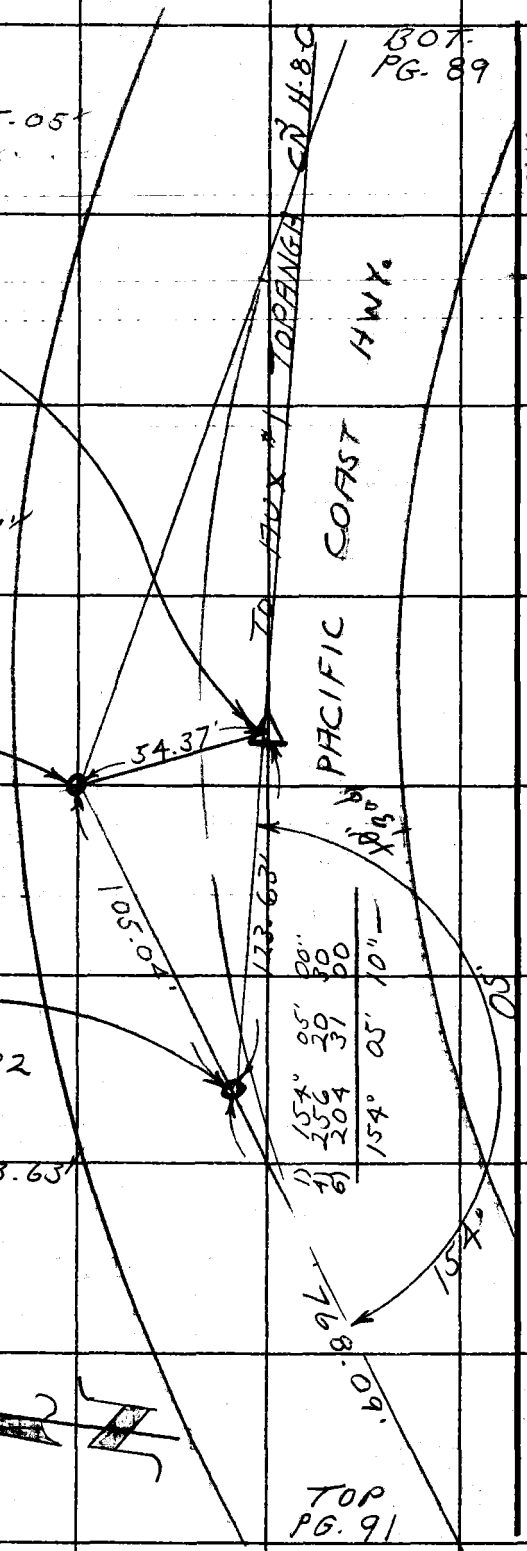
TOPANGA CANYON
G-8
FD. STD. L.A. CITY
TRAVERSE DISK IN
WELL DISK STAMPED
"TOPANGA CANYON
G-8 - 1957"
PER F.B. 3164-232
L.A. CITY F.B. 10670-133

54.38' @ LEV. T = 62° = 54.37'

P.I. No 9
FD. 4" I.P. WITH CONC.
PLUG & RAILROAD SPK.
PER F.B. 3164-232 &
L.A. CITY F.B. 21410-16

INTERSECTION
FD. LG. BT. SPK. W. & TIN
CHECKED FOR LINE ELY.
& WLY. PER F.B. 3164-232

123.65' @ LEV. T = 62° = 123.63'
NOTE
THIS DISTANCE DOUBLE
CHECKED. MISTAKE OF
0.10' IN THIS DISTANCE
PG 232 F.B. 3164



W.S. 58, C-6

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Office Work	Surveyed by L.V. SMITH
Checked	Notes L.V.S. Date 2-16-66
Date	Indexed G. J. GALLI

F. B. 3264 PG. 91

BOT. PG. 90

768.09'

PACIFIC COAST HWY.

P.T. Nº 10
FD. L.A. CITY ENGR. STD. SURVEY MON.
HEX ROD IN WELL
F.B. 3164 - 233

164°

29'

00"

1) 164° 28' 45"
2) 297 55 45
3) 266 54 00
164° 29' 00"

768.21' @ LEV.
T = 60° = 768.09'

559.22' @ LEV.
T = 64° = 559.15'

559.15'

TOP PG. 92

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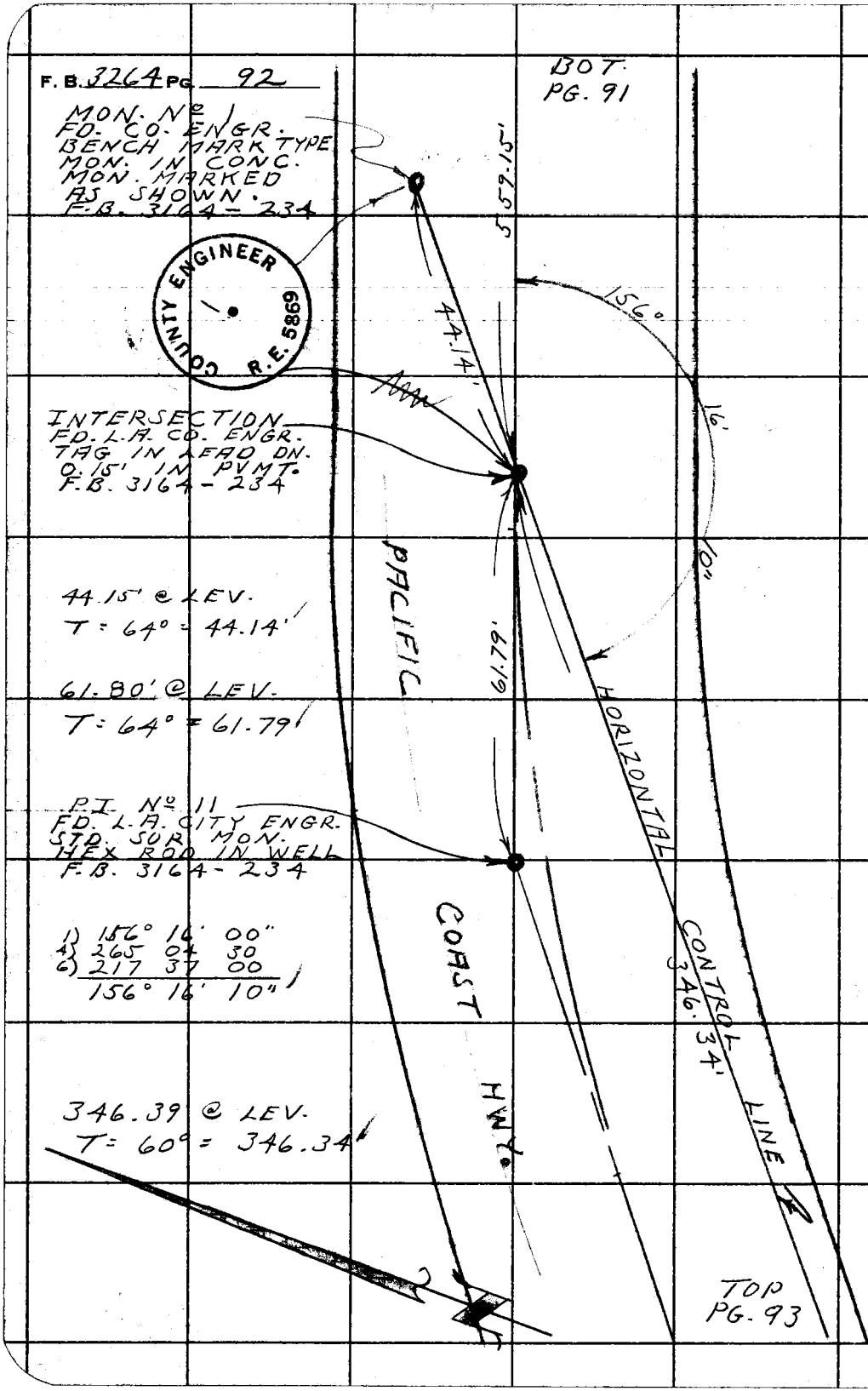
76F3095 CE # 310 3-61

F. B. 3264 PG. 92



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Notes Ck'd by	Survey of W.W. DIST. Nº 29
Map No.	JN 5292-87 Tape 235 Std 84 °F
Office Work	Surveyed by L-V. SMITH
Checked	Notes L.V. SMITH Date 2-16-66
Date	Indexed C. I GALLI

F. B. 3264 PG. 93

BOT PG. 92

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COUNTY ENGINEER R.E. 5869

346.34' LINE

0.01'

Nº 2
FD. STD. CO. ENGR. BENCH MARK TYPE MON. IN CONC. IN WELL. MON. MARKED AS SHOWN. F.B. 3164 - 235

1.25'
2.75'
2-A
FD. 1" X 1" ON TOP 30" WATERMAIN F.B. 3164 - 235

45.89' @ LEV.
T = 60°: 45.88'

45.88' CONTROL

0.01'

Nº 3
FD. STD. CO. ENGR. BENCH MARK TYPE MON. IN CONC. IN WELL. MON. MARKED AS SHOWN. F.B. 3164 - 235

44.99' @ LEV.
T = 60°: 44.98'

44.98' HORIZONTAL

0.07'

Nº 4
FD. STD. CO. ENGR. BENCH MARK TYPE MON. IN CONC. IN WELL. MON. MARKED AS SHOWN. F.B. 3164 - 235

0.81'
3.46'
4-A
FD. X" ON TOP OF 30" WATERMAIN F.B. 3164 - 235

46.57' @ LEV.
T = 60°: 46.56'

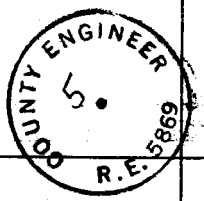
46.56'

TOP PG. 94

76F3088 CE # 310 3-61

F.B. 3264 PG. 94

BOT. PG. 93



COUNTY ENGINEER 5. R.E. 5869

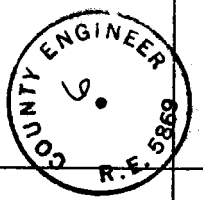
46.56'

LINE

Nº 5
FD. STD. CO. ENGR.
BENCH MARK TYPE
MON. IN CONC. IN
WELL. MON. MARKED
AS SHOWN.
F.B. 3164 - 236

0.13'

46.61' @ LEV.
T = 60° = 46.60'



COUNTY ENGINEER 6. R.E. 5869

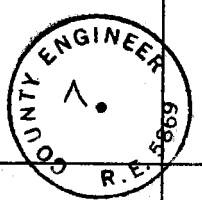
46.60'

CONTROL

0.18

Nº 6
FD. STD. CO. ENGR.
BENCH MARK TYPE
MON. IN CONC. IN
WELL. MON. MARKED
AS SHOWN.
F.B. 3164 - 236

50.02 @ LEV.
T = 62° = 50.01'



COUNTY ENGINEER 7. R.E. 5869

50.01'

HORIZONTAL

0.22

Nº 7
FD. STD. CO. ENGR.
BENCH MARK TYPE
MON. IN CONC. IN
WELL. MON. MARKED
AS SHOWN.
F.B. 3164 - 236

49.99'

50.00 @ LEV.
T = 62° = 49.99'

TOP PG. 95

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Notes Ck'd by		Survey of W.W. DIST. Nº 29	F. B. 3264 PG. 95
Map No.		JN 292.87 Tape 235 Std 84 °F	
Office Work		Surveyed by L.V. SMITH	BOT. PG. 94
Checked		Notes L.V. SMITH Date 2-1766	
Date		Indexed C. J. GALLI	

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COUNTY ENGINEER 8 R.E. 5869

COUNTY ENGINEER 9 R.E. 5869

COUNTY ENGINEER 10 R.E. 5869

49.99 LINE

0.22

Nº 8
FD. STD. CO. ENGR. BENCH MARK TYPE MON. IN CONC. IN WELL. MON. MARKED AS SHOWN. F.B. 3164 - 237

50.02' @ LEV. T = 62° = 50.01'

50.01' CONTROL

0.23

Nº 9
FD. STD. CO. ENGR. BENCH MARK TYPE MON. IN CONC. IN WELL. MON. MARKED AS SHOWN. F.B. 3164 - 237

50.02' @ LEV. T = 62° = 50.01'

50.01 HORIZONTAL

2.63'

#10 A
FD. "X" ON TOP OF 30" WATERMAIN F.B. 3164 - 237

0.02

Nº 10
FD. STD. CO. ENGR. BENCH MARK TYPE MON. IN CONC. IN WELL. MON. MARKED AS SHOWN. F.B. 3164 - 237

0.21

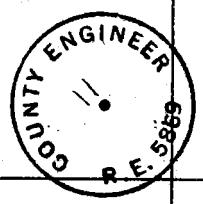
35.22' @ LEV. T = 64° = 35.22'

35.22

TOP PG. 96

76F3095 CE # 310 3-61

F. B. 3264 Pg. 96



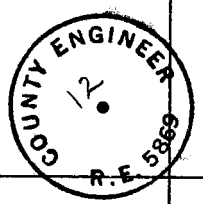
BOT
PG. 95

35.22'
LINE

0.21

№ 11
FD. STD. CO. ENGR.
BENCH MARK TYPE
MON. IN CONC. IN
WELL. MON. MARKED.
AS SHOWN.
F.B. 3164-238

35.22' @ LEV.
T = 64° = 35.22'



35.22'
CONTROL

1.55'
12-14
FD. 1"x"
ON TOP
OF 30"
WATERLINE
F.B. 3164-
238

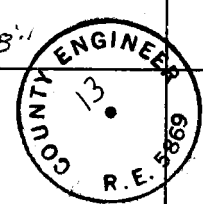
0.38'

№ 12
FD. STD. CO. ENGR.
BENCH MARK TYPE
MON. IN CONC. IN
WELL MON. MARKED
AS SHOWN.
F.B. 3164-238

0.15

210.08'
HORIZONTAL

210.11' @ LEV.
T = 64° = 210.08'



№ 13
FD. STD. CO. ENGR.
BENCH MARK TYPE
MON. IN CONC. IN
WELL. MON. MARKED
AS SHOWN.
F.B. 3164-238

362.68'

362.73' @ LEV.
T = 64° = 362.68'

TOP
PG. 97

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Notes Ck'd by	Survey of W.W. DIST. N°29
Map No.	JN 292-87 Tape 235 Std 84 °F
Office Work	Surveyed by L.V. SMITH
Checked	Notes L.V. SMITH Date 2-1766
Date	Indexed G. J. GALLI

F. B. 3264 PG. 97

BOT PG. 96

HORIZONTAL CONTROL

362.68'

INTERSECTION
FD. 1" I.P. CONC. PLUG & L.A. CO. ENGR. TAG DN. 0.1' PER F.B. 3164 - 239

1)	156°	52'	15"
4)	267	28	45
6)	221	13	00
	156°	52'	10"

77.96' @ LEV.
T = 62° : 77.95'

77.95'

P.I. N° 12
FD. L.A. CITY ENGR. STD. SURVEY MON. HEX ROD IN WELL F.B. 3164 - 239

329.05' @ LEV.
T = 62° : 329.00'

329.00'

TOP PG. 98

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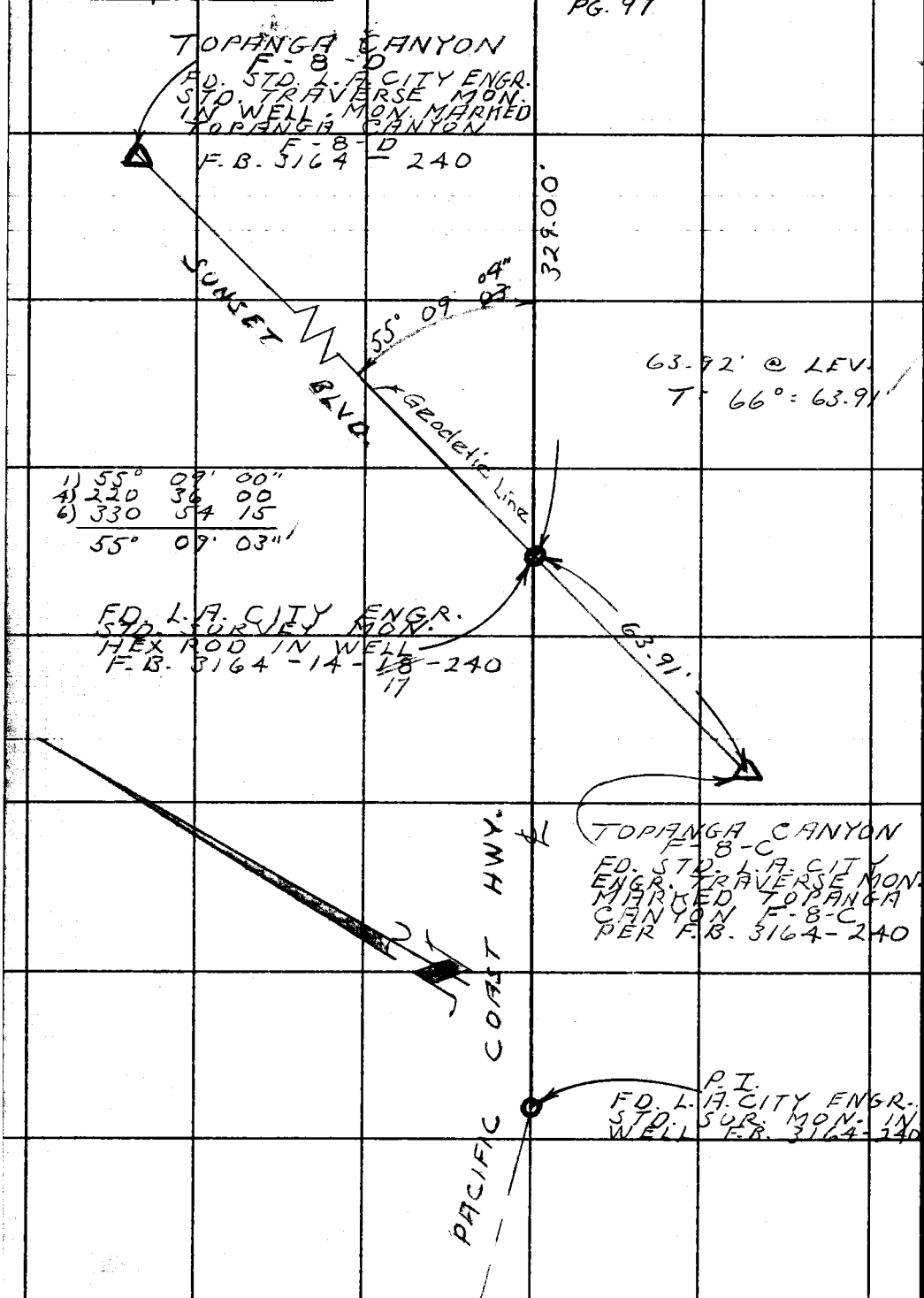
76F3095 CE # 310 3-61

F. B. 3264 Pg. 98

BOT.
PG. 97



WS 59, B-6

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F.B. 3264 Pg. 99

Profile No. ____ Notes Red ____ Plotted ____ Job No. 5292.87 Division No. ____
Date ____ Date ____ Survey of W.W. DIST. Nº29 PIPLINE MON.
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by L.V. SMITH Notes M.E.W. Date 2-17-66
Date ____ Date ____ Map No. ____ Indexed G. J. GALLE Date ____

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WATERWORKS DISTRICT Nº29

J.N. 5292.87

PIPELINE MONUMENTS

PROFILE ON SURVEY MONUMENTS FOR CHECK ON VERTICAL MOVEMENT IN SLIDE AREA ON PACIFIC COAST HWY. ELY. OF INTERSECTION OF SUNSET BLVD. & WLY. OF BEL-AIRE BAY CLUB ROAD. ELEVATION DATUM IS COUNTY OF LOS ANGELES PRECISE LEVEL NET LINE Nº 4B 1964 ADJ.

FEB. 17, 1966

STATION	B.S.	H.I.	F.S.	ELEV.
	REF. F.B. 3164			

PARTY
L.V. SMITH
R.L. STRADER
M.E. WACKER
E.M. GOSHORN

76-L298 CE 307 3-61

76-L298 CE 307 3-61

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
B.M. 48-47A	6824	22633		15809	B.M. 48-47A F.B. 1369-135 1964 Adjusted El. 15.809 (CITY of L.A. N-55) Pacific Coast Hwy, 1.3 miles N.Wly. of Chautauqua Blvd. off the entrance to the Palisades Trailer Bowl (1960). 66.6± ft. Wly. of the end of the Conc. brick wall, at the east edge of the drive-way to the trailer park, 64.2 FT. Sly. of of a fire hydrent & 16.0 ft. Soly. of the approximate ctr. Ln. of the Hwy., in a well and protected by a cast iron cover marked "L.A. CITY ENGINEERING MONUMENT." A City of Los Angeles disk, stamped "N-55" set about 18" below the pavement.	
T.P.	5557	22641	5549	17084		
T.P.	4911	22484	5068	17573		
T.P.	5683	23718	4449	18035		
T.P.	5717	24195	5240	18478		
T.P.	6154	25044	5305	18890		
T.P.	5003	25016	5031	20013		
B.M. 48-49	5771	25213	5574	~~19442~~ 19423	B.M. 48-49 F.B. 1369-43 1964 Adjusted El. 19.423 (TOPANGA CANYON G-8) (CITY OF L.A. B.M. 14-03510) Pacific Coast Hwy 1.7 miles North Wly. of W. Channel Rd., about 144 FT N.Ely. of the ctr. Ln. intersection of the Hwy and a Private Rd. to the Bel Air Bay Club, 40.3 ft. Sly. of a SPK. & Tin in P.P.# 115409-M & 3.5 ft North of the ctr. stripe of the Hwy. A City of Los Angeles Traverse station Monument.	

F.B. 3264 Pg. 100
Job No. 529287 Division No. Notes Red Plotted Profile
Survey of W.W. Dist. No. 29 Date Date No. X-Sec.
Survey by L.V.S. Notes M.E. WACKER Notes Chkd. Checked No.
Indexed G. J. GALLI Date Date

76-L298 CE 307 3-61

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STATION	B. S.	H. I.	F. S.	ELEV.		
		25213				
B.M. 48-50	4174	24786	4601	20583 ~~20612~~	B.M. 48-50 F.B. 1369-43 1964 Adjusted EL: 20.583 (U.S 2985)(U.S.C.&G.S. H-576)(City of L.A. B.M. 14-03550) Pacific Coast Hwy. 0.9 miles Easterly of the Castellammare over-head Bridge at the northwest corner of the intersection of a private road & the Bel Air Bay Club. 35 Ft. west of the ctr. Ln. of the private Rd. & 6 Ft East of a catch basin, in the top of the curb return. A USC & G.S disk, stamped "H 576 1939"	
T.P.	4750	25079	4457	20329		
T.P.	4469	23597	5951	19128		
T.P.	6061	25697	3961	19636		
T.P.	6351	29881	2167	23530		
B.M. 48-51	3279	27291	5869	23989 ~~24012~~	B.M. 48-51 F.B. 1369-45 1964 Adjusted EL=23.989 (CITY OF L.A. B.M 14-03610) Pacific Coast Hwy. on The ctr. Line P.I. 2.04 Northwesterly of W. Channel Rd. 112.7 Ft. Sothwesterly of P.P. # 14857Y & 30.0 Ft Southeasterly of P.P. # 73957M. A City of Los Angeles hexagonal bar survey Monument.	
B.M. #1	2999	27208	3082	24186 ~~24209~~	B.M. #1 PG. 92	
B.M #2	6003	28211	5000	22185 ~~22208~~	B.M. #2 PG. 93	
2-A			1544	1275 ~~1277~~	X on water main	PG. 93
B.M. #3	6188	28744	5655	22533 ~~22556~~	B.M. #3 PG. 93	
B.M. #4	6630	29227	6147	22514 ~~22597~~	B.M. #4 PG. 93	
4-A			1682	1239 ~~1241~~	X on water main	PG. 93
B.M. #5	6733	30077	5883	23321 ~~23344~~	B.M. #5 PG. 94	

Profile Notes Red ____ Plotted ____ Job No. 5292.87 Division No. ____ F.B. 3264 Pg. 101
No. ____ Date ____ Date ____ Survey of W.W. DIST. No 29
X-Sec. Notes Chkd. ____ Checked ____ Survey by L.Y.S. Notes M.E.W. Date FEB. 1966
No. ____ Date ____ Date ____ Map No. ____ Indexed J. GALLI Date ____

76-L298 CE 307 3-61

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STATION	B.S.	H.I.	F.S.	ELEV.		
		30077				
B.M. #6	5918	29618	6377	23677 ~~23700~~	B.M. #6 PG. 94	
B.M. #7	5727	29776	5569	24026 ~~24049~~	B.M. #7 PG. 94	
B.M. #8	5691	29829	5638	24115 ~~24138~~	B.M. #8 PG. 95	
B.M. #9	5750	29494	6085	23721 ~~23744~~	B.M. #9 PG. 95	
B.M. #10	5930	29183	6241	23230 ~~23253~~	B.M. #10 PG. 95	
10-A			1279	1637 ~~1639~~	X on water main	PG. 95
B.M. #11	5948	29179	5952	23208 ~~23231~~	B.M. #11 PG. 96	
12-A			1345	1571 ~~1573~~	X on water main	PG. 96
B.M. #12	4944	28233	5890	23266 ~~23289~~	B.M. #12 PG. 96	
B.M. #13	5168	27346	6055	22155 ~~22178~~	B.M. #13 PG. 96	
T.P.	4506	26363	5489	21857		
T.P.	4371	25425	5309	21054		
T.P.	4790	24433	5782	19643		
T.C. F-8C	6023	24403	6053	18357 18380	T.C. F-8C (L.A. City F.B. 3T.C-2) Pacific Coast Hwy. & Sunset Blvd. South side of Hwy. on ctr. ln. of Sunset Blvd. ctr. ln. Prod. From ctr. ln. Intersection Pacific Coast Hwy. & Sunset Blvd. 63.9 Ft. A City of Los Angeles Travers Sta. Monument, Marked "TOPANGA CYN. F-8C	
B.M. 48-53			6284	18096 18119	B.M. 48-53 F.B. 1369-46 1964 Adjusted EL=18.096 (City of L.A. B.M. 14-02430) Pacific Coast Hwy. & Sunset Blvd. Aprox. at the ctr. ln. Intersection. A City of Los Angeles Hexagonal bar survey monument.	

F.B. 3164 Pg. 102
Job No. 5292.87 Division No. 29
Survey of W.W. Dist. No. 29
Survey by L.V.S. Notes M.E. Wacker
Indexed C. J. Gall Date
Notes Red Date
Notes Chkd. Date
Plotted Date
Profile No.
X-Sec. No.
Checked Date

Notes Ck'd by	Survey of W.W. DIST. Nº 29	F. B. 3264 Pg. 103
Map No.	JN 5292.87 Tape 235 Std 84 °F	
Office Work	Surveyed by L.V. SMITH	
Checked	Notes L.V. SMITH Date 2-25-66	
Date	Indexed C. J. GALLI	

WATERWORKS DISTRICT Nº 29

J. N. 5292.87

PIPELINE MONUMENTS

CHECK FOR HORIZONTAL MOVEMENT OF PIPELINE MONUMENTS IN SLIDE AREA ON PACIFIC COAST HWY. ON PORTION OF UNIT Nº 2 OF THE MALIBU BRANCH FEEDER FROM PIPELINE PLUS OF 7+68.79 WLY ALONG PIPELINE TO 43+53.2

FEB 1966

REF:
F.B. 3164

PARTY
L.V. SMITH
R.L. STRADER
M.E. WACKER
F.M. GOSHORN

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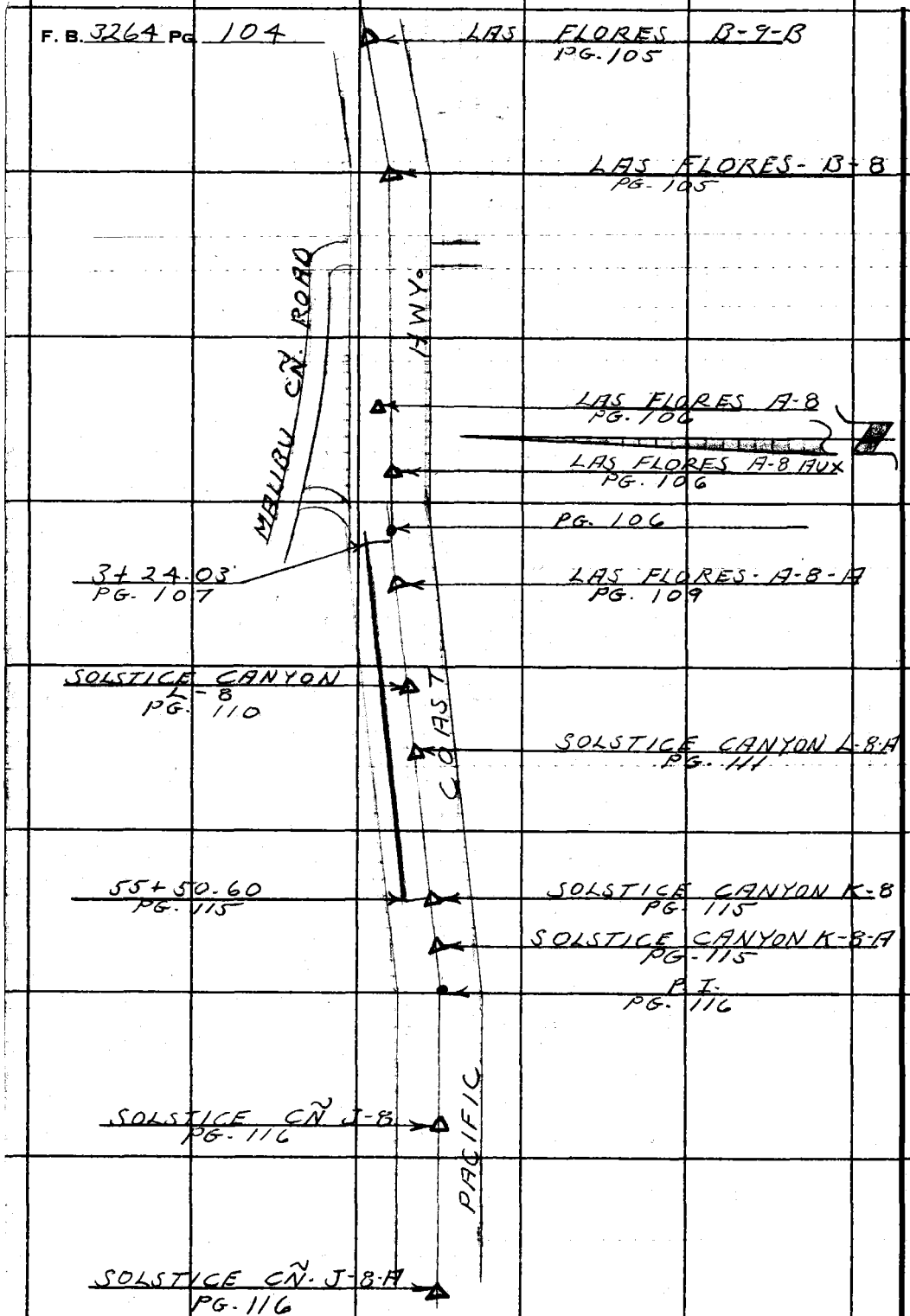
76F3095 CE # 310 3-61

F. B. 3264 PG. 104



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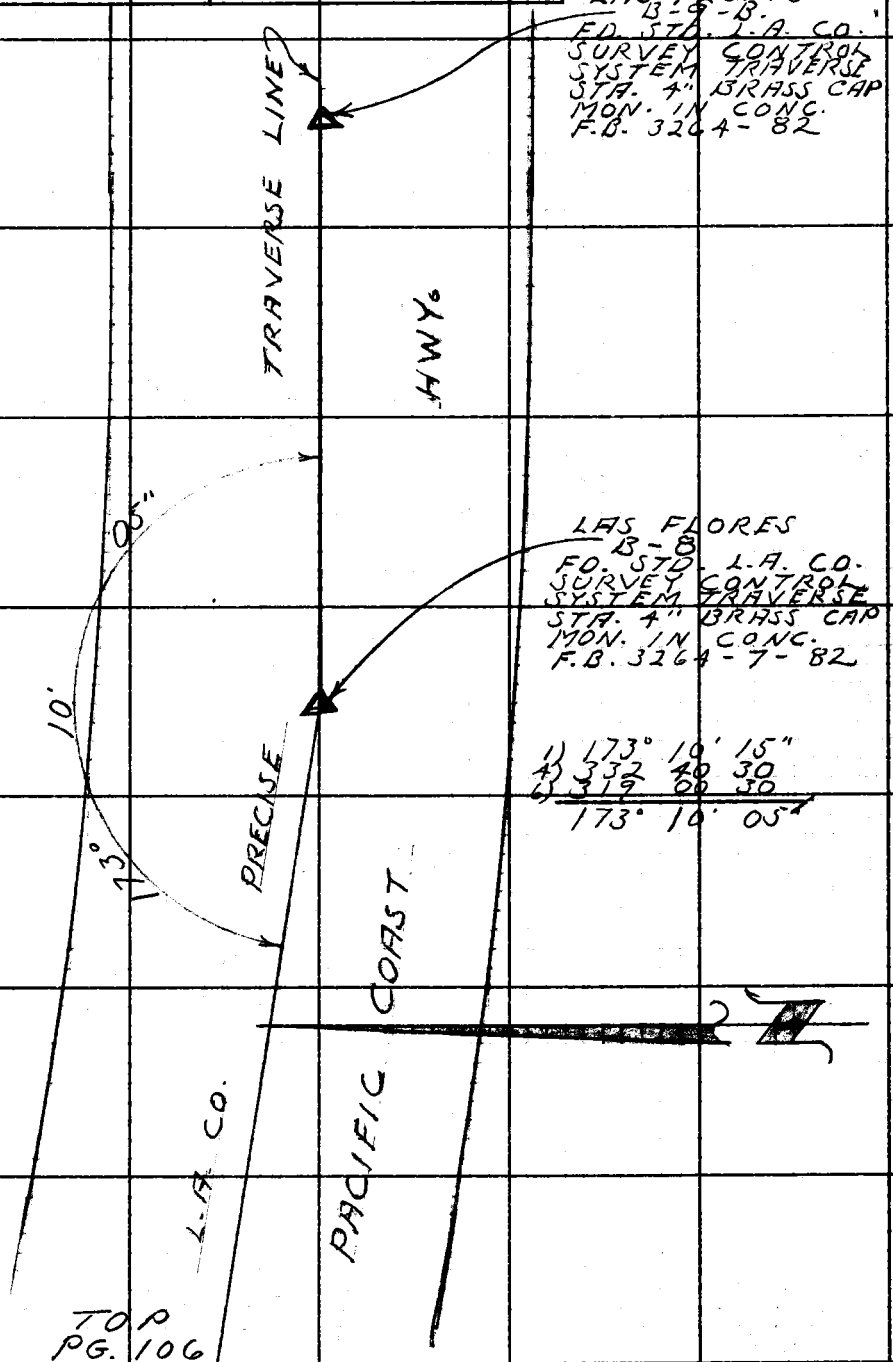
Office Work	Surveyed by L.V. SMITH
Checked	Notes L.V. SMITH Date 2-2/66
Date	Indexed C. J. GALLI

F. B. 3264 PG. 105



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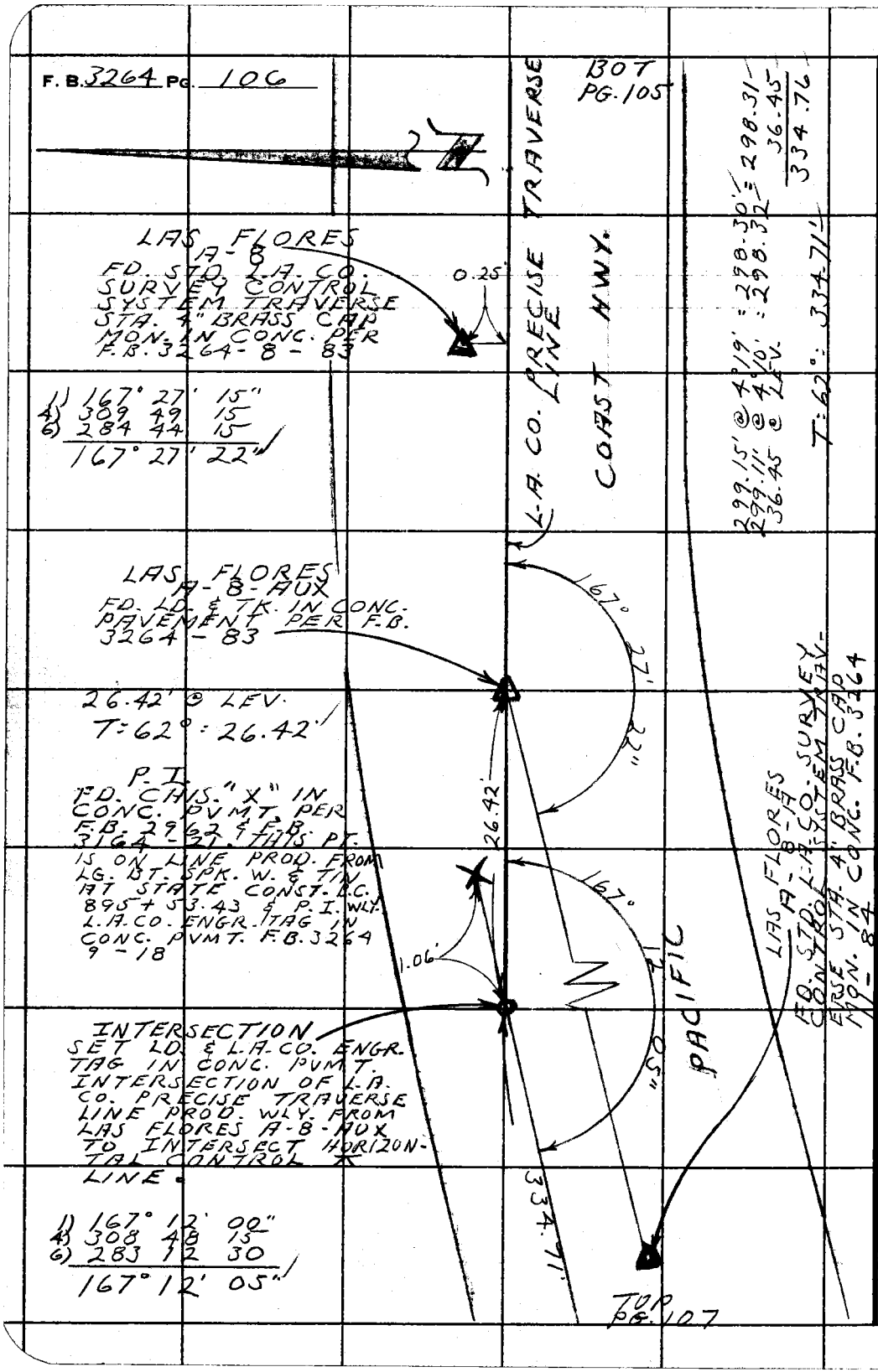
F. B. 3264 Pg. 106



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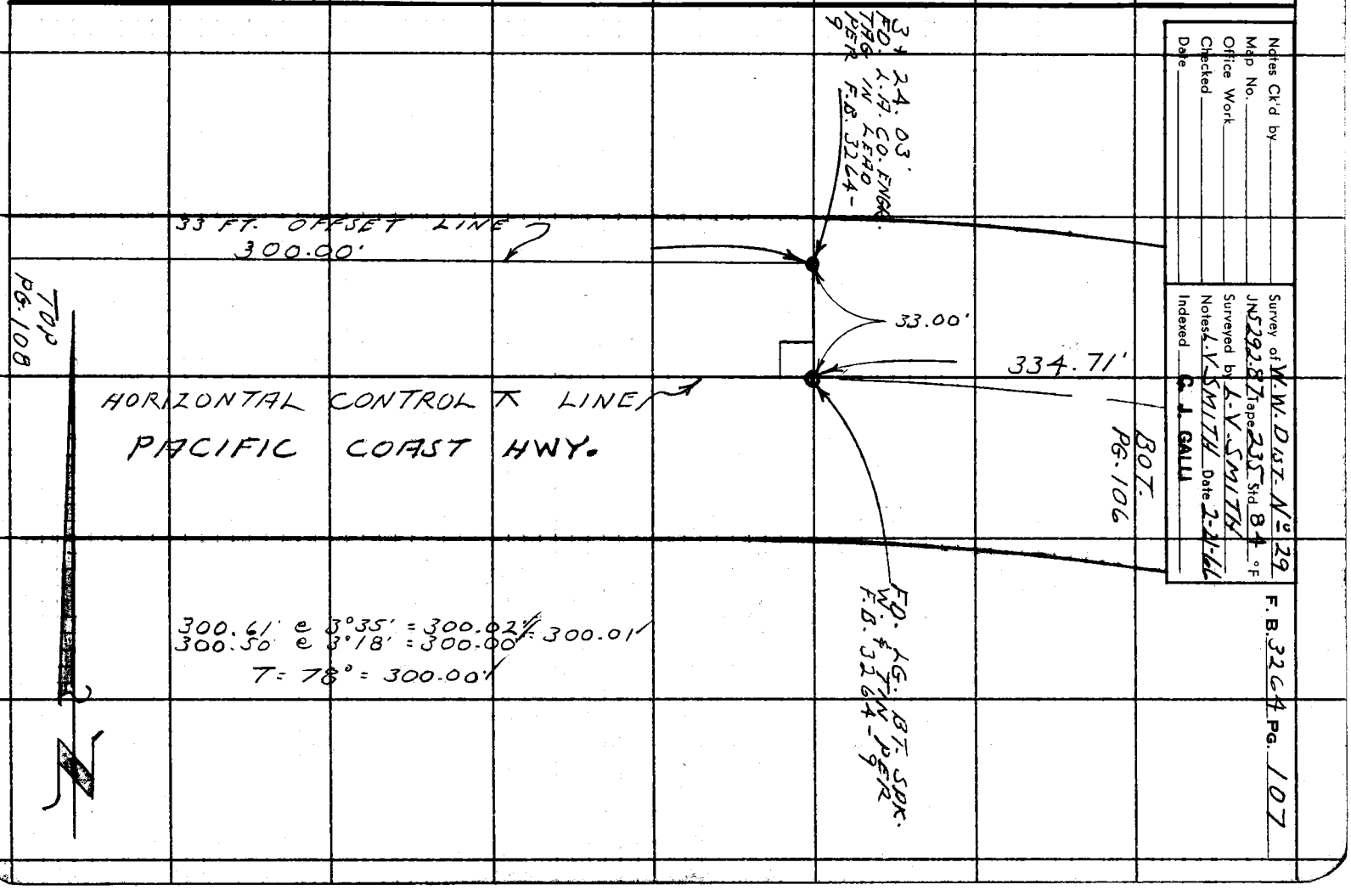

Notes Ck'd by
Map No.
Office Work
Checked
Date

Survey of W.W. DIST. No 29
JN 2292.87 Tape 235 Std 84 °F
Surveyed by L.V. SMITH Date 2-21-66
Notes L.V. SMITH
Indexed G. J. GALLI

F. B. 3264 PG. 107

F. B. 3264 Pg. 108

BOT. PG-107

300.00'

6+24.03
CH. POINT
FD. NAIL
IN PVMT.
F.B. 3264-10

300.25' @ 4°31' = 299.32'
300.21' @ 4°23' = 299.32'
T = 80° = 299.31'

144.82'

HWY.

144.95' @ 2°26' = 144.82'
T = 80° = 144.82'

299.31'

0.19'

#14
7+68.85
FD. 3/4" I.P.
& CAP IN
WELL F.B.
3264-10
SLEEVE
TOUCHES
PIPE

0.05'

#15
9+18.28
FD. 3/4" I.P. & CAP
IN WELL F.B. 3264-10
CAP TOUCHES PIPE

COAST

5.06'

9+23.34
FD. CONC.
NAIL IN
PVMT. F.B.
3264-10

145.16' @ 2°20' = 145.04'
T = 80° = 145.04'

145.04'

PACIFIC

T LINE

33 FT. OFFSET

300.08' @ 3°33' = 299.50'
300.13' @ 3°42' = 299.50'
T = 80° = 299.49'

#16
10+68.38
FD. 3/4" I.P.
& CAP IN
WELL F.B.
3264-10

299.49'

0.08'

TOP
PG. 109'

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Survey of W.W. DIST. N° 29
JN 5292.87 Tape 235 Std. 84 °F
Surveyed by L.V. SMITH
Notes L.V. SMITH Date 2-23-66
Indexed G. J. Galli

F. B. 3264 PG. 109

BOT. PG. 108

299.49

#17
12+17.74'
FD. 3/4" I.P. & CAP IN WELL PER F.B. 3264-11

0.02'

5.09'

12+22.83
FD. CONC. NAIL
F.B. 3264-11

71.15' @ LEV.
T = 80° = 71.15'

71.15'

HWY.

0.02'

LAS FLORES
17-8-A
FD. STD. 4" BR. CAP MON. L.A. CO. TRAV. STA. ON 8" PER F.B. 3264-11

12+93.98'
RESET BT. SPK. W. & TIN ON 33.00' OFFSET LINE F.B. 3264-11

73.24' @ LEV.
T = 80° = 73.24'

73.24'

33.00'

COAST

T LINE

#18
13+67.22
FD. 3/4" I.P. & CAP IN WELL F.B. 3264-11

0.16'

299.84 @ 2°41' = 299.51'
299.89 @ 2°48' = 299.53' 299.52'
T = 80° = 299.51'

299.51'

33 FT. OFFSET LINE

0.41'

#19
15+17.12
FD. 3/4" I.P. & CAP IN WELL F.B. 3264-11

76.37' @ LEV.
T = 80° = 76.37'

76.37'

PACIFIC

15+93.49'
RESET CONC. NAIL ON 33.00' OFFSET LINE F.B. 3264-11

73.53' @ LEV.
T = 80° = 73.53'

73.53'

#20
16+67.02'
FD. 3/4" I.P. & CAP IN WELL F.B. 3264 PG. 11
CAP TOUCHES PIPE

239.70'

0.54'

TOP PG. 110

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F. B. 3264 Pg. 110

BOT PG. 109

239.73' @ LEV.
T = 64° = 239.70'

239.70'

0.14

21
18+16.86'
FD. 3/4" I.P. & CAP IN WELL
F.B. 3264 - 12

16.33' @ LEV.
T = 80° = 16.33'

16.33'

18+33.19'
RESET CONC. NAIL ON 33.00' OFFSET
F.B. 3264 - 12

COAST HWY.

33 FT. OFFSET LINE

0.05'

22
19+67.01'
FD. 3/4" I.P. & CAP IN WELL
F.B. 3264 - 12
CAP TOUCHES PIPE

160.82' @ LEV.
T = 76° = 160.81'

160.81'

26.99' @ LEV.
T = 76° = 26.99'

26.99'

PACIFIC

0.08'

19+94.00'
RESET LG. BT. SPK. W. & TIN ON 33 FT. OFFSET LINE
F.B. 3264 - 12

SOLSTICE CANYON
L-8
FD. STO. 4" BR. CAP L.A. CO. TRAV. STA. MON IN CONC. DN. 8" F.B. 3264 PG. 12

106.61' @ LEV.
T = 64° = 106.60'

106.60'

33.00'

300.51' @ LEV
T = 64° = 300.47'

300.47'

23
21+00.60'
FD. 3/4" I.P. & CAP IN WELL
F.B. 3264 - 12
CAP TOUCHES PIPE

0.12'

TOP PG. 111

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Office Work
Checked
Date

Survey of W.W. DIST. N° 29
JN 292.87 Tape 235 Std 84 °F
Surveyed by L-V- SMITH
Notes L-V- SMITH Date 2-23-66
Indexed D. J. CALLI

F. B. 3264 PG. 111

BOT PG. 110

HWY

300.47'

0.26'

24
22+51.01'
FD. ¾" I.P. & CAP IN WELL PER F.B. 3264-13

43.47' @ LEV.
T: 64° = 43.46'

43.46'

22+94.47'
SET CONC. NAIL ON 33.00' OFFSET LINE F.B. 3264-13

106.10' @ LEV
T: 64° = 106.09'

106.09'

PACIFIC COAST LINE

309.11' @ LEV.
T: 64° = 309.07'

33 FT. OFFSET LINE

309.07'

0.15'

25
24+00.56'
FD. ¾" I.P. & CAP IN WELL PER F.B. 3264-13

0.50

52.99' @ LEV.
T: 64° = 52.98'

52.98'

26
25+50.56'
FD. ¾" I.P. & CAP IN WELL PER F.B. 3264-13
CAP TOUCHES PIPE

0.07'

SOLSTICE CANYON
L-8-A

26+03.54'
SET LG. BT. SPK. W. TIN ON 33.00' OFFSET LINE F.B. 3264-13

FD 4" BRASS CAP L.A.CO. TRAV. STA. MON. IN CONC. DN-12" F.B. 3264-13

99.66'

33.00'

99.67' @ LEV.
T: 68° = 99.66'

300.07'

0.21'

27
27+03.20'
FD. ¾" I.P. & CAP IN WELL PER F.B. 3264-13

TOP PG. 112

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F. B. 3264 Pg. 112

BOT PG-111

300.34' @ 2°11' = 300.12'
300.30' @ 2°02' = 300.11'
T = 66° = 300.07'

50.38' @ LEV.
T = 66° = 50.37'

29+03.61'
SET CONC. NAIL ON 33.00' OFFSET LINE
F.B. 3264-14

98.58' @ LEV.
T = 66° = 98.57'

299.81' @ 1°39' = 299.68'
299.84' @ 1°48' = 299.69' = 299.68'
T = 68° = 299.65'

52.34' @ LEV.
T = 70° = 52.34'

32+03.26'
SET CONC. NAIL ON 33.00' OFFSET LINE
F.B. 3264-14

300.23' @ 2°15' = 300.00'
300.17' @ 2°02' = 299.98' = 299.99'
T = 70° = 299.96'

0.17'
300.07'
50.37'
98.57'
LINE
33 FT. OFFSET
299.65'
0.30'
0.21'
52.34'
LINE
299.96'

28
28+53.24'
F.D. 3/4" I.P. & CAP IN WELL
F.B. 3264-14
CAP TOUCHES PIPE

COAST HWY.

29
30+02.18'
F.D. 3/4" I.P. & CAP IN WELL
F.B. 3264-14

30
31+50.92'
F.D. 3/4" I.P. & CAP IN WELL
F.B. 3264-14

PACIFIC

31
PIPE LOOSE IN WELL

TOP PG-113

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Map No.	JN 5292.87 Tape 235 Std 84 °F
Office Work	Surveyed by L.V. SMITH
Checked	Notes L.V. SMITH Date 2-23-66
Date	Indexed C. J. GALLI

F. B. 3264 PG. 113

BOT. PG. 112

299.96'

32
PIPE LOOSE IN WELL
F.B. 3264 - 15

35+03.22'
SET CONC. NAIL ON
33.00' OFFSET LINE
F.B. 3264 - 15

98.52' @ LEV.
T = 68° = 98.51'

33 FT. OFFSET LINE

98.51'

℄ LINE

PACIFIC COAST HWY.

300.37' @ LEV.
T = 68° = 300.34'

300.34'

33
36+01.73'
FD. 3/4" I.P. & CAP
IN WELL F.B. 3264-15
SLEEVE TOUCHES PIPE

0.04'

51.32' @ LEV.
T = 68° = 51.31'

0.02'

34
37+52.25'
FD. 3/4" I.P. & CAP
IN WELL F.B. 3264-15
CAP TOUCHES PIPE

51.31'

38+03.56'
SET CONC. NAIL ON
33.00' OFFSET LINE
F.B. 3264 - 15

99.48'

99.49' @ LEV.
T = 68° = 99.48'

300.40'

35
39+03.04'
FD. 3/4" I.P. & CAP
IN WELL F.B. 3264-15

0.04'

TOP PG. 114

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76F3098 CE # 310 3-61

F. B. 3264 Pg. 114

300.43' @ LEV.
T = 68° = 300.40'

#36
40 + 51.83'
FD. 3/4" I.P. & CAP IN WELL F.B. 3264 - 16
SLEEVE TOUCHES PIPE

52.14' @ LEV.
T = 68° = 52.13'

41 + 03.96'
SET CONC. NAIL ON 33 FT. OFFSET LINE
F.B. 3264 - 16

97.58' @ LEV.
T = 68° = 97.57'

300.27' @ LEV.
T = 68° = 300.24'

44 + 04.20'
FD. CONC. NAIL ON 33 FT. OFFSET LINE
F.B. 3264 - 16

143.04 @ LEV		= 143.04
157.33 @ LEV.		= 157.33
300.10 @ 2° 02'	= 299.91	= 299.91
300.13 @ 2° 12'	= 299.91	
299.81 @ 0° 56'	= 299.77	= 299.77
299.83 @ 1° 05'	= 299.78	
246.47 @ LEV.		= 246.47
		1146.52

T = 68° = 1146.40

300.40'
0.10
52.13'
97.57'
33 FT. OFFSET LINE
300.24'
0.37'
1146.40'

COAST HWY.
T LINE

BOT. PG. 113

#37
42 + 01.53'
FD. 3/4" I.P. & CAP IN WELL F.B. 3264 - 16

#38
PIPE LOOSE
F.B. 3264 - 16

PACIFIC

TOP PG. 115

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Map No.	JN 5292-87 Tape 235 Std. 84 °F
Office Work	Surveyed by L-V-SMITH
Checked	Notes L. V. SMITH Date 2-25-66
Date	Indexed G. J. GALLI

F. B 3264 PG. 115

BOT PG. 114

33 FT. OFFSET LINE

1146.40' ℄ LINE

PACIFIC COAST HWY.

SOLSTICE CN. K-8

55+50.60'

FD. LG. BT. SPK. W. ℄ TIN. F.B. 3264-17

33.00'

FD. A STD. L.A. CO. SURVEY CONTROL TRAVERSE STA. 4" BRASS CAP MON. IN CONC. F.B. 3264-17

159.98' @ LEV.
T = 72° = 159.97'

159.97'

0.007'

SOLSTICE CANYON K-8-A

FD. A STD. L.A. CO. SURVEY CONTROL TRAV. STA. 4" BRASS CAP MON. IN CONC. PER F.B. 3264-17

40.20' @ LEV.
T = 72° = 40.20'

40.20'

TOP PG. 116

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76F3095 CE # 310 3-61

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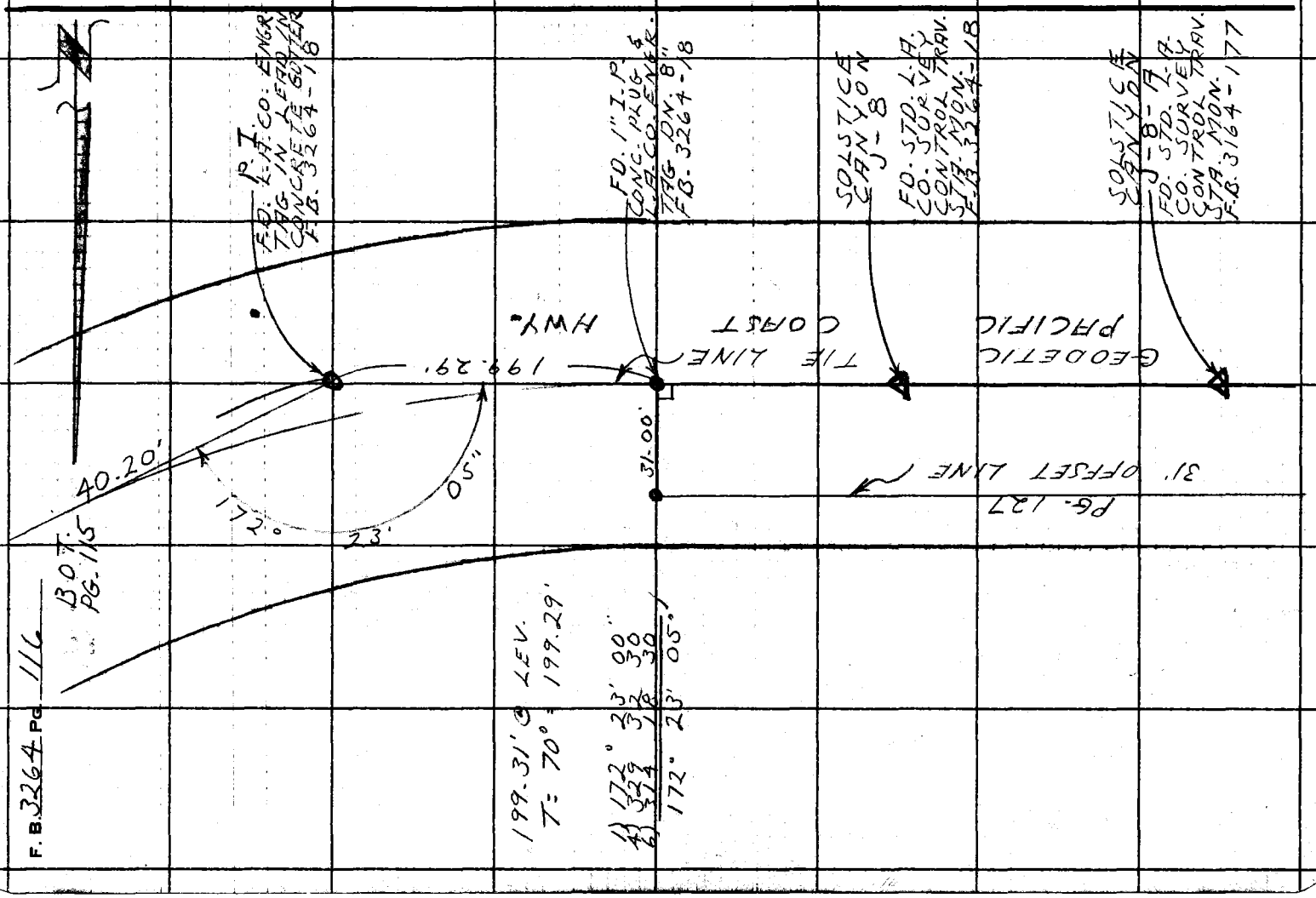

F.B. 3264 Pg. 117

Profile No. ____ Notes Red ____ Plotted ____ Job No. 5292.87 Division No. ____
Date ____ Date ____ Survey of W. W. DIST. No. 29
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by L.V. Smith Notes M.E.W. Date 24 FEB. 66
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

WATERWORKS DISTRICT Nº 29

J.N. 5292.87

PIPELINE MONUMENTS

PROFILE ON SURVEY MONUMENTS FOR CHECK ON VERTICAL MOVEMENT IN SLIDE AREA ON PACIFIC COAST HWY. ON PORTION OF THE MALIBU BRANCH FEEDER FROM PIPELINE PLUS OF 7+68.79 WLY. ALONG PIPELINE TO 43+53.2. PRECISE LEVEL DATUM 1964 ADJUSTMENT.

LEVEL CIRCUIT Nº 48

FEB 24, 1966

STATION	B.S.	H.I.	F.S.	ELEV.
REF. F.B. 3264-19-26				

PARTY
L.V. SMITH
R.L. STRADER
M.E. WACKER
E.M. GOSHORN

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76-1298 CE 307 3-61

76-L298 CE 307 3-61

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STATION	B.S.	H.I.	F.S.	ELEV.		
B.M. 48-81	5250	20486		15236	B.M. 48-81 F.B. 1369-68 1964 Adj. Elev.= 15.236 LAS FLORES B-9-B Pacific Coast Hwy. East of Malibu Cyn. Rd. About 0.15 Miles West of Malibu Creek bridge No. 53-32. in the ctr. of the Hwy Divider strip about 178 Ft. Wly. of the divider strip Curb return. A Los Angeles County Survey Control system traverse Sta. Mon. stamped "LOS FLORES B-9-B" R.E. 329 1950. Set about 6" below surface.	
T.P.	5493	22169	3810	16676		
T.P.	5269	22618	4820	17349		
Los Flores B-8	5147	21838	5927	16687 16691	Los Flores B-8 Pacific Coast Hwy about .25 Miles West of The bridge over Malibu Creek. In the divider strip at State Hwy. B.C. Sta. 924+62.29. A Los Angeles Co. Survey Control system Travers Sta. Mon. Stamped "LOS FLORES B-8 R.E. 329 1950" Set about 8" below surface.	
T.P.	4952	21469	5321	16517		
T.P.	4920	21056	5333	16136		
T.P.	5261	20965	5352	15704		
T.P.	5474	20700	5739	15226		
B.M. 48-82A	5661	20724	5637	~~15063~~ 15054	B.M. 48-82A F.B. 1369-141 1964 Adj. EL.=15.054 Pacific Coast Hwy. & Malibu Cyn. Rd. At the Northeast Corner. 95.4 Ft. Nly. of St. Light No. M 3330, 73.0 Ft. N. Ely. & about 40.7 Ft. Ely. of leads & Tacks in Ely. Curb of Island. In the N.E. Cor. of the Intersection. A County Engr. Brass Disk stamped "E.C.C.C.5 R.E. 5869	
T.P.	5480	20752	5452	15272		
T.P.	6332	22283	4801	15951		

F.B. 3264 Pg. 118
Job No. 5292.50 Division No. 29
Survey of W.W. Dist. No. 29
Survey by L.V.S. Notes M.E. Wacker
Indexed C. J. GALLI Date
Notes Red Date
Notes Chkd. Date
Plotted Date
Checked Date
Profile No.
X-Sec. No.

76-L298 CE 307 3-61

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STATION	B. S.	H. I.	F. S.	ELEV.		
		22283				
T.P.	8721	28197	2807	19476		
T.P.	9991	37518	0670	27527		
T.P.	10262	47019	0761	36757		
T.P.	12008	58538	0489	46530		
B.M. 48-83	11890	68287	2141	56381 56397	LAS FLORES A-8 B.M. 48-83 F.B. 1369-70 1964 Adj. EL=56.451 Pacific Coast Hwy., About 420 ft. Ely. of Malibu Cyn. Rd., 46.8 ft. South Wly. of Power Poll No. 775-299E on the ctr. Ln. of the Hwy. In the ctr. of the devider strip at the E.C. at Hwy Sta. 902+21.75. A L.A. County Survey Control system travers station Mon. Stamped "LAS FLORES A-8 RE. 329 1950" set about 8" below the surface.	
T.P.	10452	77306	1433	66854		
T.P.	11885	87411	1780	75526		
T.P.	8406	95367	0450	86961		
B.M. 48-83A	11950	103050	4267	91080 ~~91100~~	B.M. 48-83A F.B. 1369-139 1964 Adj. EL=91.187 Pacific Coast Hwy. & Malibu Cyn. Rd. in the Catch basin in the Hwy. devider strip, 82.0 Ft. South-Wly. of Power Poll No. 1045723E, 75.0 Ft. South-Wly. of Tel. Poll No. 18600Y & 51.5 Ft. Wly. of State Hwy. Sta. A897+50. A County Engineer brass disk Stamped "B.M." 48-83A RE. 5869 1960	
T.P.	11083	113859	0274	102776		
T.P.	11683	124610	0932	112927		
T.P.	11935	135835	0710	123900	135.10	
#14			072	13512	#14 Pg. 108	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 5292.50 Division No. ____
X-Sec. No. ____ Date ____ Date ____ Survey of W. W. DIST. NO. 29
Notes Chkd. ____ Checked ____ Survey by L. V. Smith Notes M.E.W. Date 24-FEB-66
No. ____ Date ____ Date ____ Map No. ____ Indexed G. J. GALLI Date ____

F.B. 3264 Pg. 119

76-L298 CE 307 3-61

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F.B. 3264 Pg. 120 Job No 5222.50 Division No. Notes Red Plotted Profile
Survey of W.K. DIST. NO. 29 Date Date No. X-Sec.
Survey by L.V.S. Notes M.E. Wacker Notes Chkd. Checked
Indexed C.J. GALLI Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.		
		135 835				
T.P.	11364	146844	0355	135480		
				195 38		
#15			143	145 41	#15 PG. 108	
T.P.	11687	157775	0756	146088		
				155 94		
#16			181	155 97	#16 PG. 108	
T.P.	11407	168682	0500	157275		
				196 11		
#17			227	166 41	#17 PG. 109	
T.P.	8000	176360	0322	168360		
				171 728		
B.M. 48-84	10497	182257	4600	171 760	B.M. 48-84 F.B. 1369-71 1964 Adj. EL.= 171.728 "LOS FLORES A-8A" Pacific Coast Hwy., About 1.0 mile West of the Malibu Creek bridge, on the Ctr. line of the devider str.P, 65.7 Ft. South Ely of Power Poll No. 1017667E, at the Hwy. Sta. 885+82.69 A Los Angeles County survey Control system Traverse Sta. Mon. Stamped "LOS FLORES A-8A R.E. 329 1950", Set about 6" below the surface.	
				17566		
#18			657	~~175 69~~	#18 PG. 109	
T.P.	10353	192128	0482	181775		
				183 32		
#19			878	~~183 35~~	#19 PG. 109	
				189 93		
#20			227	~~189 86~~	#20 PG. 109	
T.P.	7581	198568	1141	190987		
				194 78		
#21			376	~~194 81~~	#21 PG. 110	
T.P.	7110	202610	3068	195500		
				198 28		
#22			431	198 30	#22 PG. 110	

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STATION	B. S.	H. I.	F. S.	ELEV.		
		202610				
				19991		
#23			268	~~19993~~	#23 PG. 110	
T.P.	5392	205431	2571	200039		
				20046		
#24			495	~~20048~~	#24 PG. 111	
				197807		
B.M. 48-85A	7640	205468	7603	~~197828~~	B.M. 48-85A F.B. 1369-140 1964 Adj. EL.=197.807 "U.S.C.&G.S." D-1052" Pacific Coast Hwy. about 1.2 Miles west of the Malibu Creek bride at Hwy Sta. No. A-875+55 on the North side of the Hwy. 84.5 Ft. east of Power Poll No. 1017673E in the Culvert head wall. 1.9 Ft west of the east end. A U.S.C.+G.S. disk stamped "D 1052 1960."	
				19937		
#25			608	~~19939~~	#25 PG. 111	
T.P.	3481	202142	6807	198661		
				19713		
#26			498	~~19716~~	#26 PG. 111	
				196032		
B.M. 48-86	1931	197992	6081	~~196061~~	B.M. 48-86 F.B. 1369-73 1964 Adj. EL.= 196.032 "SOLSTICE CANYON L-8A" Pacific Coast Hwy., about 1.25 miles West of the Malibu Creek Bridge, in the Ctr. of the devider strip at Hwy Sta. 872+73.10. 652 Ft South-Wly. of Power Poll No. 1017674E. A L.A.Co. Survey Control system Travers Sta. Mon. Stamped "SOLSTICE CANYON L-8A R.E. 329 1950" set about 8" below surface	
				129 98		
#27			498	~~19701~~	#27 PG. 111	
T.P.	1753	191754	7991	190001		
				18785		
#28			387	~~18788~~	#28 PG. 112	
				182 28		
#29			944	18231	#29 PG. 112	
T.P.	1648	184520	8882	182872		

Profile Notes Red Plotted Job No. 5292.1 Division No.
No. X-Sec. Date Date Survey of W.W. Dist. No. 29
No. Notes Chkd. Checked Survey by L.Y.S. Notes M.E.V. Date 24. FEB. 66
Date Date Map No. Indexed R. J. GALLI Date "
F.B. 3264 Pg. 121

76-L298 CE 307 3-61

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STATION	B.S.	H.I.	F.S.	ELEV.		
		184520				
#30			757	17693 ~~17695~~	#30 PG. 112	
B.M. 48-87	2519	177739	9300	175196 ~~175220~~	B.M. 48-87 F.B. 1369-74 1964 Adj. El.= 175.196 "SOLSTICE CANYON L-8B" Pacific Coast Hwy., about 1.35 miles West of the Malibu Creek Bridge. In the Ctr. of the devider strip, at Hwy Sta. No. 866+66, 80.0 Ft. South-Ely. of Power Poll No. 1017678E. A L.A. Co. Survey Control System Travers Sta. Mon., Stamped "SOLSTICE CANYON L-8B R.E. 329 1950" Set about 8" below surface.	
T.P.	2647	170828	9558	168181		
#33			712	16369 ~~16371~~	#33 PG. 113	
T.P.	4069	167978	6919	163909		
#34			546	16250 ~~16252~~	#34 PG. 113	
T.P.	4841	167470	5349	162629		
#35			524	16221 ~~16223~~	#35 PG. 113	
#36			590	16155 ~~16157~~	#36 PG. 114	
T.P.	4621	166349	5742	161728		
#37			537	16096 ~~16098~~	#37 PG. 114	
T.P.	4449	165165	5633	160716		
#38			513	16002 ~~16004~~	#38 PG. 114	
T.P.	3314	162290	6189	158976		
T.P.	2500	157707	7083	155207		
T.P.	2603	151999	8311	149396		

F.B. 3264 Pg. 122
Job No. 5292.50 Division No. 29
Survey of W.W. DIST. No. 29
Survey by L.V. Smith Notes M.E. Wacker
Indexed C. J. GALL Date
Notes Red Date
Notes Chkd. Date
Plotted Date
Checked Date
Profile No.
X-Sec. No.

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STATION	B. S.	H. I.	F. S.	ELEV.		
		151 999				
T.P.	2290	146021	8268	143731		
T.P.	3672	142172	7521	138500		
T.P.	4095	142087	4180	137992		
B.M. 48-88	5562	143079	4570	~~137517~~ 137493	B.M. 48-88 F.B. 1369-75 1964 Adj. El. = 137.493 "SOLSTICE CANYON K-8" Pacific Coast Hwy., about 1.8 miles west of Malibu Creek Bridge, at the Mouth of Mazie Cyn., in the ctr. of the devider strip 82.4 Ft. West of the East end at the E.C. at Hwy. Sta. 8H43+26.07. A L.A. Co Survey Control system Traverse Sta. Mon., Stamped "SOLSTICE CANYON K-8 R.E. 329 1950." Set about 10" below surface.	
B.M. 48-89	6350	146229	3200	~~139879~~ 139858	B.M. 48-89 F.B. 1369-75 1964 Adj. El. = 139.858 "SOLSTICE CANYON K-8A" Pacific Coast Hwy., about 1.8 miles west of the Malibu Creek Bridge at the mouth of Mazie Cyn. in the divider strip about 243 Ft. W'ly. of the east end of the strip on the ctr. Line Produced from the east and 1.3 Ft. North of the south curb at Hwy. Sta. 8H+65. A L.A. Co. Survey Control system Traverse Sta. Mon., Stamped "SOLSTICE CANYON K-8A R.E. 329 1950" Set about 10" below the surface.	
T.P.	7554	150102	3681	142548		
T.P.	7319	153735	3686	146416		
T.P.	7302	157747	3290	150445		
T.P.	6994	161292	3449	154298		
T.P.	6305	164856	2741	158551		

Profile Notes Red ____ Plotted ____ Job No. 5282.1 Division No. ____
No. ____ Date ____ Date ____ Survey of W.W. DIST. NO. 29
X-Sec. ____ Notes Chkd. ____ Checked ____ Survey by L.V.S. Notes M.E.W. Date 25-FEB-66
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. Gould Date ____

F.B. 32064 Pg. 123

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F.B. 3264 Pg. 124 Job No. 5292.50 Division No. Notes Red Plotted Profile
Survey of K.W. Dist. No. 29 Date Date No. X-Sec.
Survey by L.Y.S. Notes M.E. Walker Notes Chkd. Checked
Indexed C. J. Gallo Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.		
		164 856		159 719		
B.M. 48-89A			5101	~~159 455~~	B.M. 48-89A F.B. 1369-143 1964 Adj. El= 159.714 "U.S.C. & G.S. E 1052" Pacific Coast Hwy., on the North side, about 2.0 miles west of the Malibu Creek Bridge at the culvert at Hwy. Sta. A 830+50, in the culvert headwall 1 Ft. east of the West end, 44.3 Ft. North of the North curb of the Hwy. divider strip. A U.S.C. & G.S. disk stamped, "E 1052 1960"	

Notes Ck'd by		Survey of W.W. Dist # 29	F. B. 3264 Pg. 185
Map No.		JN 5292.87 Tape 201 Std 60 °F	
Office Work		Surveyed by C. K. Lind	
Checked		Notes Dover Date 2-23-66	
Date		Indexed C. J. GALLI	

WATER WORKS DISTRICT Nº 29

J.N. 5292.87

PIPELINE MONUMENTS

CHECK FOR HORIZONTAL MOVEMENT OF PIPELINE MONUMENTS IN GEOLOGICAL HAZARD STUDY. AREAS ON PACIFIC COAST HWY FROM PIPE LINE PLUS 73+70.53 TO 216+34.6 W'ly FROM A POINT E'ly OF PUERCO CANYON ROAD TO ESCONDIDO CREEK

2-23-66

PARTY
C. K. LIND
R. DOVER
R. SWANN
R. ALMAYIAN

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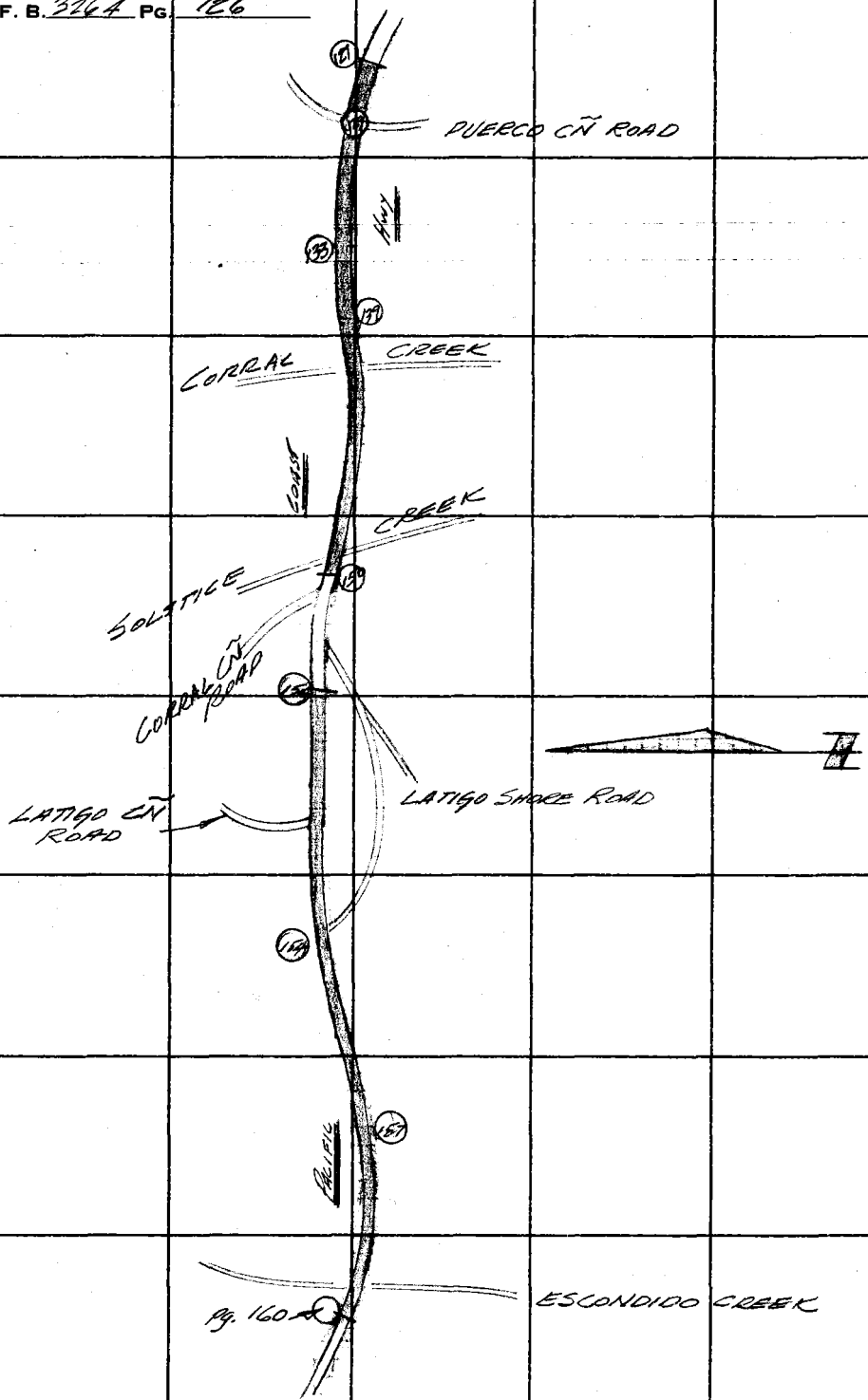

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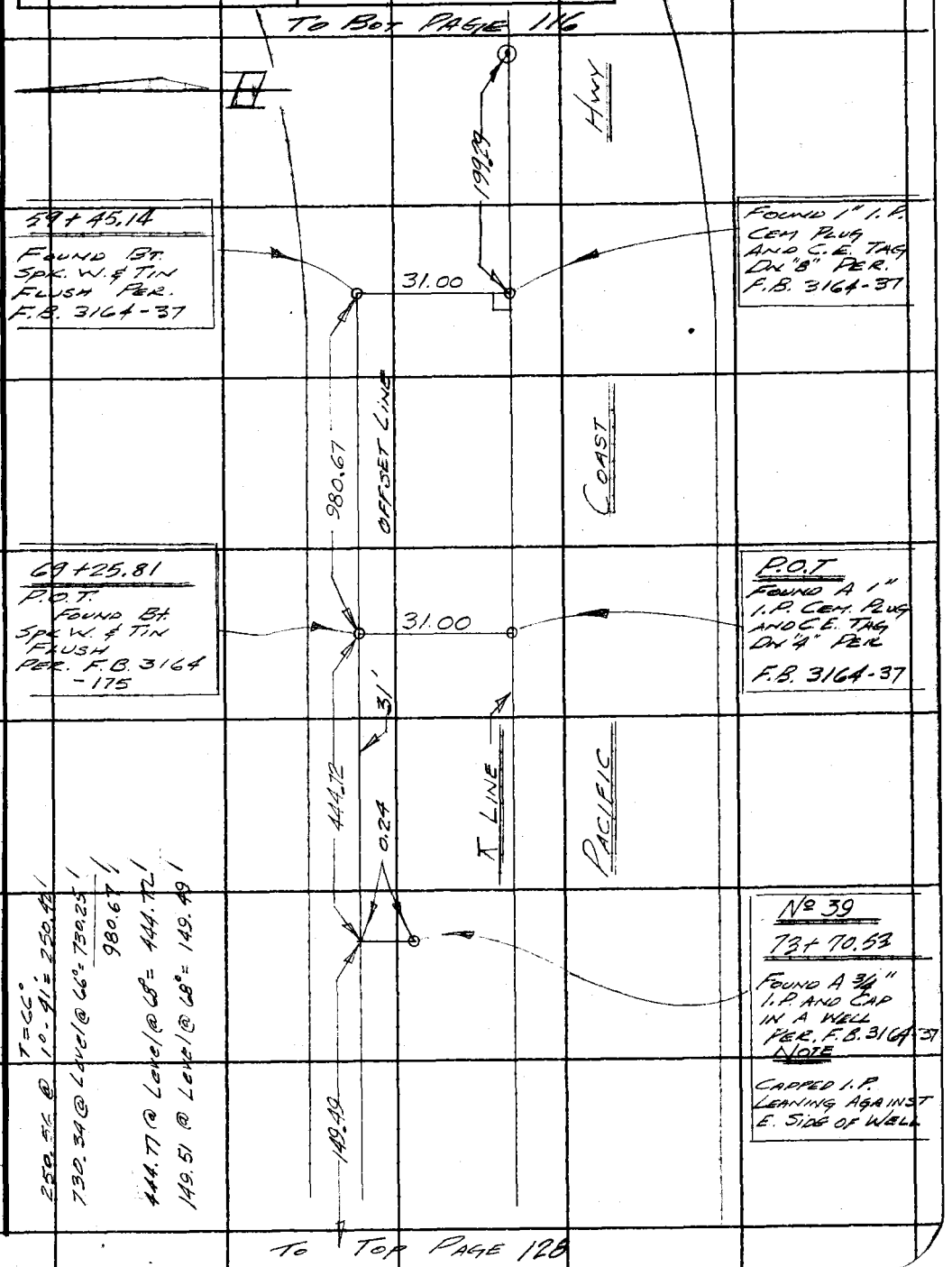
Notes Ck'd by	Survey of W.W. DIST #29	F. B. 3264 PG. 127
Map No.	JN 5292 50 Tape 201 Std 84 °F	
Office Work	Surveyed by C.K. LIND	
Checked	Notes DOVER Date 2-23-66	
Date	Indexed [illegible]	



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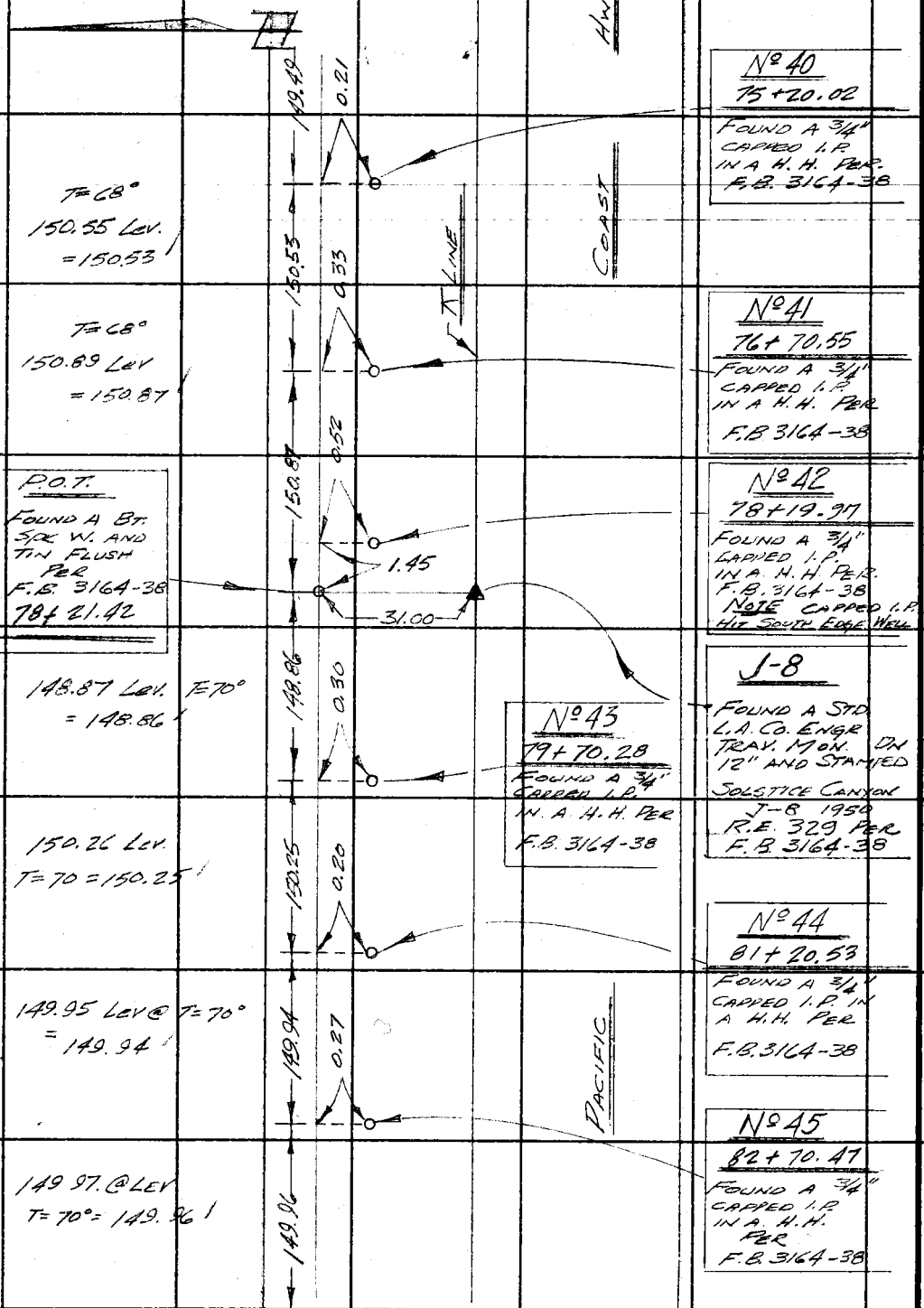
F. B. 3264 PG 128

To Bot Page 127



P.O.T.
Found a Bt. Spk W. and Tin Flush Per F.B. 3164-38
78+21.42

No 40
75+20.02
Found a 3/4" Capped I.P. in a H.H. Per F.B. 3164-38

No 41
76+70.55
Found a 3/4" Capped I.P. in a H.H. Per F.B 3164-38

No 42
78+19.97
Found a 3/4" Capped I.P. in a H.H Per F.B. 3164-38
Note Capped I.P. Hit South Edge Well

No 43
79+70.28
Found a 3/4" Capped I.P. in a H.H. Per F.B. 3164-38

J-8
Found a Std. L.A. Co. Engr. Tray. Mon. on 12" and Stamped Solstice Canyon J-8 1950 R.E. 329 Per F.B. 3164-38

No 44
81+20.53
Found a 3/4" Capped I.P. in a H.H. Per F.B. 3164-38

No 45
82+70.47
Found a 3/4" Capped I.P. in a H.H. Per F.B. 3164-38

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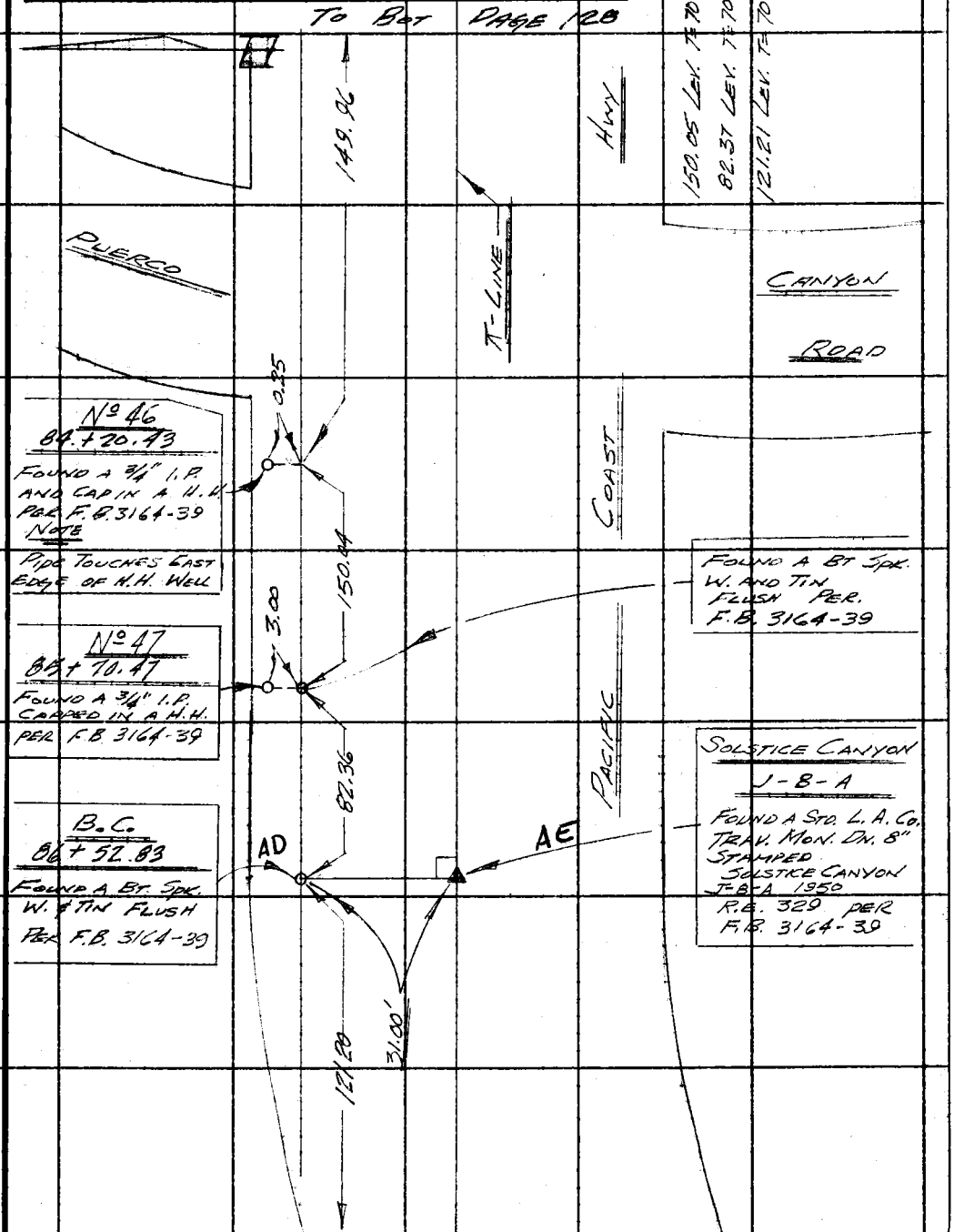
Notes Ck'd by	Survey of W.W. DIST. # 29
Map No.	JN 5292.50 Tape 201 Std 84 °F
Office Work	Surveyed by C.K. LIND
Checked	Notes DOVER Date 2-23-66
Date	Indexed C. J. GALLI

F. B. 3264 PG. 129



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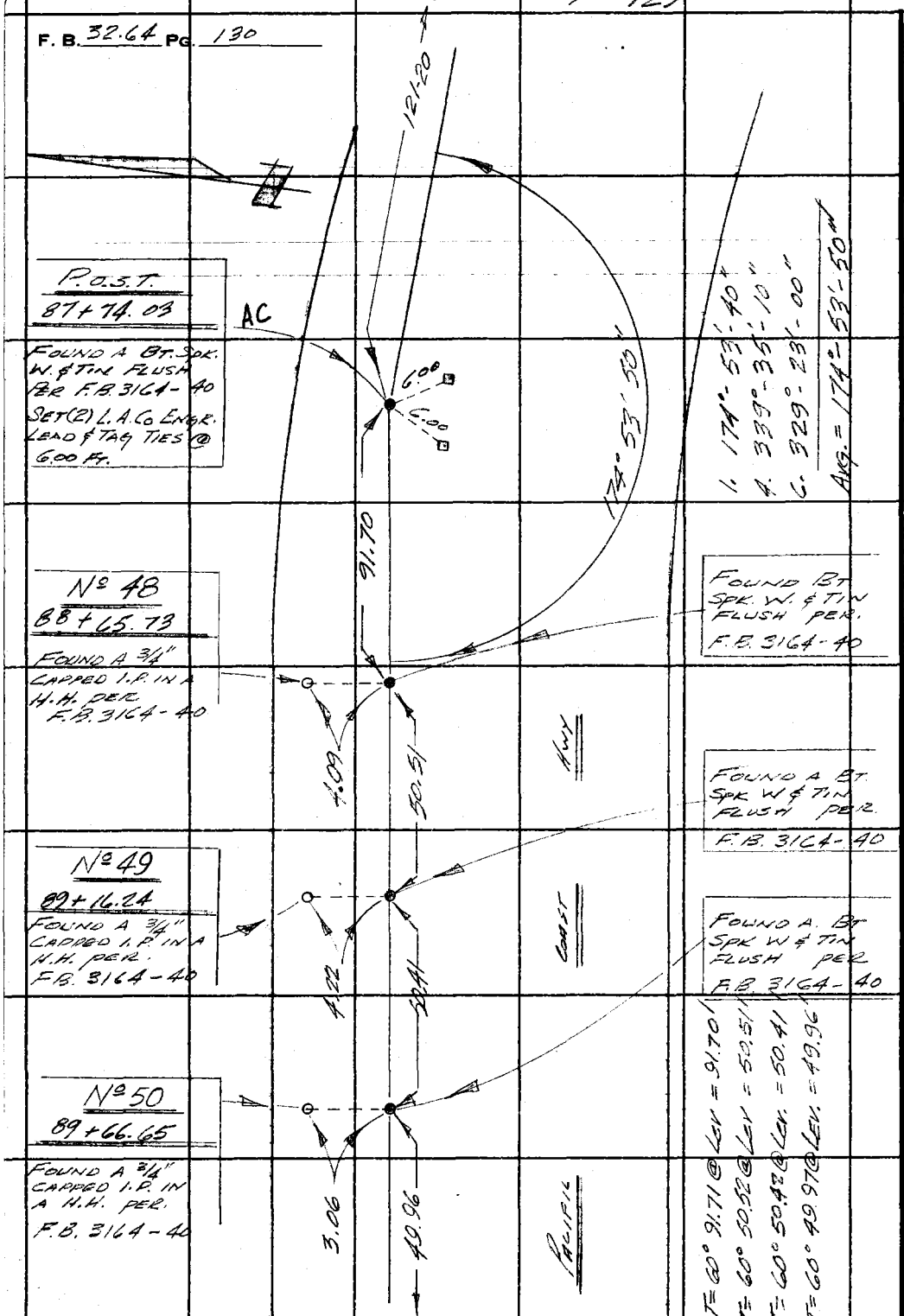
F. B. 32.64 PG. 130



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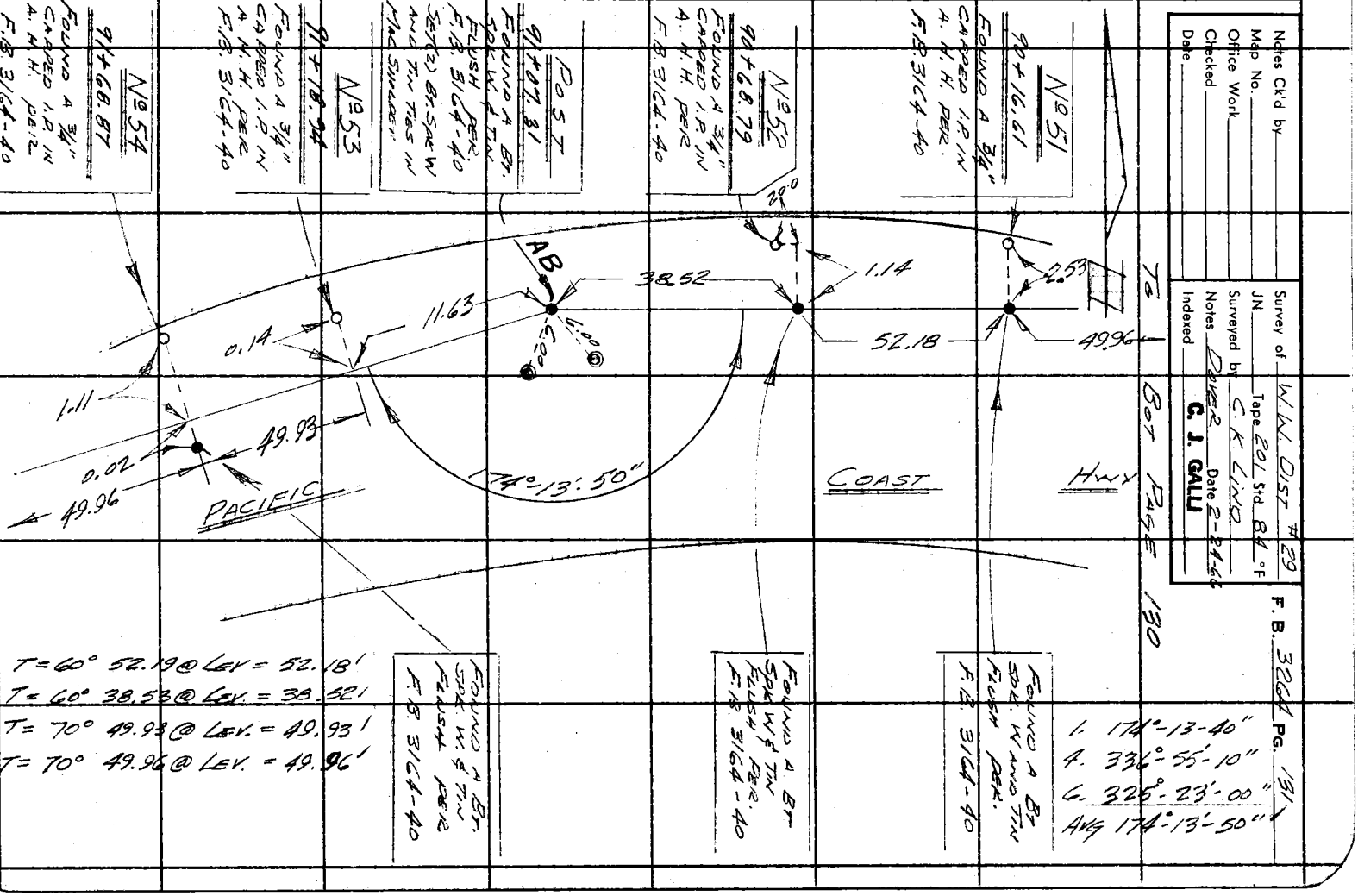
Notes Ck'd by
Map No.
Office Work
Checked
Date

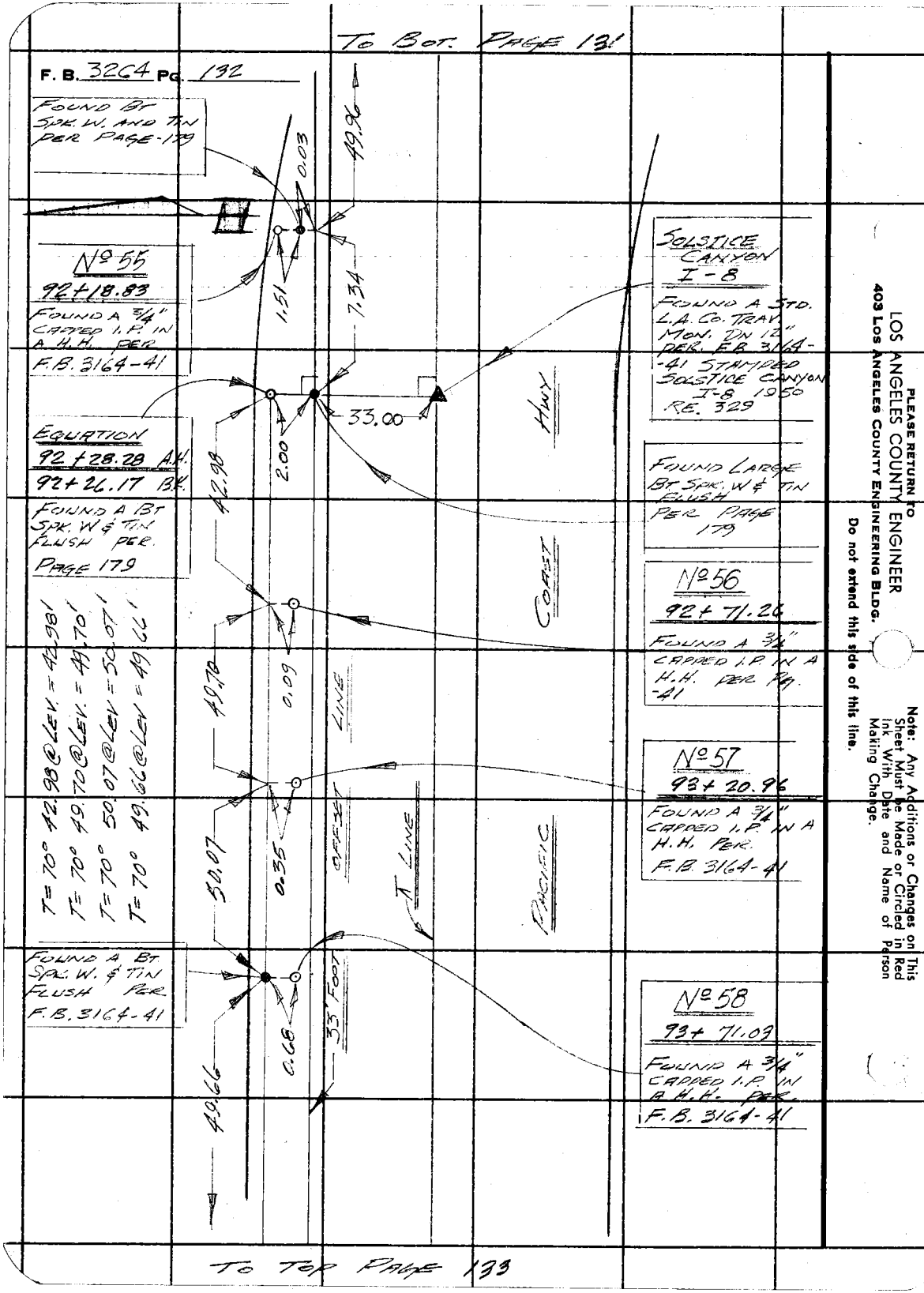
Survey of W.W. Dist #29
JN Tape 20L Std. 84 °F
Surveyed by C.K. LIND
Notes PAPER Date 2-24-61
Indexed C. J. GALLI

F. B. 3264 PG. 131



T = 60° 52.19 @ Lev. = 52.18'
T = 60° 38.53 @ Lev. = 38.52'
T = 70° 49.93 @ Lev. = 49.93'
T = 70° 49.96 @ Lev. = 49.96'

1. 174°-13-40"
4. 336°-55-10"
6. 325°-23-00"
AVG 174°-13'-50"



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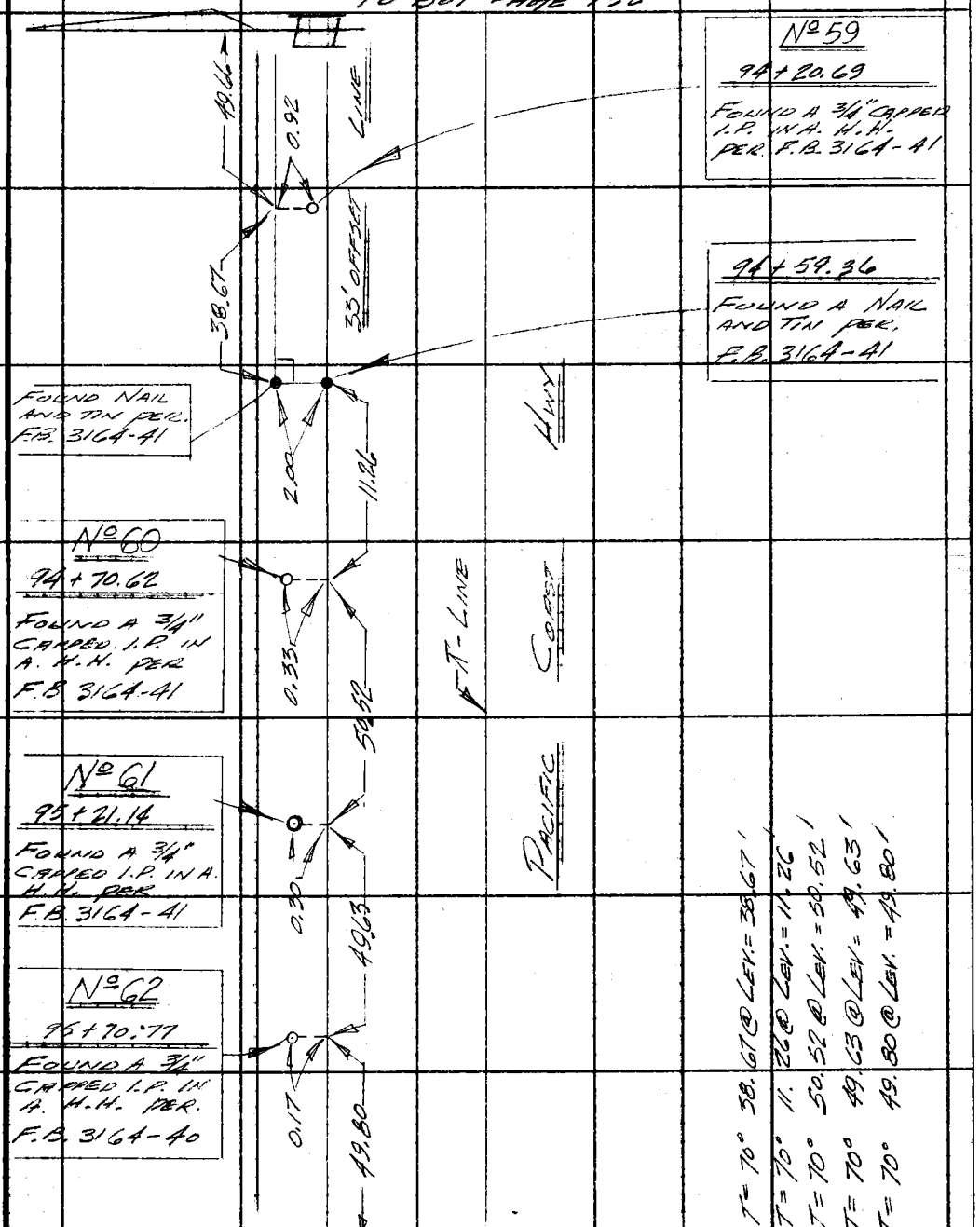
Notes Ck'd by	Survey of W.W. DIST #29	F. B. 3264 PG. 133
Map No.	JN Tape 201 Std 84 °F	
Office Work	Surveyed by C. K. LIND	
Checked	Notes DOVER Date 2-24-66	
Date	Indexed C. J. GALLI	

TO BOT PAGE 132



Nº 59
94 + 20.69
FOUND A 3/4" CAPPED I.P. IN A. H.H. PER. F.B. 3164-41

94 + 59.36
FOUND A NAIL AND TIN PER. F.B. 3164-41

Nº 60
94 + 70.62
FOUND A 3/4" CAPPED I.P. IN A. H.H. PER F.B. 3164-41

Nº 61
95 + 21.14
FOUND A 3/4" CAPPED I.P. IN A. H.H. PER F.B. 3164-41

Nº 62
95 + 70.77
FOUND A 3/4" CAPPED I.P. IN A. H.H. PER. F.B. 3164-40

T = 70° 38.67 @ LEV. = 38.67'
T = 70° 11.26 @ LEV. = 11.26'
T = 70° 50.52 @ LEV. = 50.52'
T = 70° 49.63 @ LEV. = 49.63'
T = 70° 49.80 @ LEV. = 49.80'

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76F3095 CE # 310 3-61

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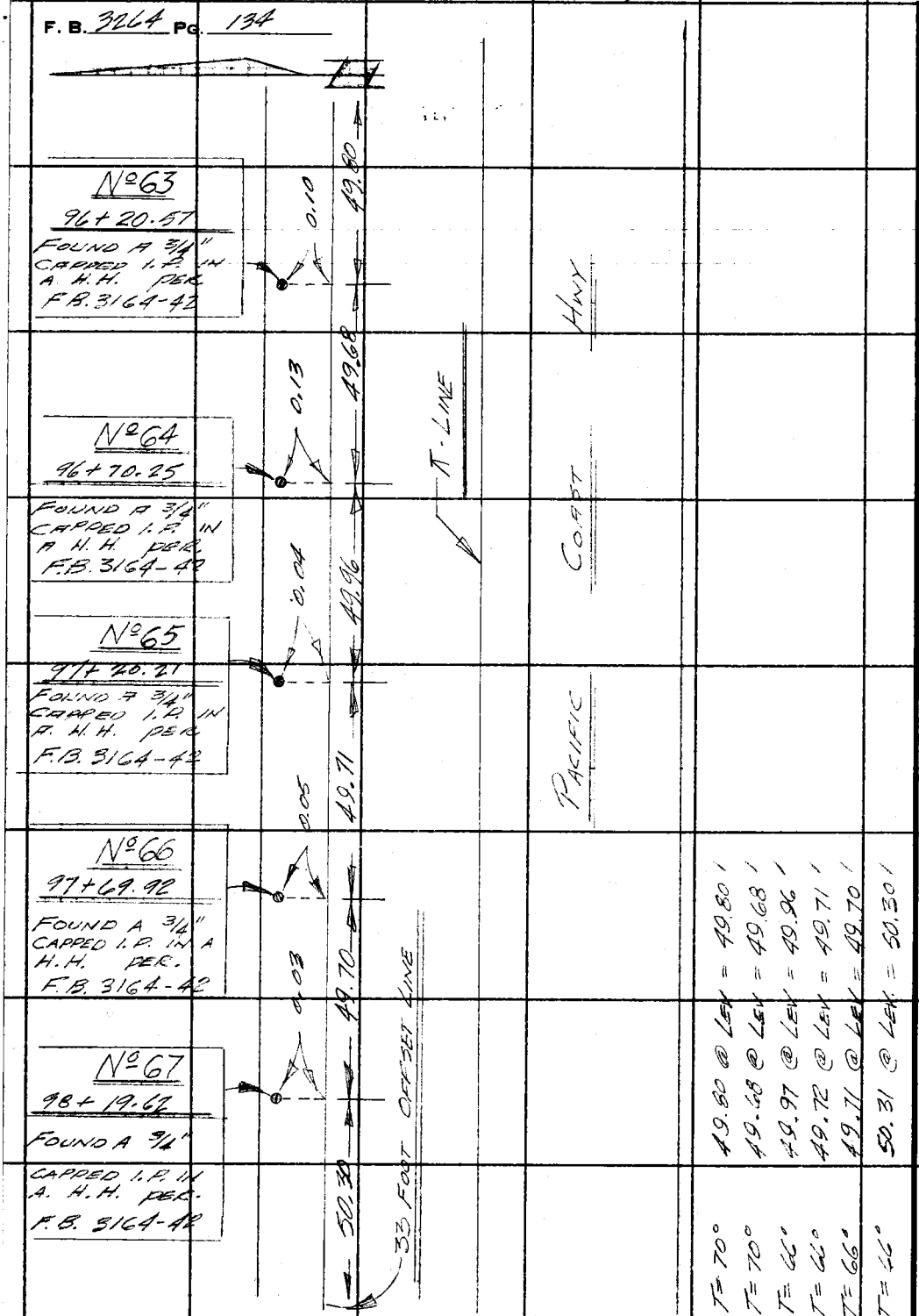
F. B. 3264 Pg. 134



To Top Page 135

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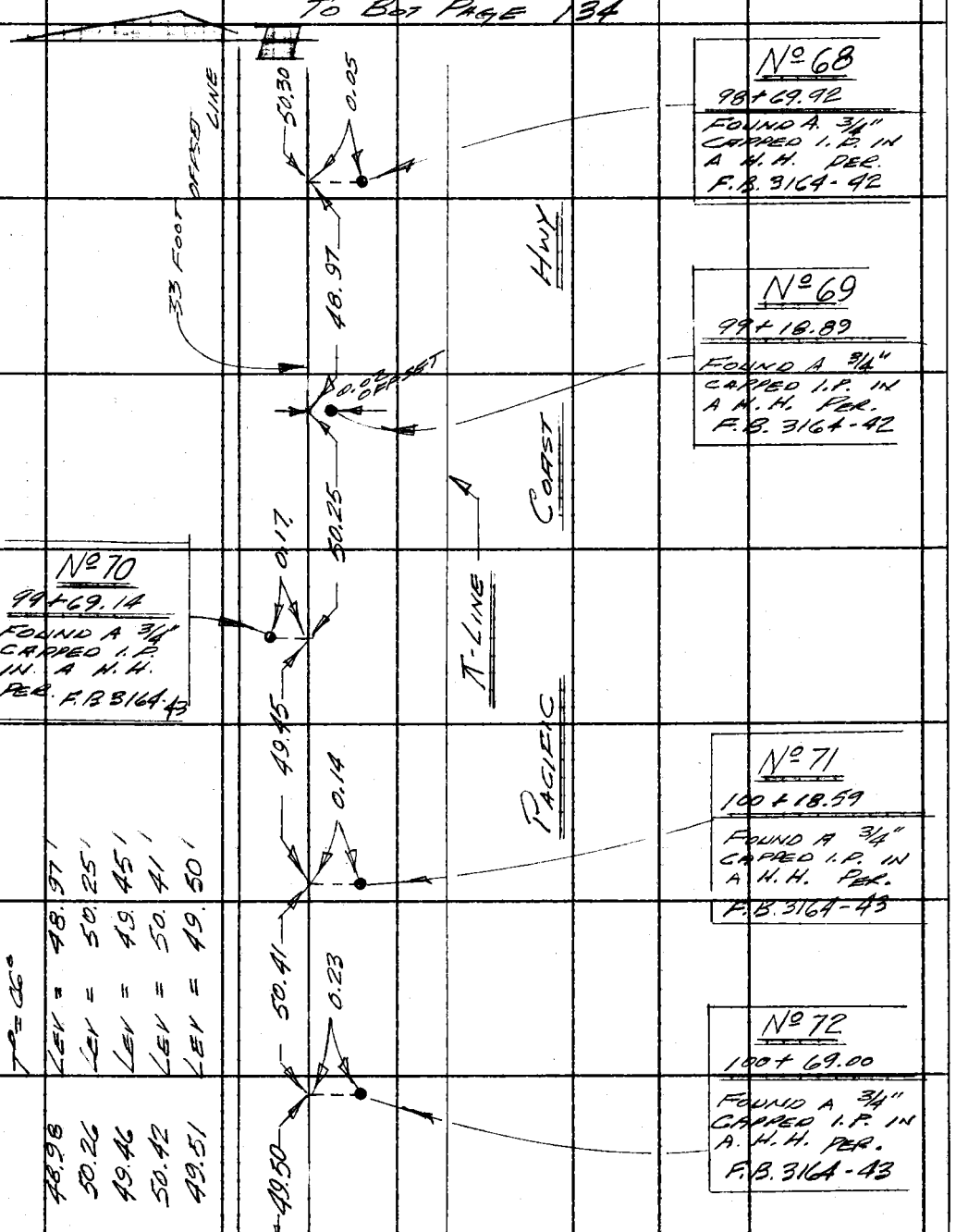
Notes Ck'd by	Survey of W.W. DIST # 29	F. B. 3264 PG. 135
Map No.	JN 529287 Tape 201 Std 84 °F	
Office Work	Surveyed by C.K. LIND	
Checked	Notes DOVER Date 2-24-66	
Date	Indexed C. J. GALLI	

TO BOT PAGE 134



Nº 68
98+69.92
FOUND A 3/4" CAPPED I.P. IN A H.H. PER. F.B. 3164-42

Nº 69
99+18.89
FOUND A 3/4" CAPPED I.P. IN A H.H. PER. F.B. 3164-42

Nº 70
99+69.14
FOUND A 3/4" CAPPED I.P. IN A H.H. PER. F.B. 3164-43

Nº 71
100+18.59
FOUND A 3/4" CAPPED I.P. IN A H.H. PER. F.B. 3164-43

Nº 72
100+69.00
FOUND A 3/4" CAPPED I.P. IN A H.H. PER. F.B. 3164-43

T° = 66°		
48.98	LEV =	48.97'
50.26	LEV =	50.25'
49.46	LEV =	49.45'
50.42	LEV =	50.41'
49.51	LEV =	49.50'

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F. B. 3264 PG. 136

49.50 0.16

50.30 LEV.
T=66° = 50.29'

50.29 0.03

49.27 LEV.
T=66° = 49.26'

49.26 0.26

49.89 LEV.
T=66° = 49.88'

49.88 0.40

50.13 LEV.
T=66° = 50.12'

50.12 0.21

49.71 LEV.
T=66° = 49.70'

49.70 0.21

50.21 LEV.
T=66° = 50.20'

50.20

HWY

T-LINE

COAST

PACIFIC

Nº 73
101+18.50
FOUND 3/4" CAPPED I.P. IN A.H.H. PER F.B. 3164-43

Nº 74
101+68.79
FOUND A 3/4" CAPPED I.P. IN A.H.H. PER F.B. 3264-38. F.B. 3164-43
NOTE! "NOT" TOUCHING EDGE OF WELL

Nº 75
102+18.05
FOUND A 3/4" CAPPED I.P. IN A.H.H. PER F.B. 3164-43

Nº 76
102+67.93
FOUND A 3/4" CAPPED I.P. IN A.H.H. PER F.B. 3164-43

Nº 77
103+18.05
FOUND 3/4" CAPPED I.P. IN A H.H. PER F.B. 3164-43

Nº 78
103+67.75
FOUND 3/4" CAPPED I.P. IN H.H. PER 3164-43

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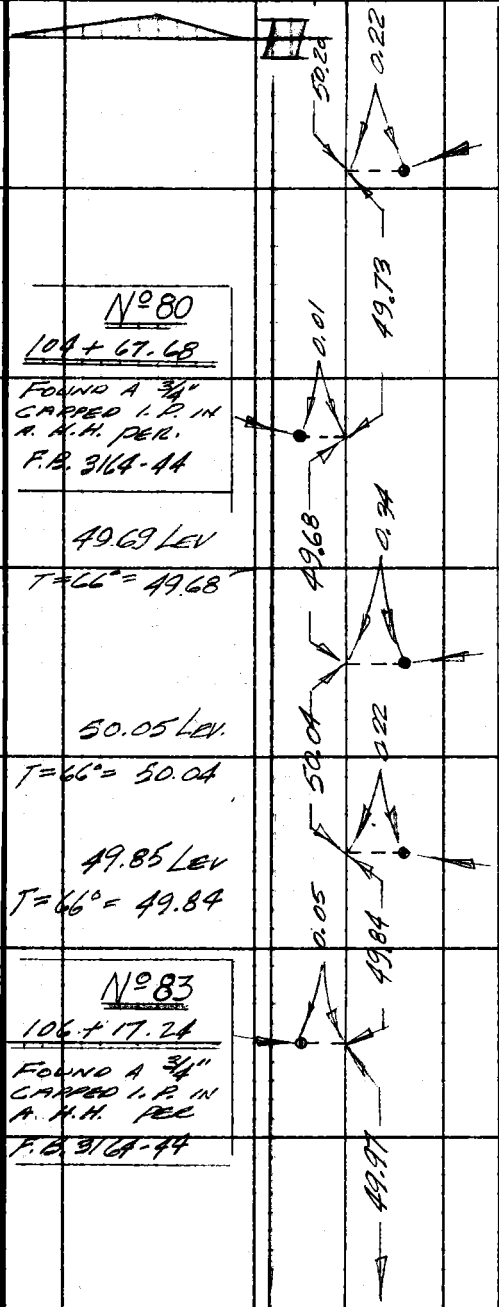
Office Work
Checked
Date

Survey of N.W. DIST # 29
JN 5292.67 Tape 201 Std 84 °F
Surveyed by C. K. LIND
Notes DAVER Date 2-1966
Indexed G. J. GALLI

F. B. 3264 PG. 137

TO BOT PAGE 136



Nº 79
104+17.95
FOUND A 3/4" CAPPED I.P. IN A. H.H. PER. F.B. 3164-44

49.74 LEV
T=66°= 49.73

Nº 80
104+67.68
FOUND A 3/4" CAPPED I.P. IN A. H.H. PER. F.B. 3164-44

49.69 LEV
T=66°= 49.68

Nº 81
105+17.36
FOUND A 3/4" CAPPED I.P. IN A. H.H. PER F.B. 3164-44

50.05 LEV.
T=66°= 50.04

49.85 LEV
T=66°= 49.84

Nº 82
105+67.40
FOUND A 3/4" CAPPED I.P. IN A. H.H. PER. F.B. 3164-44

Nº 83
106+17.24
FOUND A 3/4" CAPPED I.P. IN A. H.H. PER F.B. 3164-44

49.98 LEV
T=66°= 49.97

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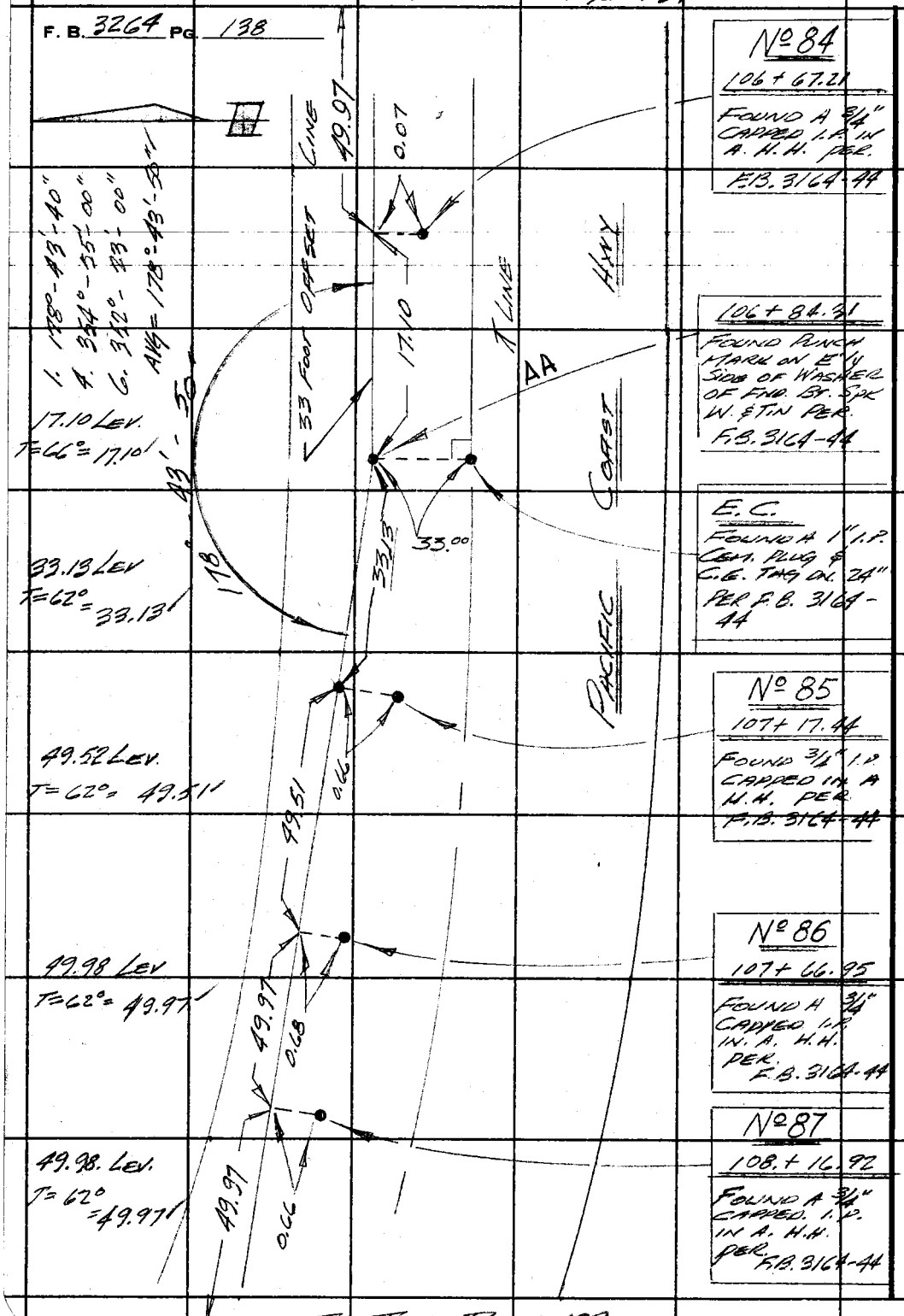
TO BOT PAGE 137

F. B. 3264 PG. 138



Nº 84
106 + 67.21
FOUND A 3/4" CAPPED I.P. IN A. H. H. PER F.B. 3164-44

106 + 84.31
FOUND PUNCH MARK ON E'LY SIDE OF WASHER OF FND. BT. SPK W. & TIN PER F.B. 3164-44

E. C.
FOUND A 1" I.P. CEM. PLUG & C.E. TAG ON 24" PER F.B. 3164-44

Nº 85
107 + 17.44
FOUND 3/4" I.P. CAPPED IN A H.H. PER F.B. 3164-44

Nº 86
107 + 66.95
FOUND A 3/4" CAPPED I.P. IN A. H.H. PER F.B. 3164-44

Nº 87
108. + 16.92
FOUND A 3/4" CAPPED I.P. IN A. H.H. PER F.B. 3164-44

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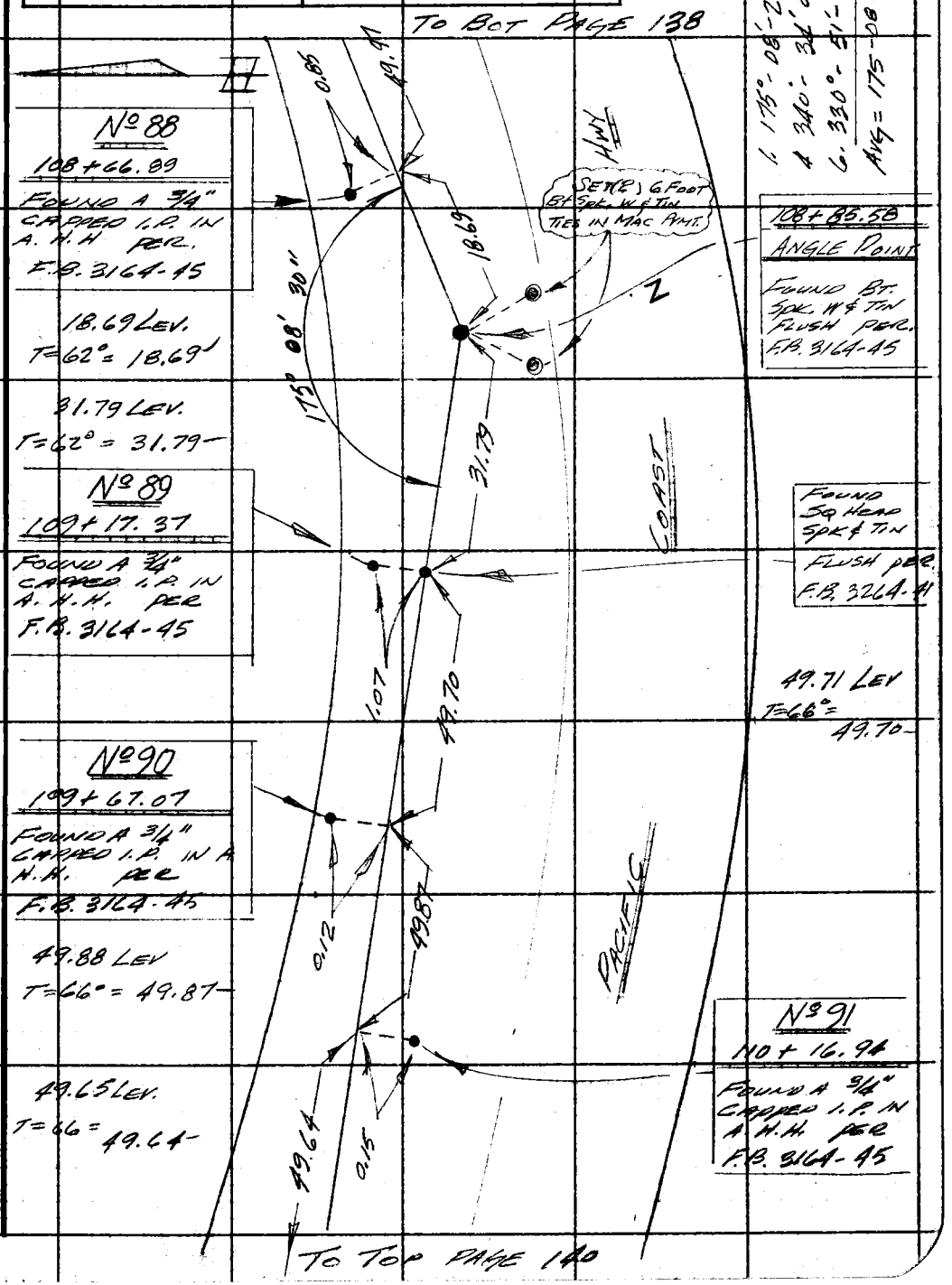
TO TOP PAGE 139

Notes Ck'd by	Survey of W.W. DIST #29	F. B. 3264 PG. 139
Map No.	JN 5292.87 Tape 201 Std 84 °F	
Office Work	Surveyed by C.K. LIND	
Checked	Notes DOVER Date 2-28-66	
Date	Indexed C. J. GALLI	



Nº 88
108+66.89
FOUND A 3/4" CAPPED I.P. IN A.H.H PER. F.B. 3164-45

18.69 LEV.
T=62° = 18.69

31.79 LEV.
T=62° = 31.79

Nº 89
109+17.37
FOUND A 3/4" CAPPED I.P. IN A.H.H. PER F.B. 3164-45

Nº 90
109+67.07
FOUND A 3/4" CAPPED I.P. IN A H.H. PER F.B. 3164-45

49.88 LEV
T=66° = 49.87

49.65 LEV.
T=66 = 49.64

108+85.58
ANGLE POINT
FOUND BT. SPK. W & TIN FLUSH PER. F.B. 3164-45

FOUND SQ HEAD SPK & TIN FLUSH PER. F.B. 3264-41

49.71 LEV
T=66° = 49.70

Nº 91
110+16.94
FOUND A 3/4" CAPPED I.P. IN A.H.H. PER F.B. 3164-45

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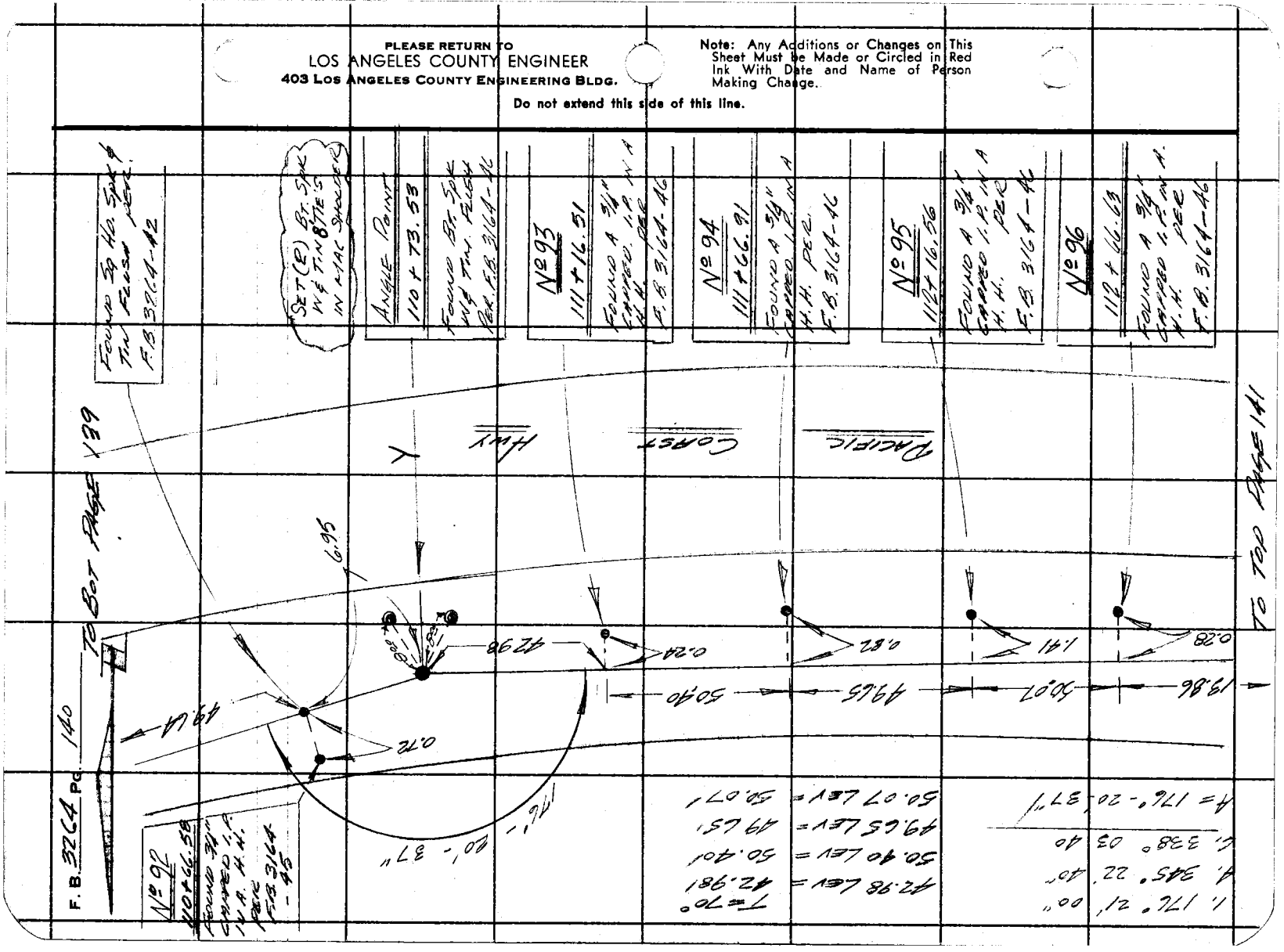
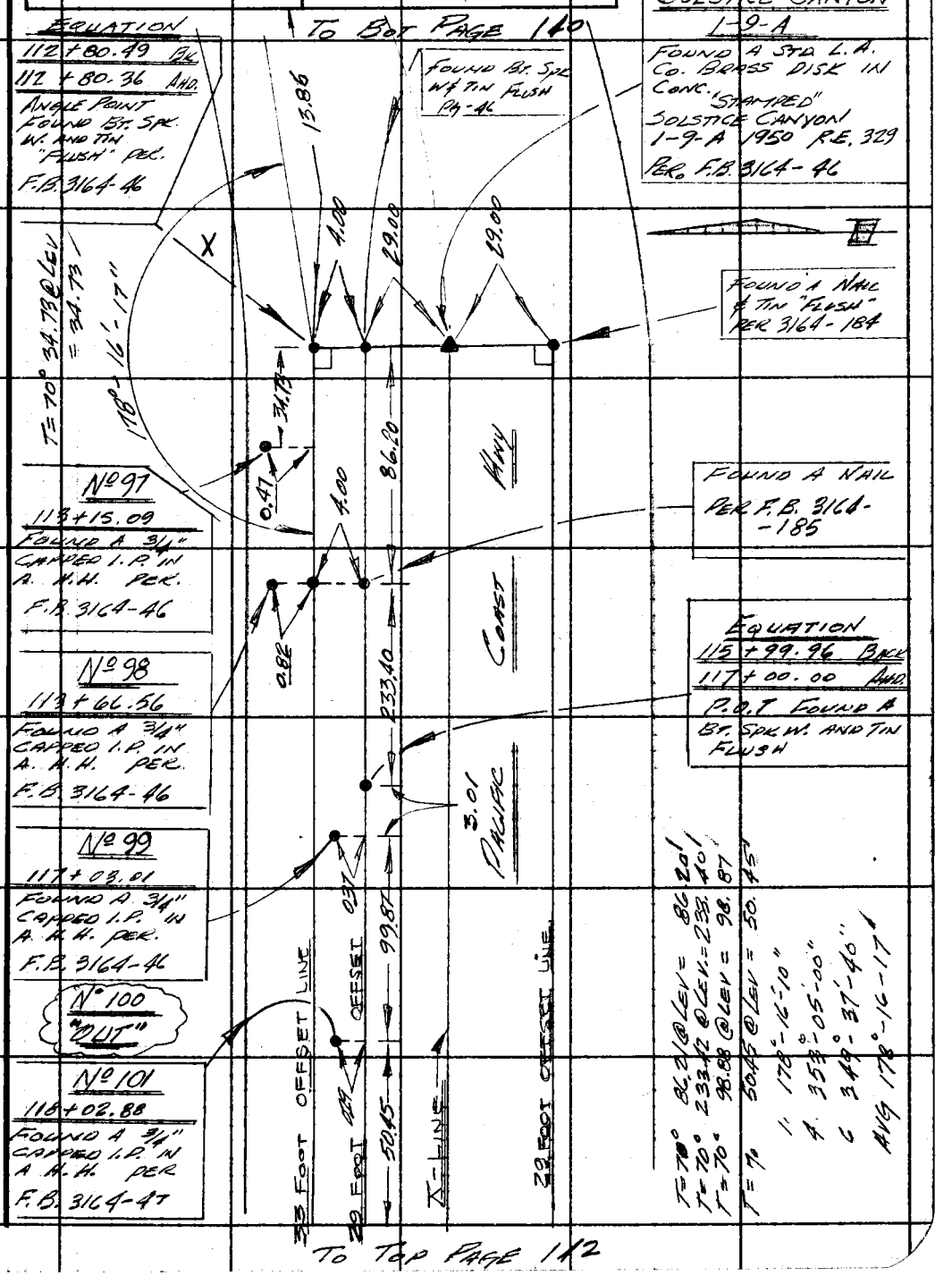


Notes Ck'd by	Survey of W.W. DIST # 29	F. B. 3264 PG. 141
Map No.	JN 5292.87 Tape 201 Std 84 °F	
Office Work	Surveyed by C. K. LIND	
Checked	Notes DOVER Date 2-28-66	
Date	Indexed G. J. GALLI	



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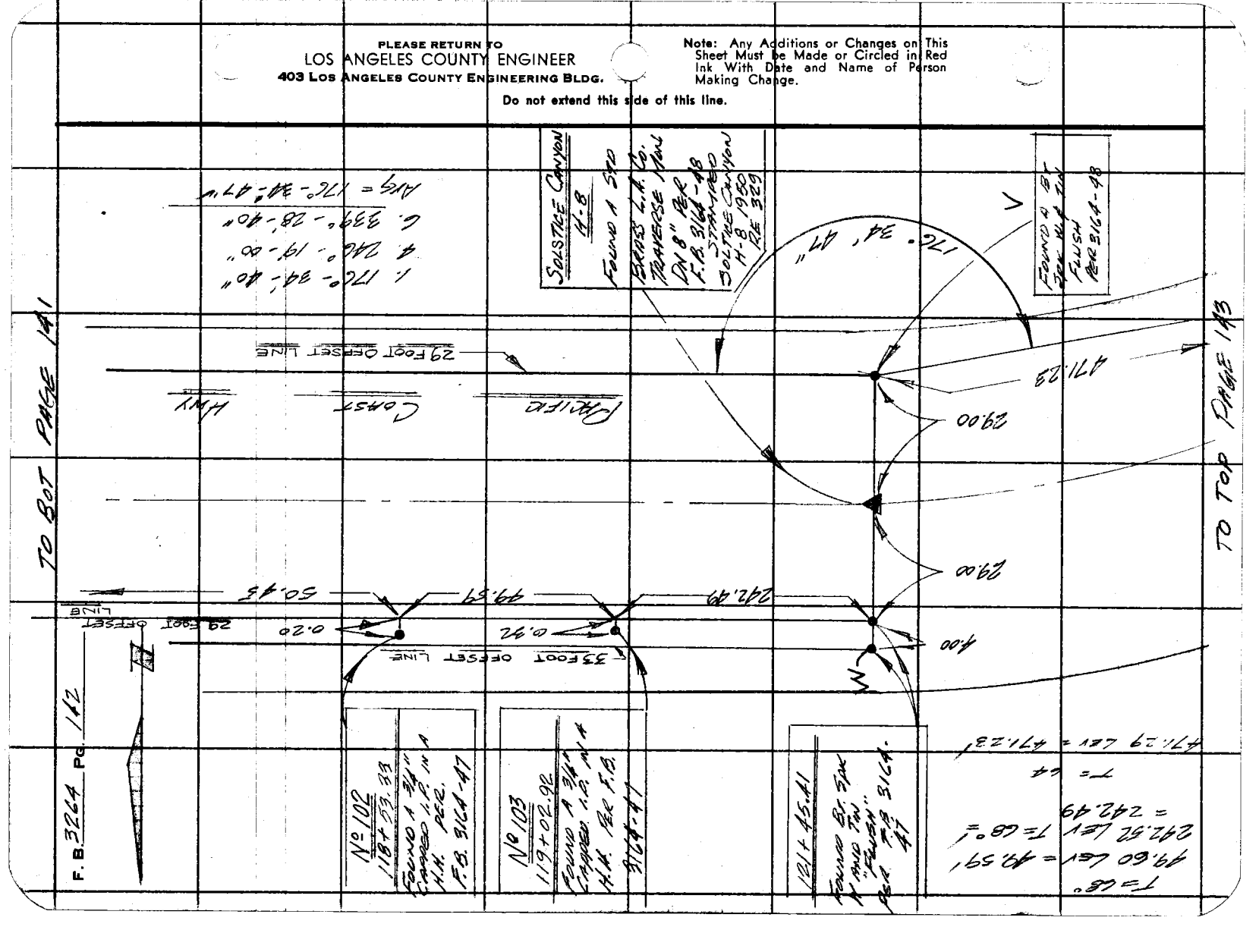
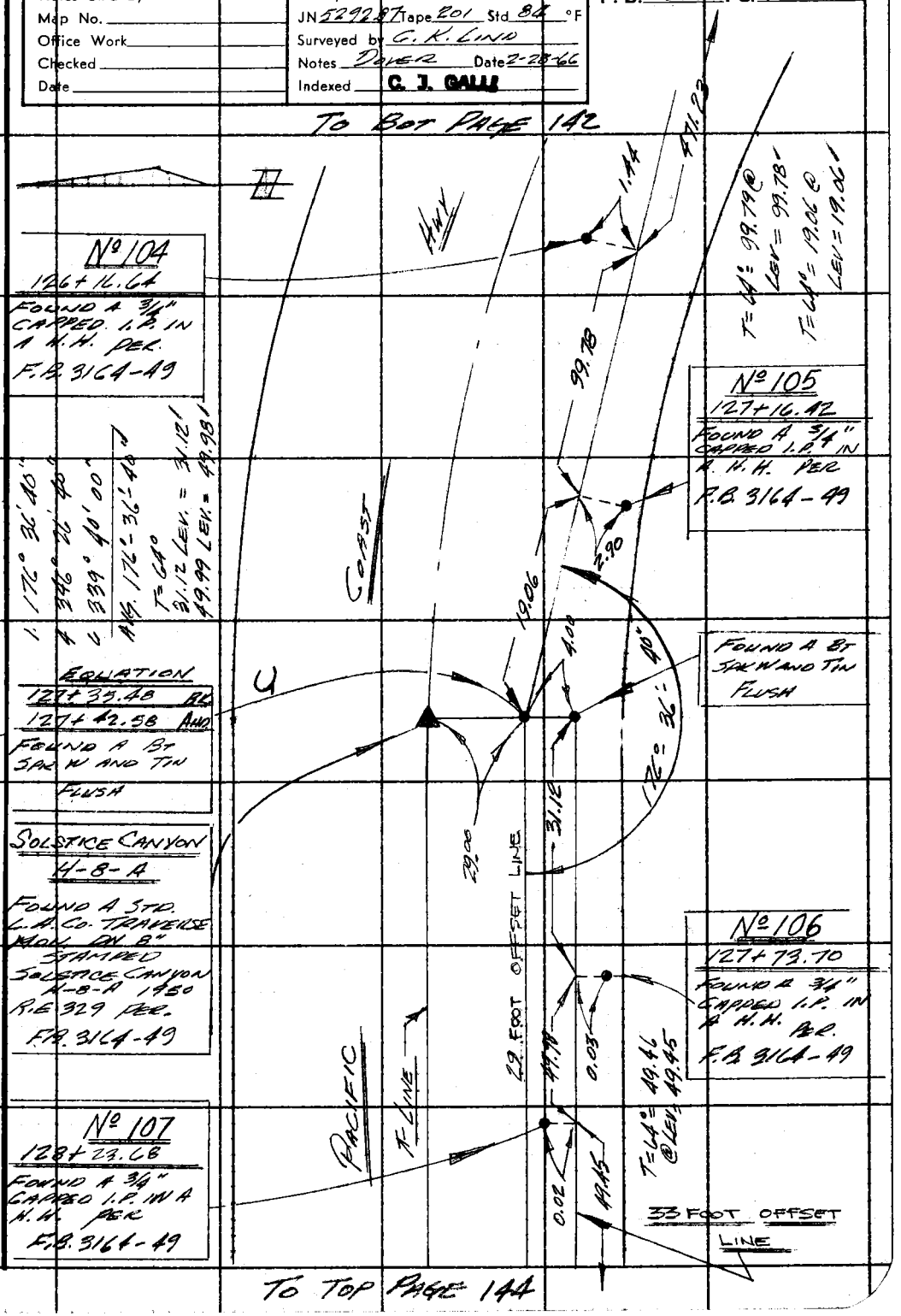


Notes Ck'd by	Survey of W.W. DIST #29	F. B. 3264 PG. 143
Map No.	JN 529287 Tape 201 Std 84 °F	
Office Work	Surveyed by G. K. LIND	
Checked	Notes DOVER Date 2-28-66	
Date	Indexed C. J. GALLI	



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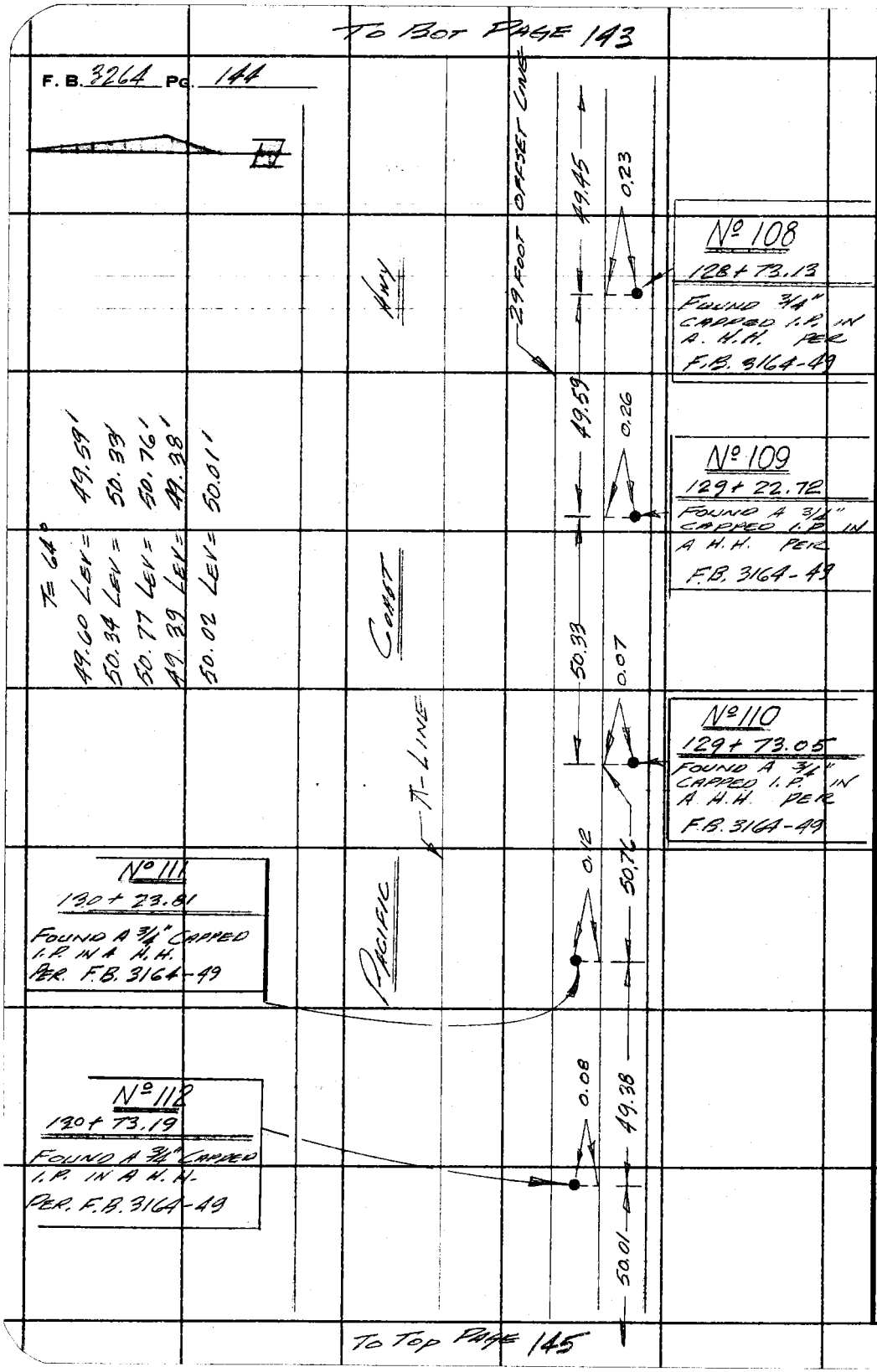

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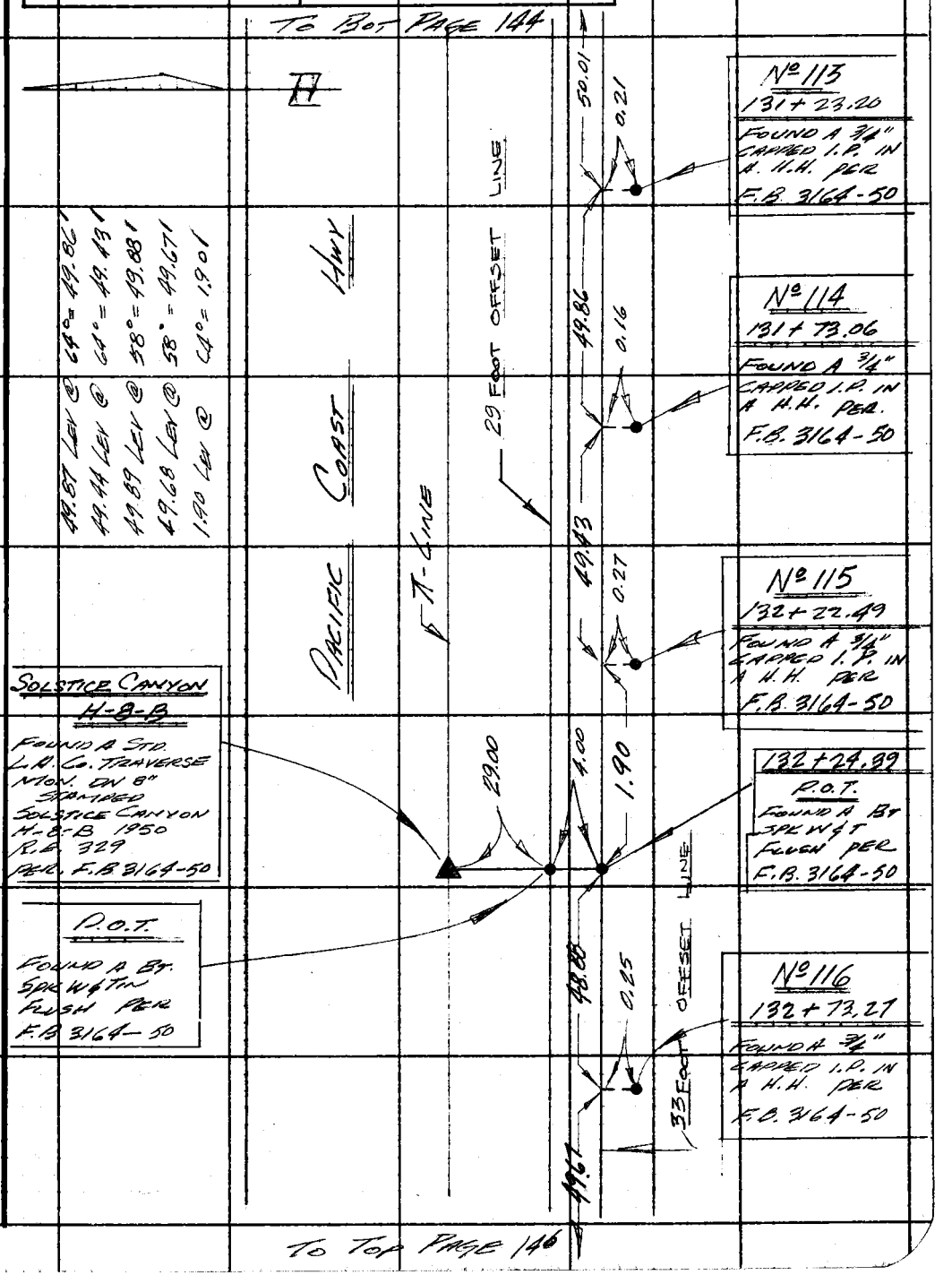
Map No.	JN 5292.87 Tape 201 Std 84 °F	
Office Work	Surveyed by C. K. LIND	
Checked	Notes DOVER Date 3-1-66	
Date	Indexed C. J. GALLI	



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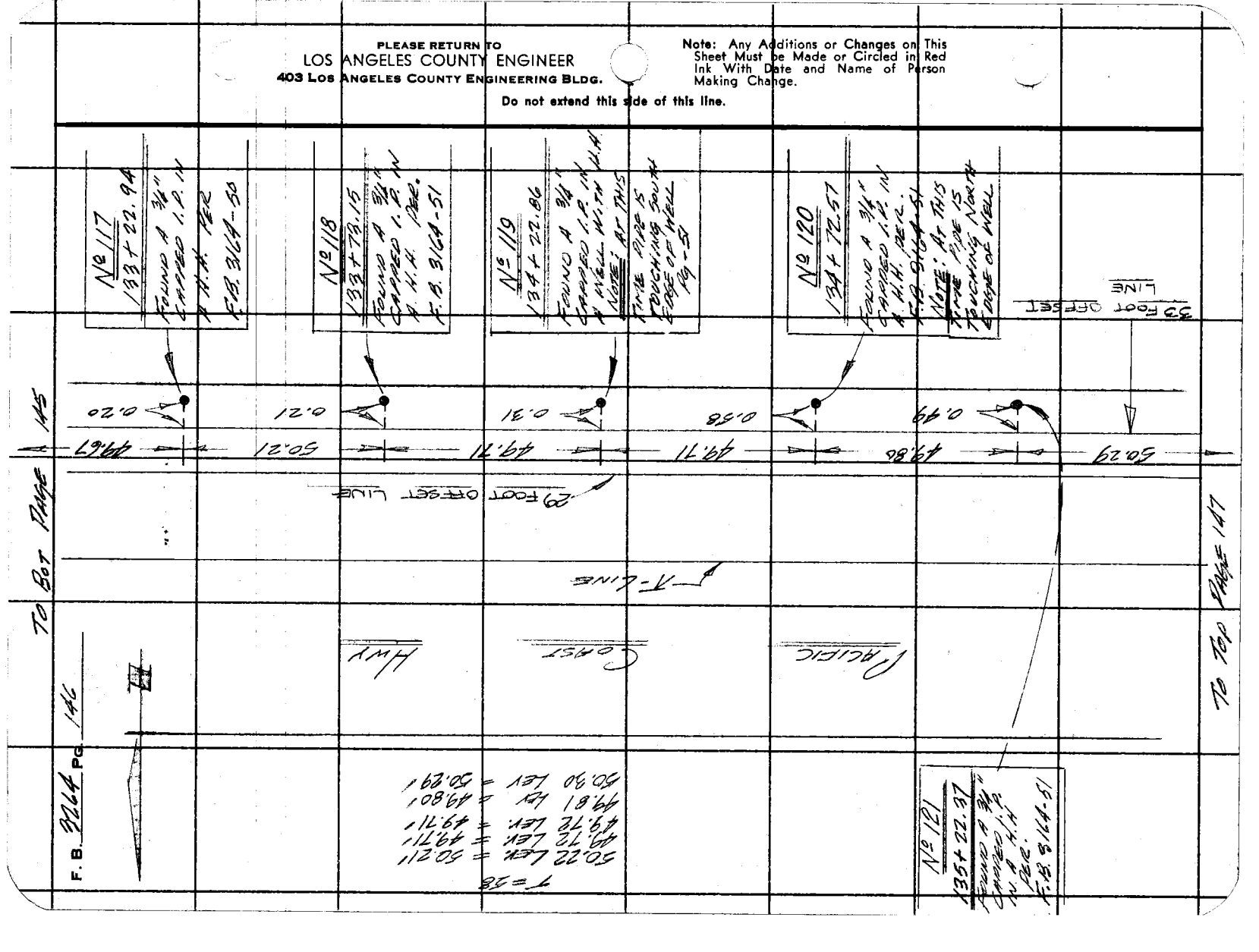
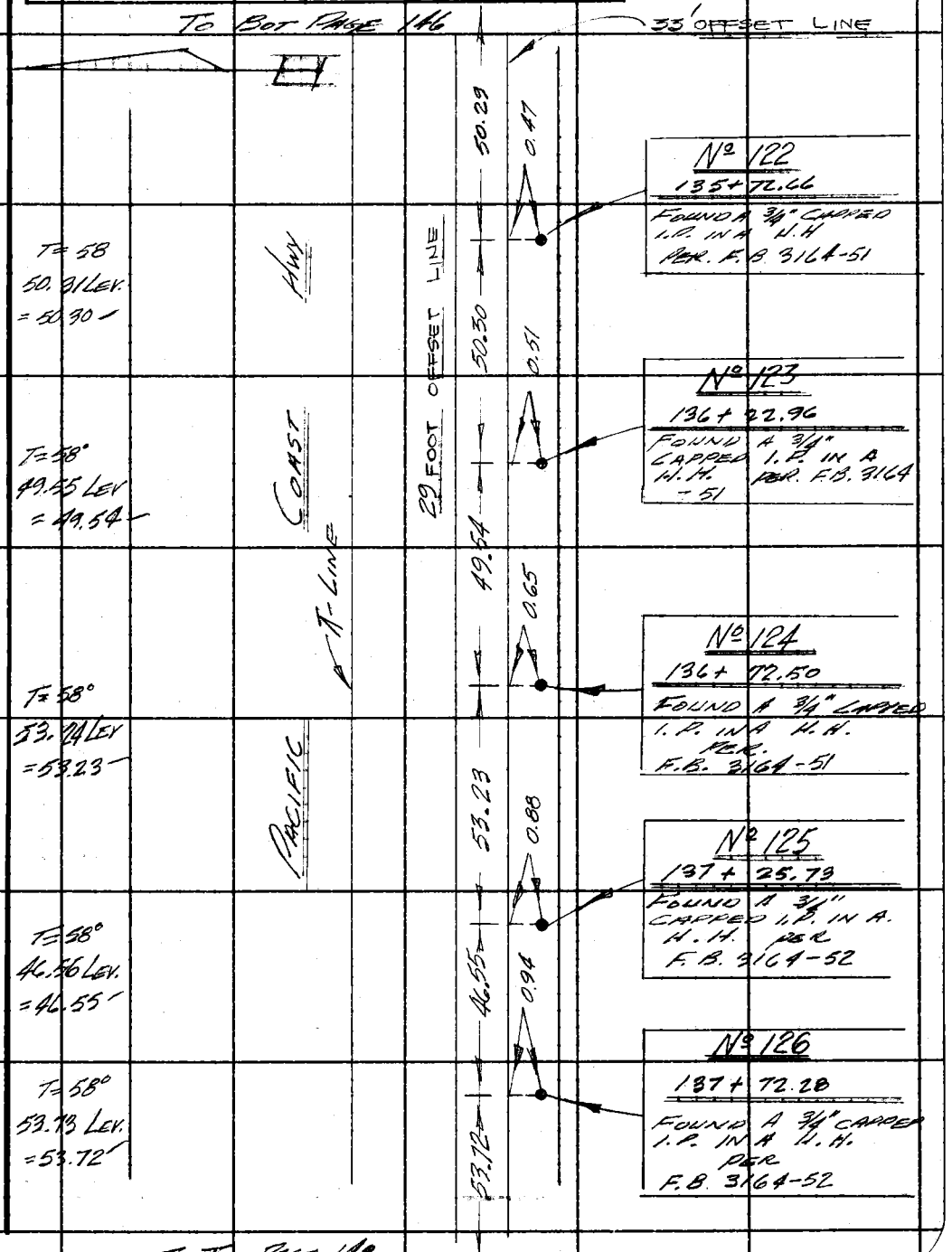


Notes Ck'd by	Survey of W.W. Dist #29	F. B. 3264 Pg. 147
Map No.	JN 5292.87 Tape 201 Std 84 °F	
Office Work	Surveyed by C. K. Lind	
Checked	Notes Dover Date 3-1-66	
Date	Indexed C. J. Gall	

To Bot Page 146



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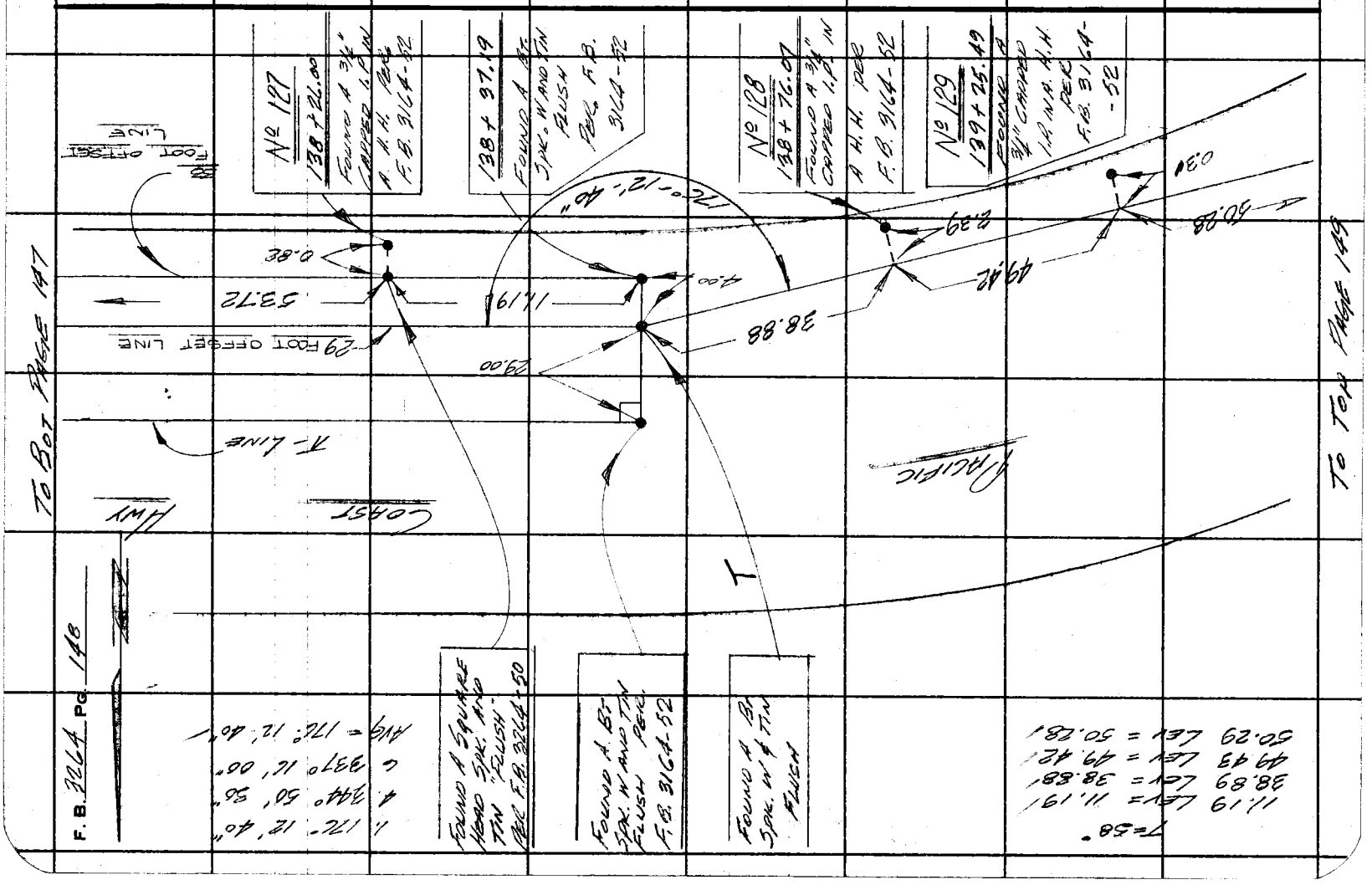
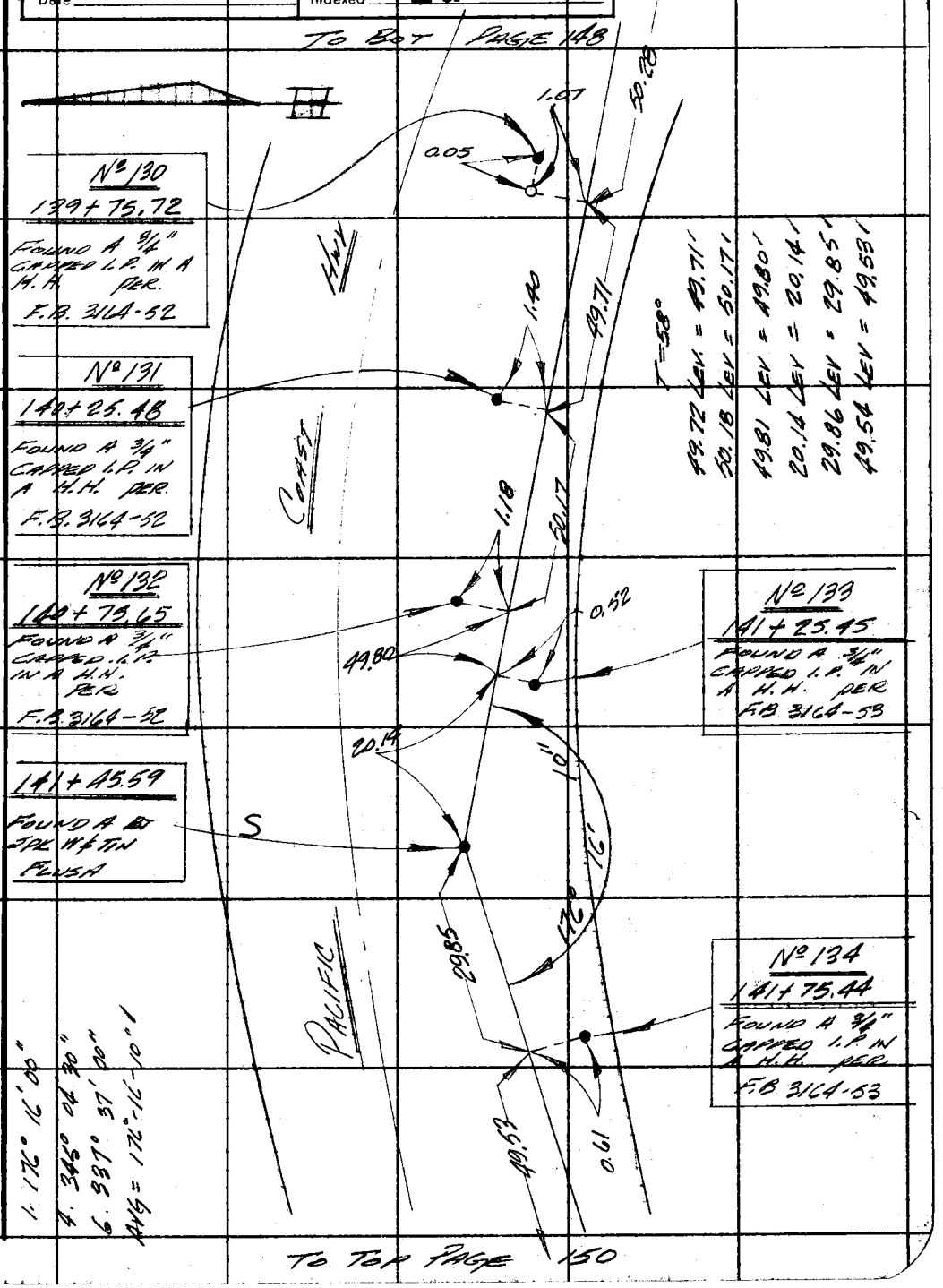


Notes Ck'd by	Survey of W.W. Dist # 29	F. B. 3264 PG. 149
Map No.	JN 5292.57 Tape 201 Std 84 °F	
Office Work	Surveyed by C.K. Lind	
Checked	Notes Dover Date 3-1-66	
Date	Indexed G. J. GALLI	



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F. B. 3264 Pg. 150

1: 176° 32' 40"
A: 346° 11' 40"
C: 339° 18' 00"
AVG = 176° 33' 00"

181.06 LEV
T = 58° = 181.03

EQUATION
~~144+06.00 BACK~~
144+17.98 AHD
FOUND A. BT SPK W & TIN FLUSH PER F.B. 3164-53

EQUATION
~~144+06.00 BACK~~
144+17.98 AHEAD
FOUND A BT SPK W & TIN FLUSH PER F.B. 3164-53

FOUND P.M ON H.H. COVER PER F.B. 3164-54

1: 177° 14' 00
A: 348° 55' 40
C: 343° 23' 40
AVG = 177° 13' 57"

TO BOT PAGE 149

TO TOP PAGE 151

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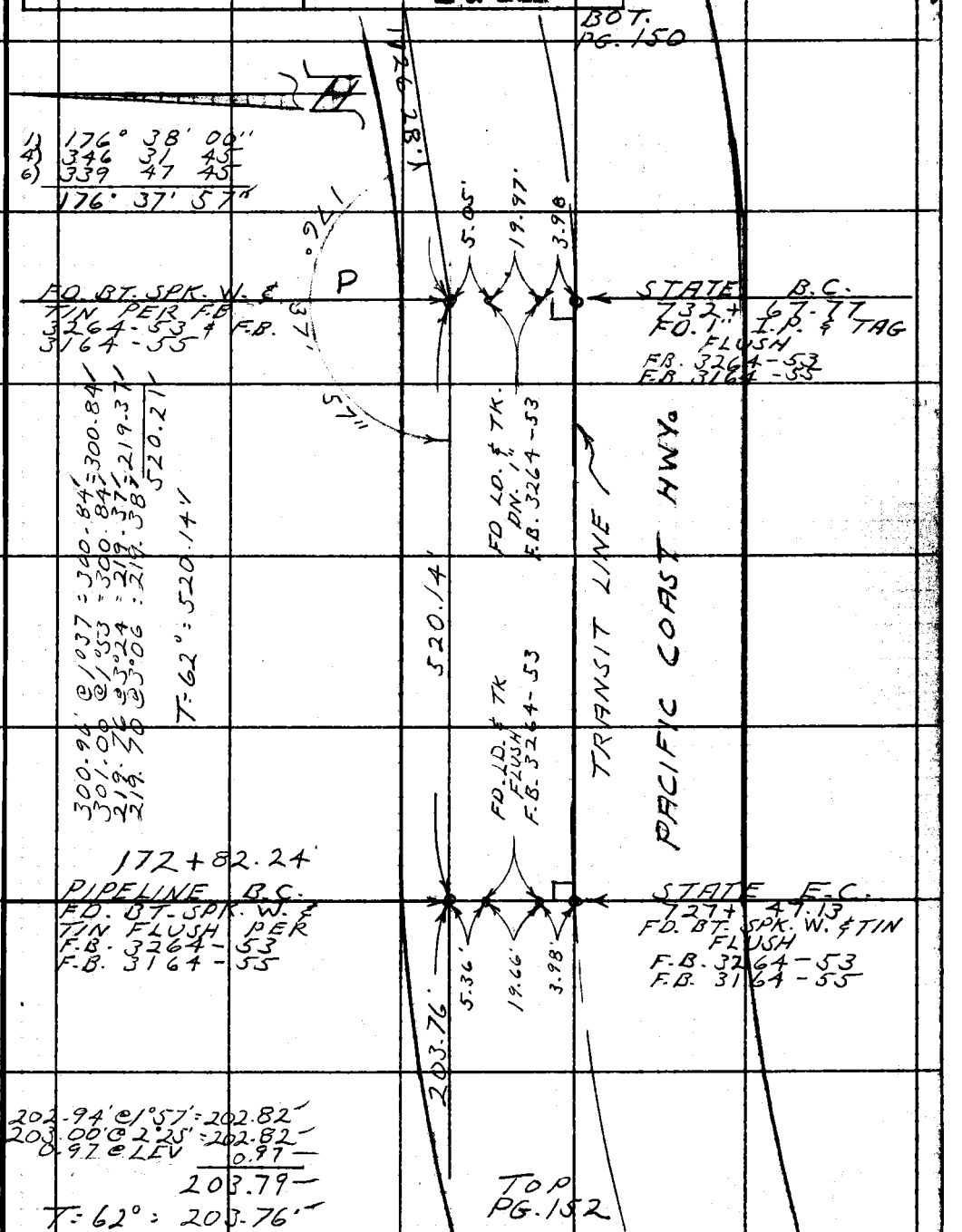
Notes Ck'd by	Survey of W.W. DIST. Nº 29	F. B. 3264 PG. 151
Map No.	JN 5292.87 Tape 235 Std 84 °F	
Office Work	Surveyed by L.V. SMITH	
Checked	Notes L.V. SMITH Date 2-28-66	
Date	Indexed R. J. GALLI	



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76F3095 CE # 310 3-61

F. B. 3264 PG. 152

1) 174° 02' 15"
4) 336 08 30
6) 324 12 45
174° 02' 07"

174 + 86.00'
SET LG. BT. SPK. O
W. & TIN RECORD
DISTANCE OF 203.76'
FROM PIPELINE B.C.
PER F.B. 3264-53-54

176 + 30.52
#136
FD. 3/4" I.P. & CAP
IN H.H. PER F.B.
3264-54 & F.B.
3164-56

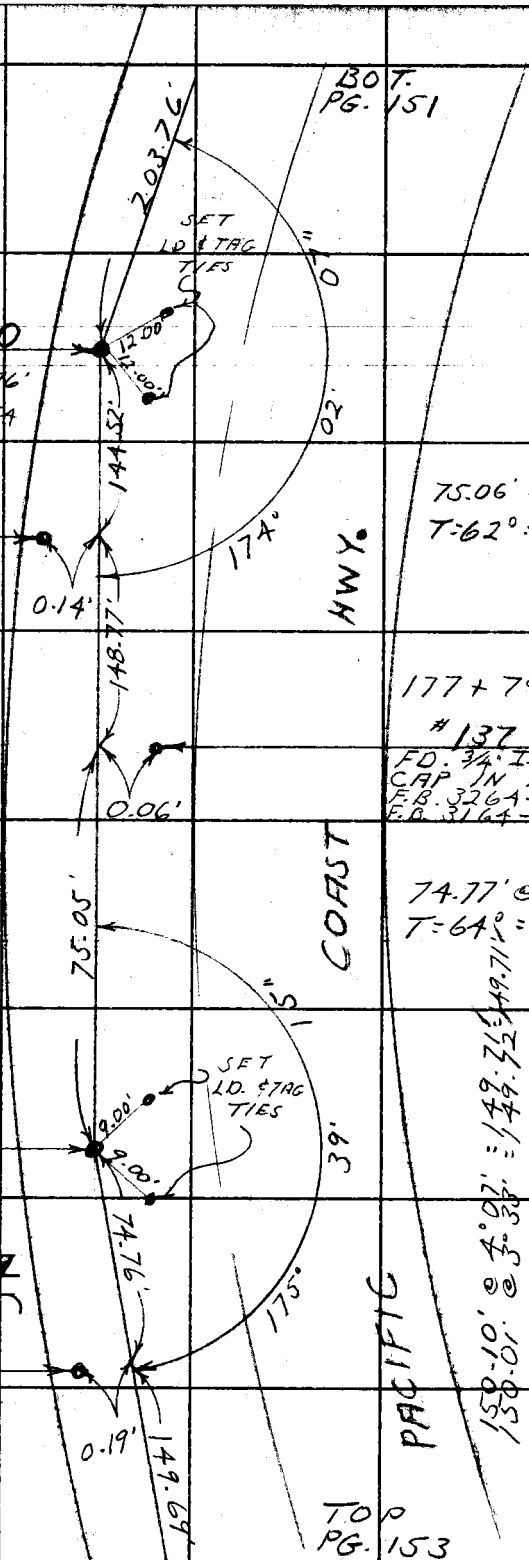
144.58' @ 1°23' = 144.54'
144.64' @ 2°01' = 144.55' = 144.54'
T = 62° = 144.52'

149.18' @ 4°08' = 148.79' = 148.79'
149.07' @ 3°25' = 148.80' = 148.79'
T = 62° = 148.77'

∡ PT.
178 + 54.34' N
FD. BT. SPK. W. &
TIN FLUSH PER
F.B. 3264-54 &
F.B. 3164-56

#138
179 + 29.10'
FD. 3/4" I.P. & CAP
IN H.H. F.B. 3264-54
& F.B. 3164-56

1) 175° 39' 15"
4) 342 37 15
6) 333 55 30
175° 39' 15"



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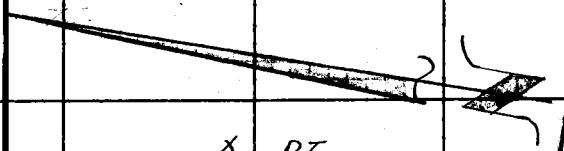
Notes Ck'd by	Survey of W.W. DIST. No 29
Map No.	JN 5292-87 Tape 235 Std 84 °F
Office Work	Surveyed by L.V. SMITH
Checked	Notes L.V. SMITH Date 3-2-66
Date	Indexed G. J. GALLI

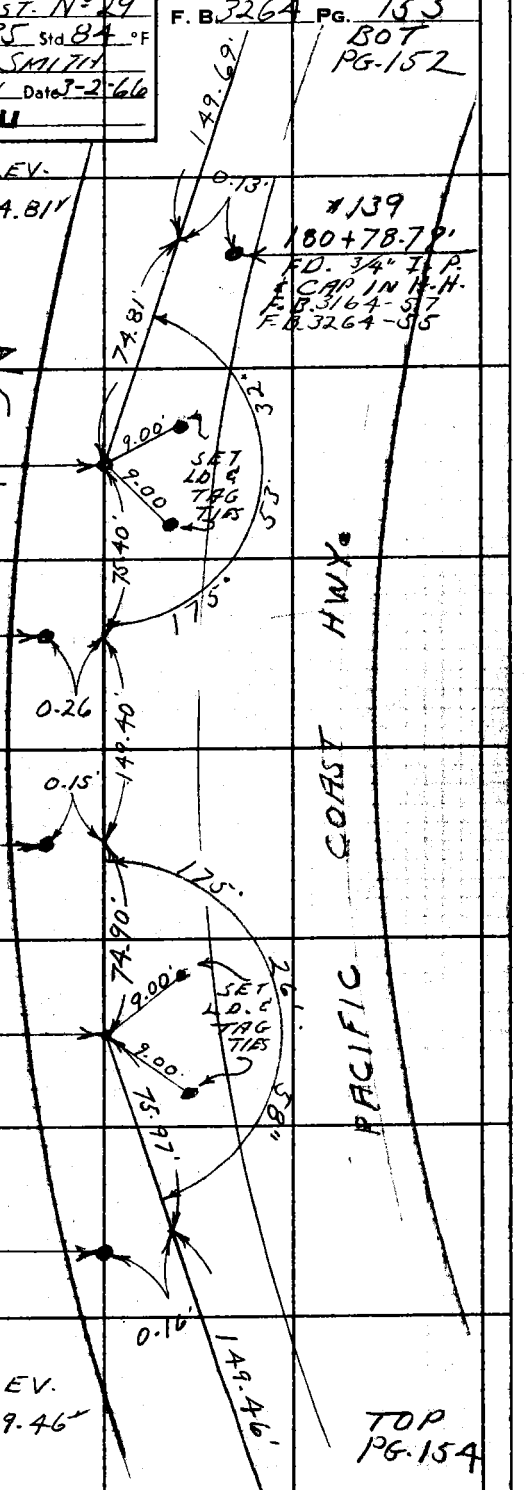
F. B. 3264 PG. 153

BOT PG-152

1) 175° 53' 30"
4) 343 34 00
6) 335 21 15
175° 53' 32"

74.82' @ LEV.
T = 62° = 74.81'





∡ PT.
181+53.60' M
FD. BT. SPK. W. & TIN
F.B. 3164-57 F.B. 3264-55

75.41' @ LEV.
T = 64° = 75.40'

#140
182+29.00'
FD 3/4" I.P. & CAP
IN H.H. F.B. 3164-57
F.B. 3264-55

149.42' @ LEV.
T = 62° = 149.40'

#141
183+78.40'
FD. 3/4" I.P. & CAP
IN H.H. F.B. 3164-57
F.B. 3264-55

74.91' @ LEV.
T = 62° = 74.90'

∡ PT.
184+53.30' L
FD. BT. SPK. W. & TIN
F.B. 3164-57 & F.B. 3264-55

1) 175° 27' 00"
4) 341 48 00
6) 332 41 45
175° 26' 58"

#142
185+29.27'
FD. 3/4" I.P. & CAP
IN H.H. F.B. 3164 &
F.B. 3164-57

75.98' @ LEV.
T = 62° = 75.97'

149.48' @ LEV.
T = 64° = 149.46'

TOP PG. 154

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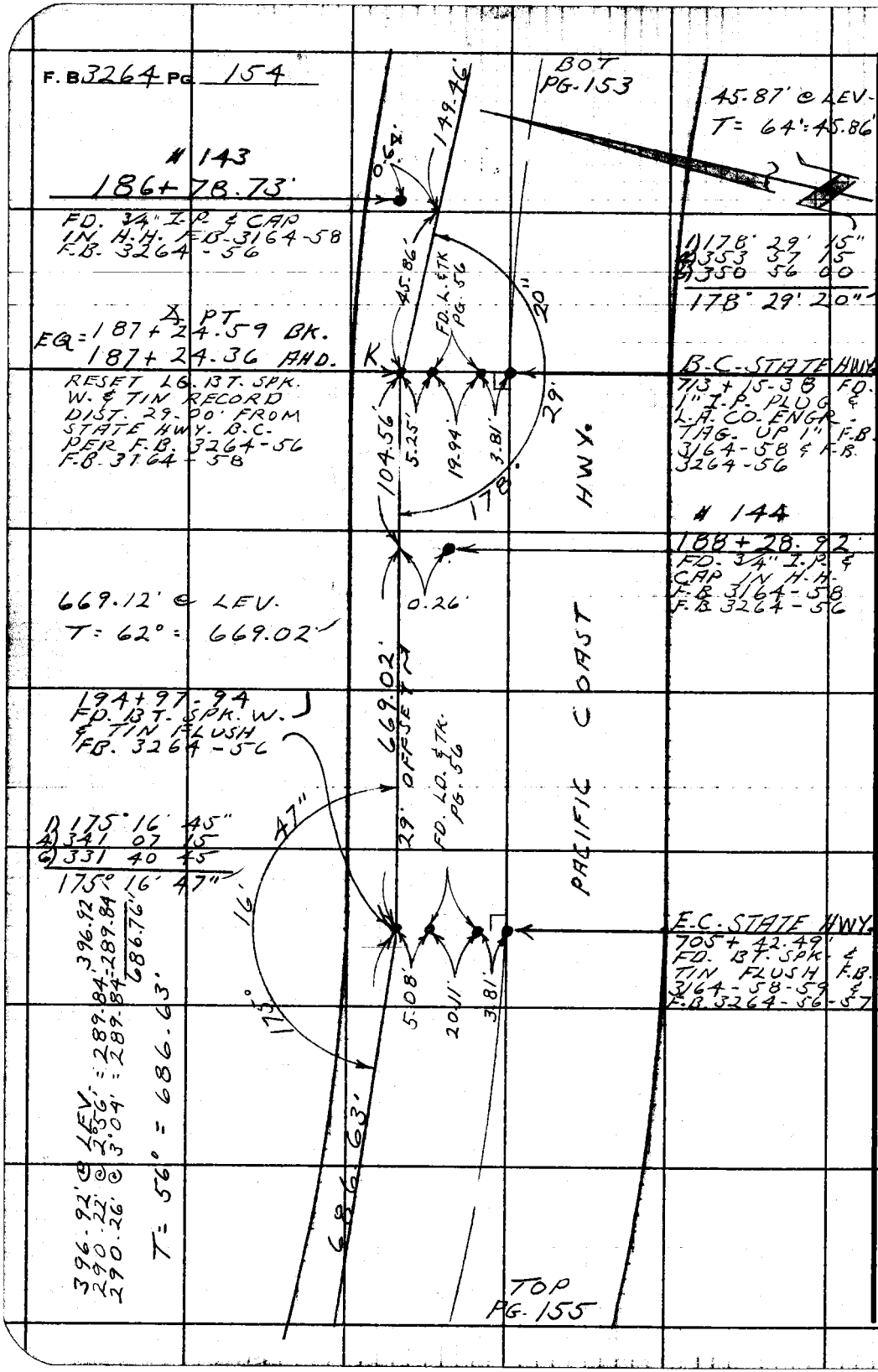
76F309S CE # 310 3-61



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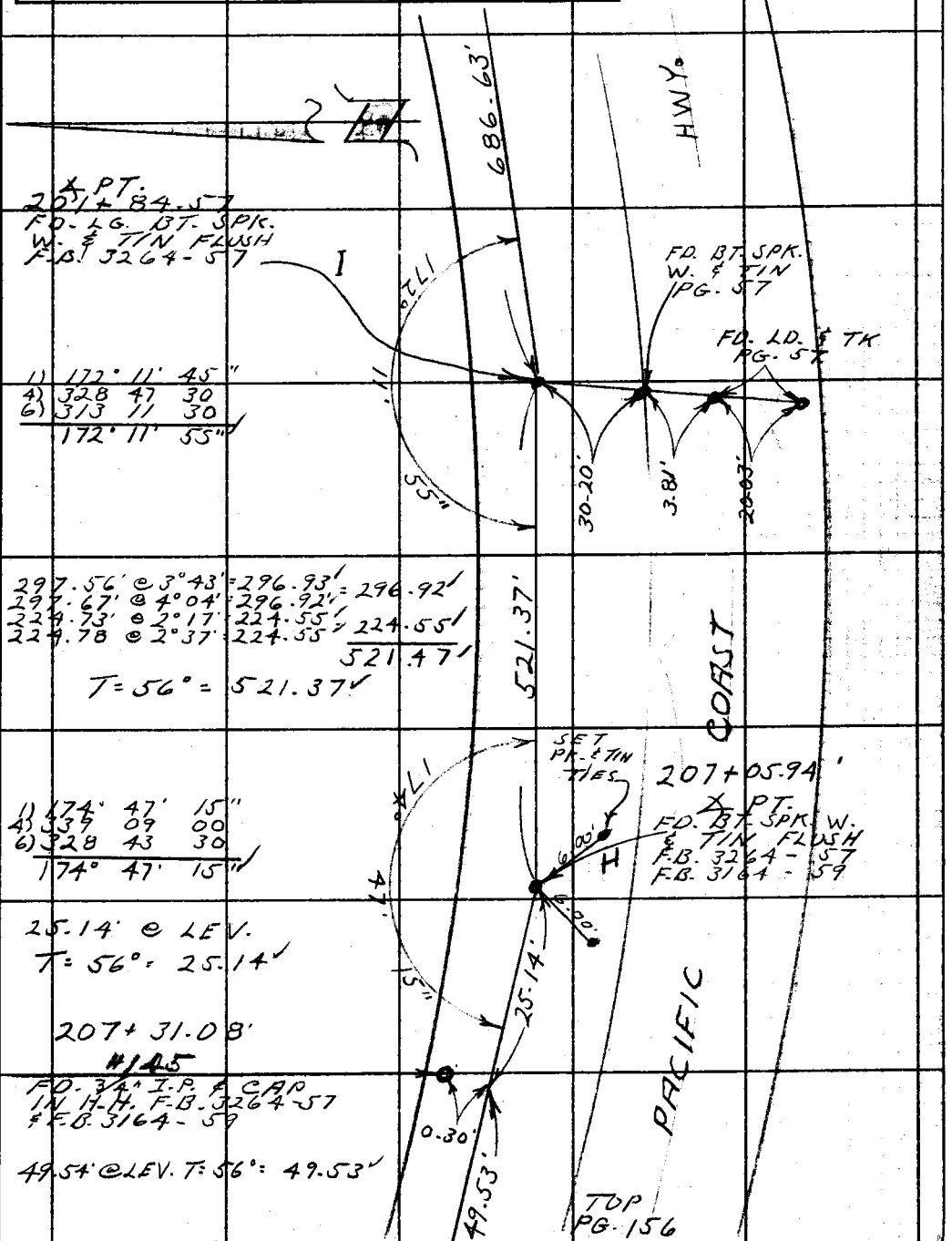
Notes Ck'd by	Survey of W.W. DIST. N° 29	F. B. 3264 PG. 155
Map No.	JN 5292-87 Tape 235 Std 84 °F	
Office Work	Surveyed by L.V. SMITH	BOT. PG. 154
Checked	Notes L.V. SMITH Date 3-3-66	
Date	Indexed C. J. GALLI	



X PT.
201+84.57
FD. LG. BT. SPK. W. & TIN FLUSH
F.B. 3264-57

1) 172° 11' 45"
4) 328 47 30
6) 313 11 30
172° 11' 55"

297.56' @ 3°43' = 296.93'
297.67' @ 4°04' = 296.92' = 296.92'
224.73' @ 2°17' = 224.55'
224.78 @ 2°37' = 224.55' = 224.55'
521.47'

T = 56° = 521.37'

1) 174° 47' 15"
4) 339 09 00
6) 328 43 30
174° 47' 15"

25.14' @ LEV.
T = 56° = 25.14'

207+31.08'
#145
FD. 3/4" I.P. & CAP IN H-H. F.B. 3264-57 & F.B. 3164-59

49.54' @ LEV. T = 56° = 49.53'

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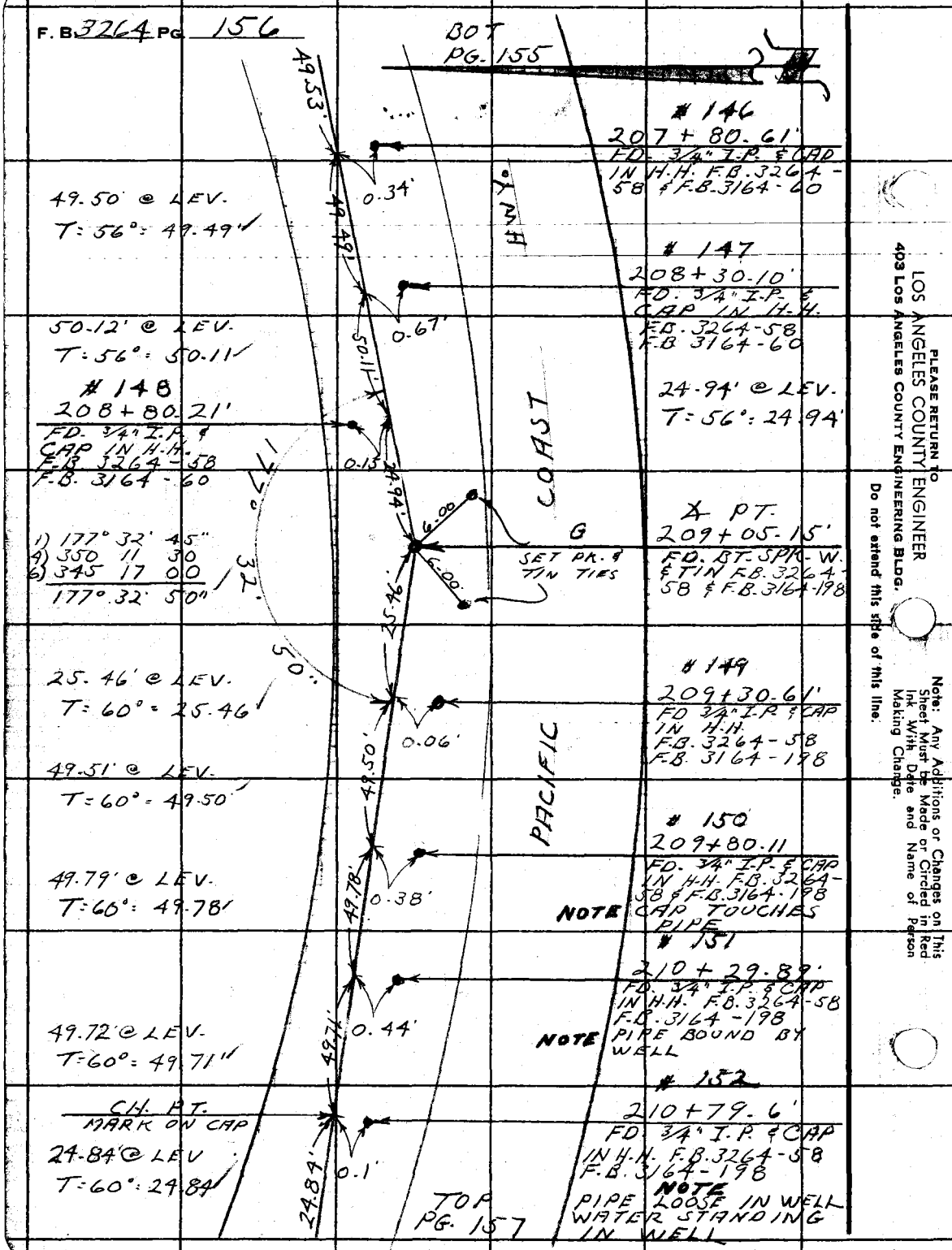
76F3095 CE # 310 3-61

F. B. 3264 PG. 156



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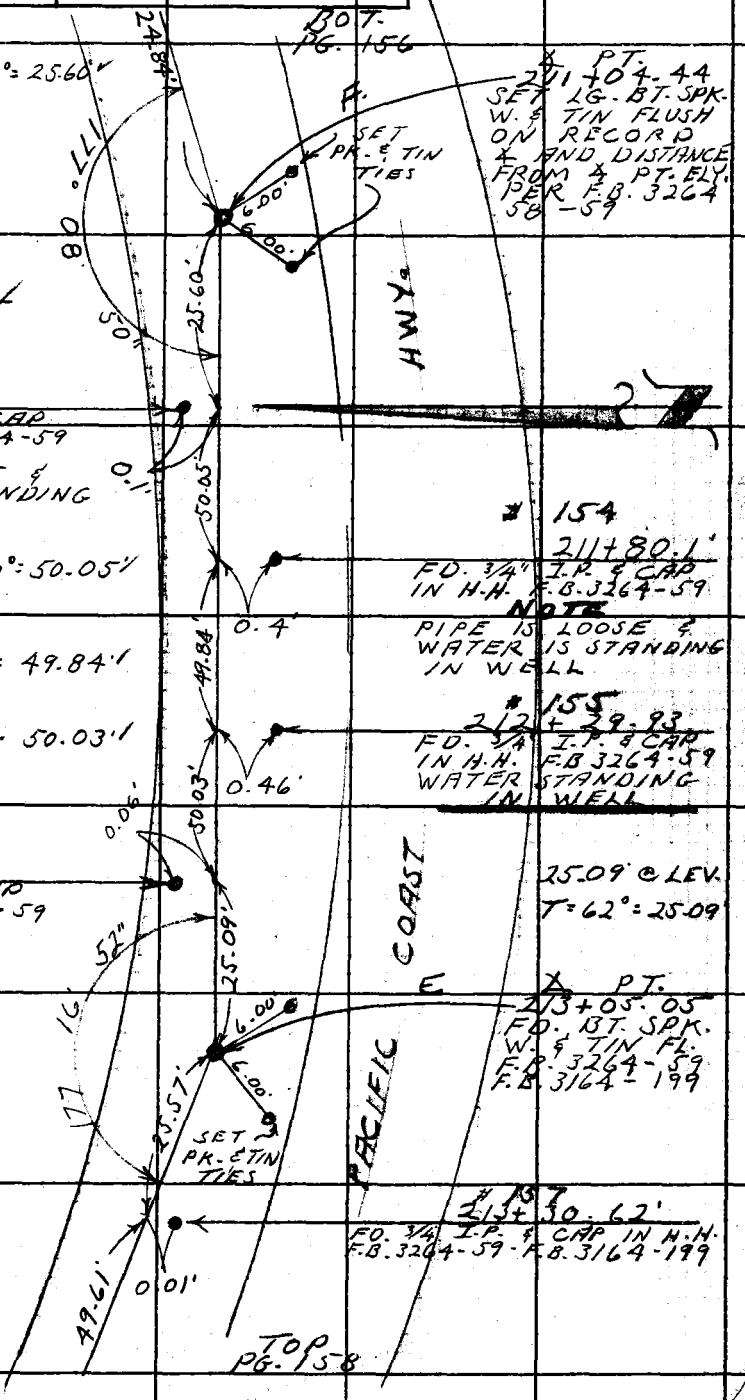
Notes Ck'd by	Survey of W.W. DIST. Nº 29	F. B 3264 PG. 157
Map No.	JN 5292-87 Tape 235 Std 84 °F	
Office Work	Surveyed by L.V. SMITH	
Checked	Notes L.V. SMITH Date 2-3-66	
Date	Indexed E. J. GALLI	



25.60' @ LEV. T=60°=25.60'

1) 177° 08' 45"
4) 348 35 15
6) 342 53 00
177° 08' 50"

153
211+30
FD. 3/4" I.P. & CAP IN H.H. F.B. 3264-59
NOTE
PIPE IS LOOSE & WATER IS STANDING IN WELL

50.06' @ LEV. T=60°=50.05'

49.85' @ LEV. T=60°=49.84'

50.04' @ LEV. T=60°=50.03'

156
212+79.96'
FD. 3/4" I.P. & CAP IN H.H. F.B. 3264-59 F.B. 3164-199

1) 177° 16' 45"
4) 349 07 30
6) 343 41 15
177° 16' 52"

25.57' @ LEV.
T=62°=25.57'

49.62' @ LEV.
T=62°=49.61'

℄ PT.
211+04.44
SET LG. BT. SPK. W. & TIN FLUSH ON RECORD ℄ AND DISTANCE FROM ℄ PT. ELY. PER F.B. 3264 58-59

154
211+80.1'
FD. 3/4" I.P. & CAP IN H.H. F.B. 3264-59
NOTE
PIPE IS LOOSE & WATER IS STANDING IN WELL

155
212+29.93
FD. 3/4" I.P. & CAP IN H.H. F.B. 3264-59 WATER STANDING IN WELL

25.09' @ LEV.
T=62°=25.09'

℄ PT.
213+05.05
FD. BT. SPK. W. & TIN FL. F.B. 3264-59 F.B. 3164-199

157
213+30.62'
FD. 3/4" I.P. & CAP IN H.H. F.B. 3264-59 - F.B. 3164-199

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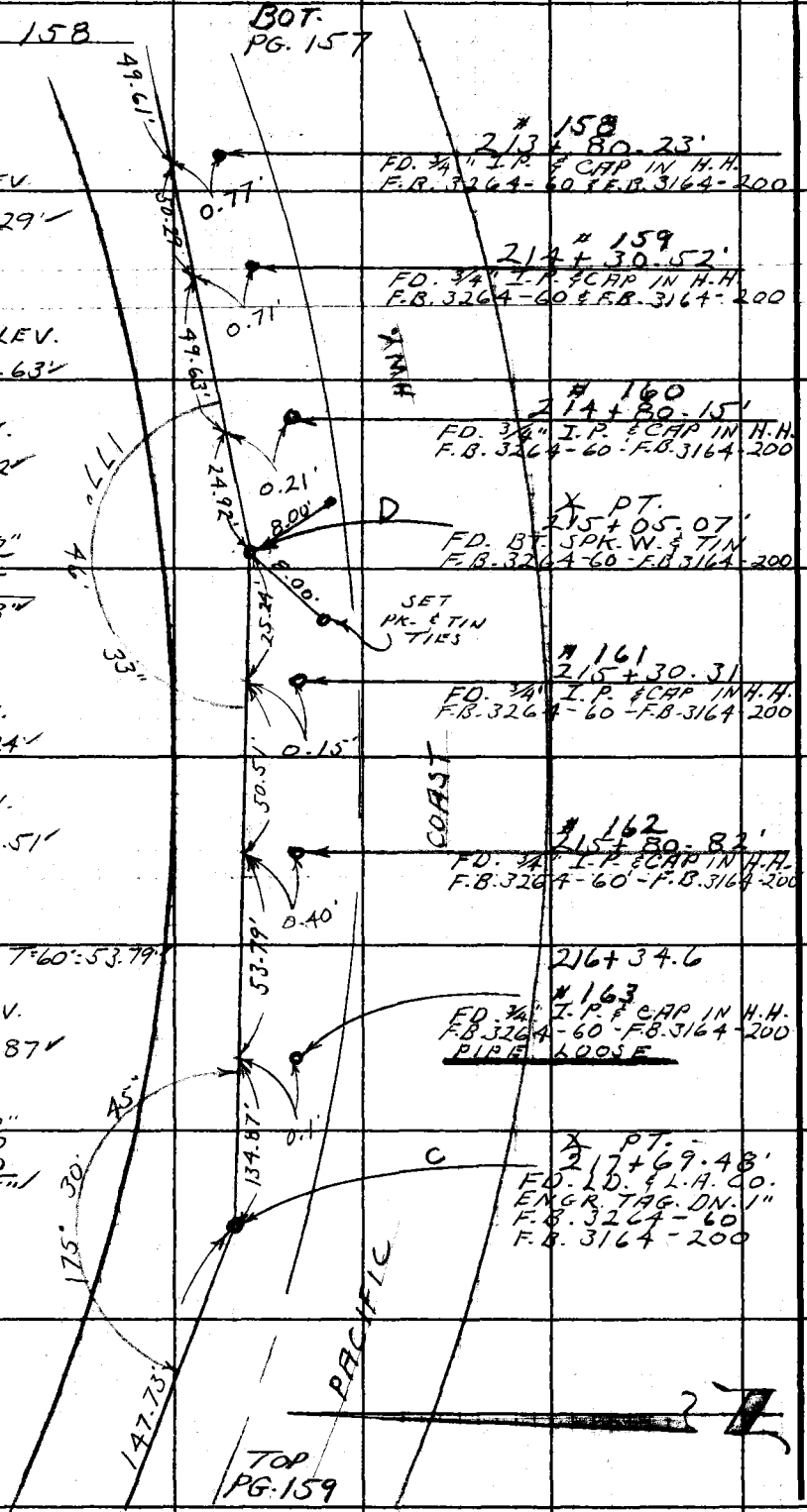
76F3095 CE # 310 3-61

F. B. 3264 Pg 158

BOT. PG. 157



50.30' @ LEV.
T = 62° = 50.29' ✓

49.64' @ LEV.
T = 62° = 49.63' ✓

24.92' @ LEV.
T = 62° = 24.92' ✓

1) 177° 46' 30"
4) 351 06 15
6) 346 39 15
177° 46' 33" ✓

25.24' @ LEV.
T = 62° = 25.24' ✓

50.52' @ LEV.
T = 60° = 50.51' ✓

53.80' @ LEV. T = 60° = 53.79' ✓

134.89' @ LEV.
T = 60° = 134.87' ✓

1) 175° 30' 30"
4) 342 03 00
6) 333 04 30
175° 30' 45" ✓

TOP PG. 159

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Notes Ck'd by	Survey of W.W. DIST. Nº 29
Map No.	JN 5292.87 Tape 235 Std 84 °F
Office Work	Surveyed by L.V. SMITH
Checked	Notes L.V. SMITH Date 3-9-66
Date	Indexed C. J. GALLI

F. B. 3264 PG. 159

147.76' @ LEV. T=58° = 147.73

BOT PG. 158

147.73'

SOLSTICE CANYON E-9-C
FD. STATE DIV. HYW. 4x4 POST & NAIL DN. 4" CHECKED SQ. SPK. & WASHER TANG TIES.
F.B. 3264-61-86
F.B. 3764-C3

FD. SQ. SPK. & W. TANG TIES

219+17.20
FD. LG. BT. SPK. W. & TIN FL.
F.B. 3264-61
F.B. 3164-200

5.00 12.12 13.02 11.44 13.19 5.01

19.00'

FD. LD & TAG 5.00' OFFSET LINE 29'

SOLSTICE CANYON E-9-B
FD. STD. L.A. CO. TRAV. STA. MON. DN. 10" STAMPED

L.A. CO. TRAVERSE LINE

10.00 COAST

1)	178°	10	30"
4)	352	42	15
6)	349	03	30
	178°	10'	35"

35"

10'

178°

SOLSTICE CANYON D-9
FD. STD. L.A. CO. TRAV. STA. MON. DN. 10" STAMPED

"SOLSTICE CANYON" D-9 1950 F.B. 3264-61

SOL D9 ECC 1- FD 2" IP & LS TAG # 3477 Flush in paved drive to Holiday House Motel 0.18' lower in elev. than Ctr. Sta. Monument 3-1-66

39.99'

Δ 90°58' (R) 28.7'
R 1450.45
PACIFIC

2900'

FD. BT. SPK. W. & TIN FL. F.B. 3264-61 F.B. 3164-200

SOLSTICE CANYON D-9-B
FD. NAIL ON SURFACE PER F.B. 3264-86 CHECKED SQ. SPK & WASHER TANG. TIES

40.00' C LC 48° - 39.99'

FD. SQ SPK. & W. TANG TIES

12.40 15.81 12.44 13.26

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78F3095 CE # 310 3-61

Profile No. | Notes Red | Plotted | Job No. 5292.87 | Division No. 11 | F.B. 3264 Pg. 161
Date | Date | Survey of W.W. DIST. No 29
X-Sec. No. | Notes Chkd. | Checked | Survey by LIND | Notes LIND Date 3-2-66
Date | Date | Map No. | Indexed G. J. GALLI Date

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STATION		
		WATER WORKS DISTRICT No 29 JN 5292.87
		PIPE LINE MONUMENTS PROFILE ON SURVEY MONUMENTS FOR CHECK ON VERTICAL MOVEMENT IN GEOLOGICAL HAZARDS STUDY AREA ON PACIFIC COAST HWY ON PORTION OF MALIBU BRANCH FEEDER FROM PIPE LINE PLUS 734 70.58 W'LY
	ELEV.	ALONG PIPE LINE TO 216 + 34.69 PRECISE LEVEL DATUM 1964
	F.S.	ADJUSTMENT LEVEL CIRCUIT # 48
	H.I.	3-1-66 LIND DOVER
	B.S.	SWANK ALHANZAN

76-L298 CE 307 3-61

76-L298 CE 307 3-61

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STATION	B.S.	H.I.	F.S.	ELEV.		
BM 48-89	7164	147 022		139 858	BM 48-89 EL= 139.858 FB 1369-75	
					SOLSTICE CYN K-8A	
	7188	151 249	2961	144 058 / 144 061	Bt Spk @ E.C.	
T.P.	7732	156 861	2120	149 129		
T.P.	7777	163 947	0691	156 170		
BM 48-89A			4220	159 714 / 159 727	BM 48-89A EL= 159.714 FB 1369-143	
BM 48-89 A	8802	168 516		159 714 / 159 714	BM 48-89 A EL= 159.714	
T.P.	7281	173 627	2170	166 347 / 346		
T.P.	7052	178 625	2054	171 575 / 573		
HH # 39			7293	171 335 / 332		
H.H. # 40			4912	173 717 / 713		
H.H. # 41	5510	180 676	3459	175 171 / 166		
HH # 42			5070	175 612 / 606		
T.P.	3882	179 168	5390	175 293 / 286		
H.H. # 43			4005	175 171 / 163		
BM 48-90	3300	179 075	3393	175 783 / 175 775	BM 48-90 EL= 175.783 FB 1379-76	

F.B. 3264 PG. 162

Job No. 5292.87 Division No. 11 Notes Red Plotted Profile

Survey of W. W. DIST # 29 Date Date No. X-Sec.

Survey by LIND Notes LIND Notes Chkd. Checked

Indexed C. J. GRAFF Date Date No.

76-L298 CE 307 3-61

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STATION	B.S.	H.I.	F.S.	ELEV.		
		179 075				
HH # 44			5630	173 ~~445~~	173.452	
T.P.	1510	173 375	7210	171 ~~865~~		
H.H. # 45			2163	171 ~~212~~	171.218	
H.H. # 46			6261	167 ~~114~~	167.119	
T.P.	1810	166 258	8927	164 ~~448~~		
H.H. # 47			2708	164 ~~550~~	164.553	
BM 48-91	2425	163 094	5589	160 669	BM 48-91 EL= 160.706 FB 869-77	
					SOLSTICE CYN	U-8-A
H.H. # 48			9610	154 484		
T.P.	0657	152 074	11 677	151 417		
H.H. # 49			1055	151 019		
H.H. # 50			3581	148 493		
H.H. # 51			5794	146 280		
H.H. # 52			8360	143 714		
H.H. # 53			11 160	140 914		
T.P.	0778	141 486	11366	140 708		
H.H. # 54			3435	138 051		
H.H. # 55			6763	134 723		
48-92	1997	136 191	7292	134 194	BM 48-92 EL= 134.080 FB 1369-78	
					SOLSTICE CYN I-8	

Profile Notes Red ____ Plotted ____ Job No. 5292-87 Division No. 11 F.B. 524 Pg. 163
No. ____ Date ____ Date ____ Survey of W.W. DIST No 29
X-Sec. Notes Chkd. ____ Checked ____ Survey by LIND Notes LIND Date 3-2-66
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

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STATION	B.S.	H.I.	F.S.	ELEV.		
		136 191				
H.H. # 56			4343	131 848		
H.H. # 57			7478	128 713		
H.H. # 58			10 580	125 611		
T.P.	0650	125 609	11 232	124 959		
H.H. # 59			3005	122 604		
H.H. # 60			6260	119 349		
H.H. # 61			9330	116 279		
T.P.	0228	114 737	11 100	114 509		
H.H. # 62			1722	113 015		
H.H. # 63			4590	110 147		
H.H. # 64			7585	107 152		
H.H. # 65			10 480	104 257		
T.P.	0570	104 184	11 123	103 614		
H.H. # 66			2730	101 454		
H.H. # 67			5890	98 294		
H.H. # 68			9170	95 014		
T.P.	0180	92 834	11 530	92 654		
H.H. # 69			0853	91 981		

F.B. 3264 Pg. 114 Job No. 52 92 87 Division No. 11 Notes Red Plotted Profile
Survey of W. W. DIST No 29 Date Date No. X-Sec.
Survey by GIND Notes GIND Notes Chkd. Checked
Indexed C. J. GALLI Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.		
		92 834				
H.H. # 70			3643	89 186		
H.H. # 71			6382	86 452		
H.H. # 72			9400	83 434		
T.P.	0736	84 860	8710	84 124		
H.H. # 73			4518	80 342		
H.H. # 74			7605	77 255		
H.H. # 75			10588	74 272		
T.P.	0713	74 313	11260	73 600		
H.H. # 76			3170	71 143		
H.H. # 77			6305	68 008		
H.H. # 78			9045	65 268		
T.P.	0310	63 242	11381	62 932		
H.H. # 79			1280	61 962		
H.H. # 80			4146	59 096		
H.H. # 81			7151	56 091		
H.H. # 82			10330	52 912		
T.P.	0840	52 653	11429	51 813		
H.H. # 83			2840	49 813		
H.H. # 84			5942	~~46 711~~ 46.712		

Profile No. ____ Notes Red ____ Plotted ____ Job No. 5292.87 Division No. 11 F.B. 3264 Pg. 165
Date ____ Date ____ Survey of W.W. DIST. No 29
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by LND Notes LND Date 3-3-66
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

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STATION	B.S.	H.I.	F.S.	ELEV.		
		52 653				
H.H. # 85			9022	~~43 631~~	43.633	
T.P.	0966	41 976	11643	41 010		
H.H. # 86			1507	~~40 469~~	40.472	
H.H. # 87			4463	~~37 513~~	37.516	
BM 48-93	2729	41 053	3652	~~38 324~~ 327	BM 48-93 EL=38.327	FB 1369-79
H.H. # 88			6400	34 65~~2~~ 6	SOLSTICE CYN.	I-9
H.H. # 89			9654	31 ~~399~~ 405		
T.P.	0764	30 511	11306	29 ~~747~~ 751		
H.H. # 90			1688	28 82~~3~~ 8		
H.H. # 91			4387	26 12~~4~~ 8		
H.H. # 92			6184	24 32~~7~~ 32		
H.H. # 93			8139	22 37~~2~~ 7		
H.H. # 94			9740	20 77~~1~~ 6		
T.P.	2178	23 067	9622	20 88~~9~~ 95		
H.H. # 95			3654	19 41~~3~~ 19		
H.H. # 96			4650	18 4~~17~~ 23		
BM 48-94	2660	21 212	4515	18 55~~2~~ 8	BM 48-94 EL=18.558	FB. 1369-79
					SOLSTICE CYN	I-9A
H.H. # 97			3940	17 27~~2~~ 7		
H.H. # 98			4850	16 36~~2~~ 9		

F.B. 3264 PG. 166
Job No. 5292.87 Division No. 11 Notes Red. Plotted Profile
Survey of W. W. DIST. No 29 Date No. X-Sec.
Survey by LIND Notes LIND Notes Chkd. Checked
Indexed C. J. GALLI Date Date No.

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STATION	B.S.	H.I.	F.S.	ELEV.		
		21 212				
BM 48-95	4077	20 885	4404	16 ~~808~~ 812	BM 48-95 EL= 16.812 FB 1369-80	
BM 48-95A	4492	21 297	4080	16 ~~805~~ 810	BM 48-95 A EL= 16.810 FB 1369-80	
H.H.# 99			5058	16 ~~239~~ 235 ~~24~~	16.244	
H.H.# 101			5102	16 ~~195~~ 191	16.199	
H.H.# 102			5060	16 ~~237~~ 234	16.240	
H.H.# 103			5020	16 ~~277~~ 274	16.279	
TP	4740	22345	3692	17 ~~605~~ 603	16.607	
BM 48-96	6882	25 438	3789	18 ~~556~~ 558	BM 48-96 EL= 18.558 FB 1369-80	
T.P.	8370	32 775	1033	24 405	SOLSTICE LYN H-8	
H.H.# 104			3000	29 775		
T.P.	7780	39 187	1368	31 407		
H.H.# 105			6872	32 315		

Profile Notes Red ____ Plotted ____ Job No. 5292.87 Division No. 11 F.B. 3264 Pg. 167
No. ____ Date ____ Date ____ Survey of W.W. DIST. No.
X-Sec. Notes Chkd. ____ Checked ____ Survey by LIND Notes [illegible] Date 3-3-66
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

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STATION	B.S.	H.I.	F.S.	ELEV.		
		39 187				
BM 48-97	7094	41 232	5049	34 ~~132~~ 134	BM 48-97 EL=34 134 FB 1369-81	
					SOLSTICE LYN	H-8A
H.H. # 106			7670	33 562		
H.H. # 107			6306	34 926		
H.H. # 108			5303	35 929		
H.H. # 109			4627	36 605		
H.H. # 110			3834	37 398		
H.H. # 111			3488	37 744		
T.P.	5440	44 024	2648	38 584		
HH# 112			5878	38 146		
H.H. # 113			5360	38 664		
H.H. # 114			5164	38 860		
H.H. # 115			5409	38 615		
BM 48-98	3764	43 118	4670	39 354	BM 48-98 EL=39.354 FB 1369-81	
H.H. #116			4599	38 519		

F.B. 3264 Pg. 168
Job No. 5292.87 Division No. 11 Notes Red Plotted Profile
Survey of W. W. DIST. #29 Date Date No. X-Sec.
Survey by LIND Notes LIND Notes Chkd. Checked
Indexed C. J. GALL Date Date No.

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STATION	B.S.	H.I.	F.S.	ELEV.		
		43 118				
H.H. # 117			4951	38 167		
H.H. # 118			5380	37 738		
H.H. # 119			5717	37 401		
H.H. # 120			6158	36 960		
H.H. # 121			6800	36 318		
T.P.	3228	40 286	6060	37 058		
H.H. # 122			4400	35 886		
H.H. 123			5035	35 251		
H.H. # 124			5450	34 836		
H.H. # 125			6114	34 172		
H.H. # 126			6577	33 709		
T.P.	2868	36 796	6358	33 928		
H.H. # 127			3580	33 216		
H.H. # 128			4395	32 401		
H.H. # 129			4750	~~32 046~~	32048	
H.H. # 130			5192	31 604	31.607	
H.H. # 131			5753	31 043	31.047	
H.H. # 132			6149	30 647	30.652	
H.H. # 133			6896	29 900	29.906	
BM [illegible]			6184	30 612	619 BM 48-99A EL= 30.619	FB 1369-142

Profile Notes Red ____ Plotted ____ Job No. 5296.87 Division No. 11 F.B. 3264 Pg. 169
No. ____ Date ____ Date ____ Survey of W. W. DIST. No 29
X-Sec. Notes Chkd. ____ Checked ____ Survey by LIND Notes LIND Date 3-3-66
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76-L298 CE 307 3-61

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STATION	B.S.	H.I.	F.S.	ELEV.		
BM 48-99A	2993	33 612		30 619	BM 48-99A EL= 30.619	
					FB 1369-142	SOLSTICE CYN. G9
HH # 134			3934	29678		
H.H. # 135			4540	29072		
T.P.	4859	34599	3872	29740		
T.P.	4717	35 411	3905	30694		
T.P.	5190	36 753	3848	31 563		
T.P.	5335	37 718	4370	32 383		
T.P.	7452	41 959	3211	34 507		
T.P.	8140	48 547	1552	40 407		
BM 48-100			2153	46 349	BM 48-100 EL= 46.349 FB 1369-83	
					SOLSTICE CYN G-9A	
BM 48-100	7545	53 894		46 349	BM 48-100	EL= 46.349
						FB 1369-83
T.P.	8670	59 240	3324	50 570		

F.B. 3264 Pg. 170 Job No. 5292.87 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of W.W. DIST. # 29 Date ____ Date ____ No. ____
Survey by LINE Notes LINE Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed C. L. GALL Date ____ Date ____ Date ____ No. ____

76-L298 CE 307 3-61

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STATION	B.S.	H.I.	F.S.	ELEV.		
		59 240				
T.P.	9510	67 920	0830	58 410		
T.P.	10 005	77 537	0388	67 532		
T.P.	9928	87 185	0280	77 257		
T.P.	9995	96 404	0776	86 409		
H.H.# 136			4170	92 234		
T.P.	9518	105380	0542	95 862		
H.H.# 137			5898	99 482		
T.P.	10 735	115 748	0367	105 013		
H.H.# 138			8700	107 048		
H.H.# 139			1108	114 640		
T.P.	5948	121 488	0208	115 540		
T.P.	10.194	128.552	3130	118 358	@ ANGLE POINT	BT SPK W. & TIL
H.H.# 140			7.113	121.439		
H.H.# 141			1360	~~127.192~~ 127.194		
T.P.	8500	136.592	0460	~~128.092~~ 128.096		
H.H.# 142			5028	~~131.564~~ 131.569		
T.P.	6984	142.023	1.553	~~135.039~~ 135.047		
H.H.# 143			7.045	~~134.978~~ 134.988		
# 144			4.958	~~137.065~~ 137.077		
T.P.	4.625	142.348	4.300	~~137.723~~ BM. 48-102 ELEV. = 137.737		

Profile Notes Red ____ Plotted ____ Job No. 5292.87 Division No. 11 F.B. 3264 Pg. 171
No. ____ Date ____ Date ____ Survey of W.W. DIST. No 29
X-Sec. Notes Chkd. ____ Checked ____ Survey by LIND Notes LIND Date 3-3-66
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

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F.B. 1369 Pg. 172 Job No. 2222 Division No. 11 Notes Red Plotted Profile
Survey of H.W.L. EST #29 Date Date No.
Survey by C.K. Lane Notes Rakes Notes Chkd. Checked X-Sec.
Indexed C. J. GALLI Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.		
B.M. 48-102		142 348	7 400	134.948	B.M. 48-102 ELEV. = 134.964 F.B. 1369-85	
					SOLITICE CANYON F-9A	
B.M. 48-102				134.964	B.M 48-102 ELEV = 134.964 F.B. 1369-85	
	3.221	138 185			SOLSTICE CANYON F-9A	
T.P.	1 290	129.652	9 823	128.362		
B.M. 48-103			9 650	120.002	B.M-48-103 ELEV = 120.005 F.B. 1369-86	
					SOLSTICE CANYON E-9	
B.M. 48-103				120.005	B.M. 48-103 ELEV. = 120.005 F.B. 1369-86	
	1.829	121.834			SOLSTICE CANYON E-9	
T.P.	1.150	111.544	11.440	110.394		
T.P.	0.830	100 560	11.814	99.730		
T.P.	0559	89.757	11.362	89.198		
T.P.	3379	83.133	10.003	79.754		
B.M 48-104			5755	77.378	B.M. 48-104 ELEV=	F.B. 1369-87
	1.550	78.928			SOLSTICE CANYON E-9A	
T.P.	1.504	68.695	11.737	67.191		
H.H. # 145			3.486	65.209		
H.H. # 146			6 355	62.340		
H.H. # 147			9 410	59 285		
T.P.	0445	57.376	11.764	56.931		
H.H. #148			1058	56.318		

76-L298 CE 307 3-61

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STATION	B.S.	H.I.	F.S.	ELEV.		
H.H. # 149		57.376	3.999	53.377		
H.H. # 150			7.100	50.276		
H.H. # 151			10.115	47.261		
T.P.	0900	46.563	11.713	45.663		
H.H. # 152			2.170	44.393		
H.H. # 153			5.408	41.155		
H.H. # 154			8.490	38.073		
T.P.	0608	36.279	10.892	35.671		
# 155			1.360	34.919		
H.H. # 156			4.313	31.966		
H.H. # 157			7.320	28.959		
			7.085	29.194	B.M. 48-105 ELEV. 29.169 F.B. 1369.88	
	1 510	30.704			SOLSTICE CANYON E-9B	
H.H. # 158			4.608	26.096		
H.H. # 159			7.230	23.474		
H.H. # 160			9.607	21.097		
T.P.	1.287	21 841	10.150	20.554		
H.H. # 161			2.568	19.273		
H.H. # 162			3.820	18.021		
# 163			5.000	16.841	BM. 48-106 ELEV = 17.277 F.B. 1369-87	
BM. 48-106			4.567	17.274	U.S. RESET 1307	

Profile Notes Red ____ Plotted ____ Job No. 5292.87 Division No. 11 F.B. 3264 Pg. 173
No. ____ Date ____ Date ____ Survey of W.W. DIST No 29
X-Sec. Notes Chkd. ____ Checked ____ Survey by LIND Notes DOVER Date 3-4-66
No. ____ Date ____ Date ____ Map No. ____ Indexed E. J. GALL Date ____

Notes Ck'd by M. OSHITA	Survey of L.W. DIST #29	F. B. 3264	Pg. 179
Map No.	JN 5292.87 Tape 122 Std 84 °F		
Office Work	Surveyed by W.T. Voge		
Checked	Notes Voge Date 8-9-66		
Date	Indexed C. J. GALLI AUG 25 '66		

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WATER WORKS DISTRICT #29

J.N. 5292.87

CHECK OF HORIZONTAL MOVEMENT FROM TRAVERSE STATION LAS FLORES B-8, TO SOLSTICE CANYON D-9B.

REFERENCES USED:

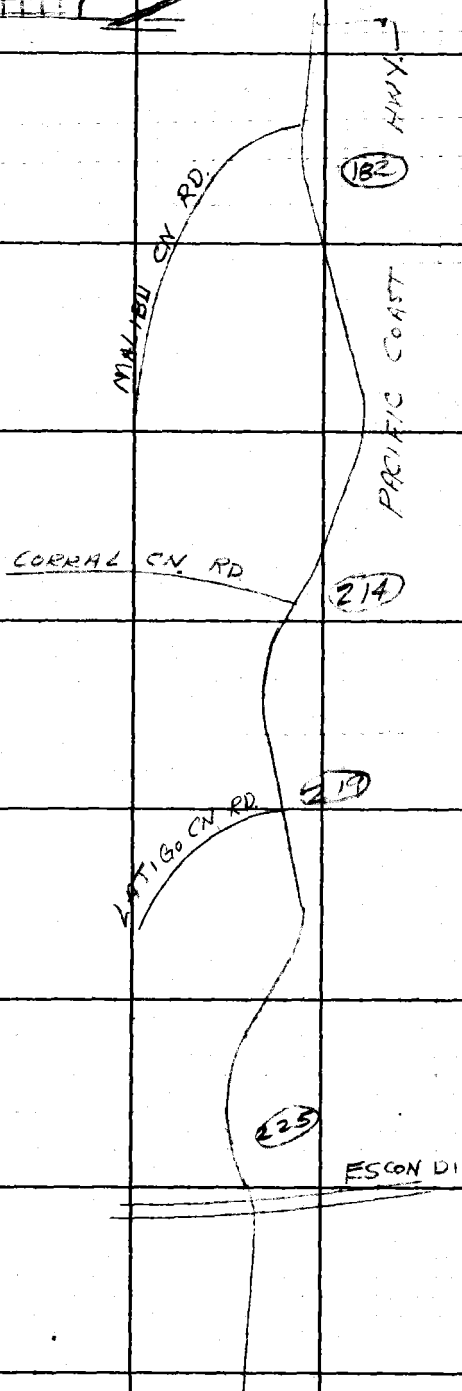
F.B. 3164

F.B. 3264

76F9095 CE #310 6/63

F. B. 3264 Pg. 180

INDEX



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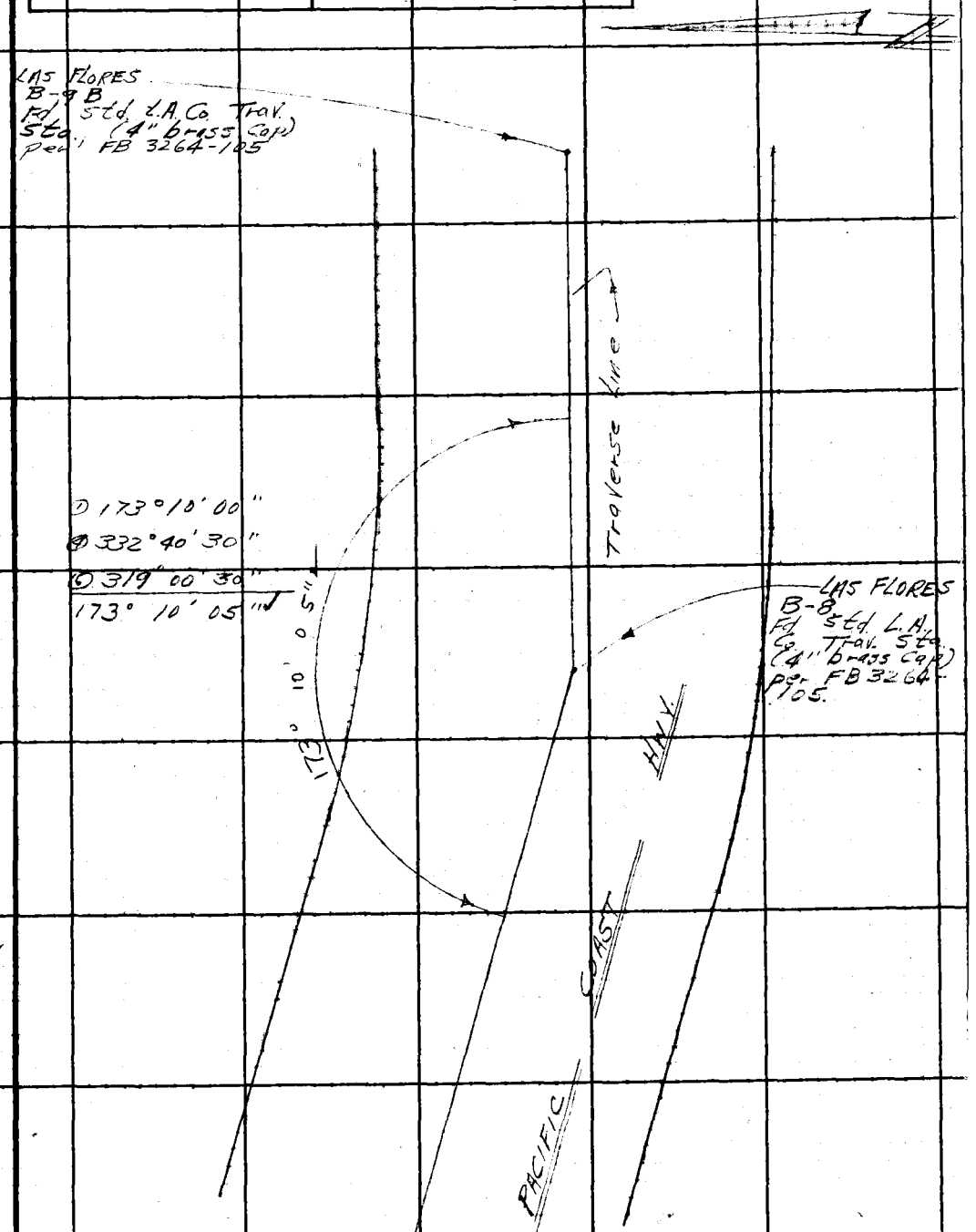
Notes Ck'd by M. OSHITA	Survey of W. W. Dist #29	F. B. 3264 PG. 181
Map No.	JN 5292.87 Tape 122 Std 84 °F	
Office Work	Surveyed by W. J. Voge	
Checked	Notes Voge Date 8-5-66	
Date	Indexed C. J. GALLI	



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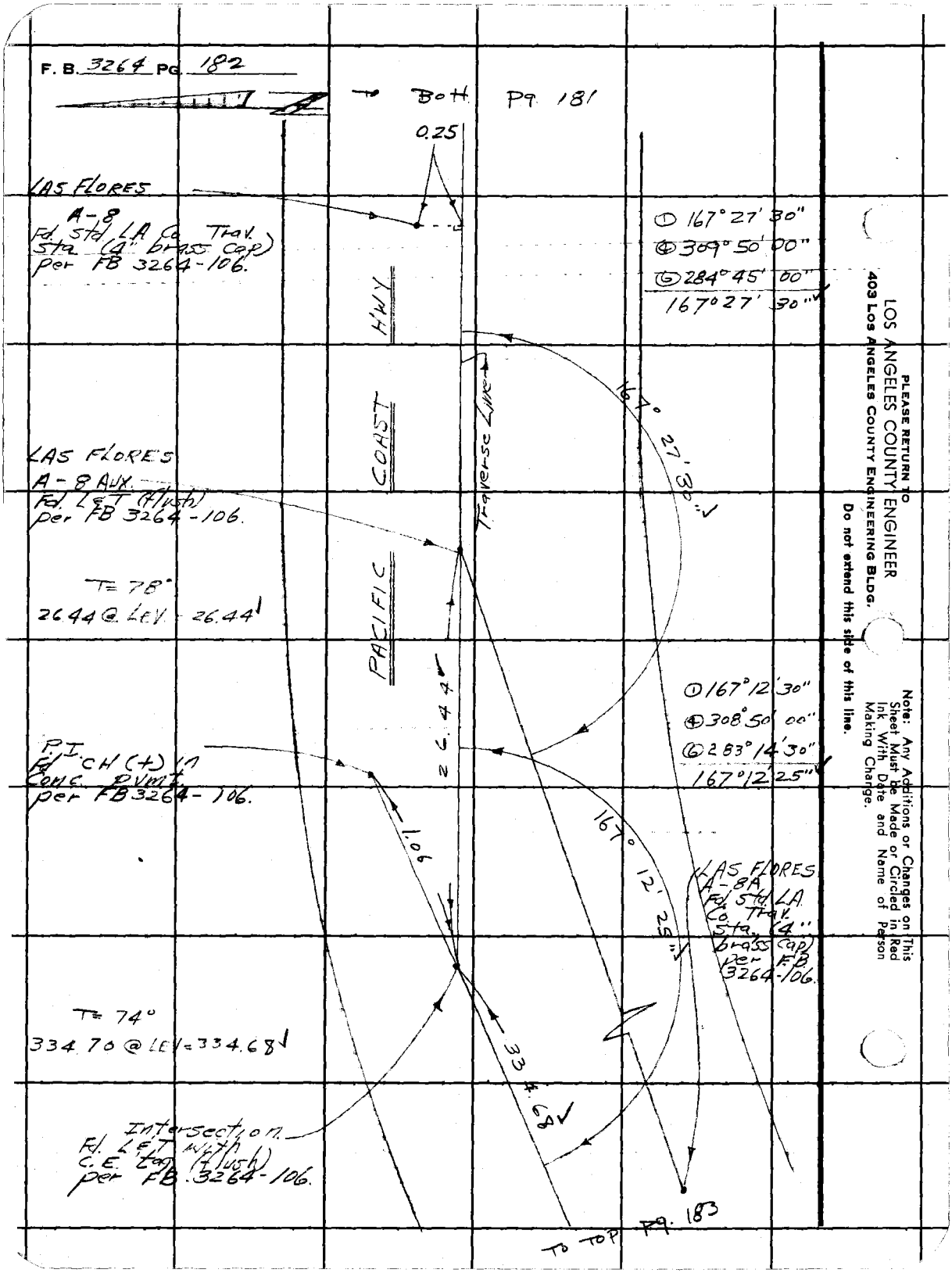
76F309S CE #310 6-63

TO TOP PG. 182


F. B. 3264 PG. 182
BOTT. PG. 181
0.25
LAS FLORES
A-8
Fd. Std. LA Co. Trav.
Sta. (4" brass cap)
per FB 3264-106.
① 167° 27' 30"
④ 309° 50' 00"
⑥ 284° 45' 00"
167° 27' 30"
PACIFIC COAST HWY
Traverse Line
167° 27' 30"
LAS FLORES
A-8 AUX.
Fd. L&T (flush)
per FB 3264-106.
T= 78°
26.44 @ LEV. = 26.44
26.44
① 167° 12' 30"
④ 308° 50' 00"
⑥ 283° 14' 30"
167° 12' 25"
P.I.
Fd. CH (+) in
Conc. pvmt.
per FB 3264-106.
1.06
167° 12' 25"
LAS FLORES
A-8A
Fd. Std. LA
Co. Trav.
Sta. (4"
brass cap)
per FB
3264-106.
T= 74°
334.70 @ LEV = 334.68
334.68
Intersection
Fd. L&T with
C.E. tag (flush)
per FB 3264-106.
TO TOP PG. 183
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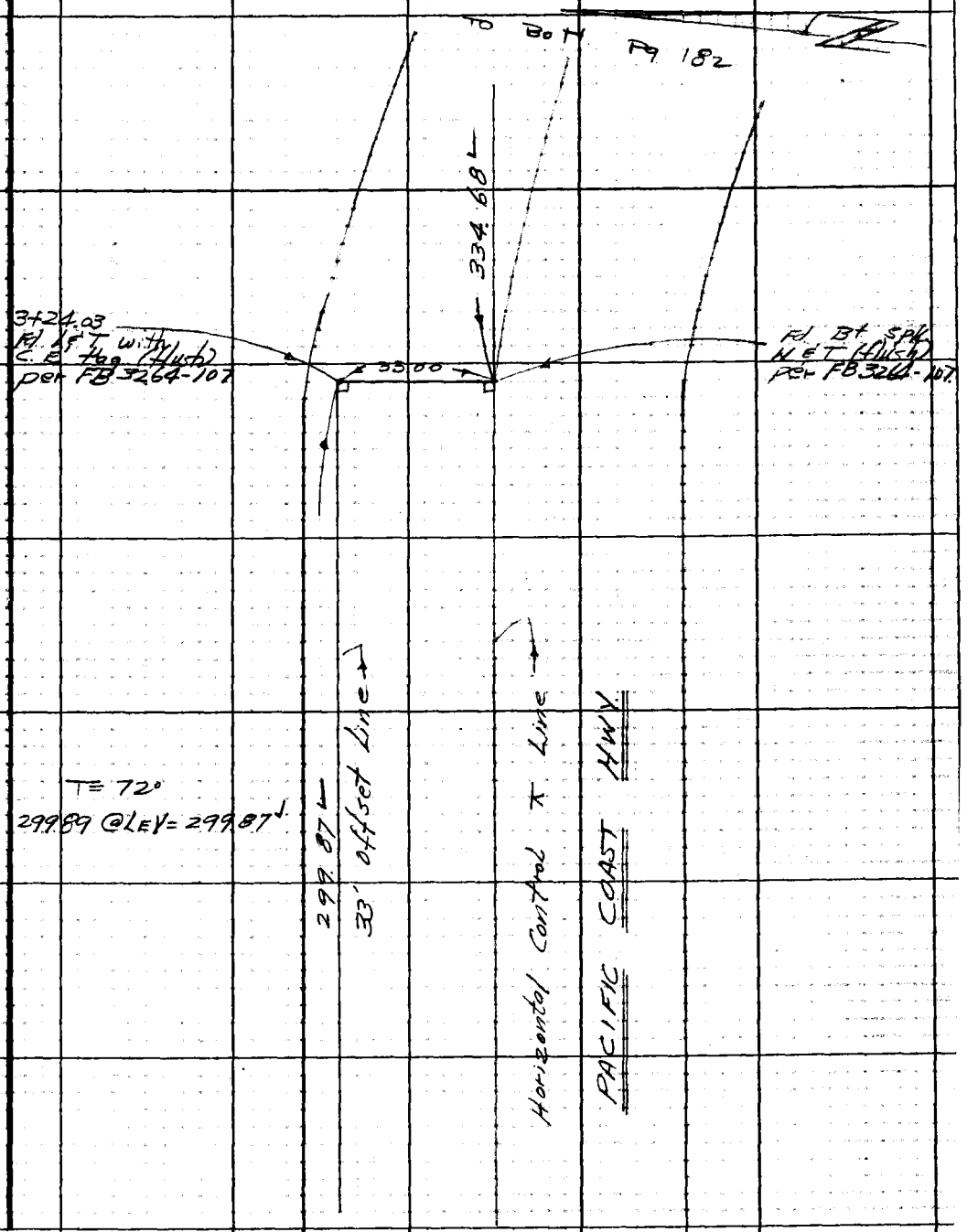
Notes Ck'd by M. OSHITA	Survey of N IN Dist #29
Map No.	JN 5292.87 Tape 122 Std 84 °F
Office Work	Surveyed by W.J Voge
Checked	Notes Voge Date 8 866
Date	Indexed C. J. GALLI

F. B. 3264 PG. 183



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76F309S CE#310 1-65

F. B. 3264 PG 184

To B.H. Pg. 183

299.87

33' Offset Line

6+23.90
Fd. Conc. Nail in pvmt per FB 3264-108

HWY

T = 72°
145.01 @ LEV. = 145.00

145.00

T Line

COAST

0.14

#14
7+68.90
Fd 3/4" I.P.E. Cap in Well per FB 3264-108.

NOTE: Pipe Touches Sleeve.

T = 72°
149.47 @ LEV = 149.46
5.06 @ LEV = 5.06

149.46

0.09

#15
9+18.36
Fd 3/4" I.P.E. Cap in Well per FB 3264-108.

NOTE: Pipe Touches Sleeve.

5.06

PACIFIC

9+23.42
Fd. Conc. Nail in pvmt. per FB 3264-108.

T = 72°
145.05 @ LEV = 145.04
149.43 @ LEV = 149.42

145.04

0.07

#16
10+16.46
Fd 3/4" I.P.E. Cap in Well per FB 3264-108.

149.42

To Top Pg. 185

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Notes Ck'd by M. OSHITA	Survey of W Dist #29
Map No.	JN 5292.87 Tape 122 Std 84 °F
Office Work	Surveyed by W. J. Voge
Checked	Notes Voge Date 8-8-66
Date	Indexed

F. B. 3264 PG. 185

TO Bott. Pg. 184

12+17.88 ✓
#17
Fd 3/4" I.P. & Cap in H.H. per FB 3264-109.

12+22.96 ✓
Fd Conc. Nail in Pvmt. per FB 3264-109.

12+94.09 ✓
Fd Bt. spk W & T (flush) per FB 3264-109.

T=74°
73.24 @ LEV = 73.24 ✓

T=74°
149.91 @ LEV = 149.90 ✓

T=72°
76.38 @ LEV = 76.37 ✓

15+93.60 ✓
Fd Conc. Nail in Pvmt. per FB 3264-109.

T=74°
73.53 @ LEV = 73.53 ✓

T=74°
149.84 @ LEV = 149.83 ✓

0.03
149.42
5.08
71.13
32.98
0.02
73.24
0.16
149.90
0.40
76.37
33' offset Line
73.53
0.55
149.83

HWY.
COAST
PACIFIC
LAS FLORES
π Line

T=72°
5.08 @ LEV = 5.08 ✓
71.14 @ LEV = 71.13 ✓

A-8-A
Fd 4" Std. brass cap mon. (Traverse Sta.) on 8" per FB 3264-109.

#18
13+67.33 ✓
Fd 3/4" I.P. & Cap in Well per FB 3264-109

#19
15+17.23 ✓
Fd 3/4" I.P. & Cap in Well per FB 3264-109

#20
16+67.13 ✓
Fd 3/4" I.P. & Cap in Well per FB 3264-109.

NOTE: Cap Touches Pipe

TO TOP Pg. 186

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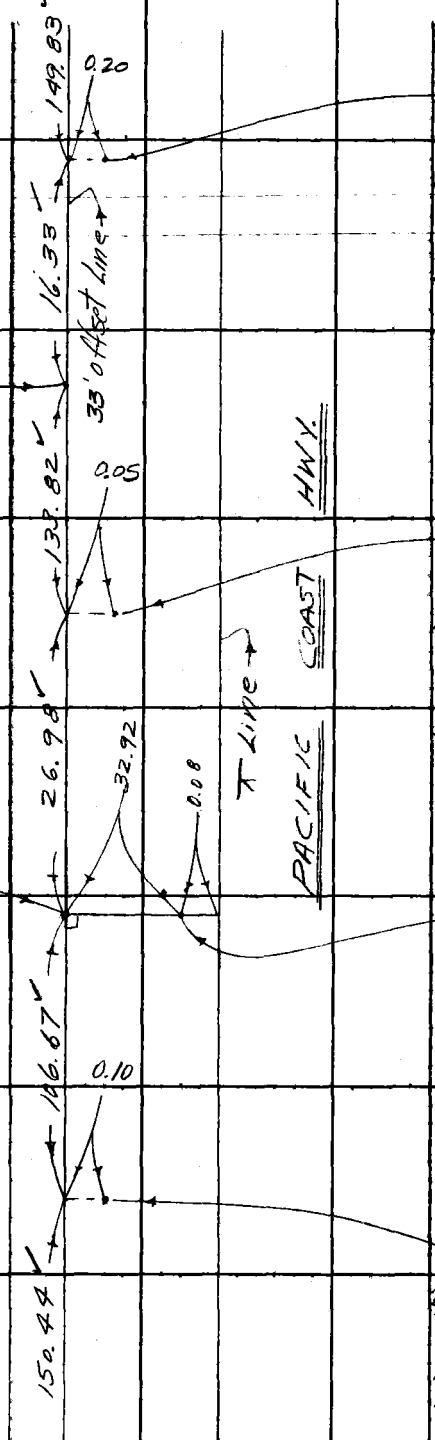
76F309S CE #310 6-63

To Bott. Pg. 185

F. B. 3264 PG. 186



T= 76°
16.33 @ LEV = 16.33

#21
18+16.96
Fd. 3/4" I.P. & cap in well per FB 3264-110.
NOTE: CAP Touches Well.

18+33.29
Fd. Conc. Nail in Pvmt. per FB 3264-110.

T= 76°
133.83 @ LEV = 133.82

#22
19+67.11
Fd. 3/4" I.P. & cap in Well per FB 3264-110.
NOTE: Cap Touches Well.

T= 74°
26.98 @ LEV = 26.98

19+94.09
Fd. Bt. spk w&T (flush) per FB 3264-110.

SOLSTICE CANYON L-8
Fd. 4" brass cap mon. (Traverse station) dn. 8" per FB 3264-110.

T= 74°
106.68 @ LEV = 106.67

#23
21+00.76
Fd. 3/4" I.P. & cap in Well per F.B. 3264-110.
NOTE: Pipe Touches Cap.

T= 76°
150.45 @ LEV = 150.44

To Top Pg. 187

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Notes Ck'd by M. OSHITA	Survey of W.W. Dist #29	F. B. 3264 PG. 187
Map No.	JN 5292.87 Tape 122 Std 84 °F	
Office Work	Surveyed by W. J. Voge	
Checked	Notes Voge Date 8-8-66	
Date	Indexed C. J. GALLI	

To Bott Pg. 186

T=76°
43.46 @ LEV = 43.46

22+94.66
Fd. Conc Nail in Pvmt. per FB 3264-111

T=76°
106.09 @ LEV = 106.09

T=72°
150.01 @ LEV = 150.00

T=72°
52.96 @ LEV = 52.96

26+03.71
Fd. Bt. Spk W&T (flush) per FB 3264-111

T=76°
99.69 @ LEV = 99.68

T=76°
150.10 @ LEV = 150.09

150.44
0.27
43.46
33' offset line
T Line
106.09
0.13
150.00
0.49
52.96
32.93
0.07
99.68
0.21
150.09

#24
22+51.20
Fd 3/4" IP & Cap in Well per FB 3264-111.
NOTE: Pipe touching cap.

#25
24+00.25
Fd 3/4" I.P & Cap in Well per F.B. 3264-111.
NOTE: Pipe touching cap.

#26
25+50.75
Fd. 3/4" IP & Cap in Well per FB 3264-111.
NOTE: Pipe Loose.

SOLSTICE CANYON L-8A
Fd 4" brass cap mon. (L.A. Co. Trav. STA.) dn. 12" per FB 3264-111.

#27
27+03.39
Fd. 3/4" IP & Cap in Well per FB 3264-111.

PACIFIC COAST HWY.

To Top Pg. 188

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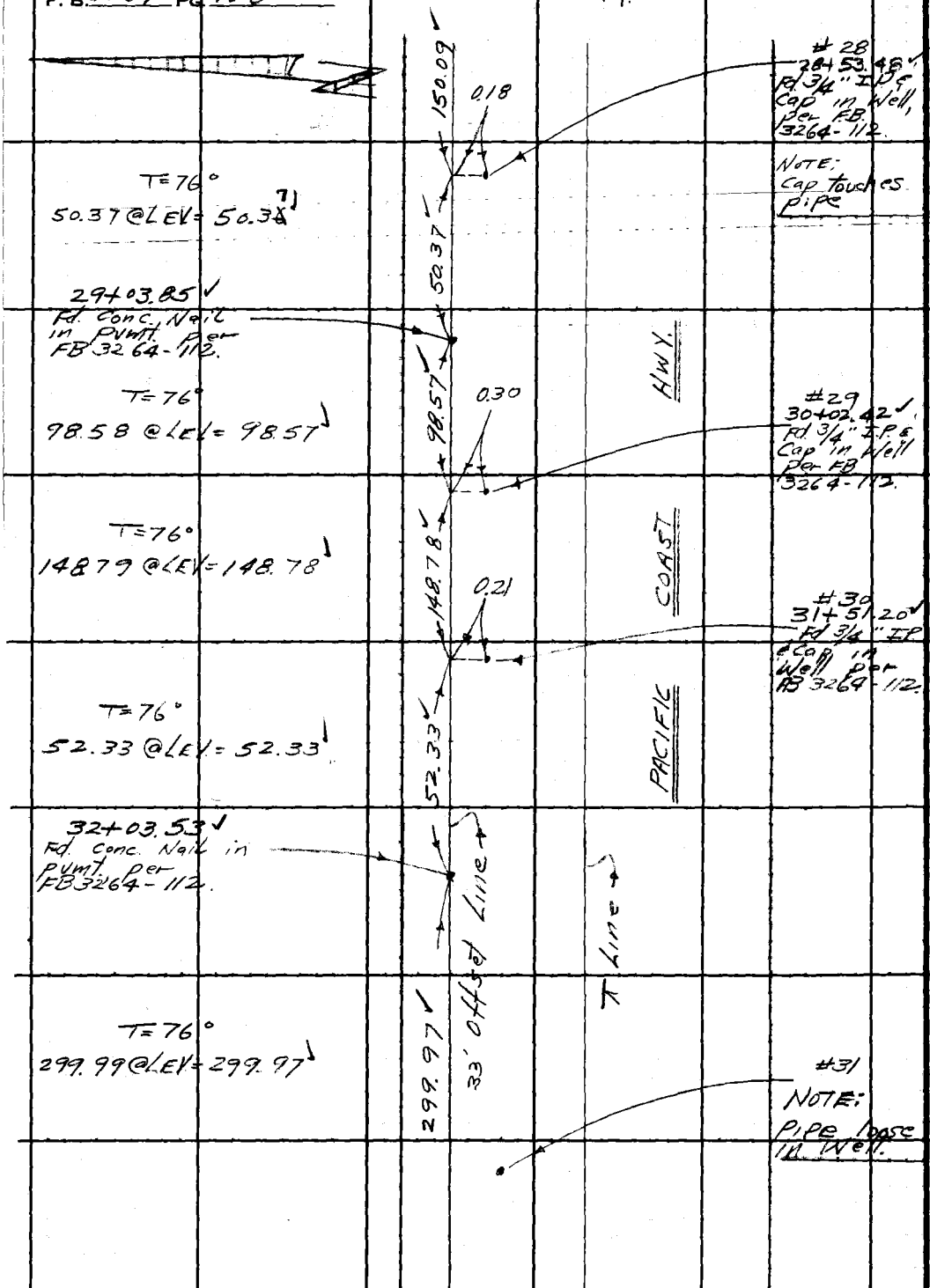
76F3095 CE #310 6-63

F. B. 3264 PG. 188

TO Bott. Pg. 187.



TO TOP Pg. 189

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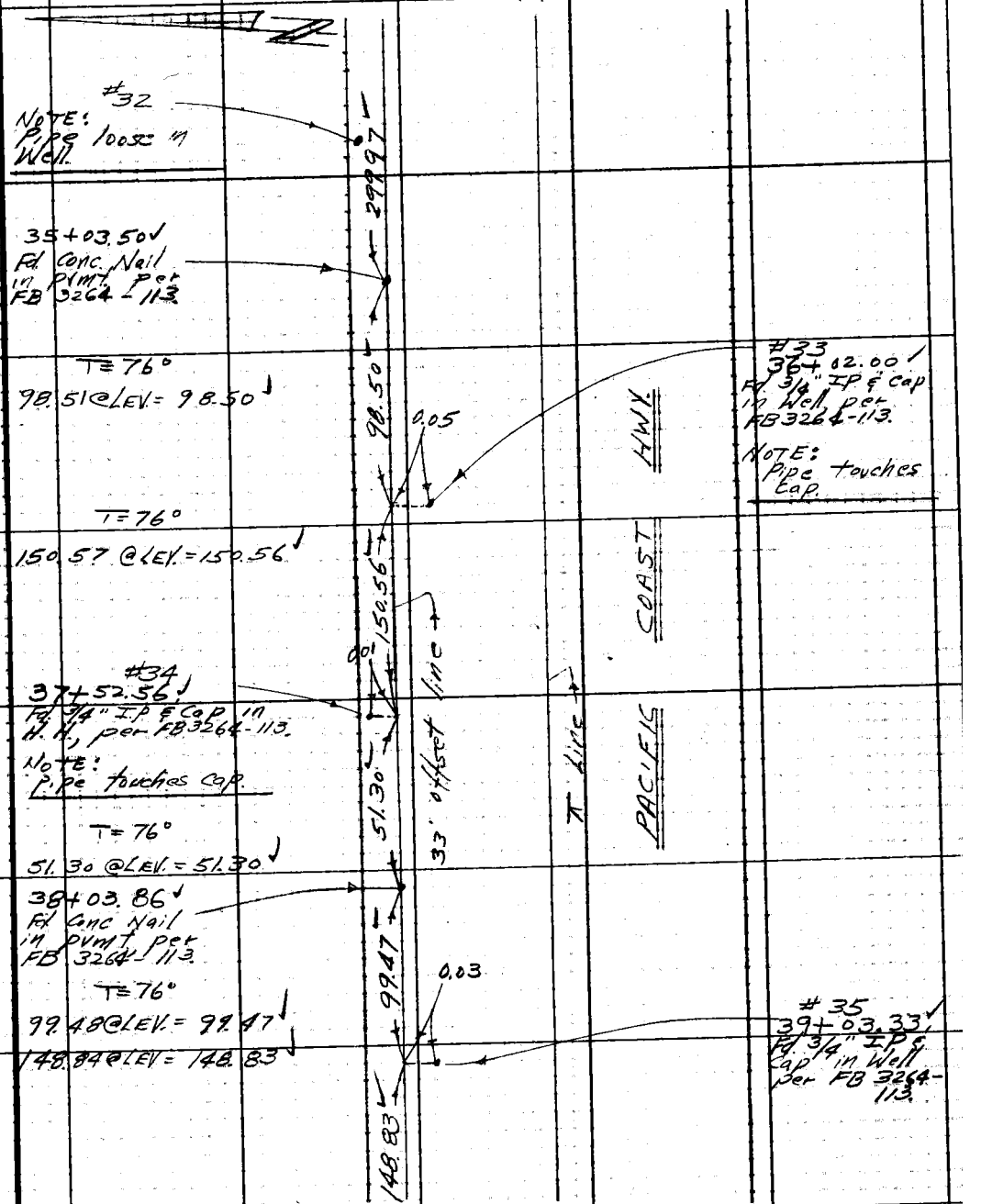
Notes Ck'd by M. OSHITA	Survey of W W Dist #29	F. B. 3264 PG. 189
Map No.	JN 5292.87 Tape 122 Std 64 °F	
Office Work	Surveyed by W J Voge	
Checked	Notes Voge Date 8-9-66	
Date	Indexed C. J. GALLI	

TO Bott. Pg 188



TO TOP Pg 190

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76F309S CE#310 1-65

F.B. 3264 PG 190

TO Bott. Pg. 189

148.83

#36
40+52.16
Fd. 3/4" IP & cap in Well per FB 3264-114.
NOTE:
Pipe touches cap.

T=78°
52.14 @ LEV = 52.14
41+04.30
Fd. Conc. Nail in Pvmt. per FB 3264-114.

T=74°
97.58 @ LEV = 97.57

T=76°
151.65 @ LEV = 151.64

T=76°
51.02 @ LEV = 51.02

44+04.53
Fd. Conc. Nail in Pvmt. per FB 3264-114.

T=76°
1146.47 @ LEV = 1146.41

0.11
52.14
33' offset line
97.57
0.37
151.64
0.15
51.02
1146.41

T Line
HWY
COAST
PACIFIC

#37
42+01.87
Fd. 3/4" IP & cap in Well per FB 3264-114.

#38
43+53.51
Fd. 3/4" IP & cap in Well per FB 3264-114.
NOTE:
Pipe loose

TO TOP Pg 191

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Notes Ck'd by M. OSHITA	Survey of N.W. Dist #29
Map No.	JN 529287 Tape 122 Std 84 °F
Office Work	Surveyed by N. I Voge
Checked	Notes Voge Date 8-9-66
Date	Indexed R. J. GALLI

F. B. 3264 PG. 191

TO BOTT. PG. 190

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114-057 B-1

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VS 41, B-3

1146.41

33' Highway Line

PACIFIC COAST HWY

T Line

55+50.94

Fd. BT. SPK. W&T (FLUSH) per FB 3264-115

33.00

SOLSTICE CN. K-8. Fd. a 4" brass cap mon. (L.A. Co. Traverse Sta.) per FB 3264-115

T=76°

159.96 @ LEV = 159.95

159.95

0.01

SOLSTICE CN. K-8A Fd. a 4" brass cap mon. (L.A. Co. Traverse Sta.) per FB 3264-115.

T=76°

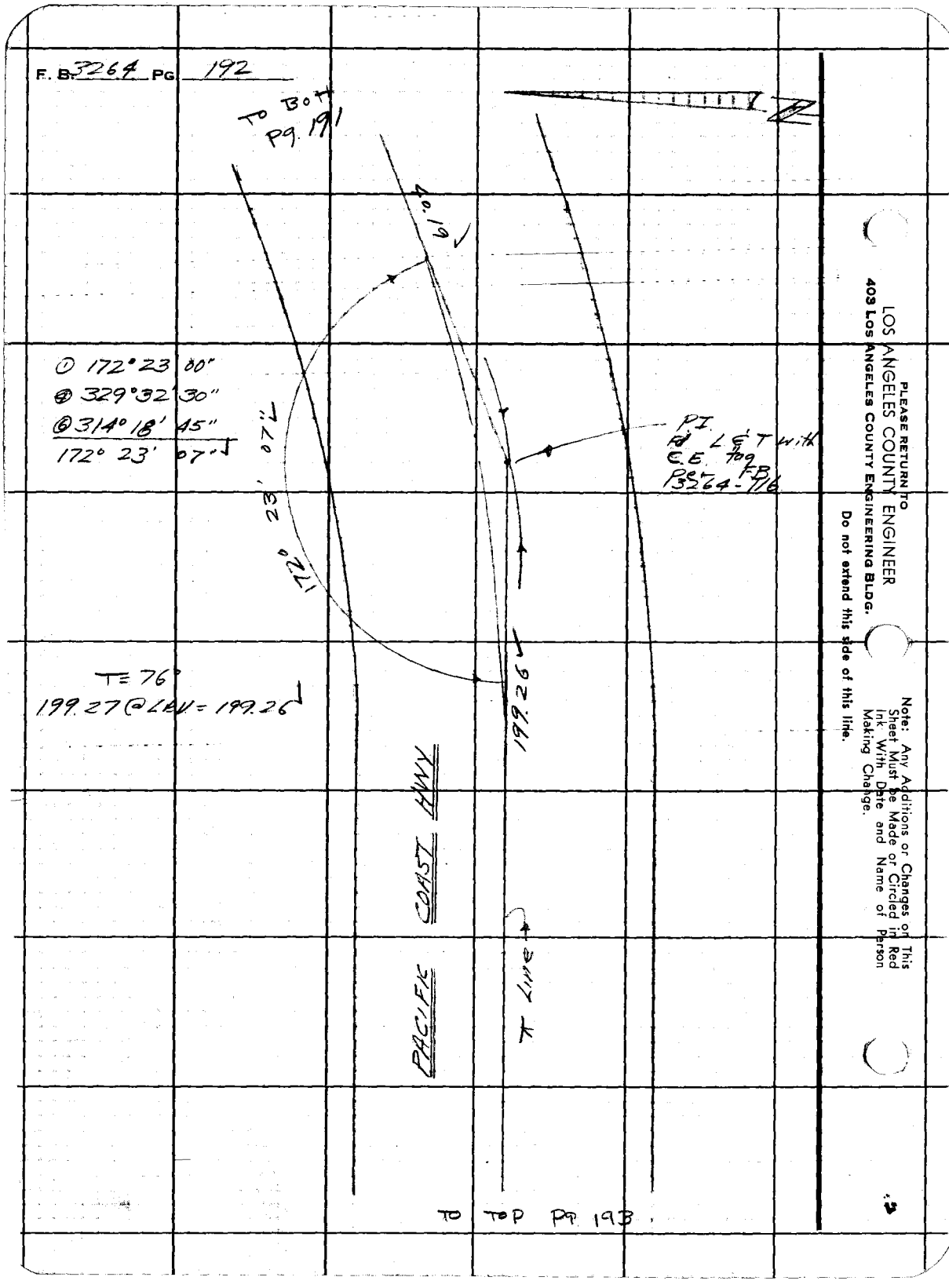
40.19 @ LEV = 40.19

40.19

TO TOP PG 192

76F309S CE#310 1-65

F. B. 3264 PG 192



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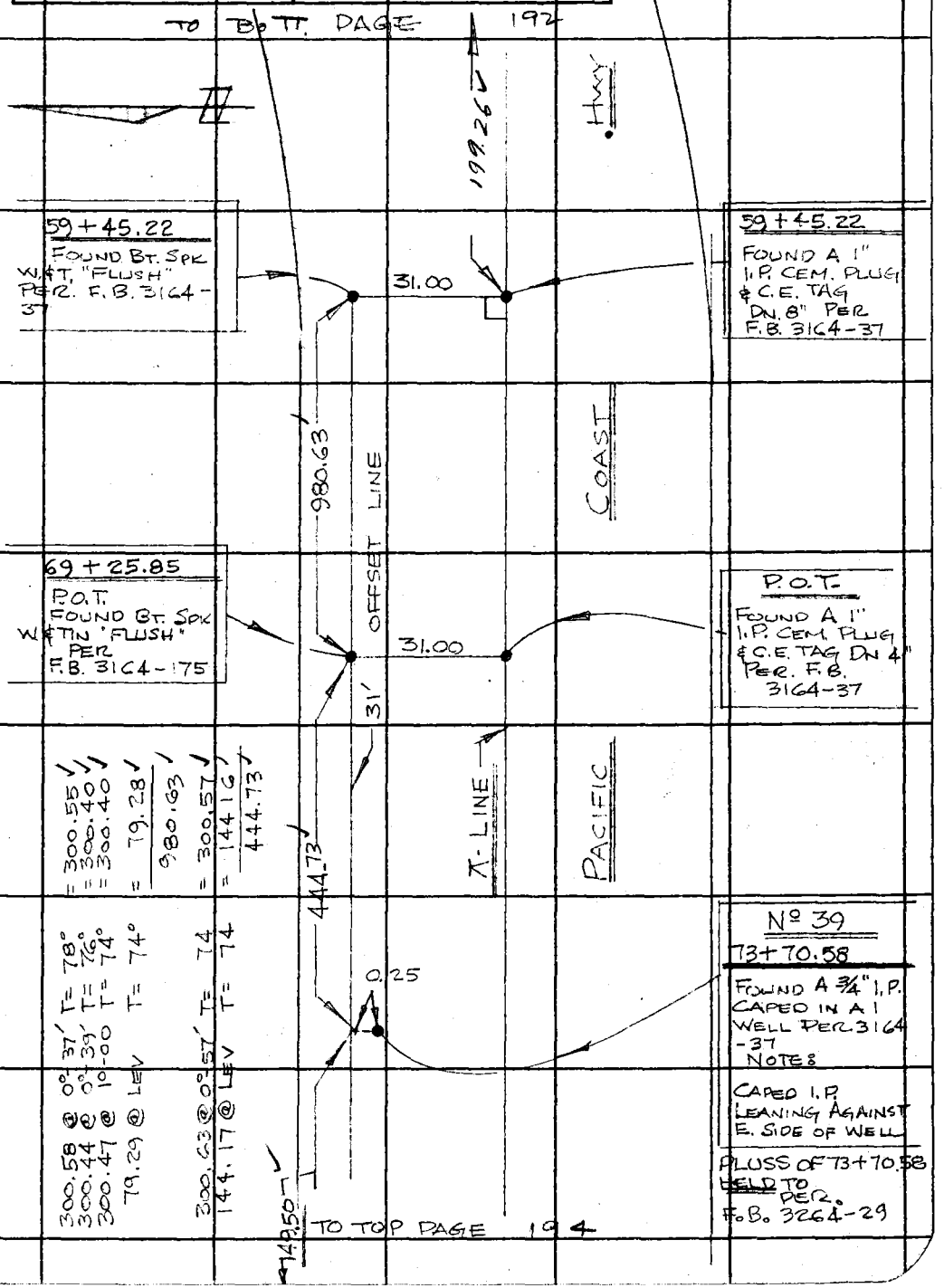
Notes Ck'd by M. OSHITA	Survey of W.W. DIST # 29	F. B. 3264 PG. 193
Map No.	JN 5292.87 Tape 184 Std 84 °F	
Office Work	Surveyed by LIND	
Checked	Notes DOVER Date 7-27-60	
Date	Indexed C. J. GALLI	



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76F309S CE # 310 3-61

F. B. 3264 PG. 194

TO BOT PAGE 193

149.51 @ LEV T=70°
= 149.50

149.50

0.21

HWY

150.54 @ LEV T=70°
= 150.53

150.53

0.35

149.46 @ LEV T=70°
= 149.45

149.45

℄ LINE

COAST

78 + 21.50

P. O. T.
FOUND A BT. SPK. W&TIN FLUSH" PER F.B. 3164-38

0.52

1.44

31.00'

148.87 @ LEV T=70°
= 148.86

148.86

0.30

150.25 @ LEVEL T=70°
= 150.24

150.24

0.21

PACIFIC

149.96 @ LEV. T=70°
= 149.95

149.95

0.27

149.94 @ LEV T=70°
= 149.93

149.93

TO TOP PAGE 195

Nº 40
75 + 20.08
FOUND A 3/4" CAPED I.P. IN A H.H. PER F.B. 3164-38

Nº 41
76 + 70.61
FOUND A 3/4" CAPED I.P. IN A H.H. PER F.B. 3164-38

Nº 42
78 + 20.06
FOUND A 3/4" CAPED I.P. IN A H.H. PER F.B. 3164-38

J-8
FOUND A STD. L.A. CO. TRAVERSE MON. DN 1' AND MARKED SOLSTICE CANYON J-8 1950 RE. 329 PER F.B. 3164-38

Nº 43
79 + 70.36
FOUND A 3/4" CAPED I.P. IN A H.H. PER. F.B. 3164-38

Nº 44
81 + 20.60
FOUND A 3/4" CAPED I.P. IN A. H.H. PER 3164-38

Nº 45
82 + 70.55
FOUND A 3/4" CAPED I.P. IN A H.H. PER. F.B. 3164-38

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Notes Ck'd by M. OSHITA	Survey of W.W. DIST #29	F. B. 3264	Pg. 195
Map No.	JN 529237 Tape 184 Std 84 °F		
Office Work	Surveyed by LIND		
Checked	Notes DOVER Date 7-28-66		
Date	Indexed C. J. GALLI		

TO BOT PAGE 194

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76F3095 CE # 310 3-61

31' OFFSET LINE

149.93

℄ LINE

HWY

PUERCO

CYN

ROAD

COAST

PACIFIC

Nº46
84 + 20.48
FOUND A 3/4" CAPED I.P. IN A H.H. PER. F.B. 3164-39

0.25

150.02 @ LEV. T = 74°
= 150.01

150.01

Nº47
85 + 70.49
FOUND A 3/4" CAPED I.P. IN A H.H. PER. F.B. 3164-39

3.00

82.36

31.00

B.C.
86 + 52.85
FOUND A BT. SPK. W/ TIN "FLUSH" PER F.B. 3164-39

82.37 @ LEV T = 74°
= 82.36

121.18 @ LEV T = 74°
= 121.17

121.17

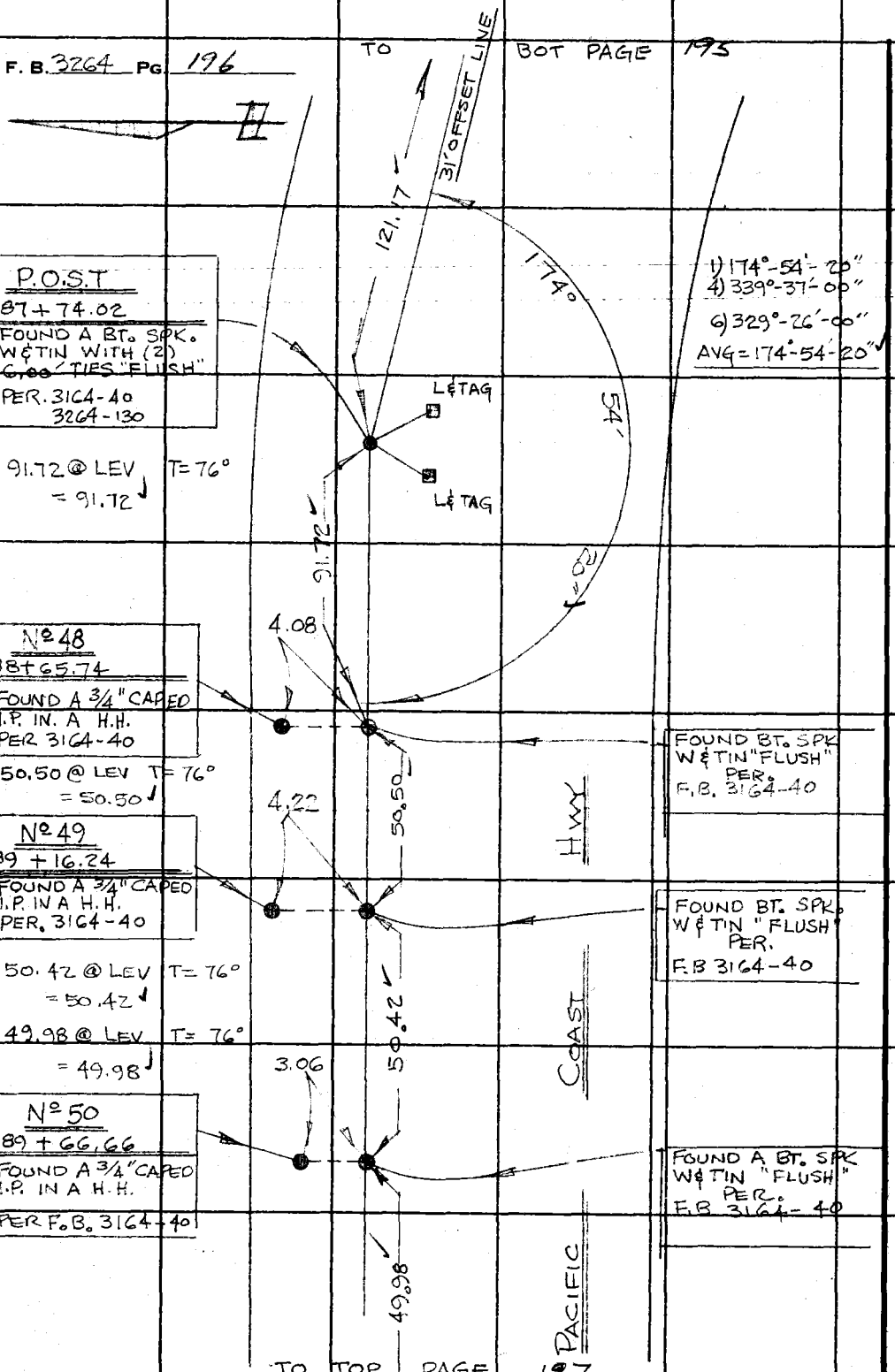
P.O.T.
FOUND A BT. SPK. W/ TIN "FLUSH" PER F.B. 3164-39

SOLSTICE CANYON
J-8-A
FOUND A STD. L.A. CO. TRAVERSE MON. DN. 0.7' STAMPED
SOLSTICE CANYON J-8-A
1950 R.E. 329
PER. F.B. 3164-39

TO TOP PAGE 196

F. B. 3264 PG. 196

TO BOT PAGE 195



P.O.S.T
87+74.02
FOUND A BT. SPK. W¢TIN WITH (2) ~~C.C.~~ TIES "FLUSH"
PER. 3164-40
3264-130

91.72 @ LEV T= 76°
= 91.72

Nº48
88+65.74
FOUND A 3/4" CAPPED I.P. IN A H.H.
PER 3164-40

50.50 @ LEV T= 76°
= 50.50

Nº49
89+16.24
FOUND A 3/4" CAPPED I.P. IN A H.H.
PER. 3164-40

50.42 @ LEV T= 76°
= 50.42

49.98 @ LEV T= 76°
= 49.98

Nº50
89+66.66
FOUND A 3/4" CAPPED I.P. IN A H.H.
PER F.B. 3164-40

1) 174°-54'-20"
4) 339°-37'-00"
6) 329°-26'-00"
AVG = 174°-54'-20"

FOUND BT. SPK W¢TIN "FLUSH" PER: F.B. 3164-40

FOUND BT. SPK. W¢TIN "FLUSH" PER. F.B 3164-40

FOUND A BT. SPK W¢TIN "FLUSH" PER: F.B 3164-40

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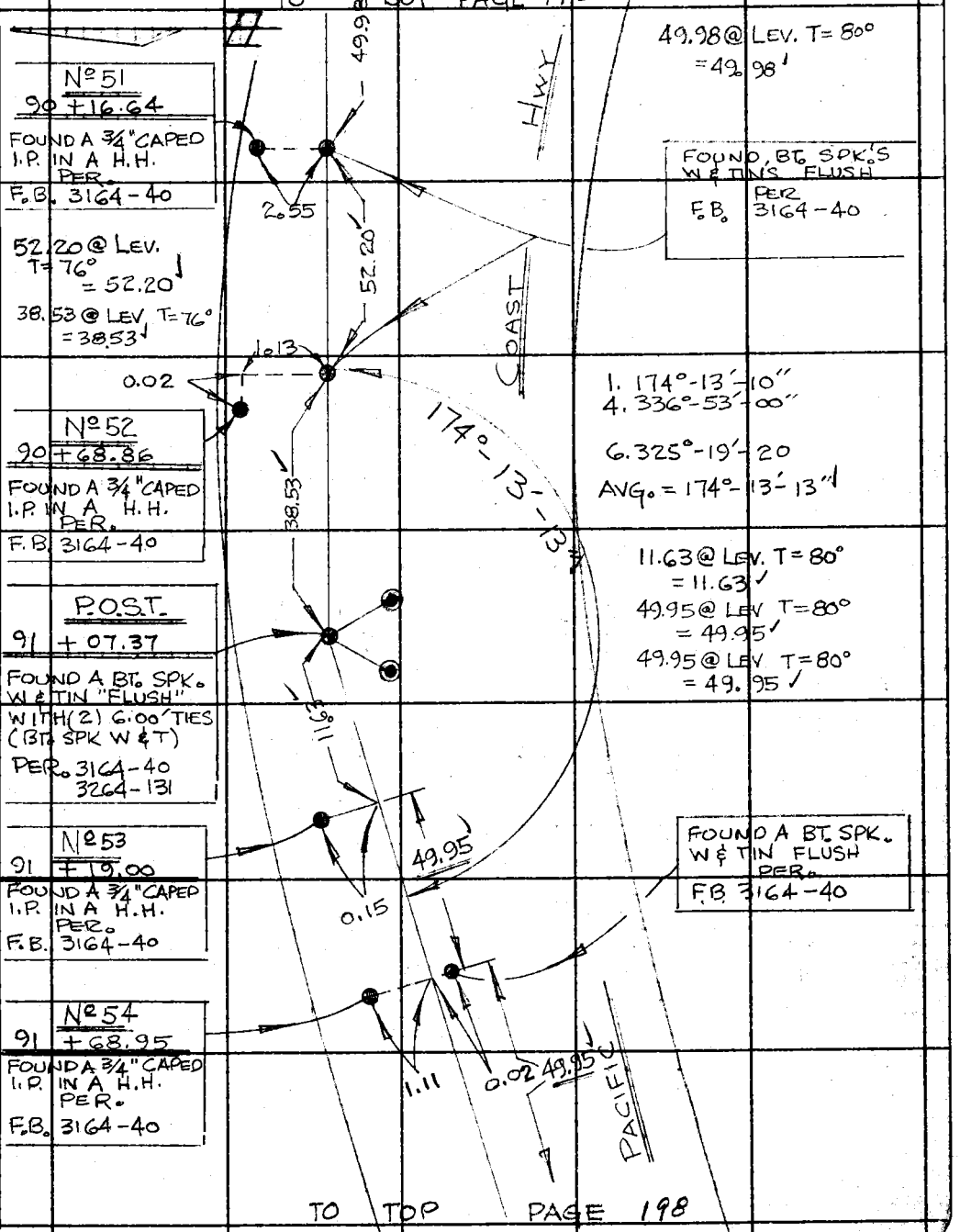
Checked
Date

Survey of W.W. DIST #29
JN 5292.87 Tape 184 Std 84 °F
Surveyed by LIND
Notes DOYER Date 7-29-66
Indexed C. J. GALLI

F. B. 3264 PG. 197

TO BOT PAGE 196



Nº 51
90 +16.64
FOUND A 3/4" CAPED I.P. IN A H.H. PER.
F.B. 3164-40

52.20 @ LEV. T=76°
= 52.20 ✓
38.53 @ LEV. T=76°
= 38.53 ✓

Nº 52
90 +68.86
FOUND A 3/4" CAPED I.P. IN A H.H. PER.
F.B. 3164-40

P.O.S.T.
91 +07.37
FOUND A BT. SPK. W & TIN "FLUSH" WITH (2) 6.00' TIES (BT. SPK W & T)
PER. 3164-40
3264-131

Nº 53
91 +19.00
FOUND A 3/4" CAPED I.P. IN A H.H. PER.
F.B. 3164-40

Nº 54
91 +68.95
FOUND A 3/4" CAPED I.P. IN A H.H. PER.
F.B. 3164-40

49.98 @ LEV. T=80°
= 49.98 ✓

FOUND BT. SPK'S W & TINS FLUSH PER
F.B. 3164-40

1. 174°-13'-10"
4. 336°-53'-00"
6. 325°-19'-20
AVG. = 174°-13'-13" ✓

11.63 @ LEV. T=80°
= 11.63 ✓
49.95 @ LEV. T=80°
= 49.95 ✓
49.95 @ LEV. T=80°
= 49.95 ✓

FOUND A BT. SPK. W & TIN FLUSH PER.
F.B. 3164-40

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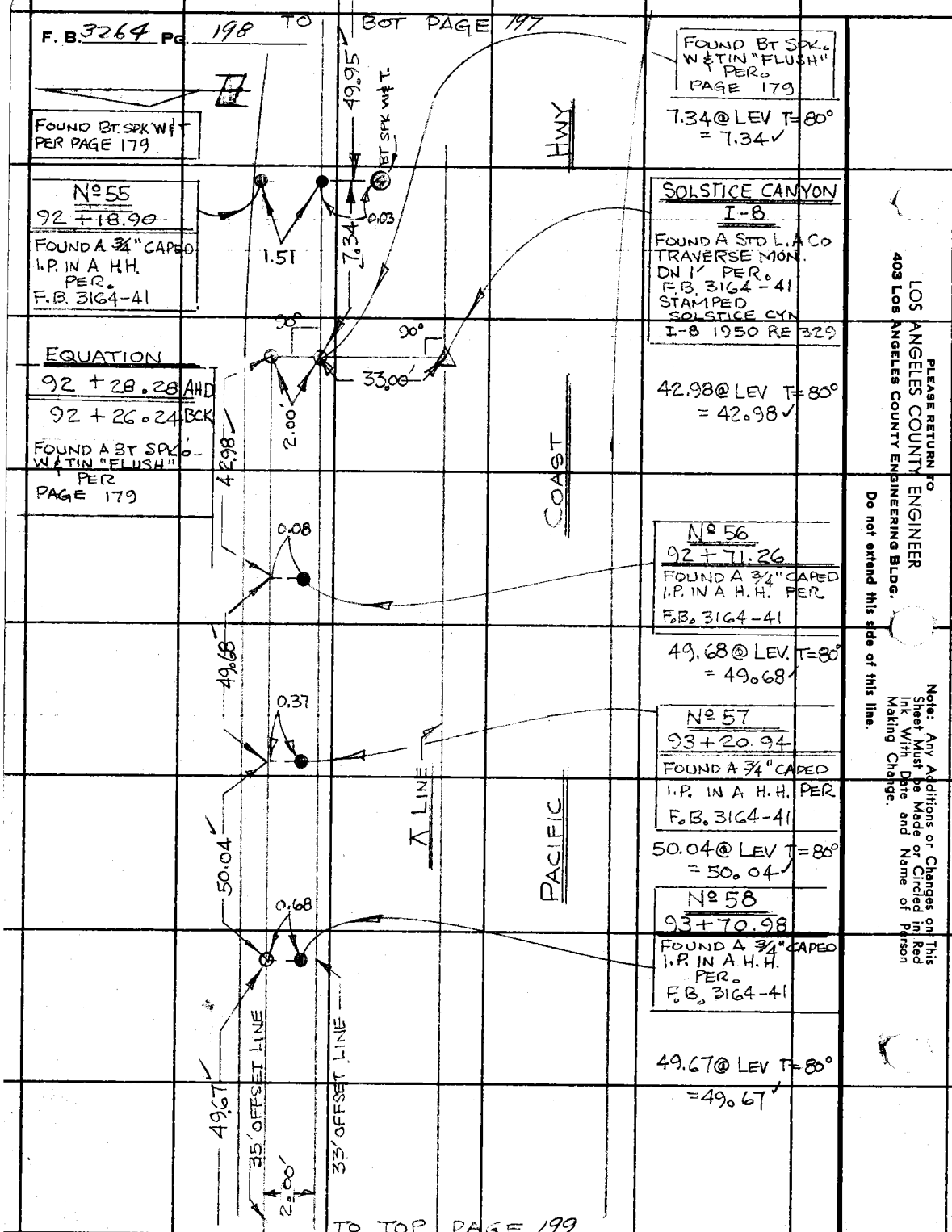
76F309S CE # 310 3-61

F.B. 3264 PG. 198 TO BOT PAGE 197



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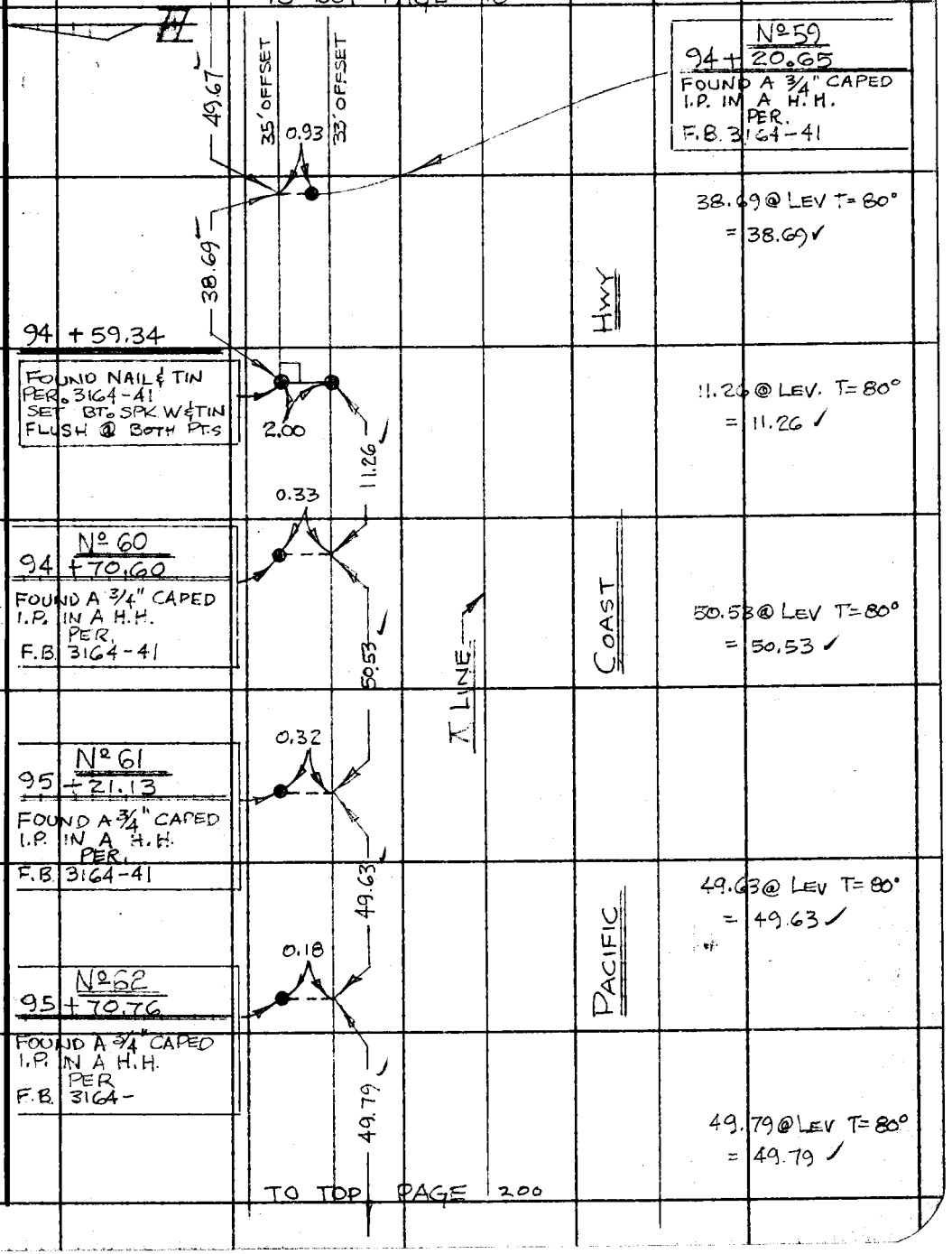
Map No.
Office Work
Checked
Date

Survey of W.W. DIST # 29
JN 5292.87 Tape 184° Std 84 °F
Surveyed by LIND
Notes DOVER Date 8-1-66
Indexed C. I. GALLI

F. B. 3264 PG. 199

TO BOT PAGE 198



94 + 20.65 No 59
FOUND A 3/4" CAPED I.P. IN A H.H. PER. F.B. 3164-41

38.69 @ LEV T = 80°
= 38.69 ✓

11.26 @ LEV. T = 80°
= 11.26 ✓

50.53 @ LEV T = 80°
= 50.53 ✓

49.63 @ LEV T = 80°
= 49.63 ✓

49.79 @ LEV T = 80°
= 49.79 ✓

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F. B. 3264 Pg. 200

TO BOT PAGE 199

49.79

Nº 63
96 + 20.55
FOUND A 3/4" CAPED I.P. IN A H.H. PER. F.B. 3164 - 42

0.10

49.69

49.69 @ LEV T = 80°
= 49.69 ✓

HWY

Nº 64
96 + 70.24
FOUND A 3/4" CAPED I.P. IN A H.H. PER. F.B. 3164 - 42

0.11

49.98

49.98 @ LEV. T = 76°
= 49.98 ✓

Nº 65
97 + 20.22
FOUND A 3/4" CAPED I.P. IN A H.H. PER. F.B. 3164 - 42

0.06

49.73

49.73 @ LEV T = 76°
= 49.73 ✓

℄ LINE

COAST

Nº 66
97 + 69.95
FOUND A 3/4" CAPED I.P. IN A H.H. PER. F.B. 3164 - 42

0.06

49.70

49.70 @ LEV T = 76°
= 49.70 ✓

Nº 67
98 + 19.65
FOUND A 3/4" CAPED I.P. IN A H.H. PER. F.B. 3164 - 42

0.05

PACIFIC

33' OFFSET LINE ℄

50.29

50.29 @ LEV T = 76°
= 50.29 ✓

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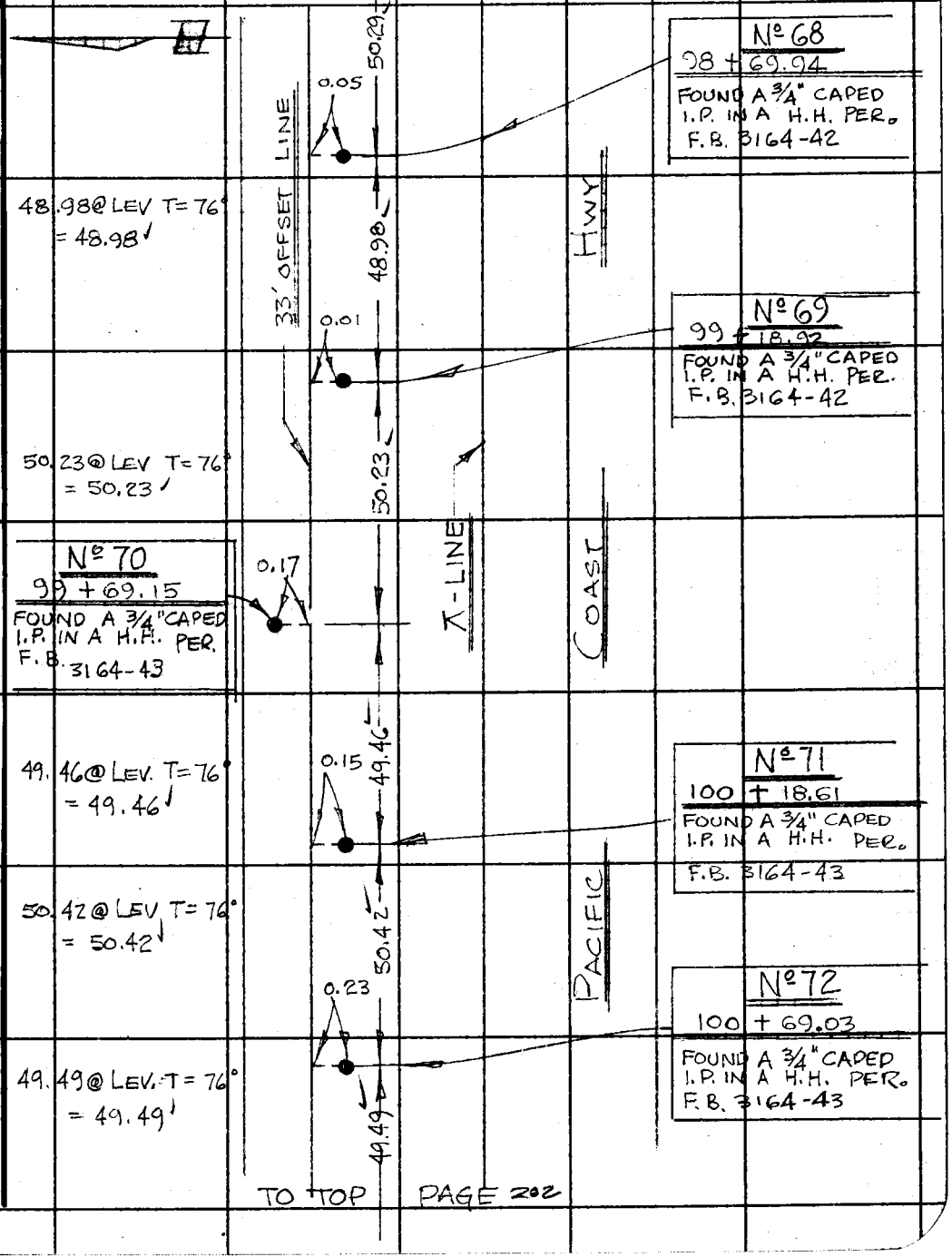
Office Work
Checked
Date

Survey of W.W. DIST. # 29
JN 5292.87 Tape 184 Std 84 °F
Surveyed by LIND
Notes DOVER Date 8-66
Indexed C. J. GALLI

F. B. 3264 PG. 201

TO BOT PAGE 200



48.98@ LEV T=76°
= 48.98

50.23@ LEV T=76°
= 50.23

49.46@ LEV. T=76°
= 49.46

50.42@ LEV T=76°
= 50.42

49.49@ LEV. T=76°
= 49.49

Nº 68
98 + 69.94
FOUND A 3/4" CAPED I.P. IN A H.H. PER. F.B. 3164-42

Nº 69
99 + 18.92
FOUND A 3/4" CAPED I.P. IN A H.H. PER. F.B. 3164-42

Nº 70
99 + 69.15
FOUND A 3/4" CAPED I.P. IN A H.H. PER. F.B. 3164-43

Nº 71
100 + 18.61
FOUND A 3/4" CAPED I.P. IN A H.H. PER. F.B. 3164-43

Nº 72
100 + 69.03
FOUND A 3/4" CAPED I.P. IN A H.H. PER. F.B. 3164-43

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76F309S CE # 310 8-61

F. B. 3264 PG. 202

TO BOT PAGE 201

49.49

0.16

50.29@ LEV T=76°
= 50.29

50.29

HWY

0.03

49.27@ LEV T=76°
= 49.27

49.27

LINE

A-LINE

COAST

0.27

49.90@ LEV T=76°
= 49.90

49.90

OFFSET

0.42

50.12@ LEV T=76°
= 50.12

50.12

33'

PACIFIC

0.28

49.70 @ LEV T=76°
= 49.70

49.70

0.21

50.20@ LEV T=76°
= 50.20

50.20

TO TOP PAGE 203

Nº 73
101 + 18.52
FOUND A 3/4" CAPED I.P. IN A H.H. PER F.B. 3164-43

Nº 74
101 + 68.81
FOUND A 3/4" CAPED I.P. IN A H.H. PER F.B. 3164-43 3264-38 NOTE:

Nº 75
102 + 18.08
FOUND A 3/4" CAPED I.P. IN A H.H. PER F.B. 3164-43

Nº 76
102 + 67.98
FOUND A 3/4" CAPED I.P. IN A H.H. PER F.B. 3164-43

Nº 77
103 + 18.10
FOUND A 3/4" CAPED I.P. IN A H.H. PER F.B. 3164-43

Nº 78
FOUND A 3/4" CAPED I.P. IN A H.H. PER F.B. 3164-43
103 + 67.80

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Checked
Date

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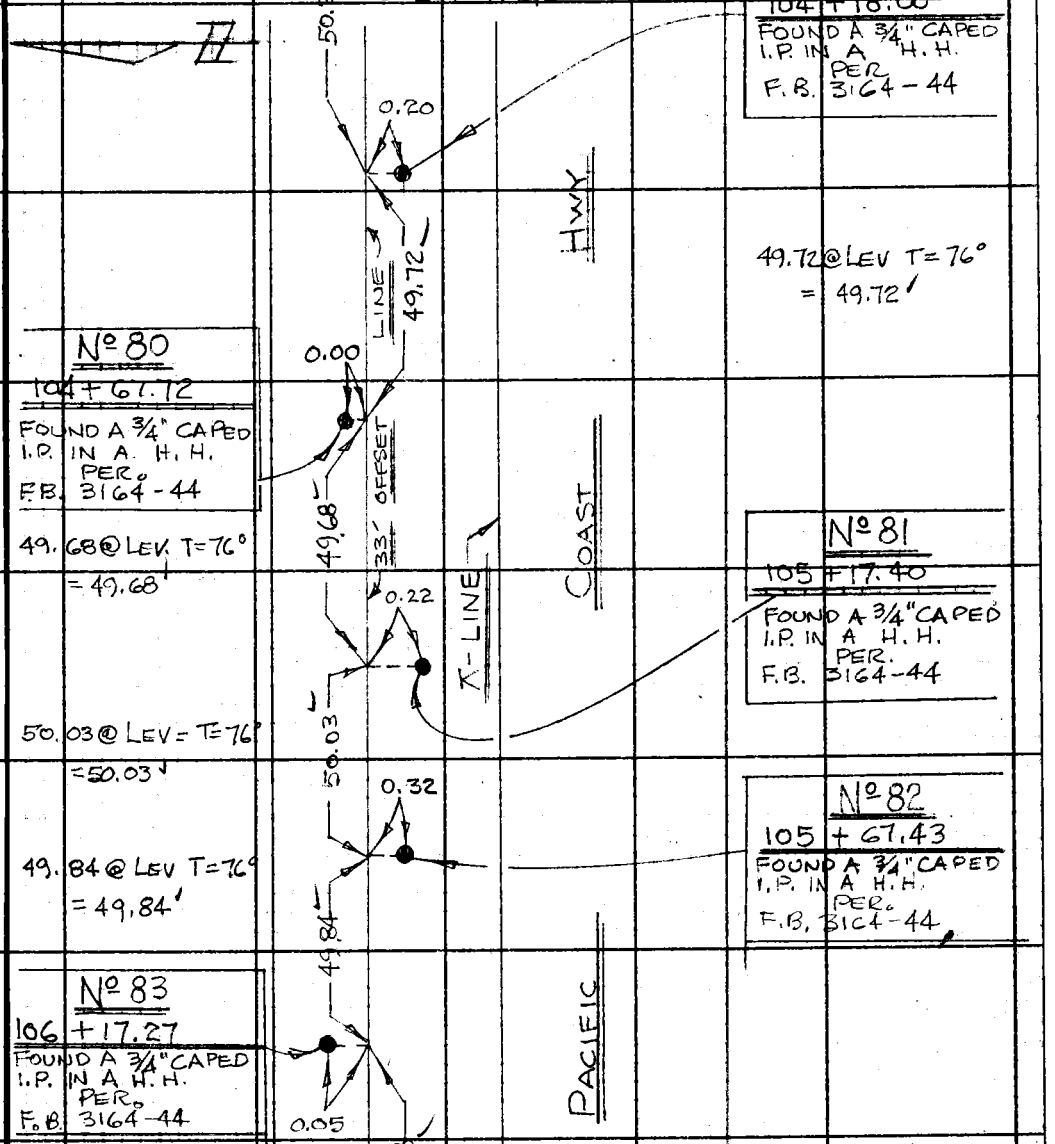
JN 5292.87 Tape 184 Std 84 °F
Surveyed by LIND
Notes DOVER Date 8-1-66
Indexed C. J. GALLI

F. B. 3264 Pg. 203

50.20 TO BOT PAGE 202



Nº 79
104 + 18.00
FOUND A 3/4" CAPED I.P. IN A H.H. PER F.B. 3164-44

49.72 @ LEV T=76°
= 49.72'

Nº 80
104 + 67.72
FOUND A 3/4" CAPED I.P. IN A H.H. PER F.B. 3164-44

49.68 @ LEV T=76°
= 49.68'

Nº 81
105 + 17.40
FOUND A 3/4" CAPED I.P. IN A H.H. PER F.B. 3164-44

50.03 @ LEV = T=76°
= 50.03'

Nº 82
105 + 67.43
FOUND A 3/4" CAPED I.P. IN A H.H. PER F.B. 3164-44

49.84 @ LEV T=76°
= 49.84'

Nº 83
106 + 17.27
FOUND A 3/4" CAPED I.P. IN A H.H. PER F.B. 3164-44

49.98 @ LEV. T=76°
= 49.98'

TO TOP PAGE 204

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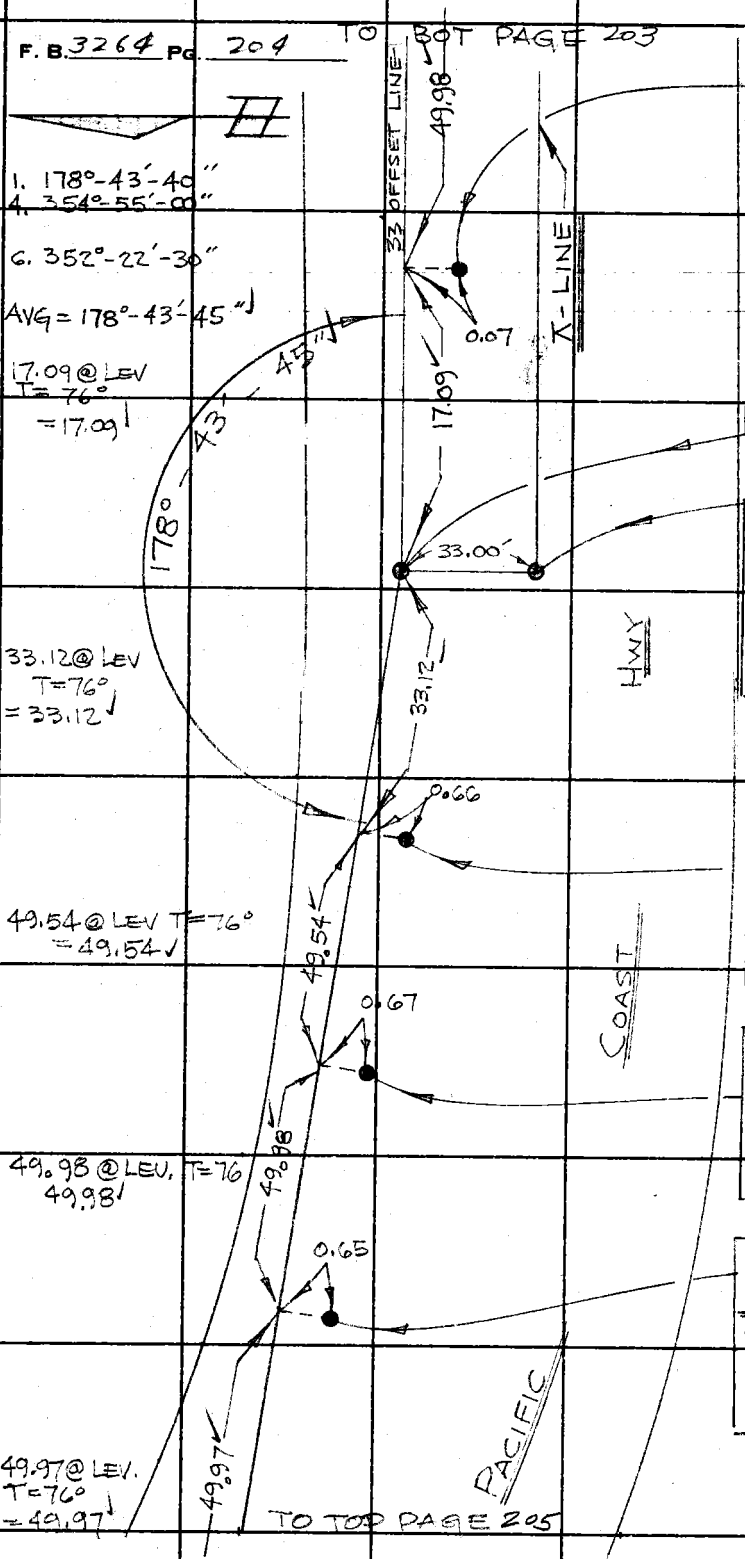
76F3095 CE # 310 3-61

F. B. 3264 Pg. 204

TO BOT PAGE 203



1. 178°-43'-40"
4. 354°-55'-00"

6. 352°-22'-30"

AVG = 178°-43'-45" ✓

17.09 @ LEV T=76°
= 17.09 ✓

33.12 @ LEV T=76°
= 33.12 ✓

49.54 @ LEV T=76°
= 49.54 ✓

49.98 @ LEV, T=76
49.98 ✓

49.97 @ LEV. T=76°
= 49.97 ✓

Nº 84
106+67.25
FOUND A 3/4" CAPED I.P. IN A H.H. PER.
F.B. 3164-44

106+84.34
FOUND A PUNCH MARK ON E'ly EDGE OF WASHER OF FOUND BT SPK W & TIN PER
F.B. 3164-44

E.C.
106+84.34
FOUND A 1" I.P. CEM. PLUG & C.E. TAG DN. 2' PER.
F.B. 3164-44

Nº 85
107+17.46
FOUND A 3/4" CAPED I.P. IN A H.H. PER.
F.B. 3164-44

Nº 86
107+67.00
FOUND A 3/4" CAPED I.P. IN A H.H. PER.
F.B. 3164-44

Nº 87
108+16.98
FOUND A 3/4" CAPED I.P. IN A H.H. PER.
F.B. 3164-44

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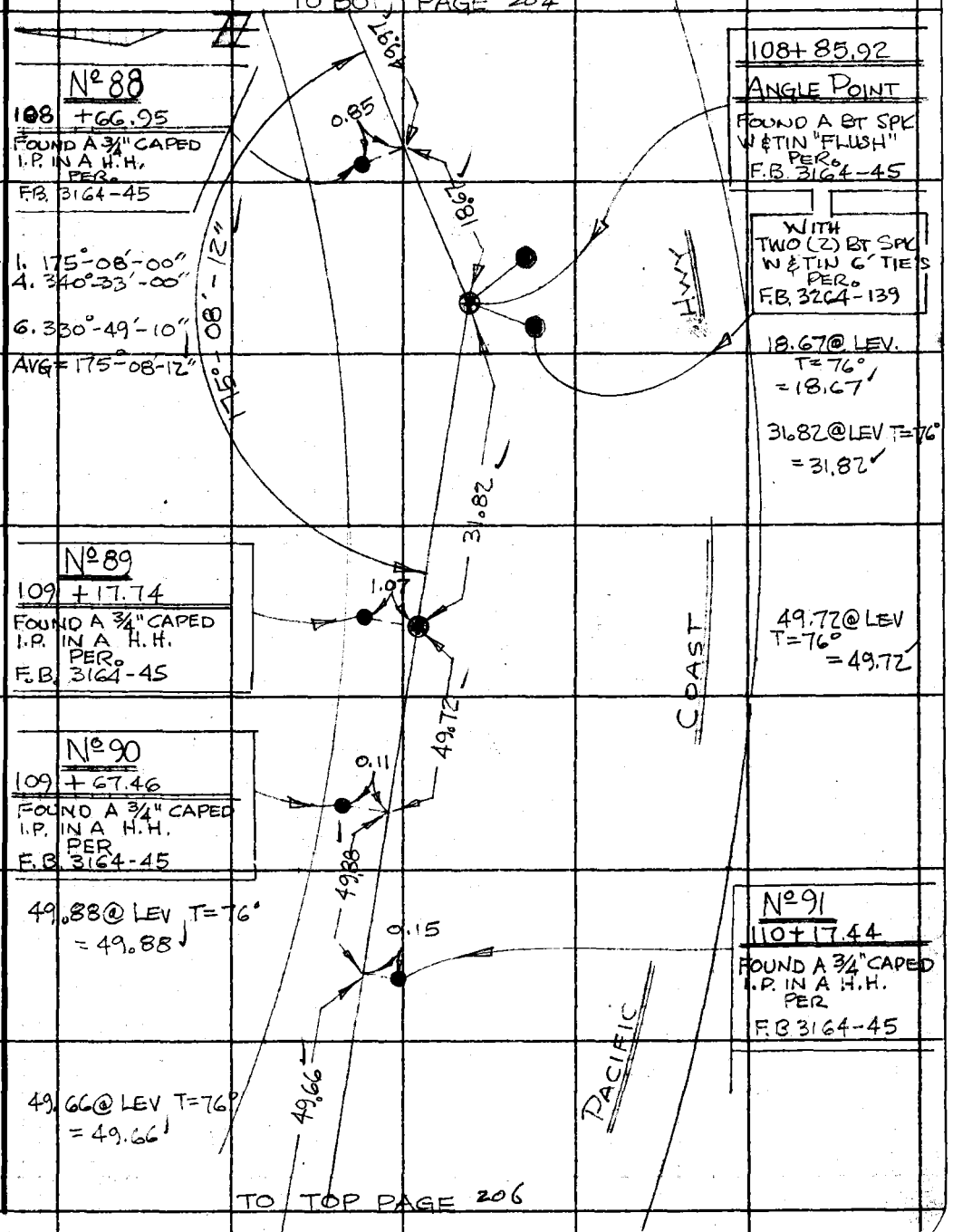
Map No.	JN 5292.87 Tape 184 Std 84 °F	
Office Work	Surveyed by LIND	
Checked	Notes DOVER Date 8-1-66	
Date	Indexed C. J. GALLI	

TO BOT. PAGE 204



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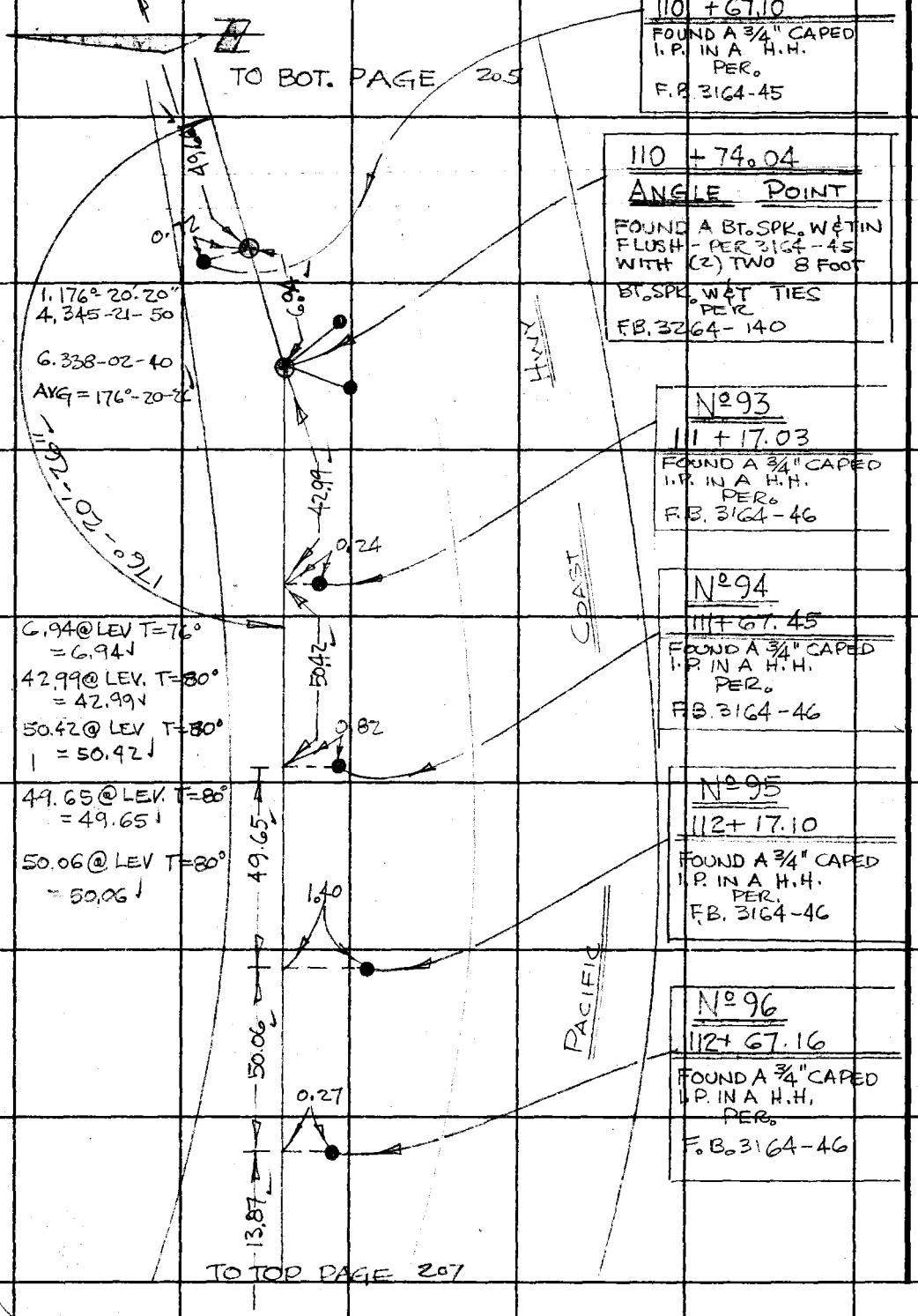
76F309S CE # 310 3-61

F. B. 3264 PG. 206



Nº92
110 +67.10
FOUND A 3/4" CAPED I.P. IN A H.H. PER. F.B. 3164-45

110 +74.04
ANGLE POINT
FOUND A BT. SPK. W&T IN FLUSH - PER 3164-45 WITH (2) TWO 8 FOOT BT. SPK. W&T TIES PER F.B. 3264-140

Nº93
111 +17.03
FOUND A 3/4" CAPED I.P. IN A H.H. PER. F.B. 3164-46

Nº94
111+67.45
FOUND A 3/4" CAPED I.P. IN A H.H. PER. F.B. 3164-46

Nº95
112+17.10
FOUND A 3/4" CAPED I.P. IN A H.H. PER. F.B. 3164-46

Nº96
112+67.16
FOUND A 3/4" CAPED I.P. IN A H.H. PER. F.B. 3164-46

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Notes Ck'd by M. OSHITA	Survey of W.W. DIST #29
Map No.	JN 529287 Tape 184 Std 84 °F
Office Work	Surveyed by LIND
Checked	Notes Dover Date 8-1-66
Date	Indexed C. J. GALLI

F. B. 3264 PG. 207

17

TO BOT PAGE 206

1. 178°-16'-20"
4. 358°-05'-20"
6. 349°-37'-30"
AVG = 178°-16'-15" ✓

EQUATION
112+81.03 BK
112+80.36 * AHD
ANGLE POINT
FOUND BT. SPK. W/ TIN "FLUSH" PER. F.B. 3164-46

FOUND BT. SPK. W/ TIN "FLUSH PER. PAGE-46

SOLSTICE CANYON
I-9-A
FOUND A STD. L.A. CO BRASS DISK SET IN CONC. (TRAVERSE STATION) STAMPED SOLSTICE CANYON I-9A 1950 RE 329 PER. F.B. 3164-46 (FLUSH)

FOUND A NAIL & TIN FLUSH PER. F.B. 3164-184

13.87 @ LEV T=80°
=13.87 ✓
34.75 @ LEV T=80°
=34.75 ✓
51.47 @ LEV T=80°
=51.47 ✓

FOUND A NAIL PER. F.B. 3164-184

EQUATION
115+99.99 BACK
117+00.00 AHD
P.O.T.
FOUND A BT. SPK. W/ T FLUSH

23342 @ LEV T=80
=233.41 ✓
99.87 @ LEV T=80
=99.87 ✓
50.47 @ LEV T=80°
=50.47 ✓

Nº 97
113 +15.11
FOUND A 3/4" CAPED I.P. IN A H.H. PER. F.B. 3164-46

Nº 98
113 +66.58
FOUND A 3/4" CAPED I.P. IN A H.H. PER. F.B. 3164-46

Nº 99
117 +03.01
FOUND A 3/4" CAPED I.P. IN A H.H. PER. F.B. 3164-46

Nº 100 "OUT"

Nº 101
118 +02.88
FOUND A 3/4" CAPED I.P. IN A H.H. PER F.B. 3164-47

Nº 102
118 +53.35
SAME DESC. AS ABOVE

138.87 ✓
4.00
29.00
29.00
L
34.75 ✓
0.47
51.47 ✓
0.80
4.00
233.41 ✓
0.37
3.01
99.87 ✓
0.29
50.47 ✓
0.21
41.60 ✓
16'-15" ✓
178°
33' OFFSET LINE
℄ LINE
29' OFFSET LINE
29' OFFSET LINE

HWY
COAST
PACIFIC

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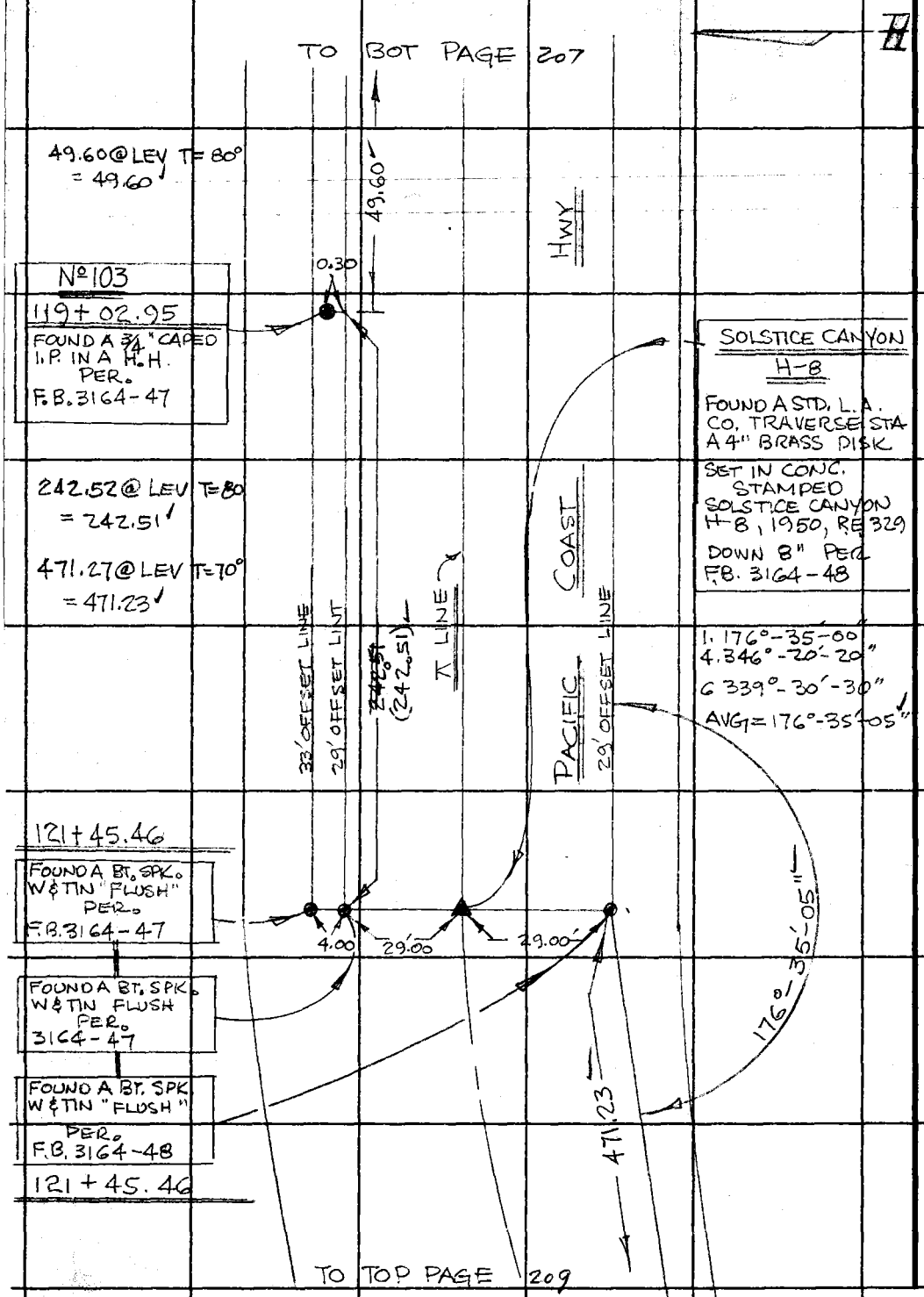
76F309S CE # 310 3-61

TO TOP PAGE 208

F. B. 3264 PG. 208

TO BOT PAGE 207



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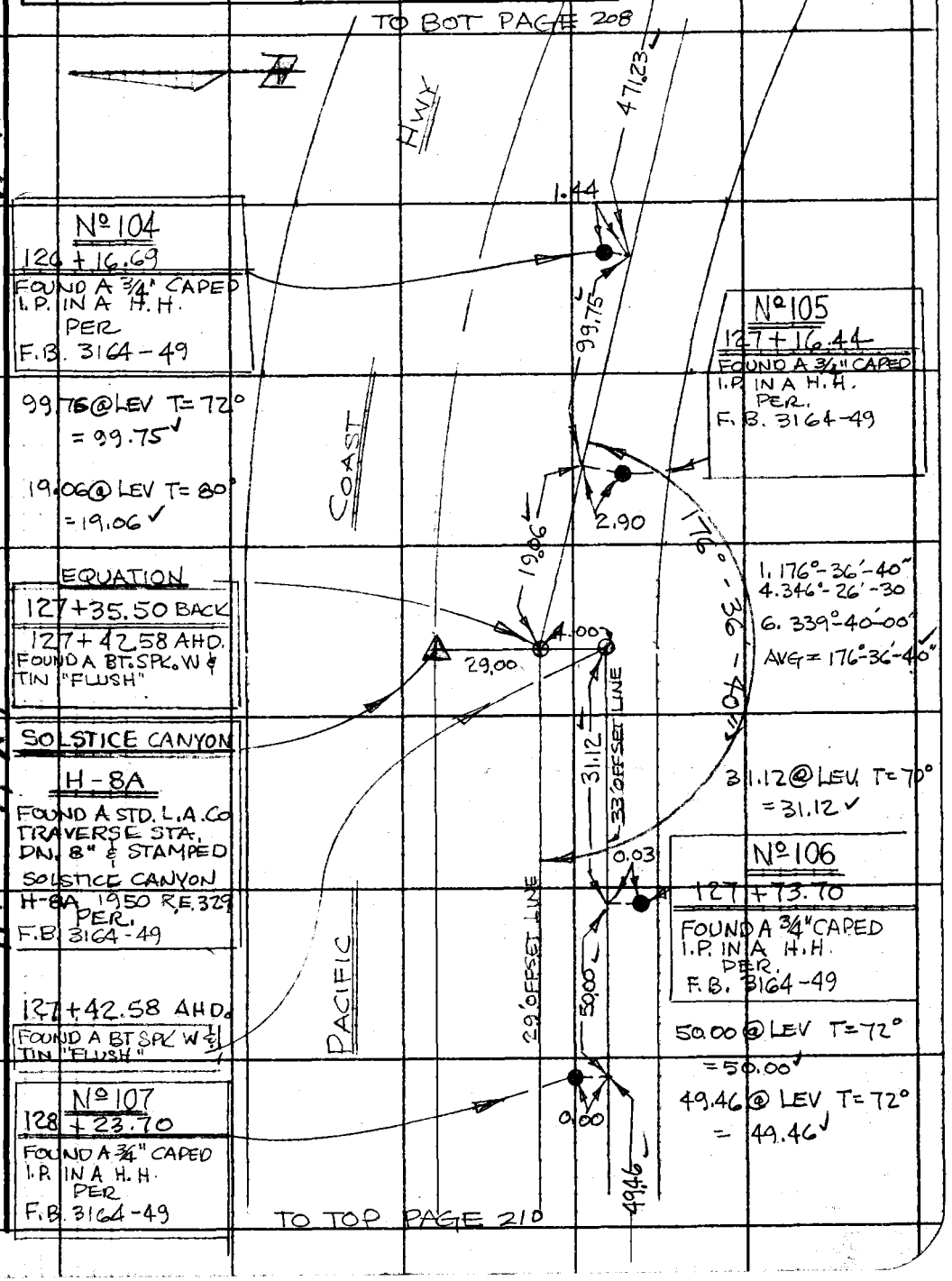
Notes Ck'd by M. OSHITA	Survey of W.W. DIST #29	F. B. 3264 PG. 209
Map No.	JN 529287 Tape 184 Std 84 °F	
Office Work	Surveyed by LIND	
Checked	Notes DOVER Date 8-2-66	
Date	Indexed C. J. GALLI	



Nº 104
126 + 16.69
FOUND A 3/4" CAPED I.P. IN A H.H. PER F.B. 3164-49

99.76 @ LEV T = 72° = 99.75 ✓

19.06 @ LEV T = 80° = 19.06 ✓

EQUATION
127 + 35.50 BACK
127 + 42.58 AHD.
FOUND A BT. SPK. W & TIN "FLUSH"

SOLSTICE CANYON
H-8A
FOUND A STD. L.A. CO TRAVERSE STA. DN. 8" & STAMPED SOLSTICE CANYON H-8A 1950 R.E. 329 PER. F.B. 3164-49

127 + 42.58 AHD.
FOUND A BT SPK W & TIN "FLUSH"

Nº 107
128 + 23.70
FOUND A 3/4" CAPED I.P. IN A H.H. PER F.B. 3164-49

Nº 105
127 + 16.44
FOUND A 3/4" CAPED I.P. IN A H.H. PER. F.B. 3164-49

1. 176°-36'-40"
4. 346°-26'-30
6. 339°-40'-00"
AVG = 176°-36'-40" ✓

31.12 @ LEV. T = 70° = 31.12 ✓

Nº 106
127 + 73.70
FOUND A 3/4" CAPED I.P. IN A H.H. PER. F.B. 3164-49

50.00 @ LEV T = 72° = 50.00 ✓

49.46 @ LEV T = 72° = 49.46 ✓

WS 91 A-3

114-857, A-1

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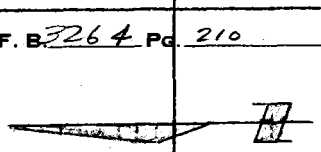
76F309S CE # 310 3-61

F. B. 3264 Pg. 210

TO BOT PAGE 209



29' 33'

49.46

0.23

Nº 108
128 + 73.16
FOUND A 3/4" CAPED I.P. IN A H.H. PER F.B. 3164-49

49.60 @ LEV T=72°
= 49.60 ✓

49.60

HWY

0.26

Nº 109
129 + 22.76
FOUND A 3/4" CAPED I.P. IN A H.H. PER. F.B. 3164-49

50.31 @ LEV T=72°
= 50.31 ✓

50.31

Nº 110
129 + 73.07
FOUND A 3/4" CAPED I.P. IN A H.H. PER F.B. 3164-49

0.08

~~50.87 @ LEV T=72°~~
= ~~50.87~~ ✓
50.78 @ LEV. T=72°
= 50.78 ✓ 24 R 10-27-66

50.78

COAST

℄ LINE

Nº 111
130 + 23.85
FOUND A 3/4" CAPED I.P. IN A H.H. PER F.B 3164-49

0.12

PACIFIC

49.40

49.40 @ LEV T=72°
= 49.40 ✓

OFFSET LINE ℄ LINE

Nº 112
130 + 73.25
FOUND A 3/4" CAPED I.P. IN A H.H. PER 3164-49

50.03 @ LEV T=74°
= 50.03 ✓

50.03

29' 33' OFFSET

TO TOP PAGE 211

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Notes Ck'd by M. OSHITA	Survey of W.W. DIST # 29
Map No.	JN 5292.87 Tape 184 Std 84 °F
Office Work	Surveyed by LIND
Checked	Notes DOVER Date 8-2-66
Date	Indexed C. J. GALLI

F. B. 3264 PG. 211

TO BOT PAGE 210

50.03

0.20

Nº113
131 + 23.28
FOUND A 3/4" CAPED I.P. IN A H.H. PER.
F.B. 3164-50

49.86 @ LEV
T= 74°
= 49.86

49.86

0.13

Nº114
131 + 73.14
FOUND A 3/4" CAPED I.P. IN A H.H. PER.
F.B. 3164-50

29' OFFSET LINE

49.44

HWY

49.44 @ LEV.
T= 74°
= 49.44

COAST

℄-LINE

0.27

Nº115
132 + 22.58
FOUND A 3/4" CAPED I.P. IN A H.H. PER
F.B. 3164-50

1.90 @ LEV T=74°
= 1.90

1.90

132 + 24.48
R.O.T
FOUND (2) TWO BT. SPK. W & TIN'S "FLUSH" PER
F.B. 3164-50

SOLSTICE CANYON

H-8B

FOUND A STD. L.A CO. TRAVERSE STA. MONUMENT DN-8" "STAMPED"
SOLSTICE CANYON H-8B 1950 R.E. 329 PER
F.B. 3164-50

4.00

29.00'

PACIFIC

48.89

0.25

Nº116
132 + 73.37
FOUND A 3/4" CAPED I.P. IN A H.H. PER.
F.B. 3164-50

48.89 @ LEV.
T= 74°
= 48.89

49.69

33' OFFSET LINE

TO TOP PAGE 212

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76F3085 CE # 310 3-61

F. B 3264 Pg 2/2

TO BOT PAGE 211

49.69 @ LEV T=76°
= 49.69 ✓

50.24 @ LEV T=76°
= 50.24 ✓

49.73 @ LEV T=76°
= 49.73 ✓

49.73 @ LEV T=76°
= 49.73 ✓

49.80 @ LEV T=76°
= 49.80 ✓

50.31 @ LEV T=76°
= 50.31 ✓

TO TOP PAGE 213

HWY

COAST

PACIFIC

℄ LINE

29' OFFSET LINE

33' OFFSET LINE

49.69

0.20

Nº 117
133 + 23.06
FOUND A 3/4" CAPED I.P. IN A H.H. PER F.B. 3164-50

50.24

Nº 118
133 + 73.30
FOUND A 3/4" CAPED I.P. IN A H.H. PER F.B. 3164-51

49.73

0.25

Nº 119
134 + 23.03
FOUND A 3/4" CAPED I.P. IN A H.H. PER F.B. 3164-51
NOTE: PIPE IS TOUCHING SOUTH EDGE OF WELL

49.73

0.58

Nº 120
134 + 72.76
FOUND A 3/4" CAPED I.P. IN A H.H. PER F.B. 3164-51
NOTE: PIPE IS TOUCHING SOUTH EDGE OF WELL

49.80

0.45

Nº 121
135 + 22.56
FOUND A 3/4" CAPED I.P. IN A H.H. PER F.B. 3164-51

50.31

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Checked
Date

Survey of W W DIST # 29
JN 5292 87 Tape 184 Std 84 °F
Surveyed by LIND
Notes DOVER Date 8-3-66
Indexed C. J. GALLI

F. B. 3264 PG. 213

TO BOT PAGE 212

50.32@ LEV T= 76°
= 50.32

49.54@ LEV T= 76°
= 49.54

53.24@ LEV T= 76°
= 53.24

46.56@ LEV T=76°
= 46.56

HWY

COAST ℄ LINE

PACIFIC

29' OFFSET LINE

33' OFFSET LINE

50.31 0.45

50.32

50.32 0.50

49.54 0.63

53.24 0.88

46.56 0.94

53.73

Nº122
135+72.67
FOUND A 3/4" CAPED I.P. IN A H.H. PER F.B. 3164-51

Nº123
136+23.19
FOUND A 3/4" CAPED I.P. IN A. H.H. PER F.B. 3164-51

Nº124
136+72.73
FOUND A 3/4" CAPED I.P. IN A H.H. PER F.B. 3164-51

Nº125
137+25.97
FOUND A 3/4" CAPED I.P. IN A H.H. PER. F.B 3164-52

Nº126
137+72.53
FOUND A 3/4" CAPED I.P. IN A H.H. PER F.B. 3164-52

TO TOP PAGE 214

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76F3095 CE # 310 2-61

F. B. 3264 Pg. 214

TO BOT PAGE 213

1. 176°-12'-40"
4. 344-52'-00"

6. 337"-17'-40"

AVG = 176°-12'-57" ✓

ANGLE POINT
138 + 37.44
FOUND A BT. SPK. W & TIN "FLUSH"
PER. F.B. 3164-52

FOUND A BT. SPK W&T FLUSH (HIGHWAY E.C. STATE) PER 3164-52

HWY
℄ - LINE

29' OFFSET LINE

53.73

38' OFFSET LINE

53.73 @ LEV T=76°
= 53.73 ✓

Nº 127
138 + 26.26
FOUND A ¾" CAPED I.P. IN A H.H.
PER. F.B. 3164-52

0.81

11.18

176° - 12' - 57"

38

29.00

4.00

BT. SPK & TIE

COAST

38.87 @ LEV T=76°
= 38.87 ✓

49.42 @ LEV. T=76°
= 49.42 ✓

38.87

50.28 @ LEY = T 76°
= 50.28 ✓

Nº 128
138 + 76.31
FOUND A ¾" CAPED I.P. IN A H.H. PER. F.B. 3164-52

2.43

49.42

SEE #129 (PAGE OPP.) FOUND A ¾" CAPED I.P. IN A H.H. PER. F.B. 3164-52

PACIFIC

0.30

Nº 129
139 + 25.73

50.28

TO TOP PAGE 215

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Map No.
Office Work
Checked
Date

Survey of W.W. DIST #29
JN 5292.87 Tape 184 Std 84 °F
Surveyed by LIND
Notes DOVER Date 8-3-66
Indexed C. J. GALLI

F. B. 3264 PG. 215

TO BOT PAGE 214

Nº130
139 + 75.95
FOUND A 3/4" CAPED I.P. IN A H.H. PER F.B. 3164-52

Nº131
140 + 25.73
FOUND A 3/4" CAPED I.P. IN A H.H. PER F.B. 3164-52

Nº132
140 + 75.90
FOUND A 3/4 CAPED I.P. IN A H.H. PER
F.B. 3164-52

ANGLE POINT
141 + 45.85
FOUND A BT. SPK. W/ TIN "FLUSH" PER.
F.B. 3164-

Nº133
141 + 25.71
FOUND A 3/4" CAPED I.P. IN A H.H. PER.
F.B. 3164-53

Nº134
141 + 75.72
FOUND A 3/4" CAPED I.P. IN A H.H. PER.
F.B. 3164-53

HWY

COAST

PACIFIC

50.28
0.06
1.07
49.72
1.41
50.17
1.17
49.81
0.53
20.14
29.87
0.60
55.64

176°

49.72 @ LEV T=76°
= 49.72 ✓
50.17 @ LEV T=76°
= 50.17 ✓
49.81 @ LEV T=76°
= 49.81 ✓

20.14 @ LEV T=76°
= 20.14 ✓

1. 176°-16'-10
4. 345°-04'-00
6. 337°-35'-30
AVG = 176°-15'-55" ✓

29.87 @ LEV T=78°
= 29.87 ✓
49.53 @ 78° T=78
= 49.53 ✓

TO TOP PAGE 216

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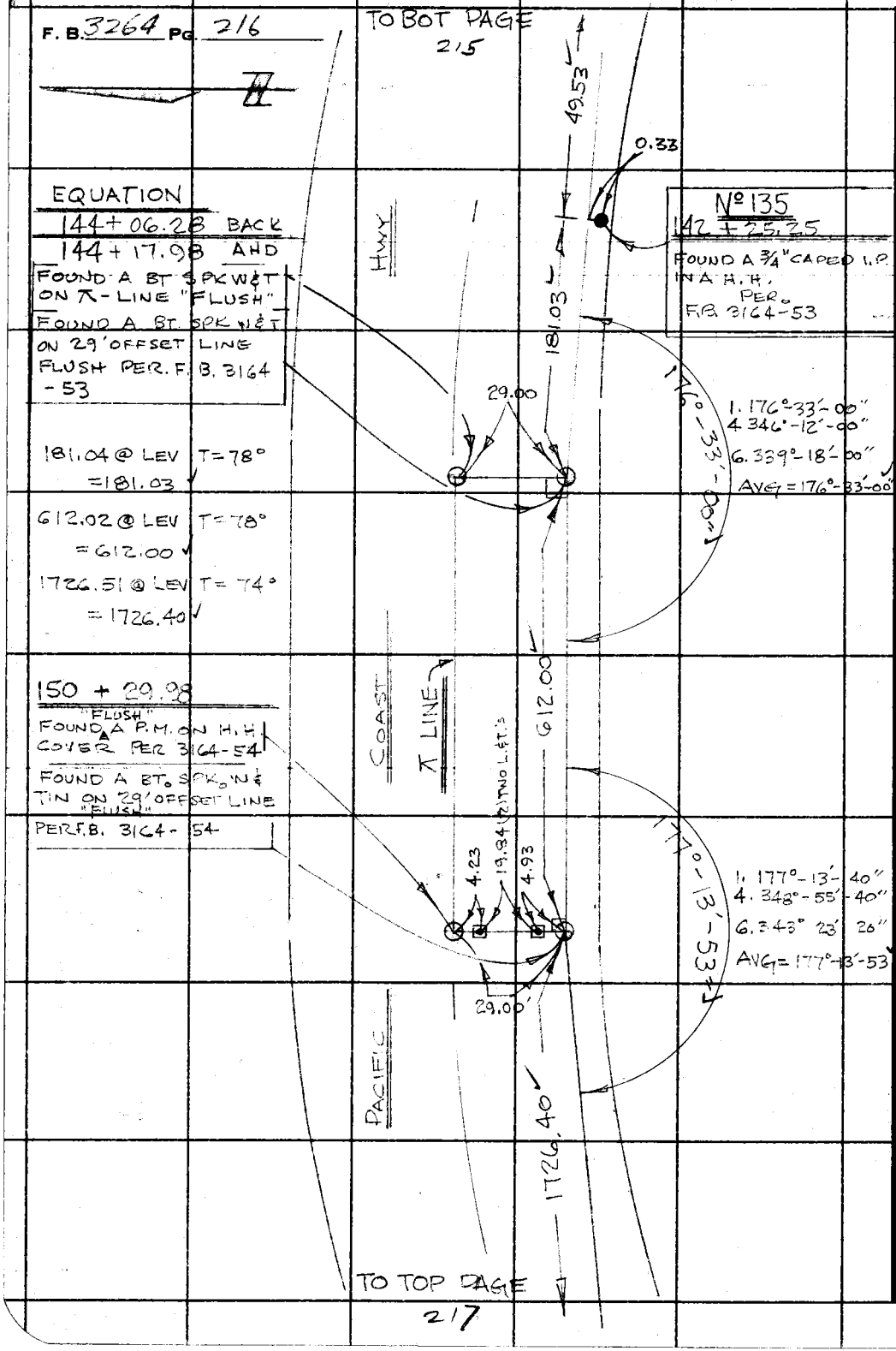

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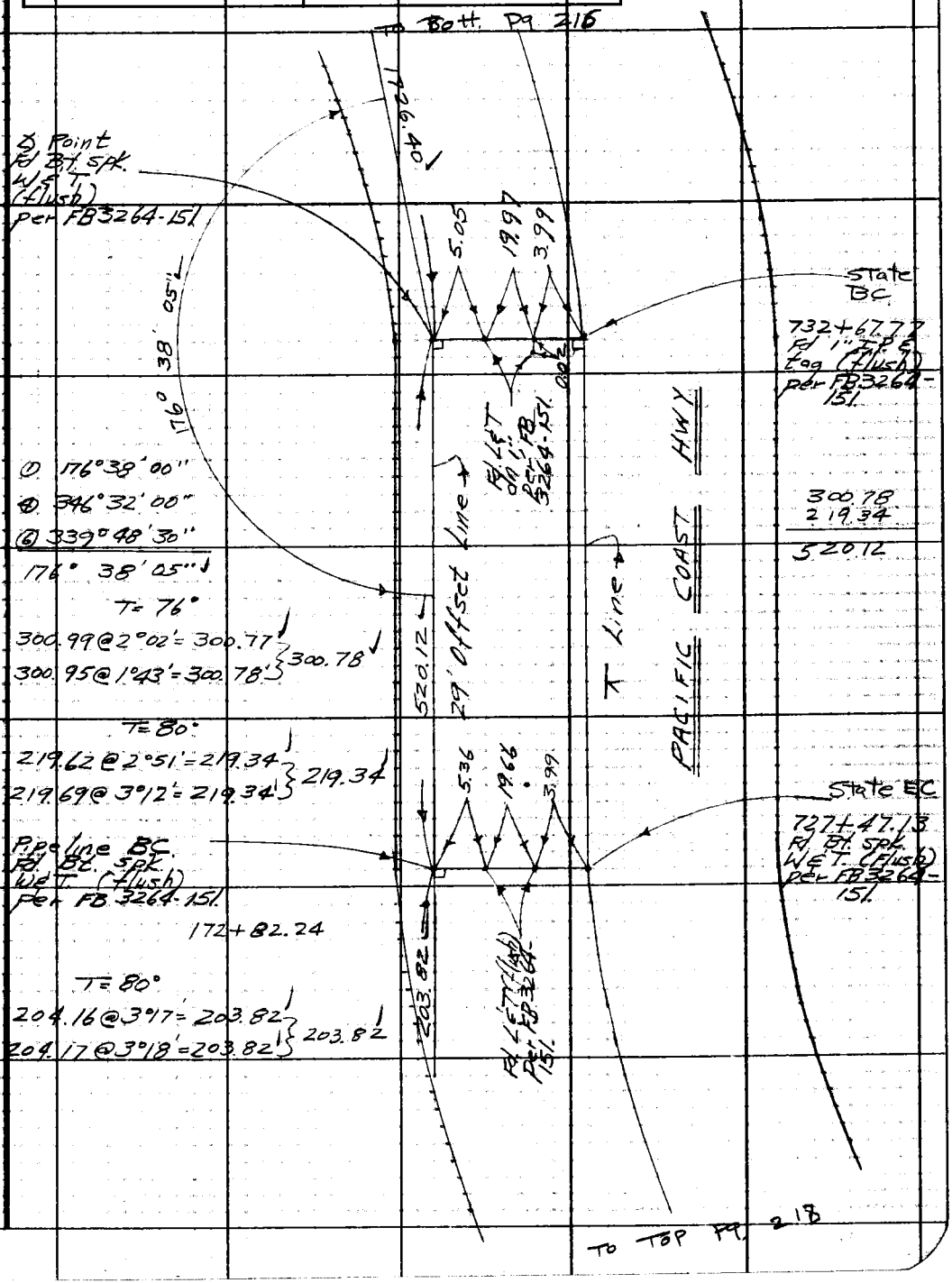
Notes Ck'd by M. OSHITA	Survey of W W Dist #29	F. B. 3264 PG. 217
Map No.	JN 5292.87 Tape 122 Std 84 °F	
Office Work	Surveyed by W J Voge	
Checked	Notes Voge Date 8-2-66	
Date	Indexed C. J. GALLI	



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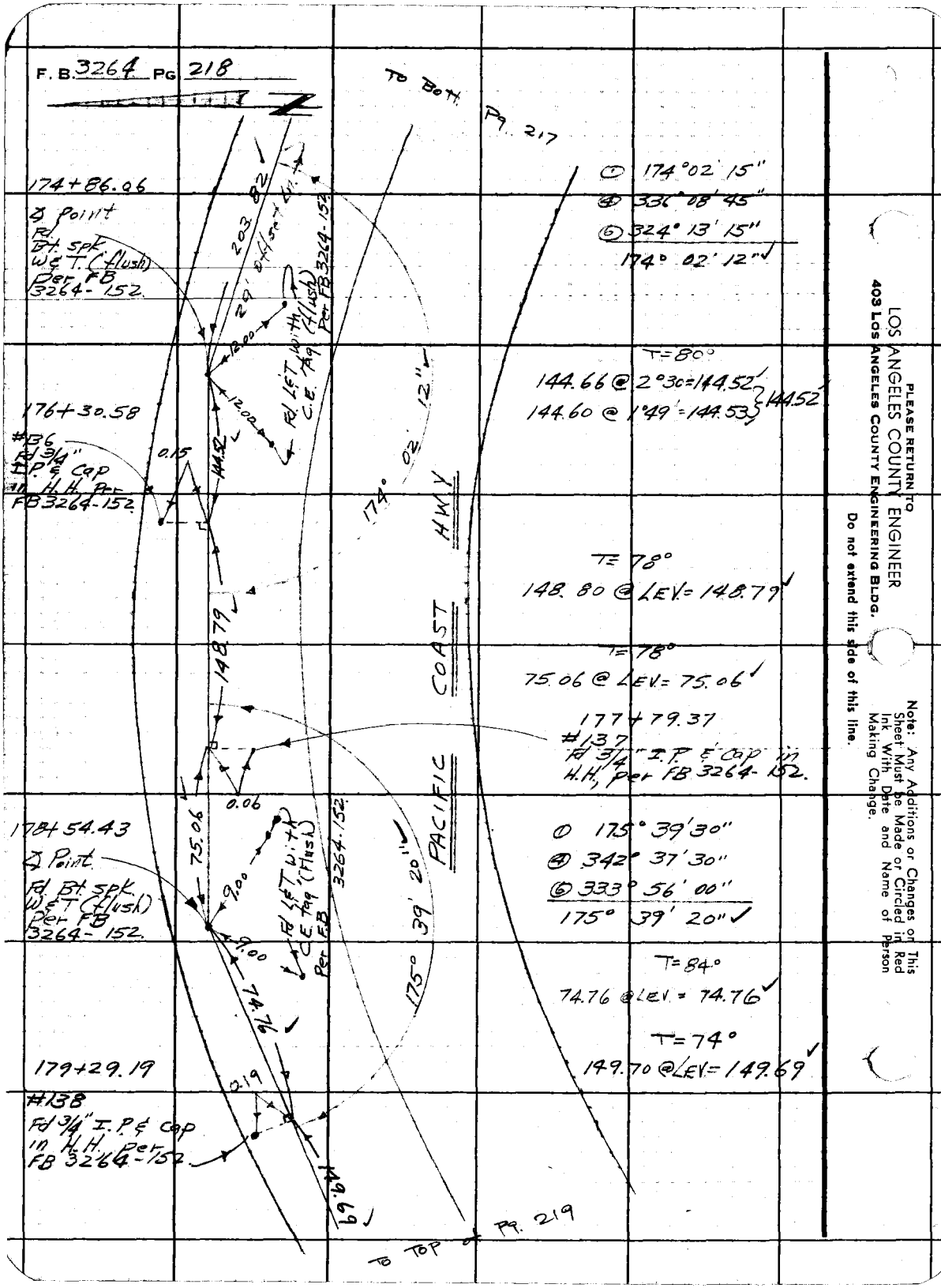
76F309S CE#310 1-65

F. B. 3264 PG 218



① 174°02' 15"
② 336° 08' 45"
③ 324° 13' 15"
174° 02' 12" ✓

T = 80°
144.66 @ 2°30 = 144.52 ✓
144.60 @ 1°49 = 144.53 ✓ 144.52 ✓

T = 78°
148.80 @ LEV. = 148.79 ✓

T = 78°
75.06 @ LEV. = 75.06 ✓

① 175° 39' 30"
② 342° 37' 30"
③ 333° 56' 00"
175° 39' 20" ✓

T = 84°
74.76 @ LEV. = 74.76 ✓

T = 74°
149.70 @ LEV. = 149.69 ✓

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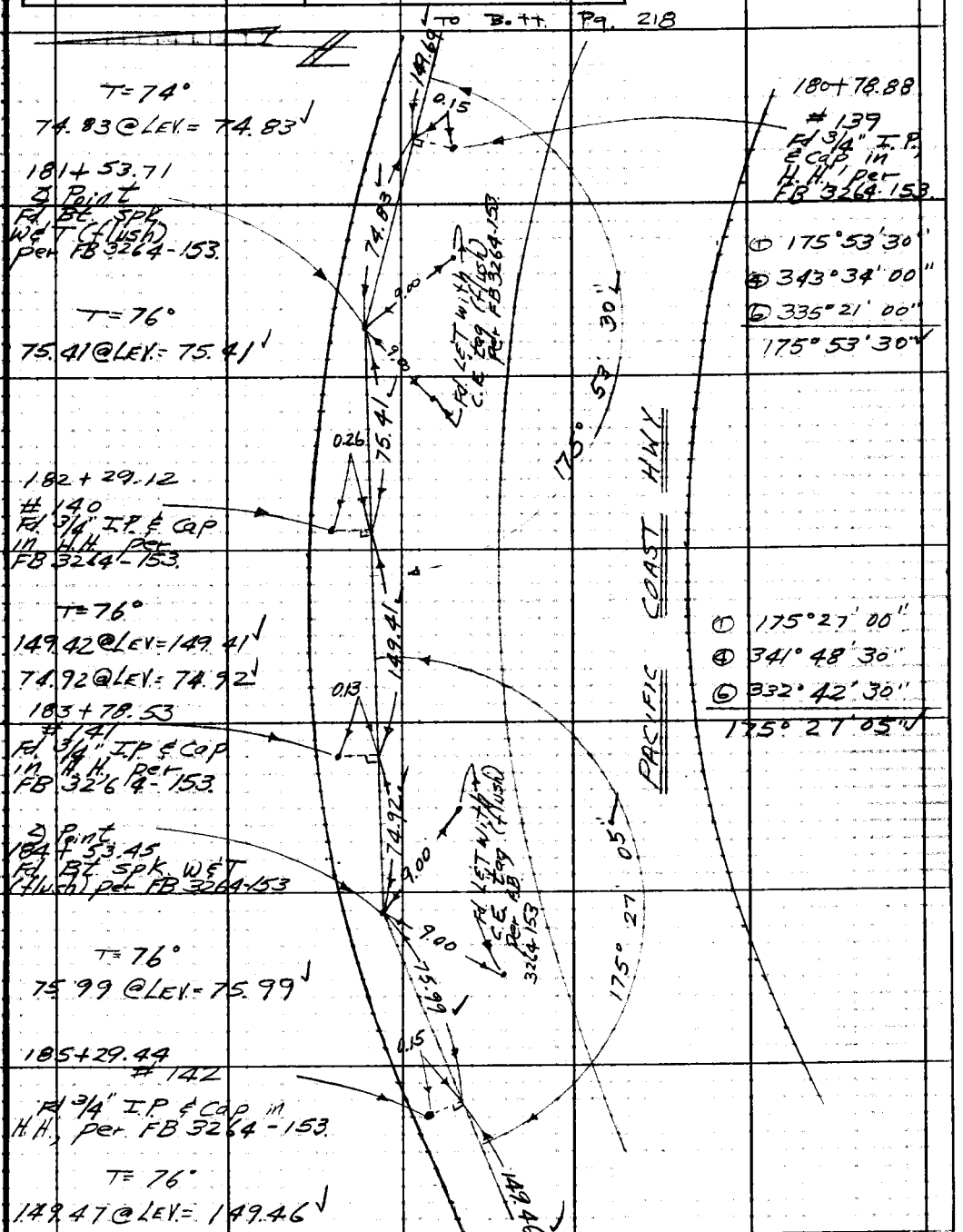
Notes Ck'd by M. OSHITA	Survey of H.W. Dist #29
Map No.	JN 5292.87 Tape 122 Std 84 °F
Office Work	Surveyed by W J Voge
Checked	Notes Voge Date 8-2-66
Date	Indexed C. J. GALLI

F. B. 3264 PG. 219



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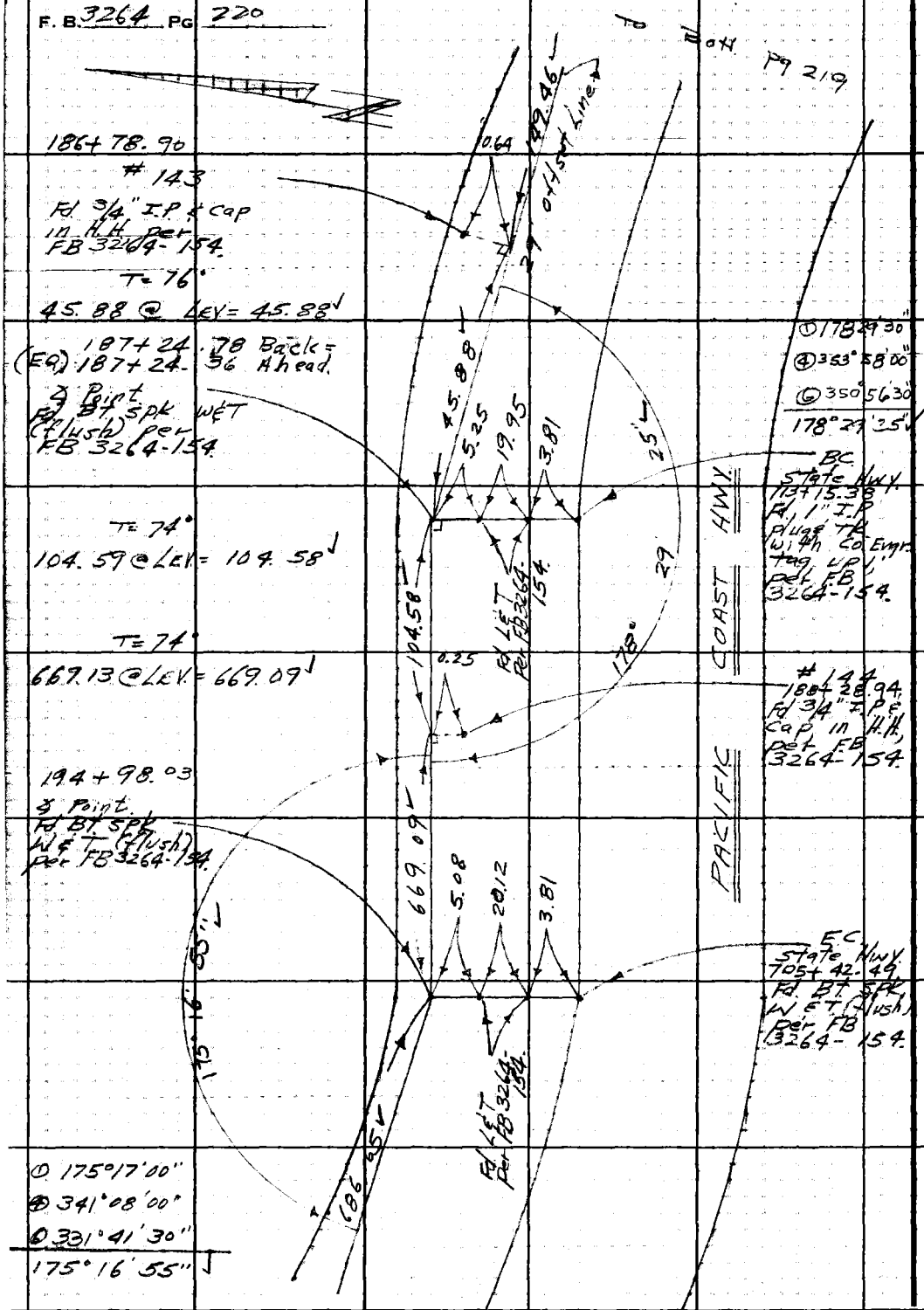
76F309S CE#310 1-65

F. B. 3264 PG 220



To Top Pg 221

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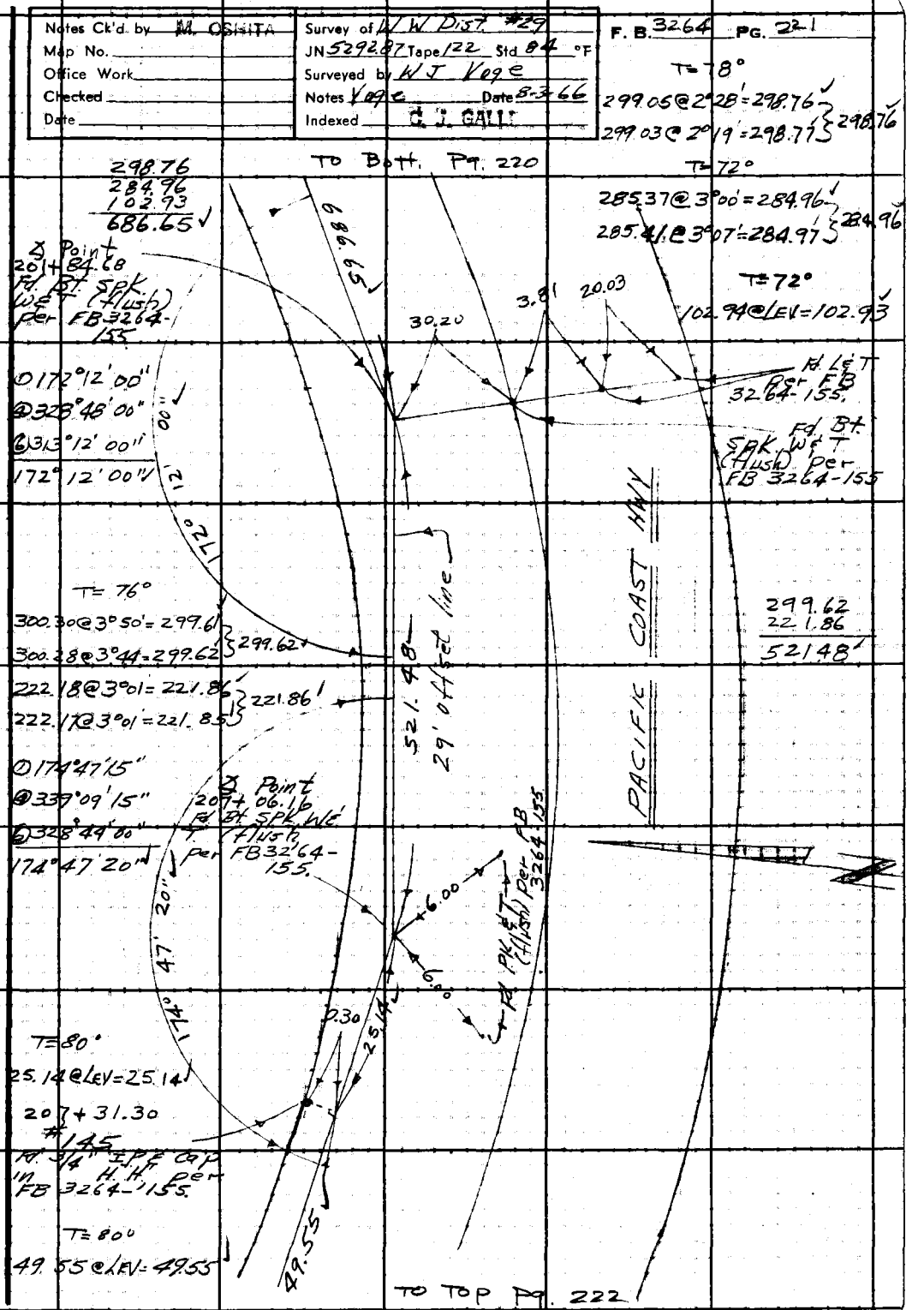
Notes Ck'd by M. OSHITA	Survey of W W Dist #29
Map No.	JN 5292.87 Tape 122 Std 84 °F
Office Work	Surveyed by W J Voge
Checked	Notes Voge Date 8-3-66
Date	Indexed C. J. GALLI

F. B. 3264 PG. 221



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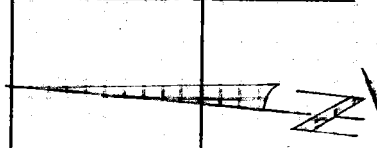
76F309S CE #310 6-63

F. B. 3264 PG. 222

To Bott. Pg. 221



T = 80°
49.50 @ LEV = 49.50 ✓

T = 80°
50.11 @ LEV = 50.11 ✓

208+80.46
#148
Fd 3/4" IP & Cap in H.H. per FB 3264-156.

T = 80°
24.94 @ LEV = 24.94 ✓

Δ Point (209+05.40)
Fd. PK Spk w&T (Hush) per FB 3264-156.

Δ 177°33'00"
Δ 350°12'00"
Δ 345°18'00"
177°33'00" ✓

T = 80°
25.46 @ LEV = 25.46 ✓
49.50 @ LEV = 49.50 ✓
49.77 @ LEV = 49.77 ✓
49.52 @ LEV = 49.52 ✓
25.02 @ LEV = 25.02 ✓

49.55
0.33
49.50
0.68
0.15
50.11
24.94
6.00
6.00
Fd PK & T per FB 3264-156
177°33'00"
25.46
0.06
9.50
0.38
49.77
0.44
49.52
0.
Line
25.02
29' offset

PACIFIC COAST HWY.

207+80.85
#146
Fd 3/4" IP with cap in H.H. per FB 3264-156.

208+30.35
#147
Fd. 3/4" IP & Cap in H.H. per FB 3264-156.

209+30.86
#149
Fd 3/4" IP & Cap in H.H. per FB 3264-156.

(209+80.36)
#150
Fd 3/4" IP in H.H. per FB 3264-156.
NOTE: Cap Touches Pipe

(210+30.13)
#151
Fd 3/4" IP & Cap in H.H. per FB 3264-156.

210+79.65
#152
Fd 3/4" IP & Cap in H.H. per FB 3264-156.
NOTE: Pipe loose in Well.

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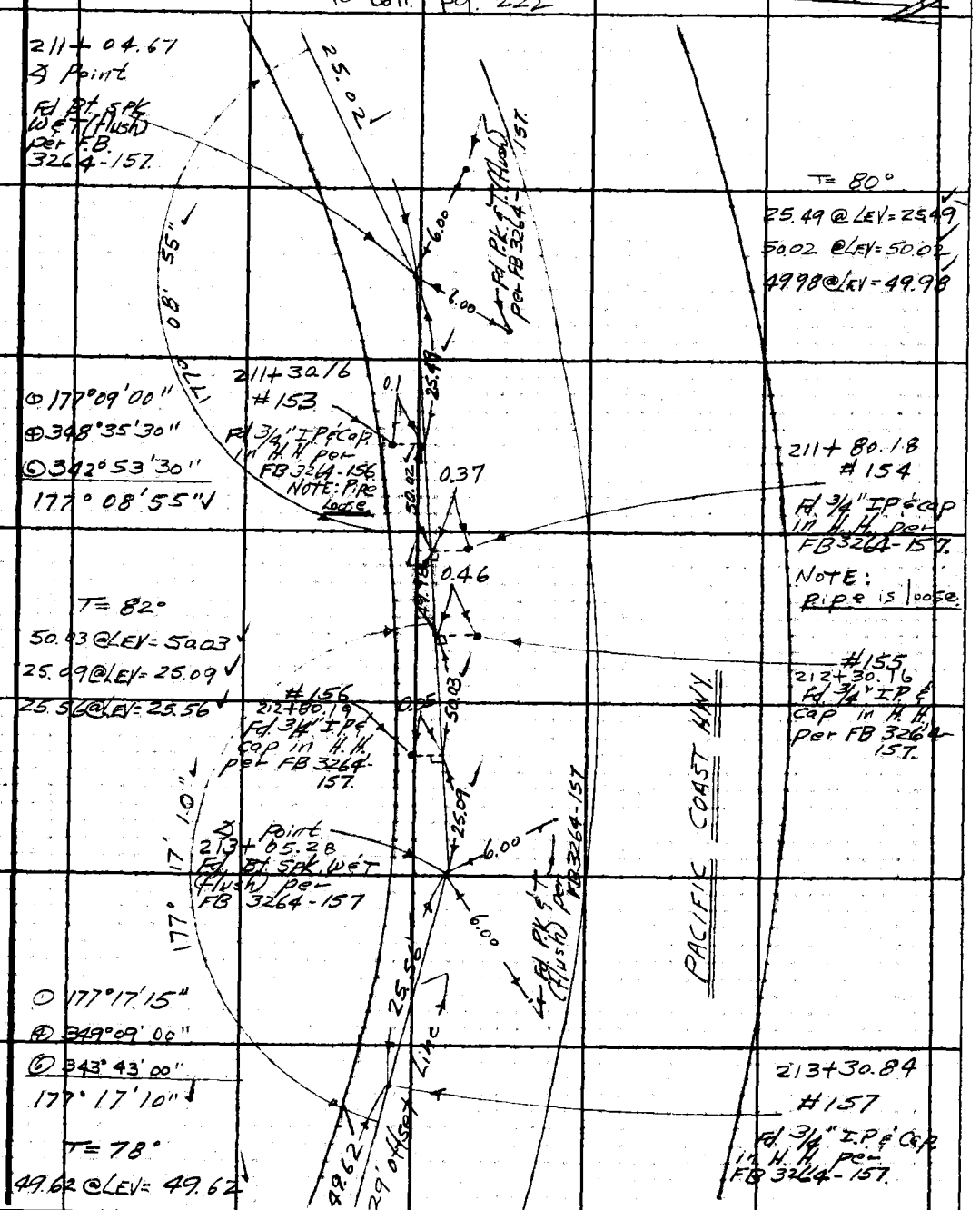
Notes Ck'd by M. OSHITA	Survey of N W Dist #29
Map No.	JN 5292.87 Tape 122 Std 84 °F
Office Work	Surveyed by W. J. Voge
Checked	Notes Voge Date 8-3-66
Date	Indexed C. J. GALLI

F. B. 3264 PG. 223

TO Bott. Pg. 222



TO TOP Pg 224

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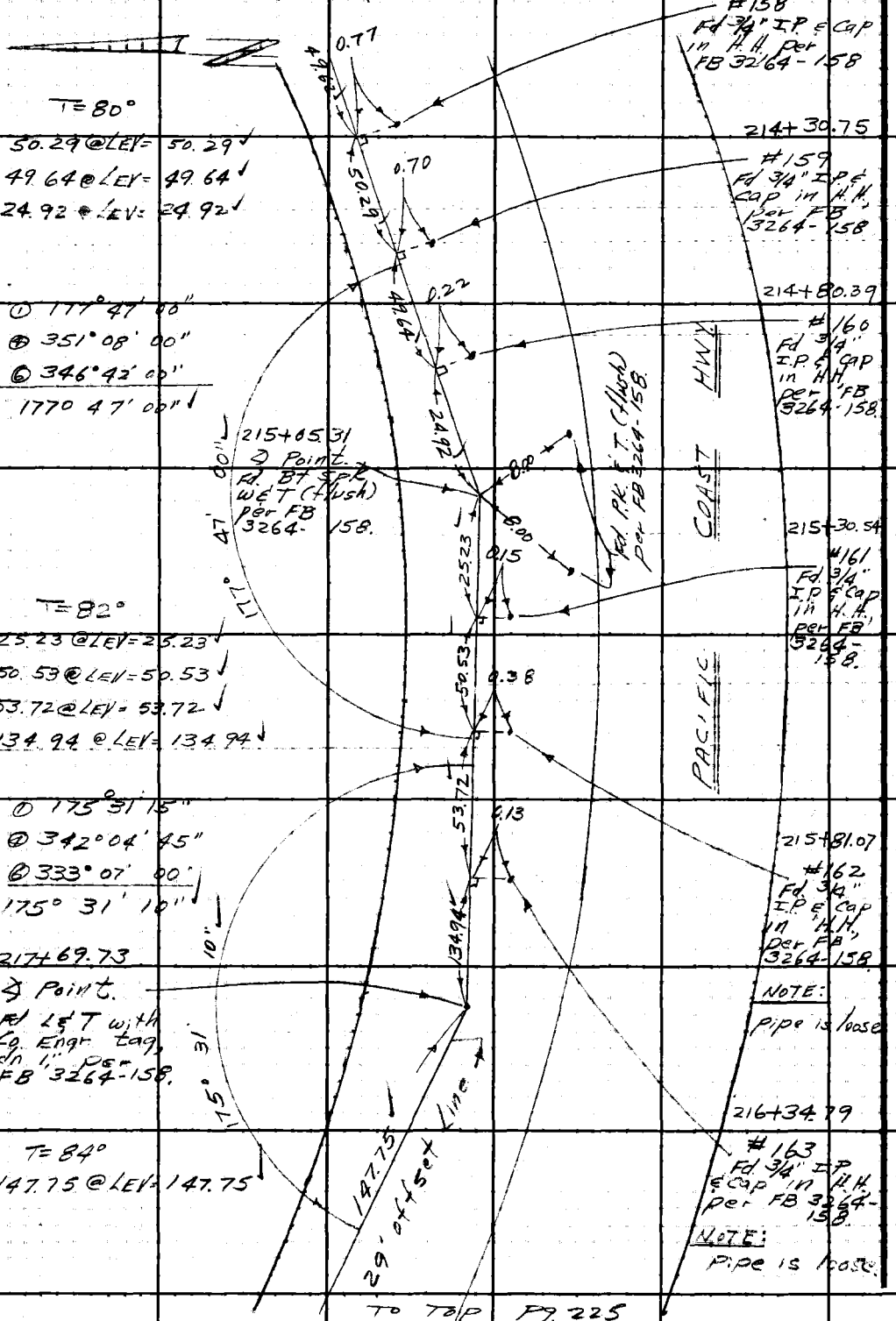
76F3098 CE #310 6-63

F. B 3264 Pg. 224

To Bott. Pg.



To Top Pg. 225

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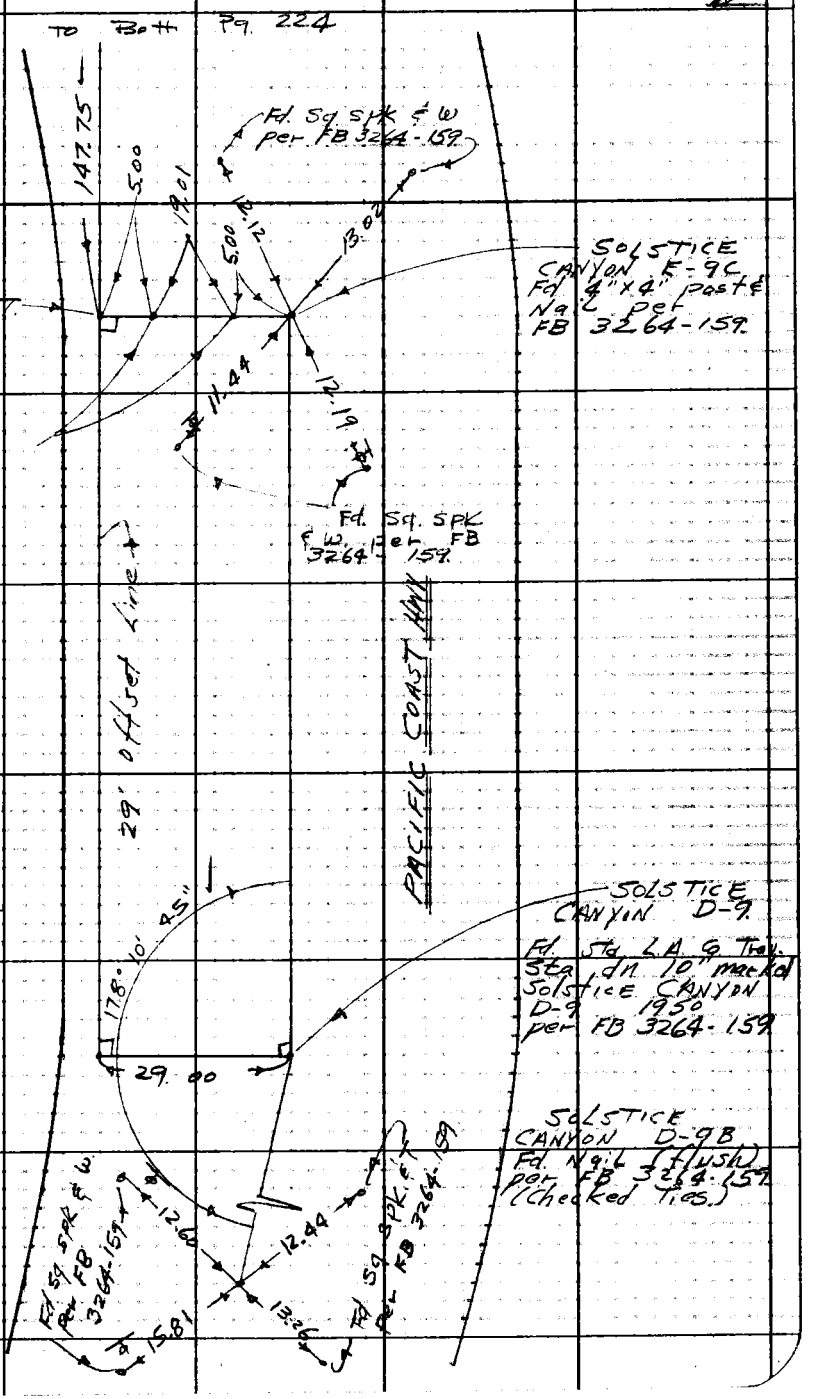
Notes Ck'd by M. OSHITA	Survey of W.W Dist #29	F. B. 3264 PG. 225
Map No.	JN 5292.87 Tape 122 Std 84 °F	
Office Work	Surveyed by W J Voge	
Checked	Notes Voge Date 8-4-66	
Date	Indexed C. J. GALLI	



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76F309S CE#310 1-65

F.B. 3264 PG. 227

Profile No. ____ Notes Red ____ Plotted ____ Job No. 52978 Division No. 11
Date ____ Date ____ Survey of W.W. DIST # 29
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by LIND Notes BARNETT Date 8-5-66
Date ____ Date ____ Map No. ____ Indexed C. J. GALL Date AUG 25 '66

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WATER WORKS DISTRICT Nº 29

J.N. 5292.87

PIPELINE MONUMENTS

PROFILE ON SURVEY MONUMENTS FOR CHECK ON VERTICAL MOVEMENT IN SLIDE AREA ON PACIFIC COAST HWY. ON PORTION OF THE MALIBU BRANCH FEEDER FROM PIPELINE PLUSS OF 7+68.79 W'LY ALONG PIPELINE TO 43+53.2

PRECISE LEVEL LINE Nº 48 1964 ADJUSTMENT

AUG. 5, 1966

STATION	B.S.	H.I.	F.S.	ELEV.
REFERENCE				
F.B. 3264 - 19-26				
- 117 -				

PARTY
DOVER
SWANN
BARNETT
DIETZ

7-61 298 CE 307 3-61

76-L298 CE 307 3-61

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F.B. 3264 PG. 228 | Job No 5292.87 | Division No. 11 | Notes Red | Plotted | Profile
Survey of W.W. DIST #29 | Date | No. | X-Sec.
Survey by LIND | Notes BARNETT | Notes Chkd. | Checked
Indexed | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.		
B.M. 48-81	4 433	19.669		15.236	B.M. 48-81 EL= 15.236 LAS FLORES B-9B	F.B. 1369-68
T.P.	5 071	20 560	4 180	15.489		
T.P.	4.904	20 944	4.520	16.040		
LAS FLORES B-8	4.820	21.509	4.255	16.689	LAS FLORES B-8	
T.P.	4.606	20.931	5.184	16 325		
T.P.	4.749	20 561	5.119	15.812		
T.P.	4.780	20 150	5191	15 370		
B.M. 48-82A	5.262	20.316	5096	15 054	B.M. 48-82A EL= 15.054	F.B. 1369-141
	5.052	20.507	4.861	15.455		
	7.838	24.127	4 218	16.289		
	9.630	32.832	0.925	23 202		
	11.151	43 414	0.569	32.263		
	9.880	52.812	0.482	42.932		
	8551	60.843	0.520	52.292		
B.M. 48-83	11.417	67.791	4.469	56.374	B.M. 48-83 EL= 56451 LOS FLORES A-8	F.B. 1369-70
	11.083	78 564	0.310	67.481		
	11.028	89.033	0 559	78.005		
	8.613	96.649	0 997	88.036		

76-L298 CE 307 3-61

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STATION	B. S.	H. I.	F. S.	ELEV.		
(CONT)		96.649				
B.M. 48-83A	11.239	102.307	5.581	91.068	B.M. 48-83A ELEV = 91.187 F.B. 1369-139 1964 ADJ.	
T.P.	11.219	112.823	0.703	101.604		
T.P.	11.141	123.574	0.390	112.433		
T.P.	11.757	134.592	0.739	122.835		
T.P.	11.778	146.121	0.249	134.343		
HAND HOLE #14			11.032	135.089		
#15			0.735	145.386		
T.P.	11.470	157.101	0.490	145.631		
HAND HOLE #16			1.172	155.929		
T.P.	11.778	168.525	0.354	156.747		
H.H. #17			2.142	166.383		
T.P.	7.541	175.196	0.870	167.655		
B.M. 48-84	9.645	181.370	3.471	171.725	B.M. 48-84 EL = 171.728 F.B. 1369-71 1964 ADJ. LAS FLORES A-8A	
H.H. #18			5.713	175.657		
T.P.	10.659	191.536	0.493	180.877		
H.H. #19			8.218	183.318		
#20			1.707	189.829		
T.P.	9.333	200.467	0.402	191.134		

Profile Notes Red Plotted Job No. 5292.87 Division No. 11
No. X-Sec. Date Date Survey of W.W. Dist # 29
No. Notes Chkd. Date Checked Date Survey by LIND Notes BARNETT Date 8-5-66
Map No. Indexed Date

F.B. 3264 Pg 29

76-L298 CE 307 3-61

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F.B. 3264 PG 230 Job No 5292.87 Division No. " Notes Red Plotted Profile
Survey of W.W. Dist #29 Date Date No. X-Sec.
Survey by LIND Notes BAGNETT Notes Chkd. Checked
Indexed Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.		
(Cont)		200.467				
HAND HOLE # 21			5.703	194.764		
" " # 22			2.208	198.259		
T. P.	6.348	205.172	1.643	198.824		
H. H. # 23			5.275	199.897		
T. P.	3.562	205.143	3.592	201.580		
H H. # 24			4.697	200.445		
B.M. 48-85A	7.097	204.876	7.363	197.779	B.M. 48-85A EL= 197.807 F.B. 1369-140	
H.H # 25			5.521	199.355		
T. P.	3.181	201.804	6.253	198.623		
H.H # 26			4.628	197.176		
B.M. 48-86	1.364	197.635	5.733	196.071	B.M. 48-86 EL= 196.032 F.B. 1369-73 SOLSTICE CANYON L-8A	
H.H. # 27			4.616	193.019		
T.P.	1.323	191.111	7.847	189.788		
H.H # 28			3.207	187.904		
# 29			8.781	182.330		
T. P. # 30	1.213	182.570	9.754	181.357		
			5.603	176.967		
BM. 48-87			7.331	175.239	B.M 48-87 EL= 175.196	F.B. 1369-74 1964 ADJ.

76-L 298 CE 307 3-61

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STATION	B. S.	H. I.	F. S.	ELEV.		
B.M. 48-87	2.344	177.540		175.196	B.M. 48-87 EL. = 175.196	
T.P.	1.659	168.737	10.462	167.078		
# 33			5.051	163.686		
# 34			6.242	162.495		
T.P	4.658	167.255	6.140	162.597		
# 35			5.042	162.213		
# 36			5.699	161.556		
#37			6.298	160.957		
T.P.	3.985	165.029	6.211	161.044		
# 38			5.007	160.022		
T.P.	0.401	157.769	7.661	157.368		
T.P.	1.082	148.481	10.370	147.399		
T.P.	3.219	142.089	9.611	138.870		
B.M. 48-88	5.330	142.834	4.585	137.504	B.M. 48-88 (K-8) EL = 137.493 F.B. 3264 - 123	
B.M. 48-89			2.966	139.868	B.M. 48-89 K-8A EL = 139.858 F.B. 3264 - 123	

Profile Notes Red____ Plotted____ Job No. 5242.87 Division No.____
No.____ Date____ Date____ Survey of W.W. Dist. #29
X-Sec. Notes Chkd.____ Checked____ Survey by LIND Notes W.B. Date 8-5-66
No.____ Date____ Date____ Map No.____ Indexed S.J. GALLI Date____

F.B. 3264 Pg. 231

Profile No. ____ X-Sec. No. ____

Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 5292.87 Division No. 11 Survey of W. W. Dist. #29 Survey by R. Dover Notes Revised Date 8/2/66 Notes Chkd. ____ Date ____ Checked ____ Date ____ Map No. ____ Indexed C. J. Gallo Date ____

F.B. 3264 PG. 233

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Water Works

District No 29

Jn. 5292.87

Pipe Line Monuments

Profile on Survey Monuments for check on Vertical Movement in Geological Hazards Study Area on Pacific Coast Hwy. on portion of Malibu Branch feeder from pipeline plus 73+70.58 W'ly along pipeline to 216+34.69

STATION	B.S.	H.I.	F.S.	ELEV.
		8-2-66 R. Dover R. Swann W. Barnett W. Dietz		Precise level datum 1967 Adjustment level circuit # 48

76-1 200 CE 307 3-61

76-L298 CE 307 3-61

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F.B. 3264 Pg 234 Job No. 5292.87 Division No. Dist #29
Survey of W.W. Notes Red Plotted Profile
Survey by B. Cover Notes Date Date No. X-Sec.
Indexed Notes Chkd. Date Checked Date No.

STATION	B. S.	H. I.	F. S.	ELEV.		
BM 48-89	6790	146654		139858	BM 48-89 EL = 139.858 SOLSTICE CYN. K-8A	F.B. 1369-75
			2590	144064	BK. SPK. @ F.C.	
T.P.	8190	153533	1311	145343		
T.P.	9395	161099	1829	151704		
T.P.	5830	165187	1742	159357		
BM 48-89A			5445	159742	BM 48-89A EL = 159.714	F.B. 1369-143
BM 48-89A	7420	169134		159714	BM 48-89A EL. = 159.714	
T.P.	7255	174691	1738	167436		
HH #39			3342	171349		
T.P.	7513	179873	2131	172506		
HH #40			5145	174728		
HH #41			4590	175183		
HH #42 T.P.	4990	180623	4240	175633		
BM 48-90	4530	180351	4822	175821	BM 48-90 EL. = 175.783	F.B. 1379-76
HH #43			5140	175211		
HH #44 T.P.	3231	176709	6853	173477		
HH #45			5471	171235		
HH #46			9571	167138		

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STATION	B. S.	H. I.	F. S.	ELEV.		
		176 709				
T.P.	2310	169 438	9581	167128		
H.H. #47			4854	164584		
BM 48-91	2283	162989	8732	160706	BM 48-91 EL=160.706	FB [illegible]
H.H. #48			9464	153525		
T.P.	0391	152460	[illegible]	152069		
H.H. #49			1400	151060		
H.H. #50			3933	148527		
H.H. #51			[illegible]	146312		
H.H. #52			8718	143[illegible]		
T.P.	1117	142908	10669	141791		
H.H. #53			1960	140948		
H.H. #54			4826	138082		
H.H. #55			8154	134.754		
BM 48-92	1623	135849	8682	134226	BM 48-92 EL=134.080	FB. 1369-78
					Solstice Cyn I-8	
H.H. #56			3973	131876		
H.H. #57			7108	128741		
H.H. #58			10214	125635		
T.P.	1499	125728	11620	124229		
H.H. #59			3096	122632		

Profile No. ____ Notes Red ____ Plotted ____ Job No. 5292.87 Division No. 4 Page 3264 Pg. 235
Date ____ Date ____ Survey of W. Dist #49
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by R. Dover Notes Sheet Date 8/2/66
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

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F. B. 3264 Pg. 236 | Job No. 5297.87 | Division No. 11 | Notes Red | Plotted | Profile
Survey of W.W. Dist. #29 | Date | Date | No.
Survey by R. Bauer Notes Bernard | Notes Chkd. | Checked | X-Sec.
Indexed | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.		
		125 728				
HH #60			6352	119376		
HH #61			9424	116304		
T.P.	0728	115258	11198	114530		
H.H. #62			2221	113037		
H.H. #63			5088	110170		
H.H. #64			8084	107174		
H.H. #65			10982	104276		
T.P.	1302	104930	11630	103628		
H.H. #66			3454	101472		
H.H. #67			6620	98.310		
H.H. #68			10905	94.025		
T.P.	0213	94139	11004	93926		
H.H. #69			2149	91990		
H.H. #70			4936	89203		
H.H #71			7670	86469		
H.H #72			10640	83499		
T.P.	1133	85329	9998	84141		
H.H. #73			4973	80356		
H.H. #74			8065	77264		
H.H. #75			11042	74287		

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STATION	B. S.	H. I.	F. S.	ELEV.		
		85 329				
T.P.	0836	74 450	11 715	73614		
H.H. #76			3289	71161		
H.H. #77			6924	68026		
H.H. #78			9165	65285		
T.P.	0899	63837	11512	62938		
H.H. #79			1867	61970		
H.H. #80			4727	59110		
H.H. #81			7735	56102		
H.H. #82			10913	52924		
T.P.	1055	53828	11064	52773		
H.H. #83			4004	49824		
H.H. #84			7107	46721		
H.H. #85			10188	43640		
T.P.	1890	44 156	11562	42266		
H.H. #86			3673	40483		
H.H. #87			6631	37525		
BM 48-93	2392	40 725	5823	38333	BM 48-93 EL = 38.327 F.B. 1369-79	
					Solstice Cyn	I-9
H.H. #88			6059	34666		
H.H. #89			9323	31402		

Profile Notes Red ____ Plotted ____ Job No. 5292.87 Division No. 11 F.B. 3264 Pg 237
No. ____ Date ____ Date ____ Survey of W.W. Dist. #29
X-Sec. Notes Chkd. ____ Checked ____ Survey by R. Dover Notes Barnett Date 8/3/66
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

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STATION	B.S.	H.I.	F.S.	ELEV.		
		40 725				
H.H. #90			11 891	28834		
T.P.	1508	30 654	11 579	29146		
H.H. #91			4524	26130		
H.H. #92			6319	24335		
H.H. #93			8275	22379		
H.H. #94			9880	20774		
H.H. #95			11 235	19419		
T.P.	3493	24 135	10 012	20642		
H.H. #96			5713	18422		
BM 48-94	3308	21 865	5578	18557	BM 48-94 EL = 18.558 F.B. 1369-79 Solstice Cyn I-9A	
H H #97			4583	17282		
H H #98			5495	16370		
BM 48-95	4322	21 136	5051	16814	BM 48-95 EL = 16.812 F.B. 1369-80	
BM 48-95	4181	20 988	4329	16807	BM 48-95A EL = 16.810 F.B. 1369-80	
H.H. #99			4745	16243		
H.H. #101			4790	16198		
H.H. #102			4750	16238		
H.H. #103			4721	16267		

F.B. 3264 PG 238

Job No. 5292.87 Division No. 11 Notes Red Plotted Profile

Survey of W.W. Dist. #99 Date Date No.

Survey by R. Dover Notes Barnett Notes Chkd. Checked X-Sec.

Indexed Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.		
		20988				
T. P.	5599	22067	4520	16468		
BM 48-96	8022	26579	3510	18557	BM 48-96 EL = 18.558 F.B. 1369-80	
					Solstice Cyn. H-8	
T. P.	8319	33868	1030	25549		
H.H. # 104			4090	29778		
H.H # 105			1558	32310		
T.P.	7470	40756	0582	33286		
BM 48-97	6552	40687	6621	34135	BM 48-97 EL = 34.134 F.B. 1369-81	
					Solstice Cyn. H-8A	
H.H. # 106			7130	33557		
H.H # 107			5765	34922		
H.H # 108			4767	35924		
H.H # 109			4088	36599		
H.H # 110			3295	37392		
T. P.	6201	44073	2810	37877		
H.H # 111			6344	37734		
H.H # 112			5940	38138		
H.H # 113			5423	38655		
H.H # 114			5225	38853		
H.H # 115			5470	38608		

Profile No. ____ Notes Red ____ Plotted ____ Job No. 5292.87 Division No. 11 F.B. 3264 Pg. 239
Date ____ Date ____ Survey of W.W. Dist. #29
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by R. Dover Notes Date 8/3/66
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

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F.B. 3264 Pg. 240 Job No. 5292.87 Division No. 11 Notes Red Plotted Profile
Survey of W.W. Dist #29 Date No. X-Sec.
Survey by R. Power Notes Farwell Date Notes Chkd. Checked
Indexed Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.		
		44978				
BM 48-98	3653	43000	4730	39348	BM48-98 EL. 39.354 FB 1369-81	
					Solstice Cyn. H-8B	
H.A. # 116			4490	38.510		
H.A. # 117			4842	38158		
H.H. # 118			5275	37725		
H.H. # 119			5605	37395		
H.H. # 120			6050	36950		
H.H. # 121			6698	36302		
T.P.	3522	40202	6320	36680		
H.H. # 122			4330	35872		
H.H. # 123			4965	35237		
H.H. # 124			5380	34822		
H.H. # 125			6046	34156		
H.H. # 126			6510	33692		
H.H. # 127			7000	33202		
T.P.	3303	36646	6859	33343		
H.H. # 128			4260	32386		
H.H. # 129			4610	32036		
H.H. # 130			5055	31591		
H.H. # 131			5611	31035		

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STATION	B. S.	H. I.	F. S.	ELEV.		
		36646				
H.A. # 132			6010	30636		
H.A. # 133			6767	29879		
BM 48-99A	4953	35549	6050	30596	BM 48-99A EL = 30.619 F.B. 1369-142 Solstice Cyn. G-9	
H.A. # 134			5900	29649		
H.A. # 135			6505	29044		
T.P.	5571	34750	6370	29179		
T.P.	5344	35713	4336	30364		
T.P.	5250	36352	4611	31102		
T.P.	5491	37413	4430	31922		
T.P.	6610	40161	3932	33481		
T.P.	8456	46721	1898	38263		
BM 48-100			0360	46361	BM 48-100 EL = 46.349 F.B. 1369-83 Solstice Cyn. G-9A	

Profile No. ____ Notes Red ____ Plotted ____ Job No. [illegible] Division No. ____ F.B. 3264 Pg. 241
X-Sec. No. ____ Date ____ Date ____ Survey of W.W. Dist. #29
Notes Chkd. ____ Checked ____ Survey by R. Dover Notes Birdwell Date 8/3/66
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F.B. 3264 PG 213

Profile No. ____ Notes Red ____ Plotted ____ Job No. 5292.87 Division No. ____
Date ____ Date 8-9-66 Survey of W. W. Dist. #29
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date ____
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

WATER WORKS DISTRICT #29

J.N. 5292.87

PROFILE ON PIPELINE MONUMENTS
FROM 172+82.24 TO 219+17.48

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

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

PLEASE RETURN TO
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403 Los Angeles County Engineering Bldg.

Do not extend notes this side of this line.

76-L 286 CE 307 3-61

76-L298 CE 307 3-61

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STATION	B. S.	H. I.	F. S.	ELEV.		
FD. BM 48-100	5350	51 699		46 349	BM 48-100 ELEV.= 46.349 FB.1369-83 (SOLSTICE CANYON G-9A)	
T.P.	9055	59 154	1600	50 099		
"	9670	67 872	0952	58 202		
"	10909	77 713	1068	66 804		
"	10 470	87 864	0319	77 394		
"	11 272	98 507	0629	87 235		
H.H. # 136			6288	92 219		
T.P.	11 202	109 067	0642	97 865		
H.H. # 137			9610	99 457		
H.H. # 138			2038	107 029		
T.P.	10 522	119 044	0545	108 522		
H.H. # 139			4425	114 619		
T.P.	10378	128 720	0702	118 342		
H.H. # 140			7291	121 429		
H.H. # 141			1540	127 180		
T.P.	9080	137 098	0702	128 018		
H.H. # 142			5548	131 550		
H.H. # 143			2135	134 963		
T.P.	6088	142 341	0845	136 253		
H.H. # 144			5302	137 039		

Profile No. X-Sec. No. Notes Red Date Notes Chkd. Date Plotted Date Checked Date Job No. 5292.87 Division No. 11 Survey of W.W. DIST. #29 Survey by VOGE Notes MOODY Date 8-4-66 Map No. Indexed C. T. GALL Date

F.B. 3264 Pg. 245

76-L298 CE 307 3-61

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STATION	B.S.	H.I.	F.S.	ELEV.		
		142 341				
TP	3344	141 217	4468	137 873		
BM48-102			6292	134 925	BM 48-102 ELEV.=134.964 FB.3264-172	
					SOLSTICE CANYON F-9A	
BM48-102	4245	139 209		134 964	BM 48-102 ELEV.=134.964 FB 3264-172	
					SOLSTICE CANYON F-9A	
T.P.	0261	130 728	8742	130 467		
"	0870	120 878	10 720	120 008	BM 48-103 ELEV.=120.005 FB 3264-172	
					SOLSTICE CANYON E-9	
"	0439	110 207	11110	109 768		
"	0811	99 473	11545	98 662		
"	0830	88 343	11960	87 513		
"	0700	78 060	10983	77 360	BM 48-104 ELEV.= FB 3264-172	
					SOLSTICE CANYON E-9A	
"	0560	67 760	10 860	67 200		
H.H. #145			2540	65 220		
H.H. #146			5408	62 352		
H.H. #147			8462	59 298		
H.H. #148			11 428	56 332		
T.P.	0980	56 968	11 772	55 988		
H.H. #149			3578	53 390		

F.B. 3264 Pg 246
Job No. 5292.87 Division No. 11 Notes Red Date Plotted Date Profile No.
Survey of W.W. DIST. #29 Notes Chkd. Date Checked Date X-Sec. No.
Survey by VOGE Notes MOODY Date
Indexed Date

76-L298 CE 307 3-61

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STATION	B. S.	H. I.	F. S.	ELEV.		
		56 968				
H.H.# 150			6 680	50 288		
H.H.# 151			9 695	47 273		
T.P.	1 145	46 818	11 295	45 673		
H.H.# 152			2 410	44 408		
H.H.# 153			5 650	41 168		
H.H.# 154			8 730	38 088		
T.P.	0 758	36 438	11 138	35 680		
H.H. # 155			1 510	34 928		
H.H.# 156			4 469	31 969		
H.H.# 157			7 474	28 964		
T.P.			7 251	29 187	BM 48-105 ELEV.=29.169 FB.3264-173 SOLSTICE CANYON E-9B	
FD. BM 48-105	1 036	30 205		29 169	BM 48-105 ELEV.=29.169 FB 3264-173 SOLSTICE CANYON E-9B	
H.H.# 158			4 120	26 085		
H.H.# 159			6 742	23 463		
H.H.# 160			9 124	21 081		
H.H.# 161			10 930	19 275		
T.P.	2 802	21 567	11 440	18 765		

Profile No. ____ Notes Red ____ Plotted ____ Job No. 5292.87 Division No. 11
Date ____ Date ____ Survey of W. W. DIST. #29
Notes Chkd. ____ Checked ____ Survey by VOGE Notes MOODY Date 8-4-66
Date ____ Date ____ Map No. ____ Indexed ____ GALL Date ____

F.B. 3264 PG 247

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F.B. 3264 Pg. 248 Job No. 5292.87 Division No. 11 Notes Red Plotted
Survey of W.W. DIST. #29 Date Date
Survey by VOGE Notes MOODY Notes Chkd. Checked
Indexed Date Date No.

STATION	B.S.	H.I.	F.S.	ELEV.		
		21567				
F.H.# 162			3540	18027		
H.H.# 163			4725	16842		
BM 48-106			4302	17265	BM 48-106 ELEV. 17.277 US. RESET 1307	FB. 3264-173