TO: Messrs. W. C. [illegible]
R. C. Murphy

FROM: Richard J. Mitchell

Subject

Date 3-25-77

No.

J.N. 0300.02

BEACH EROSION STUDIES
JOB NUMBER 0300.02
- Control Line Recovery

On completion of the present hydrographic survey in the Santa Monica Bay area, please direct one or more of your field parties to make a complete recovery and perpetuation of the control line upon which our hydrographic surveys are based.

We understand that construction of the bikeway, relocation of life-guard stations, development by private industry and the normal ravages of time have destroyed several of the stations and have made existing descriptions meaningless.

Third Order elevations, referred to MLLW Datum, should be established on all monuments set. In the case of monuments set in the beach sand, "tie" elevations should be established on some topographic feature.

Our records unit is hereby advised that L.A.B.E. has performed some work on the control line in their area. The records of the F.C.D. should also be checked and applicable notes included in the needed job pouch.

This work may be done under our general fund job number as above. The work should be afforded a priority above that given to area center-line work but below that given to funded projects.

PWFB 0416 63

Notes Ck'd by	Survey of Control Line
Map No.	[illegible]
Office Work	Surveyed by English
Checked	Notes Ed. Date 4-77
Date	Indexed T.M. PALMERI AUG 5 1978

F.B. 2499 Pg. 5

HYDROSURVEY
CONTROL LINE

J.N. 0300.02

Control Line
Recovery and
Perpetuation
Survey.

April 20, 1977
English
Caro
Stroud
Bradley

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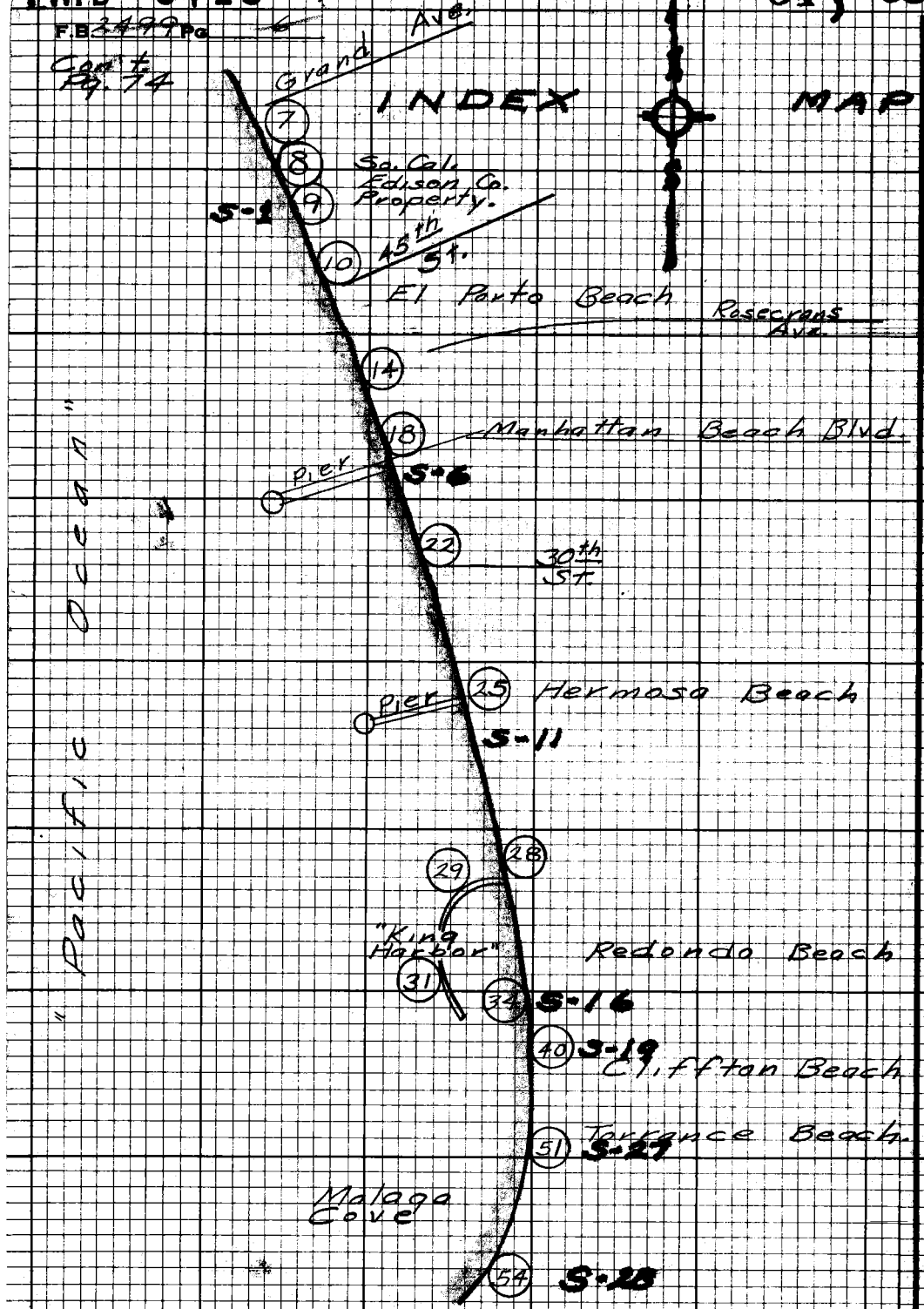
PWFB 0416 City of El Segundo 64, 65

F.B. 2499 Pg. 6

Con't. Pg. 74



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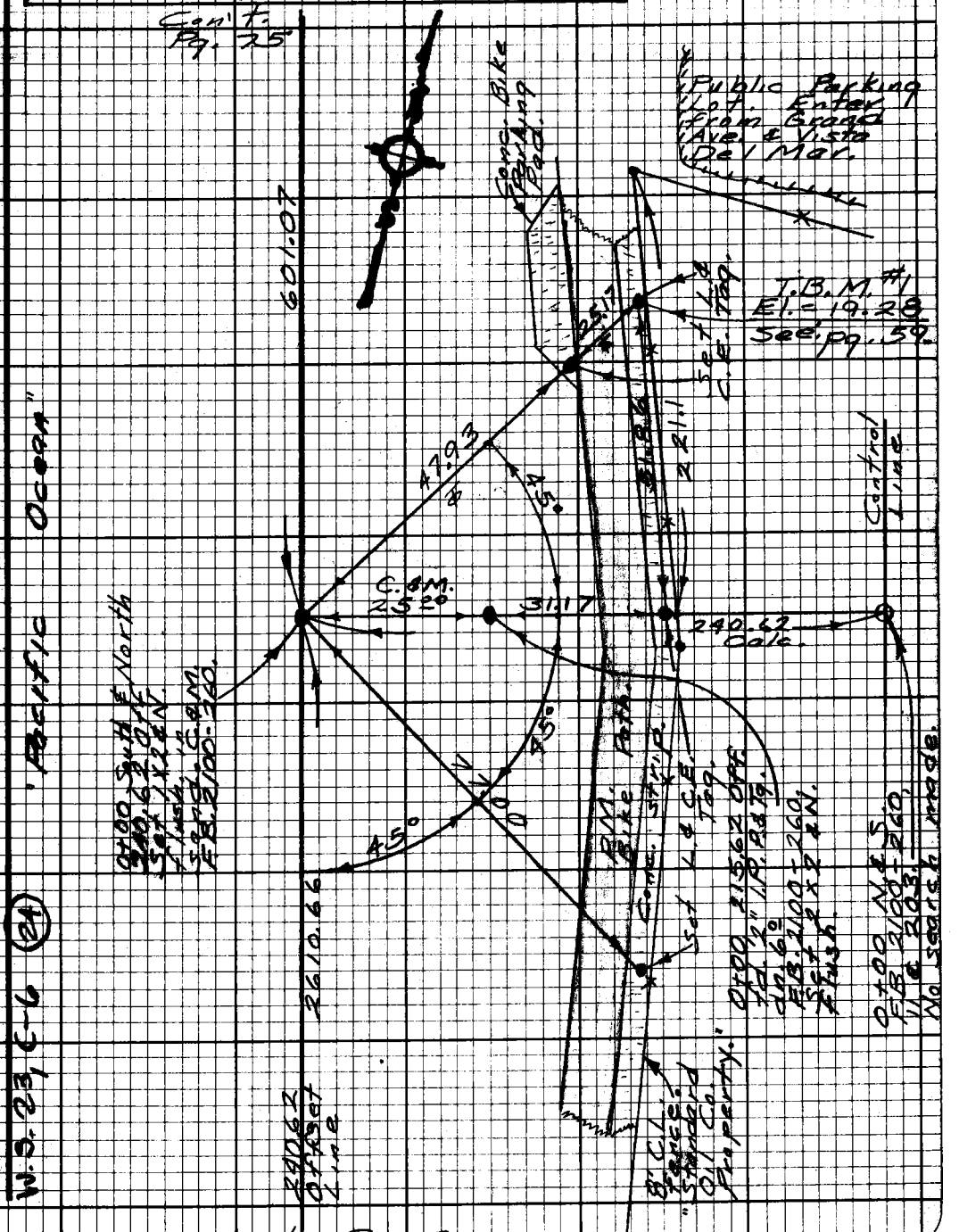
PWFB 0815

73

Notes Ck'd by	Survey of Control Line
Map No.	IN 030002 Tape 0179 Std 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 4-77
Date	Indexed T.M. PALMERI AUG 3 1978

F.B. ~~2499~~ Pg. ~~7~~

0+00 N.&S.



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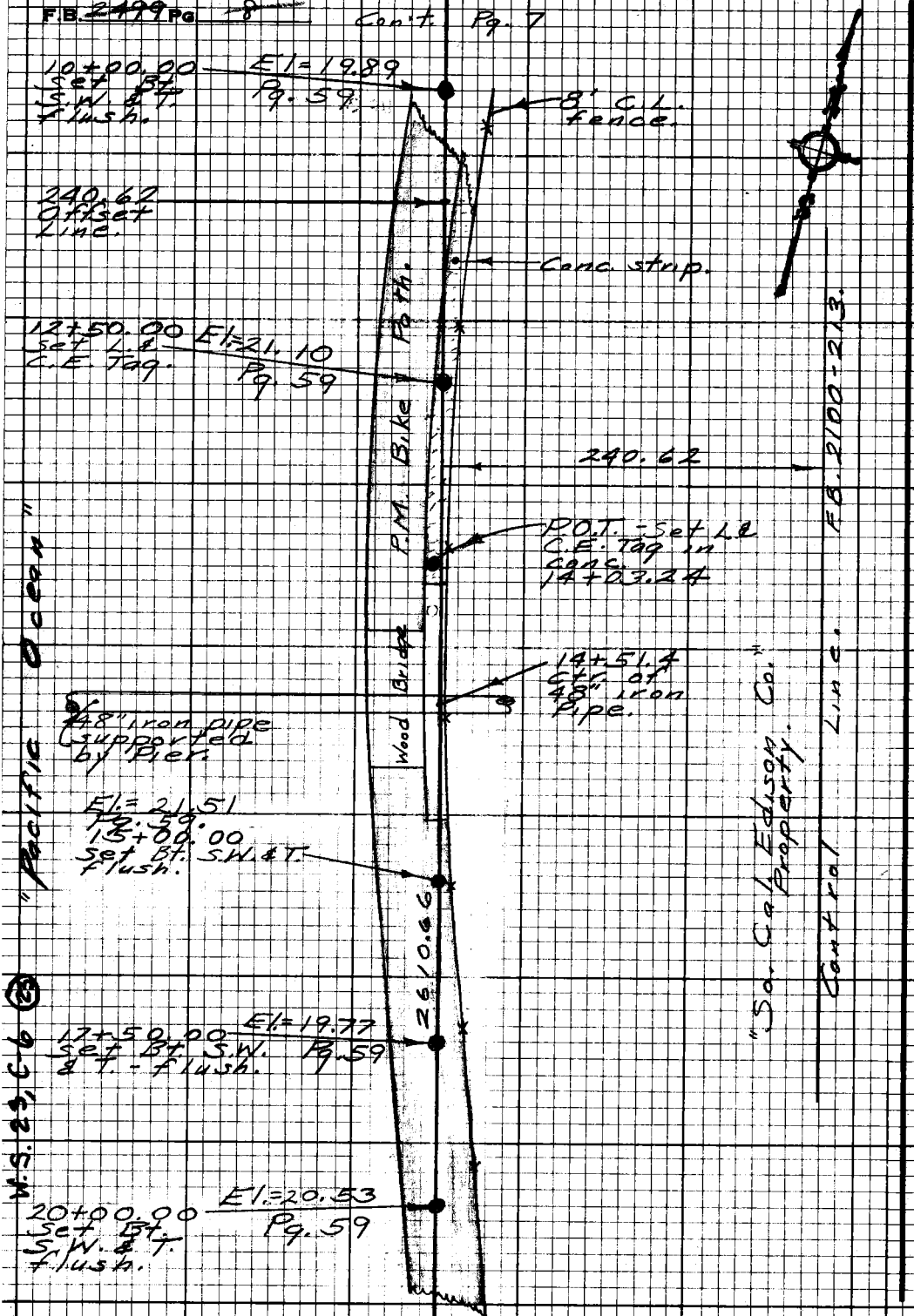
Con't. Pg. 8

F.B. 2499 Pg 8

Con't. Pg. 7



W.S. 23, C-6 (23)

Con't. Pg. 9

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PWFB 0715

28

Notes Ck'd by	Survey of Control Line
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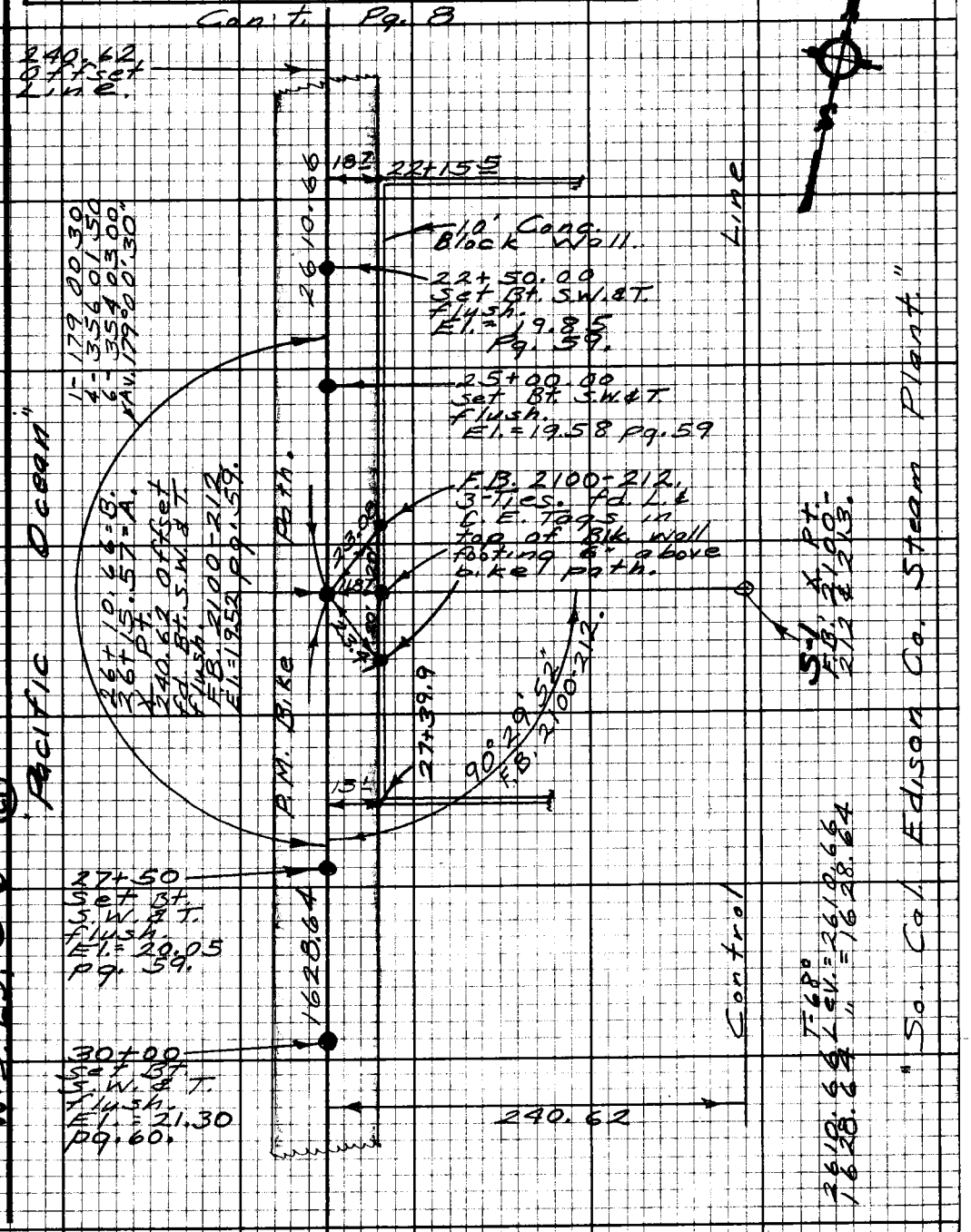
Office Work	Surveyed by English
Checked	Notes Ed. Date 4-77
Date	Indexed T.M. PALMERI AUG 3 1978

F.B. 2499 Pg. 9

S-1



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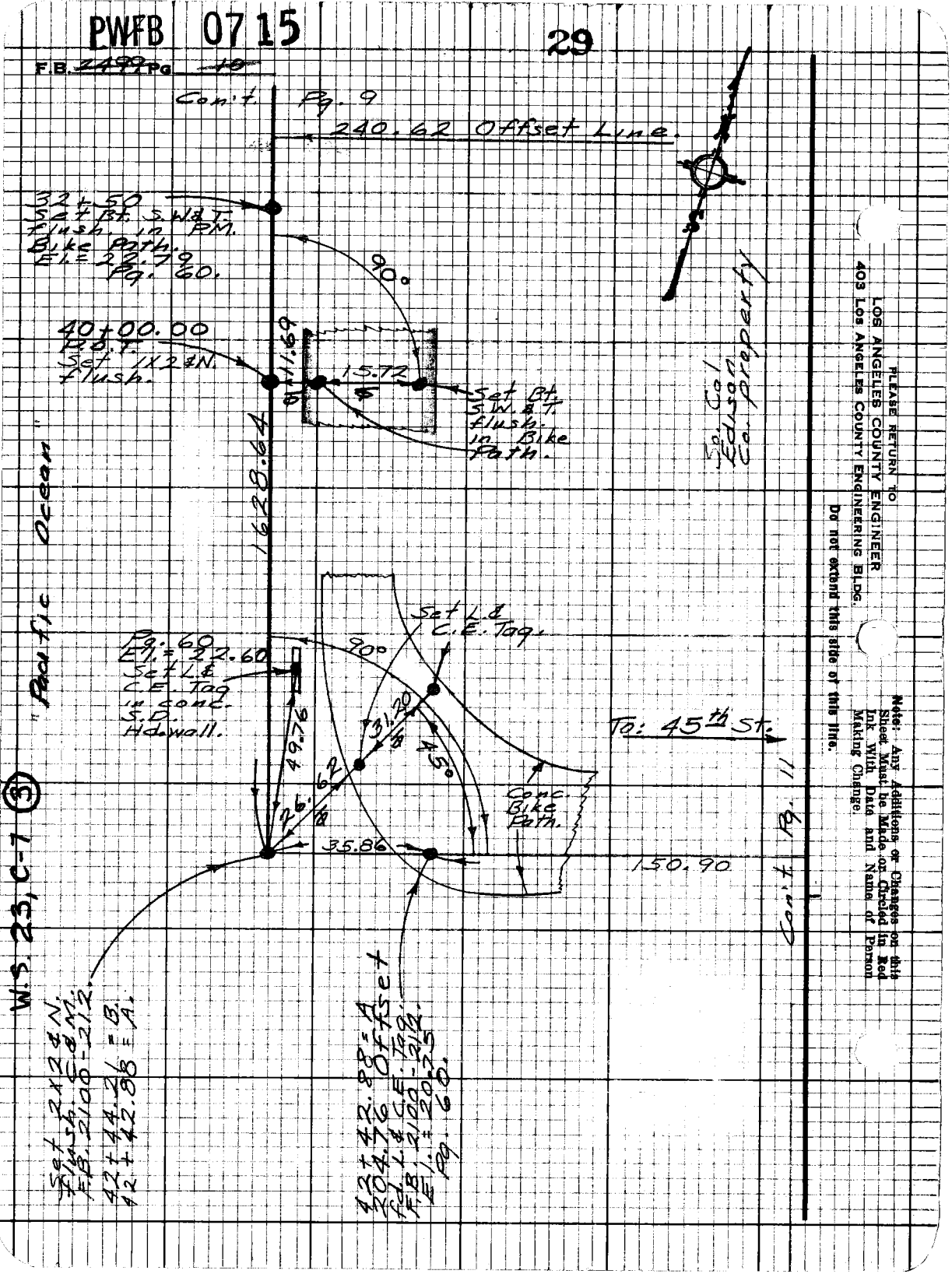
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3098 CE#310 9.67

PWFB 0715

29

F.B. 2499 Pg. 10



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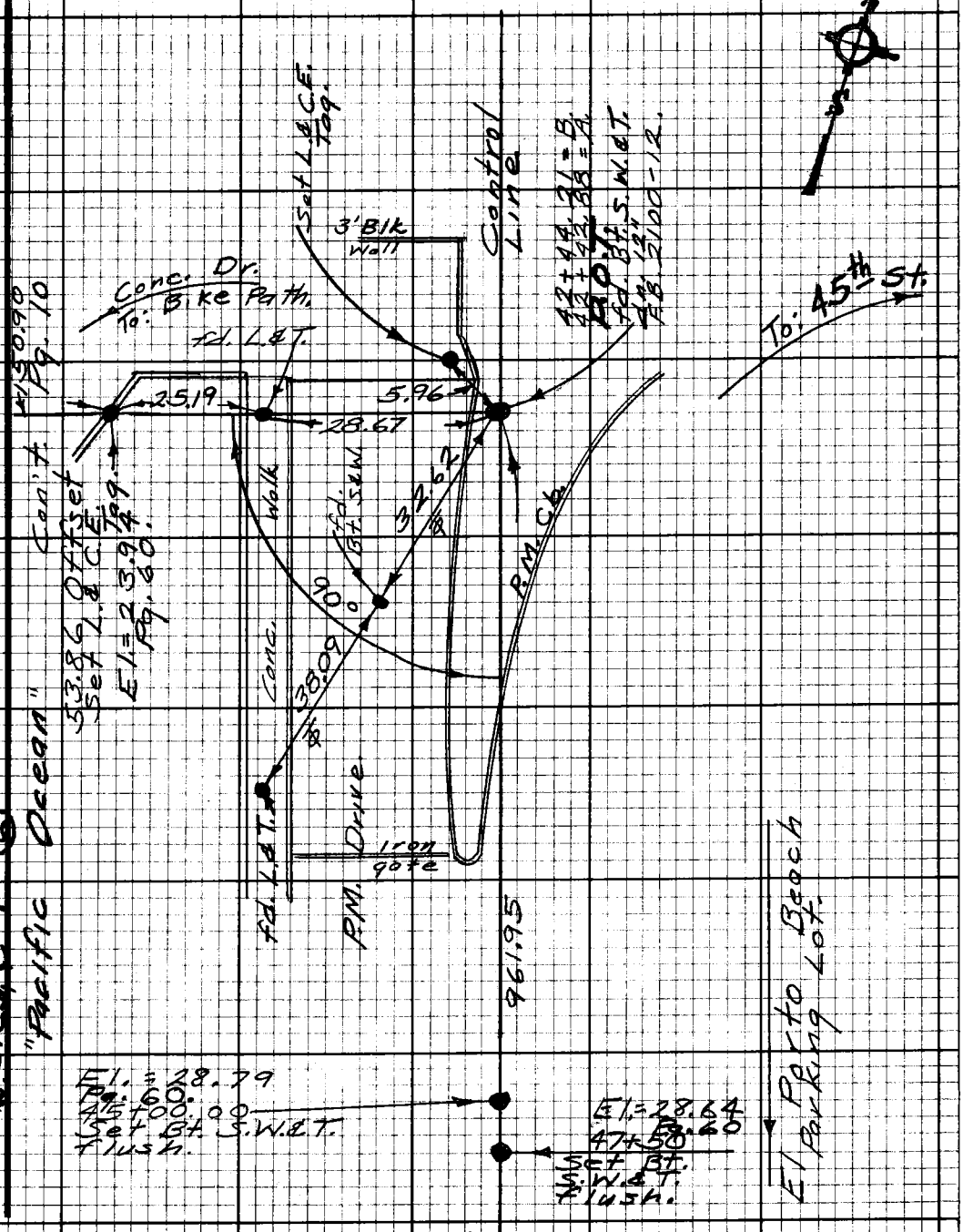
PWFB 0715

30

Notes Ck'd by	Survey of Control Line
Map No.	JN 030002 Tape 0179 Std 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 4-77
Date	Indexed T.M. PALMERI AUG 3 1978

F.B. 2499 Pg. 11

P.O.T.



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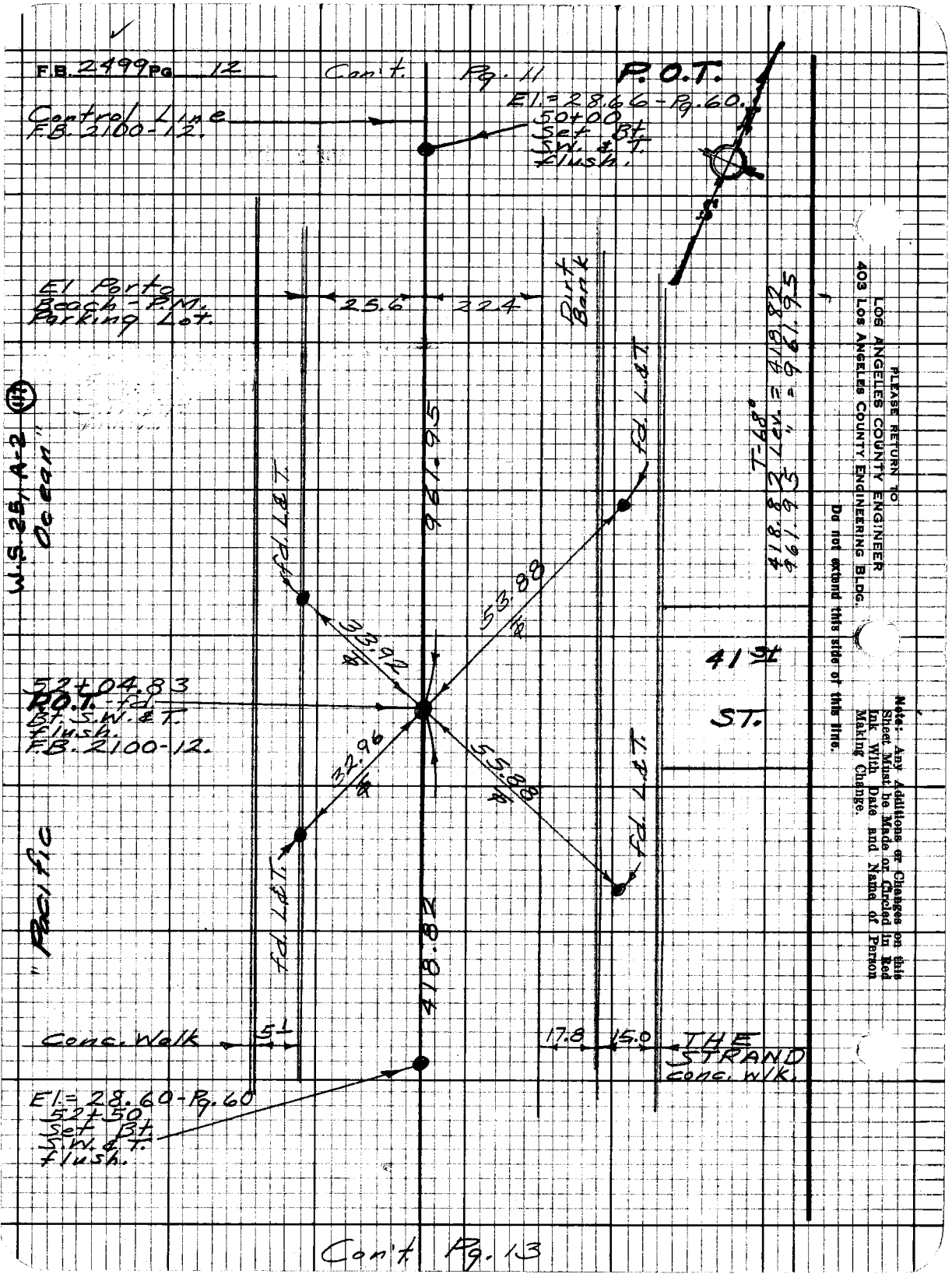
76F3098 CE#310 9.67

Con't. Pg. 12

F.B. 2499 Pg 12 Con't. Pg. 11



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Con't Pg. 13

PWFB 0716

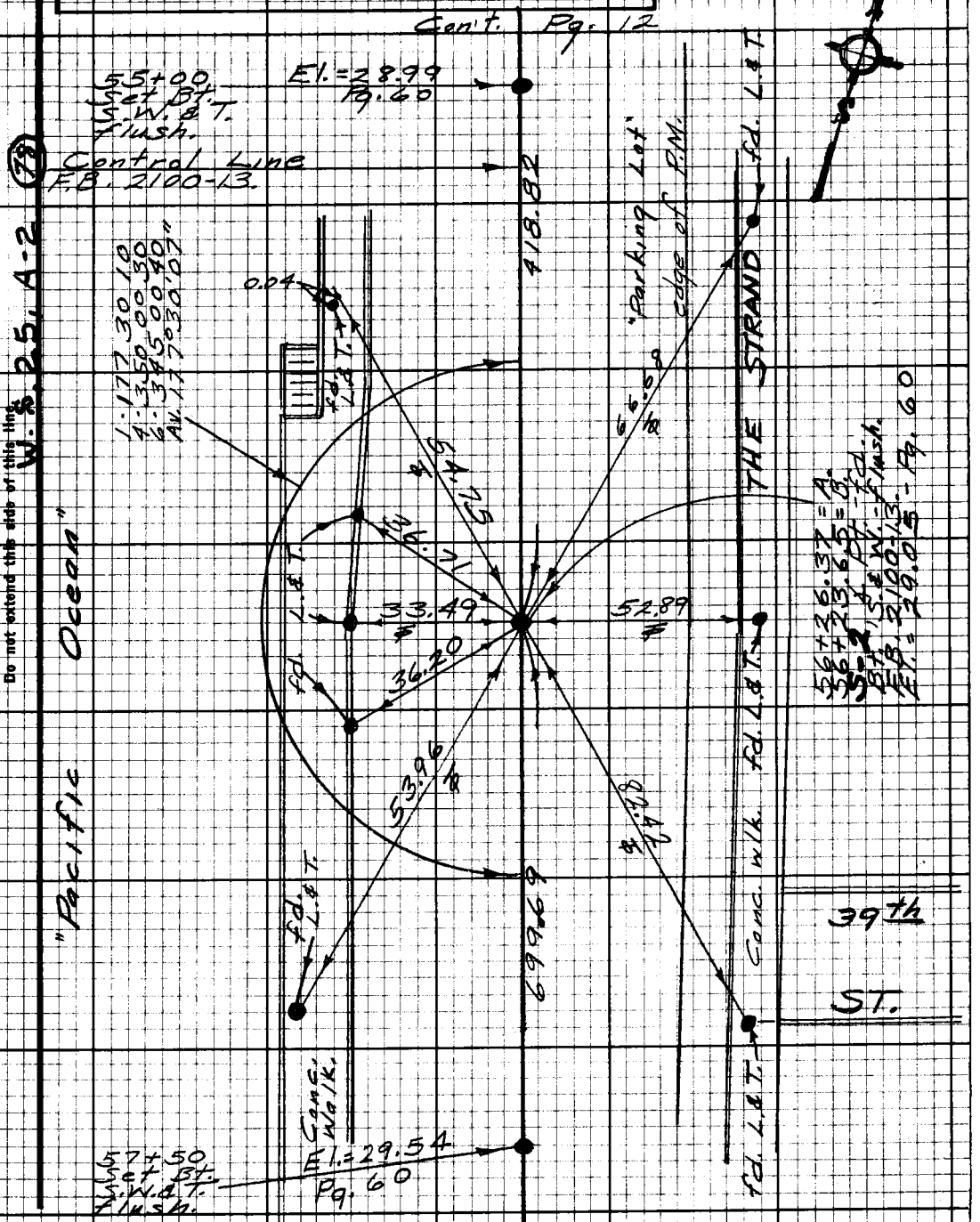
313

Notes Ck'd by	Survey of Control Line
Map No.	JN 0300.02 Tape 0179 Std 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 4-77
Date	Indexed T.M. PALMERI AUG 3 1978

F.B. 2499 Pg. 13

S-2

Con't. Pg. 12



Con't. Pg. 14

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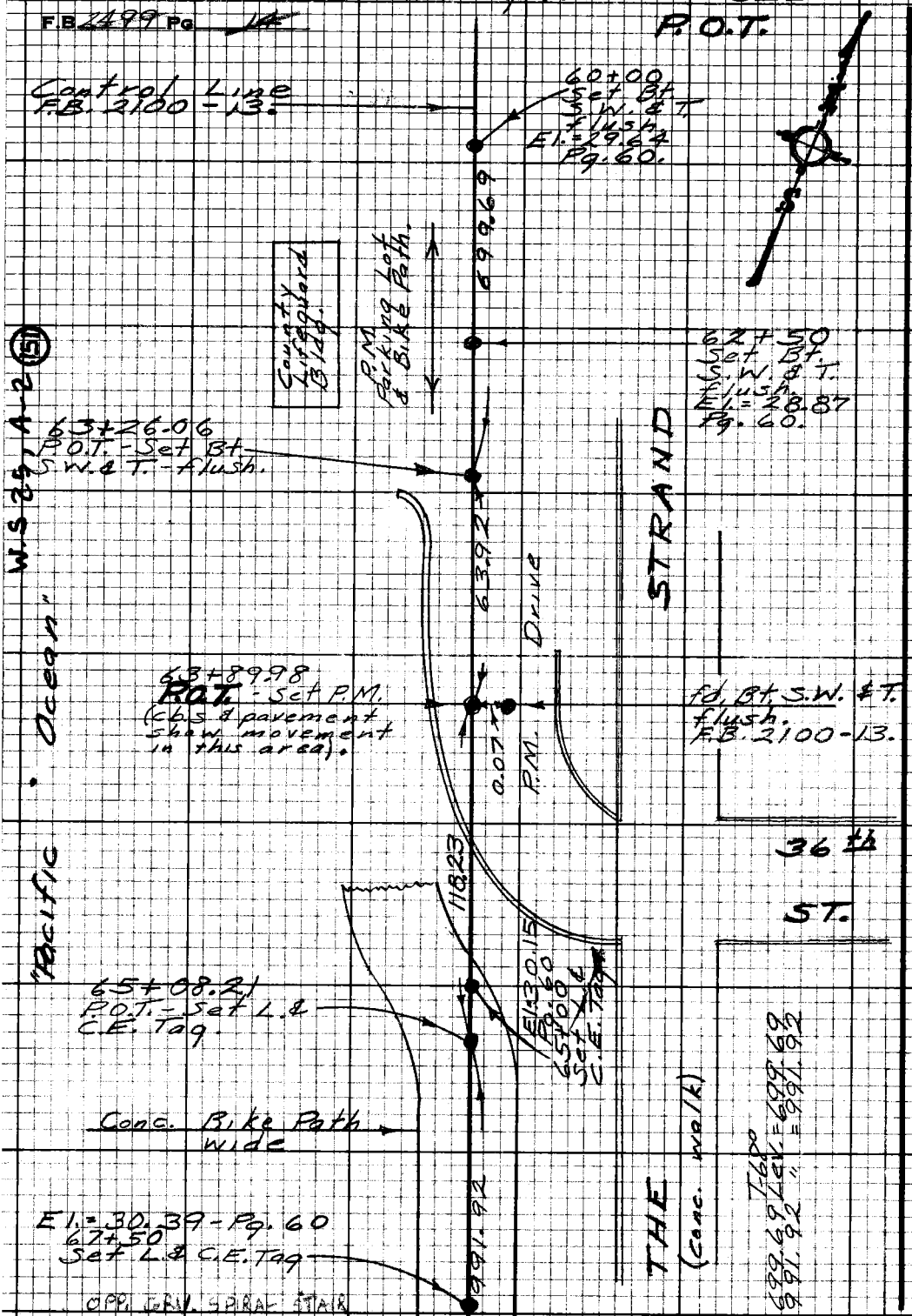
76F3098 CE#310 9.67

PWFB 0716 Con't. Pg. 13 314

F.B. 2499 Pg. 14



Con't. Pg. 15

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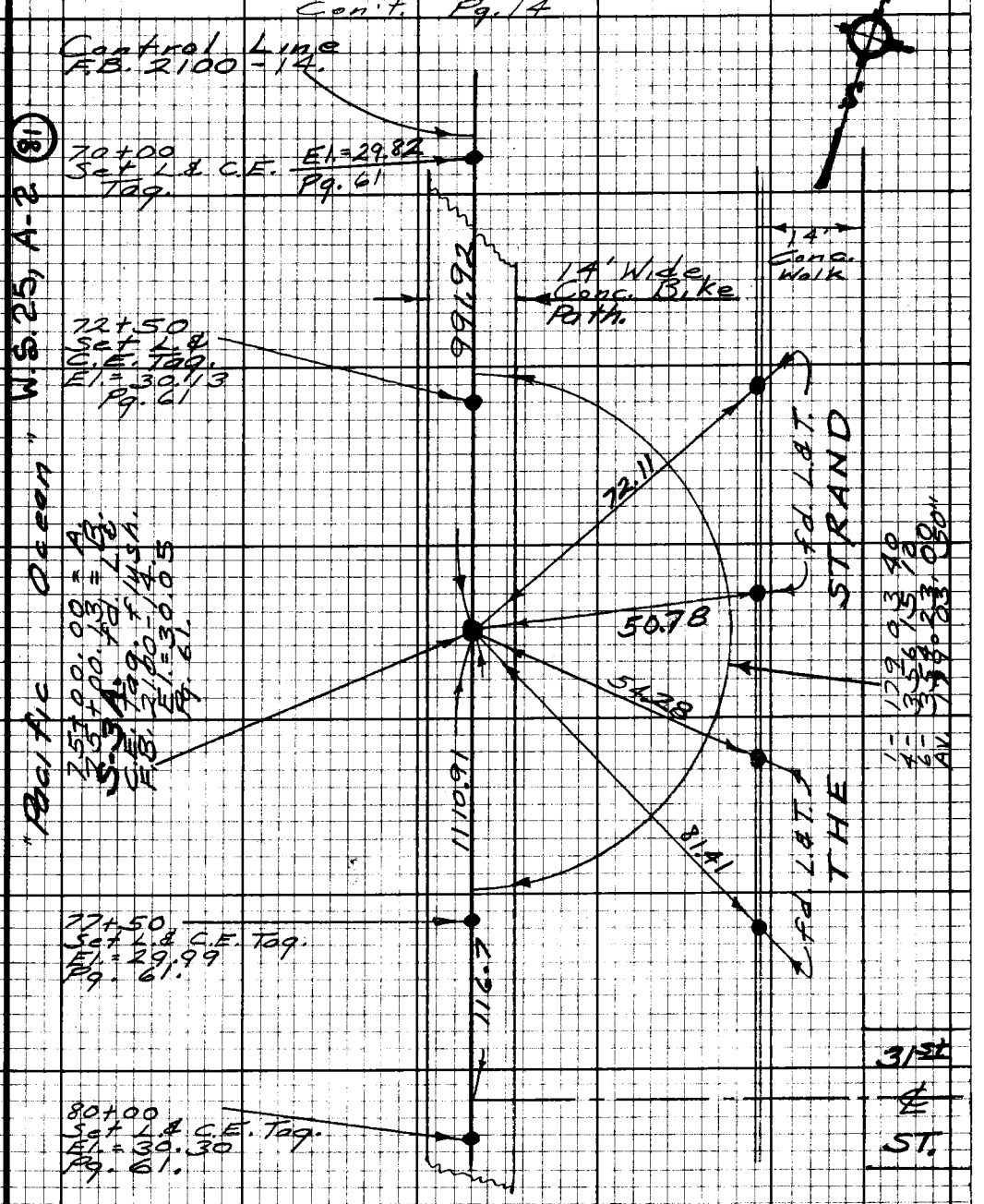
PWFB 0716

315

Notes Ck'd by	Survey of Control Line
Map No.	JN 0300.02 Tape 0179 Std 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 4-77
Date	Indexed T.M. PALMERI AUG 3 1978

F.B. 2499 Pg. 15

S-3A



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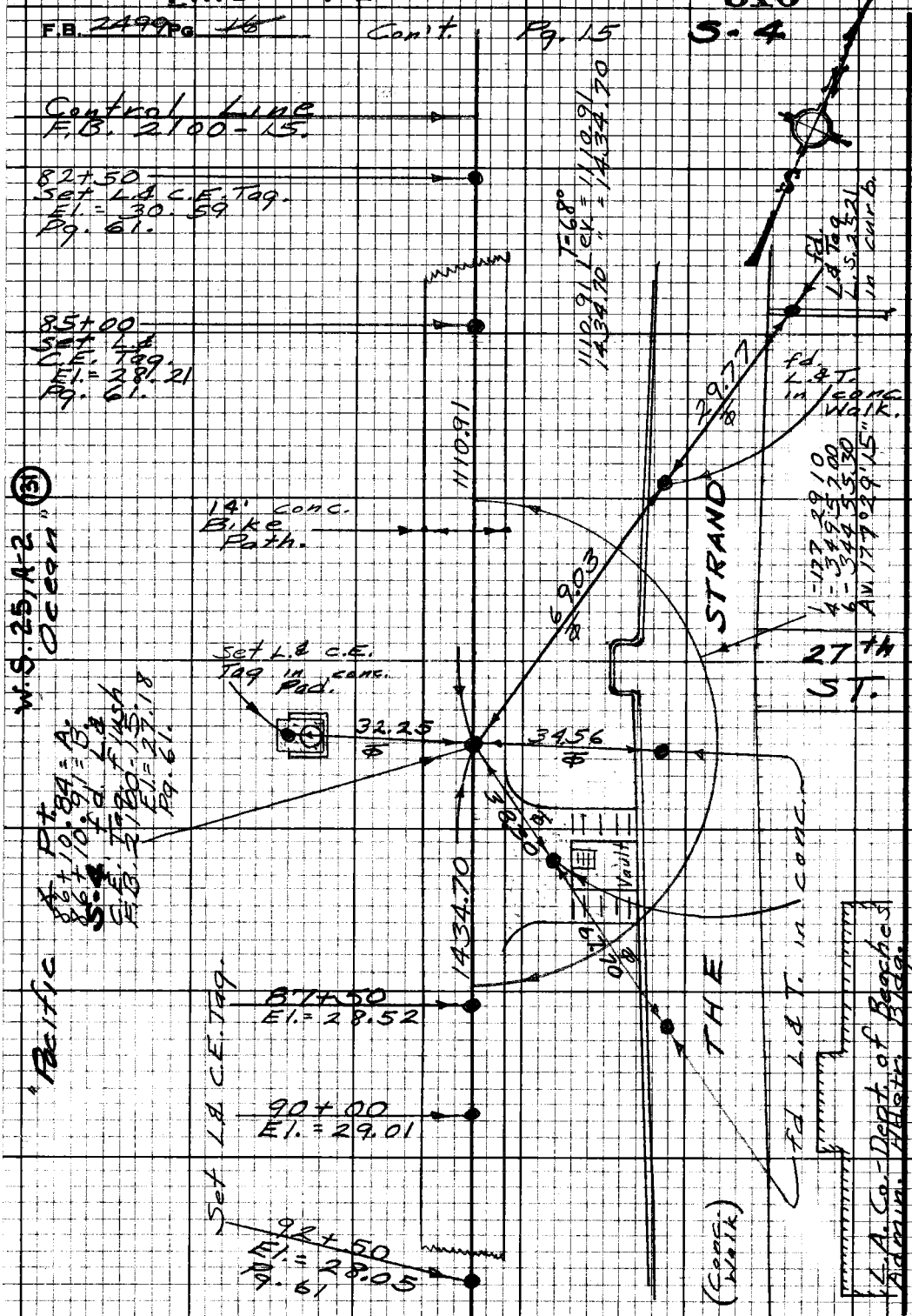
76F3098 CE#310 9-67

PWFB 0716

316

F.B. 2499 Pg. 16 Con't. Pg. 15 S-4



Con't Pg. 17

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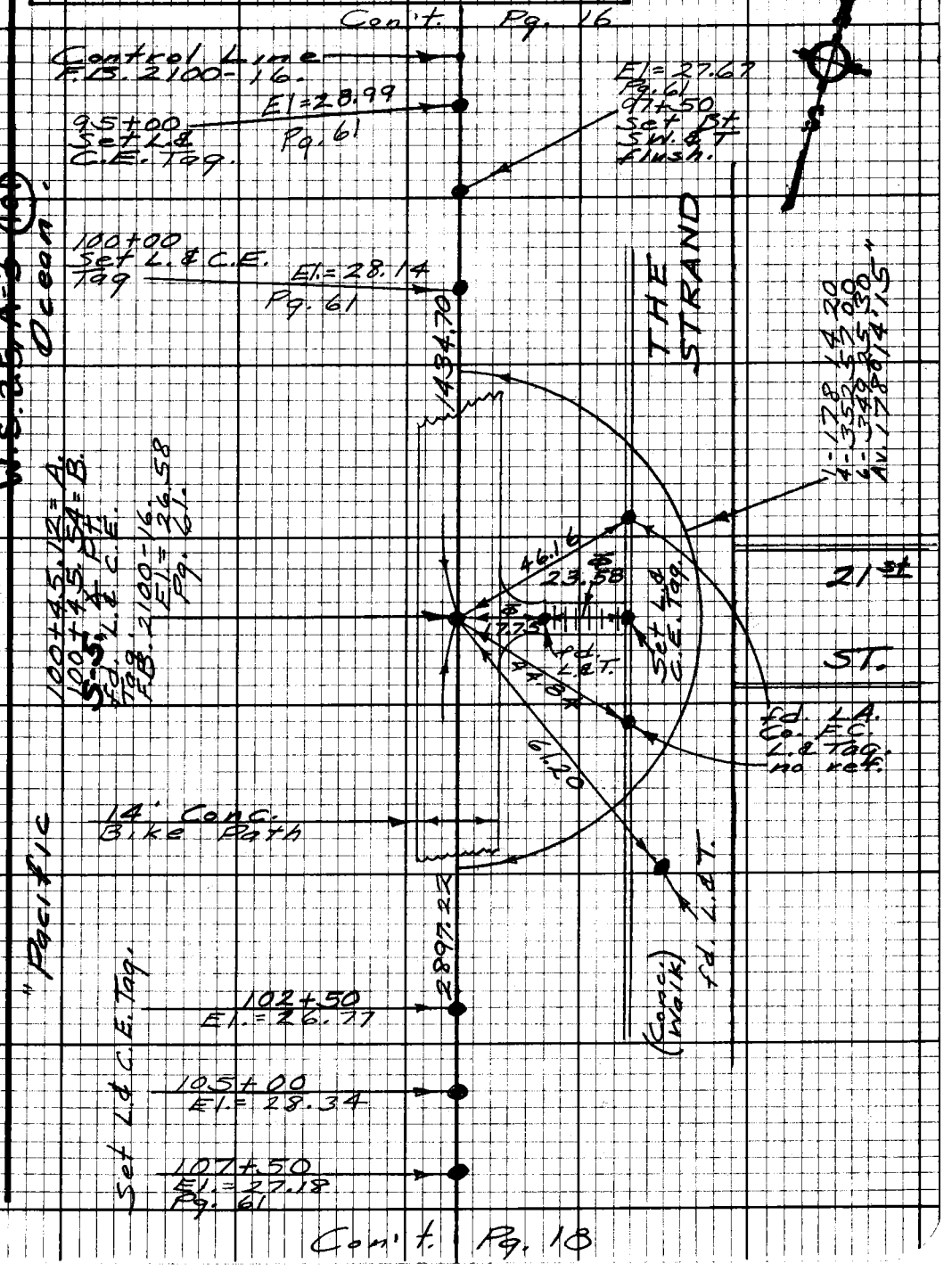
PWFB 0716

317

Notes Ck'd by	Survey of Control Line
Map No.	JN 030002 Tape 0179 Std 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 4-77
Date	Indexed T.M. PALMERI AUG 3 1978

F.B. 2499 PG. 17

S-5



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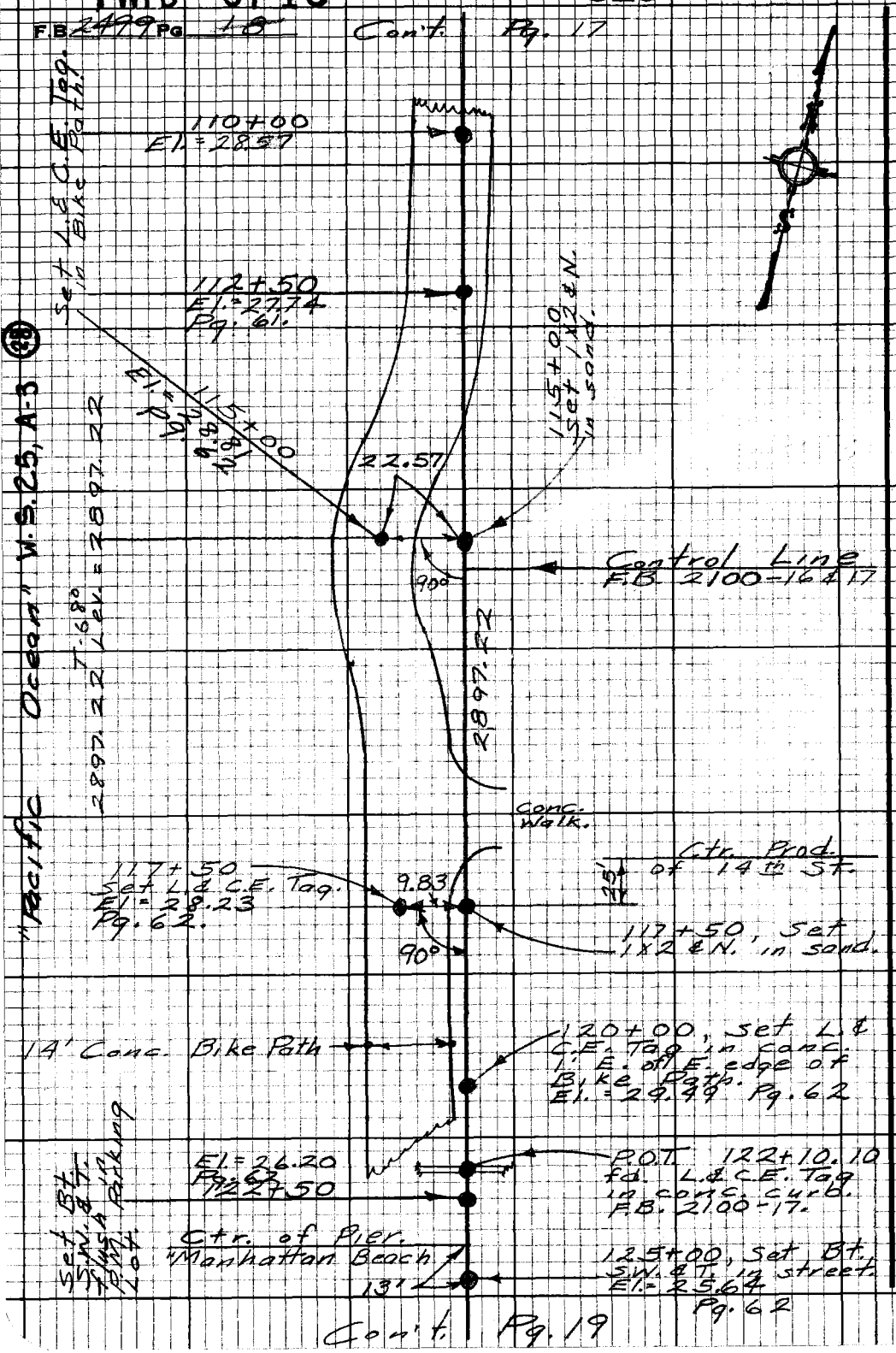
26F3098 CE#310 9-67

FB 2499 PG 18 Con't. Pg. 17



Con't. Pg. 19

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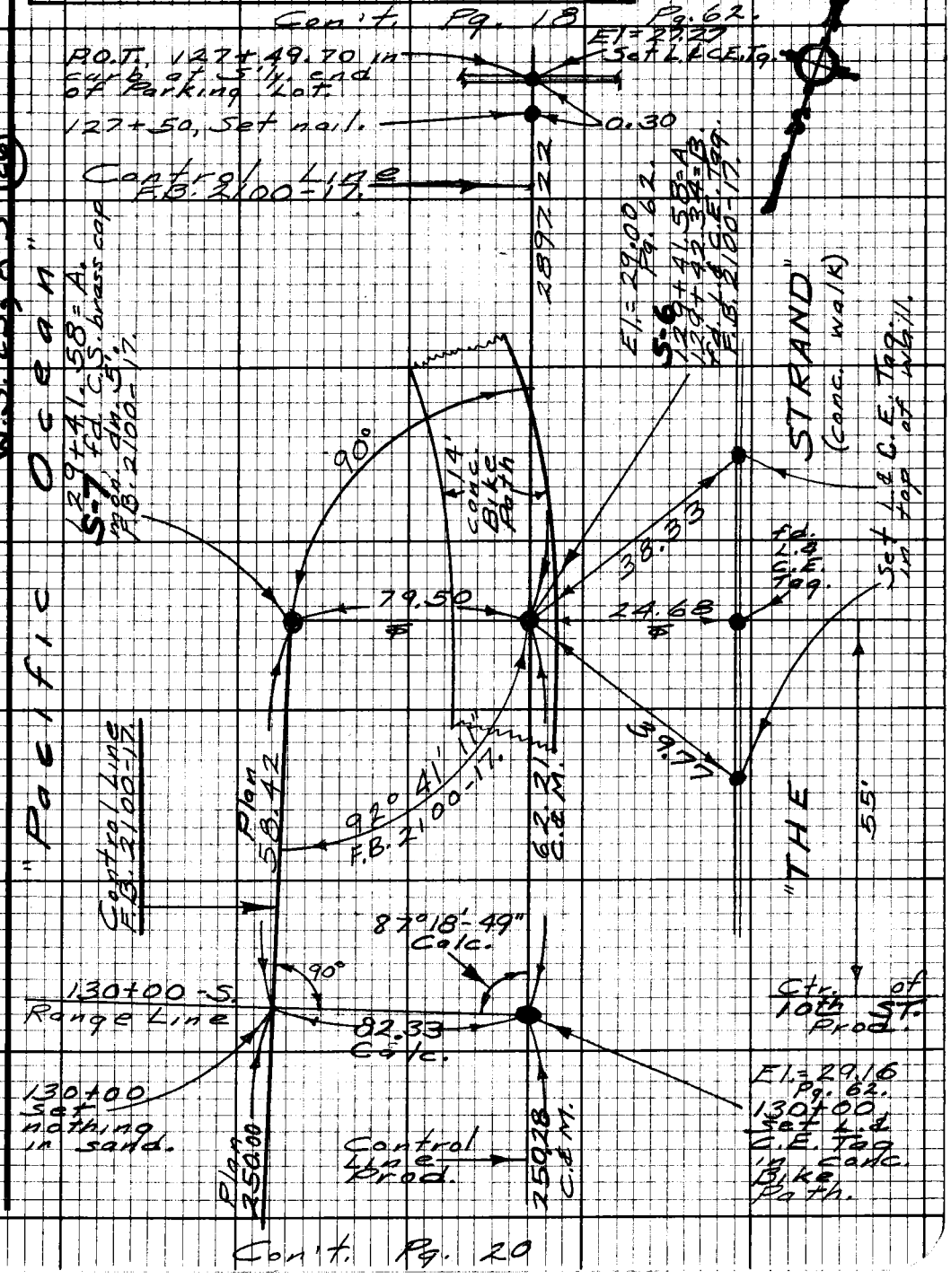
PWFB 0616

109, 110

Notes Ck'd by	Survey of Control Line
Map No.	JN 0300.02 Tape 0179 Std 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 4-77
Date	Indexed T.M. PALMER AUG 3 1978

F.B. 2499 Pg. 19

S-6 & S-7



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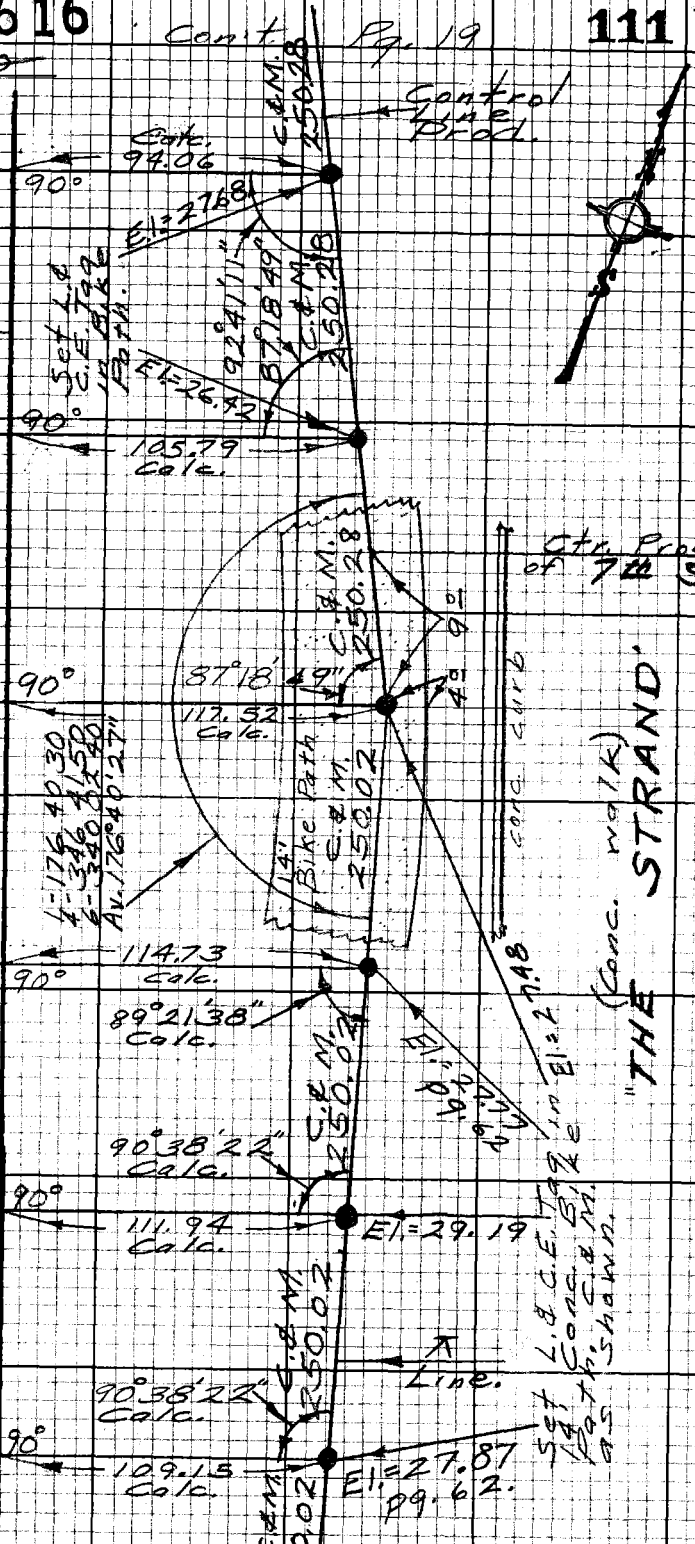
76F3093 CE#310 9-67

F.B. 2499 Pg. 20

Con't. Pg. 19



"THE STRAND"
(Conc. walk)

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PWFB 0616

112

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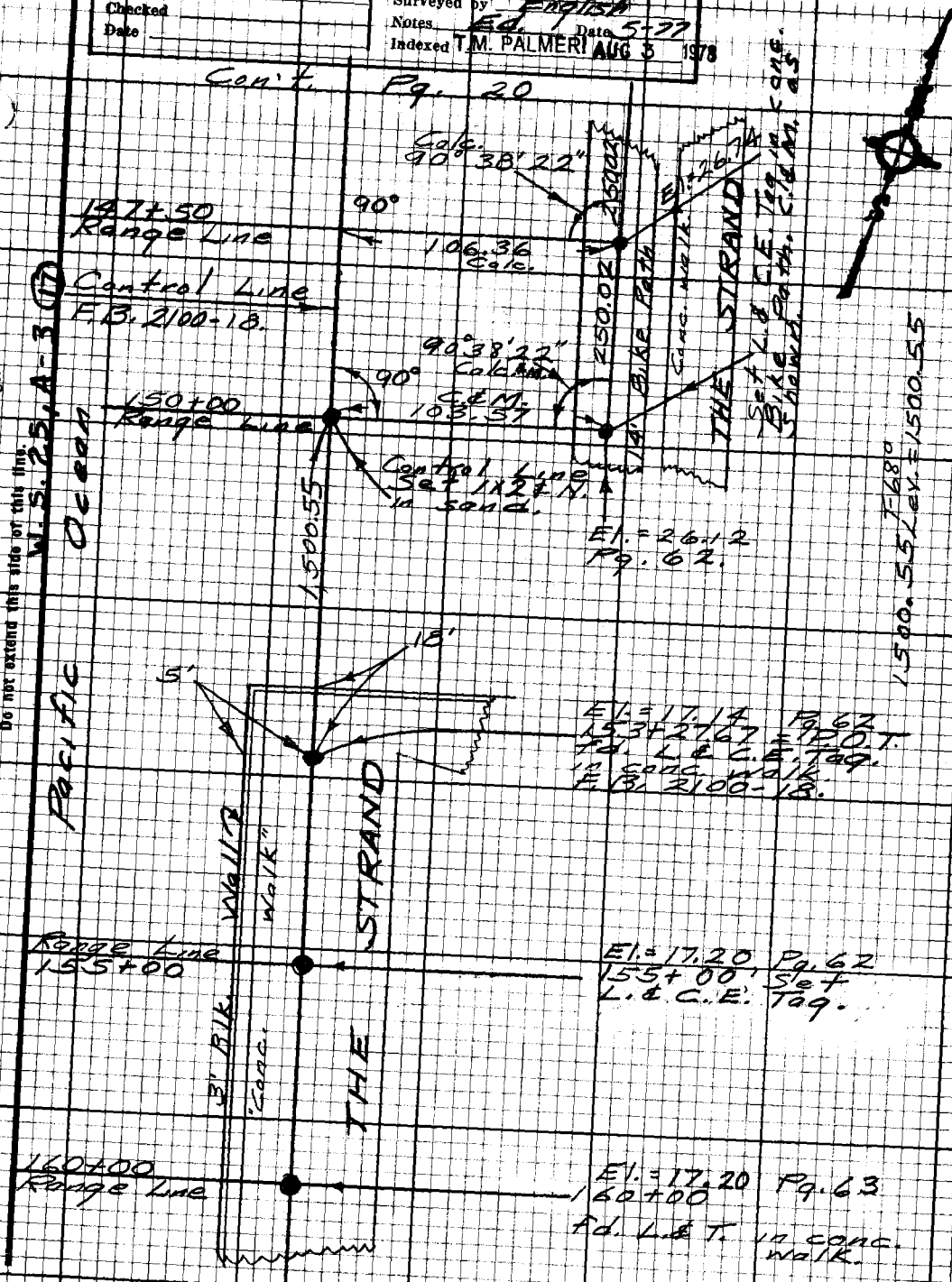
Map No.
Office Work
Checked
Date

Survey of Control Line
JN 030002 Tape 015 Std 68 °F
Surveyed by English
Notes Ed. Date 5-77
Indexed T.M. PALMERI AUG 3 1978

F.B. 2499 Pg. 21



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Con't. Pg. 22

PWFB 0616

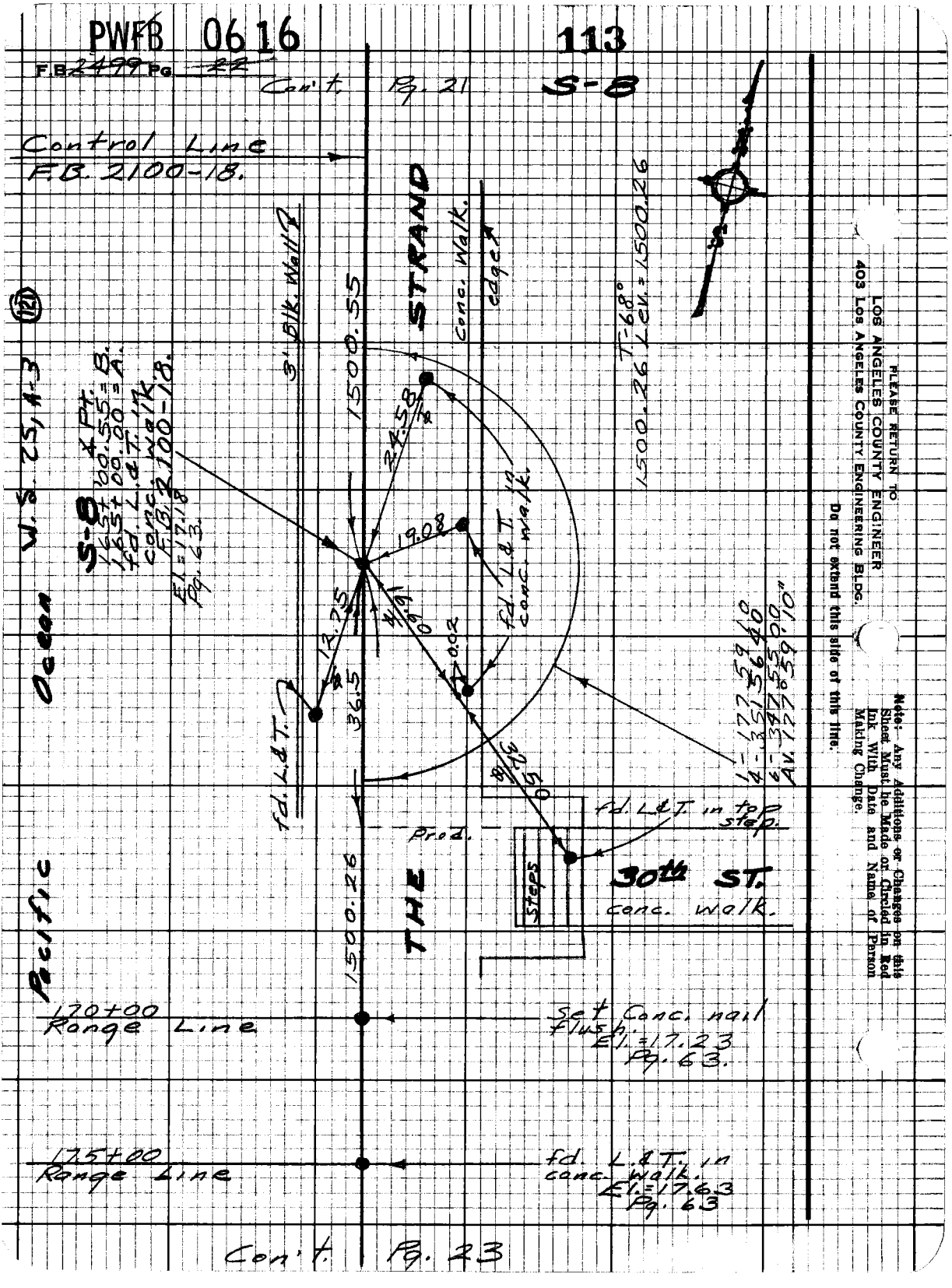
113

F.B. 2499 Pg. 22

Con't. Pg. 21

S-8

Control Line
F.B. 2100-18.



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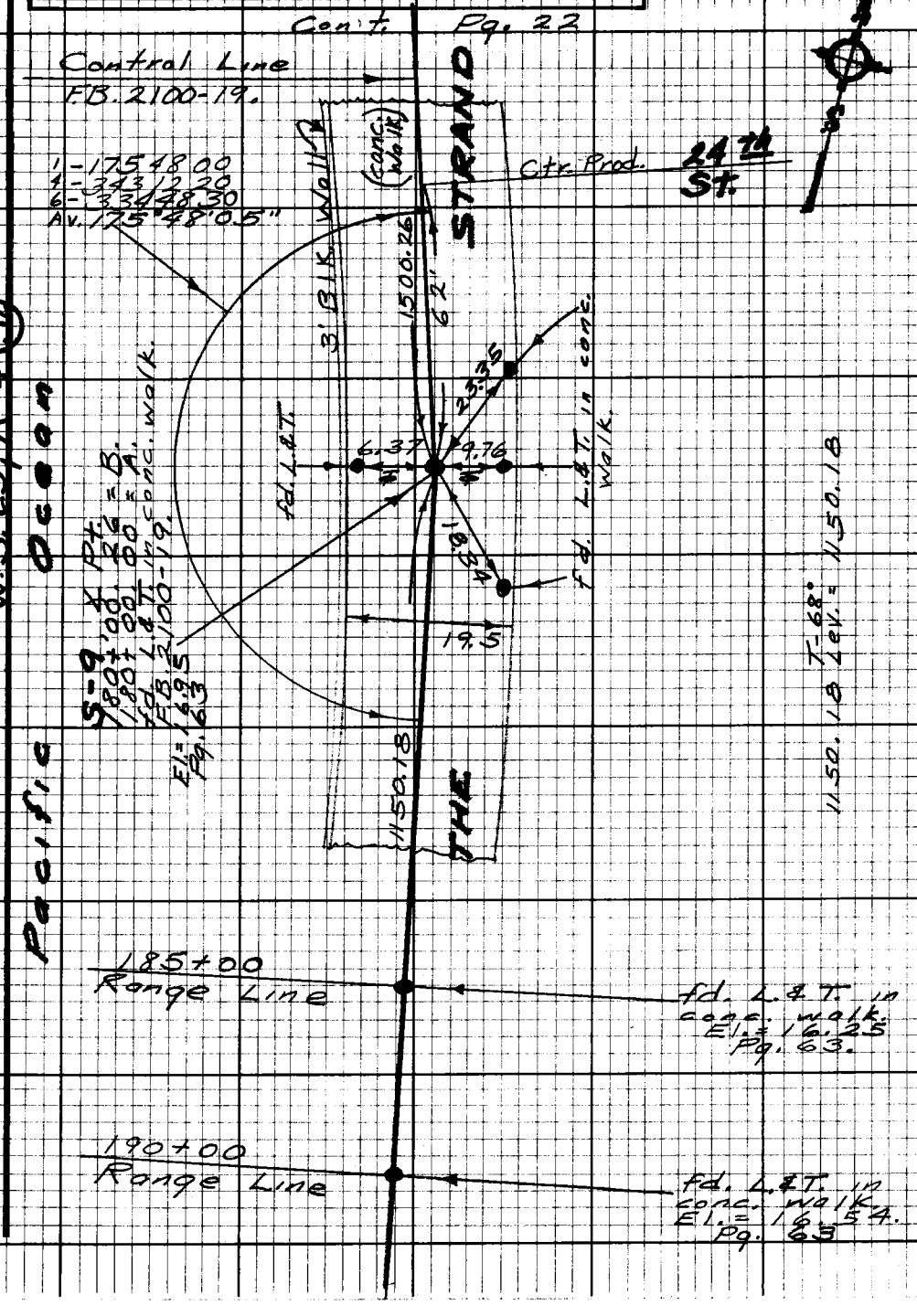
Con't. Pg. 23

PWFB 0616 114

Notes Ck'd by	Survey of Control Line
Map No.	JN 0300.02 Tape 01.5 Std 68 °F
Office Work	Surveyed by English
Checked	Notes Ed Dates 5-77
Date	Indexed T.M. PALMERI AUG 3 1978

F.B. 2499 PG. 23

S-9



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76F3098 CE #310 9-67

F.B. 2499 Pg. 24

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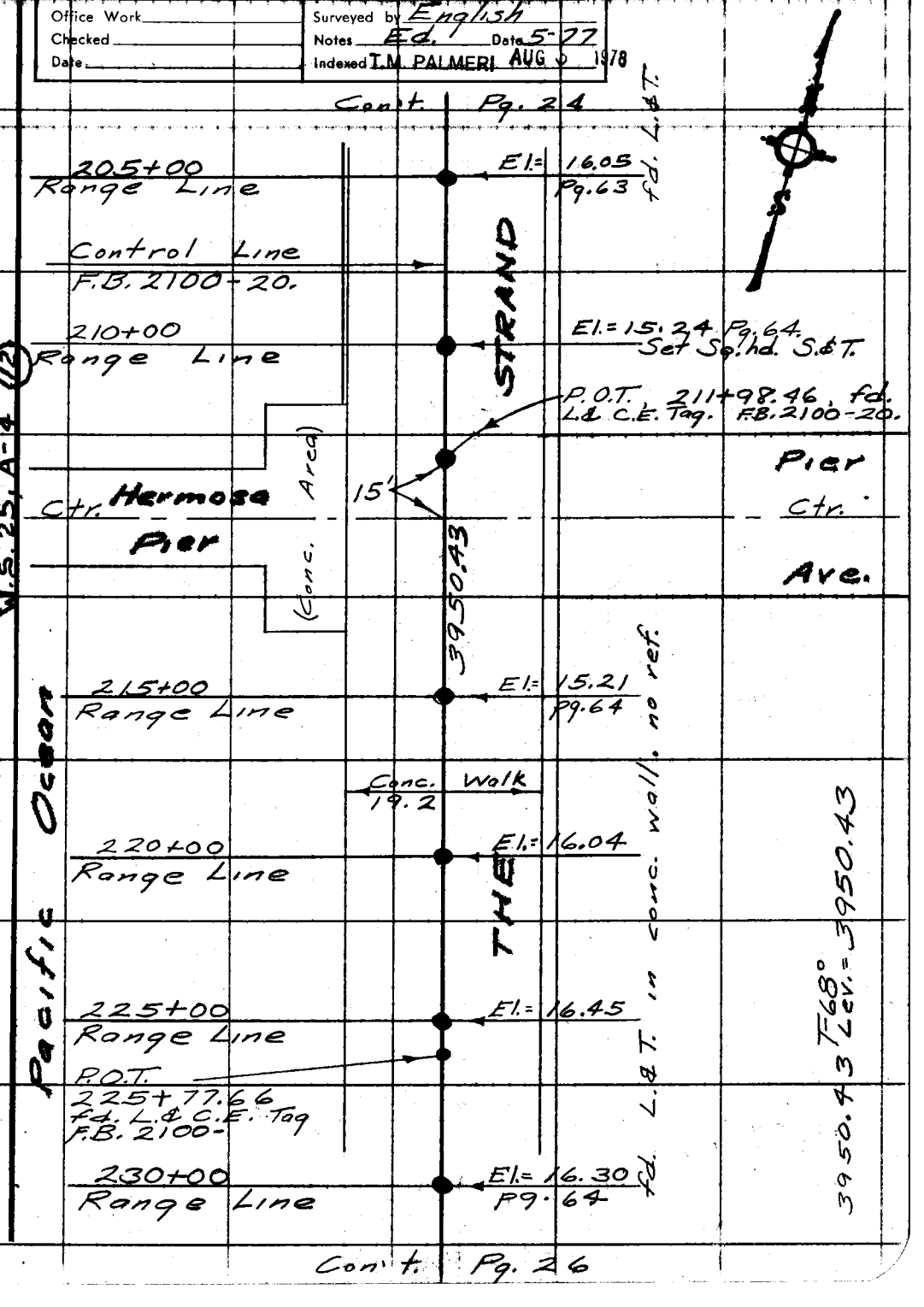
PWFB 0616 116, 117, 118, 119 ✓

Notes Ck'd by	Survey of Control Line
Map No.	JN 0300.02 Page 015 Std. 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 5-77
Date	Indexed T.M. PALMERI AUG 0 1978

F. B. 2499 PG. 25



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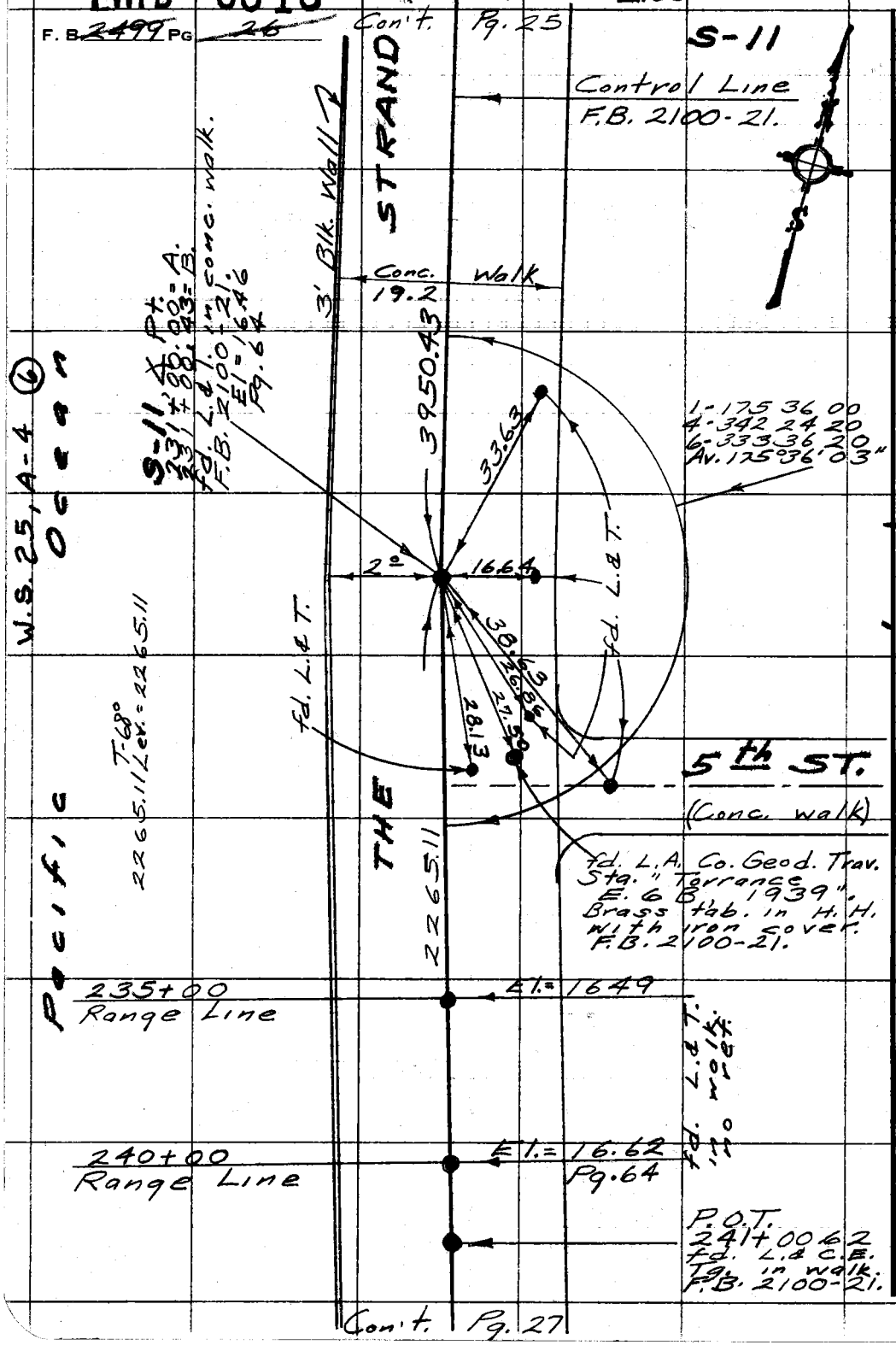
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 3-69

F. B. ~~2499~~ PG ~~26~~



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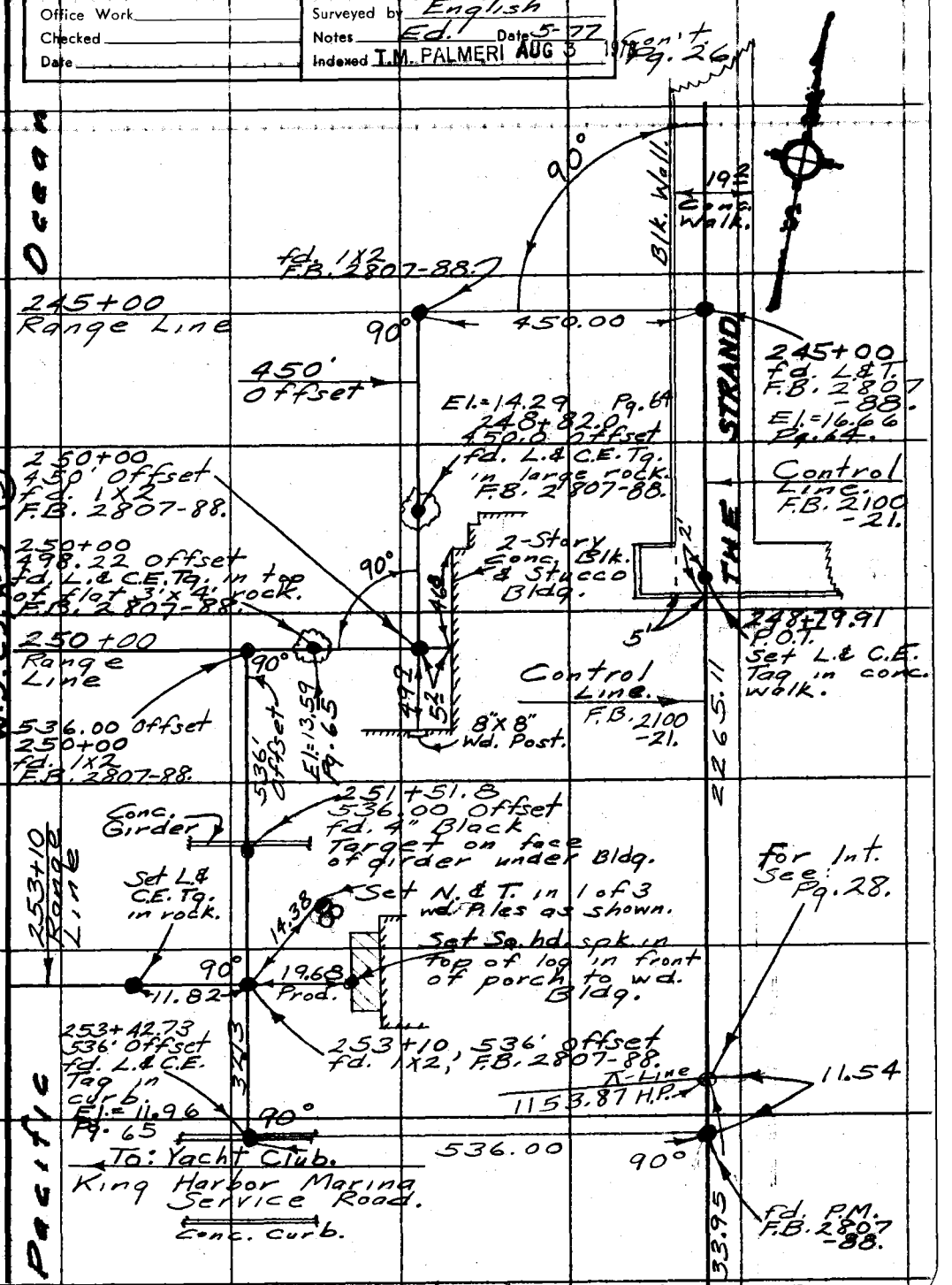
PWFB 0516

106

Notes Ck'd by	Survey of Control Line
Map No.	IN 0300.02 Range 015 Std 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 5-77
Date	Indexed T.M. PALMERI AUG 3 1978

F. B. 2499 PG. 27



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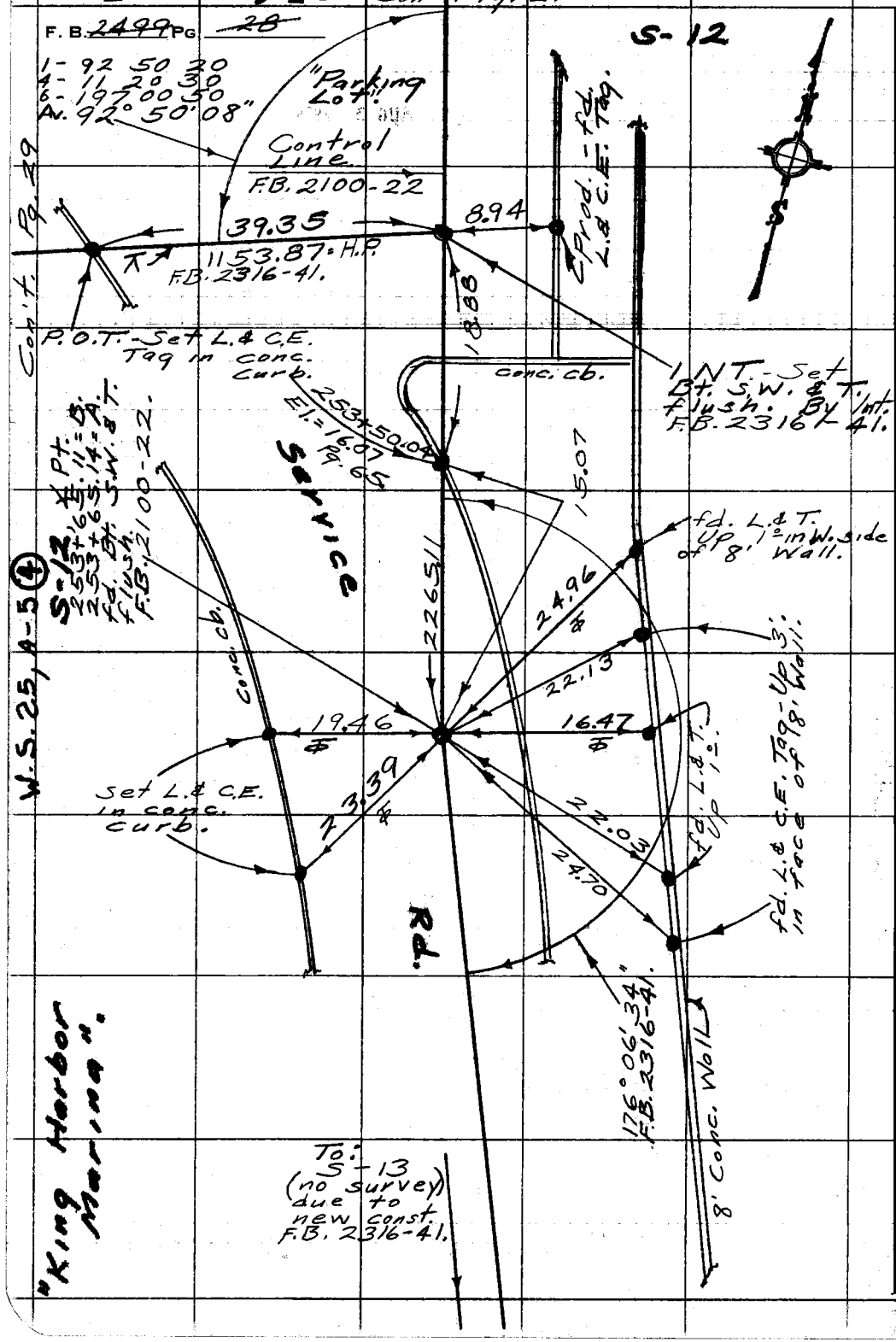
76F309S CE#310 3-69

"Kings Harbor" Con't. Pg. 28

F. B. ~~2499~~ PG ~~28~~



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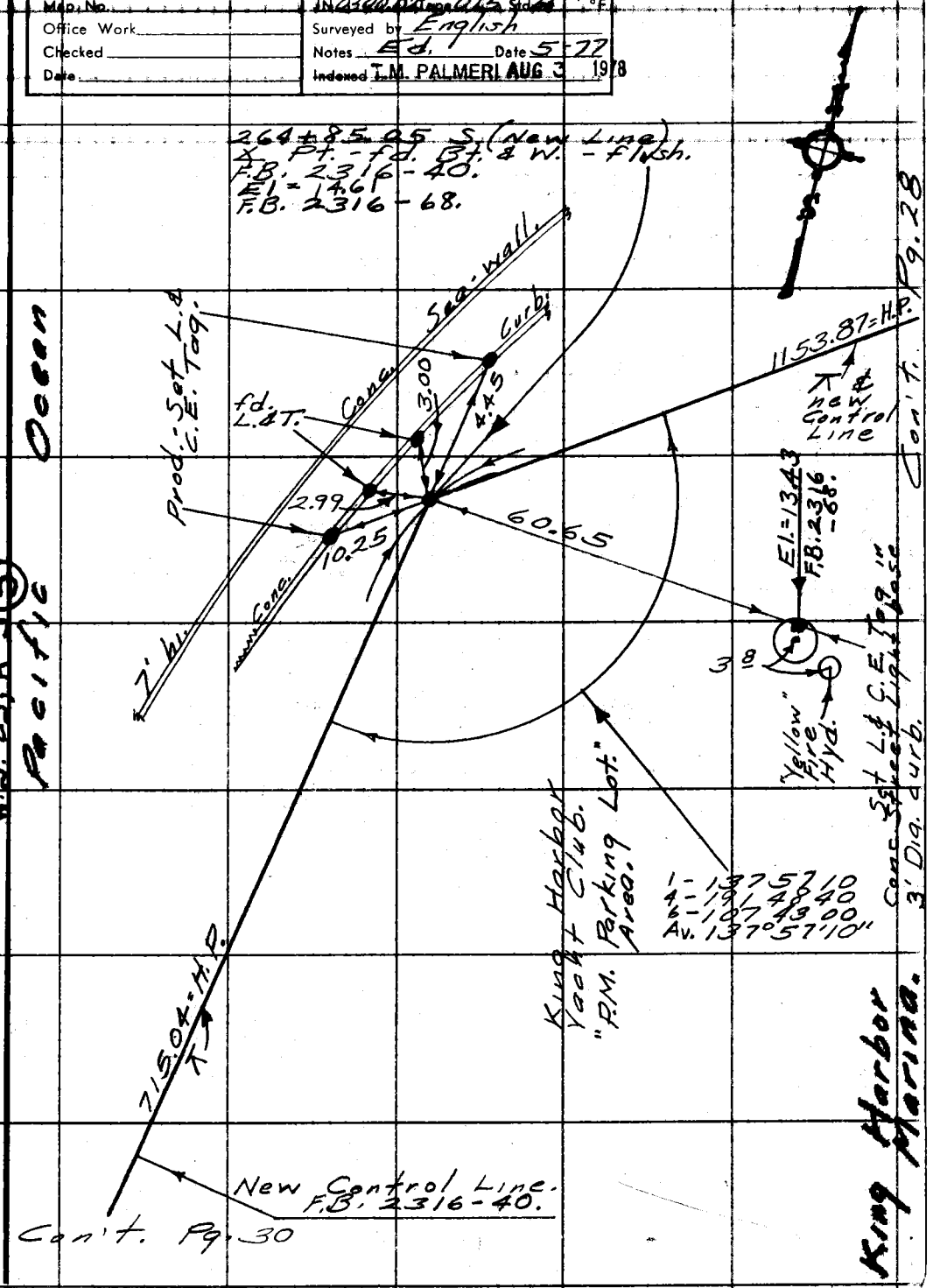
PWFB 0516

108

Notes Ck'd by	Survey of Hydrosurvey
Map No.	JN 0300.02 Tape 015 Std 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 5-77
Date	Indexed T.M. PALMERI AUG 3 1978

F. B. 2499 PG. 29



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W.S. 25, A-5 (5)

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 3-69

F. B. ~~2499~~ PG ~~30~~

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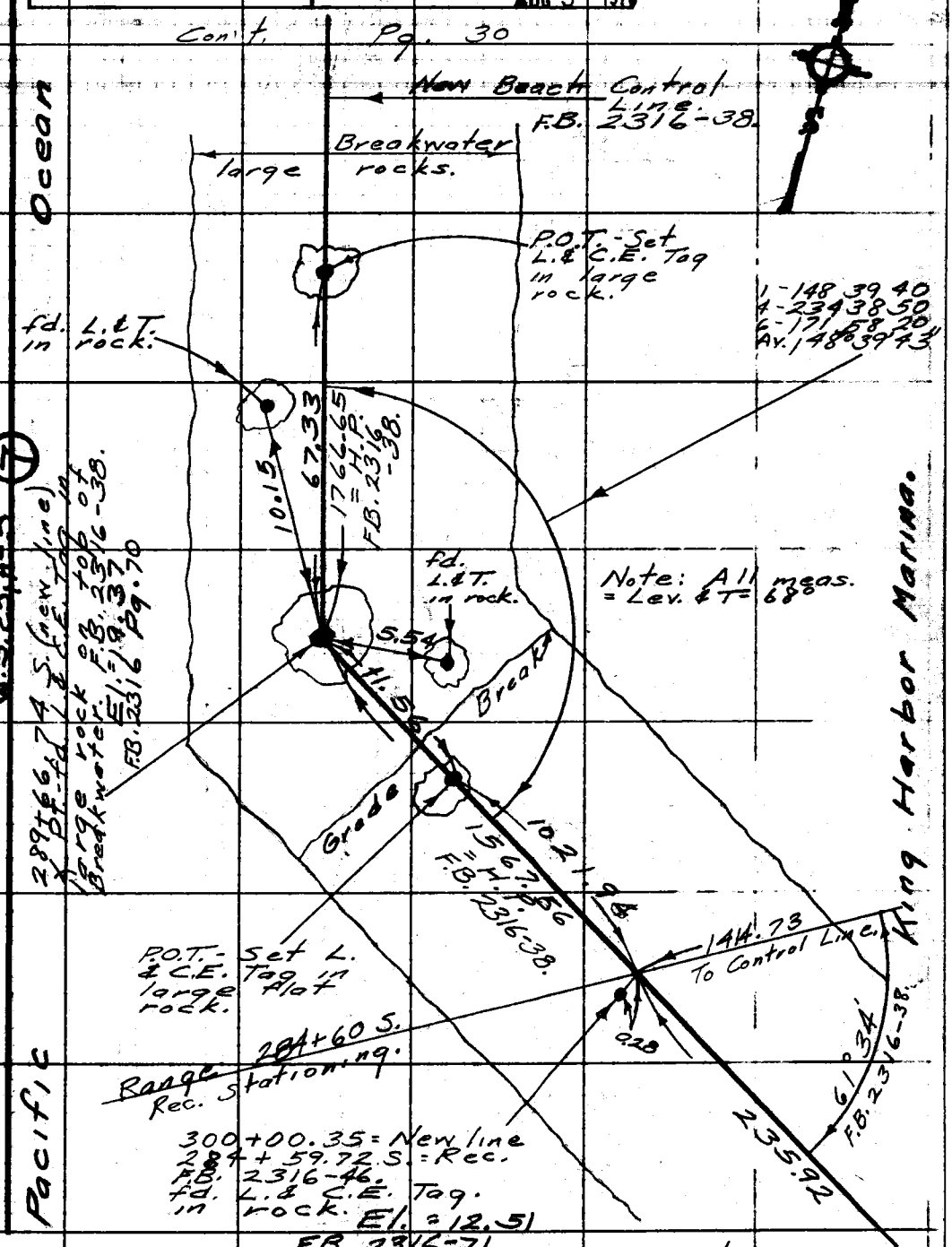
PWFB 0516

110, 111

F. B. 2499 Pg. 31

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

Survey of Hydrosurvey
JN 0300.02 Tape 015 Std 68 °F
Surveyed by English
Notes E.G. Date 5-77
Indexed T.M. PALMERI
AUG 3 1978



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W.S. 25, A-5 (7)

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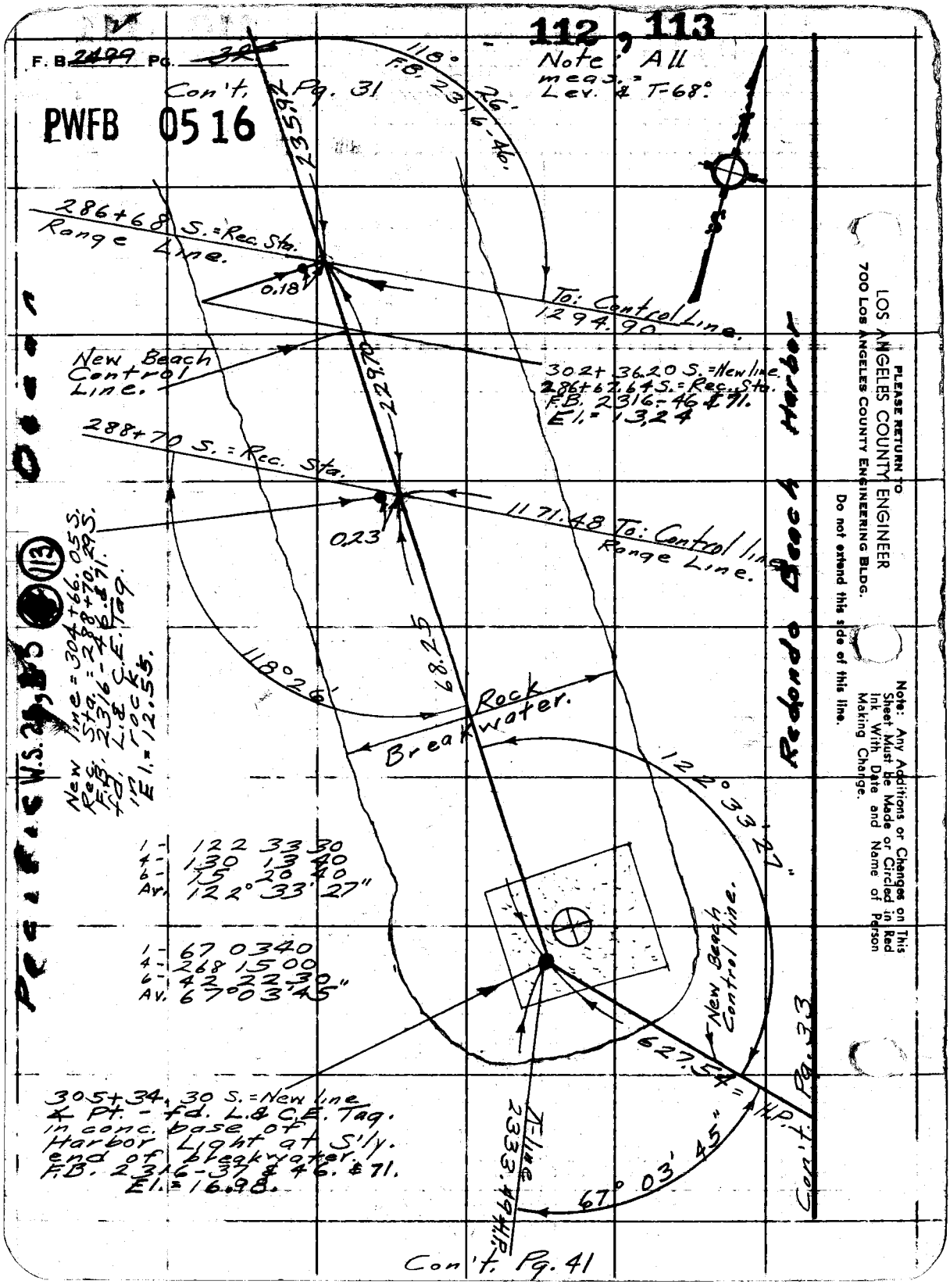
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3095 S&E #247 11-58



112, 113
F. B. 2499 Pg. 32
Con't. Pg. 31
PWFB 0516
Note: All meas. = Lev. & T-68°.
118° 26'
F.B. 2316-46.
235.92
286+68 S. = Rec. Sta.
Range Line.
0.18
To: Control Line.
1294.90
New Beach Control Line.
229.70
302+36.20 S. = New line.
286+67.64 S. = Rec. Sta.
F.B. 2316-46 & 71.
El. = 13.24
288+70 S. = Rec. Sta.
0.23
1171.48 To: Control line
Range Line.
New line = 304+66.05 S.
Rec. Sta. = 288+70.29 S.
F.B. 2316-46 & 71.
fd. L. & C.E. Tag.
in rock.
El. = 12.55.
118° 26'
68.25
Rock Breakwater.
122° 33' 27"
1 - 122 33 30
4 - 130 13 40
6 - 15 20 40
Av. 122° 33' 27"
1 - 67 03 40
4 - 268 15 00
6 - 42 22 30
Av. 67° 03' 45"
New Beach Control line.
627.54 = H.P.
305+34.30 S. = New line
& Pt. - fd. L. & C.E. Tag.
in conc. base of
Harbor Light at S'ly.
end of breakwater.
F.B. 2316-37 & 46. & 71.
El. = 16.98.
T-line
2333.49 H.P.
67° 03' 45"
Con't. Pg. 33
Con't. Pg. 41
Redondo Beach Harbor
Pacific Ocean
W.S. 25, B5
113
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700 LOS ANGELES COUNTY ENGINEERING BLDG.
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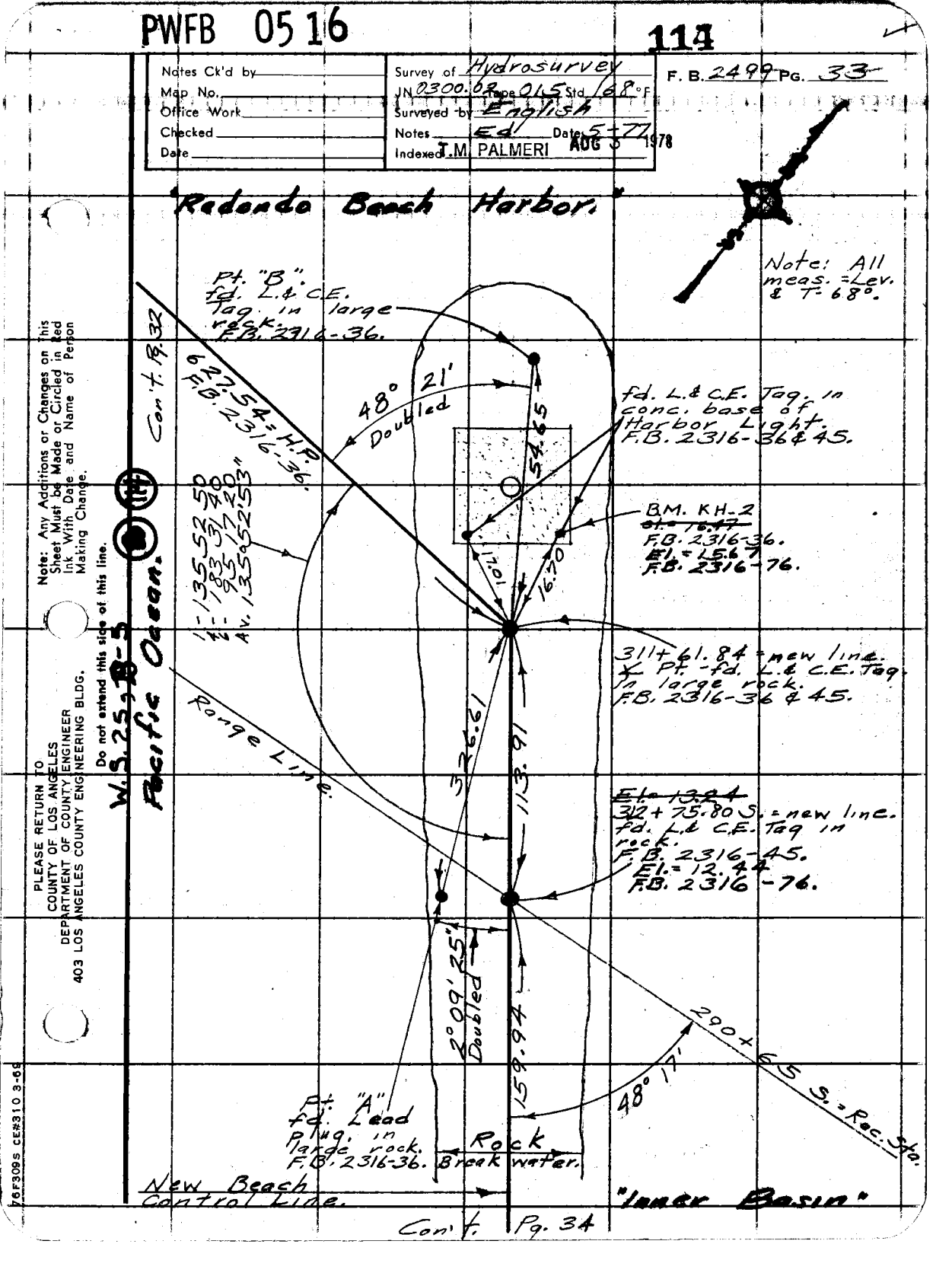
PWFB 0516

114

Notes Ck'd by	Survey of Hydrosurvey
Map No.	JN 0300.08 Tape OLS Std. 68°F
Office Work	Surveyed by English
Checked	Notes Ed! Date 5-77
Date	Indexed J.M. PALMERI AUG 3 1978

F. B. 2499 Pg. 33



PWFB 0516

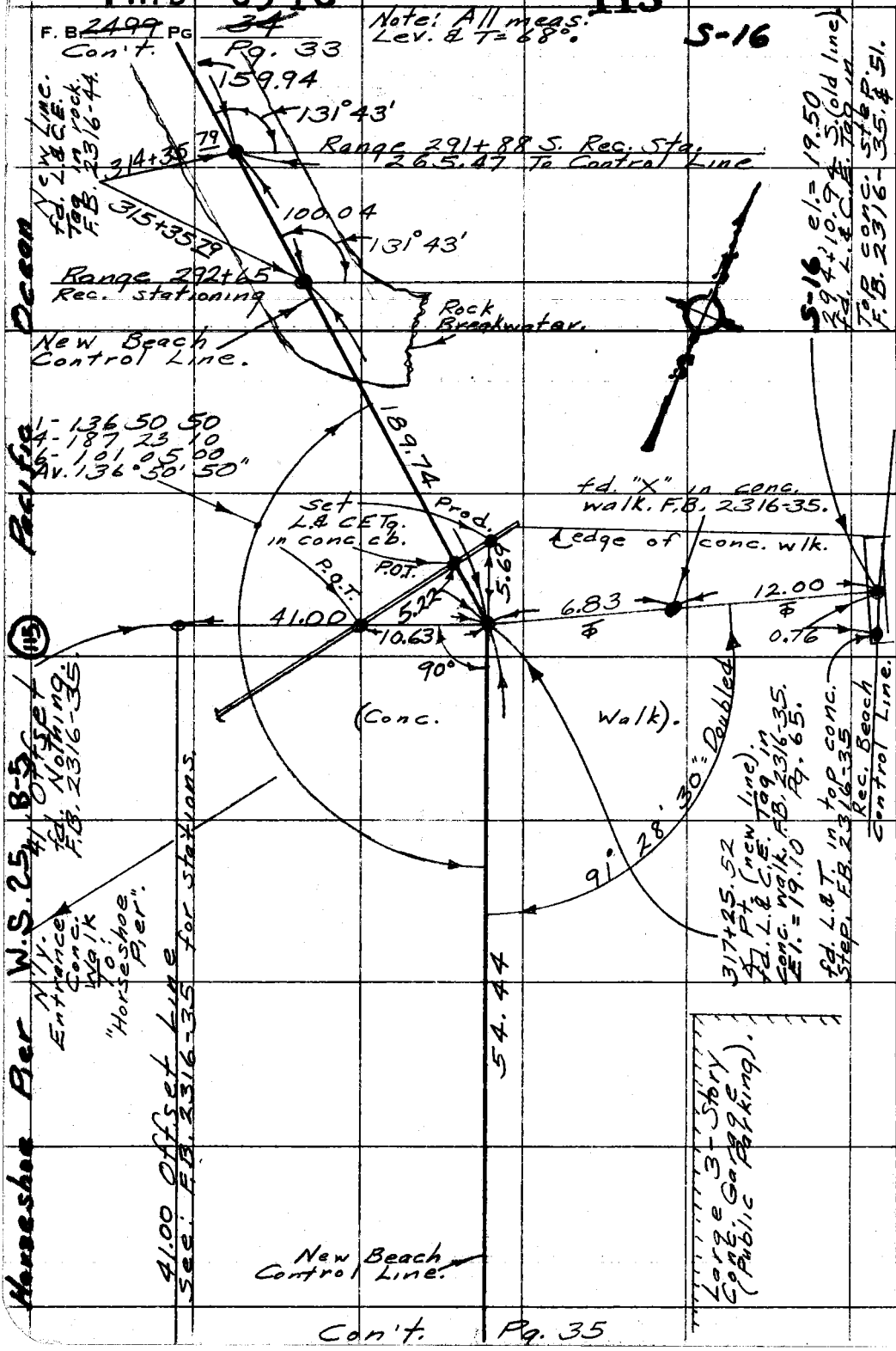
115

F. B. ~~2499~~ PG ~~34~~

Con't. Pg. 33

Note: All meas. Lev. & T = 68°.

S-16



Con't. Pg. 35

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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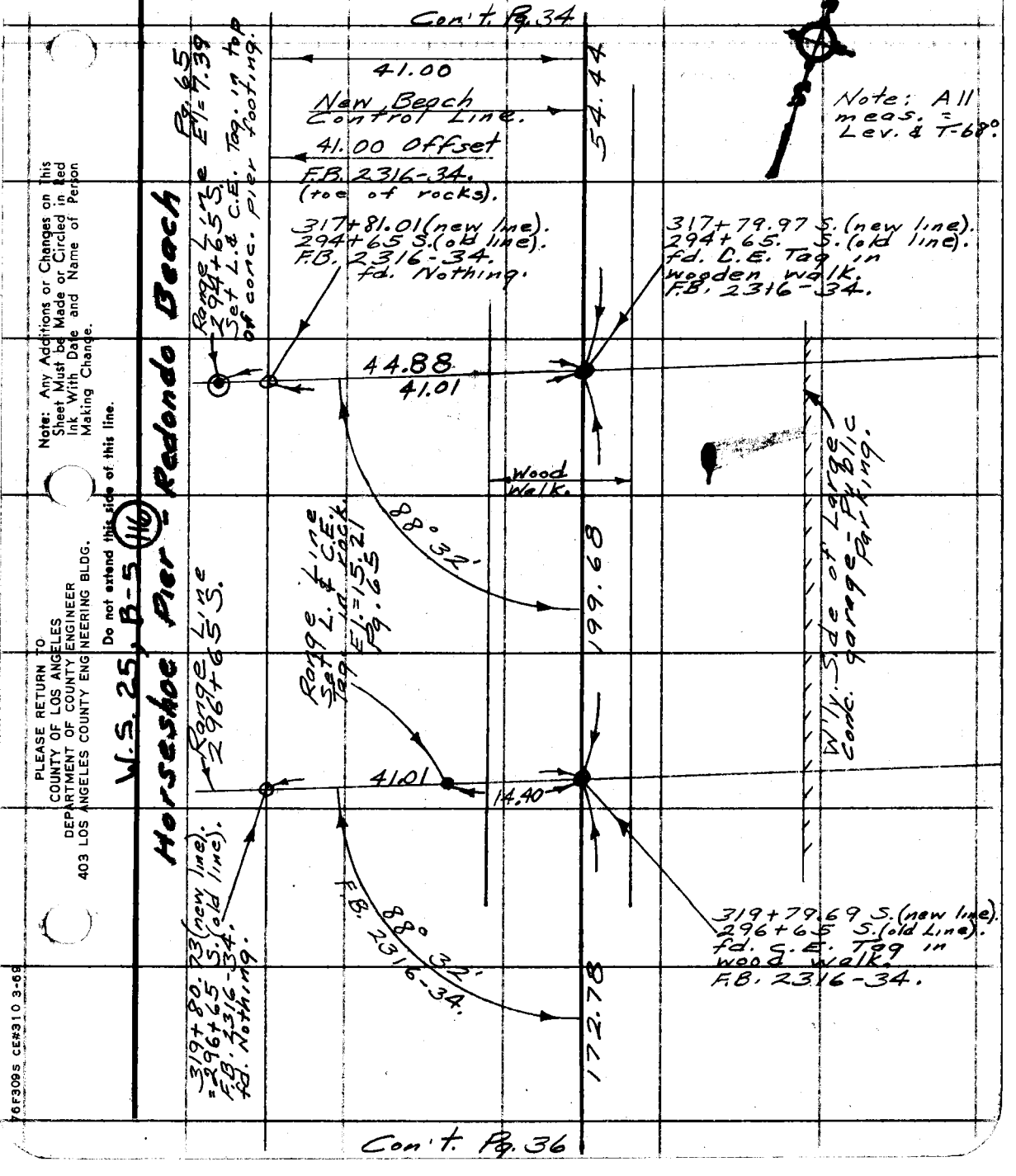
PWFB 0516

116

Notes Ck'd by	Survey of Hydrosurvey
Map No.	JN 0300.02 Tape 015 Std 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 5-77
Date	Indexed T.M. PALMERI AUG 3 1978

F. B. 2499 PG. 35



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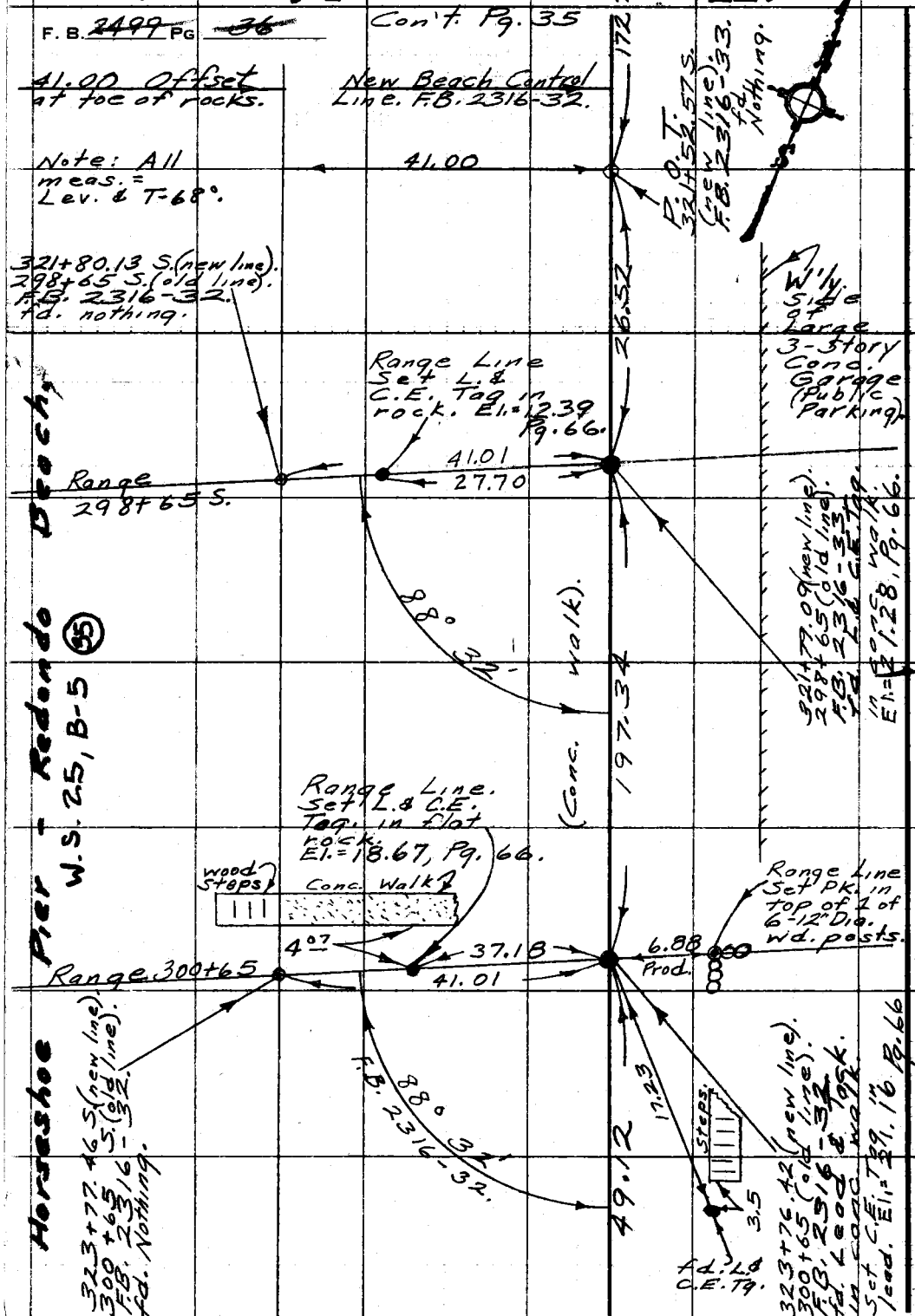
76F309S CE#310 3-69

F. B. ~~2499~~ Pg ~~36~~

Con't. Pg. 35



Con't. Pg. 37

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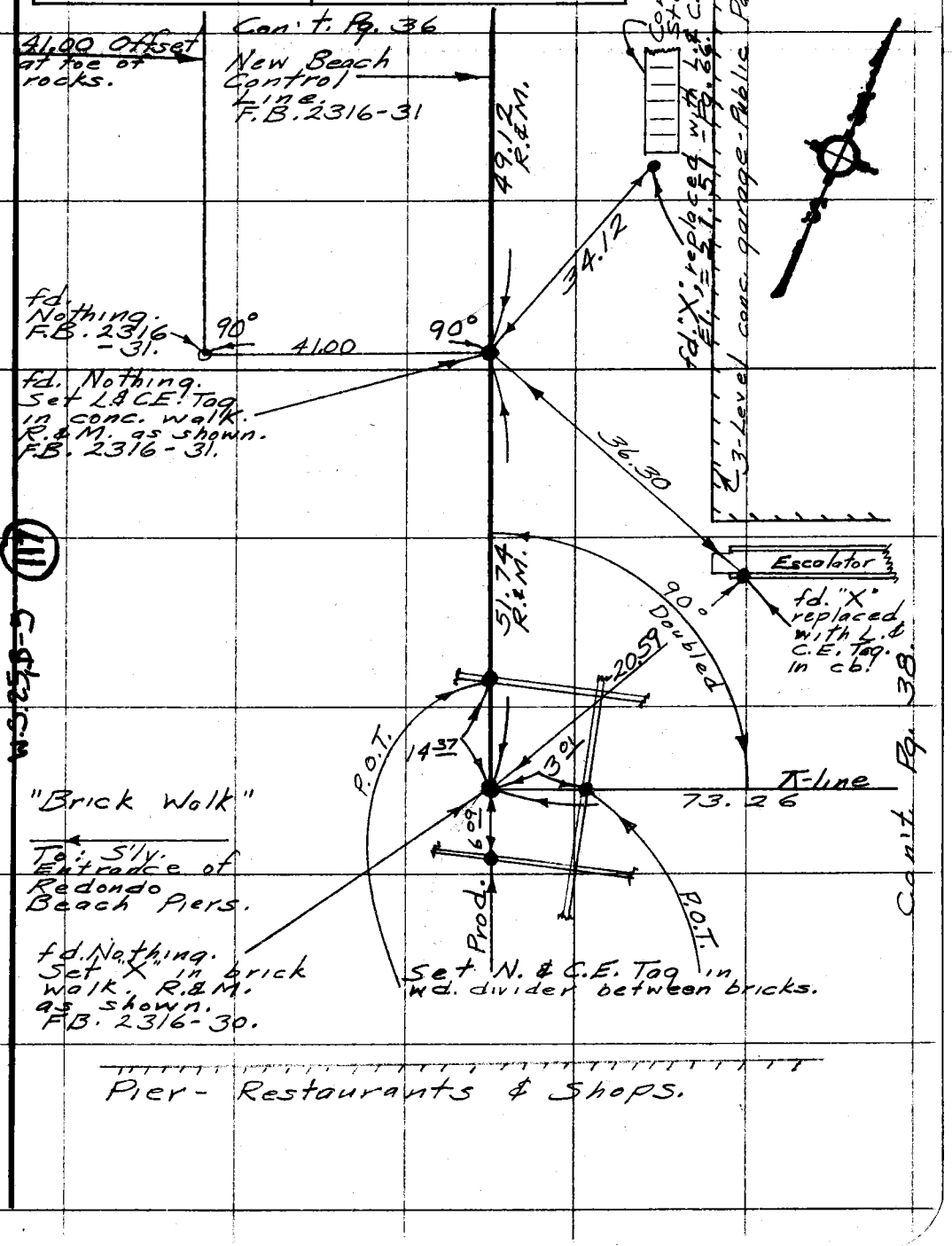
PWFB 0516

118

Notes Ck'd by	Survey of Hydrosurvey
Map No.	IN 0300.02 Tape 0.15 Std. 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 6-77
Date	Indexed T.M. PALMERI AUG 3 1978

F. B. 2499 PG. 37

Note: All meas. Lev. @ T-68°.



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

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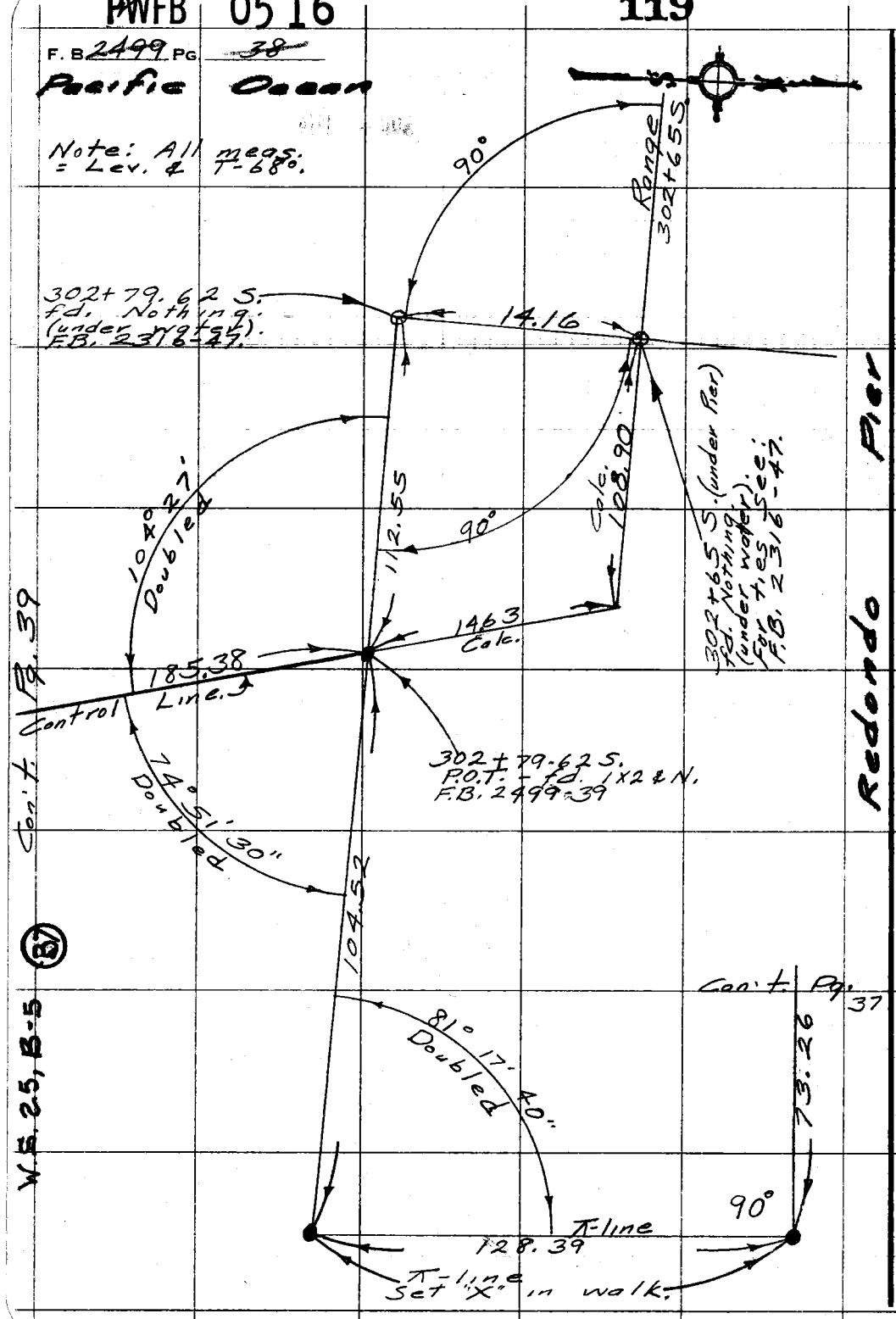
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3095 CE#310 3-69

F. B. 2499 PG 38

Pacific Ocean

Note: All meas. = Lev. & T-68°.



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403 LOS ANGELES COUNTY ENGINEERING BLDG.
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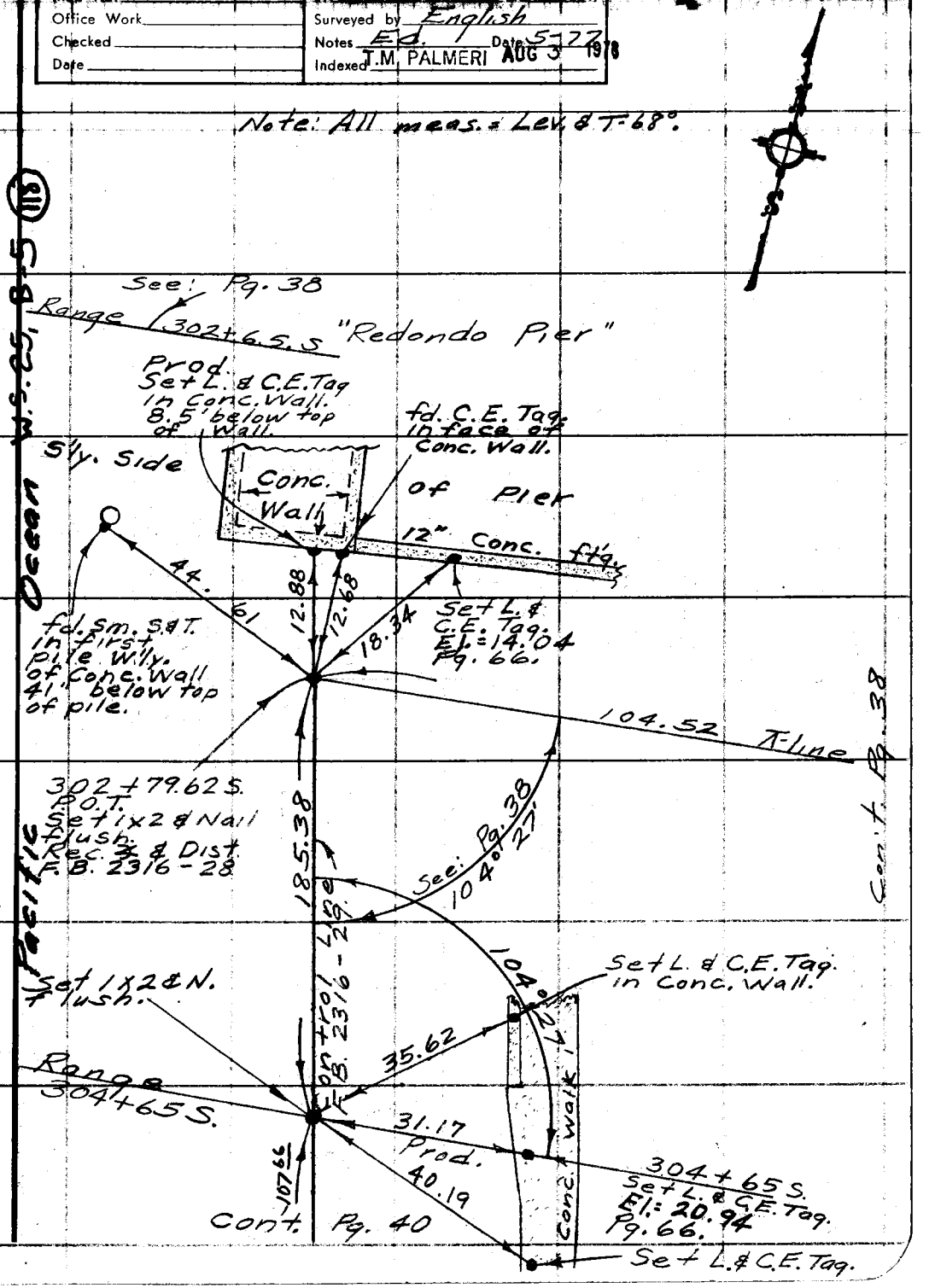
PWFB 0516

120

Notes Ck'd by	Survey of Control Line
Map No.	JN 0300.02 Tape 01.5 Std 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 5-77
Date	Indexed T.M. PALMERI AUG 3 1978

F. B. 2499 PG. 39

Note: All meas. = Lev. & T-68°.



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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 3-69

PWFB 0516

121

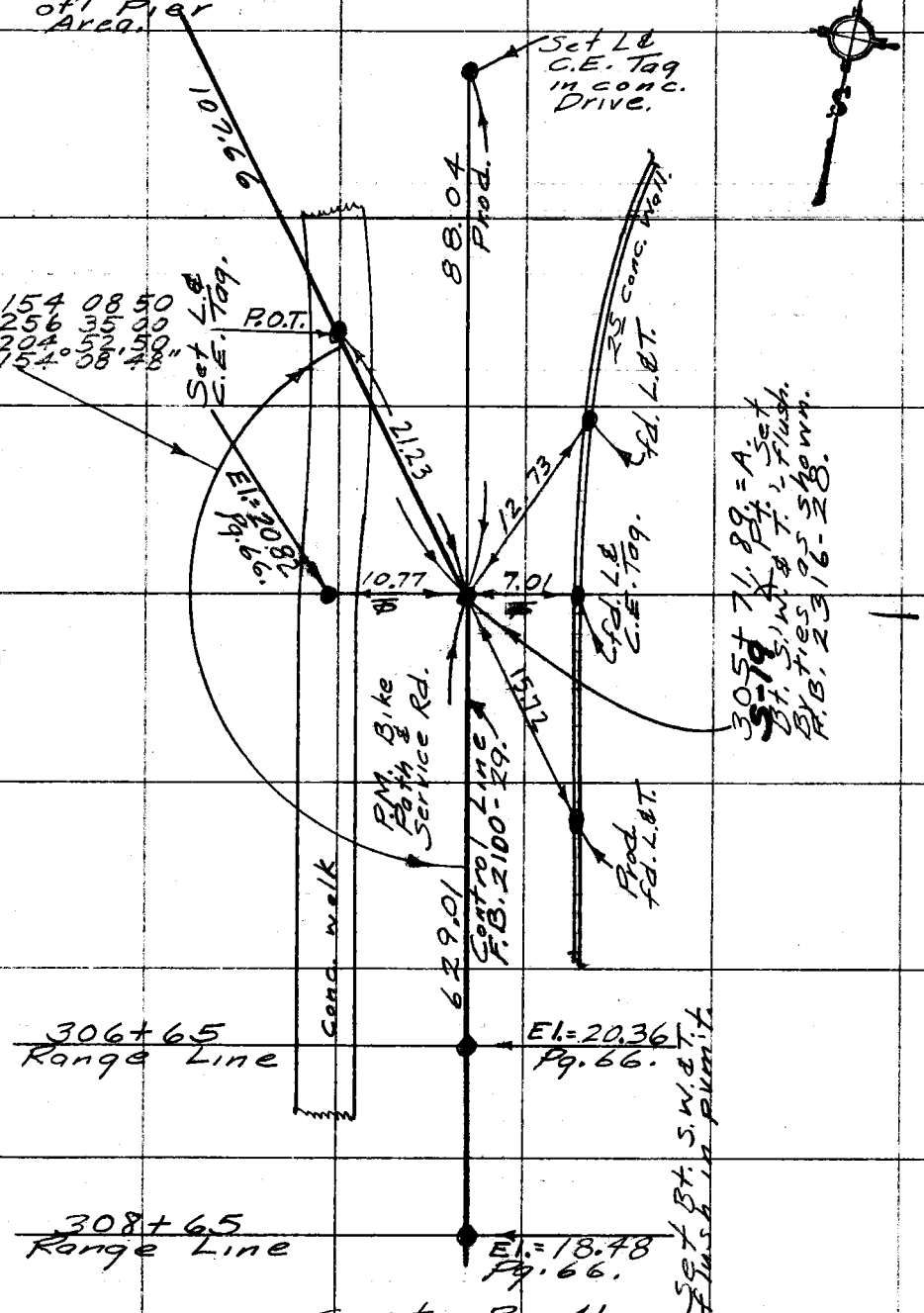
F. B. 2499 PG 40

S-19

Note: All meas.: Lev. & T=68°.

Con't. Pg. 39

To: S'ly. side of Pier Area.



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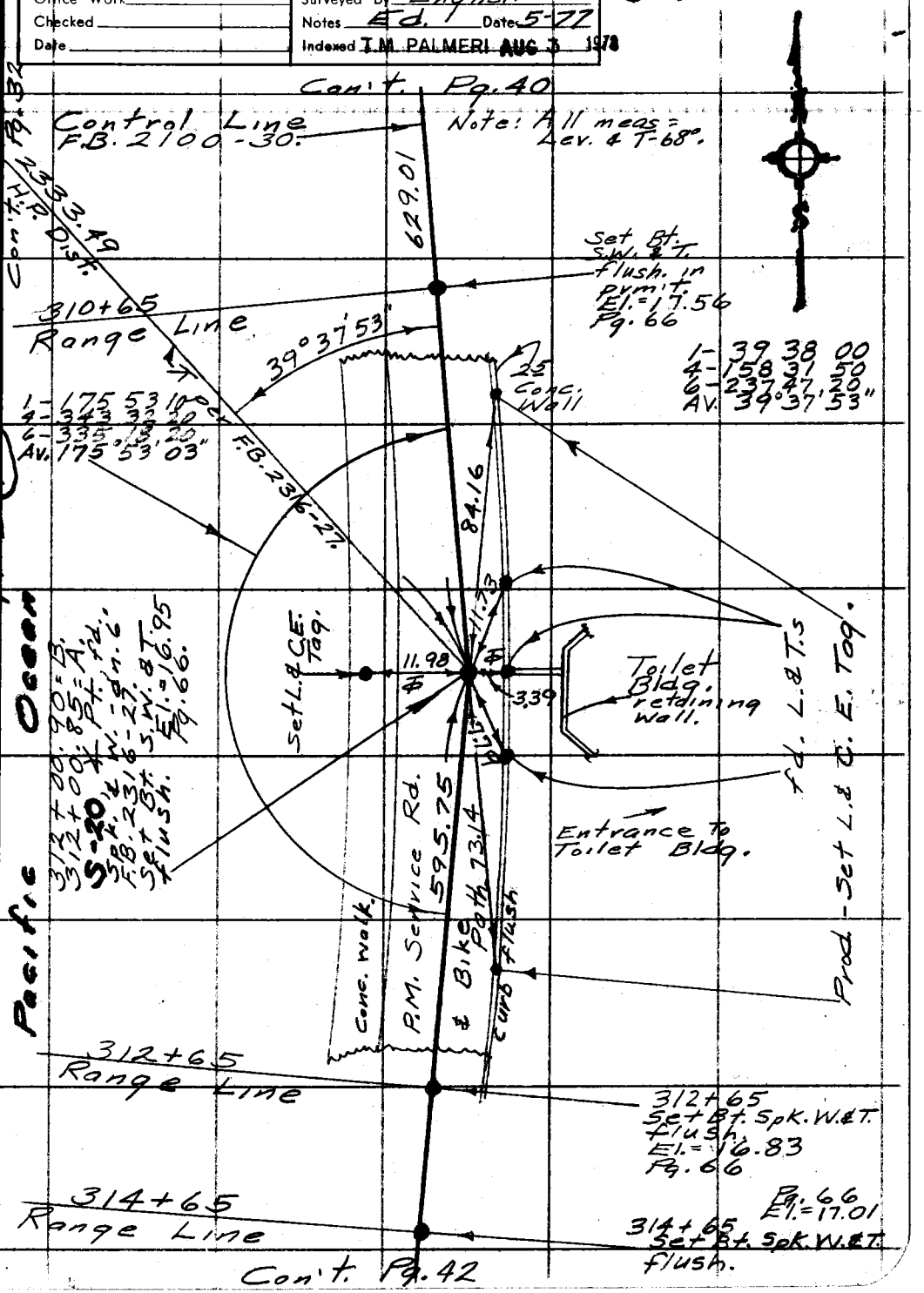
PWFB 0516

122

Notes Ck'd by	Survey of Hydrosurvey
Map No.	IN 230002 Tape 015 Std 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 5-77
Date	Indexed T.M. PALMERI AUG 3 1978

F. B. 2499 PG. 41

S-20



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

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76F309S CE#310 3-69

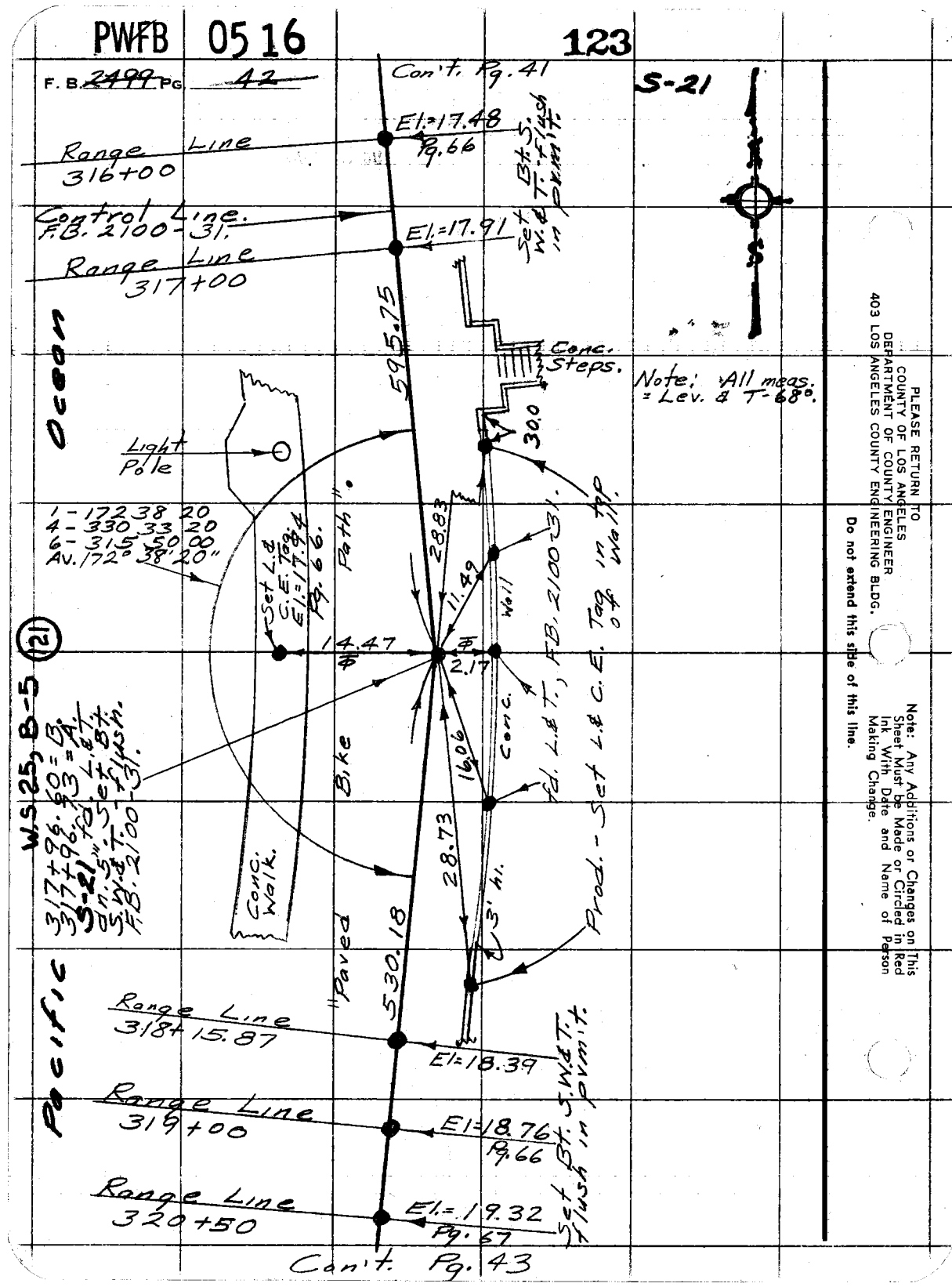
PWFB 0516

123

F. B. ~~2499~~ PG ~~42~~

Con't. Pg. 41

S-21



Con't. Pg. 43

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PWFB 0516

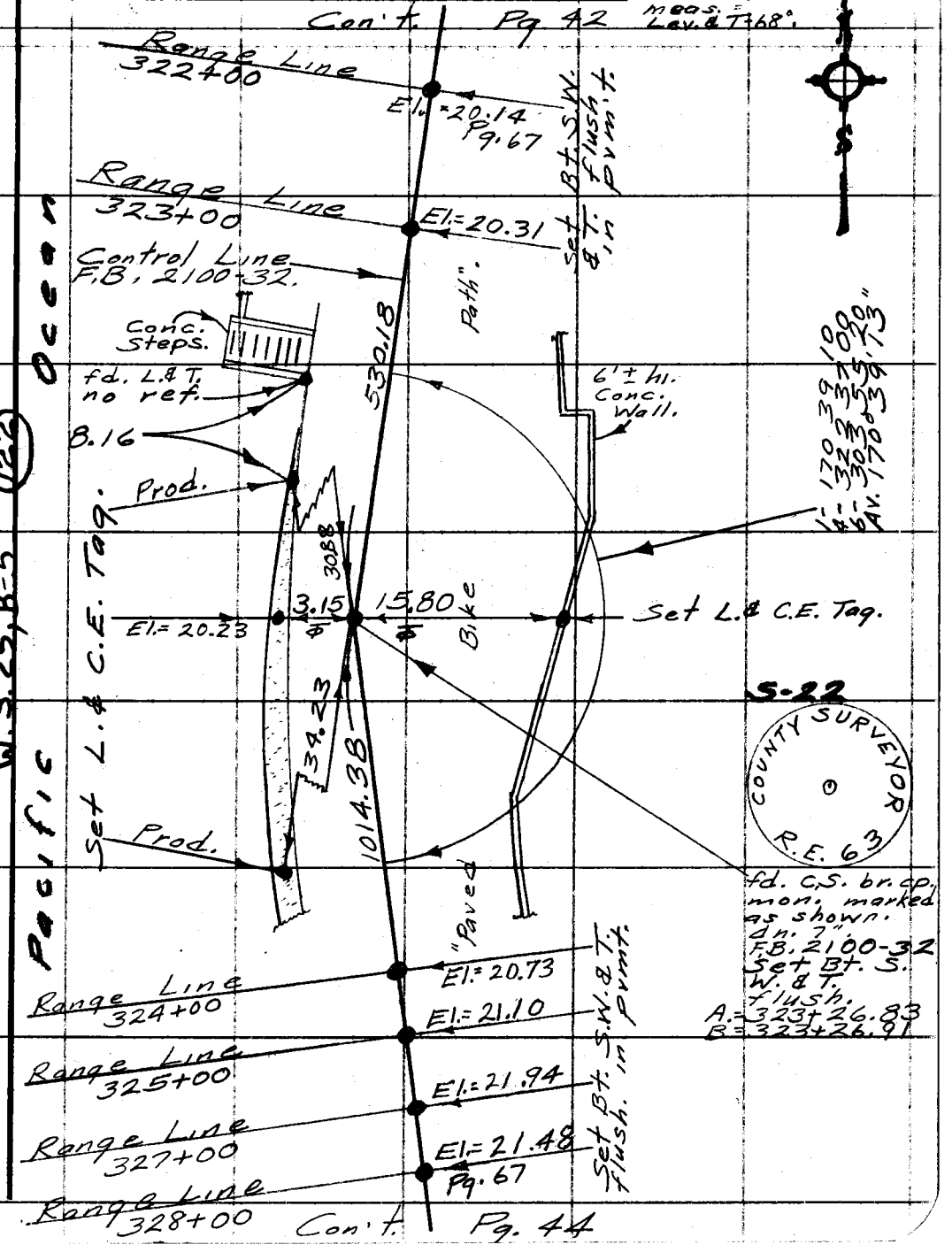
124

Notes Ck'd by	Survey of Control Line
Map No.	IN 0300.02 Tape 215 Std. 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 6-77
Date	Indexed T.M. PALMERI AUG 3 1978

F. B. 2499 PG. 43

S-22

Note: AN meas. = Lev. & T=68°.



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

Do not extend this side of this line.

W.S. 25, B-5 (122)

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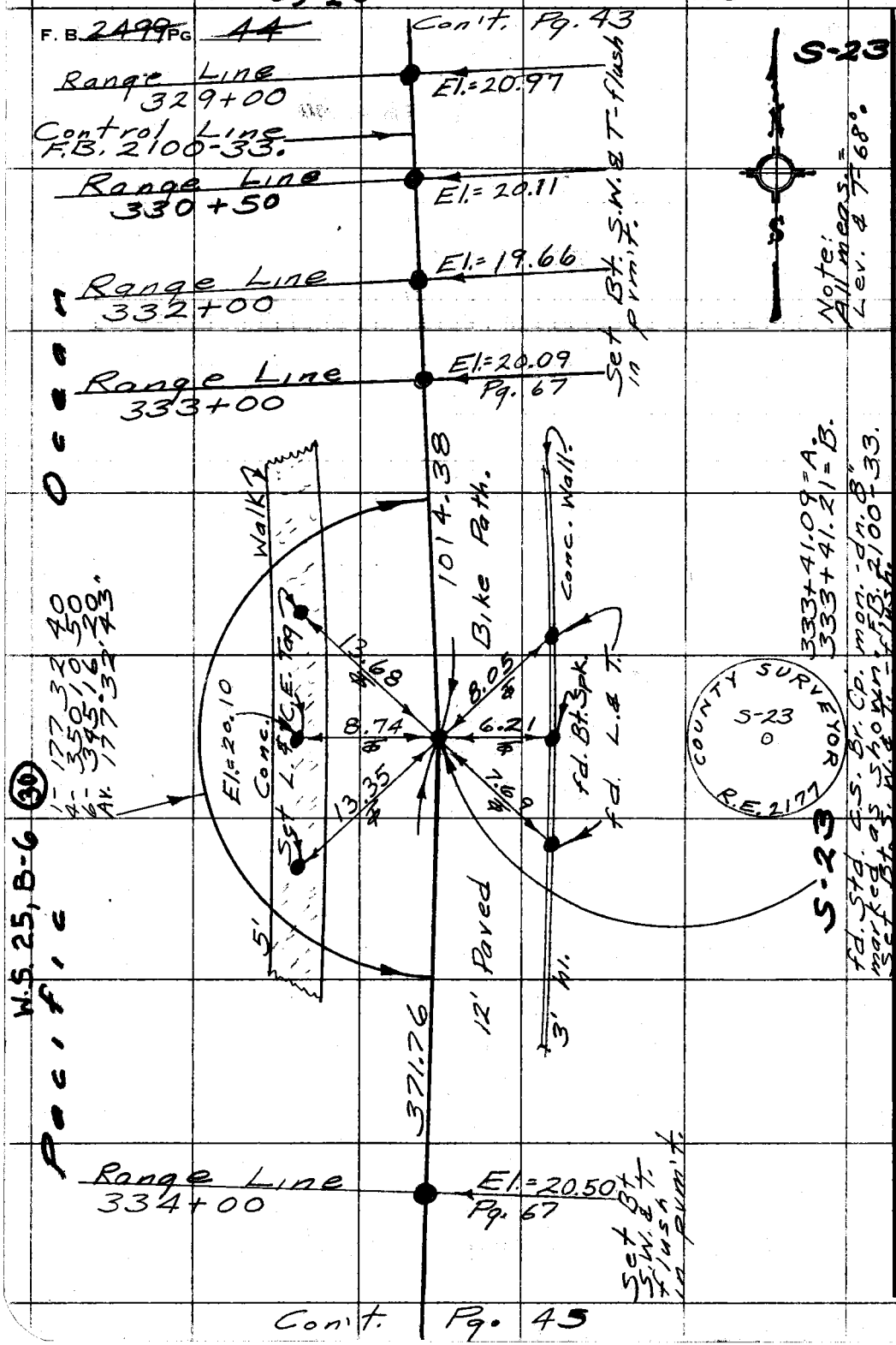
DEPARTMENT OF COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 3-69

F. B. ~~2499~~ PG ~~44~~



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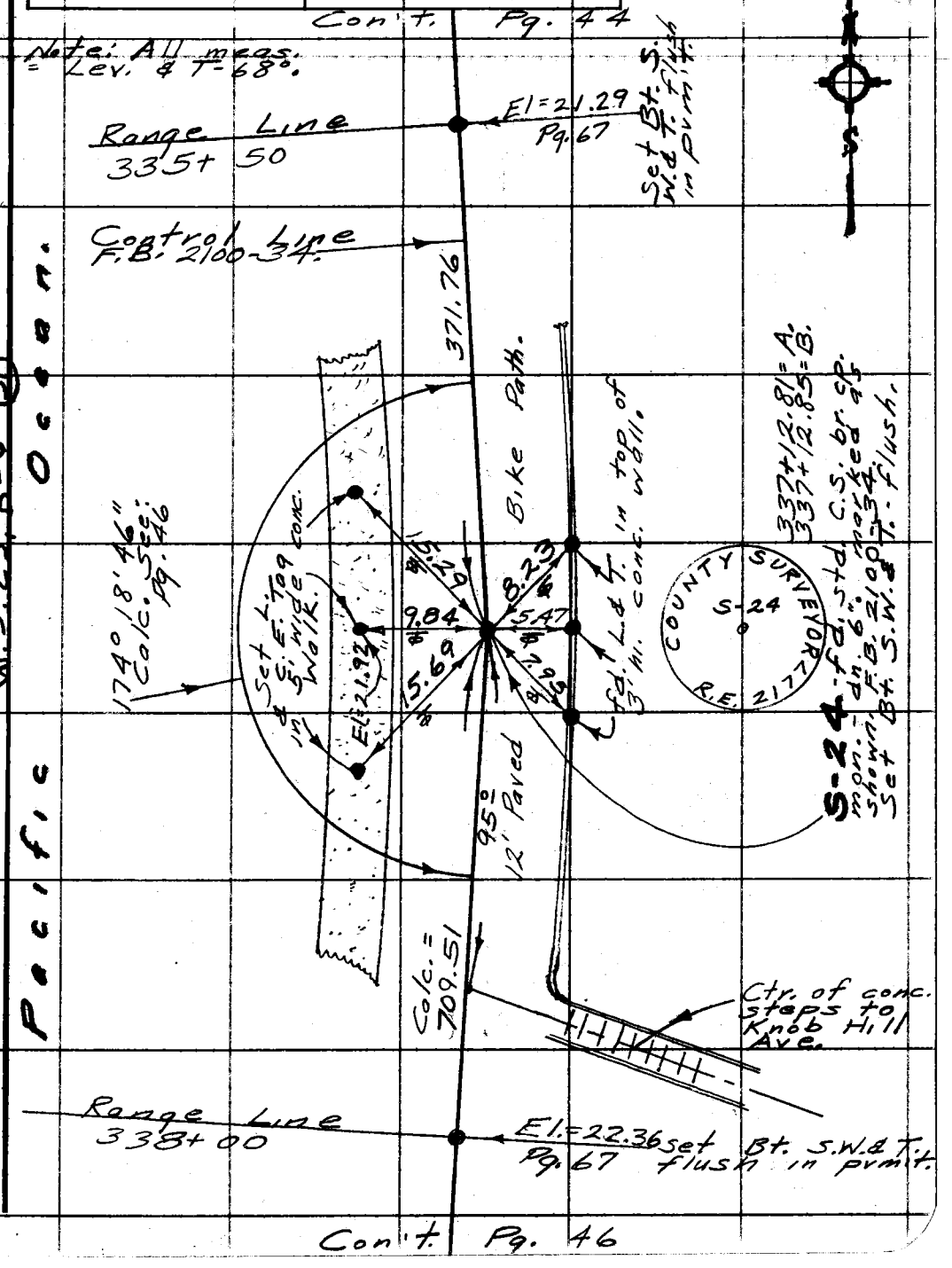
PWFB 0516

126

Notes Ck'd by	Survey of Control Line	F. B. 2499 Pg. 45
Map No.	JN 0300.02 Tape 0.15 Std. 68 °F	S-24
Office Work	Surveyed by English	
Checked	Notes Ed. 1 Date 6-77	
Date	Indexed J.M. PALMERI AUG 3 1978	



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

Do not extend this side of this line.

W.S. 25 B-6 (3)

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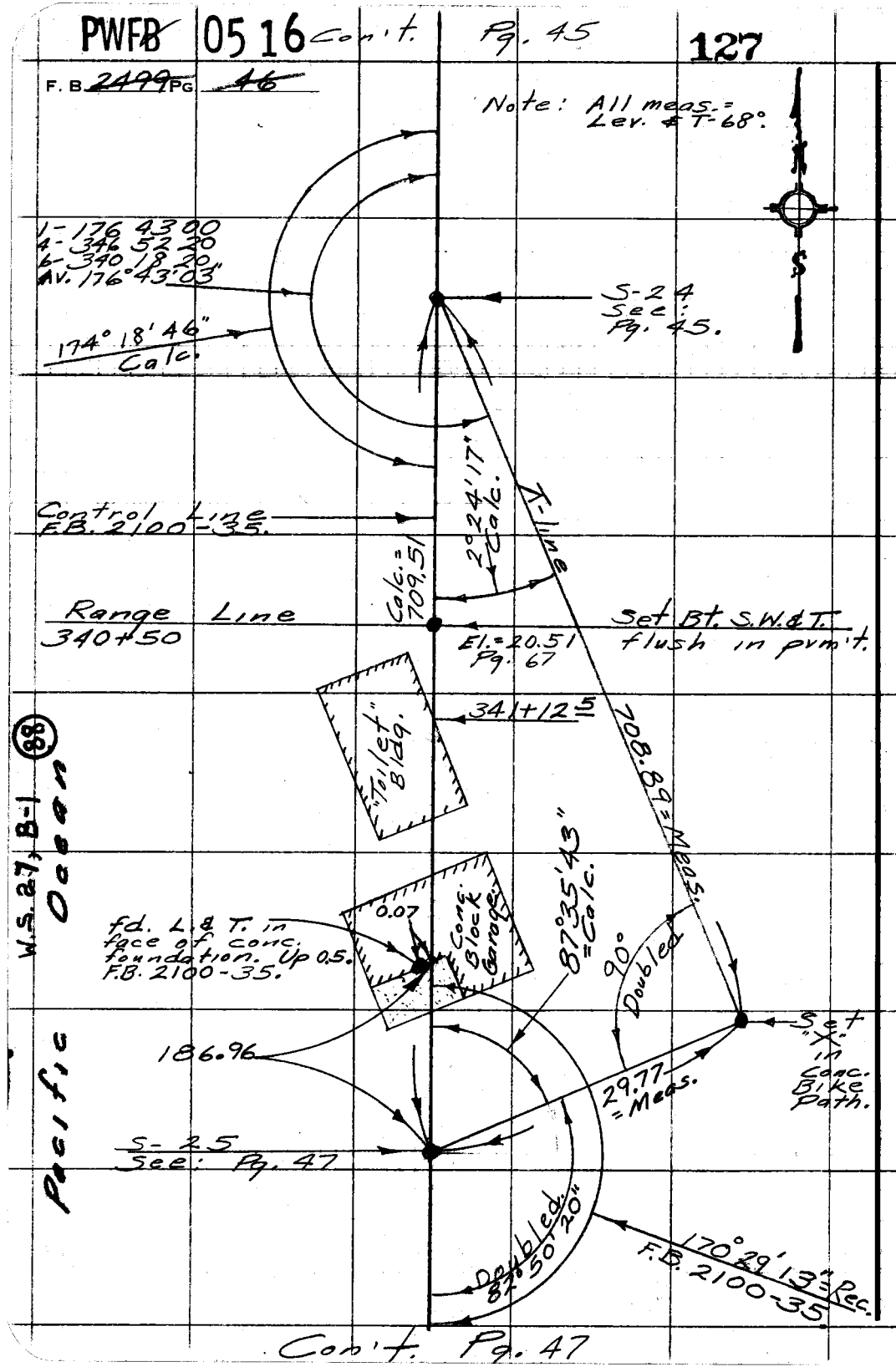
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 3-69

F. B 2499 PG 46

Note: All meas. = Lev. & T-68°.



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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.

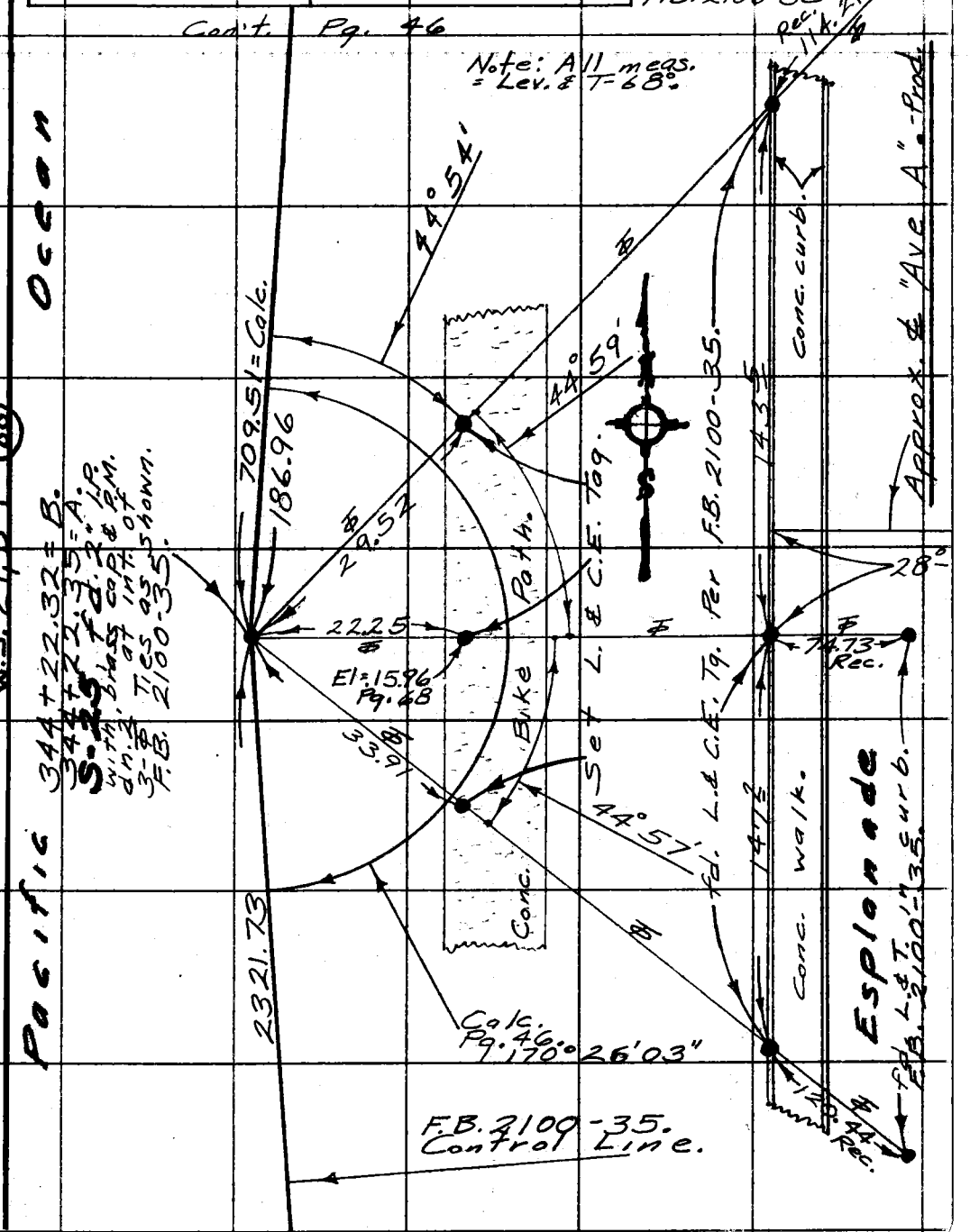
Con't. Pg. 47

PWFB 0416 66

Notes Ck'd by	Survey of Control Line
Map No.	JN 0300.02 Tape 015 Std 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 6-77
Date	Indexed T.M. PALMERI AUG 3 1978

F. B. ~~2499~~ PG. ~~47~~

S-25



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

Do not extend this side of this line.

W.S. 27, B-1 (88)

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 3-69

PWFB 0416

F. B. ~~2499~~ PG ~~48~~

Con't. Pg. 47

Control Line
F.B. 2100-35.

Note: All meas. = Lev. & T-68°.

N
S

Range Line
348+00

Set L.& C.E. Tag. 1' West of Ctr. conc. Bike Path. El. = 14.50 Pg. 68

Range Line
353+00

Set L & C.E. Tag in conc. Bike Path. El. = 14.95 Pg. 68.

To: Ave. "C".

W.S.27, B-1 (88)

Ocean

2321.73

Conc. Ramp.

Conc. Ramp.

354+22.08
P.O.T. - Fd. L.& C.E. Tg. in conc. deck.
F.B. 2100-35.
El. = 20.60
Pg. 68

33°

2°

Conc. Parking Deck.

County Life Guard Station & Toilets.

Conc. Bike Path

Conc. Ramp.

Pacific

Esplanade

Range Line
358+00

El. = 15.73
Pg. 68

Set L.& C.E. Tag. edge W'ly. Bike

Range Line
363+00

5.00

90°

El. = 14.96
Pg. 68

Set L.& C.E. Tag. near W'ly. edge of conc. Bike Path.

Con't. Pg. 49

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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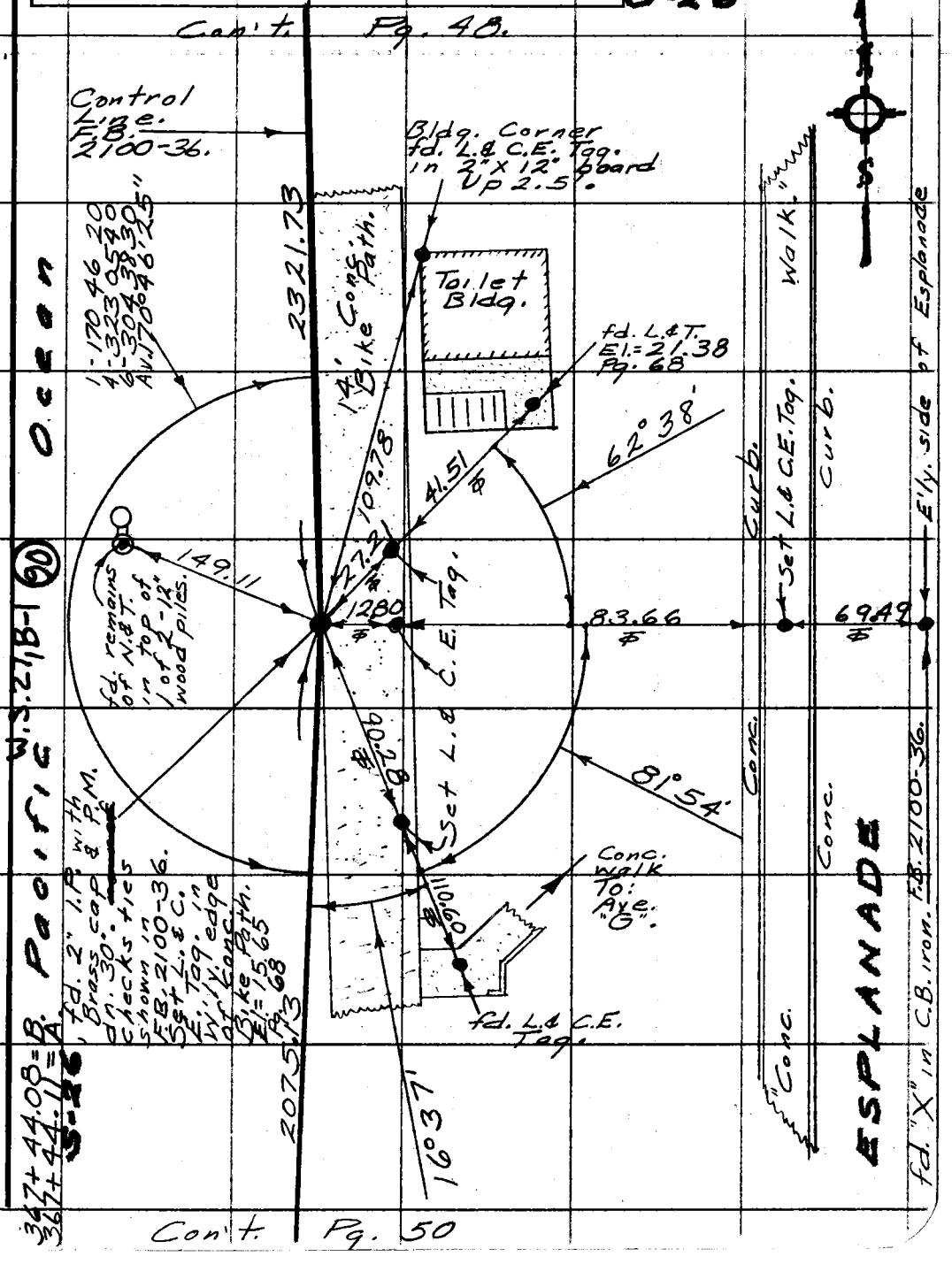
PWFB 0416

68

Notes Ck'd by	Survey of Control Line	F. B. ~~2499~~ PG. ~~49~~
Map. No.	JN 030002 Tape 015 Std 68 °F	Note: All Meas. = Lev. & T-68°
Office Work	Surveyed by English	
Checked	Notes Ed. Date 6-77	
Date	Indexed T.M. PALMERI AUG 3 1978	

S-26



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

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 3-69

PWFB 0416

F. B. ~~2499~~ PG ~~50~~

367+44.08=B.
367+44.11=A.
S-26, L.& C.E. Tag. Pg. 49

69 70

Con't. Pg. 49

Note: All meas.= Lev. & T-68°.

El.=16.15
Pg.68
10' Offset
368+00
Set L.& C.E. Tag. in conc. Bike Path. 1.5' E. of W. edge of conc.

368+00
Set 1X2 & N.

90°

10.00

Control Line.
F.B. 2100 - 36 & 37.

373+00
Set 1X2 & N.

90°

50.00

50' Offset
373+00
Set L.& C.E. Tag in conc. Bike Path. 2.5' E. of W. edge of conc.
El.=16.34
Pg. 69.

2075.13

B-1 (91)

Ocean

378+00
Set 1X2 & N.

90°

50.00

50' Offset
378+00
Set L.& C.E. Tag in conc. Bike Path. 6.6' E. of W. edge of conc.
El.=16.34
Pg. 69

W.S. 27

Pacific

El.=15.50 Pg.69
25' Offset
383+00
Set L.& C.E. Tag in conc. Bike Path. 0.5' E. of W. edge of conc.

383+00
Set 1X2 & N.

25.00

388+19.08=A.
S-27, L.& C.E. Tag. Pg. 51.

Con't. Pg. 51.

388+19.24=B.

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PWFB 0416

71

Notes Ck'd by	Survey of Control Line
Map No.	IN 0300.02 Page 015 Std. 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 6-77
Date	Indexed T.M. PALMERI AUG 3 1978

F. B. ~~2499~~ PG. ~~51~~

S-27

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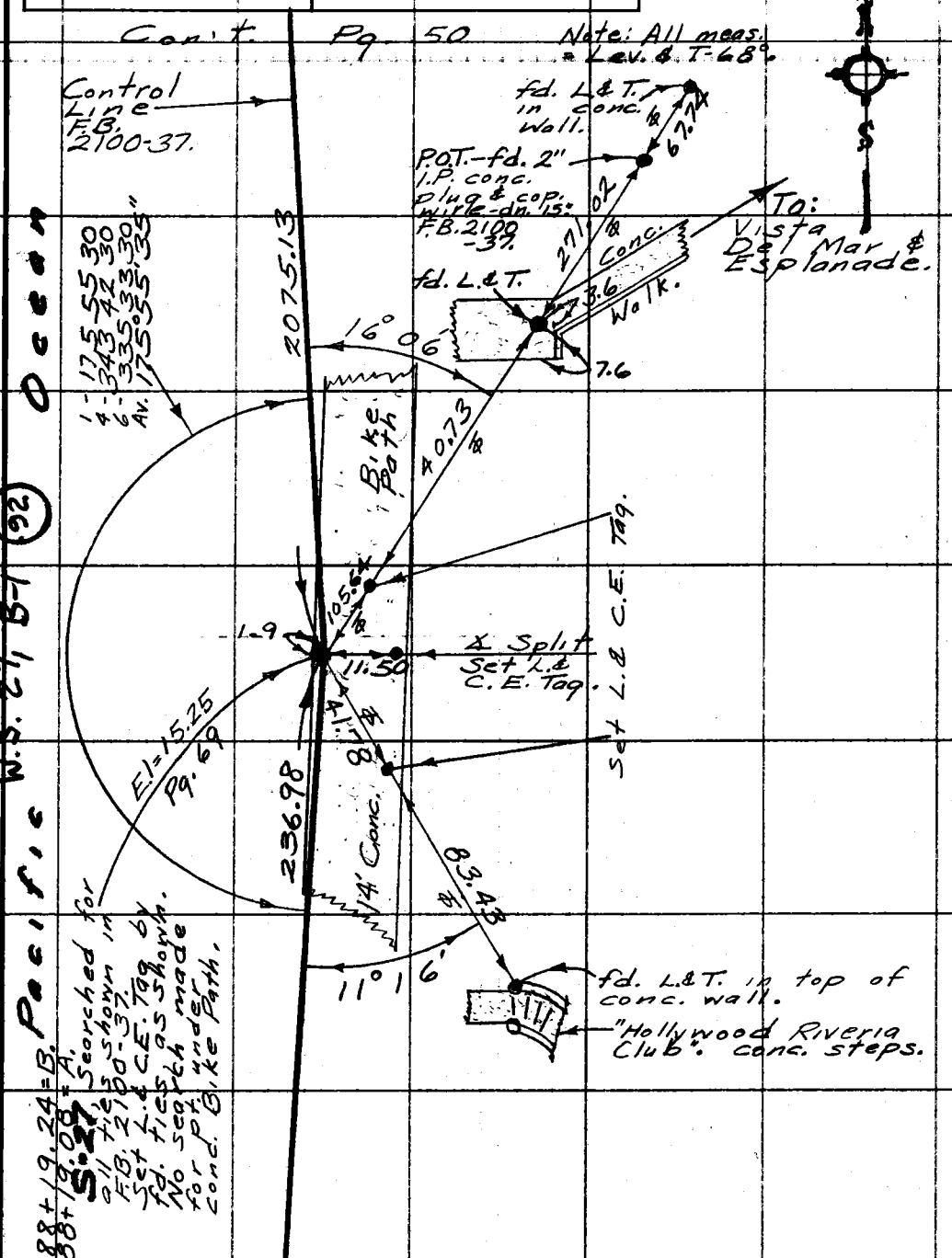
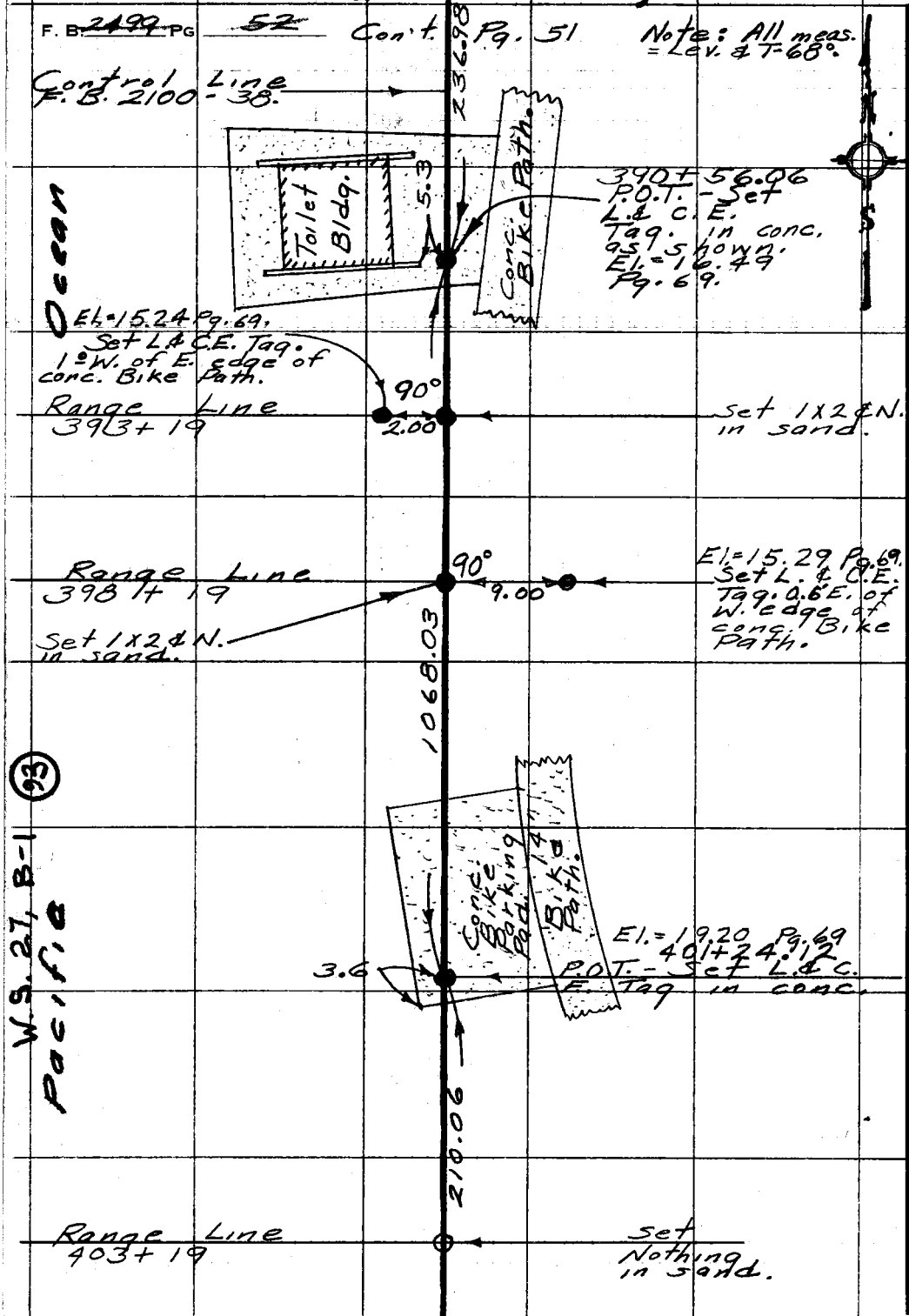


76F309S CE#310 3-69

PWFB 0416 72, 73

F. B. ~~2499~~ PG ~~52~~ Con't. Pg. 51

Note: All meas. = Lev. & T-68°.



W.S. 27, B-1

Pacific

93

Con't. Pg. 53

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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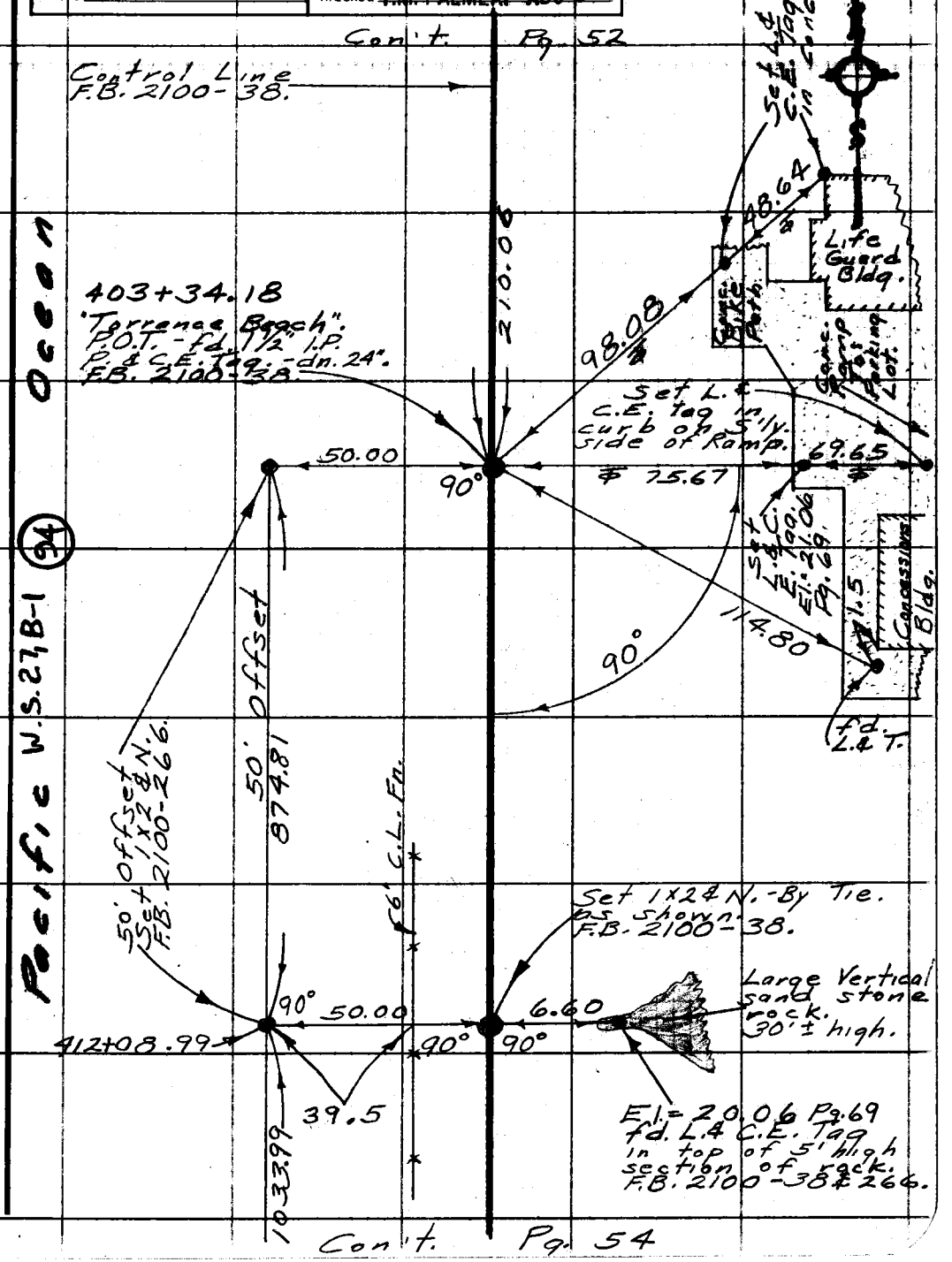
PWFB 0416 74, 75

Notes Ck'd by	Survey of Control Line	F. B. ~~2499~~ Pg. ~~53~~
Map No.	JN 0300.02 Tape 015 Std. 68 °F	Note: All meas. Lev. & T-68°.
Office Work	Surveyed by English	
Checked	Notes Ed. Date 6-77	
Date	Indexed T.M. PALMERI AUG 3 1978	

Con't. Pg. 52



Con't. Pg. 54

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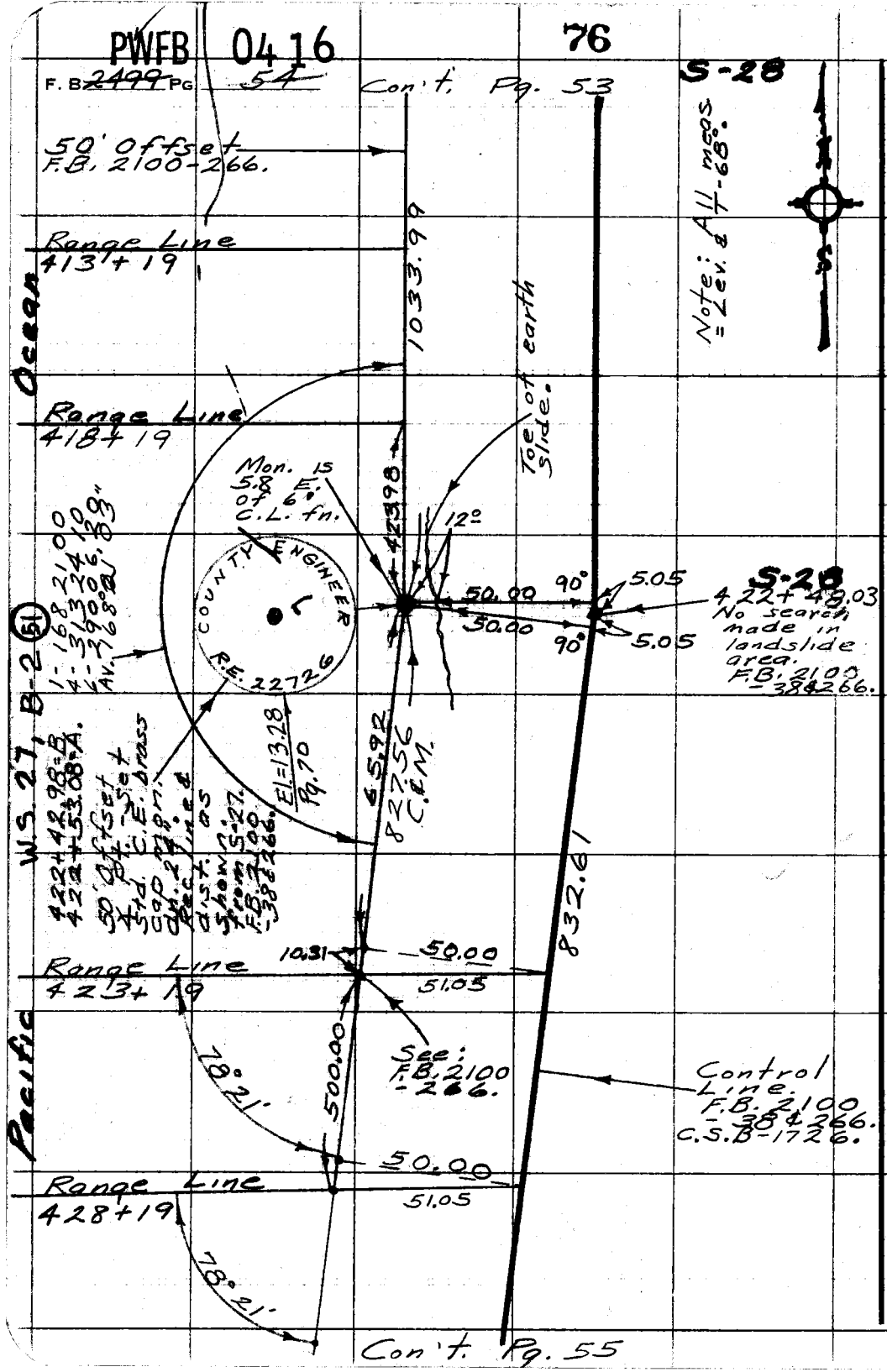
76F309S CE#310 3-69

F. B. 2499 PG 54



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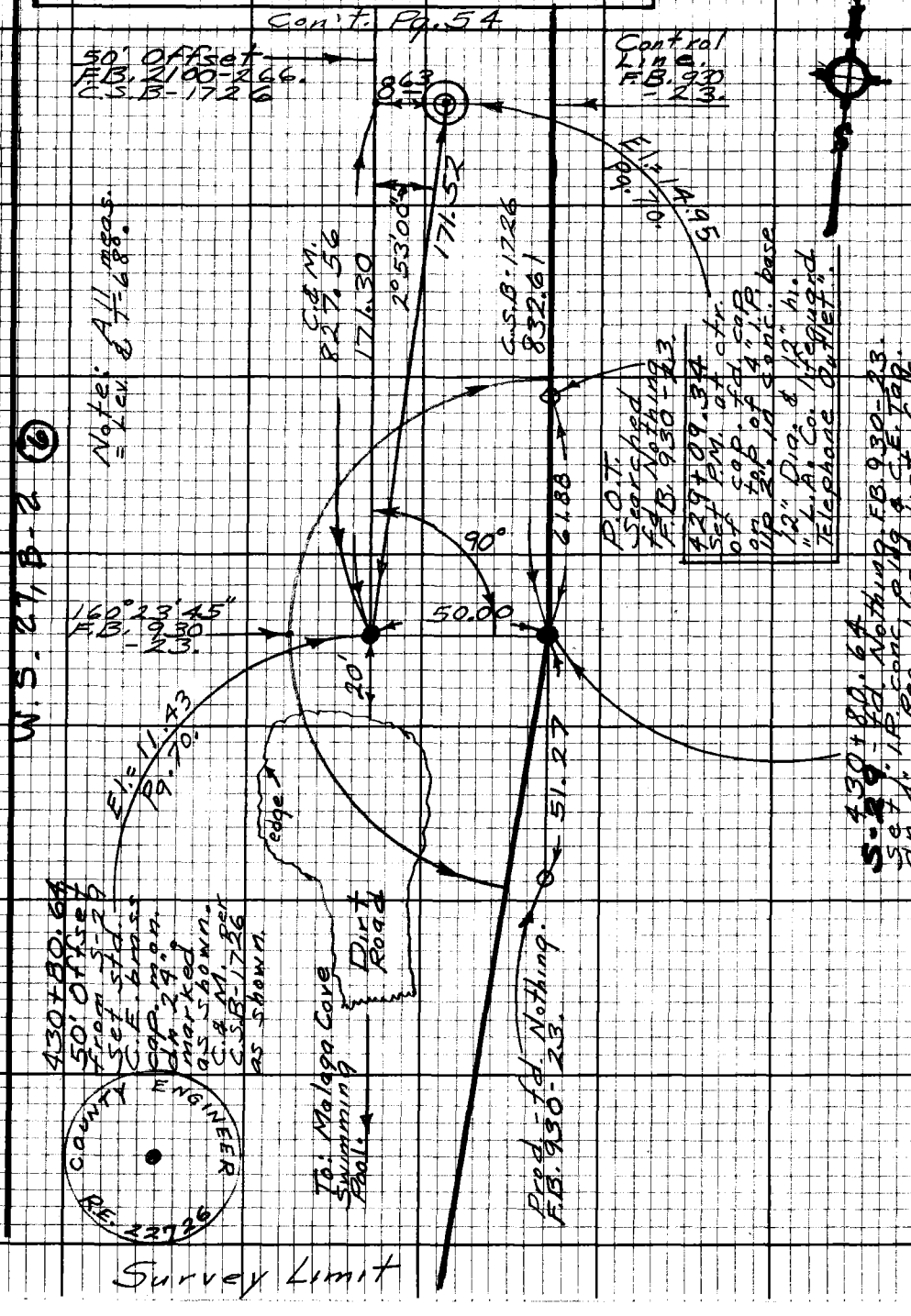
PWFB 0416

77

Notes Ck'd by	Survey of Control Line
Map No.	JN 030002 Tape 015 Std 68 °F
Office Work	Surveyed by English
Checked	Notes Ed Date 6-77
Date	Indexed T.M. PALMERI AUG 3 1978

F.B. 2499 PG. 55

S-29



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76F3098 CE#310 9/67

PWLB 0815

0300.02

24

F. B. 2499 PG. 57

Profile No. | Notes Red | Plotted | Job No. | Division No.
Date | Date | Survey of Control Line
X-Sec. No. | Notes Chk'd. | Checked | Survey by English Notes Ed Date 7-7-7 AUG 3 1978
Date | Date | Map No. | Indexed T.M. PALMERI Date

HYDROSURVEY
CONTROL LINE

J.N. 0300.02

Bench Levels
Datum = M.L.L.W.

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

July 7, 1977
English
Caro
Stroud
Bradley

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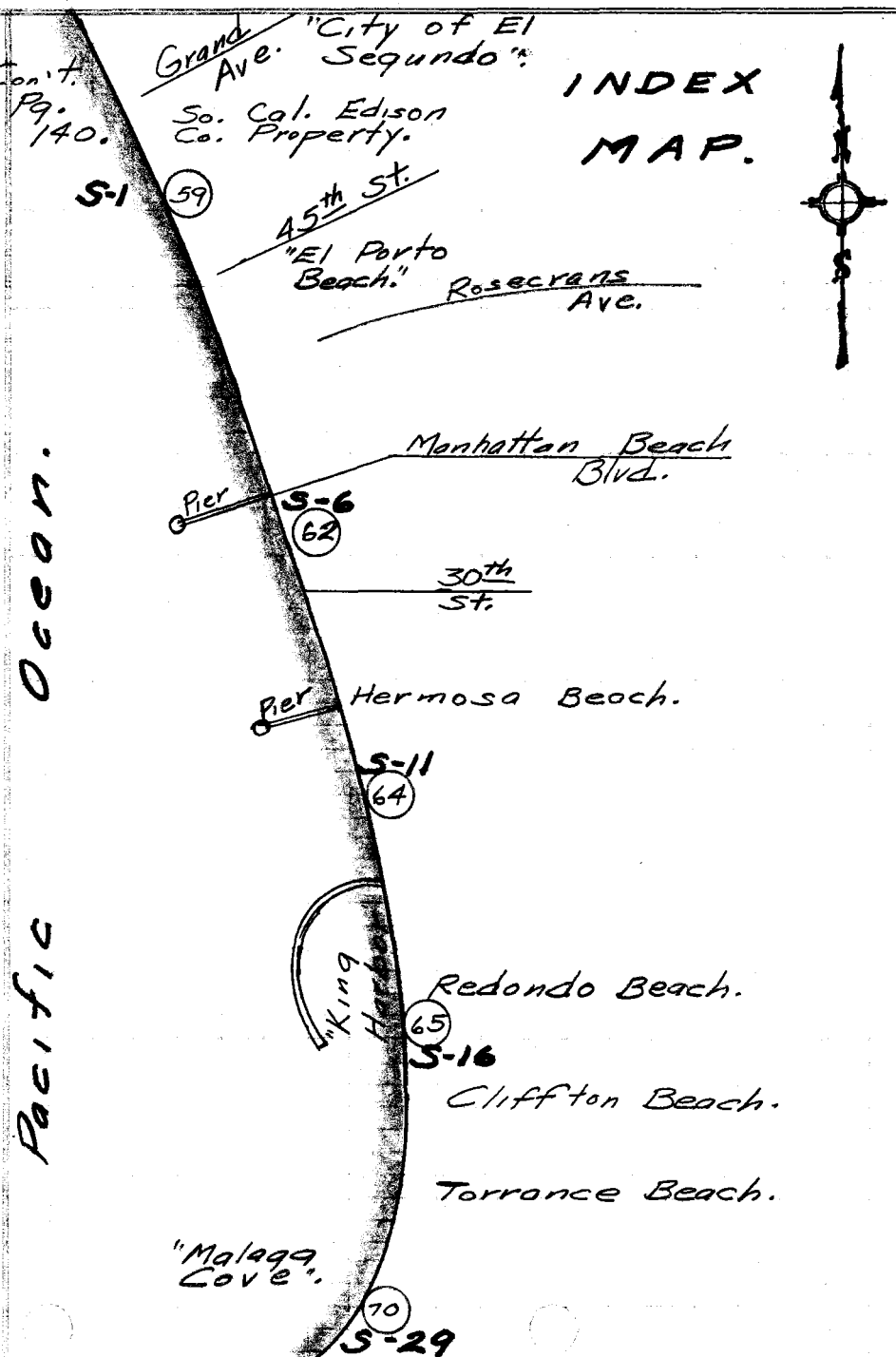
76-L-298 CE 307 5-66

F. B. 2499 Pg. 58 | 0300.02 Job No. Division No. PWLB 0815 Notes Rec. Plotted 25, 26, 27, 28 Profile
Survey of Control Line Date Date No.
Survey by English Notes Ed. Notes Chk'd. Checked X-Sec.
Indexed Date Date Date No.



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

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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76-L-298 CE 307 5-66

76-L-298 CE 307 5-66

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Control Line - Station Elev.s
T.B.M. Fd.	5 565	24 705		19 140	Bt. S.W. & T. - Tie in Bike Path pvm't. Tie is 18.66 from 0+00 N.&S. 215.62 offset point. F.B. 2100-260 F.B. 2807-84.
set T.B.M. #1	5 526	24 809	5 422	19 283	L. & C.E. Tag tie in conc. strip between 8' c.L. fn. & Pike Path pvm't. Tie is 73.10 N.E. from 0+00 N.&S. 240.62 offset point as shown in F.B. 2499-7.
Datum = M.L.L.W.					
T.P.	6 402	25 424	5 787	19 022	
T.P.	6 055	26 565	4 914	20 510	
T.P.	4 663	24 872	6 356	20 209	
10+00	5 845	25 733	4 984	19 888	Bt. S.W. & T. - Pg. 8
12+50	5 927	27 028	4 632	21 101	L. & C.E. Tag - Pg. 8
15+00	3 532	25 038	5 522	21 506	Bt. S.W. & T. - Pg. 8
17+50	6 127	25 900	5 265	19 773	" " " - " "
20+00	5 268	25 801	5 367	20 533	" " " - " "
22+50	5 606	25 459	5 948	19 853	" " " - " 9
25+00	5 300	24 876	5 883	19 576	" " " - " "
∡ Pt.	5 688	25 211	5 353	19 523	" " " - " " 26+15.57=A. 26+10.66=B.
27+50			5 158	20 053	" " " - " "

29

Profile No. ____ Date ____ Notes Chk'd. ____ Date ____ Notes Red. ____ Date ____ Job No. 0300.02 Division No. ____ Survey of Control Line Recovery Survey by English Notes Ed. Date 7-7-77 Map No. ____ Indexed T.M. PALMERI Date AUG 3 1978

PWLB 0815

F.B. 2499 Pg. 59

76-L-298 CE 307 5-66

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Control Line-Station Elevations.
27+50	6 254	26 307		20 053	
30+00	6 423	27 725	5 005	21 302	Bt. S.W. & T. - Pg. 9
32+50	5 642	28 433	4 934	22 791	" " " - Pg. 10
T.P.	5 656	28 649	5 440	22 993	
"	6 086	29 178	5 557	23 092	**Datum = M.L.L.W.**
"	3 913	27 769	5 322	23 856	
42+42.88=A	4 444	25 198	7 015	20 754	See: Pg. 10 L. & C.E. Tag in conc. Bike Path. 42+42.88=A. 204.76 Offset
41+94	1 693	24 298	2 593	22 605	" " " " " S.D. H-Wall - Pg. 10
42+42.88=A	10 608	34 551	0 355	23 943	" " " " " curb. 53.86 Offset - Pg. 10
45+00	3 818	32 609	5 760	28 791	Bt. S.W. & T. - Pg. 11.
fd. B.M. 27-1	7 087	33 671	6 025	26 584	El.=26.68, F.B. 2100-167 & 202, Brass disk stamped "V-767-1945".
47+50	5 863	34 502	5 032	28 639	Bt. S.W. & T. - Pg. 11
50+00	5 865	34 523	5 844	28 658	" " " - " "
52+50	5 940	34 540	5 923	28 600	" " " - " 12
55+00	5 708	34 700	5 548	28 992	Bt. " " - " 13.
S-2	5 953	35 006	5 647	29 053	" " " - " 13
57+50	6 854	36 392	5 468	29 538	" " " - " "
60+00	4 468	34 106	6 254	29 638	" " " - " 14
62+50	6 064	34 935	5 235	28 871	" " " - " 14
65+00	5 446	35 596	4 785	30 150	L. & C.E. Tag - Pg. 14
67+50			5 202	30 394	" " " - " "

F. B. 2499 Pg. 60 | Job No. 030002 | Division No. | Notes Red | Plotted | Profile No.
Survey of Control Line Recovery | Date | Date | X-Sec. No.
Survey by Ed. | Notes | Notes Chk'd. | Checked
Indexed | Date | Date

76-L-298 CE 307 5-66

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Do not extend notes this side of this line.

Datum = M.L.L.W. - Control Line Stas

STATION	B. S.	H. I.	F. S.	ELEV.		
67+50	4 767	35 161		30 394		
70+00	5 858	35 674	5 345	29 816	L.& C.E. Tag. - Pg. 15	
72+50	5 308	35 440	5 542	30 132	" " " - "	"
75+00	5 238	35 284	5 394	30 046	" " " - "	" = S-3A.
77+50	5 268	35 258	5 294	29 990	" " " - "	"
80+00	5 015	35 318	4 955	30 303	" " " - "	"
82+50	6 103	36 696	4 725	30 593	" " " - "	16
85+00	4 873	33 086	8 483	28 213	" " " - "	16
S-4	6 347	33 526	5 907	27 179	" " " - "	" = 86+10.9
87+50	5 894	34 417	5 003	28 523	" " " - "	"
90+00	5 764	34 777	5 404	29 013	" " " - "	"
92+50	6 824	34 877	6 724	28 053	" " " - "	"
95+00	4 864	33 856	5 885	28 992	" " " - "	17
97+50	5 944	33 618	6 182	27 674	" " " - "	"
100+00	4 892	33 035	5 475	28 143	" " " - "	"
S-5	5 463	32 039	6 459	26 576	" " " - "	" = 100+45
102+50	7 183	33 949	5 273	26 766	" " " - "	"
105+00	5 242	33 583	5 608	28 341	" " " - "	"
107+50	6 330	33 511	6 402	27 181	" " " - "	"
110+00	5 266	33 839	4 938	28 573	" " " - "	18
112+50			6 100	27 239	" " " -	"

PWLB 0716 329 330 331 332

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. ____ F. B. 2499 Pg. 64
No. ____ Date ____ Date ____ Survey of Control Line Recovery
X-Sec. Notes Chk'd. ____ Checked ____ Survey by English Notes Ed. Date 7-27 1978
No. ____ Date ____ Date ____ Map No. ____ Indexed T.M. PALMERI Date AUG 3 1978

76-L-298 CE 307 5-66

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Do not extend notes this side of this line.

F. B. 2499 PG. 42 | Job No. 0300.02 | Division No. PWLB | Notes Red 0716 | Plotted 333 | Profile No. | X-Sec. No.

Survey of Control Line Recovery | Date | Notes Chk'd. | Checked | Date

Survey by English Notes Ed. | Date | Date

Indexed

STATION	B. S.	H. I.	F. S.	ELEV.	Datum = M.L.L.W.	Control Line-Stations
112+50	4 588	32 327		27 739		
115+00	5 267	34 074	3 520	28 807	L.& C.E. Tag.-Pg. 18	= 22.57 Right
117+50	6 674	34 903	5 845	28 229	" " " - " "	= 9.83 "
120+00	2 202	31 688	5 417	29 486	" " " - " 18	
122+50	4 742	30 942	5 488	26 200	Bt. S.W. & T - " 18	
125+00	5 758	31 396	5 304	25 638	" " " - " "	
127+~~49~~.70	5 847	33 119	4 124	27 272	L. & C.E. Tag - " 19	= P.O.T.
S-6	5 598	34 602	4 115	29 004	" " " - " 19	= 129+42
130+00	5 623	34 835	5 440	29 162	" & " " - " 19	= 82.33 R.
132+50	4 965	32 650	7 150	27 685	" " " - " 20	= 94.06 R.
135+00	6 073	32 489	6 234	26 416	" " " - " 20	= 105.79 R.
137+50	5 905	33 380	5 014	27 475	" " " - " "	= 117.52 R.
140+00	5 674	33 440	5 614	27 766	" " " - " "	= 114.73 R.
142+50	4 945	34 138	4 247	29 193	" " " - " "	= 111.94 R.
145+00	4 965	32 831	6 272	27 866	" " " - " "	= 109.15 R.
147+50	4 966	31 705	6 092	26 739	" " " - " 21	= 106.36 R.
150+00	4 383	30 505	5 583	26 122	" " " - " 21	= 103.57 R.
T.P.	1 923	24 384	8 044	22 461		
153+27.67	5 552	22 688	7 248	17 136	" " " - " 21	= P.O.T.
155+00	5 544	22 740	5 492	17 196	" " " - " "	
T.P.			5 563	17 177		

76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.	Datum: M.L.L.W.	Control Line-Stations
T.P.	5 587	22 764		17 177		
160+00	5 587	22 785	5 566	17 198	L. & Tk. -Pg. 21	
T.P.	5 504	22 786	5 503	17 282		
S-8	5 573	22 751	5 608	17 178	" " - " "	165+00 = ℄ Pt.
T.P.	5 593	22 817	5 527	17 224		
170+00	5 950	23 184	5 583	17 234	conc. nail -Pg. 22	
T.P.	5 722	23 286	5 620	17 564		
175+00	5 488	23 121	5 653	17 633	L. & Tk. - " "	
T.P.	5 505	22 649	5 977	17 144		
S-9	5 492	22 444	5 697	16 952	" " - " 23	180+00 = ℄ Pt.
T.P.	5 534	22 150	5 828	16 616		
185+00	5 823	22 069	5 904	16 246	" " - " "	
T.P.	5 666	22 128	5 607	16 462		
190+00	5 783	22 318	5 593	16 535	" " - " "	
S-10	5 587	22 248	5 657	16 661	" " - " 24	191+50 ℄ Pt.
195+00	5 552	21 993	5 807	16 441	" " - " "	
T.P.	5 707	22 015	5 685	16 308		
200+00	5 454	21 687	5 782	16 233	" " - " "	
T.P.	5 647	22 080	5 254	16 433		
205+00	5 436	21 486	6 030	16 050	" " - " 25	
T.P.			5 706	15 780		

PWLB 0616 38 39 40 41

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. ____
No. ____ Date ____ Date ____ Survey of Control Line Recovery
X-Sec. Notes Chk'd. ____ Checked ____ Survey by English Notes Ed Date 7-77
No. ____ Date ____ Date ____ Map No. ____ Indexed T.M. PALMER Date AUG 3 1978

F. B. 2499 PG. 63

76-L-298 CE 307 5-66

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Do not extend notes this side of this line.

F. B. 2499 Pg. 64 | Job No. 0300.02 | Division No. | Notes Red | Plotted | Profile No.
Survey of Control Line Recovery | Date | Date | X-Sec. No.
Survey by English Notes Ed. | Notes Chk'd. | Checked
Indexed | Date PWLB 06 16 | Date 42, 43, 44, 45

STATION	B. S.	H. I.	F. S.	ELEV.	Datum = M.L.L.W.	Control Line-Stations
T.P.	5 275	21 055		15 780		
210+00	5 656	20 894	5 817	15 238	Sq. hd. S.&T. - Pg. 25	
T.P.	5 637	21 027	5 504	15 390		
215+00	5 727	20 939	5 815	15 212	L. & tk. - " "	
T.P.	5 784	21 436	5 287	15 652		
220+00	5 694	21 736	5 394	16 042	" " - " "	
T.P.	5 724	21 993	5 467	16 269		
225+00	5 746	22 193	5 546	16 447	" " - " "	
T.P.	5 662	22 067	5 788	16 405		
230+00	5 697	21 999	5 765	16 302	" " - " "	
S-11	5 540	21 996	5 543	16 456	" " - Pg. 26	231+00 ℄ Pt.
fd. B.M. 21-37	6 222	22 025	6 193	15 803	El. = 16.089, F.B. 2100-161, A std. C.S. br. cp. mon. in H.H.	
T.P.	5 673	22 169	5 529	16 496		
235+00	5 648	22 140	5 677	16 492	L. & tk. - Pg. 26	
T.P.	5 685	22 177	5 648	16 492		
fd. T.B.M. #8 240+00	5 728	22 353	5 552	16 625	L. & tk. - Pg. 26, El. = 17.079, F.B. 2100-161.	
T.P.	5 737	22 406	5 684	16 669		
245+00	5 198	21 859	5 745	16 661	" " - Pg. 27	
fd. B.M. 21-38	5 141	21 102	5 898	15 961	El. = 16.588, F.B. 2100-161, F.B. 2807-86. C.S. Mon. in H.H.	
T.P.	2 322	16 924	6 500	14 602		
248+82.0			2 633	14 291	L. & C.E. Tag in rock, Pg. 27, 450' Offset	

76-L-298 CE 307 5-66

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Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. ____
X-Sec. No. ____ Date ____ Date ____ Checked ____ Survey of Control Line Recovery
Notes Date PWLB Date ____ Survey by English Notes Ed Date AUG 27 1978
Date ____ 05 16 141 142 T.M. PALMER Date ____
F. B. 2499 PG. 65

STATION	B. S.	H. I.	F. S.	ELEV.	Datum = M.L.L.W. Control Line Stations
	4 843	19 134		14 291	
250+00	1 758	15 351	5 541	13 593	L.& C.E. Tag in rock - Pg. 27. 498.22 offset
T.P.	5 092	14 782	5 661	9 690	
T.P.	3 009	16 689	1 102	13 680	
253+42.23	4 253	16 210	4 732	11 957	L. & C.E. Tag in curb - Pg. 27. 536' Offset
T.P.	5 260	16 849	4 621	11 589	
T.P.	6 278	18 068	5 059	11 790	
253+50.04	4 772	20 841	1 999	16 069	L. & C.E. Tag in cb. - Pg. 28 P.O.T. (tie).
T.P.	5 932	22 520	4 203	16 638	
T.P.	5 561	22 204	5 927	16 643	
fd. B.M. 21-38			6 262	15 942	See: Pg. 64 El = 16.588, F.B. 2100-161, F.B. 2807-86 C.S. mon. in H.H.

For levels Between 253+50.04 & B.M. KH-1 See pg. 70 & 71

fd. B.M. KH-1	8 875	19 799		10 924	B.M. K.H.-1, el. = 11.685, F.B. 2316-51 {Spk. in Bulkhd. Wall.
fd. S-16	4 191	23 692	0 298	19 501	S-16, el. = 20.275, F.B. 2316-51, See: F.B. 2499-34
317+25.52	0 296	19 400	4 588	19 104	L.& C.E. Tag - Pg. 34 & Pt.
	2 858	12 246	10 012	9 388	(44.88 Offset)
294+65	8 046	15 435	4 857	7 389	L.& C.E. Tag in top conc. pile base - Pg. 35
	5 756	16 240	4 951	10 484	
296+65			1 028	15 212	L.& C.E. Tag in rock (14.40 Offset) Pg. 35

76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.	Datum • M.L.L.W. Control Line Stations
	2 043	17 255		15 212	
298+65	9 179	21 564	4 870	12 385	L.& C.E. Tg. in rock (27.70 off.) Pg. 36
300+65	8 020	26 694	2 890	18 674	L.& C.E. " " " (37.18 ") " "
298+65	5 358	26 642	5 410	21 284	" " " " Walk - Pg. 36
300+65	5 596	26 755	5 483	21 159	" " " " " - " "
Tie pt.	5 037	26 550	5 242	21 513	" " " " (Tie = 34.12) Pg. 37
T.P.	4 290	25 353	5 487	21 063	
Tie pt.	7 740	21 778	11 315	14 038	" " " " top conc. wall. (Tie = 18.34) - Pg. 39
304+65	5 953	26 889	0 842	20 936	" " " " Walk (Tie = 31.17) - Pg. 39
S-19 (Tie = 10.77)	5 097	25 917	6 069	20 820	" " " " " - Pg. 40 305+71.89
306+65	4 448	24 805	5 560	20 357	Bt. S.W. & T. - Pg. 40
308+65	4 870	23 346	6 329	18 476	" " " - " "
310+65	5 095	22 651	5 790	17 556	" " " - " 41
S-20 (Tie = 11.98)	5 112	22 059	5 704	16 947	L.& C.E. Tg. in conc. walk - Pg. 41
312+65	5 122	21 953	5 228	16 831	Bt. S.W. & T. - Pg. 41
314+65	5 442	22 455	4 940	17 013	" " " - " "
316+00	5 290	22 768	4 977	17 478	" " " - " 42
317+00	5 441	23 353	4 856	17 912	" " " - " "
317+96 = S-21	5 552	23 496	5 409	17 944	L.& C.E. Tg - Pg. 42 (S-21, Tie = 14.47)
318+15.87	5 378	23 772	5 102	18 394	Bt. S.W. & T. - Pg. 42
319+00			5 012	18 760	" " " - " "

F. B. 2499 PG. 66 | 0300.02
Job No. Division No. Notes Red Plotted Profile
Survey of Control Line Recovery Date Date No.
Survey by English Notes Ed. Notes Checked X-Sec.
Indexed PWLB Date 0516 Date 143, 144 Date No.

76-L-298 CE 307 5-66

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Datum - M.L.L.W. Control Line Recovery

STATION	B. S.	H. I.	F. S.	ELEV.	
319+00	5 640	24 400		18 760	
320+50	5 531	24 852	5 079	19 321	Bt. S.W. & T. - Pg. 42
322+00	5 309	25 444	4 717	20 135	" " " - " 43
323+00	5 229	25 539	5 134	20 310	" " " - " "
323+26 (Tie)	5 410	25 640	5 309	20 230	L. & C.E. Tag. - Pg. 43 (S-22 Tie = 3.15)
323+95±	6 084	25 640	6 084	19 556	fd. C.S. Mon. marked "Trav. Sta. Torrance F-9A" in well with iron cover. F.B. 2100-157. El. = 20.125
324+00	4 891	25 622	4 909	20 731	Bt. S.W. & T. - Pg. 43
325+00	5 925	27 021	4 526	21 096	" " " - " "
327+00	5 414	27 351	5 084	21 937	" " " - " "
328+00	5 370	26 846	5 875	21 476	" " " - " "
329+00	5 287	26 258	5 825	20 971	" " " - " 44
330+50	5 332	25 438	6 152	20 106	" " " - " "
332+00	5 823	25 536	5 775	19 663	" " " - " "
333+00	5 684	25 778	5 442	20 094	" " " - " "
S-23 (Tie)	5 923	26 019	5 682	20 096	L. & C.E. Tag. - " 44 (333+41 Tie = 8.74).
334+00	6 057	26 554	5 522	20 497	Bt. S.W. & T - " "
335+50	6 043	27 334	5 263	21 291	" " " " - " 45
S-24 (Tie)	6 033	27 950	5 417	21 917	L. & C.E. Tag - Pg. 45 337+13 (Tie = 9.84).
338+00	5 480	27 836	5 594	22 356	Bt. S.W. & T. - Pg. 45
340+50			7 323	20 513	" " " - " 46

145, 146, 147

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. ____ F. B. 2499 Pg. 67
X-Sec. No. ____ Date ____ Date ____ Survey of Control Line Recovery
Notes Chk'd. ____ Checked ____ Survey by English Notes Ed. Date 7-7-77
Date ____ Date ____ Map No. ____ Indexed T.M. PALMERI Date AUG 3 1978

76-L-298 CE 307 5-66

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F. B. 2499 PG. 68 | Job No. 0300.02 | Division No. | Notes Red | Plotted | Profile No.
Survey of Control Line - Recovery | Date | Date | X-Sec. No.
Survey by English | Notes Ed. | Notes Chk'd. | Checked
Indexed | Date | Date | Date

STATION	B. S.	H. I.	F. S.	ELEV.	Datum = M.L.L.W.	Control Line Stations
	3 733	24 246		20 513		
T.P.	4 584	23 262	5 568	18 678		
T.P.	5 607	21 872	6 997	16 265		
S-25 (Tie)	4 817	20 781	5 908	15 964	L.& C.E. Tag - Pg. 47	344+22 (Tie = 22.25)
T.P.	5 233	20 280	5 234	15 047		
348+00	5 812	20 315	5 777	14 503	" " " - Pg. 48	
T.P.	5 683	20 733	5 265	15 050		
T.P.	5 598	20 568	5 763	14 970		
353+00	6 967	21 917	5 618	14 950	" " " - " "	
354+22.1	0 713	21 308	1 322	20 595	L.& C.E. Tag - Pg. 48	P.O.T.
T.P.	6 783	22 039	6 052	15 256		
T.P.	5 687	21 679	6 047	15 992		
358+00	5 663	21 390	5 952	15 727	" " " - " "	
T.P.	5 647	20 921	6 116	15 274		
363+00	5 903	20 860	5 964	14 957	L.& C.E. Tag. - " "	5° Offset
T.P.	5 627	21 262	5 225	15 635		
T.P.	7 132	22 744	5 650	15 612		
S-26 (Tie)	0 728	22 108	1 364	21 380	(Tie = 68.72) Pg. 49 L.& T. in conc. walk to	Men's Toilet { F.B. 2100-155 el = 21.317
S-26	5 974	21 624	6 458	15 650	L.& C.E. Tag. - Pg. 49	367+44
368+00	6 953	23 104	5 423	16 151	L.& C.E. Tg. - Pg. 50	10' Offset
			5 748	17 356		

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Datum = M.L.L.W. Control Line Stations

STATION	B. S.	H. I.	F. S.	ELEV.		
	4 528	21 884		17 356		
373+00	5 505	21 841	5 548	16 336	L. & C.E. Tag. - Pg. 50	50' Off.
T.P.	5 357	21 751	5 947	16 394		
378+00	5 584	21 827	5 508	16 243	" " " - " "	50' Offset
T.P.	5 246	21 447	5 626	16 201		
383+00	5 522	21 021	5 948	15 499	" " " - " "	25' Off.
T.P.	5 970	21 806	5 185	15 836		
S-27	6 068	21 319	6 555	15 251	" " " - " 51	S-27 388+19 ✗ Pt.
390+56 06	5 447	21 938	4 828	16 491	" " " - " 52	in wlk. To Toilet.
393+19	5 458	20 699	6 697	15 241	" " " - " 52	2' off.
T.P.	5 594	20 751	5 542	15 157		
398+19	7 333	22 627	5 457	15 294	" " " - " "	9' off.
401+24 12	5 517	24 721	3 423	19 204	" " " - " "	P.O.T.
fd. T.B.M. #1	4 744	26 835	2 630	22 091	Bt. Spk. in cb., el = 22.02, F.B. 2100-154.	
403+34 (Tie)	5 493	26 551	5 777	21 058	L. & C.E. Tag - Pg. 53, 403+34 18, 75.67 off.	
T.P.	1 178	20 842	6 887	19 664		
T.P.	4 426	17 820	7 448	13 394		
T.P.	5 504	18 502	4 822	12 998		
T.P. fd. 412+08 99	8 402	22 169	4 235	13 767	El. = 20.00 Per F.B. 2100-38.	
	0 858	20 921	2 106	20 063	L. & C.E. Tag in rock - Pg. 53	(Tie = 6' off.)
T.P.			6 823	14 098		

Notes Chk'd. 04 16 Date
Plotted Date
Job No. 0300.02
Division No.
X-Sec. No.
Notes Chk'd. Date
Checked Date
Survey of Control Line Recovery Date 7-77
Scale
Map No. 65,667 by Fritsch & Ed. Date
Indexed by PALMER Date AUG 3 1978
F. B. 2100 Pg. 69

76-L-298 CE 307 5-66

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Datum: M.L.L.W. Control Line Stations
	4.043	18 141		14 098	
T.P.	6 377	19 291	5 227	12 914	
T.P.	5 393	19 241	5 443	13 848	
T.P.	6 092	19 946	5 387	13 854	
422+48.13 = S-28	6 453	19 731	6 668	13 278	50' offset, C.E. mon. - Pg. 54.
T.P.	5 367	19 005	6 093	13 638	
T.P.	5 446	18 417	6 034	12 971	
429+09.34	2 358	17 307	3 468	14 949	8.63 Offset, (L.A. Co. lifeguard tel. outlet). Top 2" I.P. cap - Pg. 55
S-29, 430+80.64	5 882	17 312	5 877	11 430	50' Offset, C.E. Mon. - Pg. 55
T.P.	3 616	18 565	2 363	14 949	
T.P.	6 078	19 529	5 114	13 451	
T.P.	4 655	19 620	4 564	14 965	
T.P.	5 326	19 180	5 766	13 854	
T.P.	8 072	21 186	6 066	13 114	
412+08.99			1 114	20 072	6.60 Offset - L.& C.E. Tag in rock - Pg. 69
Levels Between 253+50.04 & KN-1, Pg. 65.					
253+50.04	2 838	18 907		16 069	L.& C.E. Tag in cb - Pg. 28 & 65. (P.O.T. & Tie)
T.P.	4 826	16 390	7 343	11 564	
T.P.	5 923	17 969	4 344	12 046	
T.P.	5 243	18 117	5 095	12 874	
T.P.			4 844	13 273	

F. B. 2499 Pg. 70 | 0300.02 | Job No. | Division No. | Notes Red | Plotted | Profile
Survey of Control Line Recovery | Date | Date | No.
Survey by English Notes Ed. | Notes Chk'd. | Checked | X-Sec.
Indexed | Date | Date | No.

RWLB 0416

69

76-L-298 CE 307 5-66

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Datum=M.L.L.W.

STATION	B. S.	H. I.	F. S.	ELEV.	
	6 217	19 490		13 273	Nail
T.P.	6 304	21 114	4 680	14 810	"
T.P.	5 947	22 239	4 822	16 292	"
T.P.	6 223	23 964	4 498	17 741	"
T.P.	6165	25 325	4 804	19 160	"
T.P.	6178	26 419	5 084	20 241	"
T.P.	5 854	25 648	6 625	19 794	"
T.P.	1 182	21 390	5 440	20 208	"
T. P.	1 870	14 104	9 156	12 234	"
fd. B.M. KH-1			3 180	10 924	fd B.M. KH-1, el=11.685, F.B. 2316-51.

levels Con't. Pg. 65

PWLB 0516 149 0300.02

Profile No. ____ Date ____ Notes Chk'd. ____ Date ____ Notes Date ____

Job No. ____ Division No. ____ Survey of Control Line Recovery

Survey by English Notes Ed. Date Aug 3 1978

Map No. ____ Indexed T.M. PALMER Date ____

F.B. 2499 Pg. 71

PWFB 0815 65

Notes Ck'd by	Survey of Control Line
Map No.	IN 030002 Tape 015 Sta 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. 1 Date 7-77
Date	Indexed T.M. PALMERI AUG 3 1978

F. B. 2499 PG. 73

HYDROSURVEY
CONTROL LINE.

J.N. 0300.02

Control Line
Recovery and
Perpetuation
Survey.

July 20, 1977
English
Caro
Stroud
Bradley

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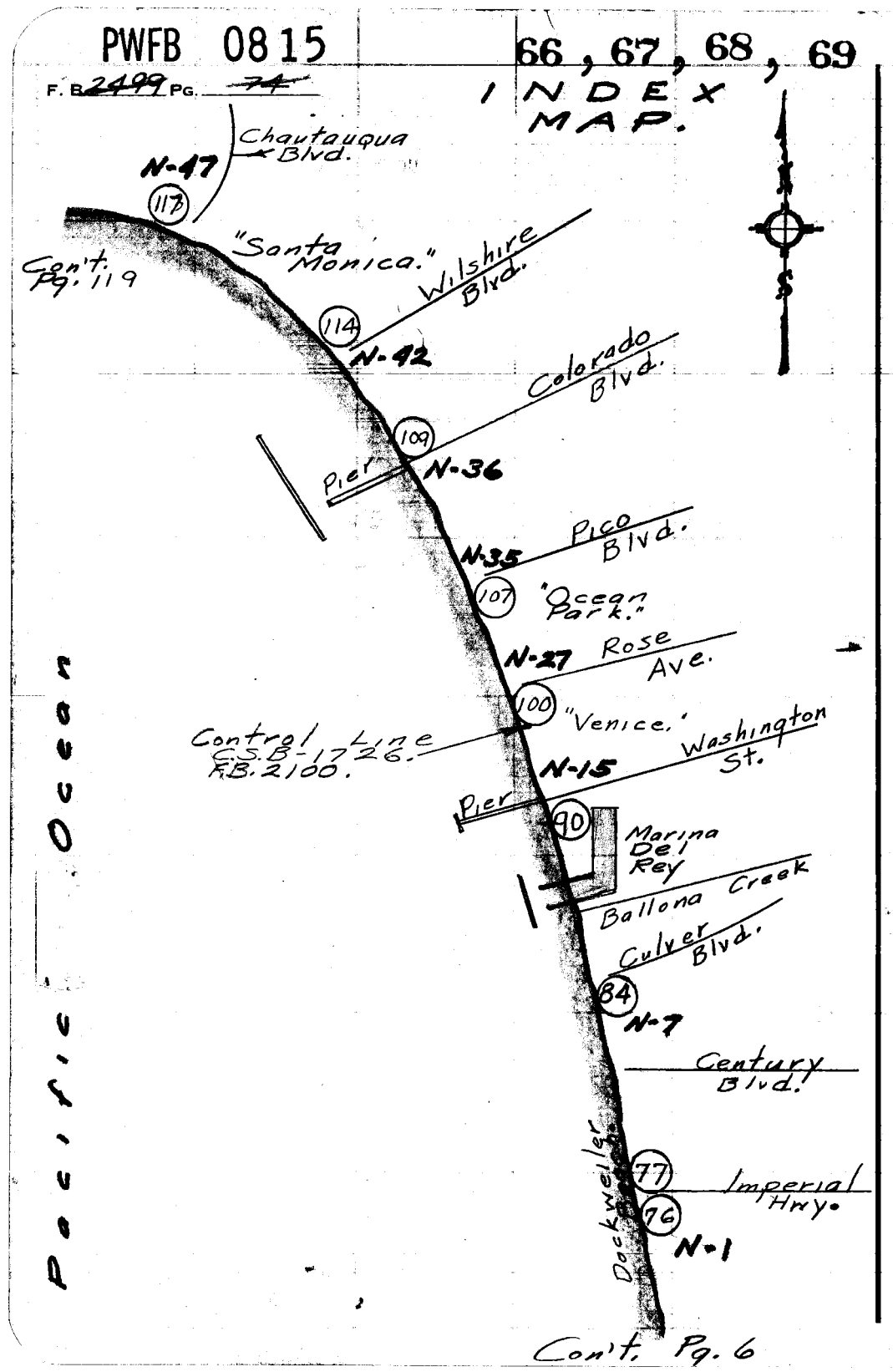
76F309S CE#310 3-69

PWFB 0815

F. B. 2499 PG. 74

66, 67, 68, 69

INDEX MAP.



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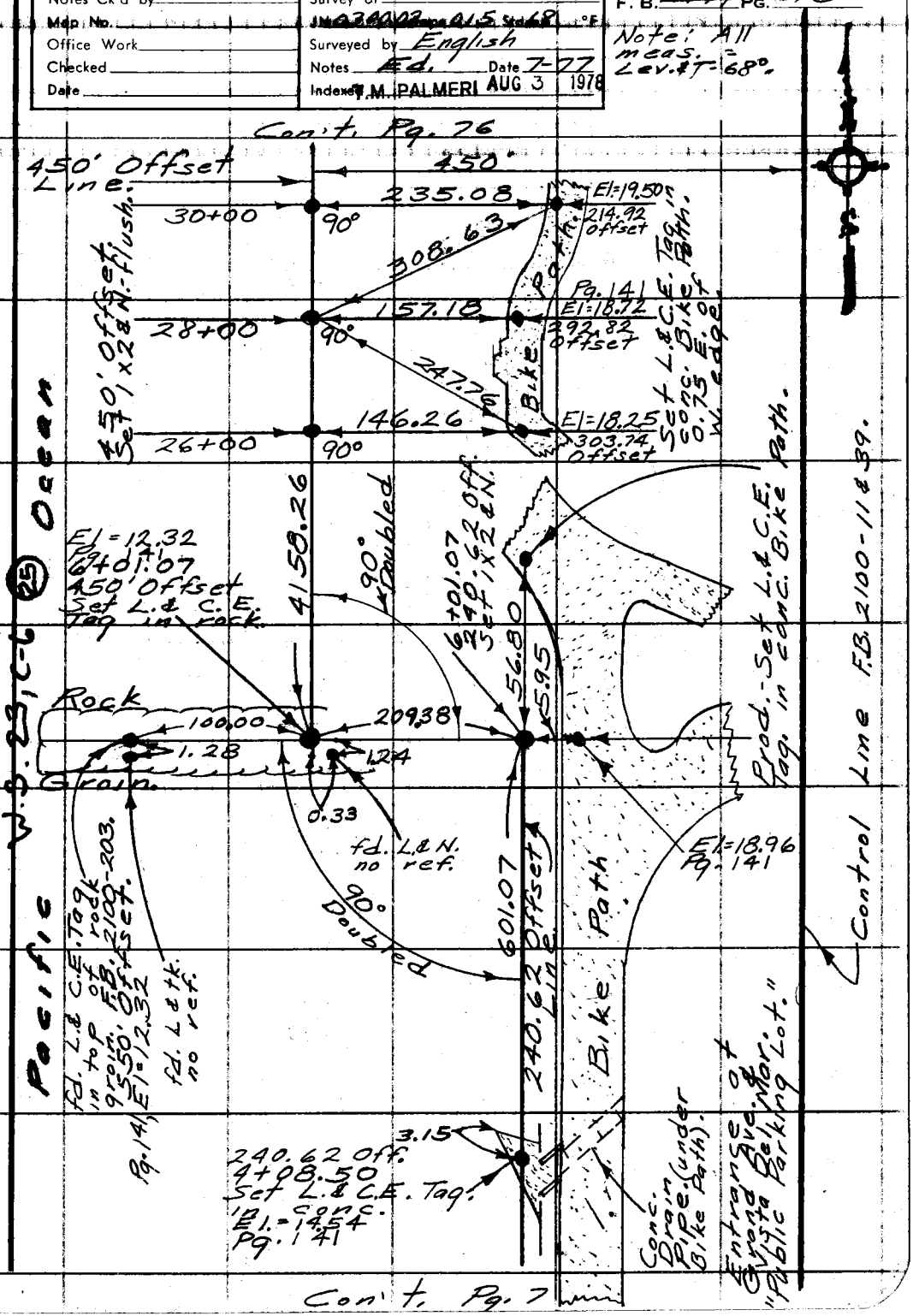
PWFB 0815 75, 76, 77

Notes Ck'd by	Survey of Control Line
Map No.	Surveyed by English
Office Work	Notes Ed. Date 7-77
Checked	Indexed M. PALMERI AUG 3 1978
Date	

F. B. ~~2499~~ Pg. ~~75~~

Note: All meas. = Lev. @ T = 68°.



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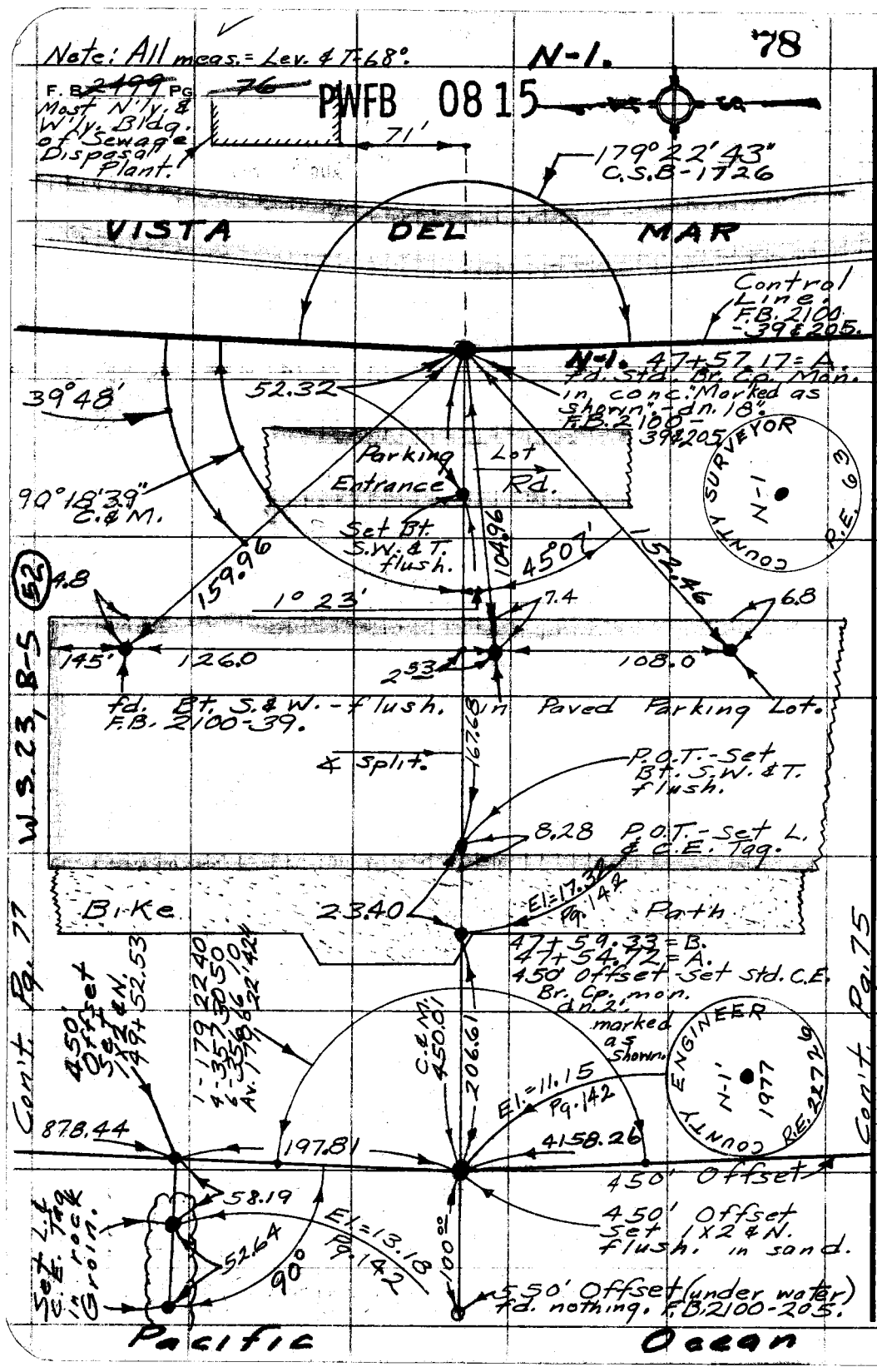
76F309S CE#310 3-69



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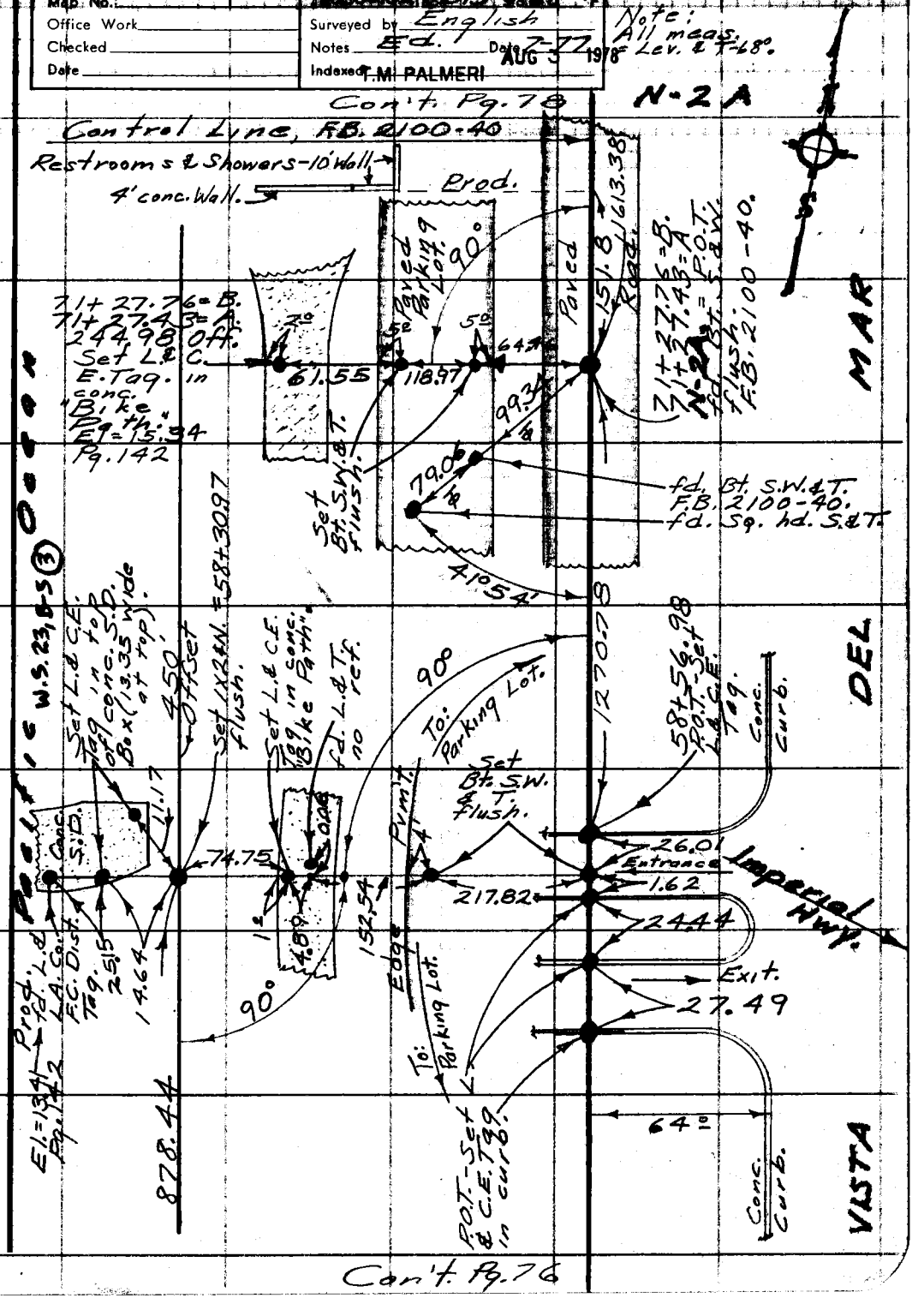
PWFB 0815 70, 71

Notes Ck'd by	Survey of Control Line	F. B. 2499 PG. 77
Map No.	0300.02 Tape 015 Std 68 °F	
Office Work	Surveyed by English	Note: All meas. = Lev. & T-68°.
Checked	Notes Ed. Date 7-77	
Date	Indexed T.M. PALMERI AUG 3 1978	



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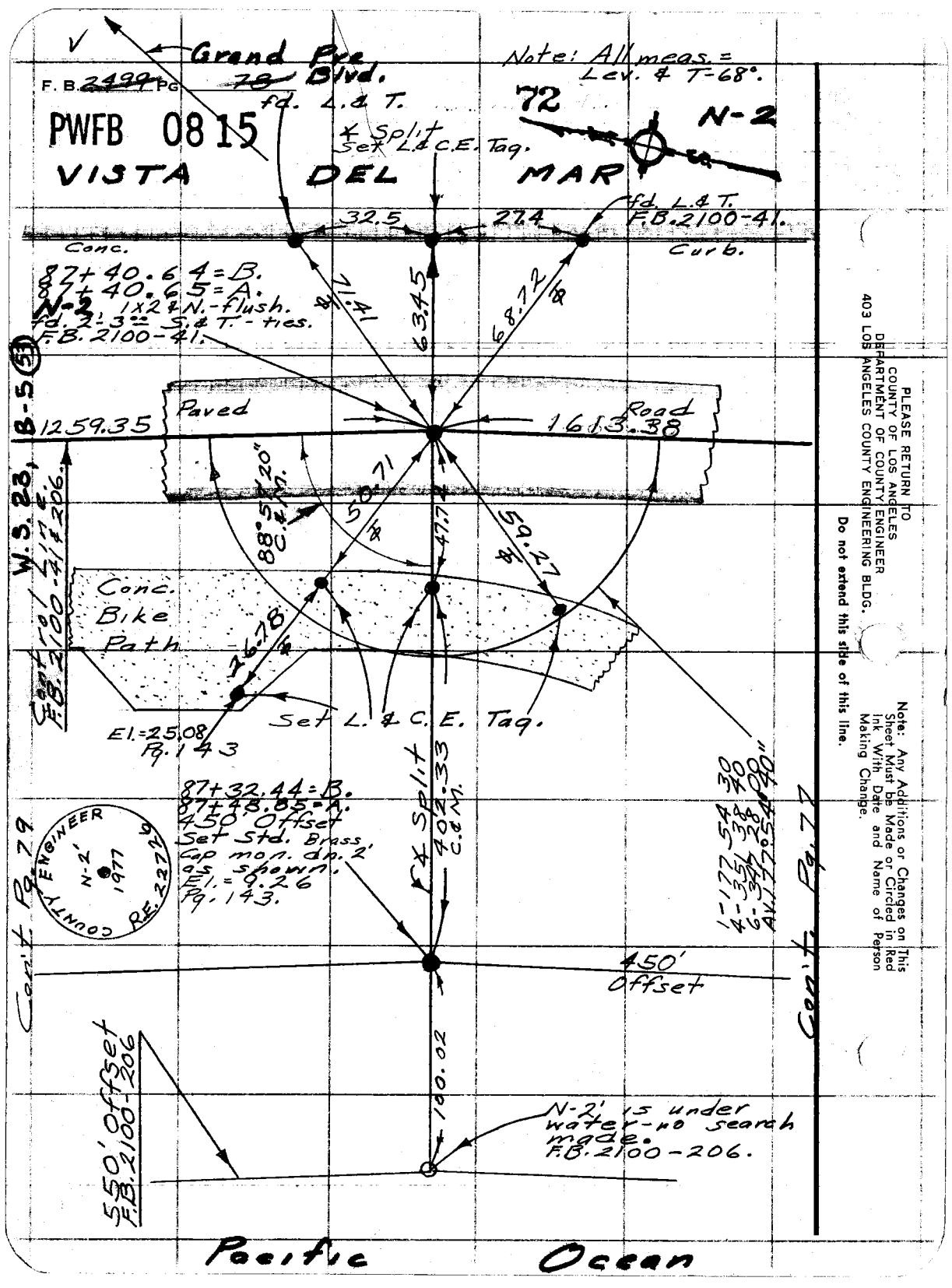
76F309S CE#310 3-69



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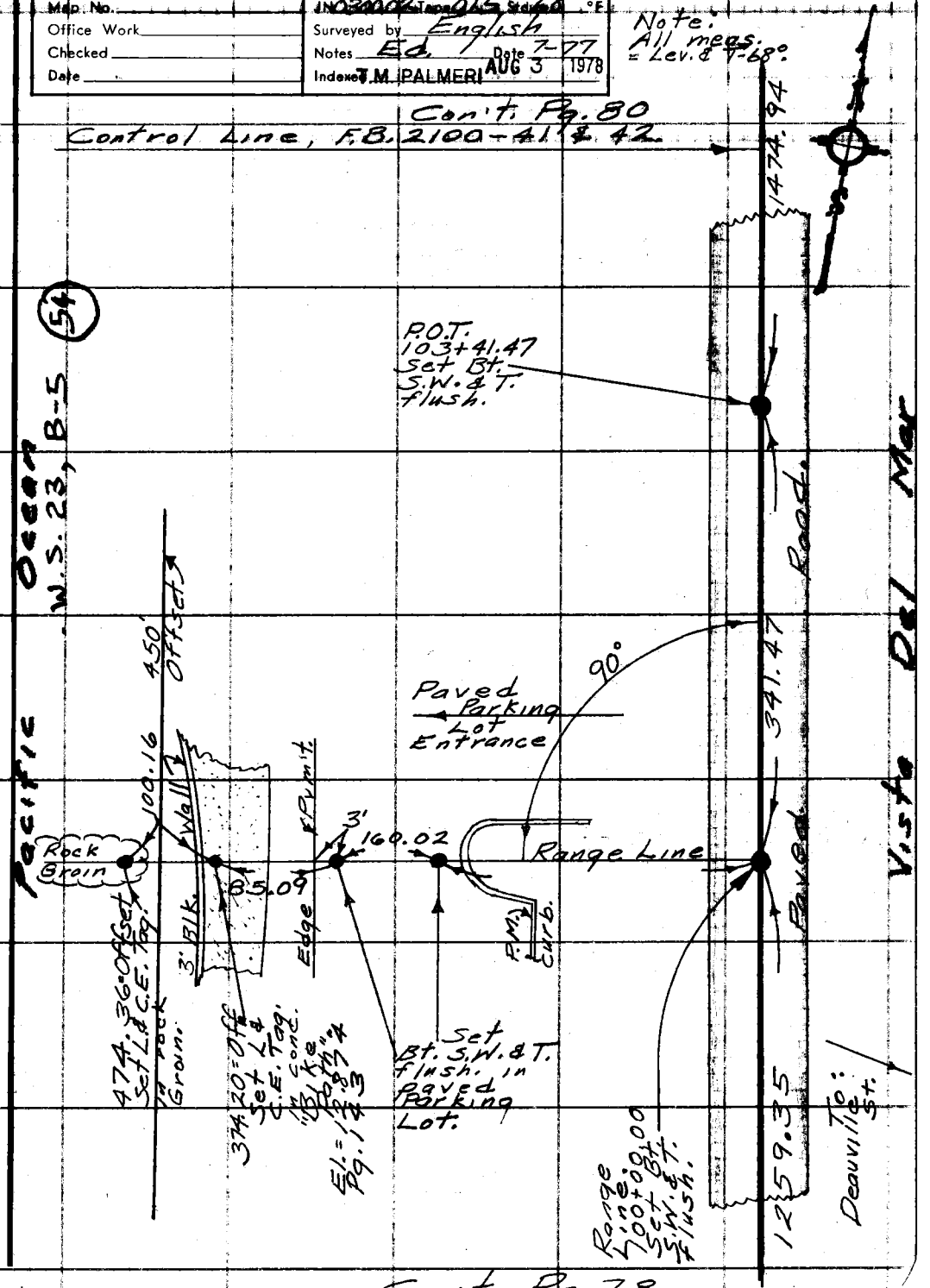
PWFB 0915

116

Notes Ck'd by	Survey of Control Line
Map No.	JN 030002 Tape 015 Stadium 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 7-77
Date	Indexed T.M. PALMERI AUG 3 1978

F. B. 2499 Pg. 79

Note: All meas. = Lev. & T-68°.



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

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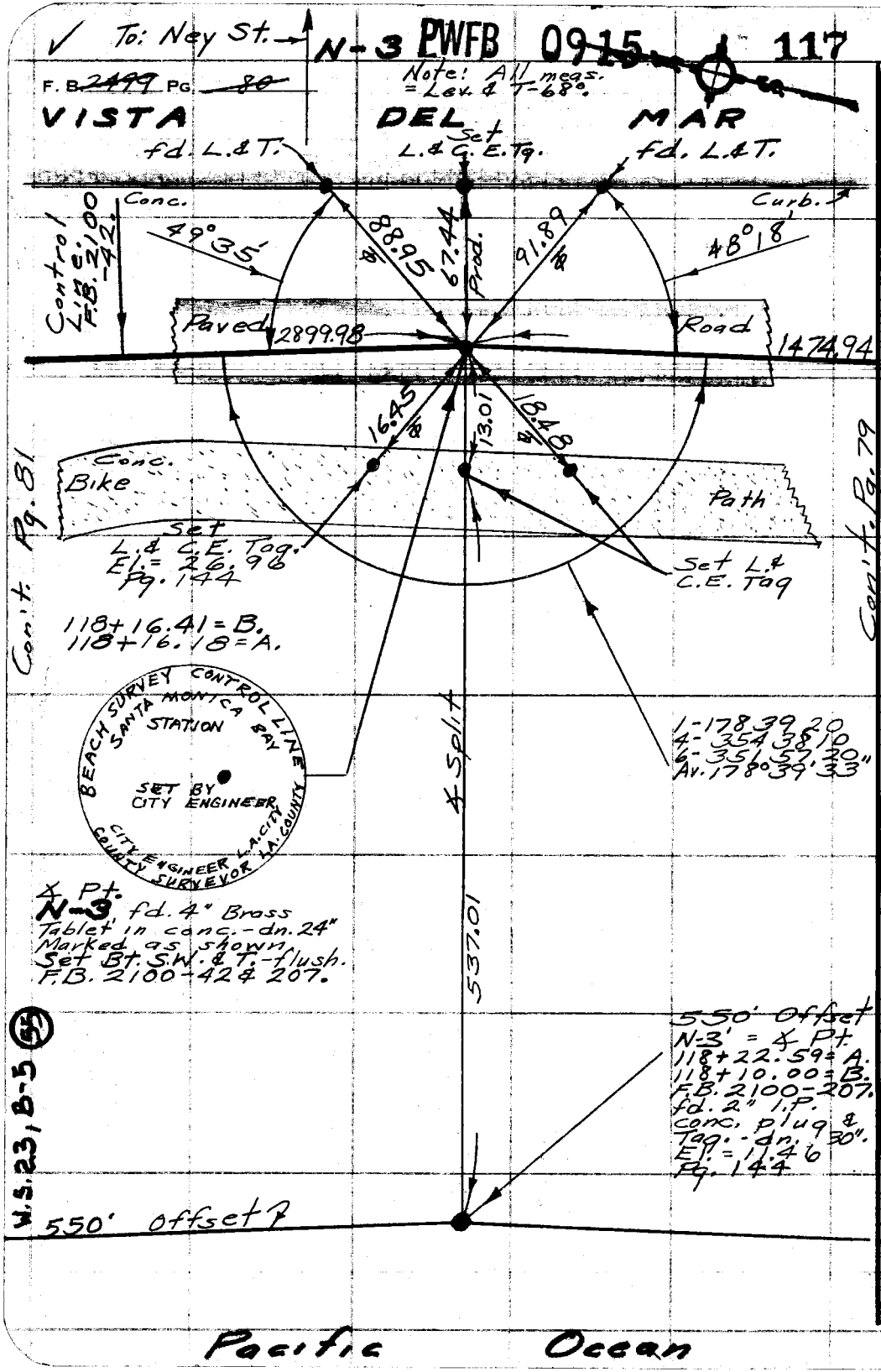
76F309S CE#310 3-69



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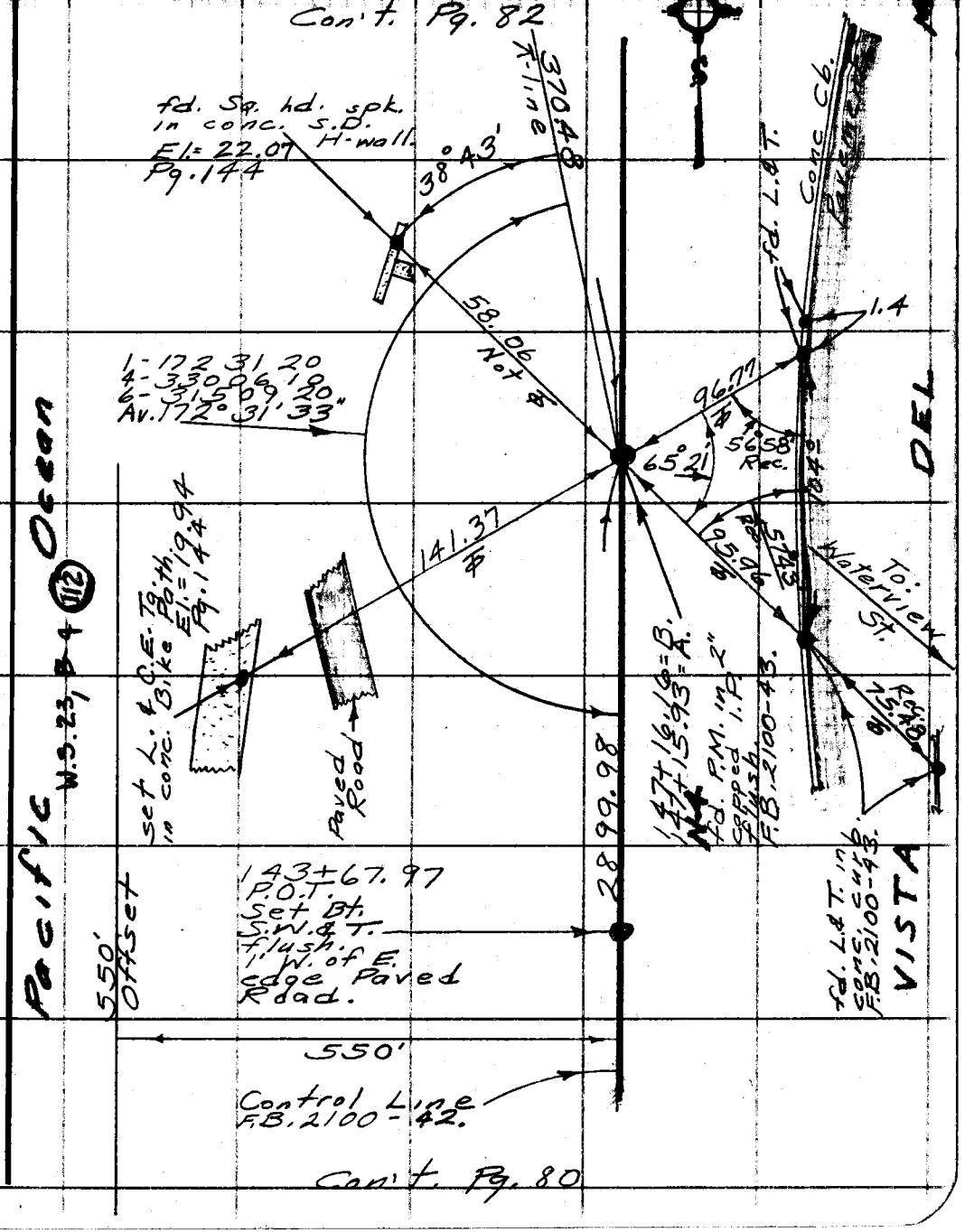
PWFB 0915

118

Notes Ck'd by	Survey of Control Line
Map No.	[illegible] °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 8-77
Date	Indexed T.M. PALMERI AUG 3 1978

F. B. ~~2499~~ PG. ~~81~~

Notes: All meas. = Lev. & T-68.



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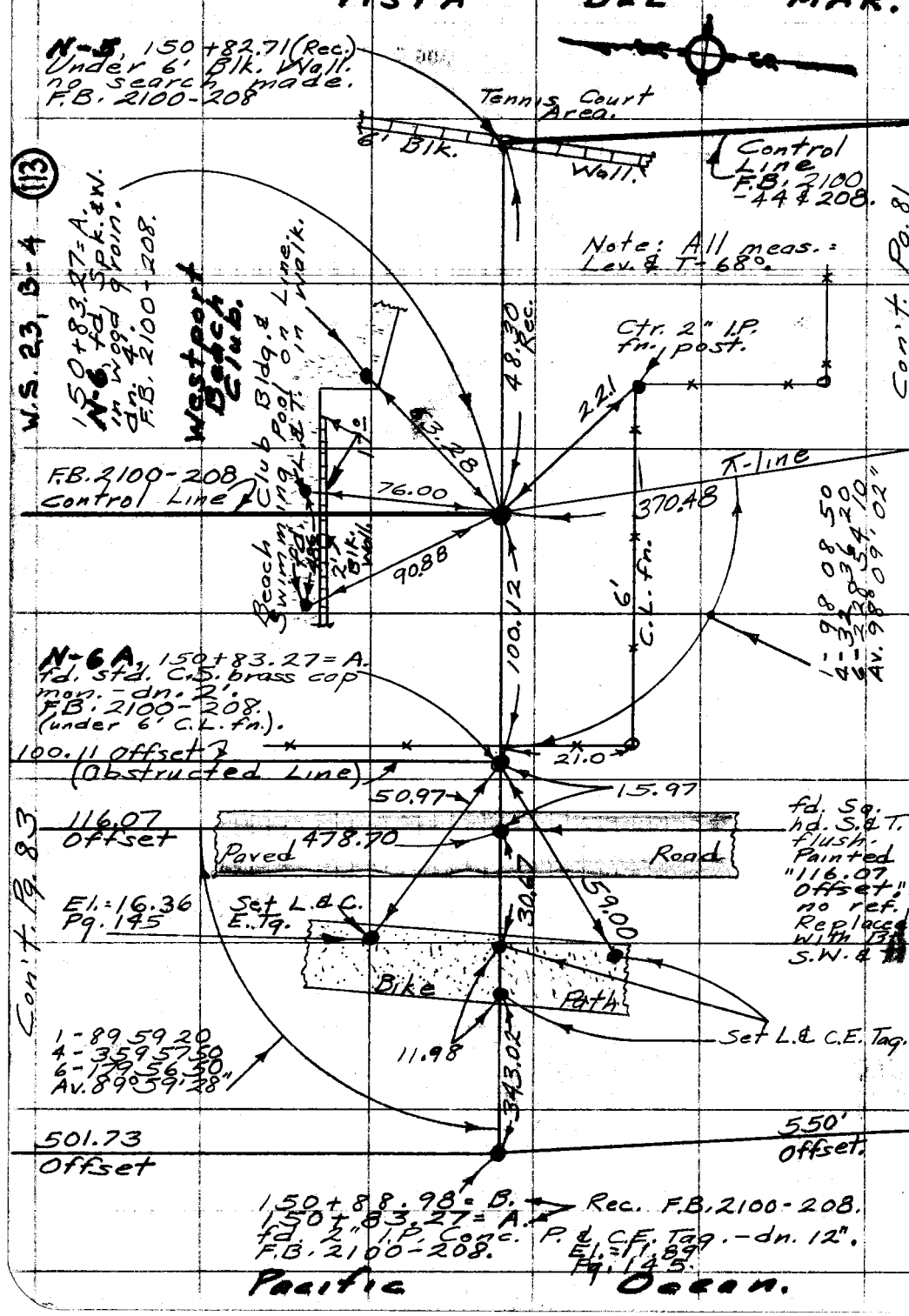
76F309S CE#310 3-69

PWFB 0915 119, 120

F. B. 2499 PG 82

N-5 & N-6.
VISTA DEL MAR.



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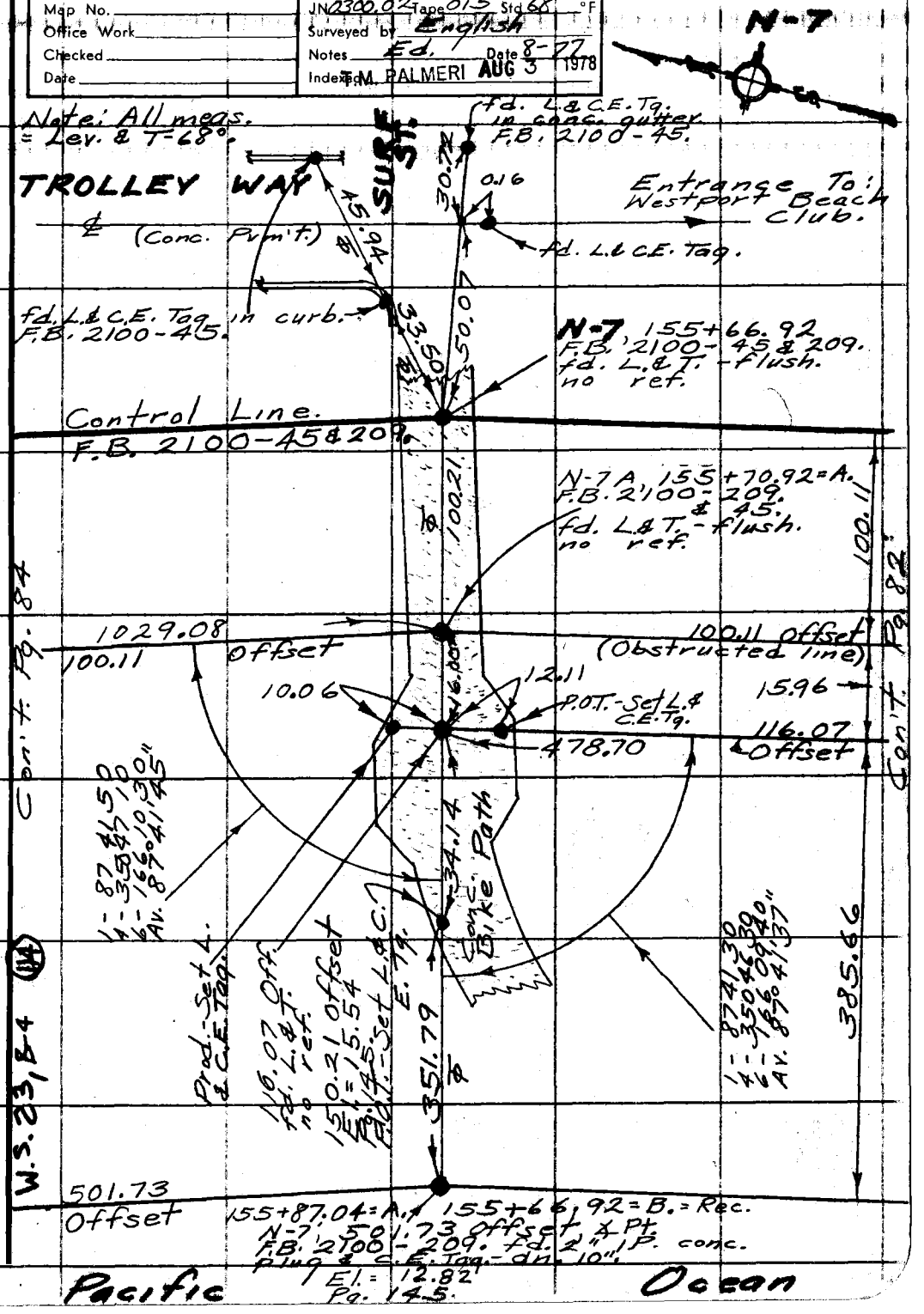
PWFB 0915

121

Notes Ck'd by	Survey of Control Line
Map No.	JN 0300.02 Tape 015 Std 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 8-77
Date	Index T.M. PALMERI AUG 3 1978

F. B. ~~2499~~ Pg. 83



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

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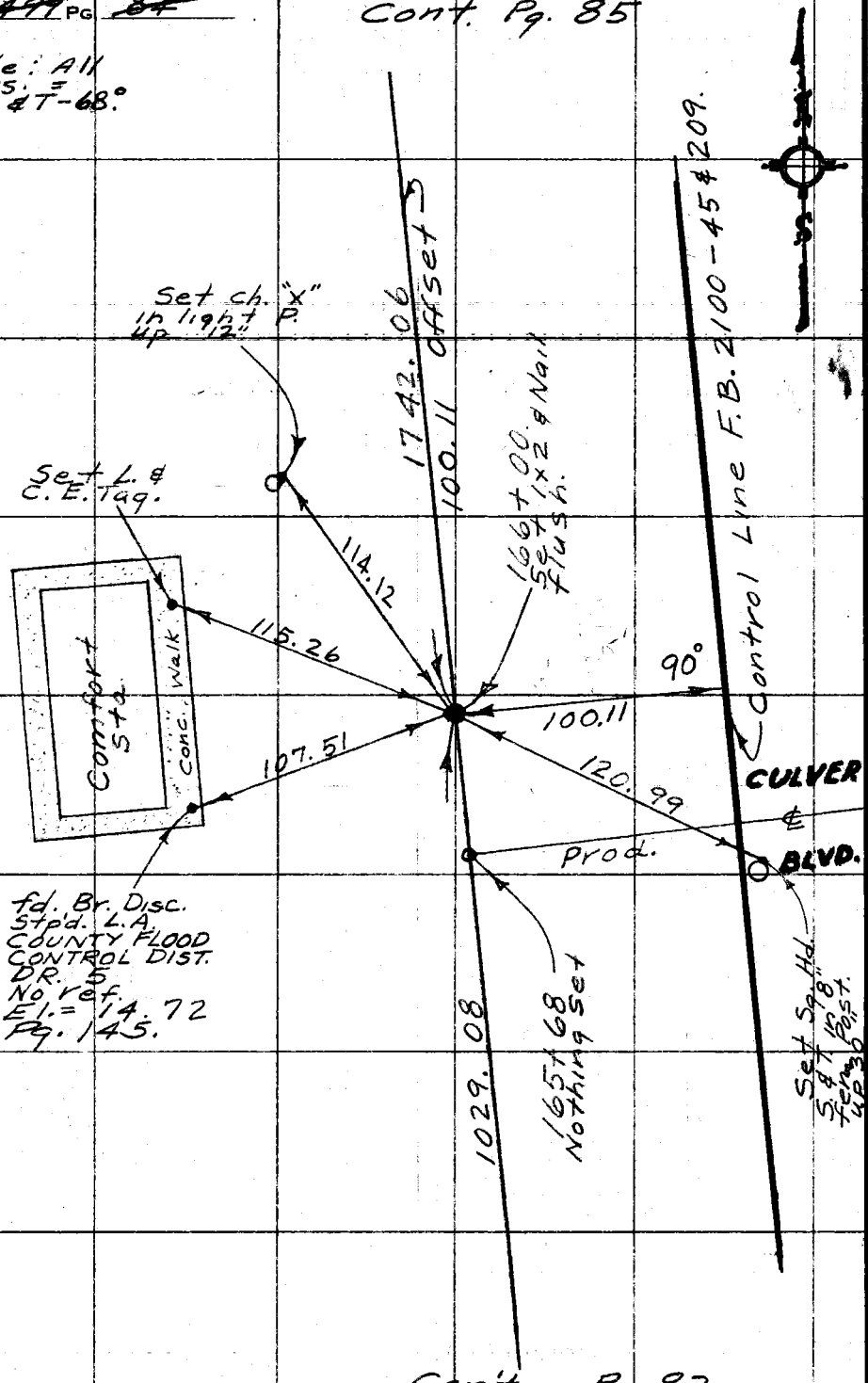
76F309S CE#310 3-69

F.B. ~~2499~~ PG ~~84~~

Cont. Pg. 85

Note: All meas. = Lev. & T-68°



Con't. Pg. 83.

Pacific Ocean

H.S. 23, B-4 (15)

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PWFB 0915 123, 124

Notes Ck'd by ORTEGA
Map No.
Office Work
Checked
Date 10-7-83

Survey of Control Line
JN 030027 Tape 015 Std 68 °F
Surveyed by English
Notes Ed. Date 8-77
Indexed T.M. PALMERI AUG 3 1978

F.B. 2499 Pg. 85

N-9 & N-10

Note: All meas. = Lev. @ T=68°.

Pacific & Ave.

63rd Ave.

Prop. Set L. & C.E. Tag.

El = 16.53
Pg. 146
183+39.37
N-9 = Nothing
Fd. Set L. & C.E. Tag. Rec.
Lr. & Dist.
F.B. 2100-47 & 210.

2 Sty. 1 Bldg.
fd. "X" in Conc. patio.

Control Line F.B. 2100-47.

W.S. 23, B-1 (10)

Control Line F.B. 2100-47 & 210.

3 Story Stucco Bldg.
fd. L. & T.
Conc. Walk.

Conc.
Wlk.
Set L. & C.E. Tag.

59.00
21.77
18.20
18.30.31
13.53
80.84

342.65

0.04

183+39.85 = A.
183+40.33 = B.
N-10 - fd. 2" I.P. W/ plug & Nail.
Dr. & F.B. 2100-47 & 210.
Set 1x2 & N. flush.

Cont. Pg. 86

Cont. Pg. 84

100.11

fd. L. & T. in conc. Slab. Ref. 186+82.50

18.36

1-88 34 00
4-354 16 00
6-176 24 00
Av. 88° 34' 00"

479.93

1742.06
℄ 100.11 Offset
183+42.06 = B.
N-10A - fd. 2" I.P. conc. plug & C.E. Tag. dn. 4½.
F.B. 2100-46 & 210.
Set 1x2 & N. flush.
183+41.58 = A.
1-91 17 00
4-5 07 40
6-187 41 30
Av. 91° 16' 55"

401.75

401.62

479.93 Offset
183+50.44 = A.
N-10B, fd. 2" I.P. Conc. plug & C.E. Tag. dn. 1/8".
F.B. 2100-210.
El. = 9.47
Pg. 146

Pt. 183+50.92 = B.

℄ 501.73 Offset

Pacific Ocean

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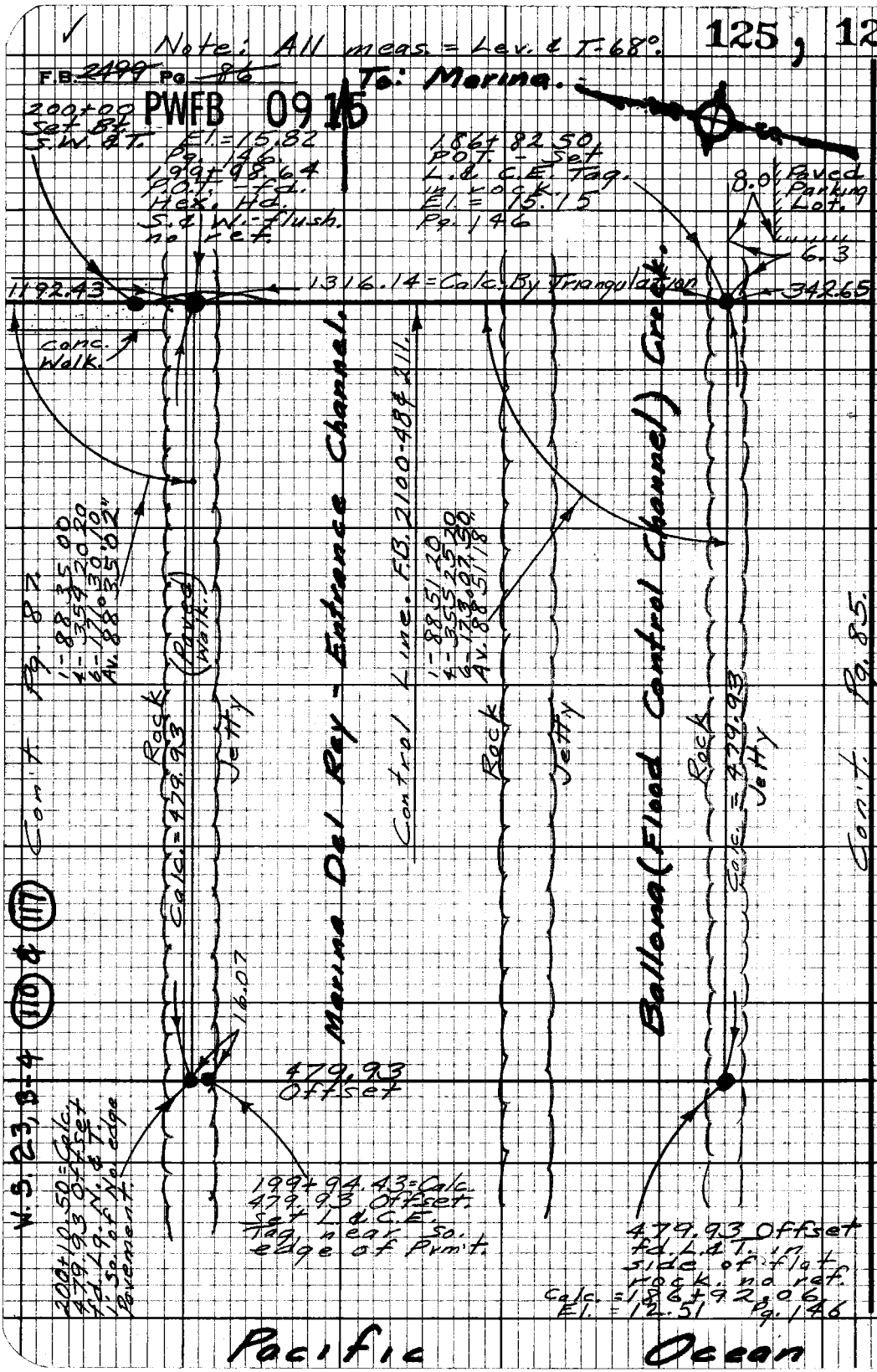
167208R CE#310 8-67



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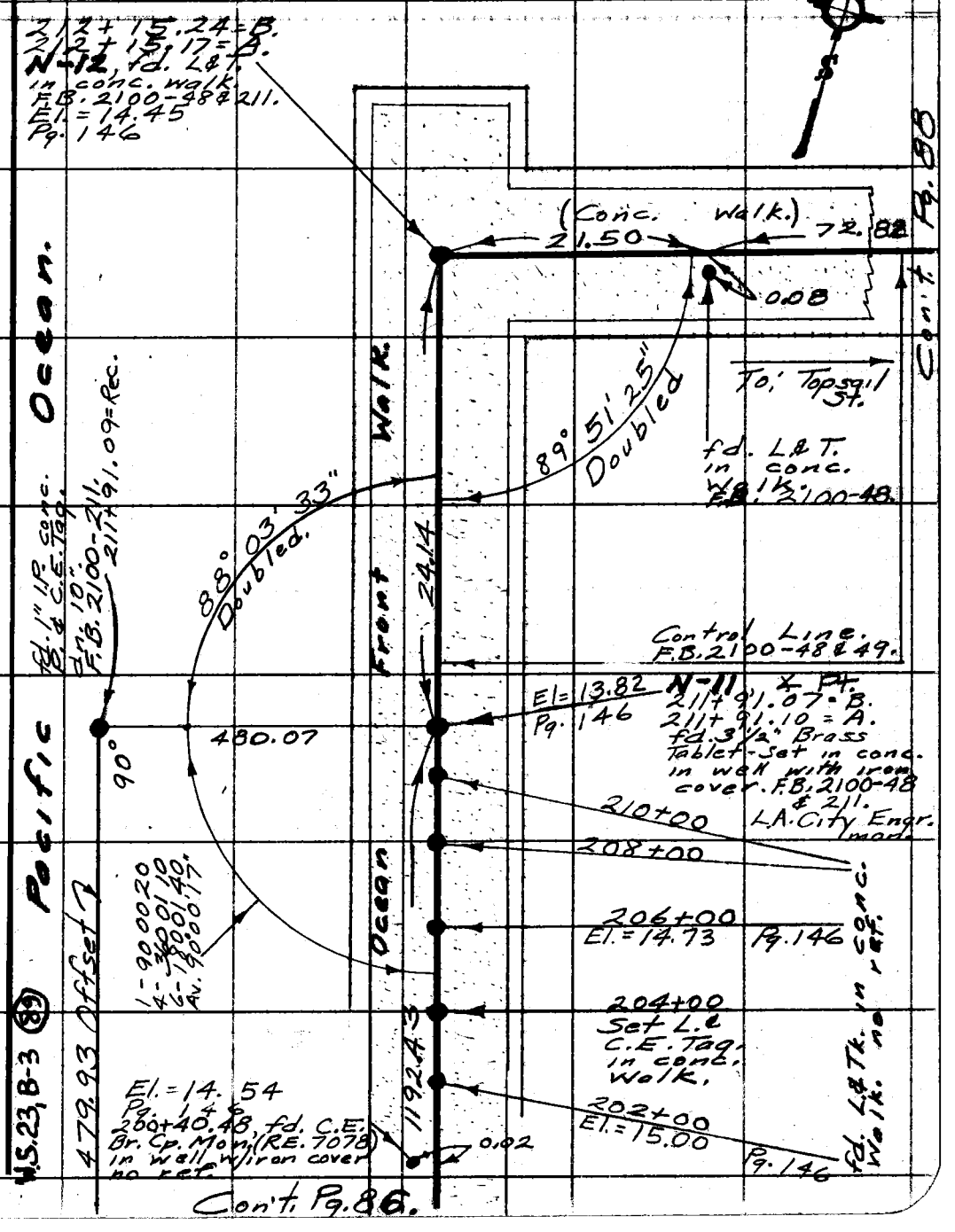
PWFB 1014 238 239

Notes Ck'd by ORTEGA	Survey of Beach Control	F. B. 2499 Pg. 87
Map No.	JN 030002 Tape 015 Std. 68 °F	Note: All meas. = Lev. & T = 68°.
Office Work	Surveyed by English	
Checked	Notes Ed. Date 8-77	
Date 10-7-83	Indexed T.M. PALMERI AUG 3 1978	

N-11 & N-12



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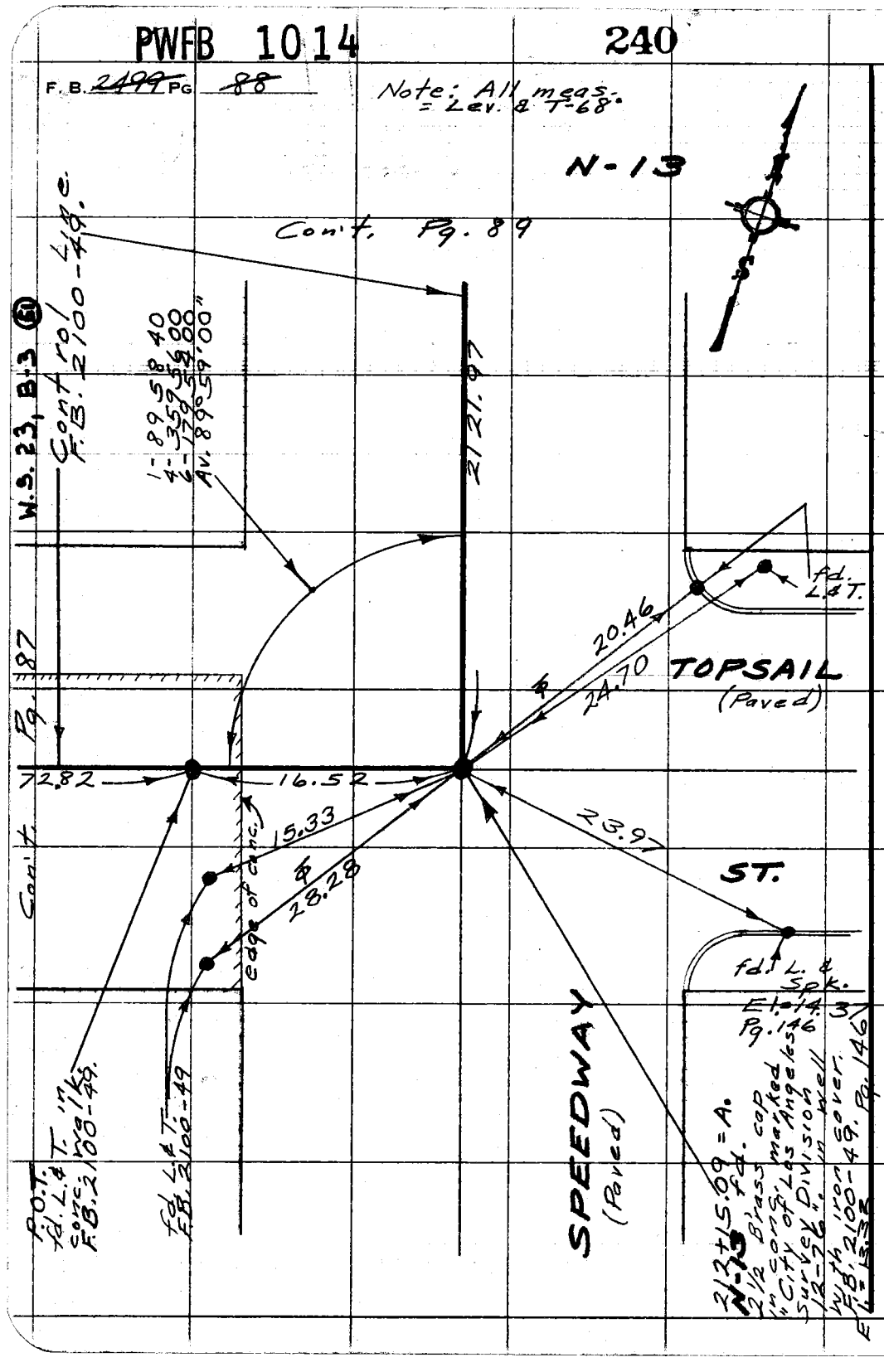
76F309S CE#310 3-69

F. B. ~~2499~~ PG ~~88~~

Note: All meas. = Lev. & T-68.



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PWFB 1014

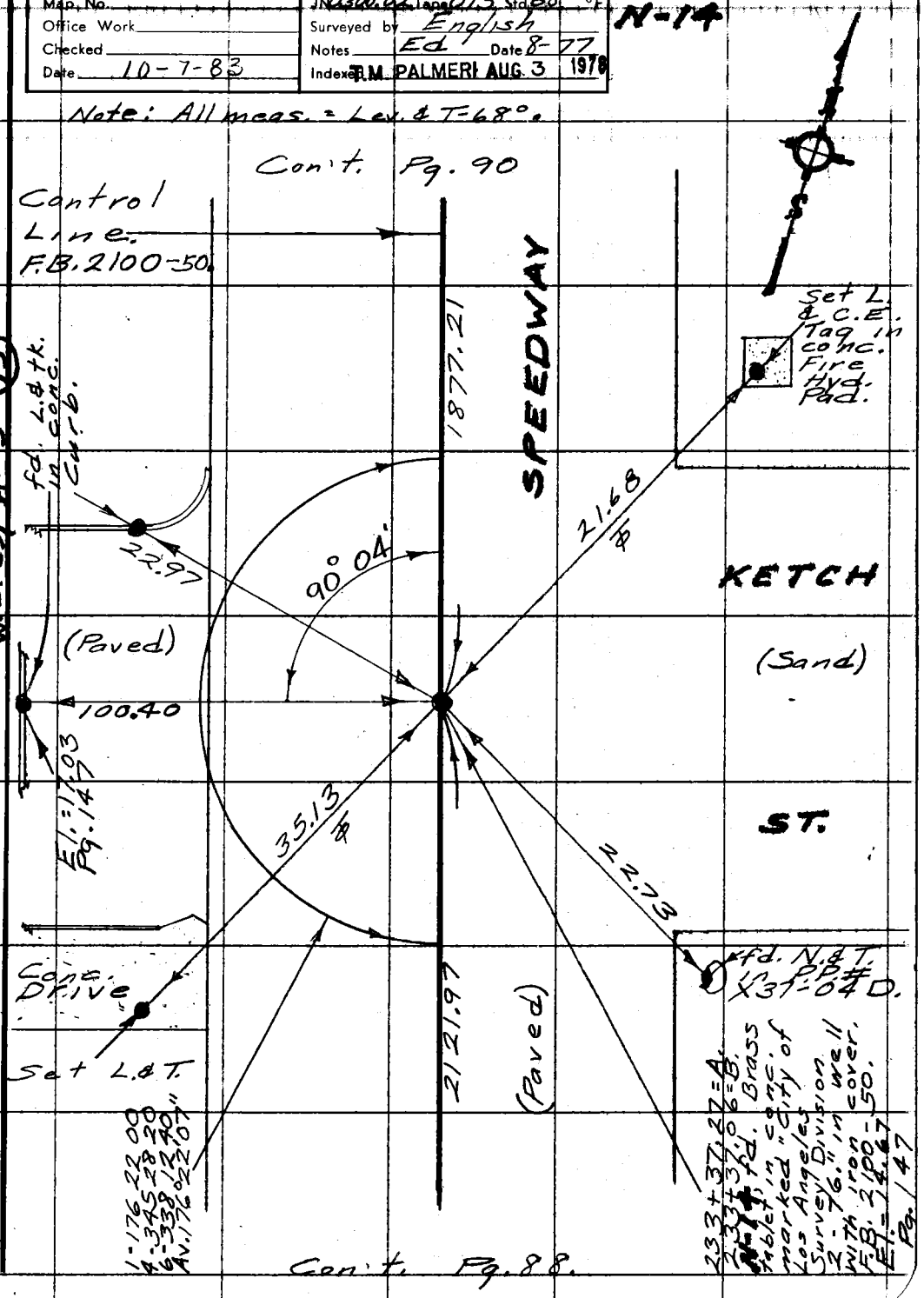
241

Notes Ck'd by ORTEGA	Survey of Control Line
Map No.	JN 0300.02 Tape 015 Std 68 °F
Office Work	Surveyed by English
Checked	Notes Ed Date 8-77
Date 10-7-83	Indexed T.M. PALMERI AUG 3 1978

F. B. ~~2499~~ Pg. ~~89~~

N-14

Note: All meas. = Lev. & T-68°.



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

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W.S. 23, A-3 (73)

76F309S CE#310 3-69

✓ PWFB 1014 242, 243

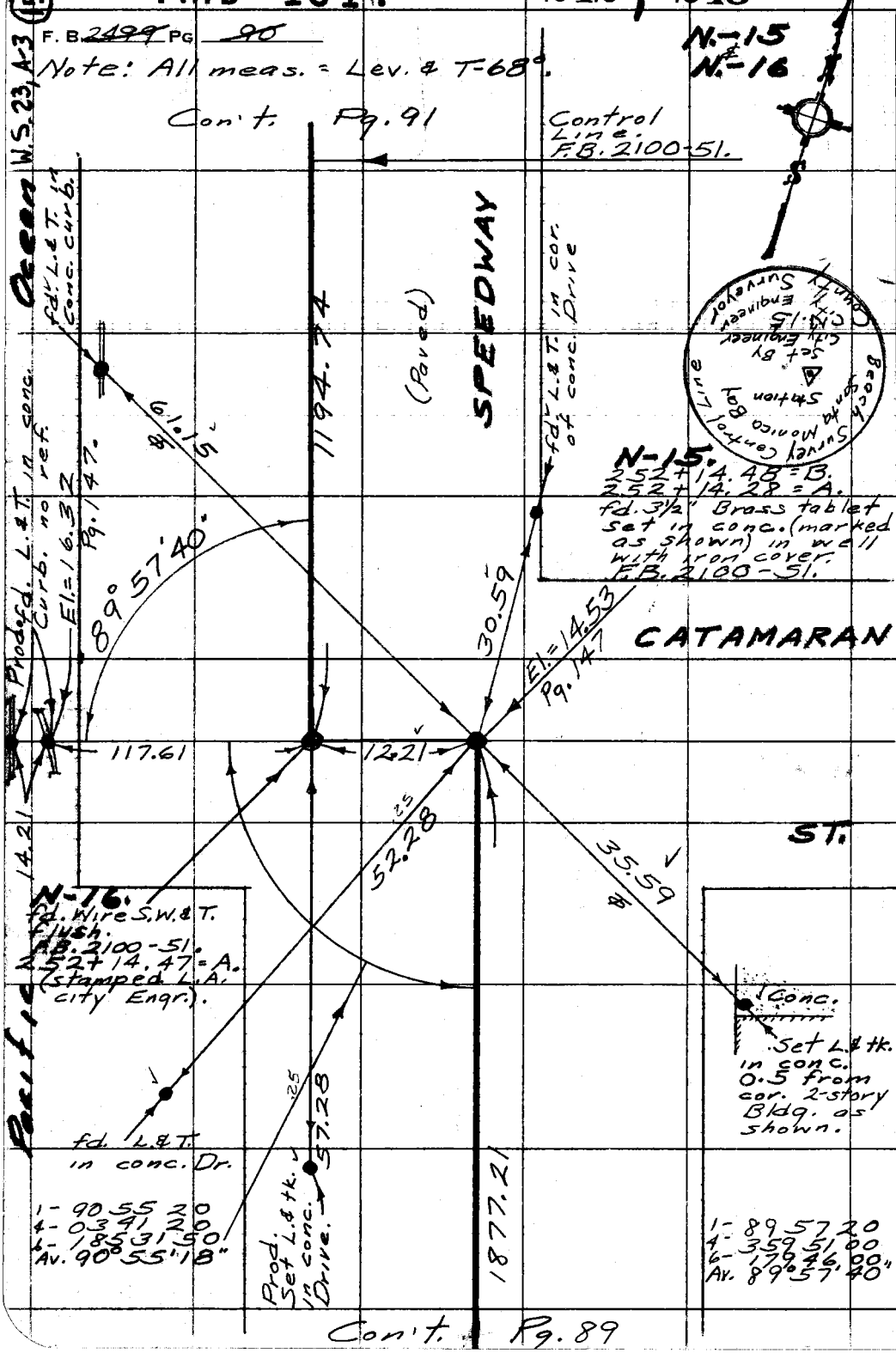
(15)

F. B. 2499 PG 90

Note: All meas. = Lev. & T-68°.

Con't. Pg. 91

W.S. 23, A-3



Con't. Pg. 89

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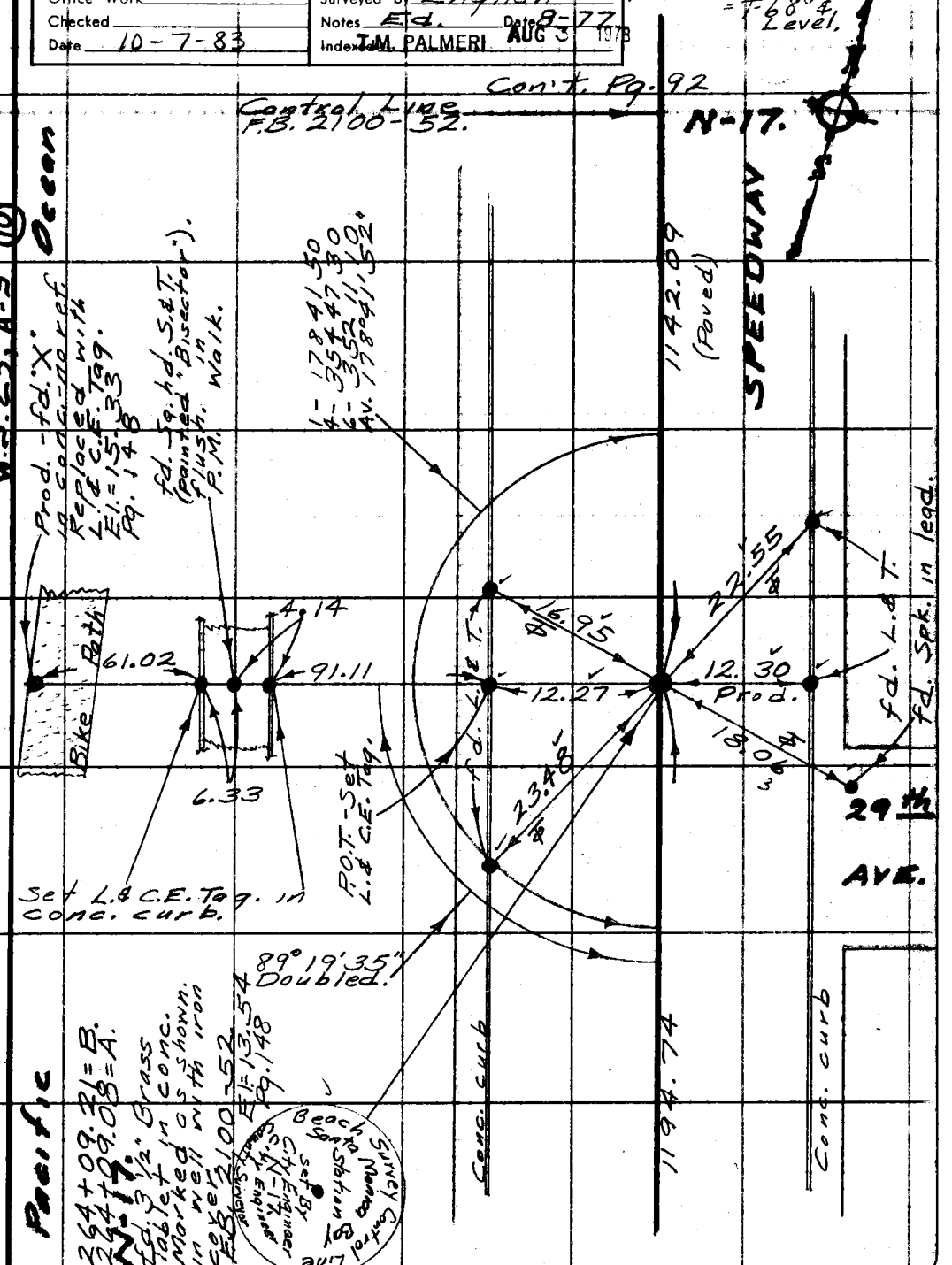
PWFB 1014

244

Notes Ck'd by ORTEGA	Survey of Control Line	F. B. ~~2499~~ PG. ~~91~~
Map No.	JN 030002 Scope 193 Std. 68 °F	Note: All meas. = T-68° & Level.
Office Work	Surveyed by English	
Checked	Notes Ed. Date 8-77	
Date 10-7-83	Indexed T.M. PALMERI AUG 3 1978	



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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 3-69

Con't. Pg. 90

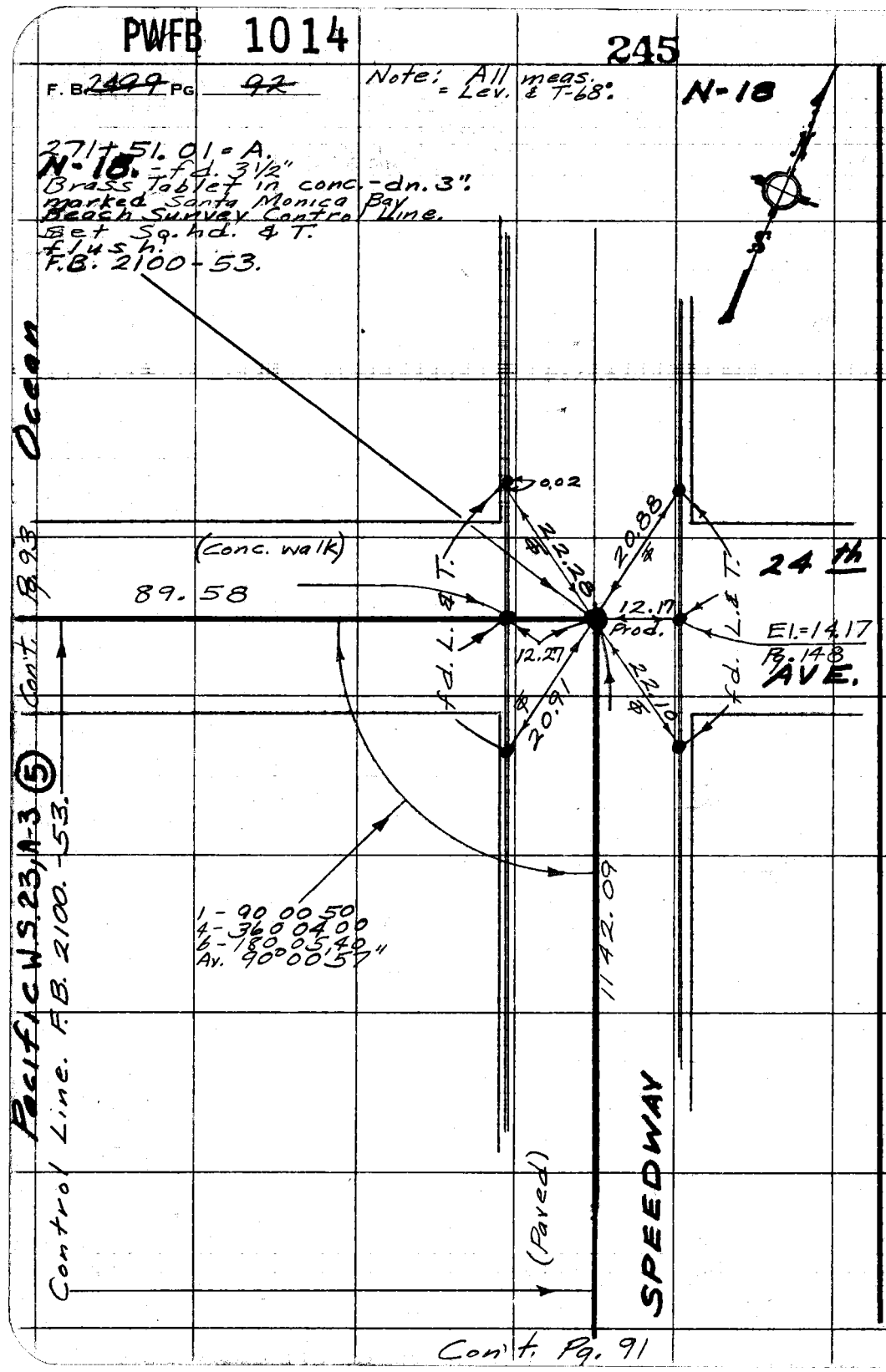
PWFB 1014

245

F. B. ~~2499~~ PG ~~92~~

Note: All meas. = Lev. & T-68.

N-10



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PWFB 1014 246

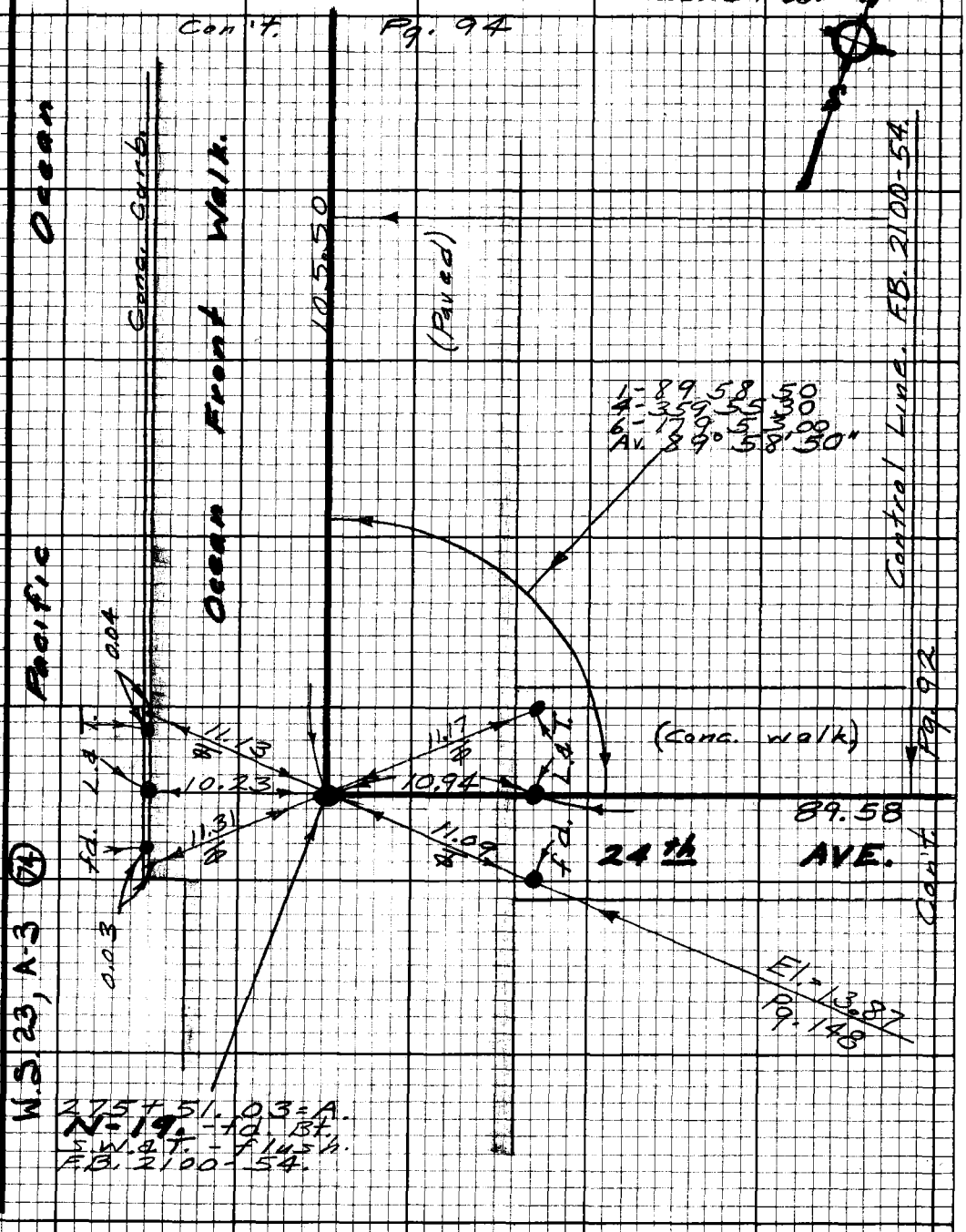
Notes Ck'd by ORTEGA
Map No.
Office Work
Checked
Date 10-7-83

Survey of Control Line
JN 0300.02 Tape 193 Std 68 °F
Surveyed by English
Notes Ed. Date 8-77
Indexed T.M. PALMERI AUG 3 1978

F.B. ~~2499~~ Pg. ~~93~~

N-19.

Note: All meas. = Lev. & T-68°



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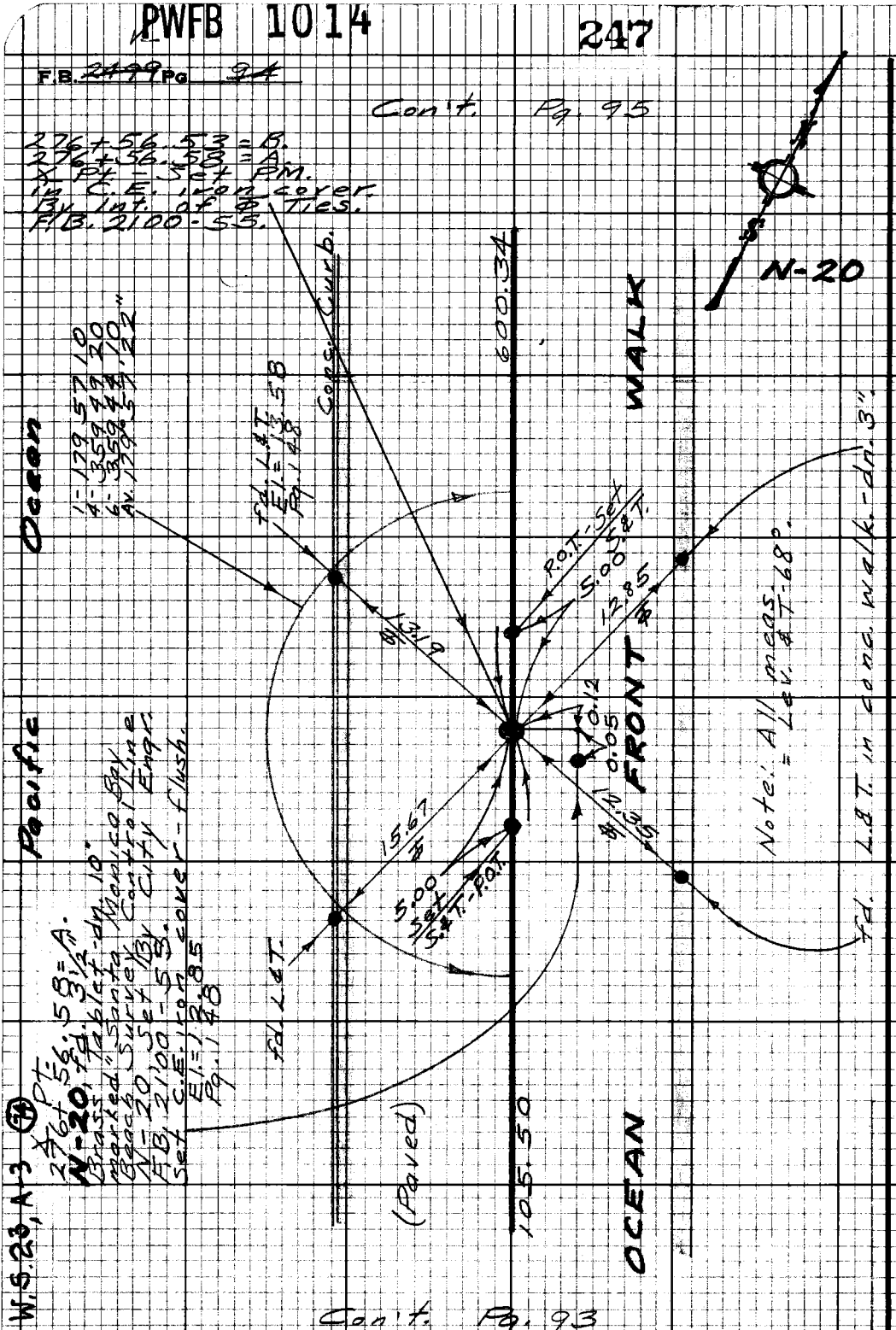
403 LOS ANGELES COUNTY ENGINEERING BLDG.

7653098 CE#310 9.67

F.B. ~~2499~~ Pg ~~94~~

Con't. Pg. 95

276+56.53 = B.
276+56.58 = A.
X Pt - Set P.M.
in C.E. iron cover.
By Int. of Φ Ties.
F.B. 2100-55.



Con't. Pg. 93

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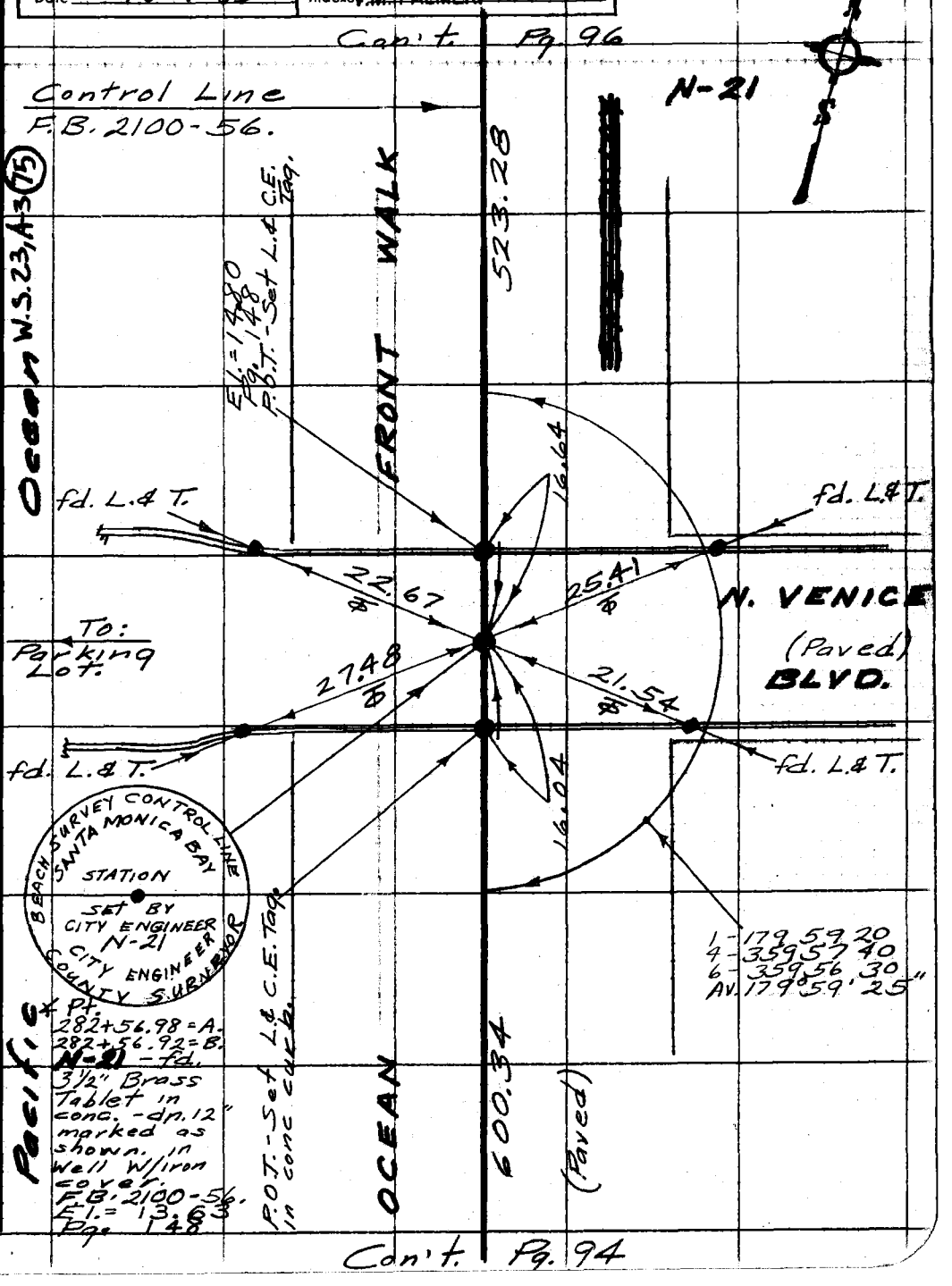
PWFB 1014 248

Notes Ck'd by ORTEGA	Survey of Control Line	F. B. ~~2499~~ PG. ~~95~~
Map. No.	JN 0300.02 Tape 193 Std 68 °F	
Office Work	Surveyed by English	Note: All meas. = Lev. & T-68°.
Checked	Notes Ed. Date 8-77	
Date 10-7-83	Indexed T.M. PALMERI AUG 3 1978	



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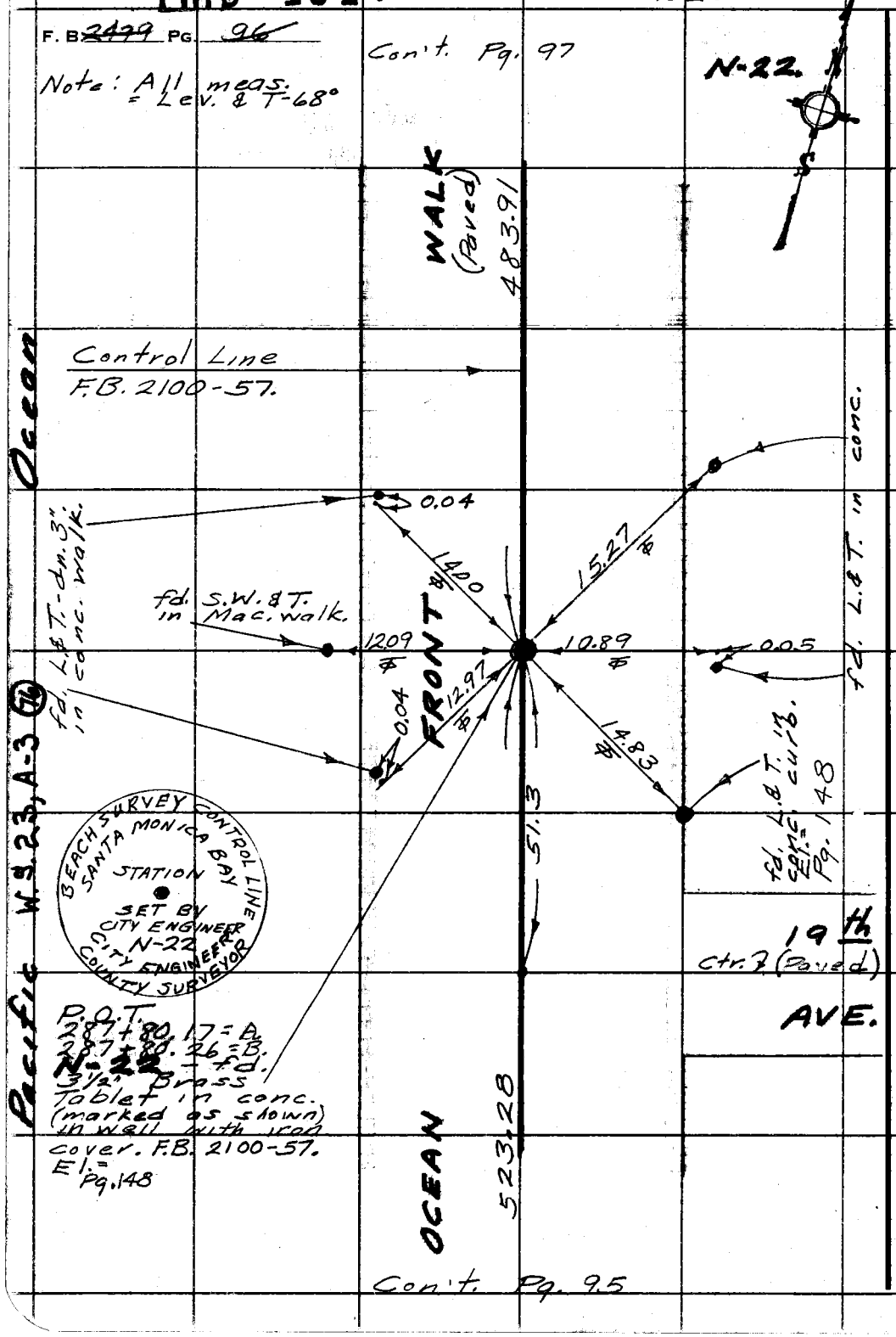
76F309S CE#310 3-69

F. B. ~~2479~~ PG. ~~96~~

Note: All meas. = Lev. & T-68°

Con't. Pg. 97



Con't. Pg. 95

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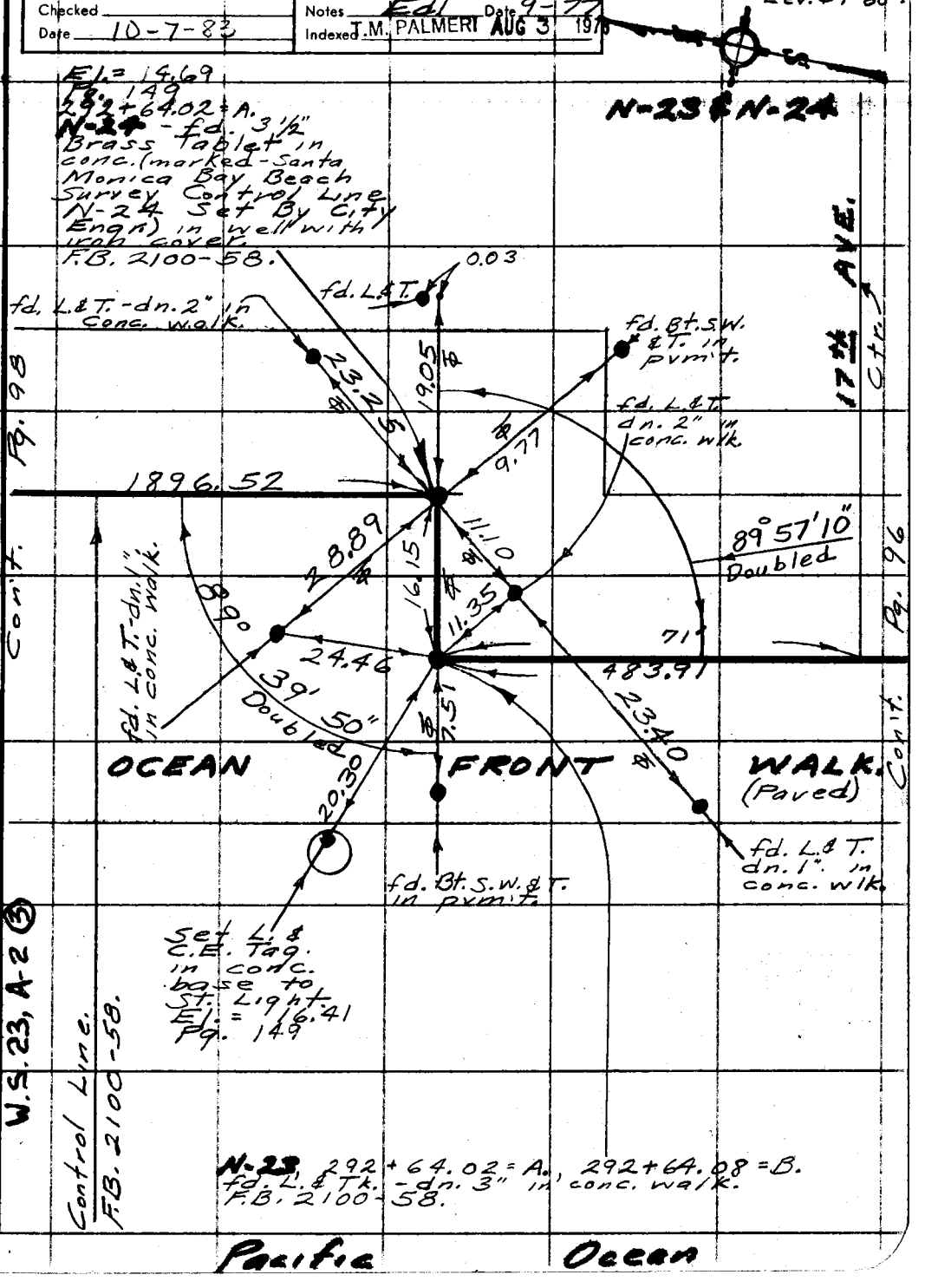
PWFB 1014 250, 251

Notes Ck'd by ORTEGA	Survey of Control Line	F. B. ~~2499~~ PG. ~~97~~
Map No.	JN 030002 Tape 0193 Std 68 °F	Note: AN meas. Lev. & T-68°.
Office Work	Surveyed by English	
Checked	Notes Ed Date 9-77	
Date 10-7-83	Indexed T.M. PALMERI AUG 3 1978	



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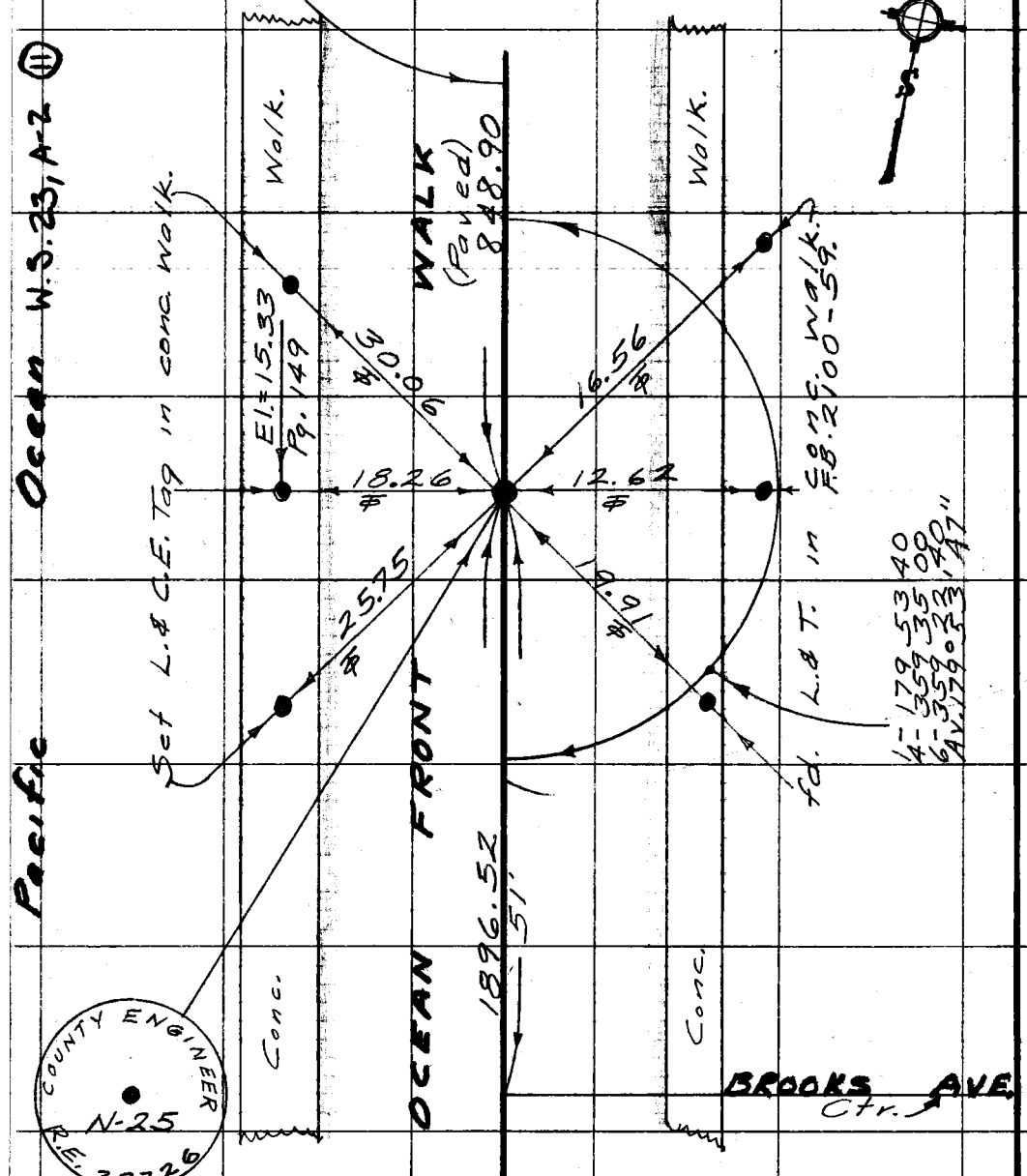
76F309S CE#310 3-69

PWFB 1014 252

F. B. 2499 PG 98

Note: All meas. = Lev. & T-68°.

Control Line. F.B. 2100-59.



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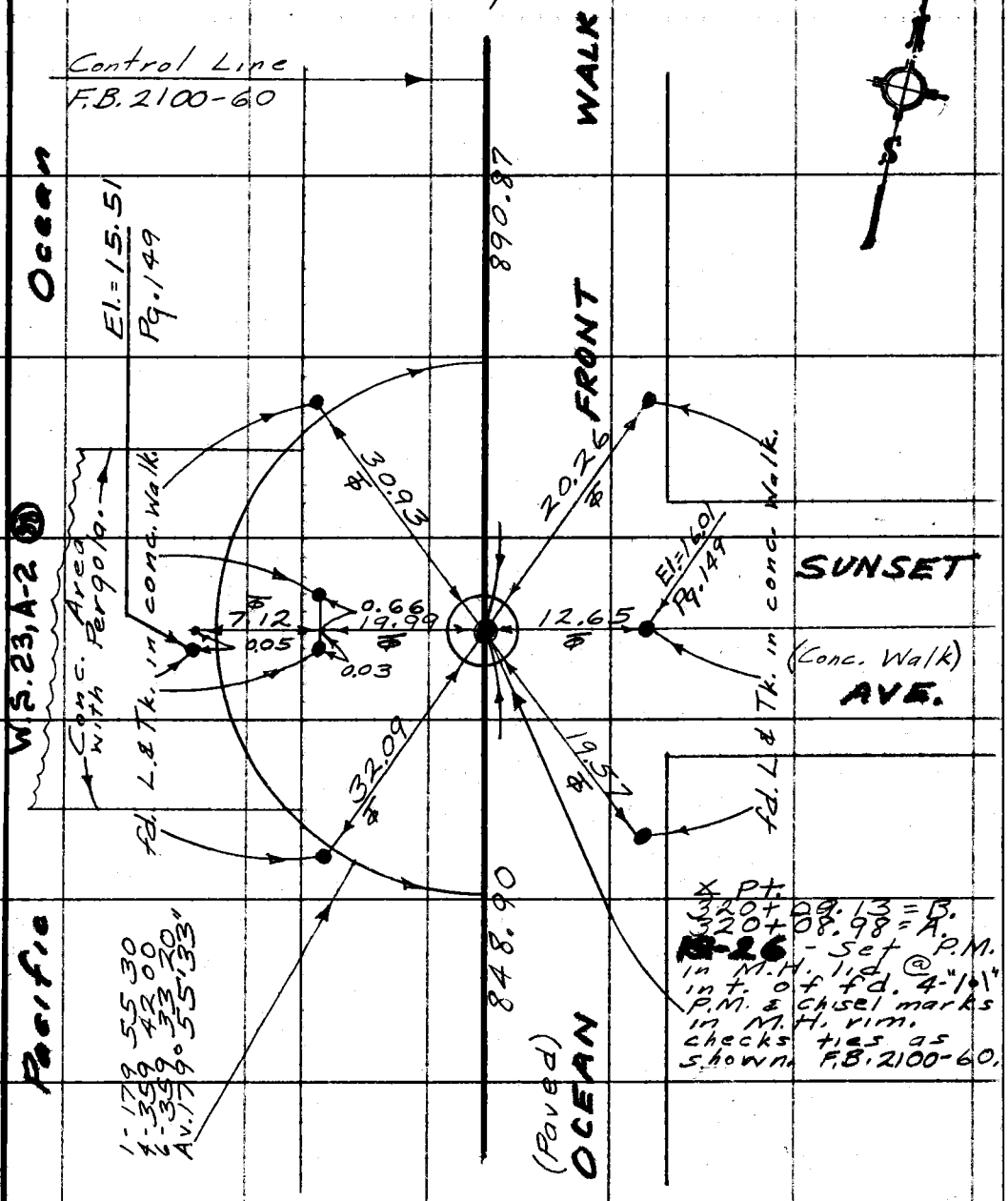
N-25, X Pt., 311+60.23 = A, 311+60.54 = B.
Searched dn. 36". fd. nothing. F.B.2100-59.
Set Std. C.E. Brass cap mon. (marked as shown)
dn. 12" in well. Set C.E. iron cover-flush.
By ties as shown. F.B.2100-59.

El.= 14.87, Pg. 199.

PWFB 1014 253

Notes Ck'd by ORTEGA	Survey of Control Line	F. B. ~~2499~~ Pg. ~~99~~
Map No.	JN 0300.02 Tape 0193 Std 68 °F	Note: All meas. = Lev. & T-68°.
Office Work	Surveyed by English	
Checked	Notes Ed. Date 9-77	
Date 10-7-83	Indexed T.M. PALMERI AUG 3 1978	

Con't. Pg. 100



X Pt.
320+09.13 = B.
320+08.98 = A.
B-26 - Set P.M. in M.H. lid @ int. of fd. 4-1.1" P.M. & chisel marks in M.H. rim. checks ties as shown. F.B. 2100-60.

Con't. Pg. 98

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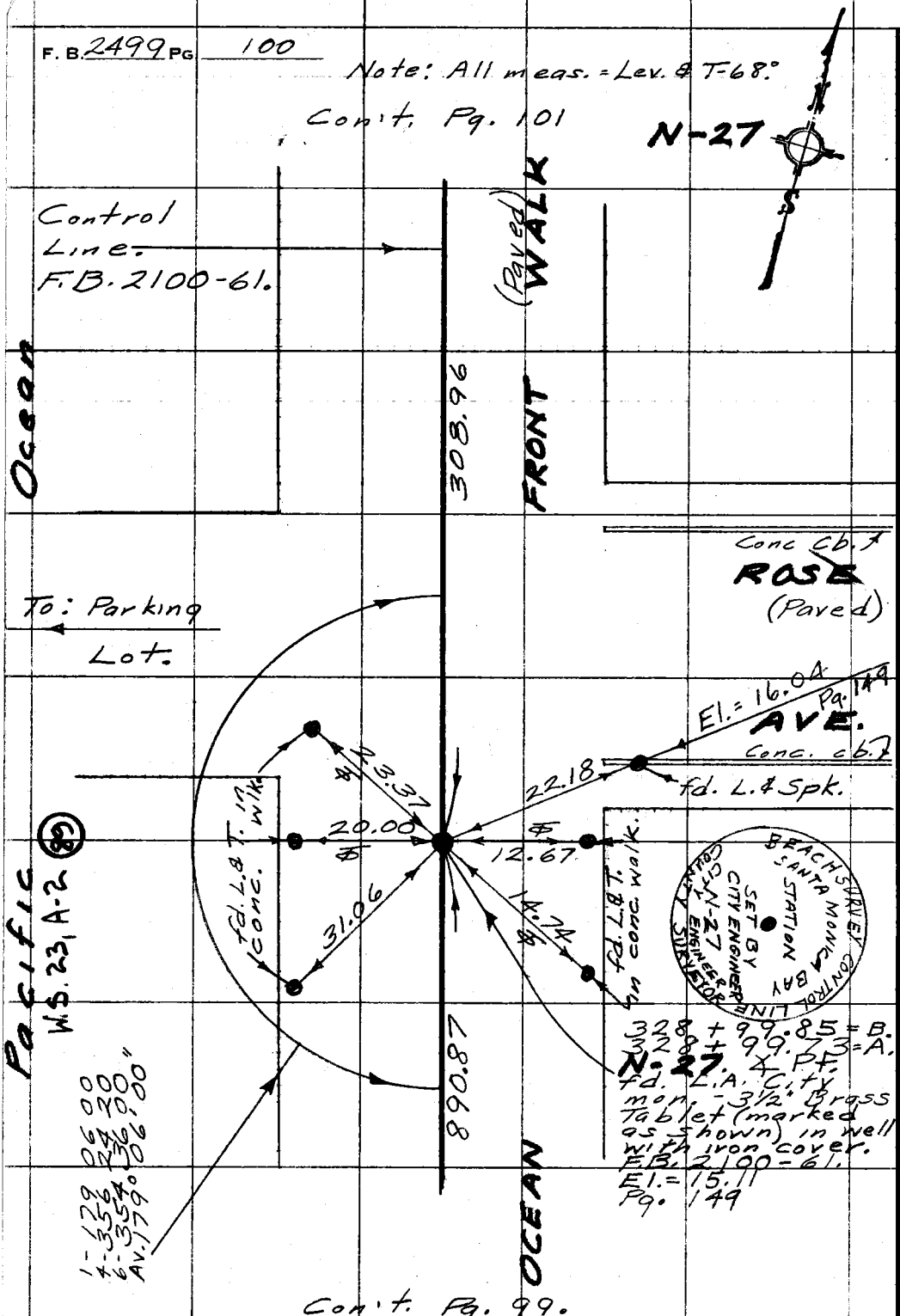
76F309S CE#310 3-69

F. B. 2499 PG 100

Note: All meas. = Lev. & T-68°

Con't. Pg. 101



Con't. Pg. 99.

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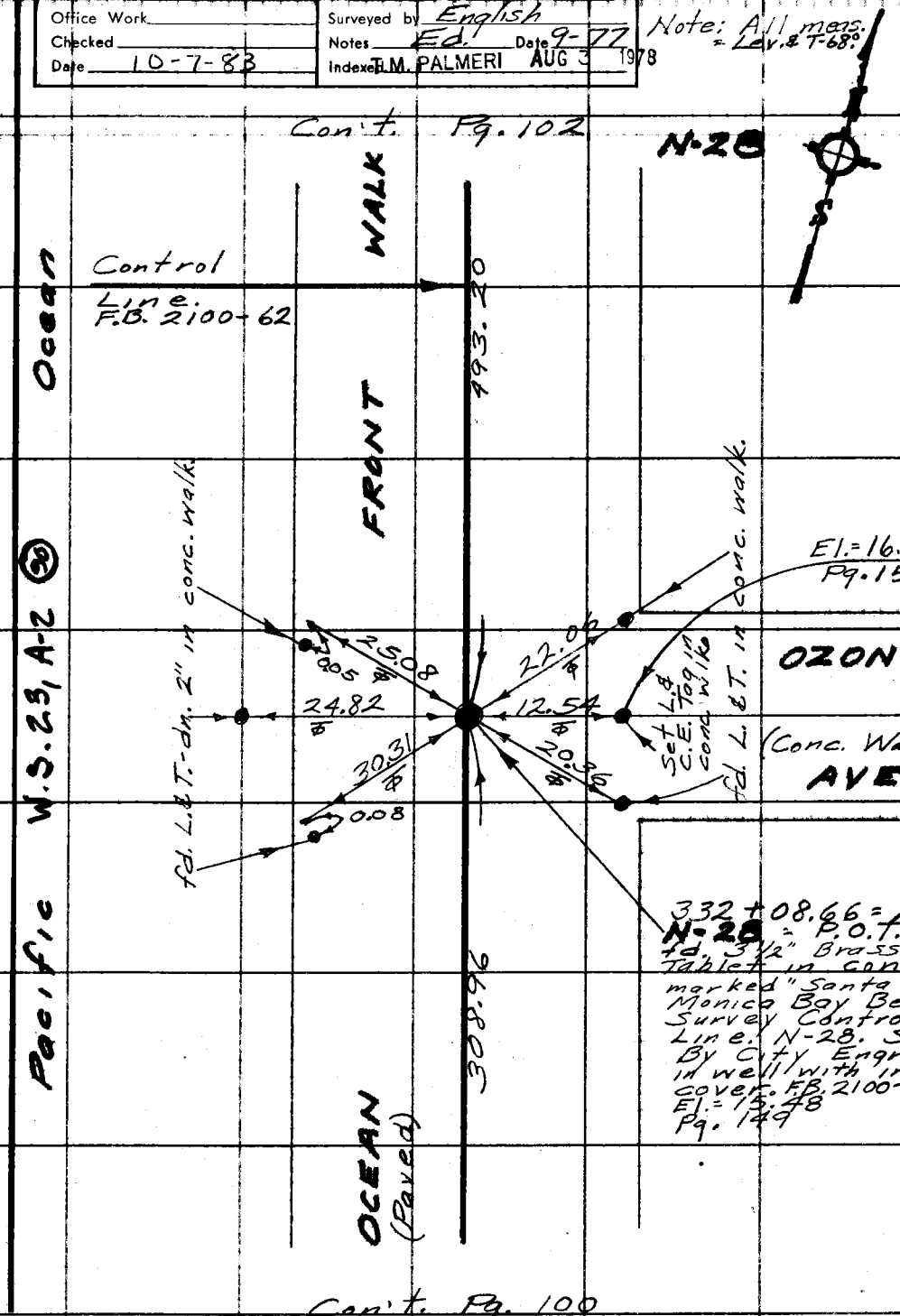
PWFB 1114

38

Notes Ck'd by ORTEGA	Survey of Control Line
Map No.	JN 030002 Tape 0193 Std. 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 9-77
Date 10-7-83	Indexed T.M. PALMERI AUG 3 1978

F. B. ~~2499~~ Pg. ~~101~~

Note: All meas. = Lev. & T-68°



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76F309S CE#310 3-69

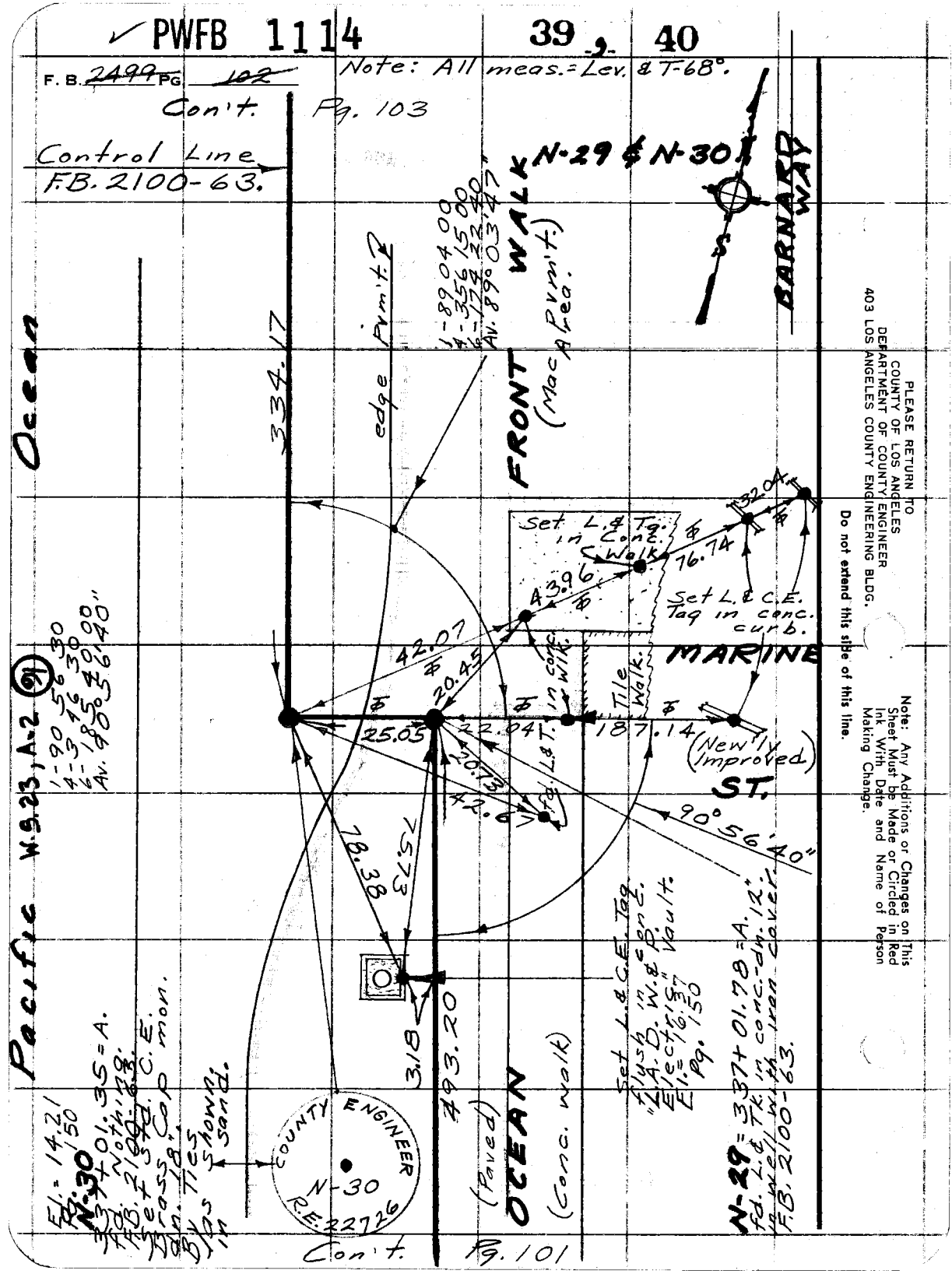
✓ PWFB 1114 39 - 40

F. B. ~~2499~~ PG ~~102~~

Note: All meas. = Lev. & T-68°.

Con't. Pg. 103

Control Line
F.B. 2100-63.



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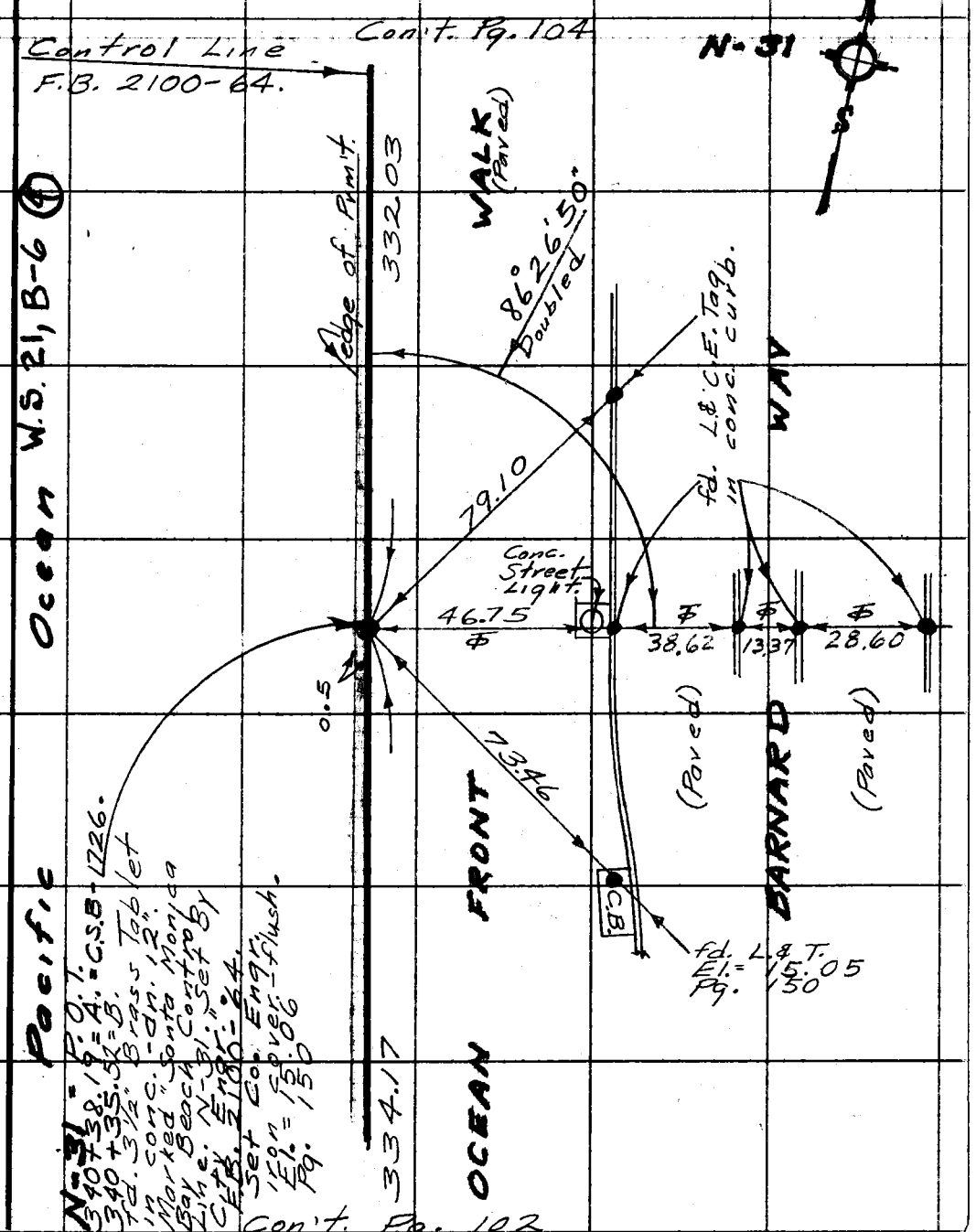
PWFB 1114

41

Notes Ck'd by	Survey of Control Line	F. B. ~~2499~~ Pg. ~~103~~
Map No.	JN 0300.02 Tape 0193 Std 68 °F	
Office Work	Surveyed by English	Note: All meas. = Lev. & T-68°.
Checked	Notes Ed. Date 9-77	
Date	Indexed T.M. PALMERI AUG 3 1978	



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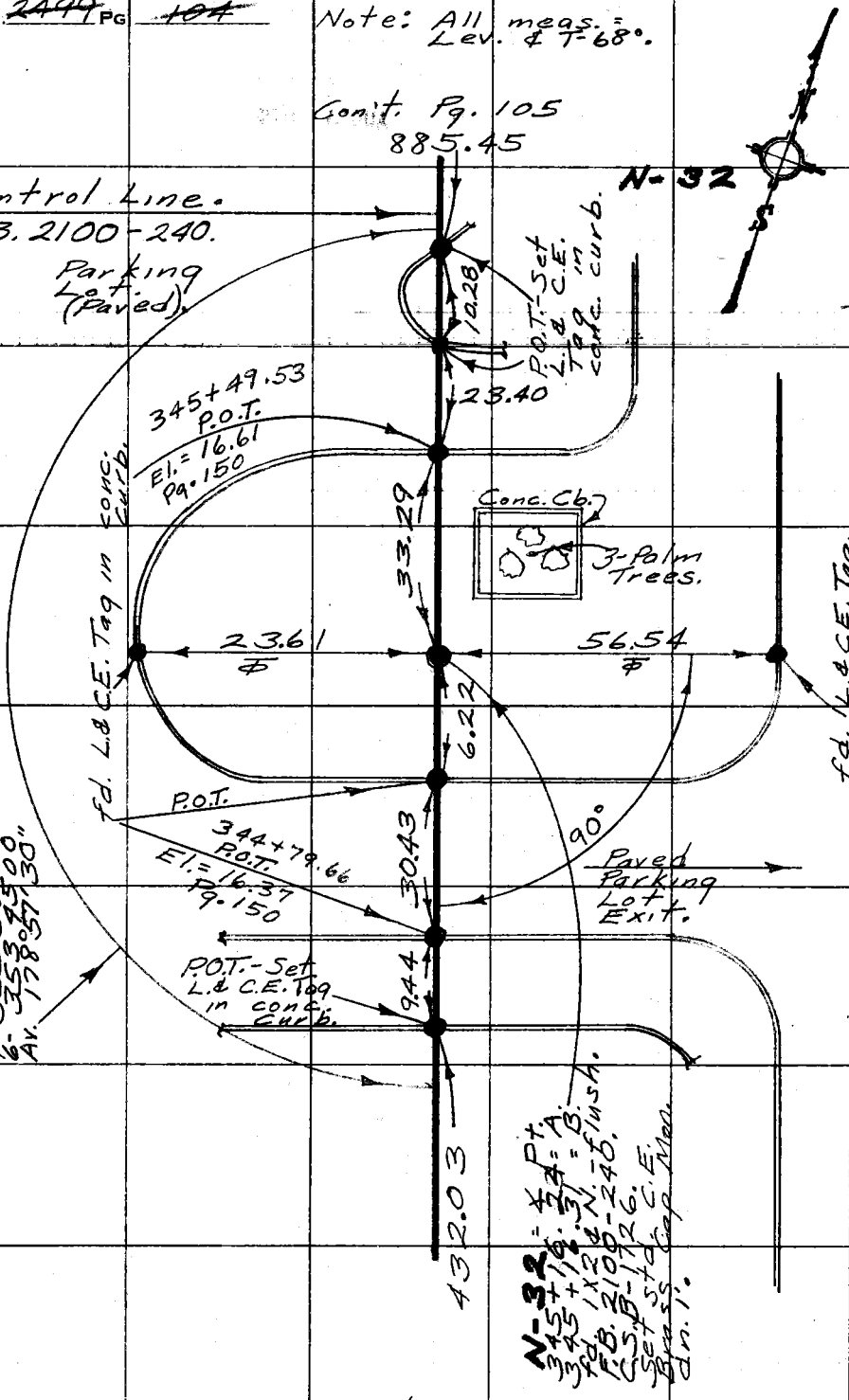
76F309S CE#310 3-69

PWFB 1114

42

F. B. ~~2499~~ PG ~~104~~

Note: All meas. = Lev. & T-68°.



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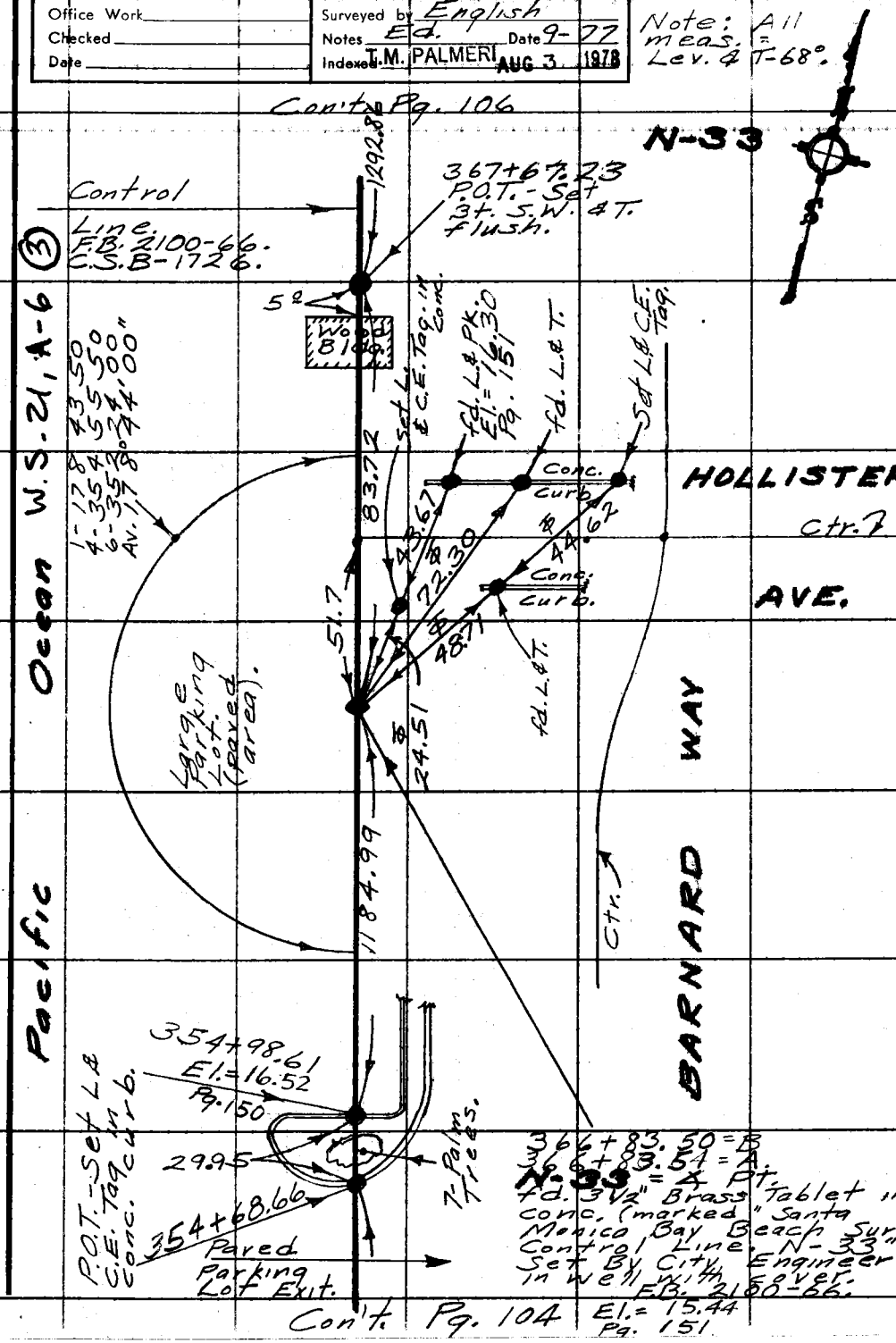
Con't. Pg. 103

PWFB 1114

43

Notes Ck'd by	Survey of Control Line	F. B. ~~2499~~ Pg. ~~105~~
Map No.	JN 0300.02 Tape 193 Std. 68 °F	
Office Work	Surveyed by English	Note: All meas. = Lev. & T-68°.
Checked	Notes Ed. Date 9-77	
Date	Indexed T.M. PALMERI AUG 3 1978	



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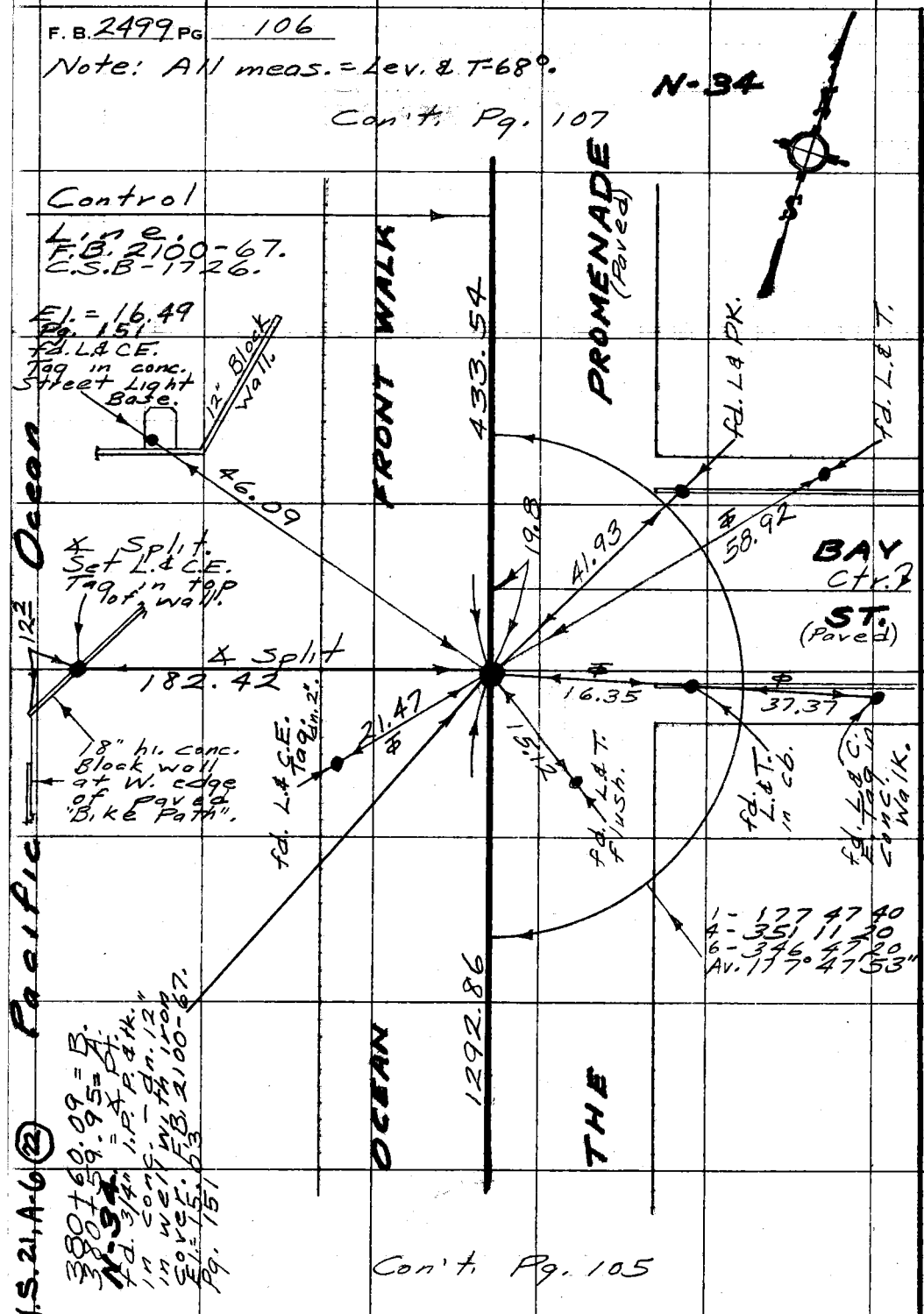
76F309S CE#310 3-69

F. B. 2499 PG 106

Note: All meas. = Lev. & T-68°.

Con't. Pg. 107



Con't. Pg. 105

W.S. 21, A-6 (22)

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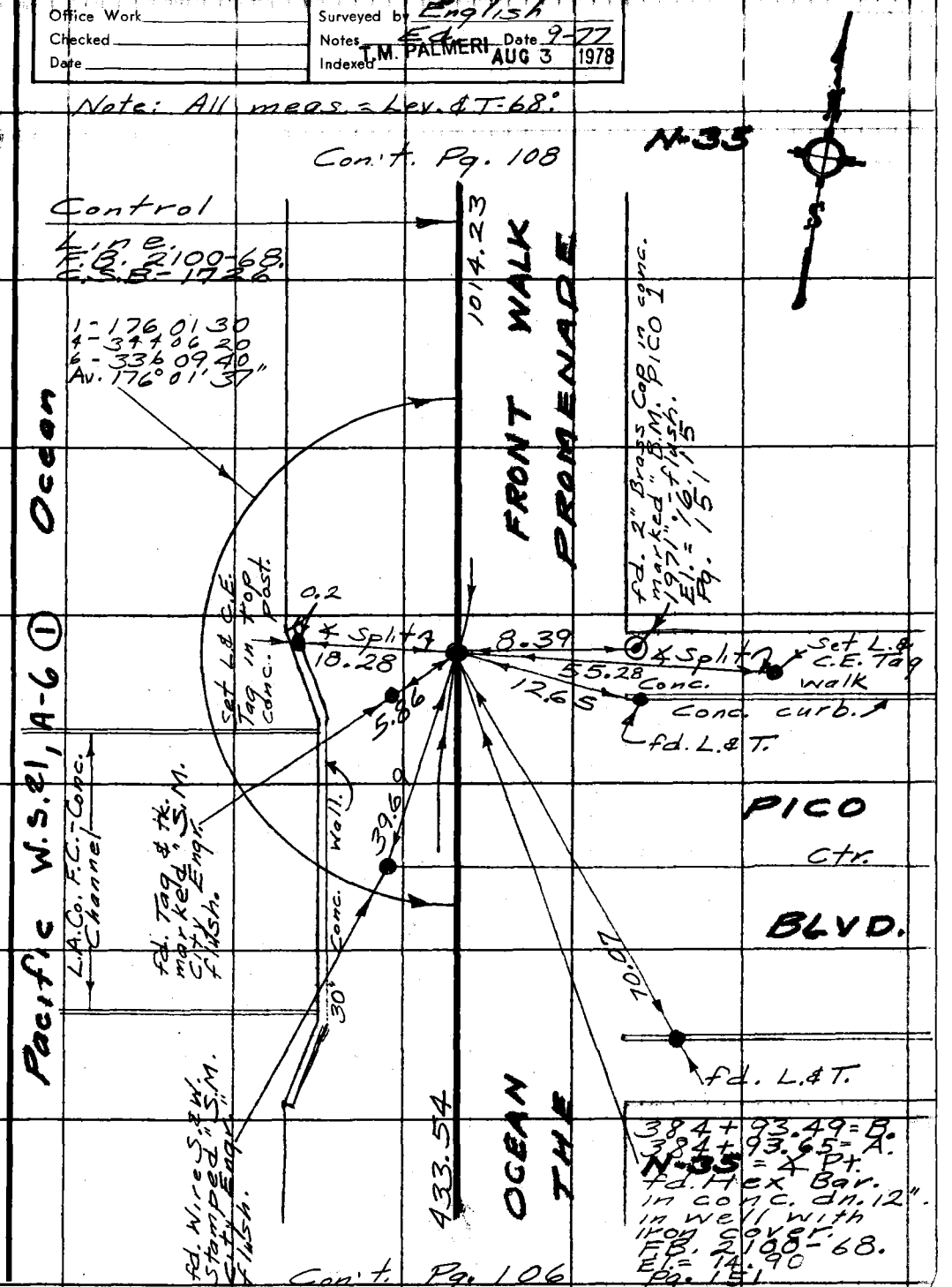
PWFB 1113

84

Notes Ck'd by	Survey of Control Line	F. B. ~~2499~~ Pg. ~~107~~
Map No.	JN 2300.02 Tape 193 Std 68 °F	
Office Work	Surveyed by English	
Checked	Notes Ed. Date 9-77	
Date	Indexed T.M. PALMERI AUG 3 1978	

Note: All meas. = Lev. & T-68°.



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

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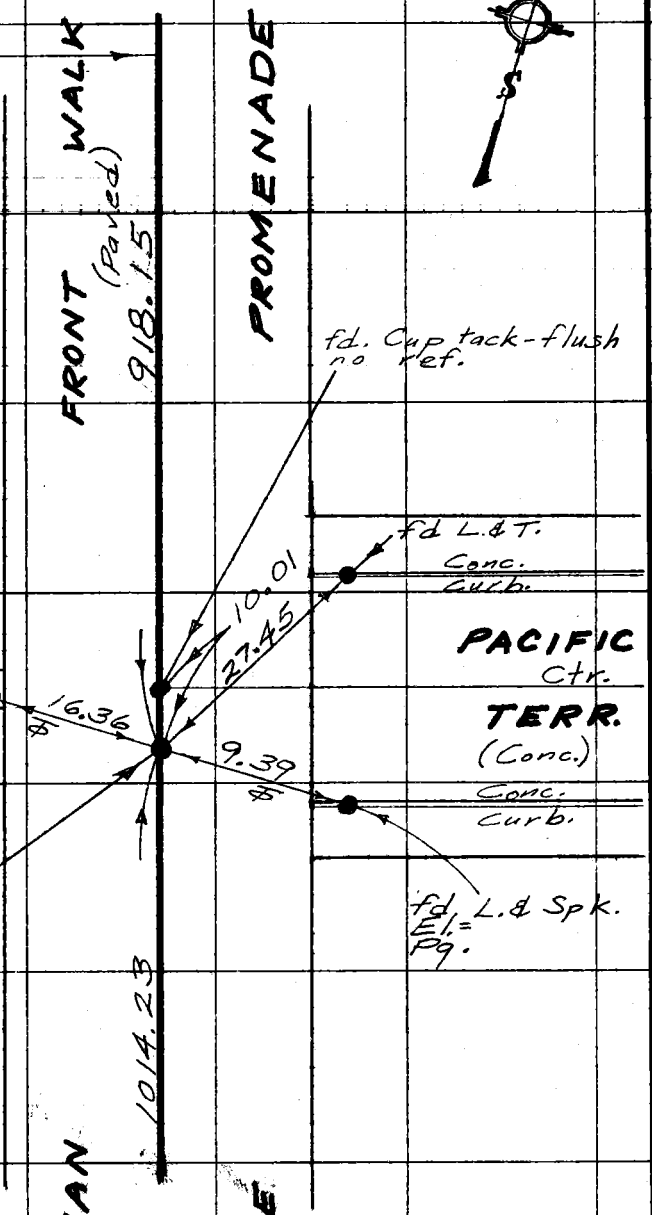
76F309S CE#310 3-69

F. B. ~~2199~~ PG. ~~108~~

Note: All meas.=Lev. & T-68°

Con't. Pg. 109

Control Line
F.B. 2100-69
C.S.B-1726.



Con't. Pg. 107

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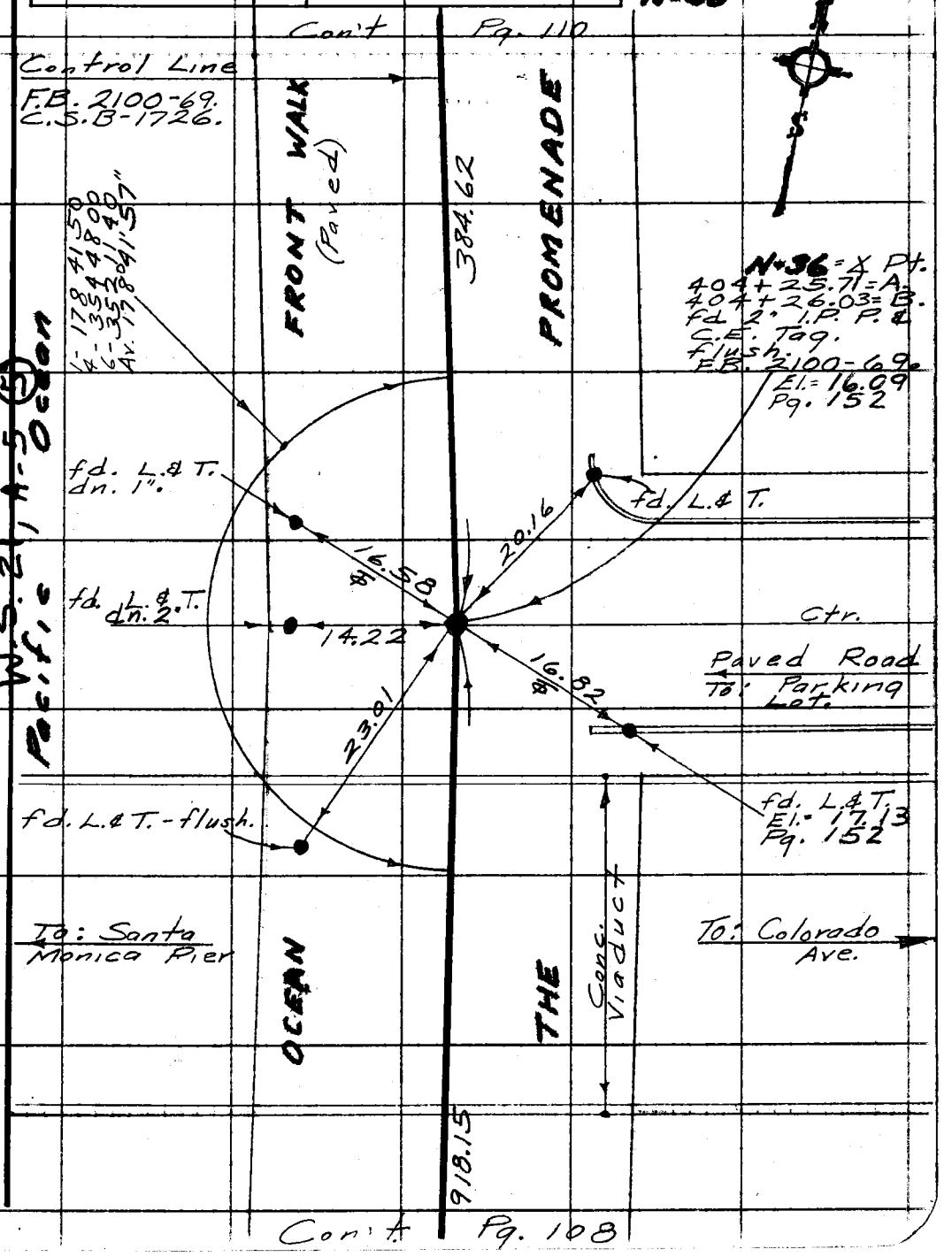
PWFB 1113

86

Notes Ck'd by	Survey of Control Line	F. B. ~~2499~~ Pg. ~~109~~
Map No.	JN 0300.02 Tape 0193 Std. 68 °F	Note: All meas. = Lev. & T-68°.
Office Work	Surveyed by English	
Checked	Notes Ed. Date 9-77	
Date	Indexed T.M. PALMERI AUG 3 1978	



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76F309S CE#310 3-69

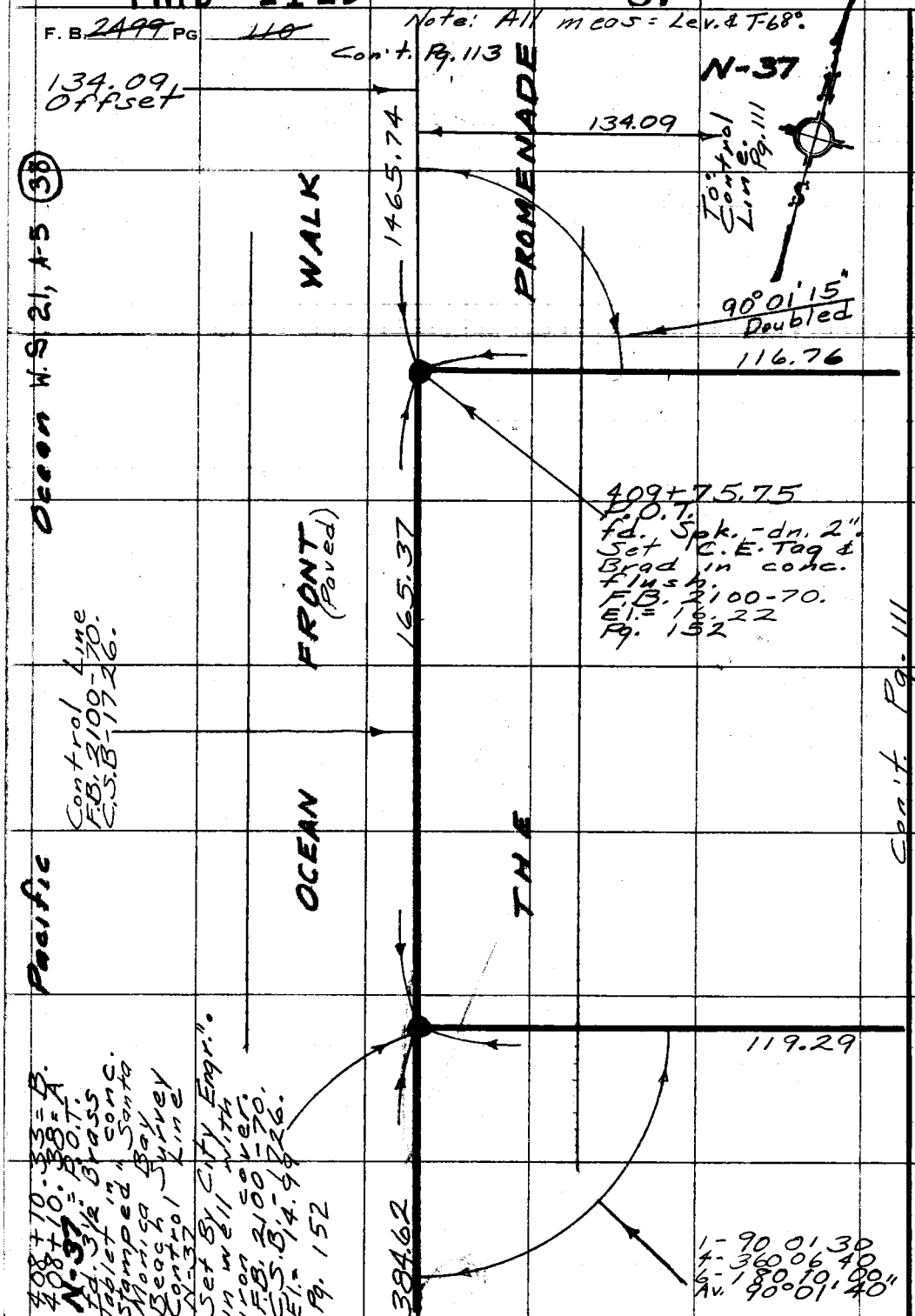
PWFB 1113

87

F. B. 2499 PG 110

Note: All meas = Lev. & T-68°.

Con't. Pg. 113



Con't. Pg. 109

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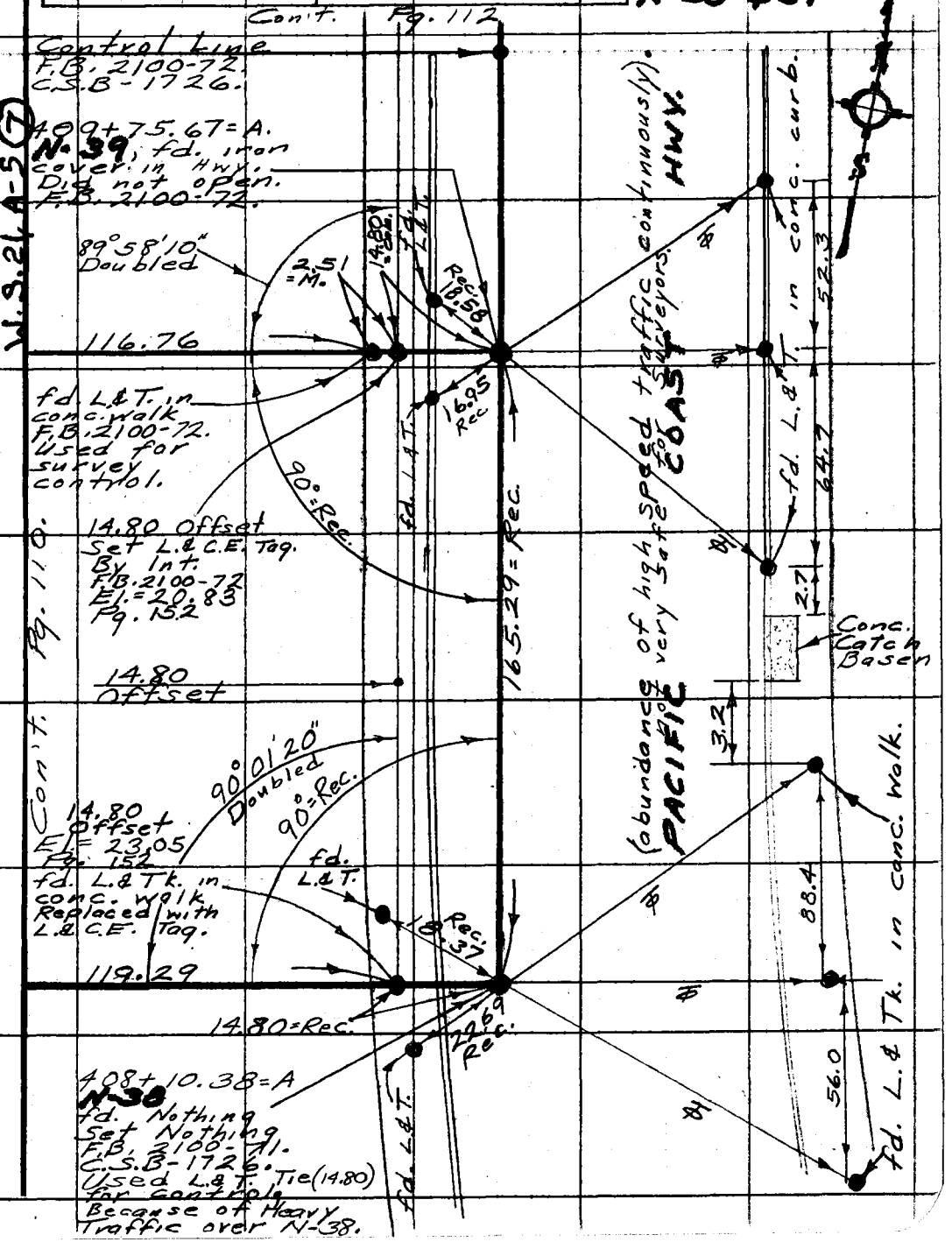
PWFB 1113 88, 89

Notes Ck'd by	Survey of Control Line	F. B. ~~2499~~ Pg. ~~111~~
Map No.	JN 030002 Tape 0193 Std. 68 °F	Note: All meas. = Lev. & T = 68°.
Office Work	Surveyed by English	
Checked	Notes Ed. Date 9-77	N-38 & 39
Date	Indexed T.M. PALMERI AUG 3 1978	



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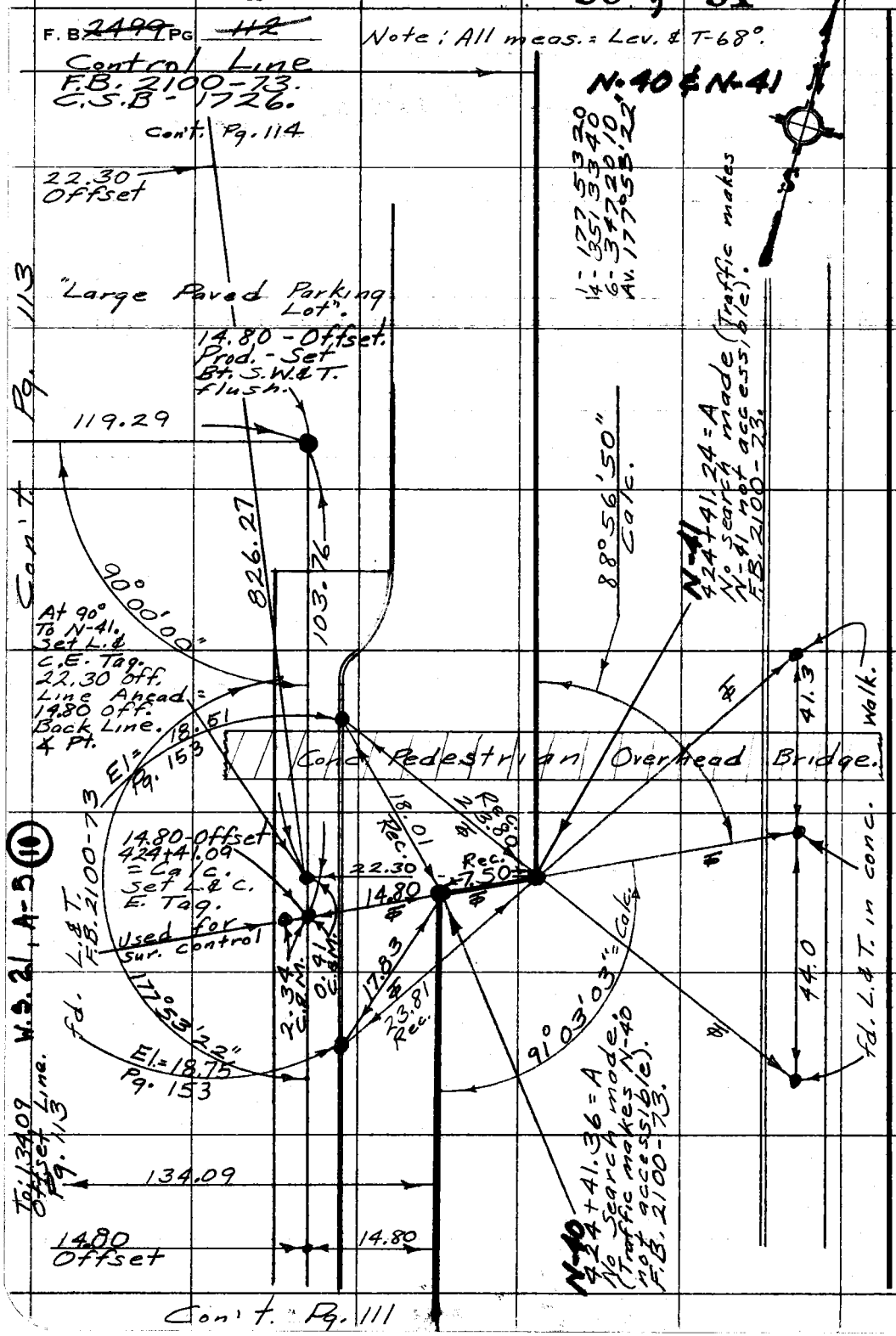
76F309S CE#310 3-69

PWFB 1113

90 , 91

F. B. ~~2499~~ PG ~~112~~

Note: All meas. = Lev. & T-68°.



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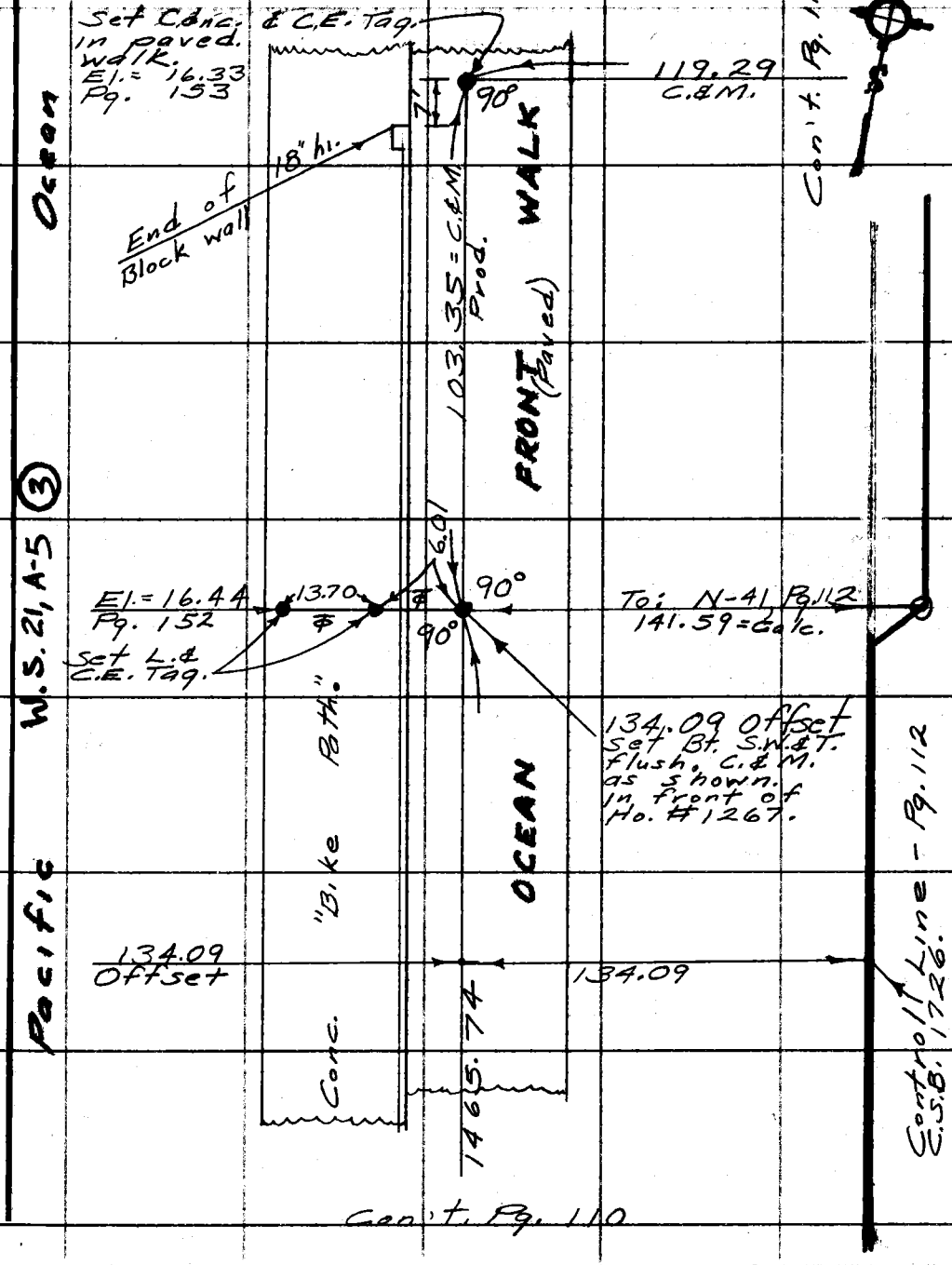
PWFB 1113 92, 93

Notes Ck'd by	Survey of Control Line	F. B. ~~2499~~ PG. ~~113~~
Map No.	JN 030002 Tape 193 Std 68 °F	
Office Work	Surveyed by English	Note: All meas. = Lev. & T-68°.
Checked	Notes Ed. Date 10-77	
Date	Indexed T.M. PALMERI AUG 3 1978	



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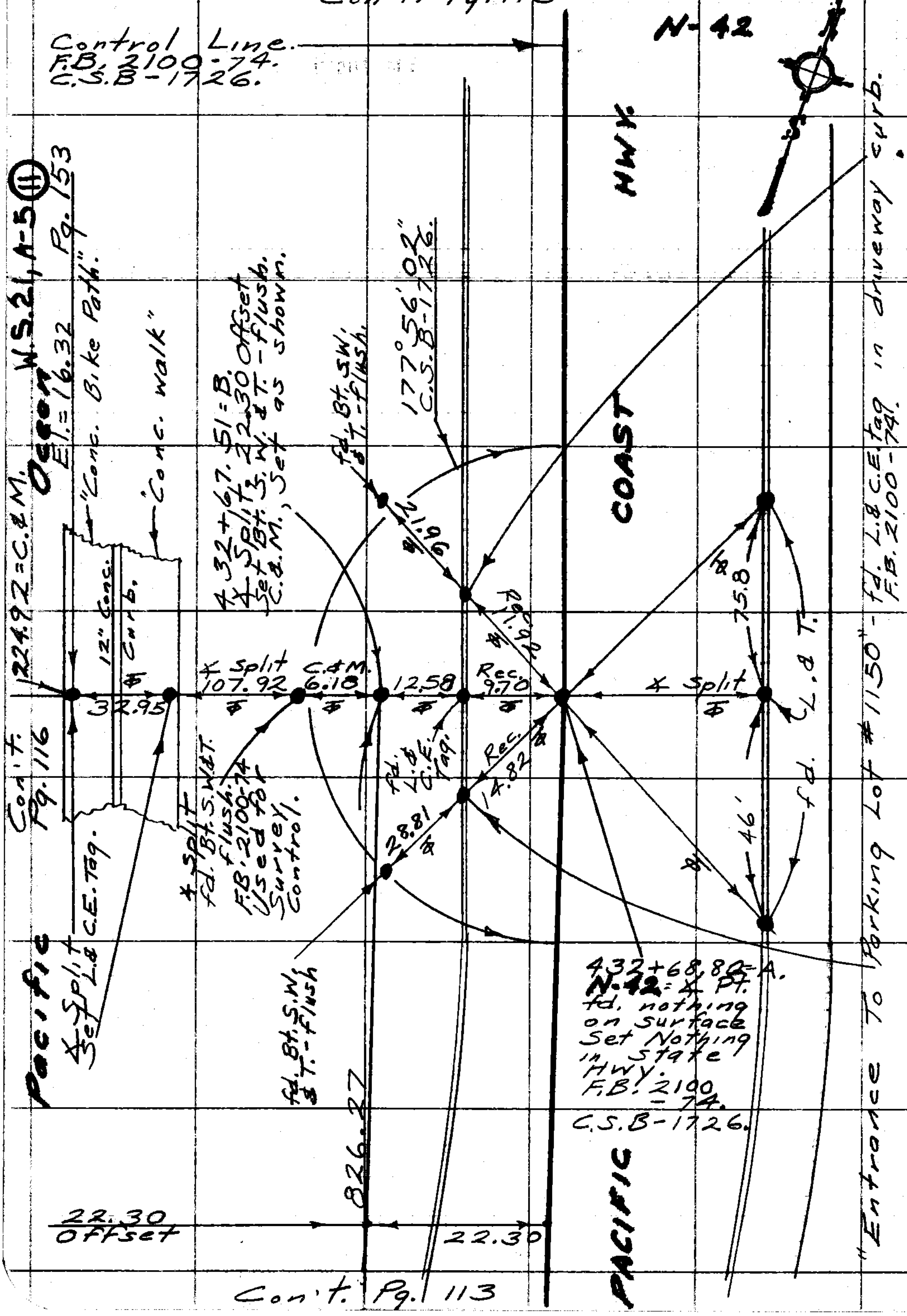
F. B. ~~2499~~ PG ~~114~~

Con't. Pg. 115

Note: All meas. = Lev. & T-68°.

N-42



Con't. Pg. 113

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PWFB 1213

61, 62

Notes Ck'd by	Survey of Control Line
Map No.	JN 2300.02 Map 4193 Std 68 °F
Office Work	Surveyed by English
Checked	Notes Ed Date 10-77
Date	Indexed T.M. PALMERI AUG 3 1978

F. B. ~~2499~~ Pg. ~~115~~

N-43 & N-43A

Note: All meas. = Lev. & T-68°.

fd. L. & Tk.

fd. L. & C.E. Tag.

1-91 14 40
4-4 59 00
6-187 28 20
Av. 91°14'43"

50.53

35.75

35.63 Prod.

49.90

PACIFIC COAST HWY.

1-96 18 40
4-215 15 00
6-217 52 30
Av. 96°18'45"

168°12'11"
C.S.B-1726.

84°31'11"
F.B. 2100-235.

56.46

40.20

57.26

fd. L. & Tk.

Control Line C.S.B-1726.

fd. L. & C.E. Tag.

Pl.

fd. L. & Tag. R.C.E. 6424.

El=15.91
Pg. 154

Set Bt. S. W. & T. - flush. in Paved Parking Lot.

House #501

N-43 ℄ Pt. 472+71.41=Ah. Did not recover because of freeway type traffic. F.B. 2100-75 & 235 C.S.B-1726.

6' C.L. Fn.

184

48.5

396.59 = Rec.

6' C.L. Fn.

Tee's

Block Wall

Set Bt. S.W. & T. in Paved Parking Lot.

15'

15'

Calc. = 394.18
Offset = 394.18

Cont. Pg. 117

Cont. Pg. 118

N-43A
472+27.78 = B.
6+39.95 = A. I.P.
Fd. 7.16'.
Pg. 79-dn.
C.J.C. 2100-236 Std. dn. 16'
F.B. 2100-236 with
Placed with or-
F.B. 2100-236 N-43A
Pg. 154
Cistern Pg. 117
El. = 112.07

27.78

152.96

91°14'43"

166.1

96°18'45"

180.28

275.07

22°09'40"
Doubled

21°29'40"
Doubled

1595.54

906.59

1-172 26 38
4-329 45 58
6-319 38 59
Av. 172°26'28"

Geodimeter Line.
F.B. 2100-236.

Pacific Ocean

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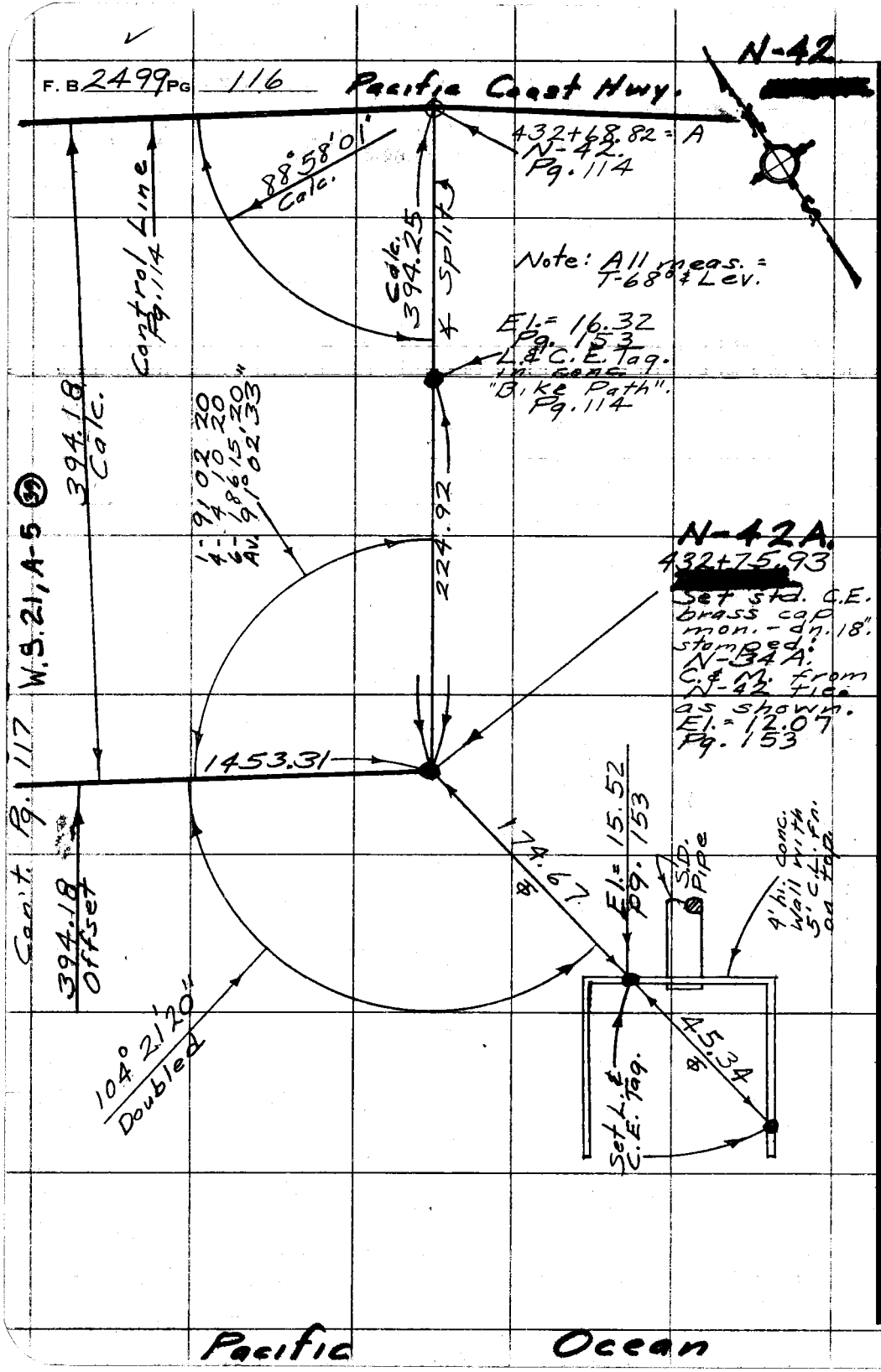

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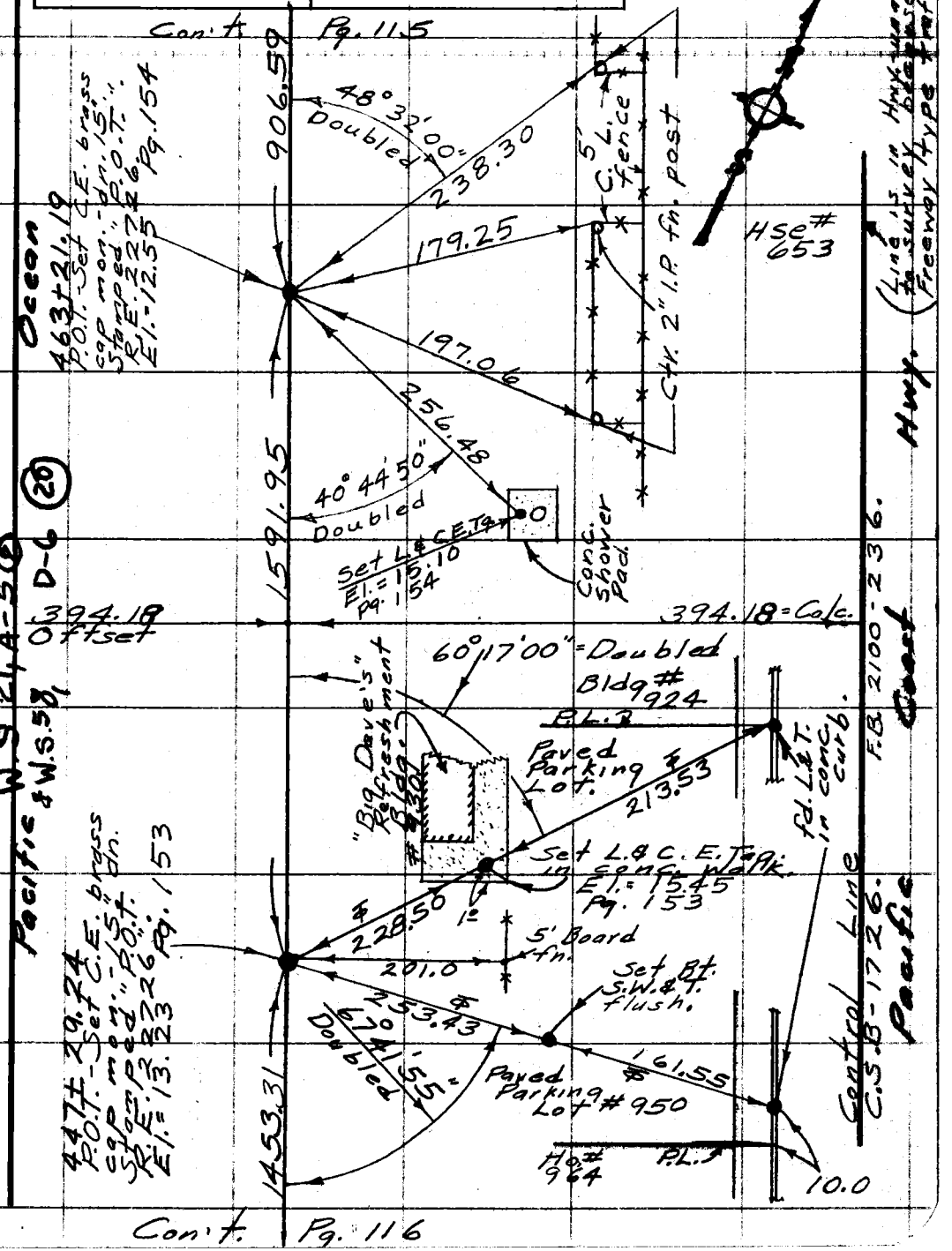
PWFB 1213

63

Notes Ck'd by	Survey of Control Line
Map No.	JN 030202 Tape 0193 Std 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 10-77
Date	Indexed J.M. PALMERI AUG 3 1978

F. B. 2499 Pg. 117

Note: All meas. Lev. & T-68°.



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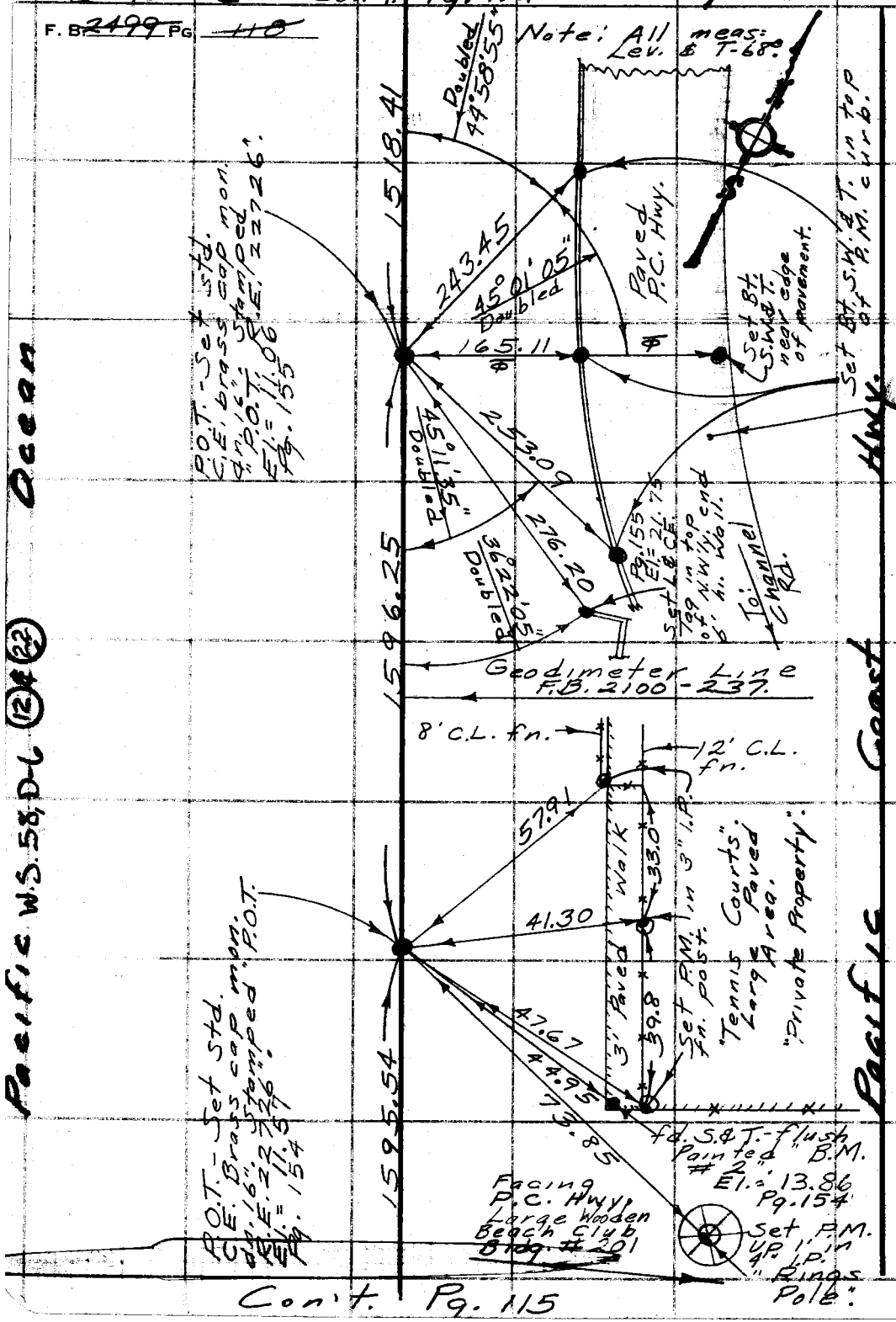
76F309S CE#310 3-69

PWFB 1213 Con't. Pg. 121 64, 65

F. B. ~~2499~~ PG ~~118~~



Con't. Pg. 115

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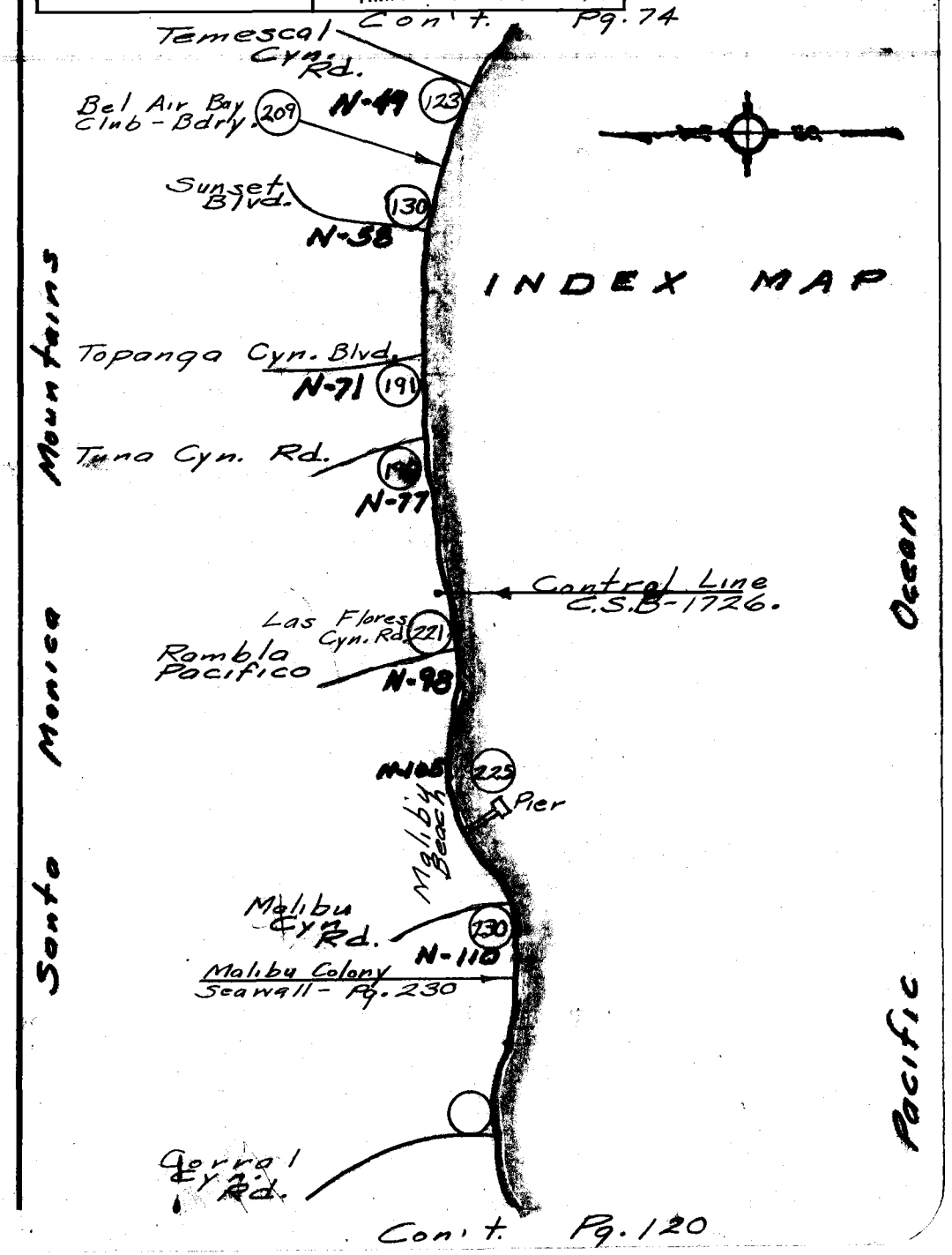
Notes Ck'd by	Survey of Control Line
Map No.	IN 0200.02 0193 18 °F
Office Work	Surveyed by English
Checked	Notes Ed. 1 Date 10-77
Date	Indexed P.M. PALMERI AUG 3 1978

F. B. 2499 PG. 119



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COUNTY OF LOS ANGELES
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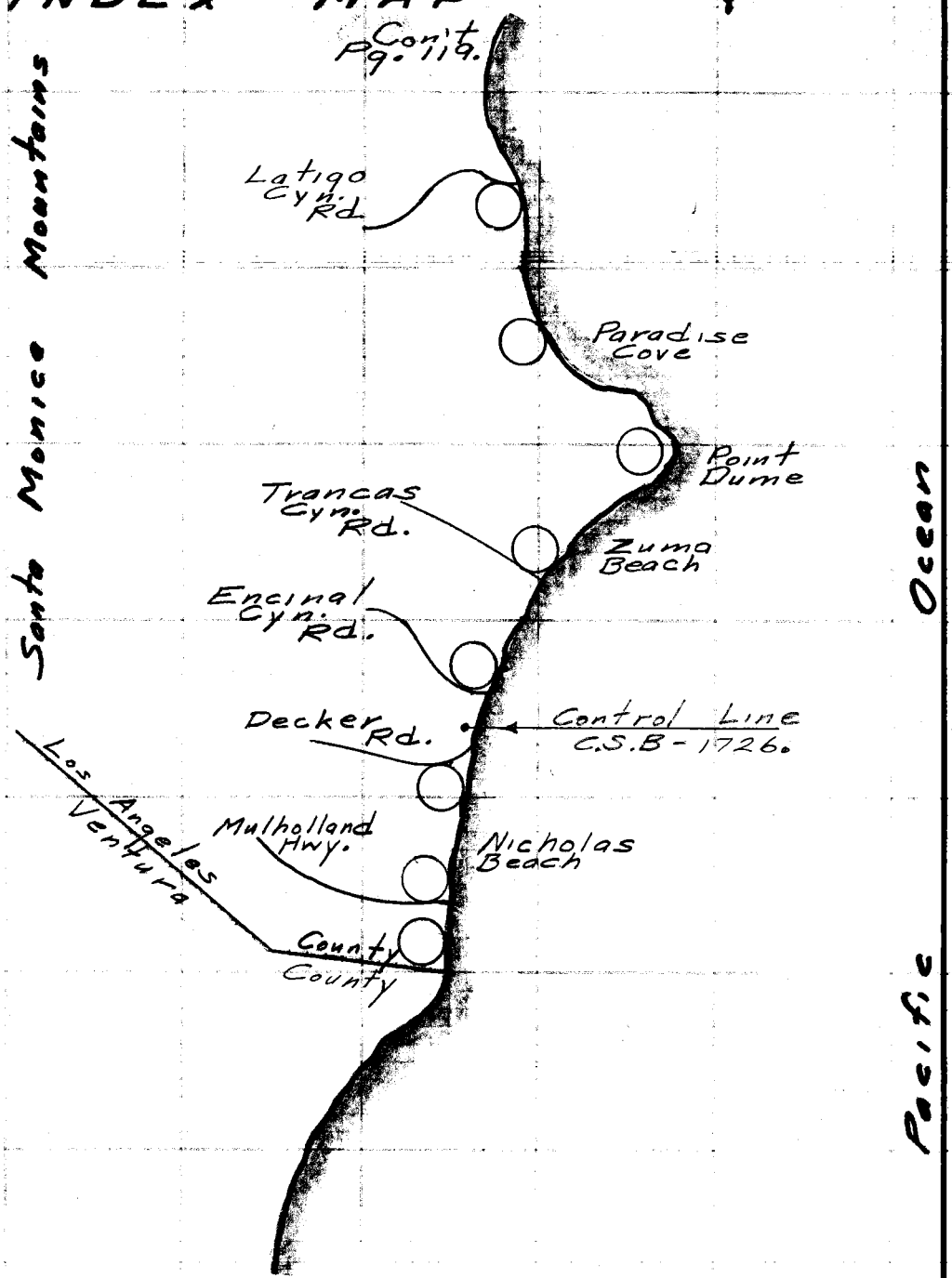
403 LOS ANGELES COUNTY ENGINEERING BLDG.

3-69

F. B. ~~2499~~ PG. ~~120~~

INDEX MAP



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PWFB 1213

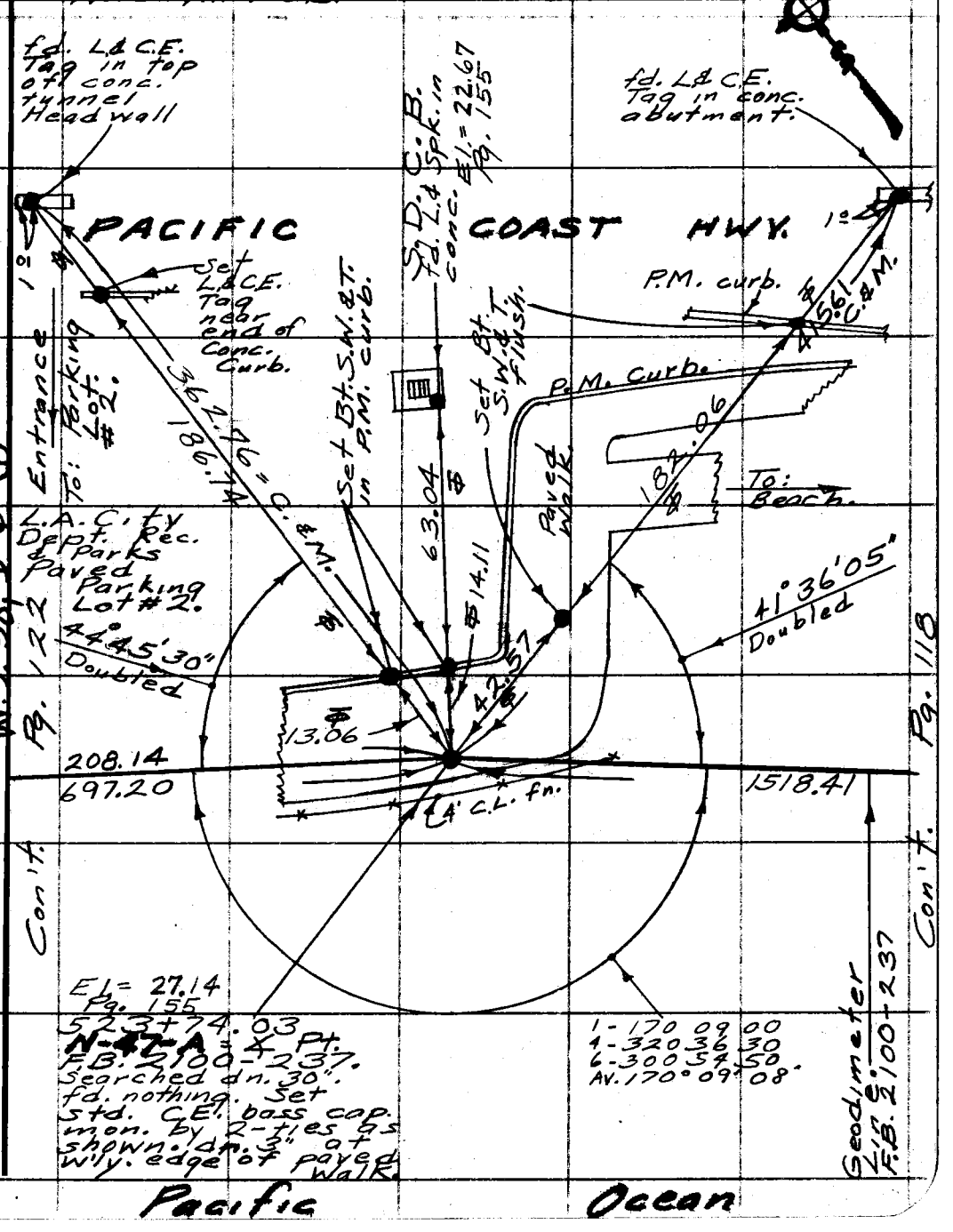
66

Notes Ck'd by	Survey of Control Line
Map No.	JN 0300.02 Tape 0193 Std. 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 10-77
Date	Indexed T.M. PALMERI AUG 3 1978

F. B. ~~2499~~ PG. ~~121~~

N-47A

Note: All meas. = Lev. & T-68°.



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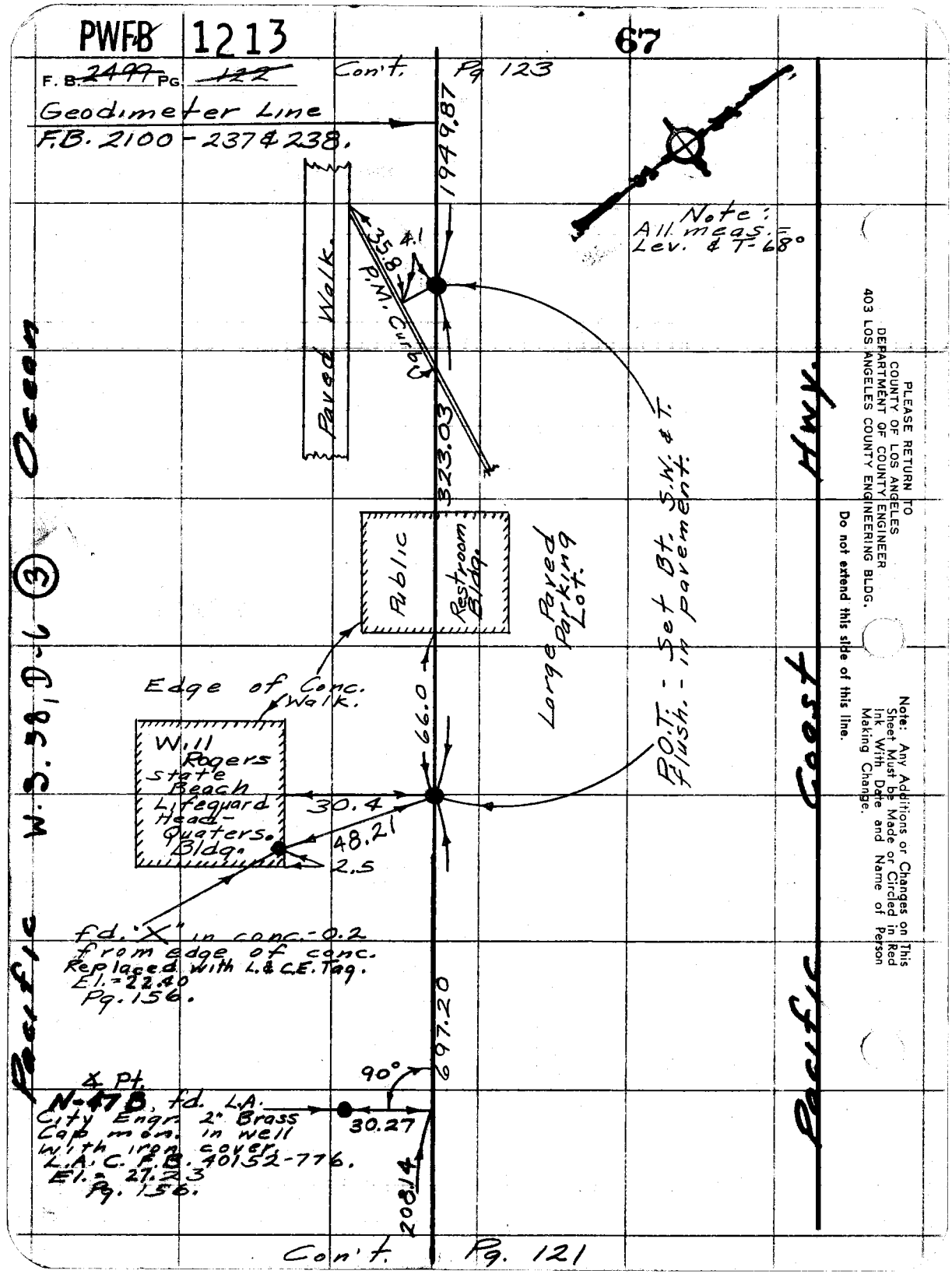
76F309S CE#310 3-69

PWFB 1213

67

F. B. ~~2499~~ Pg. ~~122~~ Con't. Pg 123

Geodimeter Line
F.B. 2100 - 237 & 238.



Con't. Pg. 121

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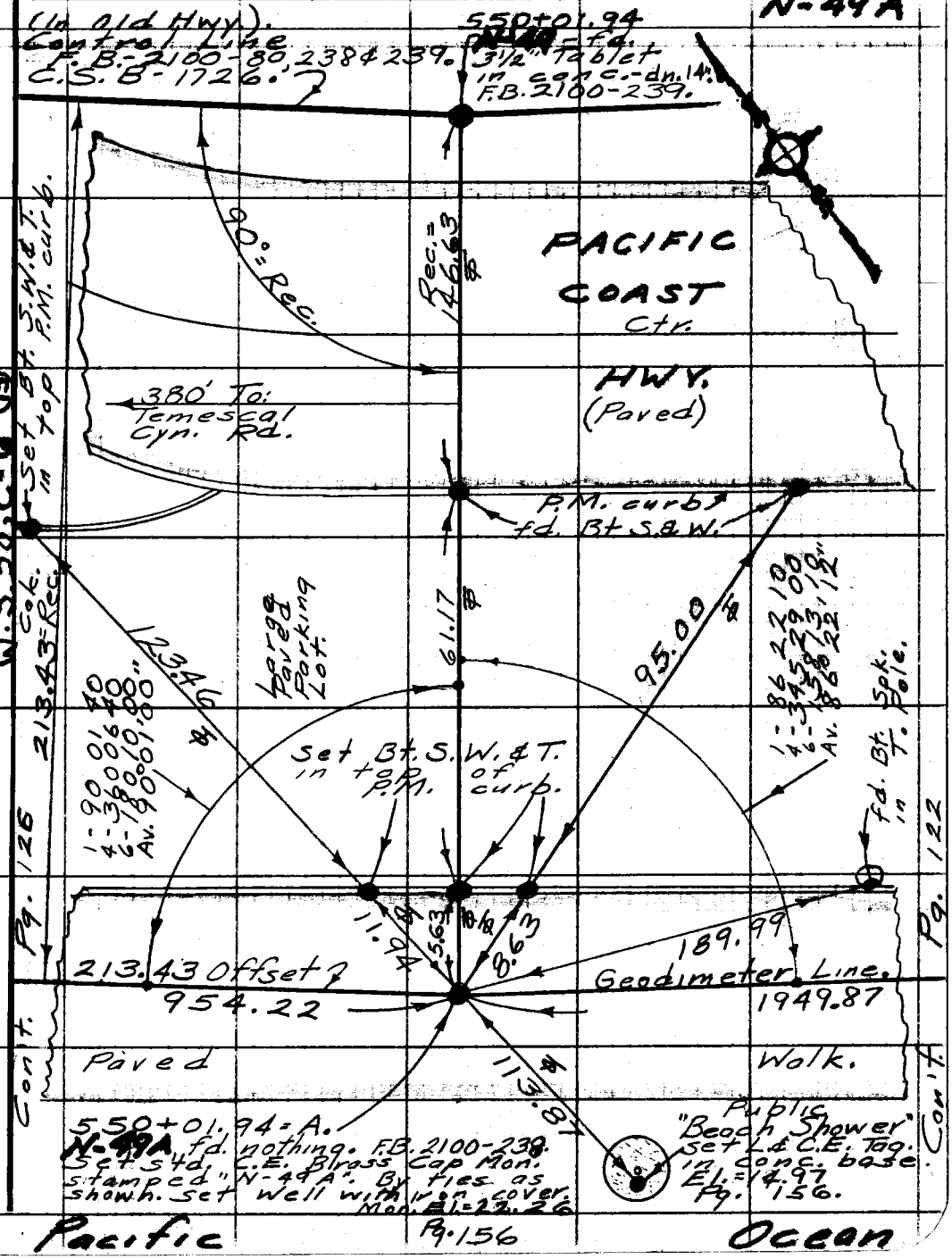
PWFB 1212 26, 27

Notes Ck'd by	Survey of Control Line
Map No.	IN 0300.02 Temp 0193 Std 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 11-77
Date	Indexed T.M. PALMERI AUG 3 1978

F. B. 2499 PG. ~~123~~

N-49 & N-49A



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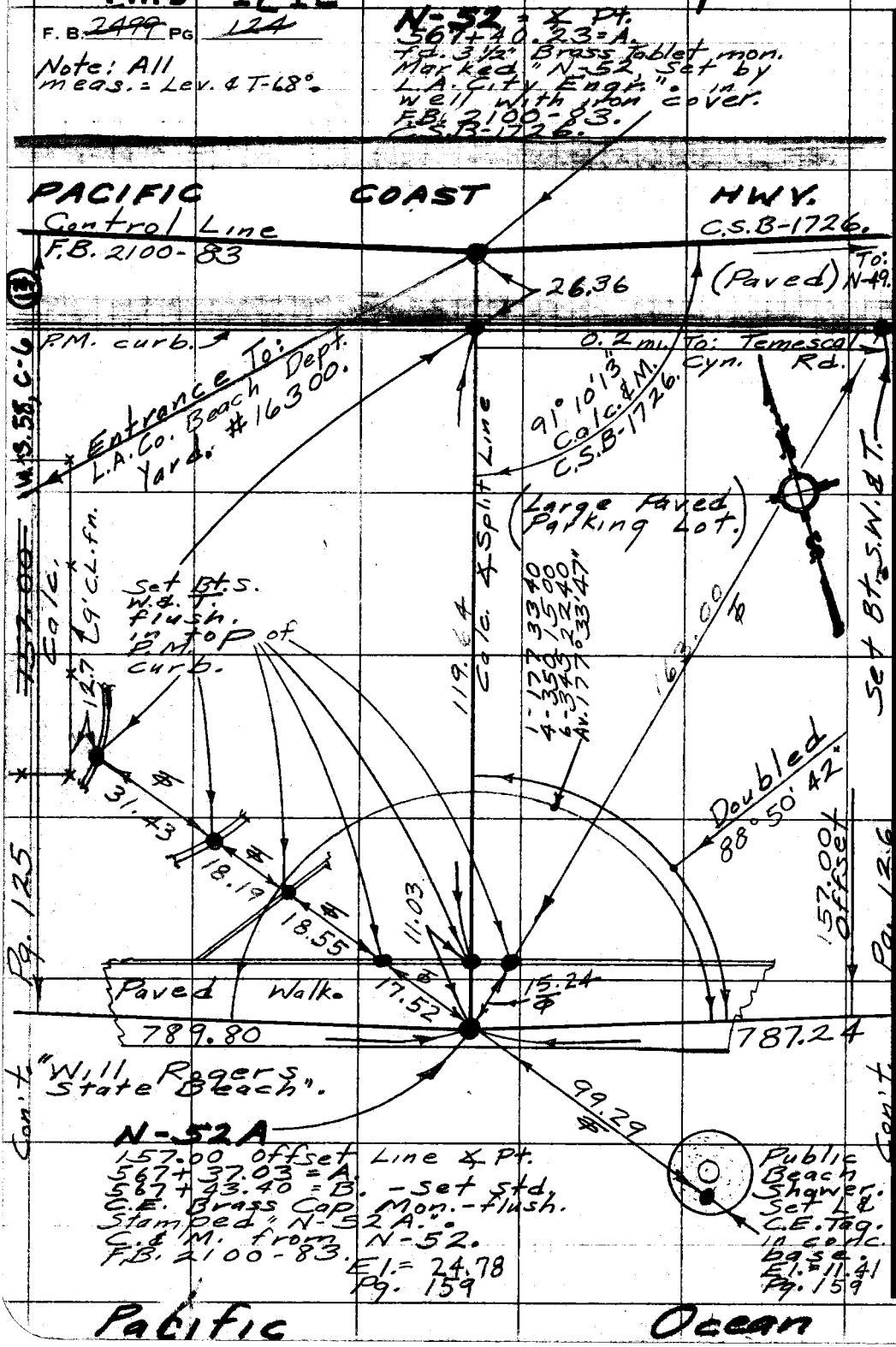
76F309S CE#310 3-69

PWFB 1212 28, 29

F. B. 2499 PG 124

Note: All meas. = Lev. & T-68°.



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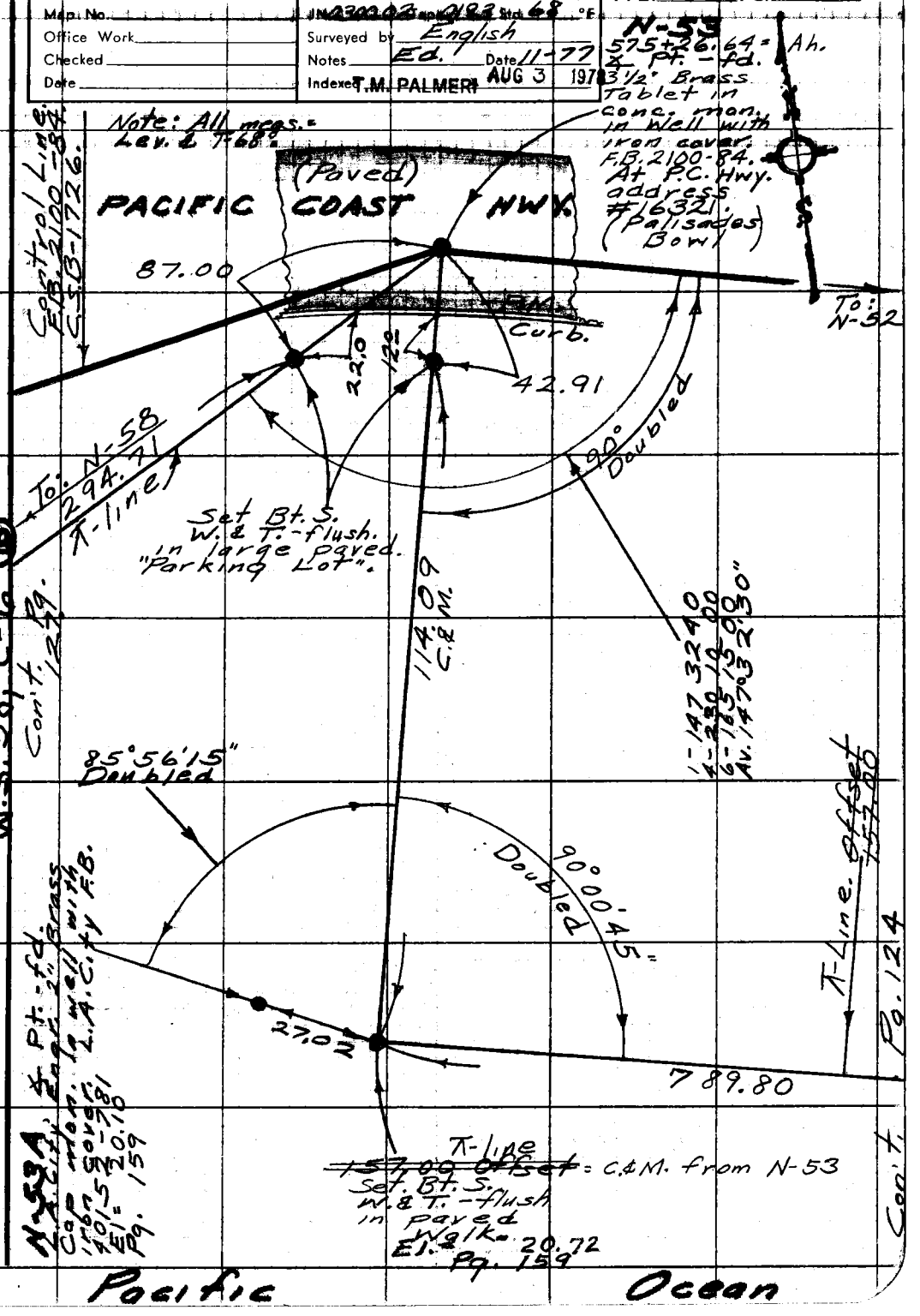
PWFB 1212 30, 31 [redacted]

Notes Ck'd by	Survey of Control Line
Map No.	JN 230002 Tape 0183 Std. 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 11-77
Date	Indexed T.M. PALMERI AUG 3 1978

F. B. ~~2499~~ PG. ~~125~~



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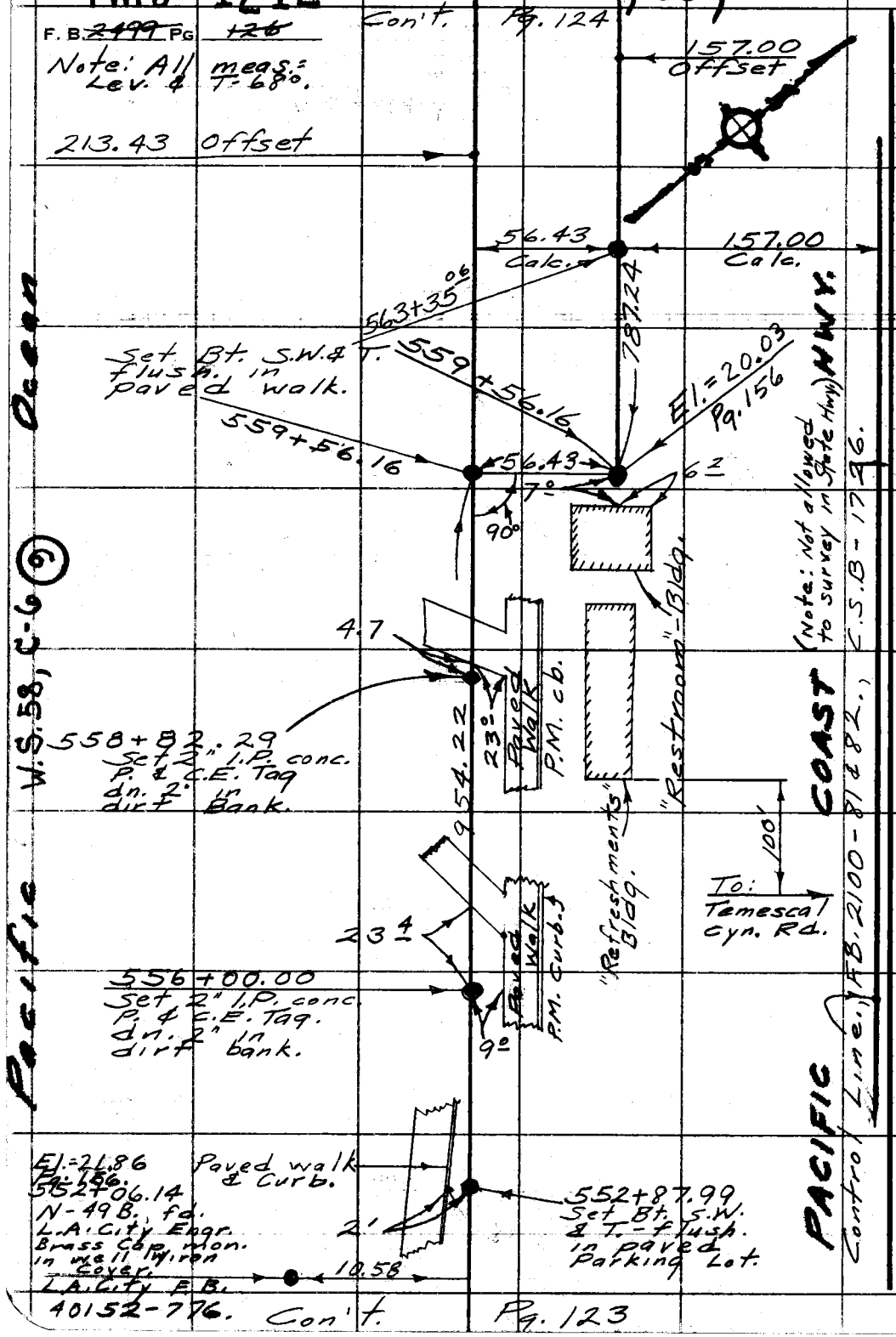
76F309S CE#310 3-69

PWFB 1212 32, 33, 34

F. B. ~~2499~~ PG ~~126~~

Note: All meas.: Lev. & T-68°.

Con't. Pg. 124



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PWFB 1212

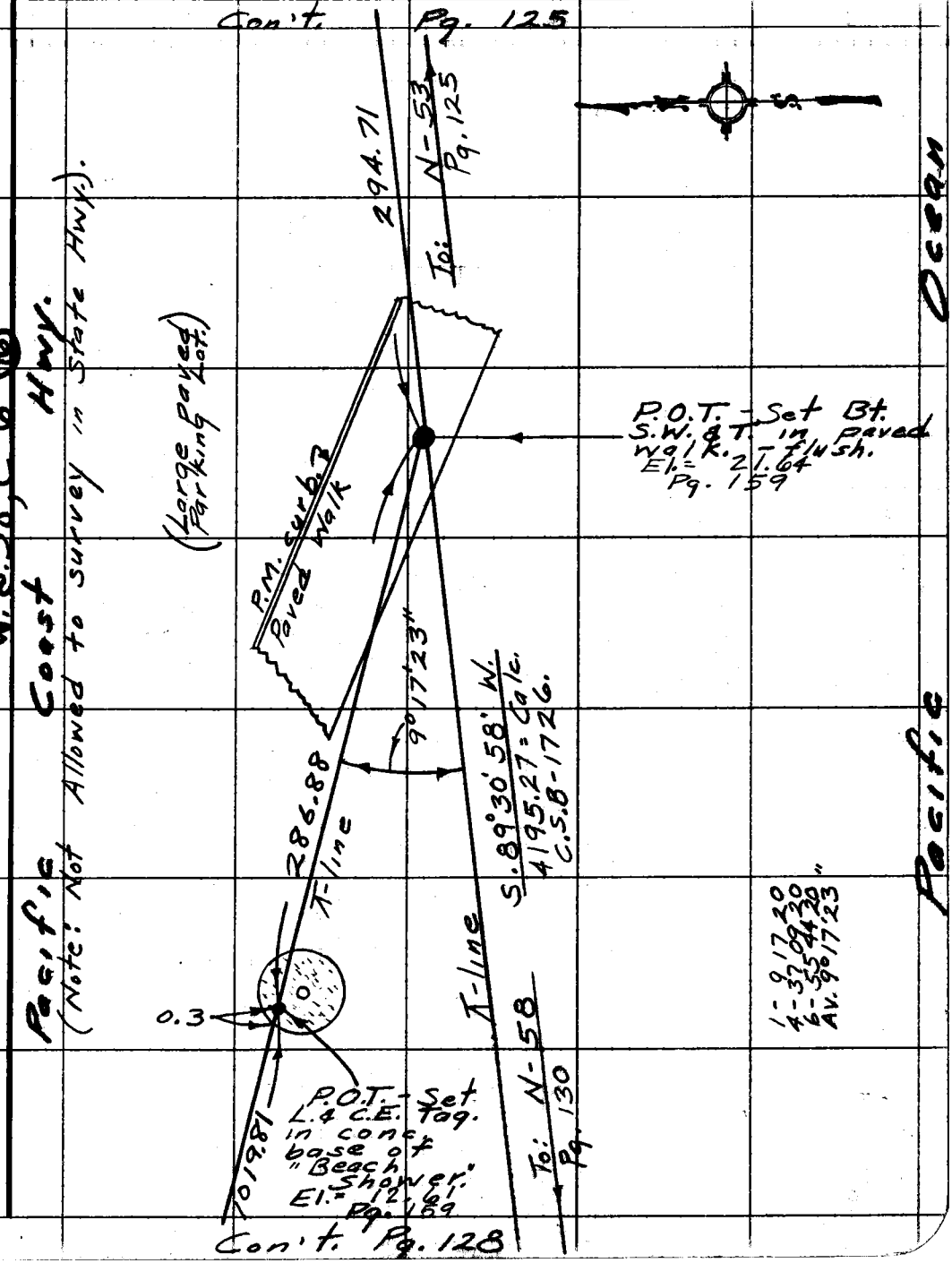
35

Notes Ck'd by	Survey of Control Line
Map No.	Temp. 0/98 Std. 68 °F.
Office Work	Surveyed by English
Checked	Notes Ed. Date 12-77
Date	Indexed J.M. PALMERI AUG 3 1978

F. B. ~~2499~~ Pg. ~~127~~

Note: All meas.= Lev. & T-68°.

Con't. Pg. 125



Con't. Pg. 128

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

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

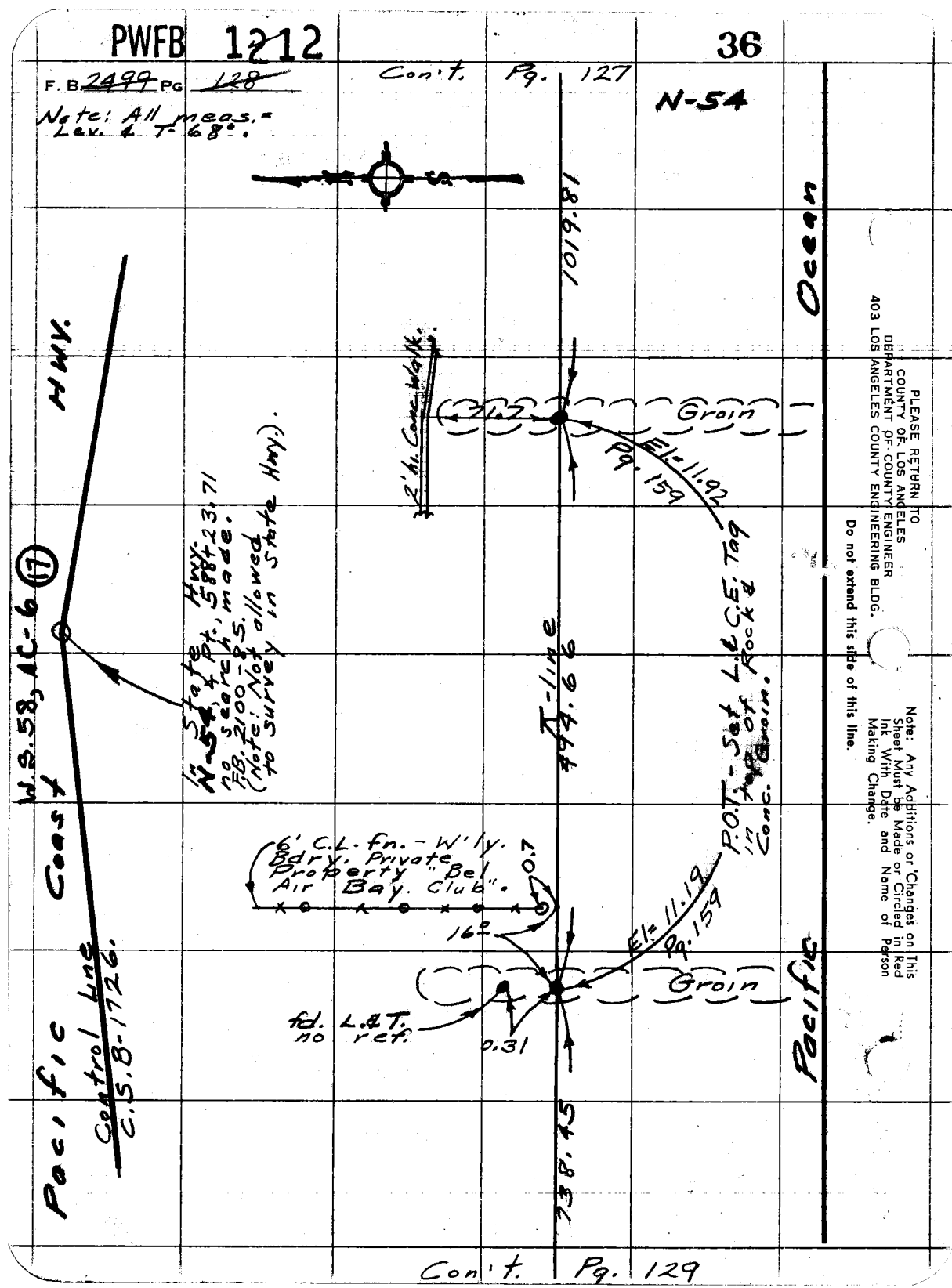
76F309S CE#310 3-69

F. B. 2499 PG 128

Note: All meas.= Lev. & T. 68°.

Con't. Pg. 127

N-54



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Con't. Pg. 129

PWFB 1212

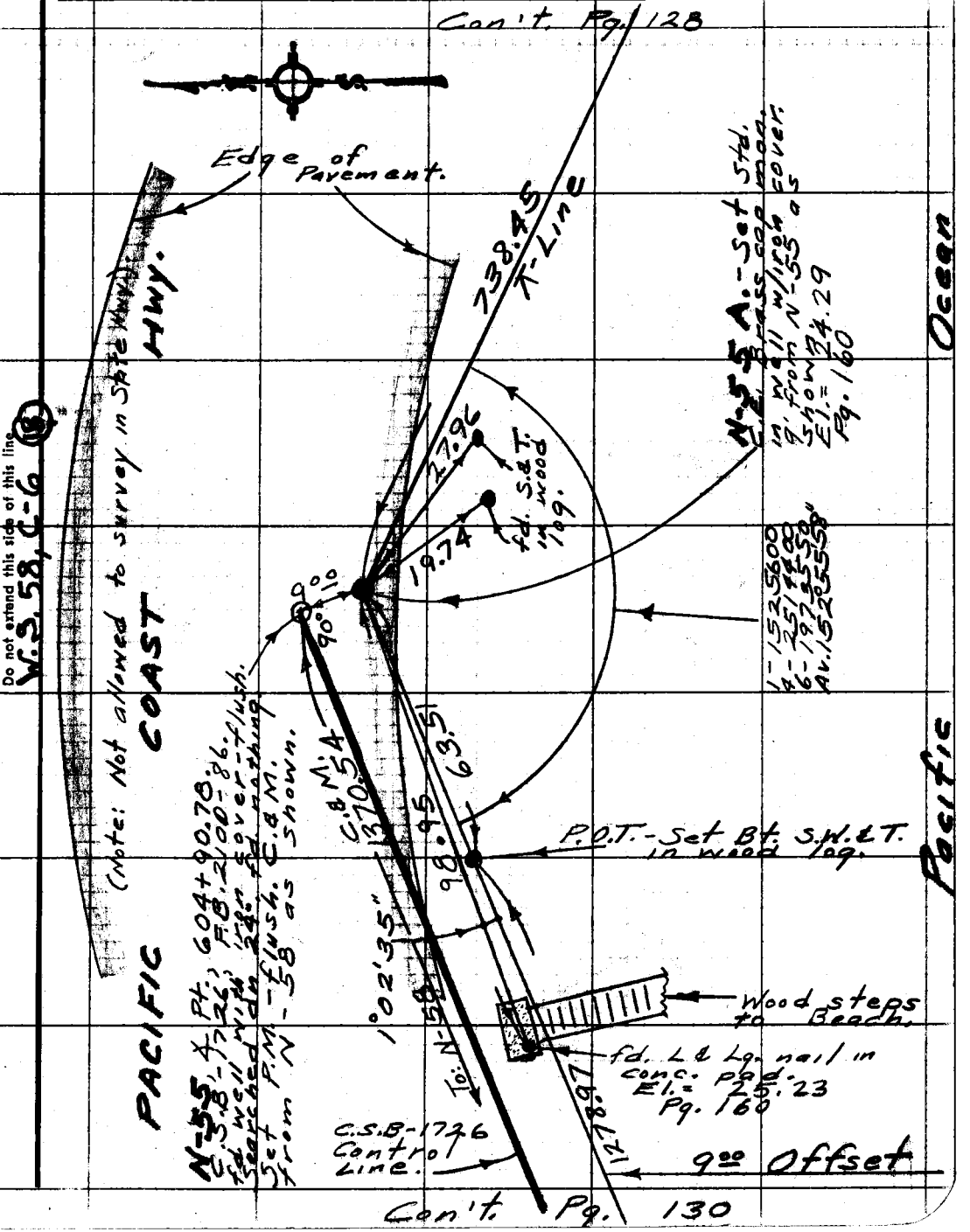
37, 38

Notes Ck'd by	Survey of Control Line
Map No.	JN 0300.02 Tape 0193 Std 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 12-77
Date	Indexed T.M. PALMERI AUG 3 1978

F. B. ~~2499~~ PG. ~~129~~

N-55

Note: All meas. = Lev. & T-68°.



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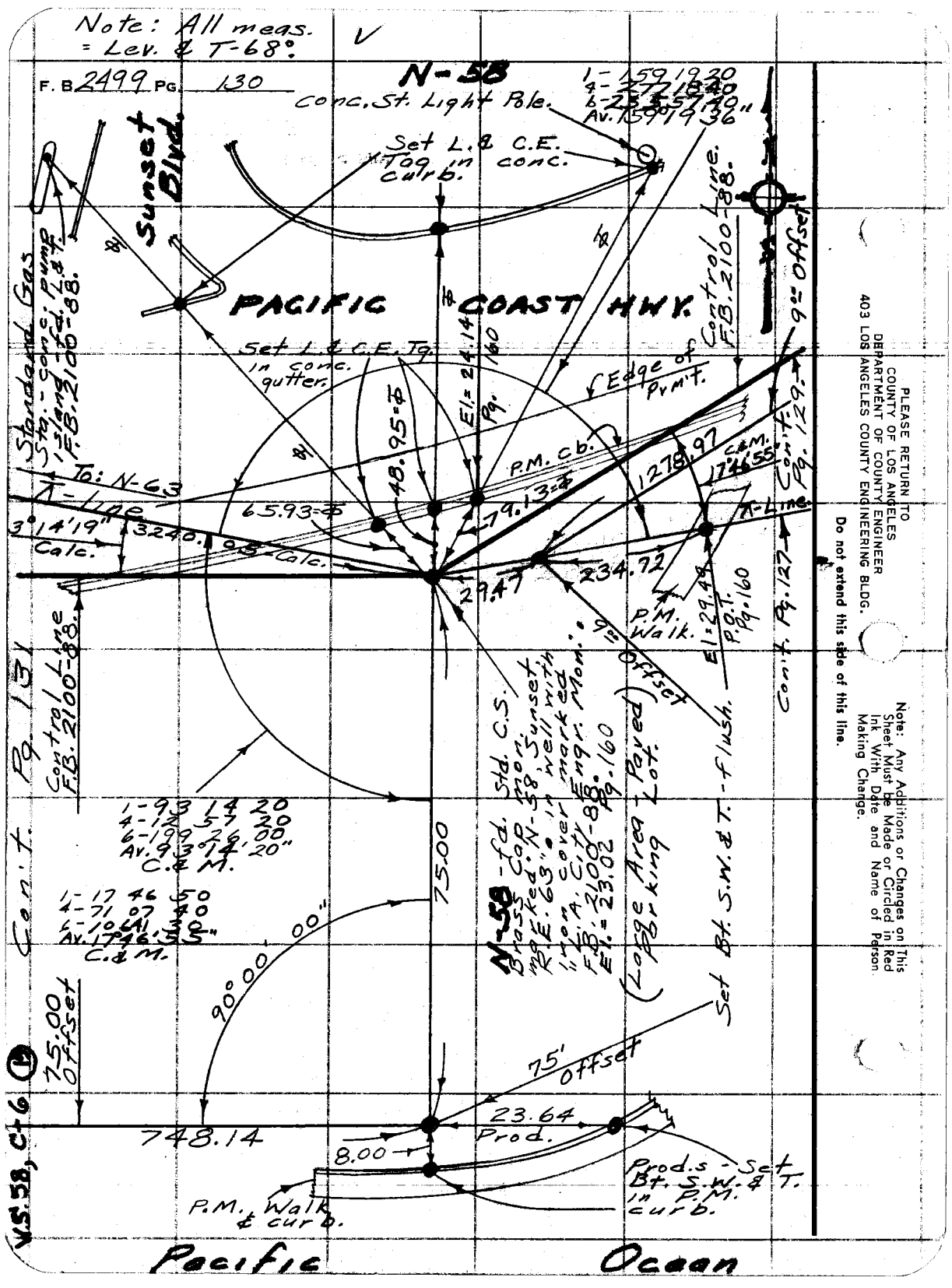
76F309S CE#310 3-69



Note: All meas. = Lev. & T-68°.
F. B. 2499 PG. 130
N-58
Conc. St. Light Pole.
1-159 19 20
4-277 18 40
6-235 57 40
Av. 159° 19' 36"
Set L. & C.E. Tag in conc. curb.
Sunset Blvd.
PACIFIC COAST HWY.
Standard Gas Sta. - conc. pump island - fd. L. & T. F.B. 2100-88.
Set L. & C.E. Tg. in conc. gutter.
El. = 24.14 Pg. 160
Edge of Prm't.
Control Line F.B. 2100-88.
9° Offset
Con't. Pg. 129
To: N-63
Λ-Line
3° 14' 19" Calc.
3240.
0.5 Calc.
65.93 = Φ
48.95 = Φ
79.13 = Φ
P.M. Cb.
1278.97
C.&M. 17° 46' 55"
Λ-Line
234.72
29.47
P.M. Walk.
El. = 29.49 P.O.T. Pg. 160
9° Offset
Con't. Pg. 127
Control Line F.B. 2100-88.
Con't. Pg. 131
1-93 14 20
4-12 57 20
6-199 26 00
Av. 93° 14' 20"
C.&M.
1-17 46 50
4-71 07 40
6-106 41 30
Av. 17° 46' 55"
C.&M.
75.00
N-58 - fd. Std. C.S. Brass Cap mon. marked "N-58, Sunset, R.E. 63" in well with iron cover marked "L.A. City Engr. Mon." F.B. 2100-88. El. = 23.02 Pg. 160
(Large Area - Paved Parking Lot.)
Set Bt. S.W. & T. - flush.
90° 00' 00"
75.00 Offset
75' Offset
748.14
23.64 Prod.
8.00
Prod.s - Set Bt. S.W. & T. in P.M. curb.
P.M. Walk & curb.
V.S. 58, C-6
Pacific Ocean
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PWFB 1211 — 26, 27

Notes Ck'd by	Survey of Control Line
Map No.	JN 030002-0183 68
Office Work	Surveyed by English
Checked	Notes Ed. — Date 11-77
Date	Indexed T.M. PALMERI AUG 3 1978

F. B. ~~2490~~ Pg. ~~131~~

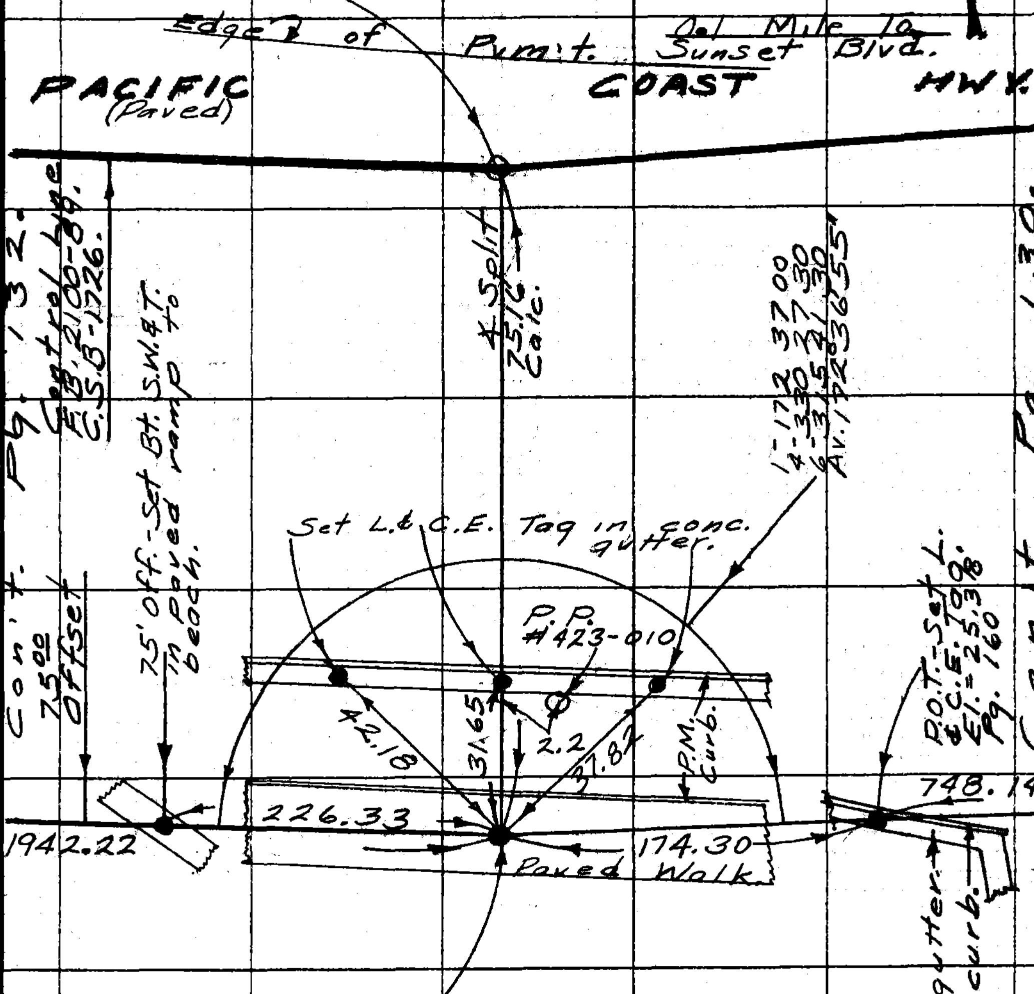
N-60

Note: All meas. = Lev. & T-68°.

To: N-63 — To: N-58

℄-line 32 40.05 = Calc.

N-60, 628+63.70, ℄ Pt. (not recovered) mon. is in Pacific Coast (state) Hwy. F.B. 2100-89. Not allowed to work in State Hwy.



75' Offset - ℄ Pt.

N-60A. Set Std. C.E. brass cap mon. in well with iron cover. By Calc. & Compass Rule between N-58 & N-63 as shown. El. = 26.45

Pacific — Pg. 160 — Ocean

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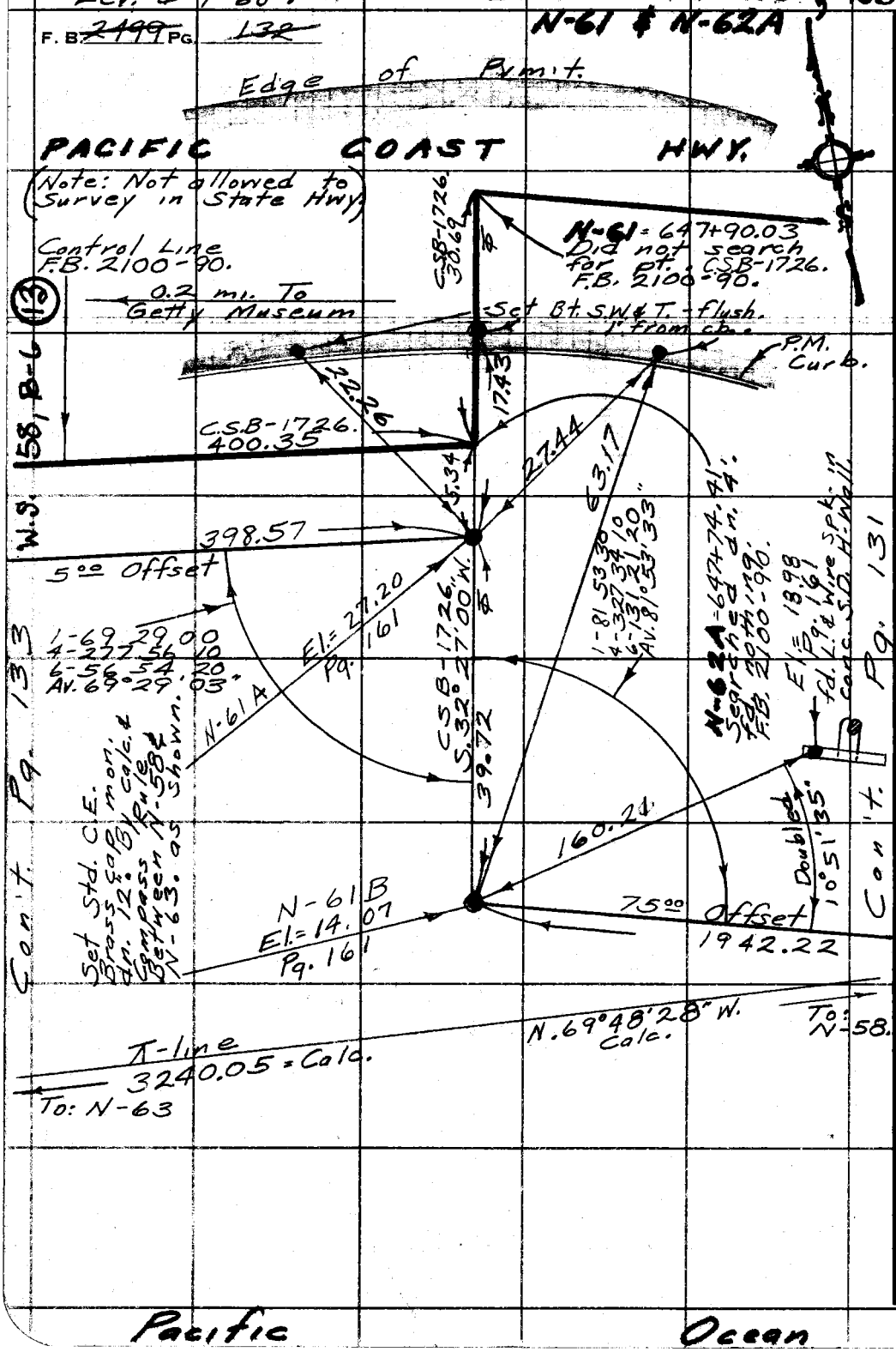
76F309S CE#310 3-69

Note: All meas. = Lev. & T-68°.

PWFB 1211

28, 29

F. B. ~~2499~~ PG. ~~132~~



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PWFB 1211

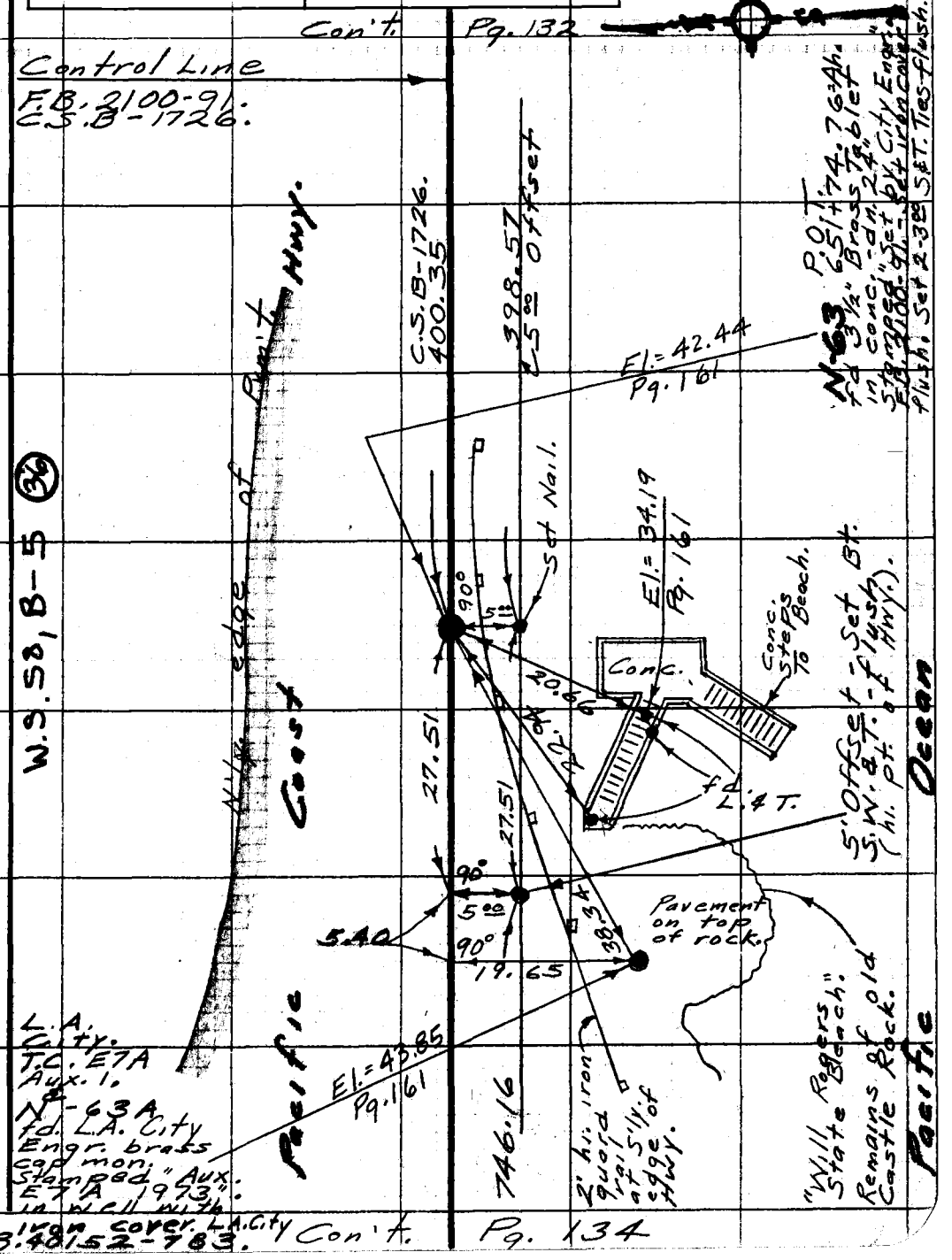
30

Notes Ck'd by	Survey of Control Line
Map No.	JN 030002 Tape 0193 Std 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 11-77
Date	Indexed T.M. PALMERI AUG 3 1978

F. B. ~~2499~~ PG. ~~133~~

N-63

Note: All meas. = Lev. & T-68°.



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76F309S CE#310 3-69

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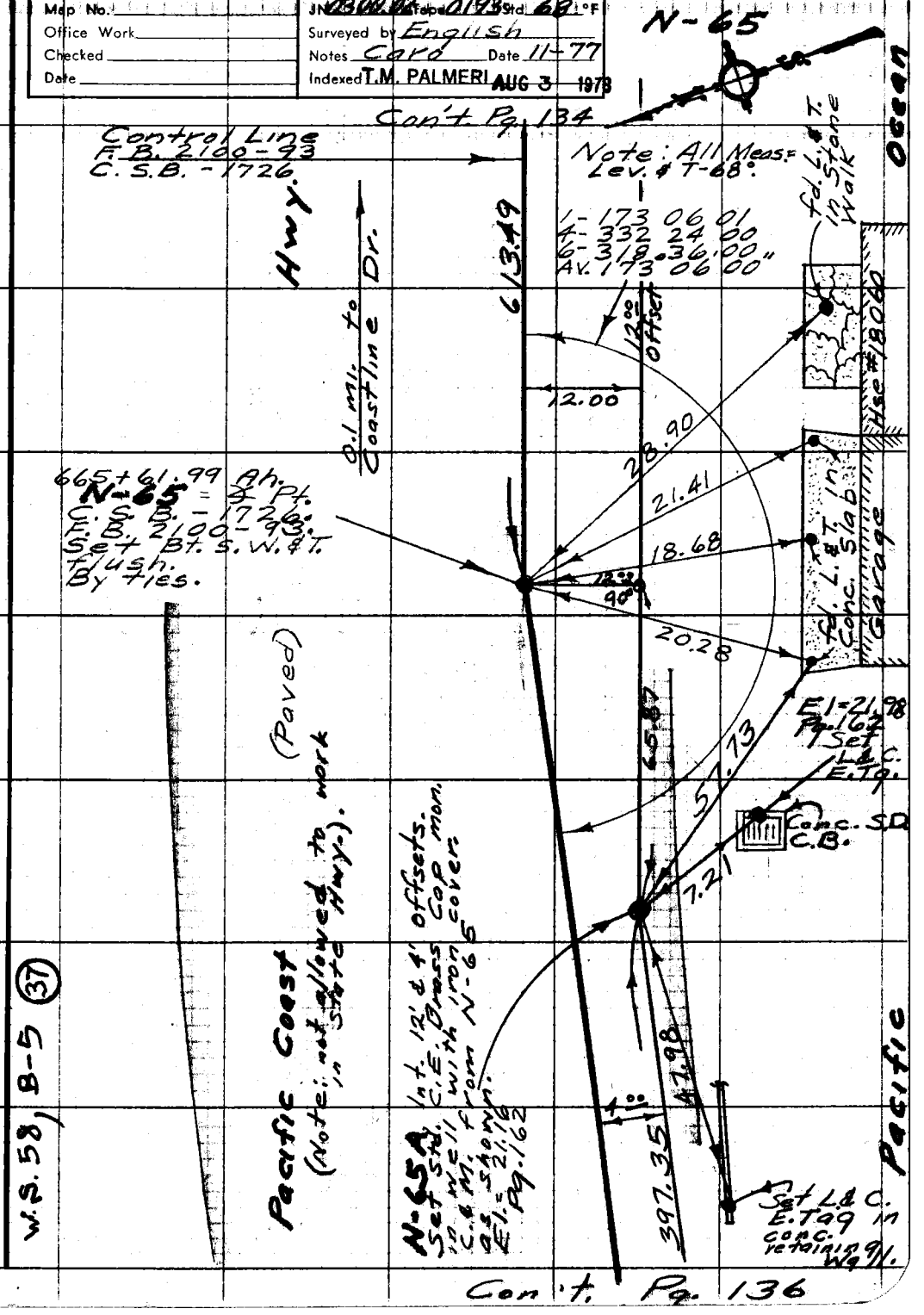
PWFB 1211

32

Notes Ck'd by	Survey of Control Line
Map No.	JN 0300.02 Tape 0193 Std 68 °F
Office Work	Surveyed by English
Checked	Notes Card Date 11-77
Date	Indexed T.M. PALMERI AUG 3 1978

F. B. ~~2497~~ Pg. ~~135~~



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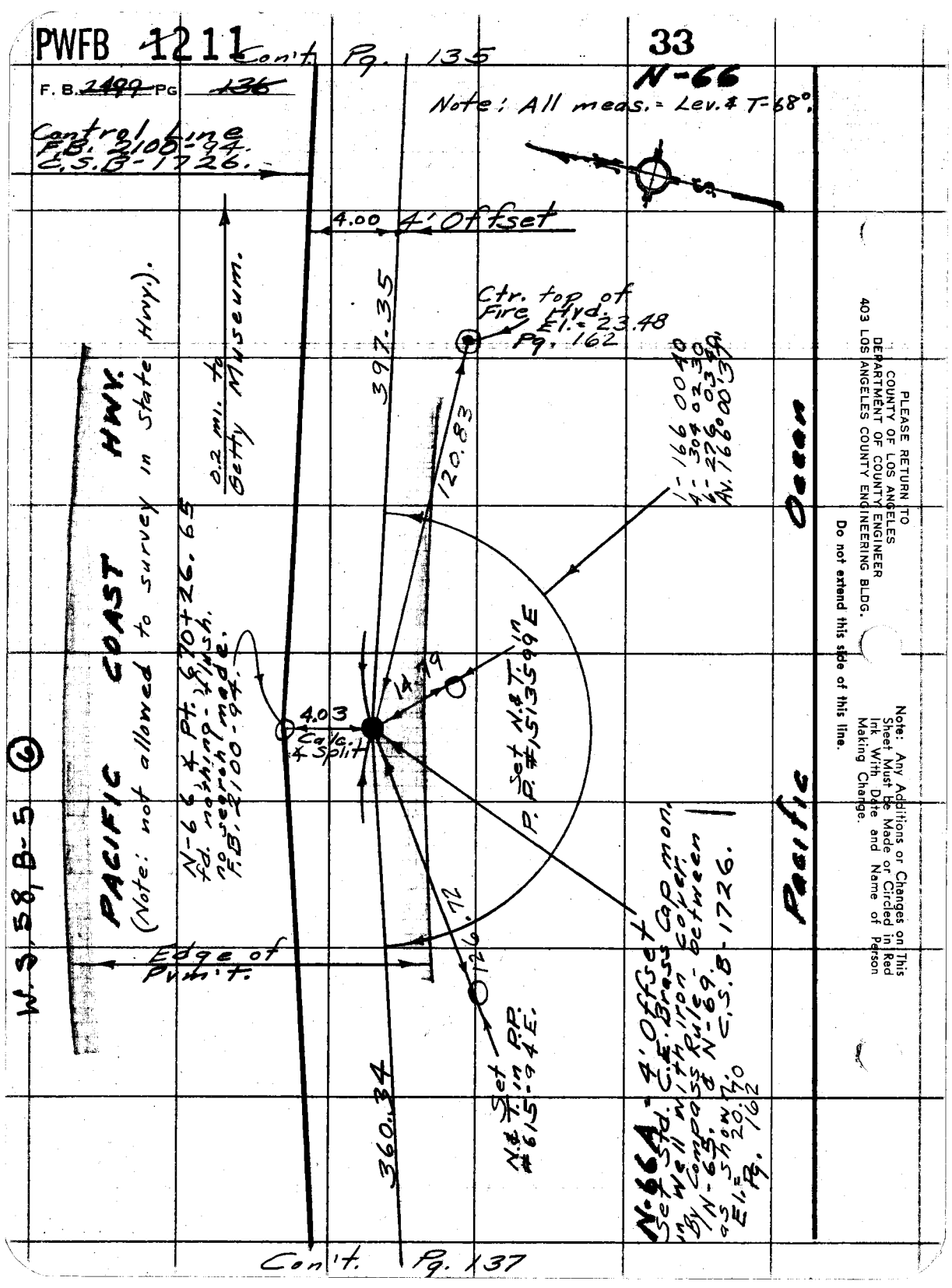
76F309S CE#310 3-69


PWFB 1211
Con't. Pg. 135
33
F. B. 2499 PG 136
N-66
Note: All meas. = Lev. & T-68°.
Control Line
F.B. 2100-94.
C.S.B-1726.
4.00 4' Offset
397.35
Ctr. top of Fire Hyd. El. = 23.48 Pg. 162
120.83
1-166 00 40
4-304 02 30
6-276 03 40
Av. 166°00'37"
0.2 mi. to Getty Museum.
PACIFIC COAST HWY.
(Note: not allowed to survey in State Hwy.).
N-66 & Pt. 670+26.65
fd. nothing - flush.
no search made.
F.B. 2100-94.
4.03
Calc. & Split
14.79
Set N.&T. in P.P. #1513599E
126.72
Edge of Pvmt.
Set N.&T. in P.P. #615-94E.
360.34
N-66A - 4' Offset
Set Std. C.E. Brass Cap mon. in Well with iron cover. By Compass Rule - between N-65 & N-69. C.S.B-1726.
as shown. El. = 20.70 Pg. 162
Pacific Ocean
W.S. 58, B-5 (6)
Con't. Pg. 137
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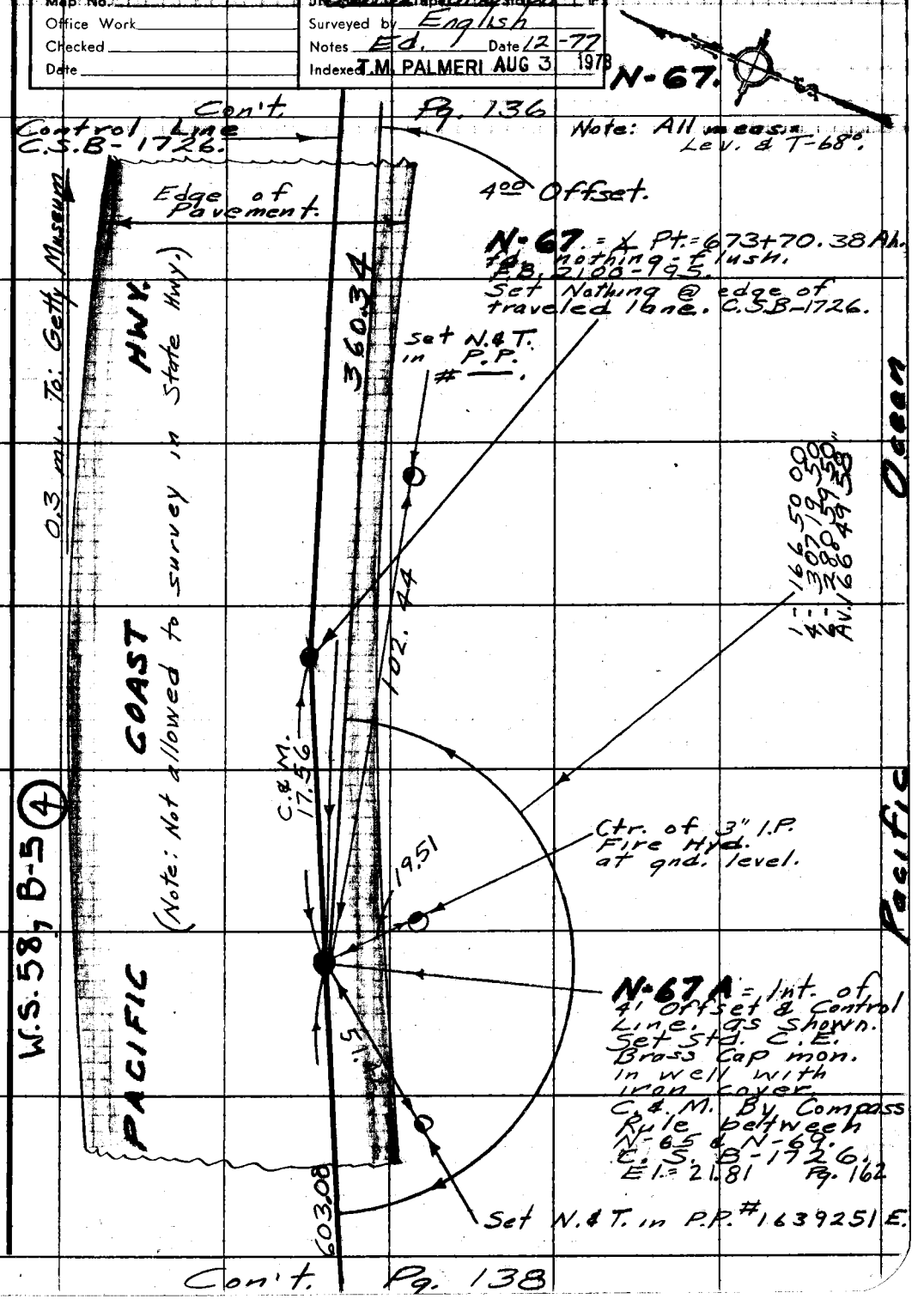
PWFB 1211

34, 35

Notes Ck'd by	Survey of Control Line
Map No.	JN 0300.02 Tape 0193 Std 68 L°F
Office Work	Surveyed by English
Checked	Notes Ed. Date 12-77
Date	Indexed T.M. PALMERI AUG 3 1978

F. B. ~~2499~~ PG. ~~137~~



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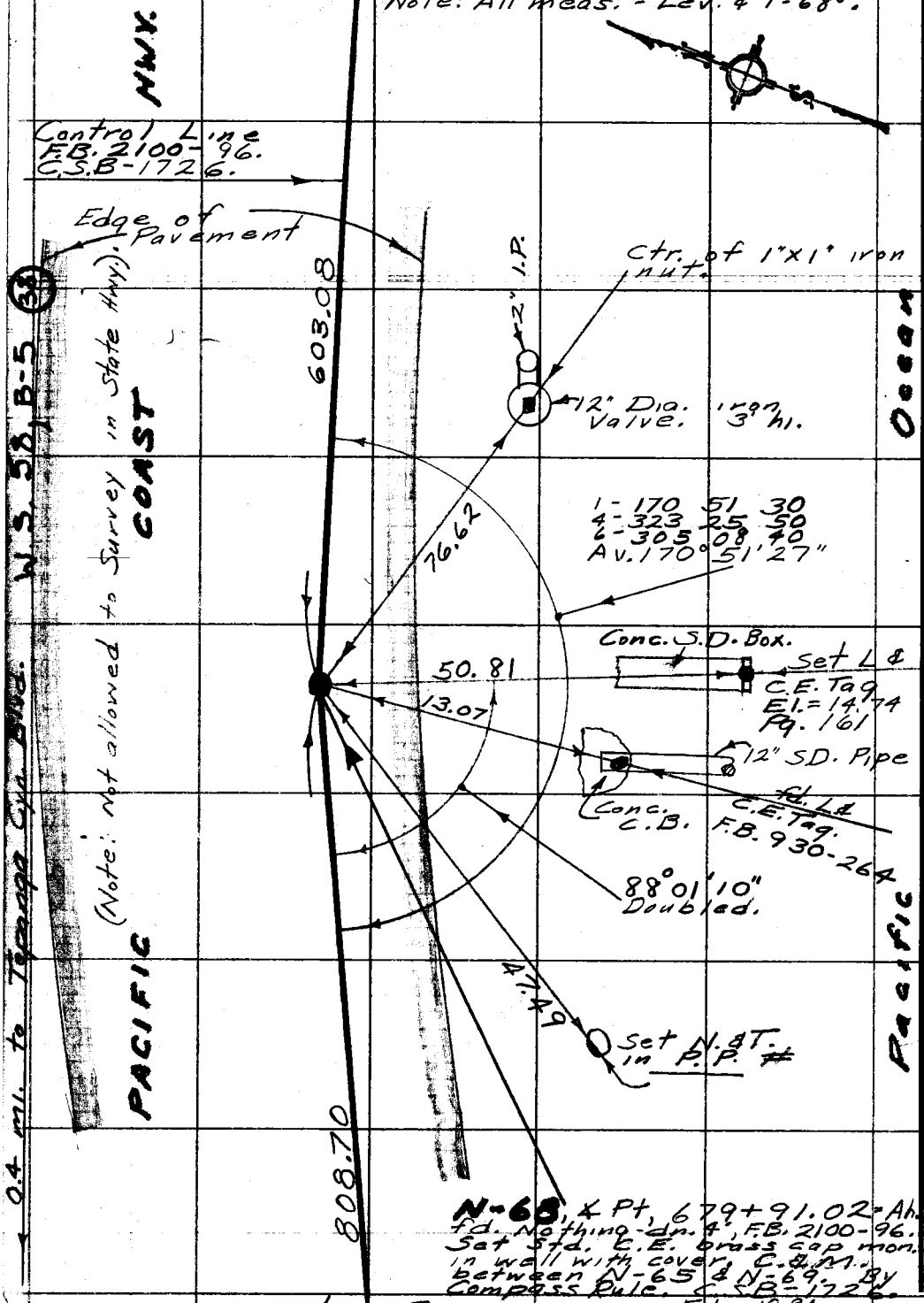
76F309S CE#310 3-69

F. B. ~~2499~~ PG ~~138~~

Con't. Pg. 137

N-68

Note: All meas. = Lev. & T-68°.



N-68, ∡ Pt, 679+91.02 = Ah. fd. Nothing-dn. 4', F.B. 2100-96. Set Std. C.E. brass cap mon. in well with cover. C.&M. between N-65 & N-69. By Compass Rule. C.S.B-1726.

El. = 19.94
Pg. 162

Con't. Pg. 189

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PWLB 0815

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. ____ 30 F. B. ~~2499~~ Pg. ~~139~~

X-Sec. No. ____ Date ____ Date ____ Survey of Control Line

Notes Chk'd. ____ Checked ____ Survey by English Notes Ed. Date 7-77

Date ____ Date ____ Map No. ____ Indexed T.M. PALMERI Date AUG 3 1978

HYDROSURVEY
CONTROL LINE.

J.N. 0300.02

BENCH LEVELS
DATUM = M.L.L.W.

August 27, 1977.
English
Caro
Stroud
Bradley

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

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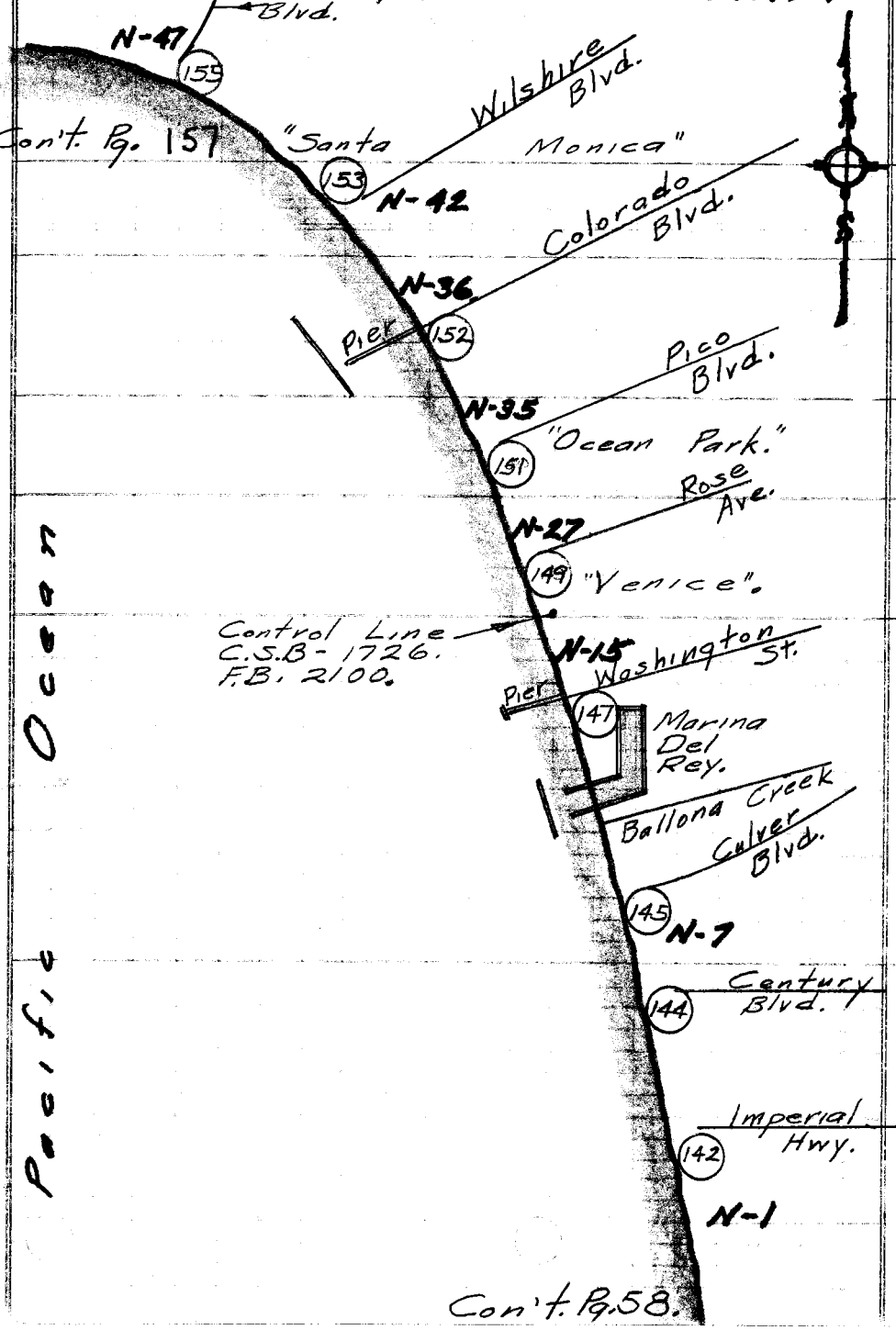
76-L-298 CE 307 5-66

F. B. 2499 Pg. 140 | 0300.02 Job No. Division No. Notes Red Plotted Profile
Survey of Control Line Date Date No.
Survey by English Ed. Notes Blk. Checked X-Sec.
Index PWLB 0815 Date Date 31, 32, 33, 34 Date No.

INDEX MAP.



76-L-298 CE 307 5-66

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76-L-298 CE 307 5-66

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Do not extend notes this side of this line.

Datum = M.L.L.W. Control Line-Stations

STATION	B. S.	H. I.	F. S.	ELEV.	
Fd. T.B.M.	4 666	23 806		19 140	Bt. S.W.&T.-Tie in Bike Path. F.B. 2499-59.
T.P.	2 863	21 881	4 788	19 018	
4+08.50	9 974	24 518	7 337	14 544	240.62 Offset - L.& C.E. Tag.-Pg.75
6+01.07	0 970	19 935	5 553	18 965	L.& C.E. Tag - Prod. (5.95=Tie) Pg. 75
6+01.07	5 128	17 448	7 615	12 320	" " " - 450' Offset in Rock Groin - Pg. 75.
6+01.07	4 653	16 969	5 132	12 316	" " " - 550' Offset in Rock Groin - " "
T.P.	8 554	22 857	2 666	14 303	
"	3 845	19 176	7 526	15 331	
"	6 088	19 697	5 567	13 609	
"	6 017	21 712	4 002	15 695	
"	6 247	23 895	4 064	17 648	
"	5 324	23 735	5 484	18 411	
"	6 025	24 978	4 782	18 953	
"	5 273	24 379	5 872	19 106	
26+00	5 723	23 975	6 127	18 252	303.74 Offset - L.& C.E. Tag in Bike Path - Pg. 75
28+00	7 197	25 917	5 255	18 720	292.82 " - " " " " - " "
30+00	3 603	23 108	6 412	19 505	214.92 " - " " " " - " "
T.P.	5 310	22 508	5 910	17 198	
"	5 768	23 993	4 283	18 225	
"	5 238	25 175	4 056	19 937	
"			7 228	17 947	

35, 36, 37

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. ____
X-Sec No. ____ Date ____ Date ____ Survey of Control Line
Notes Chk'd ____ Checked ____ Survey by [redacted] English Notes Ed. Date 7-77
Date ____ Date ____ Map No. [redacted] Inc. [redacted] PALMERI Date AUG 3 1978

PWLB 0815

F.B. ~~2499~~ PG. 141

76-L-298 CE 307 5-66

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Do not extend notes this side of this line.

PWLB 0815 - [redacted] - 38

F. B. 2499 Pg. 142 | 0300.02 Job No. | Division No. | Notes Red. | Plotted | Profile
Survey of Control Line | Date | Date | No.
Survey by English Notes Ed. | Notes Chk'd. | Checked | X-Sec.
Indexed | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.	Datum = M.L.L.W. Control Line-Stations
T.P.	4 546	22 493		17 947	
"	5 423	22 433	5 483	17 010	
"	5 743	22 250	5 426	17 007	
"	5 923	22 989	5 684	17 006	
47+57	3 678	20 999	5 668	17 321	N-1, 243.40 offset - L & C.E. Tg. in Bike Path. Pg. 76
47+57	4 590	15 736	9 853	11 146	N-1, 450' offset - C.E. Brass Cap. mon. - Pg. 76
49+52.53	5 608	18 784	2 560	13 176	508.19 Offset - L & C.E. Tg. in rock groin - "
T.P.	4 978	18 738	5 024	13 760	
"	5 164	18 392	5 510	13 228	
"	4 414	18 206	4 600	13 792	
58+30.97	7 183	20 589	4 800	13 406	489.79 offset - L & L.A. Co. F.C. Dist. Tg. in S.D. Top. Pg. 77.
T.P.	6 034	21 983	4 640	15 949	
"	5 535	21 238	6 280	15 703	
"	5 570	21 355	5 453	15 785	
"	5 968	21 636	5 687	15 668	
"	5 449	21 407	5 678	15 958	
71+27	5 492	20 831	6 068	15 339	244.98 offset - L & C.E. Tg. in Bike Path. Pg. 77
T.P.	10 173	28 414	2 590	18 241	
"	11 616	37 286	2 744	25 670	
"	11 472	48 462	0 296	36 990	
"			0 560	47 902	

76-L-298 CE 307 5-66

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Datum = M.L.L.W.	Control Line-Stations
T.P.	8 270	56 172		47 902		
	6 244	57 261	5 155	51 017		
fd. B.M. 27-8A	1 133	53 166	5 228	52 033	27-8A, el.=52.116, F.B. 2100-169. N.E. Cor. Vista Del Mar & Jacualin St., Cut Spk in cb at N. end C.R. & S. end C.B.	
T.P.	1 253	42 522	11 897	41 269		
"	1 304	32 831	10 995	31 527		
"	4 887	27 355	10 363	22 468		
"	8 823	30 394	5 784	21 571		
"	5 688	30 450	5 632	24 762		
"	4 987	30 089	5 348	25 102		
87+40 (Tie)	1 357	26 441	5 005	25 084	N-2, Tie (dist.=77.49)	L.& C.E. Tag. in conc. Bike Path - Pg. 78
T.P.	3 023	19 090	10 374	16 067		
"	3 238	17 238	5 090	14 000		
450' offset N-2	8 593	17 851	8 480	9.258	87+50, C.E. br. cp. mon.-dn. 2', Pg. 78	
T.P.	6 586	19 541	4 896	12 955		
"	6 283	20 410	5 414	14 127		
"	5 092	19 957	5 545	14 865		
"	5 163	18 906	6 214	13 743		
100+00	5 685	18 559	6 032	12 874	L.& C.E. Tag in Bike Path, 374.20 Off., Pg. 79	
T.P.	7 492	21 478	4 573	13 986		
"	11 930	27 688	5 720	15 758		
"			2 959	24 729		

Profile No. PWLB 0915 Noted Date Noted Date 193 Job No. 0300.02 Division No. 2 F.B. 2499 Pg. 143
X-Sec. No. Notes Chk'd. Date Checked Date Survey of Control Line Survey by English Notes Ed. Date 7-77
No. Date Date Map No. Indexed T.M. PALMERI Date AUG 3 1978

76-L-298 CE 307 5-66

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F. B. 2499 PG. 144 | Job No. 0300.02 | Division No. | Notes Red | Plotted | Profile No.
Survey of Beach | Date | Date | X-Sec. No.
Survey by English | Notes Ed. | Notes Chk'd. | Checked
Indexed | Date | Date | Date

PWLB 0915 1941, 195

STATION	B. S.	H. I.	F. S.	ELEV.	Datum = M.L.L.W. Control Line-Stations
T.P.	5 842	30 571		24 729	
"	5 925	30 893	5 603	24 968	
"	5 951	31 217	5 627	25 266	
"	5 878	31 490	5 605	25 612	
118+16	0 803	27 768	4 525	26 965	N-3. Tie(16.45) L.&C.E. Tag in Bike Path. Pg. 80
T.P.	0 362	16 877	11 253	16 515	
118+16	5 228	16 684	5 421	11 456	N-3, 550' offset, 2" I.P. - dn. 30. Pg. 80
T.P.	9 960	22 149	4 495	12 189	
"	9 500	28 211	3 438	18 711	
"	5 288	30 439	3 060	25 151	
"	5 493	30 615	5 317	25 122	
"	5 286	30 491	5 410	25 205	
"	5 890	30 726	5 655	24 836	
"	5 723	31 339	5 160	25 566	
"	6 296	32 485	5 150	26 189	
"	5 348	31 558	6 275	26 210	
"	5 323	31 116	5 815	25 743	
"	3 057	28 916	5 257	25 859	
147+16	6 828	26 771	8 973	19 943	N-4 Tie(141.37) L.&C.E. Tag in Bike Path. Pg. 81
147+16	11 202	33 271	4 702	22 069	N-4 Tie(58.06) Spk. in S.D. H-wall, Pg. 81
T.P.			0 543	32 728	22.069

76-L-298 CE 307 5-66

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Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. ____
X-Sec. No. ____ Date ____ Date ____ Survey of Beach Central
Notes Chk'd. ____ Checked ____ Survey by English Notes Ed. Date 8-77
Date ____ Map No. ____ T.M. ____ Date AUG 3 1978
PWB 09 15 1996 1995 F.B. 2199 PG 45

STATION	B. S.	H. I.	F. S.	ELEV.	Datum = M.L.L.W. Control Line - Stations
T.P.	11 907	44 635		32 728	
"	11 488	55 367	0 756	43 879	
"	5 977	60 142	1 202	54 165	
fd. B.M. 27-12	0 533	58 033	2 642	57 500	B.M. 27-12, el = 57.634, F.B. 2100-171. Vista Del Mar & Waterview St., N.E. cor. 9' N.E. of C.R. A std. disc. (5-767 1945) in
T.P.	0 623	48 203	10 503	47 530	retaining wall 2' above sidewalk.
T.P.	0 661	37 720	11 144	37 059	
"	1 275	27 637	11 358	26 362	
"	3 593	24 060	7 170	20 467	
150+ 83	1 078	17 438	7 700	16 360	N-6 A Tie (50.97) L.& C.E. Tg. in Bike Path - Pg. 82
150+ 83	6 626	18 516	5 548	11 890	℄ Pt. - 501.73 offset North - 2" I.P. - dn. 12" - Pg. 82
T.P.	4 645	18 156	5 005	13 511	
155+87	5 173	17 989	5 340	12 816	℄ Pt. - 501.73 offset - 2" I.P. - dn. 10" - Pg. 83
155+67	4 402	19 939	2 452	15 537	N-7 - 150.21 offset - L.& C.E. Tg. in Bike Path. Pg. 83
T. P.	5 908	20 157	5 690	14 249	
"	5 578	20 113	5 622	14 535	
"	4 884	18 873	6 124	13 989	
166+00	5 092	19 812	4 153	14 720	P.O.T. Tie (107.51) F.C. disc. in Conc. Wlk - Pg. 84
T. P.	5 793	19 412	6 193	13 619	
"	5 050	19 052	5 410	14 002	
"	7 278	20 764	5 566	13 486	
"	6 762	21 858	5 668	15 096	

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76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.	Datum: M.L.L.W. Control Line-Stations
		21 858			
T.P.	4975	20 916	5 917	15 941	
183+39	2256	18 788	4 384	16 532	N-9 C.E. Tag in Conc. Wlk. - Pg. 85.
T.P.	4728	16 913	6 603	12 185	
183+50	5 910	15 376	7 447	9 466	N-10B-∡Pt. 501.73 offset-2" I.P. dn. 18"-Pg. 85.
T.P.	6 098	14 126	7 348	8 028	
186+92	5 169	17 683	1 612	12 514	P.O.T.-479.93 offset-L.&T. in rock - Pg 86.
T.P.	6 012	17 841	5 854	11 829	
186+82	5322	20 473	2 690	15 151	P.O.T.-L.& C.E. Tag in rock - Pg 86.
199+98	4857	20 680	4 650	15 823	P.O.T.-Hex Hd. S.&W. in Pavm't. - Pg 86.
200+40	5968	20 505	6 143	14 537	Br. Cap C.E. Mon. R.E. 7078 in well W.I.C.-Pg 87.
202+00	5545	20 542	5 508	14 997	P.O.T.-L.&T. in Conc. Wlk. - Pg. 87
T.P.	5563	20 441	5 664	14 878	
206+00	5408	20 137	5 712	14 729	P.O.T.-L.&T. in Conc. Wlk. - Pg. 87.
T.P.	5362	20 026	5 473	14 664	
"	5497	19 994	5 529	14 497	
211+91	6 297	20 113	6 178	13 816	N-11-3½" Br. Tablet in well W.I.C.-Pg 87.
212+15			5 664	14 449	N-12-L.&T. in Conc. Wlk. - Pg. 87.
	5 030	19 418		14 388	N-12, el = 14.388, L.&T., F.B. 2100-174
212+15	6 275	19 595	6 098	13 320	N-13, 3½" Br. Tablet in well - Pg. 88
N-13 (Tie)			5 223	14 372	L.& Spk. (Tie dist. = 23.97) - Pg. 88

F.B. 2499 Pg. 146 Job No. 0300.02 Division No. Notes Red. Plotted Profile
Survey of Beach Control Date Date No.
Survey by English Notes Ed. Notes Chk'd. Checked X-Sec.
Indexed Date Date No.

PWLB 0915 199, 200

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STATION	B. S.	H. I.	F. S.	ELEV.	Datum = M.L.L.W. Control Line-Stations
	5 225	19 597		14 372	
T.P.	5 899	19 692	5 804	13 793	
T.P.	5 297	20 225	4 764	14 928	
T.P.	6 267	21 284	5 208	15 017	
T.P.	5 127	20 423	5 988	15 296	
"	5 827	21 625	4 625	15 798	
"	5 914	21 674	5 865	15 760	
"	5 124	20 965	5 833	15 841	
233+37	6 716	21 382	6 299	14 666	N-14, 3½" Brass Tablet, Pg. 89
N-14 (Tie)	3 882	20 914	4 350	17 032	L.& T. in conc. curb. (Tie dist. = 100.40) Pg. 89
T.P.	5 207	20 261	5 860	15 054	
"	5 432	19 794	5 899	14 362	
"	5 525	19 699	5 620	14 174	
"	5 129	20 414	4 414	15 285	
"	5 290	20 361	5 343	15 071	
"	5 028	20 294	5 095	15 266	
252+14			5 726	14 568	(B.M.#48-6) N-15, 3½" Brass Tablet, Pg. 90
fd. B.M. 48-6	5 338	19 872		14 534	B.M.# 48-6 (N-15), C.L.A. B.M. 16-00290. F.B. 1369-12
N-15 (Tie)	4 304	20 629	3 547	16 325	L.& T. in curb, Tie dist. 117.61 from N-16 F.B. 2499-90.
T.P.	4 817	20 237	5 209	15 420	
T.P.	5 632	20 181	5 688	14 549	

PWLB 1014

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. ____ F.B. ~~2499~~ Pg. ~~147~~ 4

No. ____ Date ____ Date ____ Survey of Beach Control

X-Sec. No. ____ Notes Chk'd. ____ Checked ____ Survey by English Notes Ed. Date 8-77

Date ____ Date ____ Map No. ____ Index T.M. PALMERI Date AUG 3 1978

409, 410

76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.	Datum: M.L.L.W. Control Line - Stations
		20 181			
T.P.	5 444	19 617	6 008	14 173	
"	5 407	19 603	5 421	14 196	
264+09	7 102	20 637	6 068	13 535	N-17, 3½" Brass Tablet in H.H. - Pg. 91
N-17(Tie)	5 382	20 711	5 308	15 329	L & C.E. Tag in conc. Bike Path. Tie dist. 174.87 from N-17. Pg. 91.
T.P.	5 989	20 066	6 634	14 077	
"	5 036	20 698	4 404	15 662	
"	4 953	19 885	5 766	14 932	
"	5 020	19 681	5 224	14 661	
271+51	5 377	19 548	5 510	14 171	N-18 Tie (dist. = 12.17) L.&T. - Pg. 92
275+51	5 270	19 142	5 676	13 872	N-19 Tie (dist. = 11.09) L.&T. - Pg. 93
276+56	6 312	19 159	6 295	12 847	N-20, 3½" Brass Tablet in H.H. - Pg. 94
N-20(Tie)	5 456	19 041	5 574	13 585	N-20 Tie (dist. = 13.19) L.&T. - Pg. 94
T.P.	5 727	19 520	5 248	13 793	
282+57	6 157	19 789	5 888	13 632	N-21, 3½" Brass Tablet in H.H. - Pg. 95
N-21(Tie)	4 953	19 752	4 990	14 799	N-21 Tie (dist. = 16.64) L.& C.E. Tag. - Pg. 95
T.P.	5 316	19 914	5 154	14 598	
287+80	6 628	20 057	6 485	13 429	N-22, 3½" Brass Tablet in H.H. - Pg. 96
N-22(Tie)	4 716	20 095	4 678	15 379	N-22 Tie (dist. = 14.83) L & Tk. - Pg. 96.
T.P.	5 505	20 320	5 280	15 815	
T.P.	5 768	20 911	5 177	15 143	

F. B. 2499 Pg. 148 Job No. 0300.02 Division No. Notes Red Plotted Profile
Survey of Beach Control Date Date No.
Survey by English Notes Ed. Notes Chk'd. Checked X-Sec.
Indexed PWLB 1014 Date 411, 412, 413 Date No.

76-L-298 CE 307 3-61

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Profile No. X-Section No. PW 1114 Notes Red Date Notes Chd. Date Plotted Date Checked Date Survey of Control Line Survey by English Ed. Notes Date 10-77 Map No. Indexed T.M. PALMER Date AUG 3 Job No. 0300.02 Division No. F. B. 2499 Pg. 149

STATION	B. S.	H. I.	F. S.	ELEV.	Datum = M.L.L.W. Control Line-Stations	
		20 911				
292+64	6 043	20 735	6 219	14 692	N-24, 3½" Brass Tablet in H.H. - Pg. 97	
N-23 (Tie)	4 844	21 254	4 325	16 410	N-23 Tie (dist. = 20.30)	L. & C.E. Tag. - Pg. 97
T.P.	5 225	20 586	5893	15 361		
"	5 175	20 257	5 504	15 082		
"	5 594	19 999	5 852	14 405		
"	5 645	20 572	5 072	14 927		
"	5 517	20 715	5374	15 198		
"	5 447	20 845	5317	15 398		
311+60	6 062	20 928	5979	14 866	N-25, C.E. Brass Cap Mon. - dn. 12" - Pg. 98.	
N-25 (Tie)	5 430	20 761	5597	15 331	N-25 Tie (dist. = 18.26)	L. & C.E. Tag. - Pg. 98.
T.P.	5428	20 603	5586	15 175		
"	5 753	20 848	5508	15 095		
"	5432	21 044	5236	15 612		
320+09	5 146	21 156	5034	16 010	N-26 Tie (dist. = 12.65)	L. & tk. - Pg. 99
"	5 485	20 995	5646	15 510	" " (" = 27.11)	" " - " "
T.P.	5 510	21 202	5303	15 692		
"	5 366	21 100	5 468	15 734		
329+00	5 996	21 110	5 986	15 114	N-27, L.A. City Brass tablet Mon. - Pg. 100.	
N-27 (Tie)	5 067	21 110	5067	16 043	N-27 Tie (dist. = 22.18)	L. & Spk. - Pg. 100.
332+09	6 033	21 510	5 633	15 477	N-28, 3½" Brass tablet in H.H. - Pg. 101.	

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F.B. 2499 Pg. 150 | Job No. 0300.02 | Division No. | Notes Red | Plotted | Profile No.
Survey of Coastline Ed. | Date | Date | X-Sec. No.
Survey by Engles | Notes | Notes Chk. | Checked
Date 4-14 | Date 5-7-6 | Date 5-7-6 | Date

STATION	B.S.	H.I.	F.S.	ELEV.	Datum = M.L.L.W.	Control Line-Stations
		21 510				
N-28 (Tie)	5922	22 177	5255	16 255	N-28 Tie (dist.=12.54)	L. & C.E. Tag.-Pg.101.
T.P.	5200	21 901	5476	16 701		
N-29 (Tie)	5262	21 635	5528	16 373	N-29 Tie (dist. = 75.73)	L. & C.E. Tag.-Pg. 102.
337+02	6767	21 495	6907	14 588	N-29, L. & T. in H.H. - dia. 12" - Pg. 102.	
337+01	6447	20 654	7288	14 207	N-30, C.E. Brass Cap Mon. - dia. 18" - Pg. 102.	
N-31 (Tie)	5573	20 620	5607	15 047	N-31 Tie (dist. = 73.46)	L. & T. - Pg. 103.
340+38	6210	21 268	5562	15 058	N-31, 3½" Brass tablet in H.H. - Pg. 103.	
T.P.	5283	21 322	5229	16 039		
344+79.66	4736	21 105	4953	16 369	P.O.T. - L. & C.E. Tag.	- Pg. 104.
345+49.53	5287	21 898	4494	16 611	P.O.T. - L. & C.E. Tag.	- Pg. 104.
T.P.	5867	22 562	5203	16 695		
"	5246	21 395	6413	16 149		
"	5024	21 024	5395	16 000		
354+98.61	4928	21 452	4500	16 524	P.O.T. - L. & C.E. Tag.	- Pg. 105.
T.P.	6416	24 252	3616	17 836		
"	11754	32 764	3242	21 010		
"	4905	37 472	0197	32 567		
"	0242	29 957	7757	29 715		
"	5744	30 293	5408	24 549		

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Profile No. PWB 113 Notes Red Plotted Date
X-Sec. No. PWB 113 Checked Date
Date Chkd. Date
Job No. 0300.02 Division No.
Survey 112 Notes Ed. Date 10-77
Survey by Engleish
Map No. Indexed J.M. PALMERI Date AUG 3 1979
F.B. 2499 Pg. 151

STATION	B. S.	H. I.	F. S.	ELEV.	Datum = M.L.L.W. Control Line - Stations
		30293			
fd. B.M. 48-17			4430	25863	B.M. 48-17, CLA 16-00830. F.B. 1369-21.
"	3827	29734		25907	El. = 25.907. a B.M. disk at SW'ly Cor.
T.P.	9677	34283	5128	24606	Santa Monica branch library. Main ST.
"	4342	37345	1230	33003	& Ocean Park Blvd.
"	0398	26109	11634	25711	
"	3996	22791	7314	18795	
"	4915	22779	4927	17864	
"	5276	22481	5574	17205	
"	5155	21596	6040	16441	
366+84	5893	21332	6157	15439	N-33, 3½" Brass tablet in H.H. - Pg. 105.
N-33 (Tie)	4926	21224	5034	16298	N-33 Tie (dist. = 68.18) L. & PK. - Pg. 105.
T.P.	5298	21225	5297	15927	
"	5453	21390	5288	15937	
"	5393	21421	5362	16028	
"	5623	21429	5615	15806	
380+60	5640	20667	6402	15027	N-34, ¾" I.P. P. & tk. in H.H. - dn. 12" - Pg. 106.
N-34 (Tie)	5122	21616	4173	16494	N-34 Tie (dist. = 46.09) L. & C.E. Tag. - Pg. 106.
T.P.	5216	21450	5382	16234	
384+93	6427	21327	6550	14900	N-35, Hex Bar in H.H. - dn. 12" - Pg. 107.
N-35 (Tie)	5677	21822	5182	16145	N-35 Tie (dist. = 8.39) 2" Brass Cap - Pg. 107.

76-L298 CE 307 3-61

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STATION	B.S.	H.I.	F.S.	ELEV.	Datum = M.L.L.W. Control Line - Stations
		21 822			
T. P.	5393	21 439	5776	16 046	
"	5488	21 505	5422	16 017	
"	4882	20 855	5532	15 973	
395+08 (Tie)	4548	20 807	4596	16 259	395+08 Tie (dist. = 9.39) L. & Spk. - Pg. 108.
" " "	5687	20 977	5517	15 290	" " " (dist. = 16.36) L. & C.E. Tag. - Pg. 108
T.P.	5818	21 651	5144	15 833	
"	5060	21 478	5233	16 418	
404+26	5388	21 482	5384	16 094	N-36, 2" I.P.P. & C.E. Tag. - flush - Pg. 109.
N-36 (Tie)	4328	21 454	4356	17 126	N-36 Tie (dist. = 16.82) L. & T. - Pg. 109.
T.P.	5388	21 606	5236	16 218	
408+10	8373	23 364	6615	14 991	N-37, 3½" Brass Tablet in H. H. - Pg. - 110.
408+10	3884	26 933	0315	23 049	N-38 Tie (dist. = 14.80) L. & C.E. Tag - Pg. 111
409+75	2534	23 366	6101	20 832	N-39 Tie (dist. = 14.80) " " " - " "
409+75	5429	21 653	7142	16 224	P.O.T. - L. & C.E. Tag. - Pg. 110
T.P.	5771	21 959	5465	16 188	
"	5426	21 855	5530	16 429	
"	5368	21 743	5480	16 375	
"	5371	21 633	5481	16 262	
"	5830	22 033	5430	16 203	
134.09 Off.			5589	16 444	134.09 offset tie (dist. = 19.71) L. & C.E. Tg. - Pg. 113

F.B. 2499 Pg. 152 Job No. 0300.02 Division No. Notes Red Plotted Profile
Survey of Control Line Date No.
Survey by English Notes Ed. Date Checked X-Sec.
Index PWLB 1113 Date 113, 114, 115, 116 Date No.

76-L298 CE 307 3-61

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Datum: M.L.L.W.	Control Line-Stations
	5 545	21 989		16 444		
134.09 Offset	7610	23 939	5 660	16 329	N'ly. end of 134.09 Offset-C.E. Tag - Pg. 113	
424+41.2	5380	23 887	5432	18 507	N-41 Tie (dist.=23.80) L.&T. - Pg. 112.	
424+41.4	5303	24 055	5135	18 752	N-40 Tie (dist.=17.83) L.&T. - Pg. 112.	
T. P.	5073	23 070	6058	17 997		
"	5020	22 354	5736	17 334		
432+68.8	2 020	18 335	6039	16 315	N-42 Tie, W'ly. C.E. Tag in Conc. B.P.-Pg.114.	
432+75.9	7321	19 389	6267	12 068	N-42A, C.E. Brass Cap Mon.-18" dn.-Pg.116.	
N-42 A (Tie)	3669	19188	3870	15 519	N-42A Tie (dist.=174.67) C.E. Tag-Pg. 116.	
T. P.	8200	21 869	5519	13669		
"	5440	22 177	5132	16 737		
"	5548	22 123	5 602	16 575		
"	5706	20 505	7324	14 799		
"	5733	21 224	5014	15 491		
"	4183	19 997	5410	15 814		
"	5110	19577	5530	14467		
"	5513	20157	4933	14 644		
447+29.2	4575	20 024	4708	15 449	P.O.T. Tie (dist.=228.50) C.E. Tag.-Pg. 117.	
447+29.2			6791	13 233	P.O.T., C.E. Brass Cap Mon.-15" dn. - Pg. 117.	
T.P.	5 047	19 487	5584	14 440		
"	4926	19 396	5017	14 470		

Profile No. PWTB 1213 Notes Red No. X-Sec. Plotted Date Chkd. Date Checked Date Job No. 0300.02 Division No. Surveyed 2-28-78 Survey by English Notes Ed. Date 11-77 Map No. Indexed J.M. PALMER Date 1-3-78

F.B. 2499 Pg. 153

76-L298 CE 307 3-61

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F.B. 2499 Pg. 154 | Job No. 0300.02 | Division No. | Notes Red | Plotted | Profile No.
Survey of Control Line | Date | Date | X-Sec. No.
Survey by Engl. Sch. Notes | Notes | Checked | Ed.
Indexed PMLB 12-13 | Date 29 | Date 30 | No.

STATION	B.S.	H.I.	F.S.	ELEV.	Datum: M.L.L.W.	Control Line-Stations
		19 396				
T.P.	5 244	19 472	5 168	14 228		
"	5 307	18 614	6 165	13 307		
"	5 475	19 271	4 818	13 796		
463+21.9	5 880	20 983	4 168	15 103	P.O.T. Tie (dist. = 256.48) C.E. Tag - Pg. 117.	
463+21.9			8 442	12 549	P.O.T., C.E. Brass Cap Mon. - dn. 15" - Pg. 117.	
T.P.	4 365	20 321	5 027	15 956		
"	5 357	18 925	6 753	13 568		
"	5 948	19 868	5 005	13 920		
"	5 493	19 175	6 186	13 682		
N-43A	7 587	19 654	7 108	12 067	N-43A, C.E. Brass Cap Mon. - dn. 16" - Pg. 115.	
N-43A (Tie)	4 150	20 058	3 746	15 908	N-43A Tie (dist. = 180.27) C.E. Tag - Pg. 115.	
T.P.	5 056	19 686	5 428	14 630		
"	6 417	20 855	5 248	14 438		
"	4 347	19 185	6 017	14 838		
"	5 355	19 406	5 134	14 051		
"	5 658	20 101	4 963	14 443		
P.O.T. (Tie)	5 668	19 532	6 237	13 864	P.O.T. Tie (dist. = 44.95) S.&T. - Pg. 118.	
P.O.T.			7 958	11 574	P.O.T., C.E. Br. Cap Mon. 1600' N. of N-43A - Pg. 118.	
T.P.	8 591	23 065	5 058	14 474		

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STATION	B. S.	H. I.	F. S.	ELEV.	Datum = M.L.L.W. Control Line - Stations
		23 065			
fd. B.M. 48-31			3 523	19 542	B.M. 48-31, USC&GS G-50 CLA14-03 290
	5 525	25 077		19 552	F.B. 1369-32, El. = 19.552: A Brass disk
T.P.	6 576	26 749	4 904	20 173	Pacific Cst. Hwy. at L.A.-Santa
"	4 584	26 149	5 184	21 565	Monica Boundary line.
"	4 848	25 151	5 946	20 303	
"	5 173	24 811	5 513	19 638	
fd. B.M. 48-29A			5 268	19 543	B.M. 48-29A, USC&GS Y1051 (1960),
	6 118	25 648		19 530	F.B. 3729-78, El. = 19.530. A Brass disk
					Pacific Cst. Hwy. & W. side Channel Rd.,
					101' S. of ℄ Channel Rd.
P.O.T. (Tie)	7 453	29 203	3 895	21 750	P.O.T. tie (dist. = 276.20) C.E. Tag - Pg. 118.
P.O.T.			12145	11 053	P.O.T., C.E. Br. Cap Mon. 1500' S. of N-47A - Pg. 118.
T.P.	5 990	30 836	4 357	24 842	
"	4 418	31 196	4 058	26 778	
"	4 856	30 510	5 542	25 654	
"	6 155	30 778	5 887	24 623	
"	4 702	29 933	5 547	25 231	
"	6 682	30 931	5 684	24 249	
N-47A	2 314	29 454	3 791	27 140	N-47A, C.E. Br. Cap Mon. - Pg. 121.
N-47A (Tie)			6 784	22 670	N-47A, Tie (dist. = 77.15) L.& Spk. - Pg. 121

Profile No. PWB 1213 Notes Red. Plotted
X-Sec. No. 31 Date Notes Chk'd. Date Checked Date
Survey by Engineer Notes Date 11-77
Map No. Indexed M. PALMER Date AUG 3 1978
Job No. 0300.02 Division No.
Surveys Control Line
F.B. 2499 Pg. 155

76-L-298 CE 307 5-66

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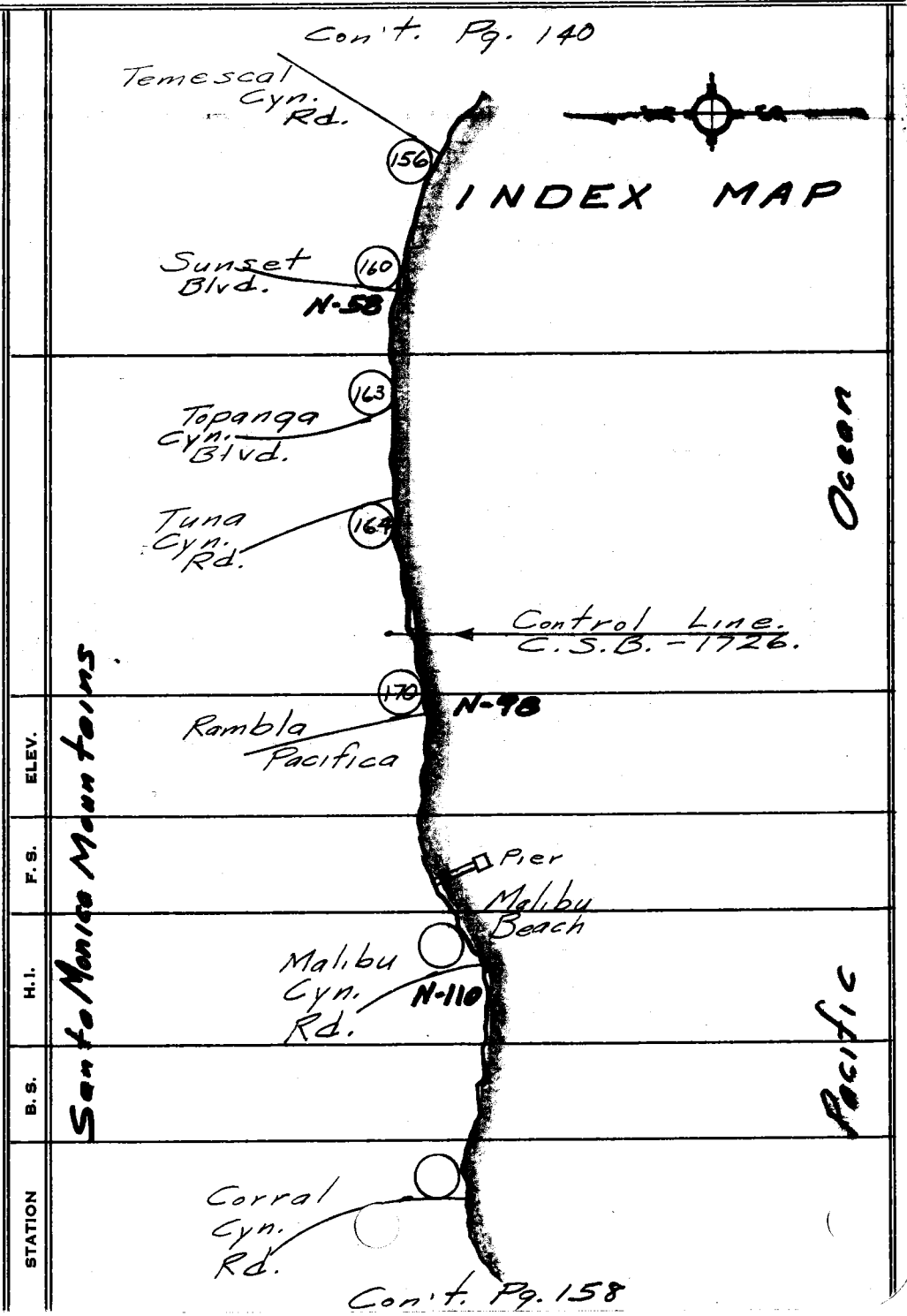
STATION	B. S.	H. I.	F. S.	ELEV.	Datum = M.L.L.W. Control Line - Stations
N-47A (Tie)	8.747	31.417		22.670	
N-47 B.	6.010	33.239	4.188	27.229	N-47B. = ∡ Pt., L.A. City Engr. Brass Cap mon., Pg. 122.
T.P.	1.608	29.000	5.847	27.392	
P.O.T. (Tie)	5.620	28.020	6.600	22.400	P.O.T. - Tie (dist. = 48.21) L.& C.E. Tg., Pg. 122
T.P.	5.663	28.115	5.568	22.452	
"	5.444	28.413	5.146	22.969	
"	6.217	28.872	5.758	22.655	
"	5.533	28.822	5.583	23.289	
"	5.498	29.898	5.422	23.400	
"	4.655	28.285	6.268	23.630	
"	5.923	29.080	5.128	23.157	
"	0.973	24.566	5.487	23.593	
N-49A (Tie)	9.342	24.313	9.595	14.971	N-49A, Tie (dist. = 113.87) L.& C.E. Tg., Pg. 123.
N-49A.	5.867	28.128	2.052	22.261	N-49A, C.E. brass cap mon., Pg. 123.
N-49B.	6.510	28.375	6.263	21.865	N-49B, L.A. City Engr. mon., Pg. 126.
T.P.	5.702	28.257	5.840	22.535	
"	3.860	25.329	6.768	21.469	
"	2.117	22.289	5.157	20.172	
559+56.16	7.727	27.754	2.262	20.027	559+56.16, 157.00 offset, Bt. S.W. & T. Pg. 126
T.P.	6.182	29.001	4.935	22.819	
			5.187	23.814	Con't. to Pg. 159

F. B. 2499 Pg. 156 Job No. 0300.02 Division No. Notes Red Plotted Profile
Survey of Control Line Date No.
Survey by English Notes Ed. Notes Chk'd. Checked X-Sec.
Indexed PWLB Date 1213 Date 33 No.

Profile No.	Notes Red	Plotted	Job No. 0300.02	Division No.	F.B. 2499	Pg. 157
	Date	Date	Survey of Control Line			
X-Sec. No.	Notes Chkd.	Checked	Survey by English	Notes Ed.	Date 11-77	
	Date	Date	Map No.	Indexed T.M. PALMER	Date AUG 3 1979	



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

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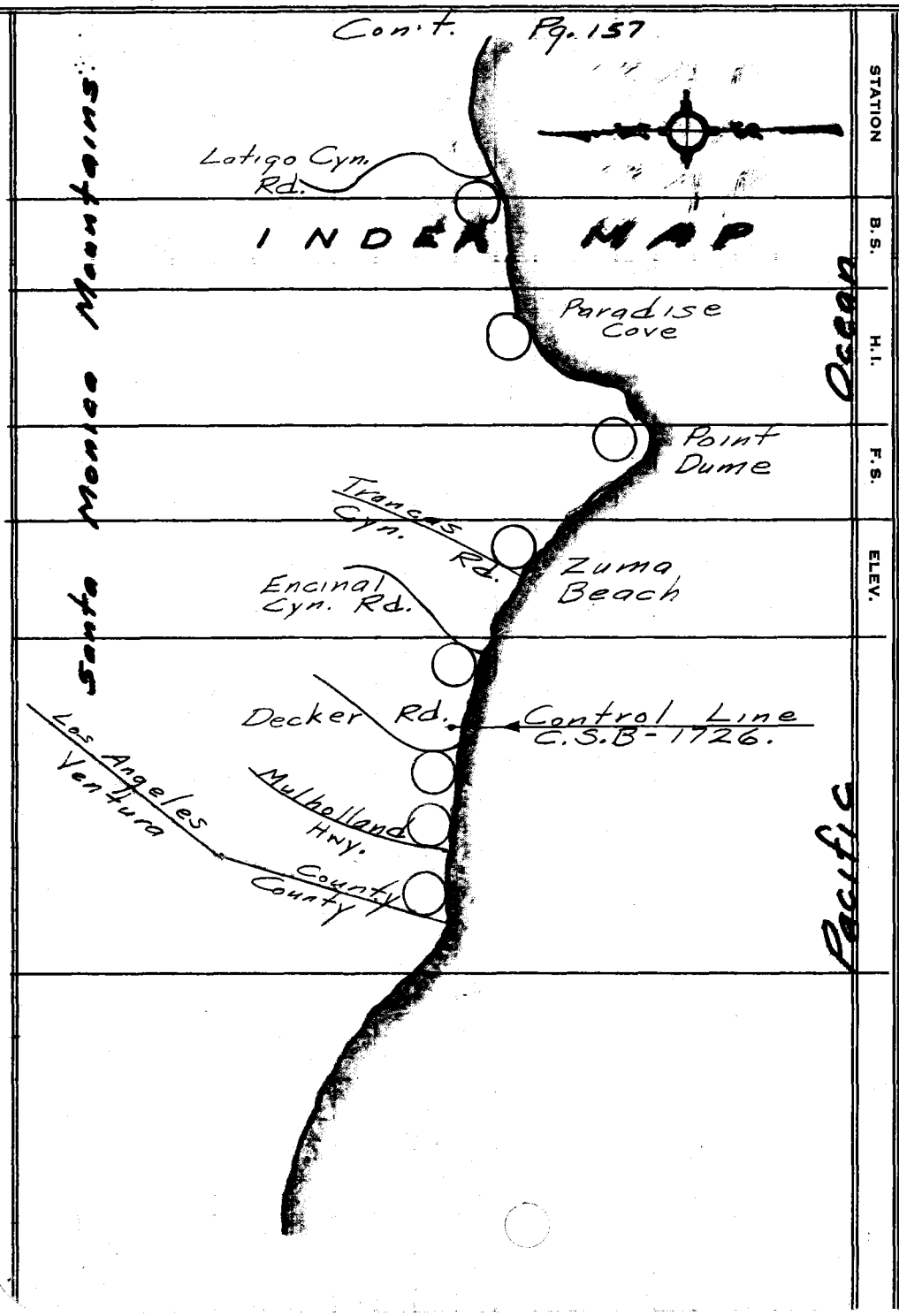
76-1298 CE 307 3-61

F.B. 2499 Pg. 158 | 0300.02 Job No. Division No. Notes Red Plotted Profile

Survey of Control Line Date Date No.

Survey by English Notes Ed. Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.



76-L298 CE 307 3-61

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76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.	Datum = M.L.L.W.	Control Line - Stations
T.P.	2.357	26.171		23.814	Con't. from Pg. 156.	
	2.643	18.520	10.500	15.871		
N-52A (Tie)	10.457	21.864	[illegible]	11.[illegible]	N-52A, Tie (dist.=99.29) L.&C.E. Tag in	
	[illegible]	30.[illegible]	[illegible]	20.[illegible]	shower base. F.B. 2499-124	
N-52 A	4.7[illegible]	29.[illegible]	[illegible]	24.779	N-52A, 157.00 offset Line & Pt.	
	[illegible]	27.764	[illegible]	23.[illegible]	c.s. brass cap mon. in H.H. - Pg. 124.	
	3.898	25.655	5.997	21.[illegible]		
	5.450	26.[illegible]	4.8[illegible]	20.732		
N- 53 (Tie)	[illegible]	25.[illegible]	5.5[illegible]	20.[illegible]	157.00 offset - 90° to N-53, Bt. S.W. & T. - Pg. 125.	
N-53 A	5.744	26.[illegible]	[illegible]	20.[illegible]	N-53A, L.A. City mon. - Pg. 125.	
T.P.	4.9[illegible]	26.4[illegible]	5.3[illegible]	21.516		
P.O.T.	5.532	28.176	4.785	21.6[illegible]	P.O.T., 381.00 to N-53, Bt. S.W. & T. - Pg. 127.	
T.P.	[illegible].415	25.236	5.355	22.821		
	3.2[illegible]	18.0[illegible]	10.512	14.724		
P.O.T.	4.853	17.464	5.406	12.611	P.O.T., L.&C.E. Tag in shower base - Pg. 127.	
T.P.	4.622	17.593	4.49[illegible]	12.971		
"	4.3[illegible]	18.[illegible]	4.357	13.236		
"	6.350	19.362	5.087	13.[illegible]		
"	4.270	19.[illegible]	4.543	14.[illegible]		
P.O.T.	3.898	15.725	7.162	11.922	P.O.T., L.&C.E. Tag in Groin - Pg. 128.	
T.P.			4.680	11.045		

Profile No. PWLD 1212 Job No. 0300.02 Division No.
X-Sec. No. Date Date Survey of Control Line
Notes Chk'd. Date Checked Date Survey by English Nor Carr Date 12-77
Map No. 1 of 1 Map Chk'd. T.M. ALMERIO Date AUG 3 1978
F. B. 2499 Pg. 159

76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.	Datum = M.L.L.W.	Control Line-Stations
T.P.	3.513	14.558		11.045		
P.O.T.	[illegible]	21.[illegible]	3.364	11.194	P.O.T., L. & C.E. Tag in Groin - Pg. 128.	
T.P.	8.188	28.960	0.420	20.772		
"	5.987	30.707	4.240	24.720		
"	3.073	30.498	3.282	27.425		
N-55A	6.196	30.484	6.210	24.288	N-55A, 9.00 off, C.E. Br. Cap Mon. - Pg. 129.	
N-55A (Tie)	6.378	31.610	5.252	25.232	N-55A Tie (dist. = 98.95) L. & Lg. Nail - Pg 129.	
T.P.	6.310	34.070	3.850	27.760		
"	5.904	32.578	5.396	28.674		
"	5.973	32.061	6.490	26.088		
"	4.756	33.083	3.734	28.327		
P.O.T.	0851	30.342	3.592	29.491	P.O.T., 264.19 from N-58, Bt. S.W. & T. - Pg. 130.	
N-58	6652	29.674	7.320	23.022	N-58, C.S. br. Cap mon. in H.H. - Pg. 130.	
N-58 (Tie) fd.	4378	28.522	5.530	24.144	N-58 Tie (dist. = 79.13) L. & C.E. Tag - Pg. 130.	
B.M. 48-53			7585	20 937	B.M. 48-53, C.L.A. B.M. 14-02430	
"	6388	27 341		20 953	F.B. 1369-46, El. = 20.953. City L.A. Hex bar.	
T.P.	6960	29 936	4365	22 976	Pacific Cst. Hwy. & Sunset Blvd Approx. ℄ Intersection.	
N-60A (Tie)	6056	31 439	4553	25 383	N-60A Tie (dist. = 174.30) P.O.T. L. & C.E. Tag - Pg. 131.	
N-60A	6481	32 933	4 987	26 452	N-60A, C.E. br. Cap mon. in H.H. - Pg. 131.	
T.P.	5617	32 502	6 048	26 885		
"			6 401	26 101		

F. B. 2499 Pg. 160 Job No. 0300.02 Division No. Notes Red Plotted Profile
Survey of Control Line Date Date No.
Survey by English Notes Ed. & Coro Notes Chk'd. Checked X-Sec.
Indexed PWLB 1212 Date 18 Date Date No.

76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.	Datum = M.L.L.W.	Control Line - Stations
T. P.	4225	30326		26 101		
"	5119	29 522	5923	24 403		
fd. B.M. 48-56			4340	25 183	fd. B.M. 48-56, U.S. 2986, USC&GS J-576, CLA-	
"	2800	27 979		25 179	BM 14-03730, J-576-1939 F.B. 1369-47	
T. P.	5983	28 682	5280	22 699	El. = 25.179. Pacific Cst. Hwy. @ Castellamare	
"	5624	31 731	2575	26 107	overhead Ped. bridge.	
"	1248	28 299	4680	27 051		
N-62A			1102	27 197	N-62A, C.E. br. Cap Mon. 12" dn. - Pg. 132.	
N- 61B			14232	14 067	N-61B, C.E. br. Cap Mon. 12" dn. - Pg. 132.	
N-61B (Tie)	2754	21 731	9322	18 977	N-61B Tie (dist. = 160.21) L.&W.S. in hd. Wall - Pg. 132	
T. P.	2765	17 464	7032	14 699		
"	9310	21 235	5539	11 925		
"	11359	32 269	0235	20 910		
"	7550	38 698	1121	31 148		
N-63 (Tie)	11042	45 228	4512	34 186	N-63 Tie (dist = 20.66) L.&T. in Conc. Step - Pg. 133	
N-63	7449	49 887	2790	42 438	N-63, Br. Tablet - 3½", L.A. City dn. 24" - Pg. 133.	
N-63A	5203	49 051	6039	43 848	N-63A, L.A. City E. br. Cap mon. - Pg. 133.	
T. P.	1735	43 376	7410	41 641		
"	1356	35 272	9460	33 916		
N-64 (Tie)	3932	30905	8299	26 973	N-64 Tie (dist. = 72.42) L.&C.E. Tag. - Pg. 134.	
N-64 (Tie)	5378	30 585	5698	25 207	N-64 Tie (dist. = 12.40) ∡ Split L.&C.E. Tag - Pg. 134.	

Profile PWLB 1211 Plotted _____ Job No. 0300.02 Division No. 11 12 F.B. 2499 Pg. 167
No. _____ Date _____ Date _____ Survey of Control Line
X-Sec. Notes Chk'd. _____ Checked _____ Survey by English Notes Carp Date _____
No. _____ Date _____ Date _____ Map No. _____ Indexed T.M. PALMER Date AUG 3 1979

76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.	Datum = M.L.L.W. Control Line - Stations
fd.		30 585			fd.
B.M. 48-59A			6549	24 036	B.M. 48-59A, CLA B.M. 14-03850, LACRD
"	5481	29 534		24 053	BY 5369. City of L.A. hex bar. F.B. 1369-137.
T.P.	4742	28 609	5 667	23 867	El. = 24.053. Pacific Cst. Hwy. & J. Paul Getty
"	5120	27 709	6 020	22 589	museum, opposite #18002 P. Cst. Hwy. (Ted's
"					Rancho restaurant).
N-65A	6532	27 694	6 547	21 162	N-65A, C.E. br. Cap mon. in Well With I.C. - Pg. 135.
N-65A (Tie)	4810	26 792	5 712	21 982	N-65A Tie (dist. = 7.21) L.& C.E. Tag in C.B. - Pg. 135.
N-66A (Tie)	3 119	26 604	3 307	23 485	N-66A Tie (dist. = 120.83) Top Fire Hyd. - Pg. 136.
N-66A	6729	27 428	5 905	20 699	N-66A, C.E. br. Cap mon. in Well With I.C. - Pg. 136.
T.P.	5548	27 826	5 150	22 278	
N-67A	6370	28 179	6 017	21 809	N-67A, C.E. br. Cap mon. in Well With I.C. - Pg 137.
T.P.	4672	26 766	6 085	22 094	
"	5366	26 144	5 988	20 778	
N-68	5327	25 271	6200	19 944	N-68, C.E. br. Cap mon. in Well With I.C. - Pg. 138.
N-68 (Tie)	11055	25 794	10 532	14 739	N-68, Tie (dist. 50.81) L.& C.E. Tag in S.D. box - Pg. 138.
T.P.	6161	27 423	4 532	21 262	
"	7120	29 943	4 600	22 823	
"	4981	30 463	4 461	25 461	
N-69			6765	23 698	N-69, 3½" br. tablet stp'd City Engr. - Pg. 189.

F. B. 2499 Pg. 162 Job No. 0300.02 Division No. Notes Red Plotted Profile
Survey of Control Line Date Date No.
Survey by English Notes Chkd. Checked X-Sec.
Indexed PWLB 1211 Date 13, 14, 15 Date No.

76-L-298 CE 307 5-66

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Datum = M.L.L.W.	Control Line - Station
N-69	6968	30666		23 698	Pg. 162	
N-69 (Tie)	5890	32 702	3 854	26 812	N-69 Tie (dist. = 46.44) L. & C.E. Tag - Pg. 189.	
⊼ Pt. 10' off (Tie)	0998	30 241	3 459	29 243	⊼ Pt. 10' offset tie (dist. = 30.67) Bt. Spk.	
T.P.	0608	20 844	10 005	20 236	W. & T. - Pg. 190	
"	4920	17 234	8 530	12 314		
"	4600	15 179	6 655	10 579		
"	3733	15 991	2 921	12 258		
P.O.T.	4868	17 238	3 621	12 370	P.O.T. Bt. Spk. W. & T. in bulkhead - E'ly. - Pg. 195.	
⊼ Ln. & Pt.	4287	17 566	3 959	13 279	⊼ Ln. & Pt., C.E. Mon. dn. 2' - Pg. 195.	
P.O.T.	0441	12 917	5 090	12 476	P.O.T. Bt. Spk. W. & T. in bulkhead - W'ly. - Pg. 195.	
T. P.	3870	12 175	4 612	8 305		
"	5020	13 274	3 921	8 254		
"	4882	15 490	2 666	10 608		
⊼ Ln. & Pt. (Tie)	4656	19 801	0345	15 145	⊼ Ln. & Pt. Tie (dist. = 225.29) Bt. Spk. in P.P. # —	
T. P.	8492	27 763	0530	19 271	up 6" - Pg. 191.	
"	11 780	39 078	0465	27 298		
fd."	4191	37 817	5 452	33 626	fd.	
B.M. 48-62			6 270	31 547	B.M. 48-62, US 2699, USC & GS P-99 Reset 1933	
"	5519	37 082		31 563	F.B. 1369-52, El. = 31.563. Pacific Cst. Hwy.	
T.P.	0821	31 143	6 760	30 322	about 0.25 mi. W. of Topanga Cyn. Blvd. @ E. end	
"	3168	24 086	10 225	20 918	bridge # 53-35 over Topanga Creek.	

Profile No. PWLD 12 11 Plotted Date Typed No. 8300.02
X-Sec. No. 16 Survey of Control Line
Notes Chk'd. Date Checked Date Survey by English Notes Caro Date 1-19-78
Map No. Indexed J.M. PALMERI Date AUG 3 1978
F. B. 2499 Pg. 143

76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.	Datum = M.L.L.W.	Control Line-Stations
		24 096				
T. P.	0 457	17 288	7 255	16 831		
"	6 660	17 366	6 582	10 706		
"	7 208	23 227	1 347	16 019		
P.O.T.	2 646	23 972	1 901	21 326	P.O.T., C.E. Br. Cap Mon. dn. 6" - Pg. 194.	
T. P.	4 010	18 363	9 619	14 353		
"	4833	19 706	3 490	14 873		
⊼Ln. ∡ Pt. (Tie)	0 288	17 194	2 800	16 906	⊼Ln. ∡ Pt. Tie (dist. = 18.07) Bt. S.W. & T. = Pg. 194.	
T. P.	3 151	13 597	6 748	10 446		
"	6 124	14 905	4 816	8 781		
N-75 (Tie)	0 780	15 371	0 314	14 591	N-75 Tie (dist. = 41.00) Lg. Bt. Spk. in	
T. P.	3 775	11 968	7 181	8 190	8" pile - Pg. 192.	
"	3 281	13 110	2 139	9 829		
"	6 389	13 131	6 368	6 742		
"	5 209	13 037	5 303	7 828		
N-76 (Tie)	3 171	12 037	4 171	8 866	N-76 Tie (dist. = 8.03) L. & C.E. Tag - Pg. 193.	
T.B.M. #3	5 037	15 546	1 528	10 509	T.B.M. - fd Bt. Spk. in Wood pile under S.W. Cor. of House. - 60' W. of N-76. (#18948) F.B. 3790 - 103.	
T.P.	5 608	15 174	5 980	9 566		
N-77 (Tie)	7 442	16 572	6 044	9 130	N-77 Tie (dist. = 41.75) L. & C.E. Tag - Pg. 196.	
T.P.	11 722	25 876	2 418	14 154		
N-77 (Tie)	5 928	27 530	4 274	21 602	N-77 Tie (dist. = 76.58) L. & C.E. Tag - Pg. 196.	

Profile No. ____ Plotted ____ Notes Red ____ Division No. PWLB 1211 Job No. 0300.02 F. B. 2499 Pg. 164
X-Sec. No. ____ Date ____ Date ____ Notes Chk'd. ____ Notes ____ Control Line
Checked ____ Date ____ Date ____ Survey by English Survey of Cerro
Indexed ____ Date ____ Date ____

76-L-298 CE 307 5-66

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Profile No. PWB 1210 Red. Noted Date
X-Sec. No. Notes Chk'd. Date Checked Date
Job No. 3.70.02 Division No.
Survey of Control Line
Survey by Field Sol. No. 89 Cairo Date 2-78
Bk. No. 87 88 Index No. M.M. PALMER Date AUG 3 1978
F. B. 2449 Pg. 165

STATION	B. S.	H. I.	F. S.	ELEV.	Datum=M.L.L.W.	Control Line - Stations
		27 530				
T.P.	5 097	26 893	5 734	21 796		
"	0 285	21 730	5 448	21 445		
"	3 476	15 302	9 904	11 826		
"	4 550	14 625	5 227	10 075		
N-78 (Tie)	0 505	12 542	2 588	12 037	N-78 Tie (dist.=22.8)	Bt. Spk. in pile - Pg. 197
T.P	5 700	11 694	6 548	5 994		
P.O.T.	1 280	9 860	3 114	8 580	P.O.T., L. & T. in Lg. rock - Pg. 198.	
N-79	3 686	12 262	1 284	8 576	N-79, C.E. Tag in Conc. groin. - Pg. 198.	
T.P.	5 397	12 019	5 640	6 622		
N-80 (Tie)	2 360	10 791	3 588	8 431	N-80 Tie (dist.=9.91)	Bt. Spk in pile - Pg. 199.
P.O.T.	3 478	10 455	3 814	6 977	P.O.T., C.E. Tag in Conc. groin - Pg - 199.	
T.P.	7 953	13 666	4 742	5 713		
N-81 (Tie)	1 582	11 586	3 662	10 004	N-81 Tie (dist.=86.63)	C.E. Tag Conc. Wall - Pg. 201.
N-81	6 433	13 241	4 778	6 808	N-81, C.E. Tag in Conc. groin - Pg. 201.	
T.P.	6 295	15 653	3 883	9 358		
"	6 110	16 601	5 162	10 491		
N-82	0 608	15 860	1 349	15 252	N-82, C.E. Tag in Conc. groin - Pg. 200.	
N-82 (Tie)	3 940	16 642	3 158	12 702	N-82 Tie (dist.=121.98)	C.E. Tag in groin - Pg. 200.
T.P.	10 826	26 591	0 877	15 765		
N-82 (Tie)	6 337	29 788	3 140	23 451	N-82 Tie (dist.=32.68)	C.E. Tag in Conc. pad - Pg. 200.

76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.	Datum: M.L.L.W.	Control Line-Stations
		29 788				
T. P.	5 805	29 815	5 778	24 010		
"	5 390	30 365	4 840	24 975		
"	6 470	31 377	5 458	24 907		
"	6 448	33 377	4 448	26 929		
"	6 446	35 858	3 965	29 412		
"	4 990	35 804	5 044	30 814		
"	4 895	33 491	7 208	28 596		
N-83 (Tie)	5 665	32 664	6 492	26 999	N-83 Tie (dist. = 16.21)	Sm. B.t.S. & T. top pile - Pg. 202.
P.O.T.	9 464	33 225	8 903	23 761	P.O.T., Brass pin & W. top 3"x12" board - Pg. 202.	
T. P.	7 368	35 495	5 098	28 127		
"	4 883	34 443	5 935	29 560		
fd. "	5 518	34 421	5 540	28 903	fd.	
B.M. 48-68			4 491	29 930	B.M. 48-68, Las Flores L-8A, CLA 15-00170,	
	4 264	34 177		29 913	LACRD BY5378. (1947 2177), F.B. 1369-57.	
T. P.	5 408	34 297	5 288	28 889	Pacific Cst. Hwy. 113.5' N'ly of N.E. Cor of	
T. P.	1 069	31 222	4 144	30 153	Hse. #19706, 48' W'ly of T.P. #16743Y, 39'	
"	1 538	21 709	11 051	20 171	N'ly. of ℄ of Hwy. (El. = 29.913)	
"	4 278	14 189	11 798	9 711		
P.O.T.	2 048	13 395	2 842	11 347	P.O.T., C.E. Tag in Conc. grain. - Pg. 202	
T. P.	3 721	14 418	2 698	10 697		

F. B. 2477 PG. 166
Survey of Control Line
Survey Date 1/15/57
Indexed PWB 12 16 Gard
Job No. 0300.02
Division No.
Notes Red. Date
Notes Chk'd. Date 90
Plotted Date
Checked Date
Profile No.
X-Sec. No.

76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.	Datum = M.L.L.W.
		14 418			
N-84	5 020	13 812	5 626	8 792	N-84, L.&T. in Lg. Rock. - Pg. 203.
N-84 (Tie)	0 640	13 812	0 640	13 172	N-84 Tie (dist. = 16.88) Br. pin & W. in 12" pile - Pg. 203.
T. P.	2 410	13 851	2 371	11 441	
"	7 426	14 709	6 568	7 283	
"	0 398	13 540	1 567	13 142	
"	1 998	14 206	1 332	12 208	
N-85 (Tie)	1 611	12 517	3 300	10 906	N-85 Tie (dist. = 24.22) Chis. "X" in Conc. Step - Pg. 204.
N-85 (Tie)	0 491	12 485	0 523	11 994	N-85 Tie (dist. = 58.64) Br. pin & W. in 12" pile - Pg. 204.
T. P.	4 622	12 433	4 674	7 811	
"	3 138	12 226	3 345	9 088	
N-86 (Tie)	- 0100	12 046	0 080	12 146	N-86 Tie (dist. = 40.64) Br. pin & W. in 12" pile - Pg. 205.
T. P.	7 406	14 415	5 037	7 009	
N-86 (Tie)	0 710	15 737	+ 0 612	15 027	N-86 Tie (dist. = 45.72) Br. pin & W. in 12" pile - Pg. 205.
T. P.	4 531	14 106	6 162	9 575	
"	5 660	13 585	6 181	7 925	
"	5 513	14 307	4 791	8 794	
N-87	5 410	17 247	2 470	11 837	N-87, C.E. Tag in Lg. Rock - Pg. 206.
N-87 (Tie)	2 724	17 230	2 741	14 506	
T. P.	2 690	11 305	8 615	8 615	
N-88	5 665	11 354	5 616	5 689	N-88, L.&T. in Lg. Rock. - Pg. 207.

Profile No. PWLB Date 12 10 91 Notes Rd. Plotted Date Job No. 03 00.02 Division No.
X-Sec. No. Notes Chk'd. Date Checked Date Survey No. 3 92 C 2 93 / 94 Map No. Notes Cal'd. Date
Survey by Engineer Indexed T.M. PALMER Date AUG 3 1978
F. B. 2499 Pg. 1-87

76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.	Datum = M.L.L.W.
		[illegible] 354			
N-88 (Tie)	0 980	[illegible] 253	1 081	10 273	N-88 Tie (dist. = 23.47) Br. pin in 12" pile -
T. P.	7 466	13 508	5 211	6 042	Pg. 207.
T. P.	8 509	15 337	6 680	6 828	
N-89 (Tie)	2 288	15 301	2 324	13 013	N-89 Tie (dist. = 17.83) C.E. Tag in Rock - Pg. 208.
N-89 (Tie)	8 437	15 880	7 853	7 443	N-89 Tie (dist. = 12.81) C.E. Tag in Rock - Pg. 208.
P.O.T.	4 572	14 063	6 389	9 [illegible]	P.O.T., C.E. Tag in Rock - Pg. 211.
T. P.	5 641	15 323	4 [illegible]	9 [illegible]	
"	1 592	12 [illegible]	4 [illegible]	10 521	
N-90 (Tie)	-0 133	12 118	+0 138	12 251	N-90 Tie (dist. = 17.97) Br. pin in 12" pile - Pg. 212.
T. P.	5 824	17 462	0 480	11 638	
N-90 (Tie)	4 855	17 419	4 898	12 564	N-90 Tie (dist. = 36.70) Br. pin in 12" pile - Pg. 212.
T. P.	3 477	14 598	6 298	11 121	
T. P.	5 822	12 930	7 490	7 108	
"	1 168	12 321	1 777	11 153	
"	8 282	15 534	5 069	7 252	
"	3 060	16 812	1 782	13 752	
P.O.T.	7 177	15 468	8 521	8 291	P.O.T. C.E. Tag. in Rock - Pg. 213.
P.O.T. (Tie)	1 271	14 666	2 073	13 395	P.O.T. Tie (dist. = 24.55) 3" Bt. Spk in top
T. P.	5 573	15 495	4 744	9 922	3"x12" post. - Pg. 213.
N-91 (Tie)	1 821	15 807	1 509	13 986	N-91 Tie (dist. = 183.04) L&T. in top C.D.P. - Pg. 214.

F. B. 2499 Pg. 168 Job No. 0300.02 Division No. Notes Red Plotted Profile
Survey of Control Line Date Date No.
Survey by English Notes Chk'd. Checked X-Sec.
Index PWLB 1210 Date 95/96 Date No.

76-L-298 CE 307 5-66

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PWLB 1209

Profile No. ___ Notes Red ___ Plotted ___ Job No. 0300.02 Division No. ___
X-Sec. No. ___ Date ___ Date ___ Survey of Centerline
Notes Chk'd. ___ Date ___ Checked 242 Date ___ Survey No. 243, 244, 245 Date 7-28
Map No. ___ Indexed ___ By PALMER Date AUG 3 1978
F. B. 2497 PG. 169

STATION	B. S.	H. I.	F. S.	ELEV.	Datum = M.L.L.W.
		15 807.			
N-91	4 970.	17 097.	3 680.	12 127.	N-91, C.E. Tag in Rock - Pg. 214.
N-91 (Tie)	1 202.	17 411.	0 888.	16 209.	N-91 Tie (dist. = 28.60) C.E. Tag in Conc.
T. P.	0 180.	11 043.	6 548.	10 863.	footing. - Pg. 214.
N-92	5 088.	12 166.	3 965.	7 078.	N-92, C.E. Tag in Rock - Pg. 215.
N-92 (Tie)	0 377.	12 172.	0 371.	11 795.	N-92 Tie (dist. = 45.87) Sm. Bt. S. & W. in
T. P.	4 078.	11 087.	5 163.	7 009.	Sea Wall - Pg. 215.
P.O.T.	6 491.	13 885.	3 693.	7 394.	P.O.T. (4.06 W'ly from N-93) C.E. Tag in Rock - Pg. 216.
N-93 (Tie)	1 813.	15 183.	0 515.	13 370.	N-93 Tie (dist. = 72.44) Sm. Bt. S. in Cor. & 3'
T. P.	5 327.	14 804.	5 706.	9 477.	below Wd. plank Sea Wall - Pg. 216.
N-94 (Tie)	1 158.	14 672.	1 290.	13 514.	N-94 Tie (dist. = 64.93) C.E. Tag in pile - Pg. 217.
N-94 (Tie)	0 928.	14 628.	0 972.	13 700.	N-94 Tie (dist. = 34.13) " " " " " " "
T. P.	4 960.	17 259.	2 329.	12 299.	
"	4 442.	15 479.	6 222.	11 037.	
"	4 819.	14 728.	5 670.	9 809.	
"	7 790.	17 680.	4 838.	9 890.	
"	0 740.	13 298.	5 122.	12 558.	
N-95 (Tie)	1 097.	13 890.	0 505.	12 793.	N-95 Tie (dist. = 14.89) Sm. Bt. S. in pile - Pg. 218
N-95 (Tie)	4 618.	15 633.	2 875.	11 015.	N-95 Tie (dist. = 8.6) Lg. Bt. S. " " " "
T. P.	2 959.	14 677.	3 915.	11 718.	
T. P.	3 986.	12 633.	6 030.	8 647.	

76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.	Datum = M.L.L.W.
		12 633			
T. P.	5 822	11 890	6 565	6 068	
N-96 (Tie)	5 920	14 819	2 991	8 899	N-96 Tie (dist. = 29.48) C.E. Tag in Rock - Pg. 219.
N-96 (Tie)	1 362	14 505	1 676	13 143	N-96 Tie (dist. = 43.61) "X" in Conc. step - Pg. 219.
P.O.T.	7 817	16 623	5 699	8 806	P.O.T. (101.25 E'ly. from N-97) C.E. Tag in rough Conc. - Pg. 220.
N-97 (Tie)	2 279	15 441	3 461	13 162	N-97 Tie (dist. = 3.29) 3" Bt. S. in W. side
T. P.	3 837	17 438	1 840	13 601	14" x 14" Wd. beam - Pg. 220.
N-98	4 383	14 411	7 410	10 028	N-98, C.E. Tag in rough Conc. - Pg. 221.
N-98 (Tie)	4 178	15 075	3 514	10 897	N-98 Tie (dist. = 6.26) C.E. Tag in Rock. - Pg. 221.
P.O.T.	3 452	14 104	4 423	10 652	P.O.T. (104.96 W'ly. from N-98) C.E. Tag in Conc. - Pg. 221.
P.O.T.	6 776	17 959	2 921	11 183	P.O.T. (201.60 " " " ") " " " in rough
T. P.	8 072	22 541	3 490	14 469	Conc. - Pg. 222.
"	4 093	25 037	1 597	20 944	
"			4 420	20 617	
fd. B.M. 48-73	4 329	24 901		20 572	fd. B.M. 48-73, U.S.C. & GS, N-576 - 1939.
T. P.	6 589	27 278	4 212	20 689	F.B. 1369-62. El. = 20.572 (M.L.L.W.). Pacific
"	6 881	29 954	4 205	23 073	Cst. Hwy & Rambla Pacifico Dr. @ N.W. Cor. Las
"	3 329	26 138	7 145	22 809	Flores Cyñ. bridge. Top S.E. end Conc. ret. Wall,
"	5 008	23 047	8 099	18 039	1' N.W. of N.W. end guard rail.
"	6 590	24 472	5 165	17 882	
"	5 825	24 227	6 070	18 402	Con't. Pg. 174

F. B. 2499 Pg. 170 Job No. 0300.02 Division No. Notes Red Plotted Profile
Survey of Control Line Date No.
Survey by English Notes Caro Date Notes Chk'd. Checked X-Sec.
Index PWLB 1209 Date 246 Date No.

76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.	Datum = M.L.L.W.	Control Line Stations
fd. B.M.48-80A	2 507	27 584		25 077	fd. B.M.48-80A, USC&GS C-1052, 1960, LACRD BY 5392. F.B. 1369-68, El. = 25.077 (M.L.L.W.) Pacific Cst. Hwy., E. of Malibu Cyn. Rd. @ Malibu Crk. Brdg. # 53-32, 5.0' E. of W. end Brdg. on N. side of Hwy. Top Conc. guard rail 3.5' higher than Hwy.	
fd. B.M.48-80	3 140	25 416	5 308	22 276	fd. B.M.48-80, LACRD BY 5391 Lg. Bt. Spk. F.B. 1369-68, El. = 22.268 (M.L.L.W.) Pacific Cst. Hwy., E. of Malibu Cyn. Rd. @ Malibu Crk. Brdg. # 53-32, 11' E. of W. end on S. side of Hwy. S. curb.	
T. P.	2 638	20 808	7 246	18 170		
"	6 002	17 363	9 447	11 361		
"	4 432	16 290	5 505	11 858		
"	4 730	16 360	4 660	11 630		
"	3 481	15 041	4 800	11 560		
"	5 099	13 120	7 020	8 021		
"	4 743	16 515	1 348	11 772		
"	3 330	14 853	4 992	11 523		
"	4 873	13 582	6 144	8 709		
"	3 142	13 789	2 935	10 647		
# 1	5 338	18 940	0 187	13 602	# 1 (off Control Ln. dist. = 39.2) Bt. Spk. 0.85' below top wall - Pg. 234 & 229.	
T. P.	5 030	15 910	8 060	10 880		
"	5 450	16 415	4 945	10 965		
"	5 876	19 458	2 833	13 582		
# 2	2 710	19 277	2 891	16 567	# 2 (off Control Ln. dist. = 20.6) S.W.&T. in top 15" pile - Pg. 234.	
T. P.	1 277	19 473	1 081	18 196		

Profile No. ____ Date ____ Notes Rev'd. ____ Date ____ Notes Chk'd. ____ Date ____ Checked ____ Date ____ Map No. ____ Indexed ____ Date ____

PWLB 1208 Job No. 0300 02 Division No. 11 F. B. 2499 Pg. 177

X-Sec. No. ____ Date ____ Date ____ Survey of Control Line

Survey by English Notes Carp Date 2-78

T.M. PALMER Date AUG 3 1978

76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.	Datum = M.L.L.W.	Control Line Stations
		19 473				
T. P.	2 339	16 400	5 412	14 061		
"	5 775	15 710	6 465	9 935		
#3	0 058	15 723	0 045	15 665	#3 (off Control Ln. dist. = 14.7) Bt. S.W. & T-S. face	
T. P.	4 902	15 174	5 451	10 272	Sea Wall 2.7 below top of Wall - Pg. 234.	
"	5641	15 713	5 102	10 072		
T.B.M.	0040	15 733	0 020	15 693	T.B.M. - Bt. S.W. & T. in top of 6" x 8" Wd.	
T. P.	3 713	13 785	5 661	10 072	Sea wall rail. 3' below top Sea Wall - Pg. 230.	
T. P.	4 780	14 225	4 340	9 445		
"	5 802	14 614	5 413	8 812		
#4	0 805	14 176	1 243	13 371	#4 (off Control Ln. dist. = 40.8) chiseled "x" in top Conc.	
T. P.	5 291	15 332	4 135	10 041	ledge 3° below top Sea wall - Pg. 234.	
"	3 948	13 965	5 315	10 017		
"	6 430	16 615	3 780	10 185		
T.B.M. #58	0 041	16 636	0 020	16 595	T.B.M. #58 - fd P.K. in top Sea wall - Pg. 231.	
T. P.	4 467	14 652	6 451	10 185		
T.B.M. & #5	1 590	14 892	1 350	13 302	T.B.M. - Bt. S.W. & T. (N-111 Tie, dist. = 33.57)	
T. P.	4 178	13 729	5 341	9 551	Pg. 231 & #5 (off control Ln. dist. = 11.6) Pg - 234.	
"	4 170	13 971	3 928	9 801		
"	4 141	14 213	3 899	10 072		
"	8 590	18 253	4 550	9 663		

F. B. 2499 Pg. 172 | 0300.02 Job No. | Division No. | Notes Red | Plotted | Profile
Survey of Control Line | Date | Date | No.
Survey by PWLB Notes Chk'd | Checked | X-Sec.
Indexed PWLB 1208 | Date 76 | Date | No.

76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.	Datum = M.L.L.W.	Control Line-Stations
		18 253				
N-112 (Tie)	2 528	20 154	0 627	17 626	N-112 Tie (dist. = 3.66) "X" in top Conc.	
T.P.	5 128	19 725	5 557	14 597	Capped wood Seawall - Pg. 232.	
"	8 812	28 320	0 217	19 508		
"	4 403	27 676	5 047	23 273		
"	11 202	35 239	3 639	24 037		
"	6 822	38 131	3 930	31 309		
"	11 650	48 911	0 870	37 261		
	11 791	60 034	0 668	48 243		
"	11 961	71 745	0 250	59 784		
"	6 520	77 765	0 500	71 245		
"	10 622	88 030	0 357	77 408		
"	1 724	86 974	2 780	85 250		
"	3 136	78 342	11 768	75 206		
fd."	1 968	70 148	10 162	68 180		
B.M. 48-83			10938	59 210	fd. B.M. 48-83, Las Flores A-8, 1950, 32?. LACRD BY 5395. F.B. 1369-70. El. = 59.243 (M.L.L.W.). Pacific Cst. Hwy. about 420' E. of Malibu Cyñ Rd. on ℄ of Hwy. @ Hwy sta. 902+21.75.	

Profile No. ____ Notes Rev. ____ Date ____ Plotted ____ Date ____ Job No. 0300.02 Division No. ____ Survey of Control Line
X-Sec. No. ____ Notes Chk'd. ____ Date ____ Checked ____ Date ____ Survey by English Notes Care Date 2-78
Map No. ____ Date ____ Indexed T.M. PALMER Date AUG 3 1978

PWLB 1207 309

F.B. 2499 PG. 173

76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.	Datum = M.L.L.W.	Control Line-Stations
		24 227			Con't. from pg. 170.	
T. P.	5 482	23 708	6 001	18 226		
"	5 380	23 026	6 062	17 646		
"	5 525	23 082	5 469	17 557		
"	5 821	23 174	5 729	17 353		
"	0 328	16 795	6 707	16 467		
N-99	4 406	17 021	4 180	12 615	N-99, 3½" Br. disc. in Conc. S.D.H.W. - Pg. 222.	
N-99 (Tie)	4 902	16 753	5 170	11 851	N-99 Tie (dist. = 20.75) P.M. in top iron rail	
T. P.	6 456	22 920	0 289	16 464	1' below top S.D. pipe - Pg. 222.	
"	5 932	23 693	5 159	17 761		
"	4 827	23 030	5 490	18 203		
"	5 421	21 601	6 850	16 180		
N-100 (Tie)	4 835	22 003	4 433	17 168	N-100 Tie (dist. = 186.15)	C.E. Tag - Ln. Prod. - Pg. 223.
N-100	7 132	24 904	4 231	17 772	N-100, C.E. Tag in curb - Pg. 223	
N-100 (Tie)	7 290	25 663	6 531	18 373	N-100 Tie (dist. = 226.82)	C.E. Tag - Ln. Prod. - Pg. 223.
fd. B.M. 48-75			7 475	18 188	fd. B.M. 48-75, LACRD, BY 5385, F.B. 1369-64.	
				18 204	El. = 18.204 (M.L.L.W.). Br. bolt. Pacific Cst. Hwy. & Carbon Cyn Rd. @ bridge #53-33. Set in ctr. of N. cb. on bridge.	

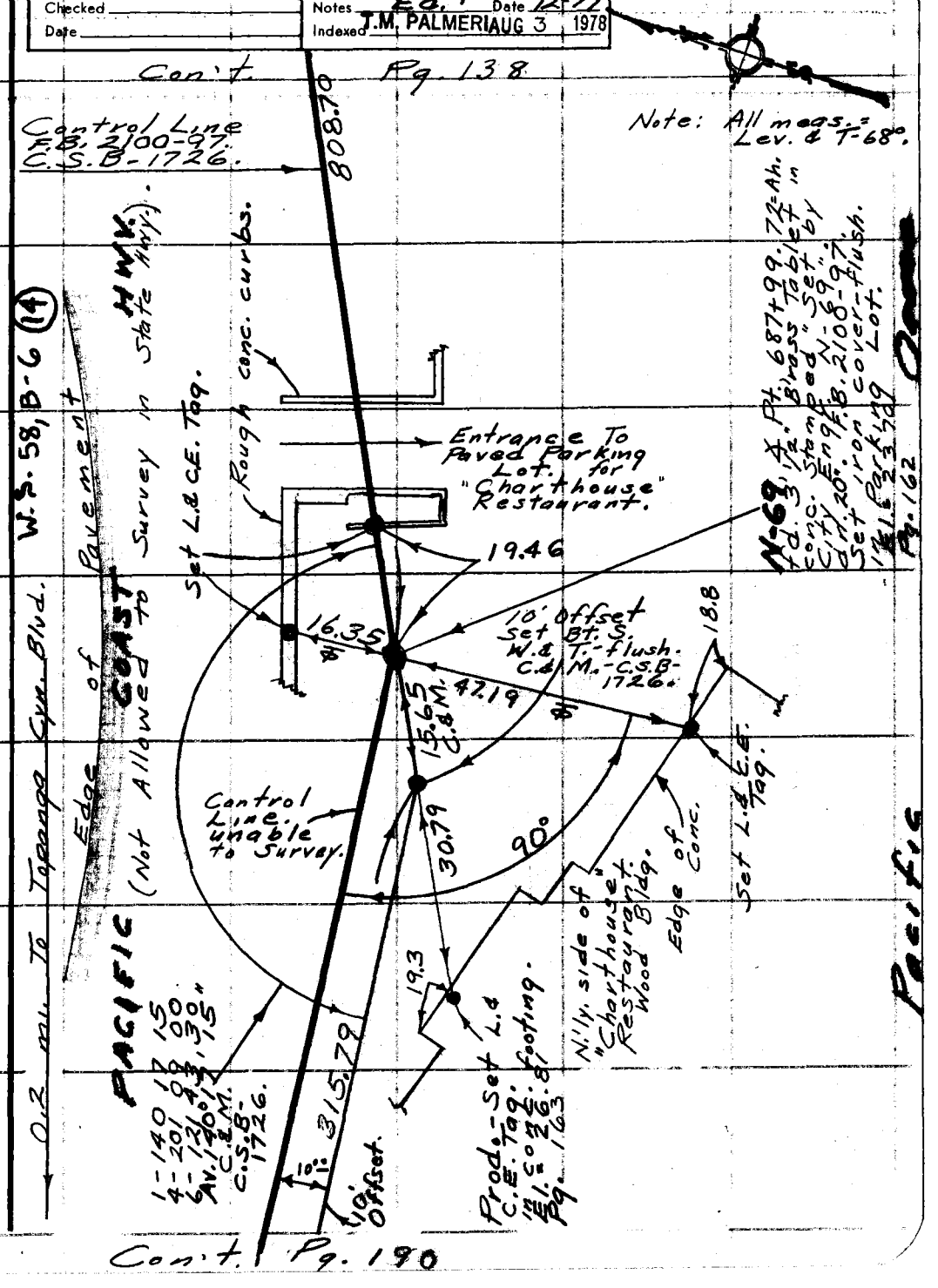
Con't. Pg. 175

F. B. 2499 PG. 174 Job No. 0300.02 Division No. Notes Red Plotted Profile
Survey of Control Line Date Date No.
Survey by English Notes Caro Notes Chk'd. Checked X-Sec.
Indexed Date Date No.

PWFB 1211

37

Notes Ck'd by	Survey of Control Line	F. B. ~~2499~~ Pg. ~~189~~
Map No.	JN 0300.02 Tape 0193 Std 68 °F	N-69.
Office Work	Surveyed by English	
Checked	Notes Ed. Date 12-77	
Date	Indexed T.M. PALMERI AUG 3 1978	



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76F309S CE#310 3-69

F. B. ~~2499~~ PG. ~~190~~

Con't. Pg. 189

Con't. Pg. 195

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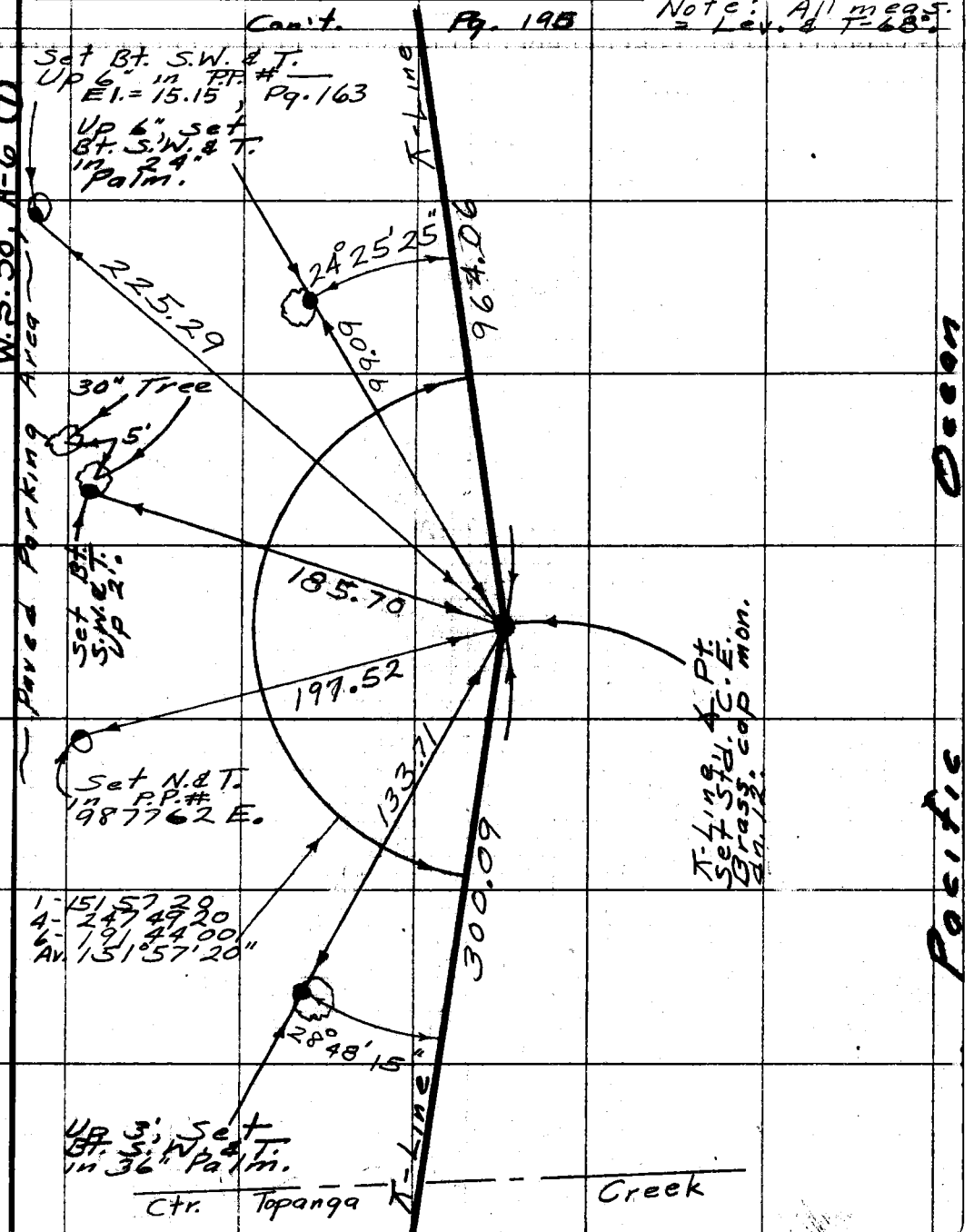
PWFB 1211

39

Notes Ck'd by	Survey of Control Line
Map No.	JN 030002 Page 0188 Std. 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 12-77
Date	Indexed T.M. PALMERI AUG 3 1978

F. B. 2499 PG. 191

Note: All meas. = Lev. & T-68°.



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PWFB 1211

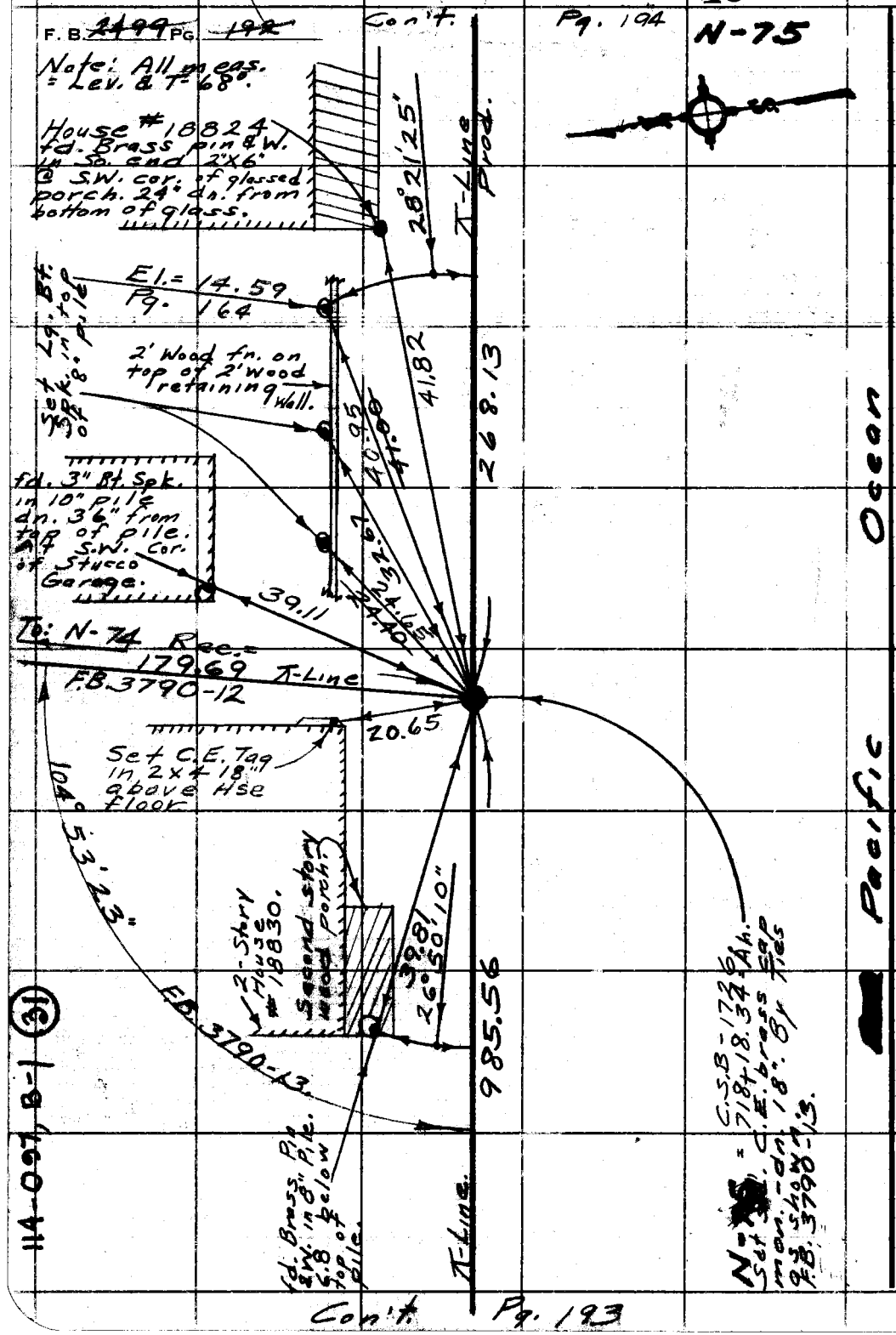
40

F. B. ~~2499~~ PG. ~~192~~

Con't.

Pg. 194

N-75



114-097, B-1 (31)

Con't. Pg. 193

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PWFB 1210

178

Notes Ck'd by	Survey of Control Line
Map. No.	JN [illegible] Sta. 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 12-77
Date	Index T.M. PALMERI AUG 3 1978

F. B. ~~2499~~ PG. ~~193~~

N-76.

Con't. Pg. 192

Note: All meas. Lev. & T-68°.

Set L.& C.E. Tag. 4° below top of conc. retain. wall below 2-Story Stucco House #18936.

34°49'10"

T-Line

985.56

0.3

23.91

127°25'00"

Ocean

Pacific

L-163 10 40
T-292 42 50
C-259 04 30
Av. 163°10'45

8.03

9.14

23.87

PACIFIC COAST HWY.

2-Story House #18942. Top floor = Stucco. Bot. " = Dark Wood. Fd. Brass pin & W. in 8" wd. piling under porch. Pin is 12' below 4" x 8" wd. beam.

Set L.& C.E. Tag. in conc. footing 5.2 below bot. of beam. El. = 8.87 9.164

C.S.B-1726.
N-76 = ∡ Pt.
728+03.86 = Ah.
F.B. 3790-14.
Set Std. C.E. Brass cap mon. dn. 1'. By ties as shown.

427.86

T-Line

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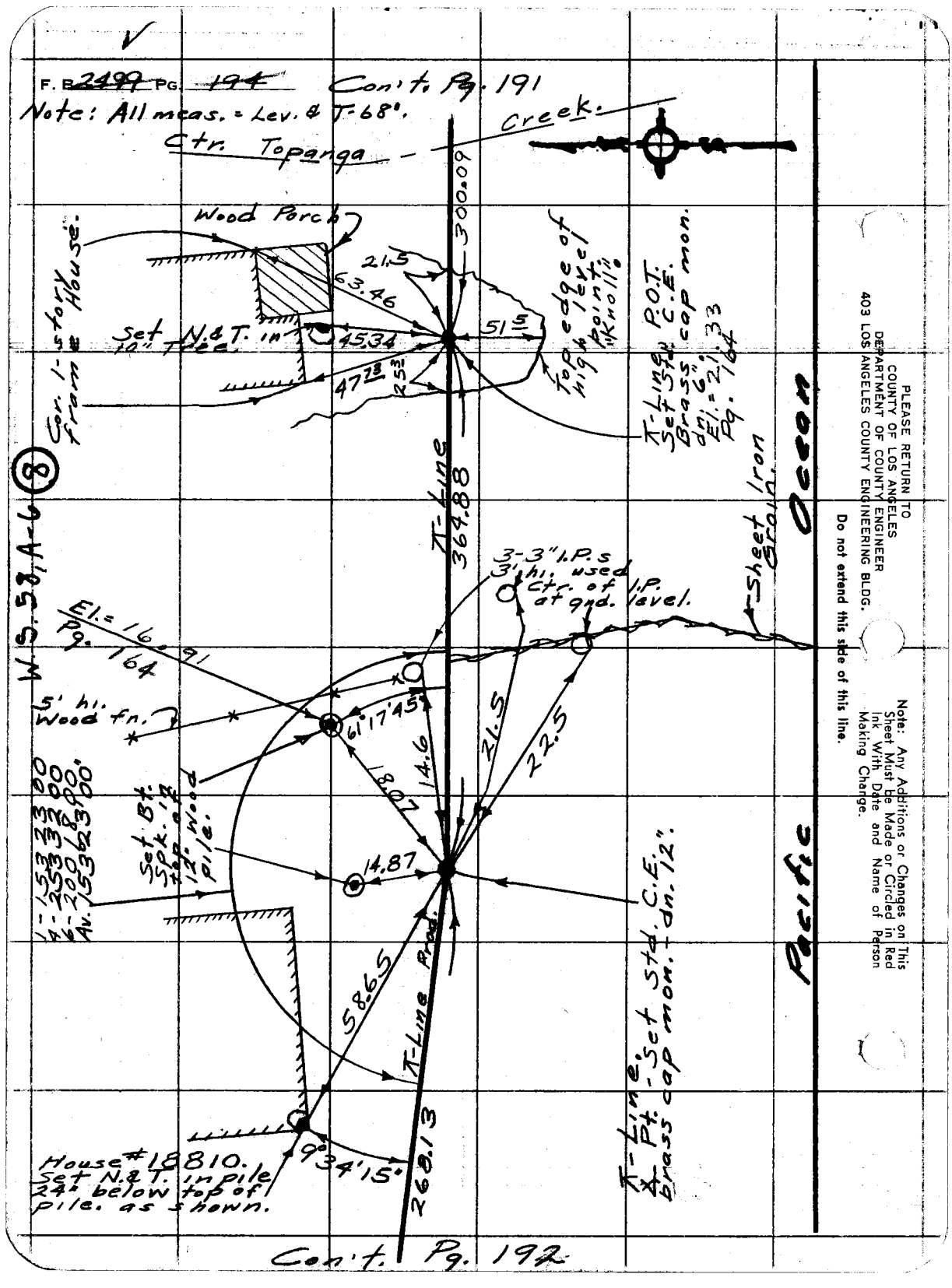
76F309S CE#310 3-69

Con't. Pg. 196

F. B. 2499 PG. 194 Con't to Pg. 191

Note: All meas. = Lev. & T-68°.



W.S. 58, A-6 (8)

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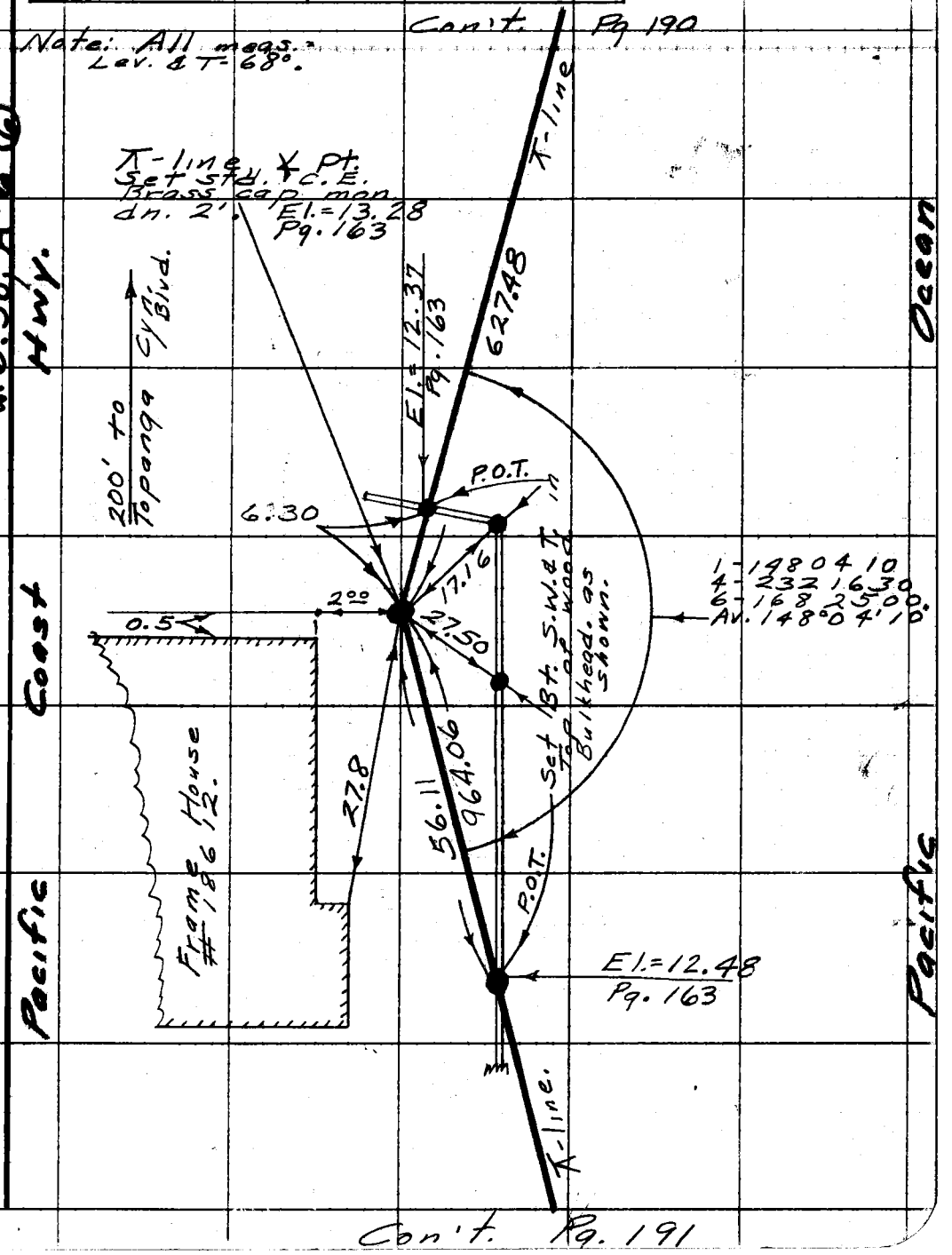
Con't. Pg. 192

PWFB 1211

42

Notes Ck'd by	Survey of Control Line
Map. No.	JN 0300.02 Tape 206 Std 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 1-78
Date	Indexed T.M. PALMERI AUG 3 1978

F. B. ~~2499~~ PG. ~~195~~



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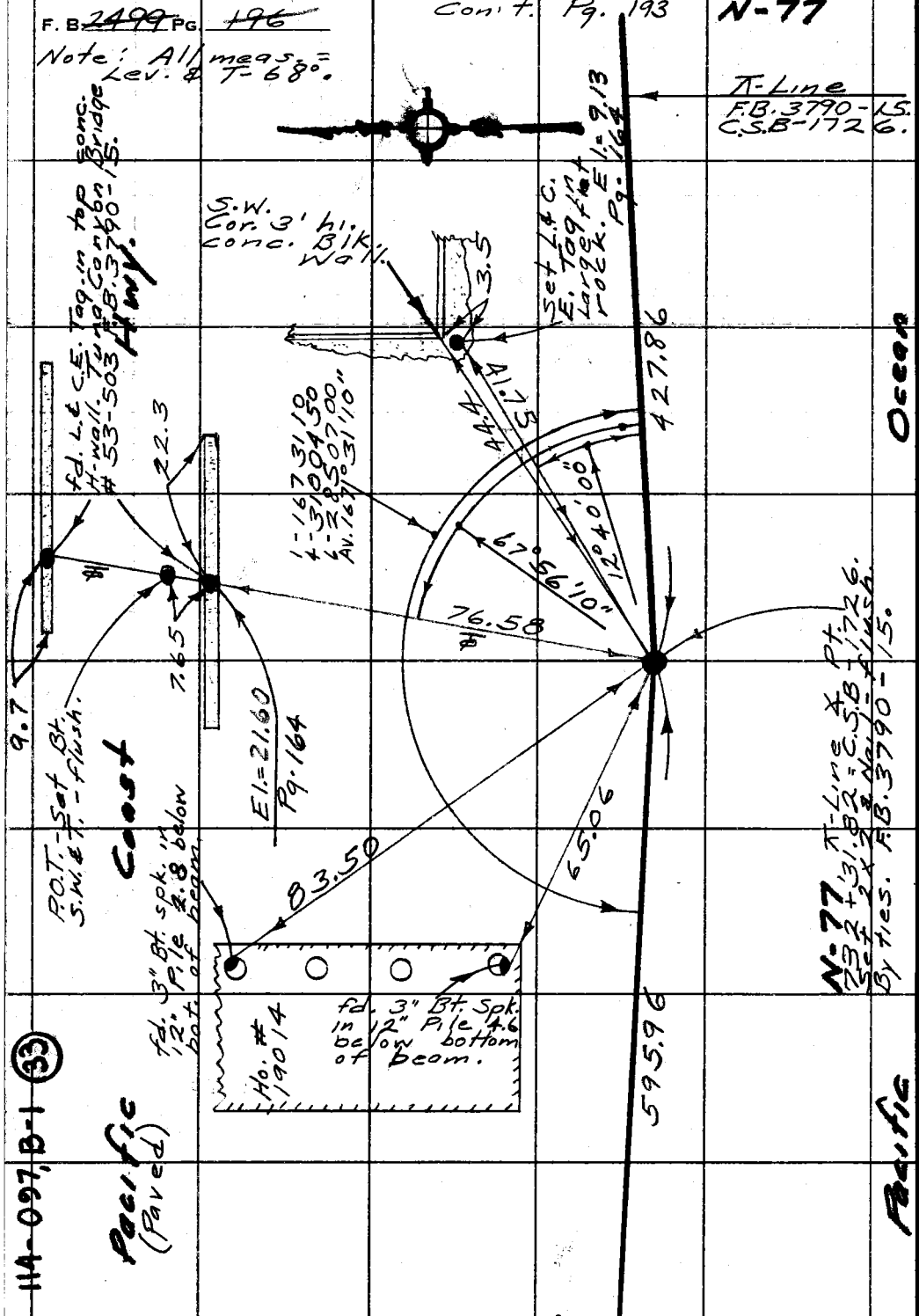
76F309S CE#310 3-69

F. B. ~~2499~~ PG. ~~196~~

Note: All meas. = Lev. & T-68°.

Con't. Pg. 193

N-77



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114-097, B-1 (33)

Con't. Pg. 197

PWFB 1210 180

Notes Ck'd by	Survey of Control Line
Map No.	IN 0300.02 Temp 206 Std. 68 °F
Office Work	Surveyed by English
Checked	Notes E.C. Date 1-78
Date	Indexed T.M. PALMERI AUG 3 1978

F. B. ~~2499~~ PG. 197

N-78

Con't Pg. 196

Note: All meas. = Lev. & T-68°.

T-Line, F.B. 3790-14, C.S.B-1726.

114-097, B-1 (34)

Hwy.

Coast

Pacific

Ocean

Pacific

595.96

fd. brass pin & W. in 12" pile. dn. 2.5 from bot. of beam.

fd. Brass pin & W. in 12" Pile. dn. 3.0 in 12" pile. dn. 3.0 from bot. of beam.

Ho. #19068

33.79

22.77

29.68

Set Bt. Spk. in pile. El.=12.04, Pg. 165

44.59

90.52

55°37'40"

Ho. #19100

fd. Brass pin & W. in 6"x10" pile. dn. 2.2 from bot. of beam

Wood Porch.

27.0

Ho. #19110 fd. brass & W. dn. 6. from bot. of beam.

3'x6' Rock.

Set L.& C.E. Tag in top of large Rock.

31.51

N-78 - A Pt. 238+22.82, C.S.B-1726. Set 2x2 & N.-f145h. By Ties. F.B. 3790-16.

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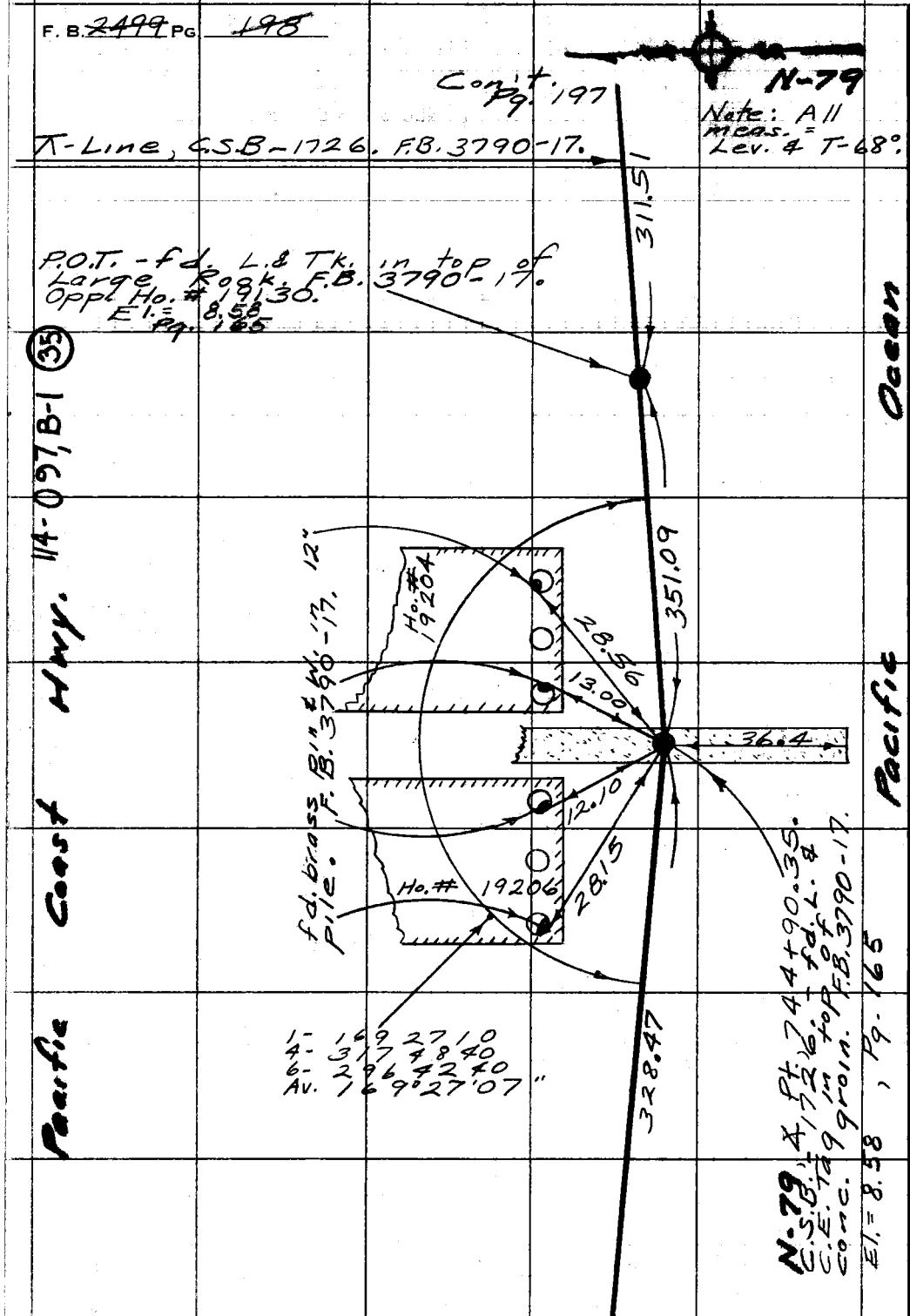
76F309S CE#310 3-69

Con't Pg. 198

F. B. ~~2499~~ PG. ~~198~~



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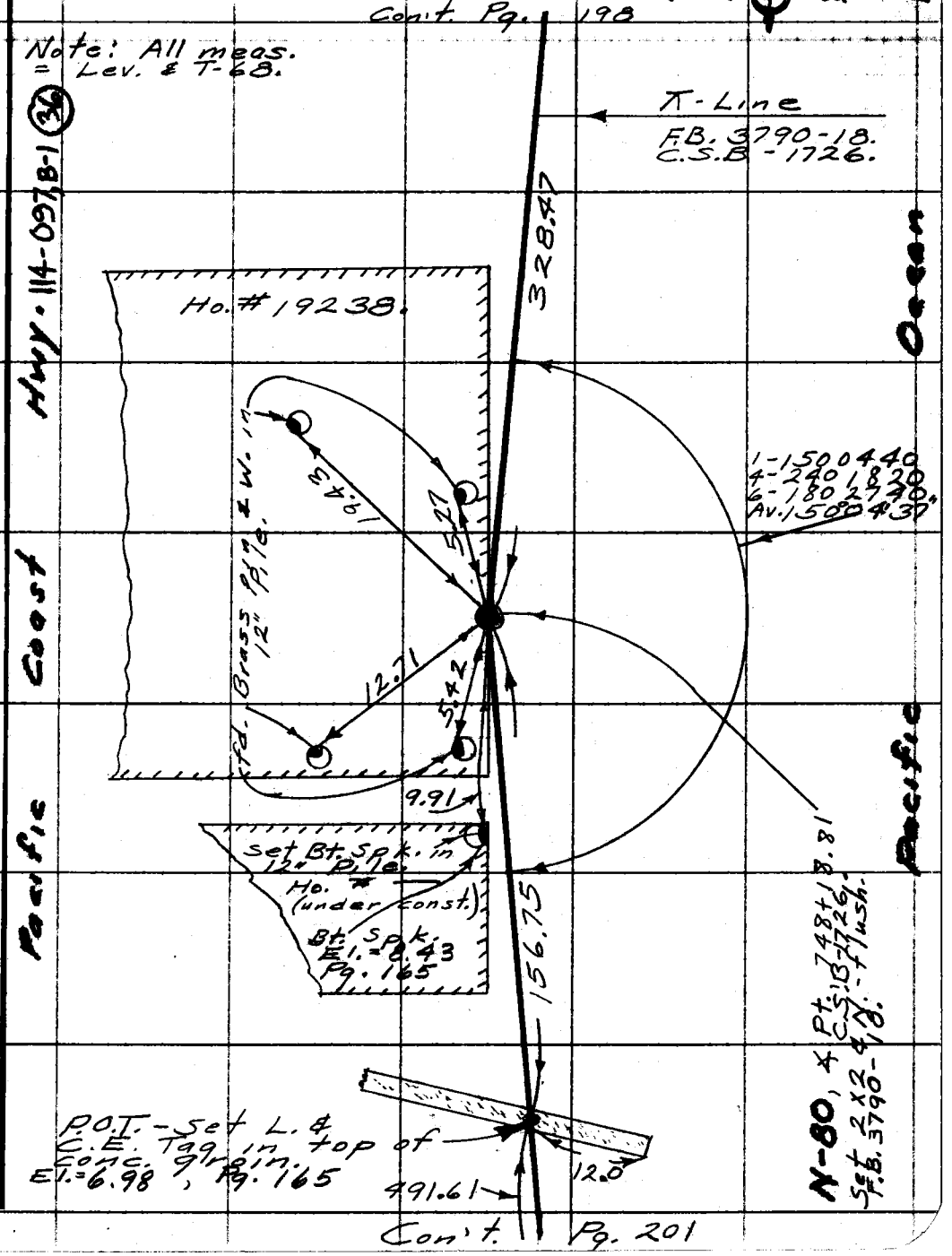
Con't. Pg. 199

PWFB 1210

182

Notes Ck'd by	Survey of Control Line	F. B. 2499 PG. 199
Map No.	JN 0300.02 Page 206 Std 68 °F	N-80
Office Work	Surveyed by English	
Checked	Notes Ed. Date 1-78	
Date	Indexed T.M. PALMERI AUG 3 1978	



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76F309S CE#310 3-69

PWFB 1210 183

F. B. ~~2499~~ PG ~~200~~

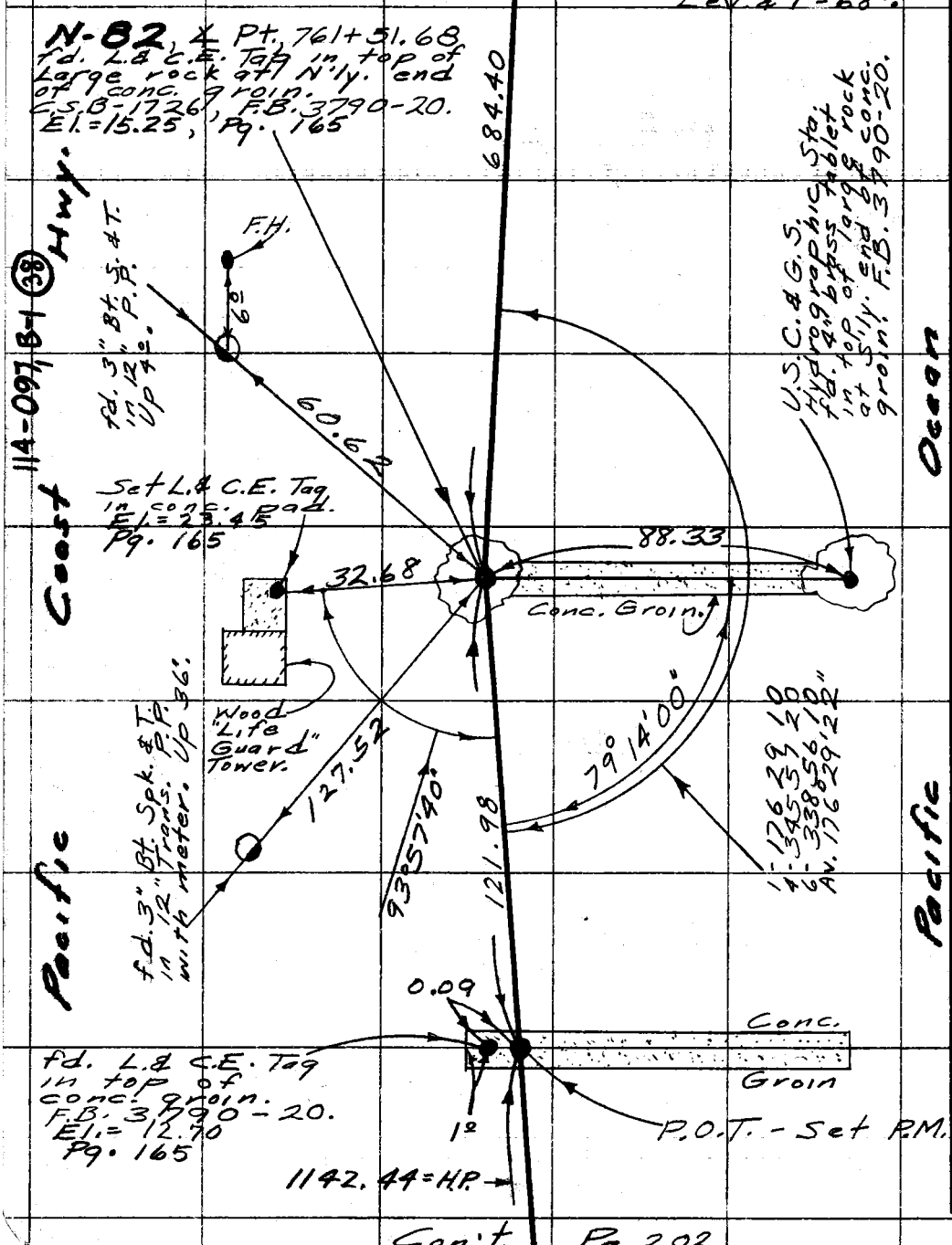
Con't. Pg. 201

N-82

⊼-Line

F.B. 3790-20, C.S.B-1726.

Note: All meas. = Lev. & T-68°.



Con't. Pg. 202

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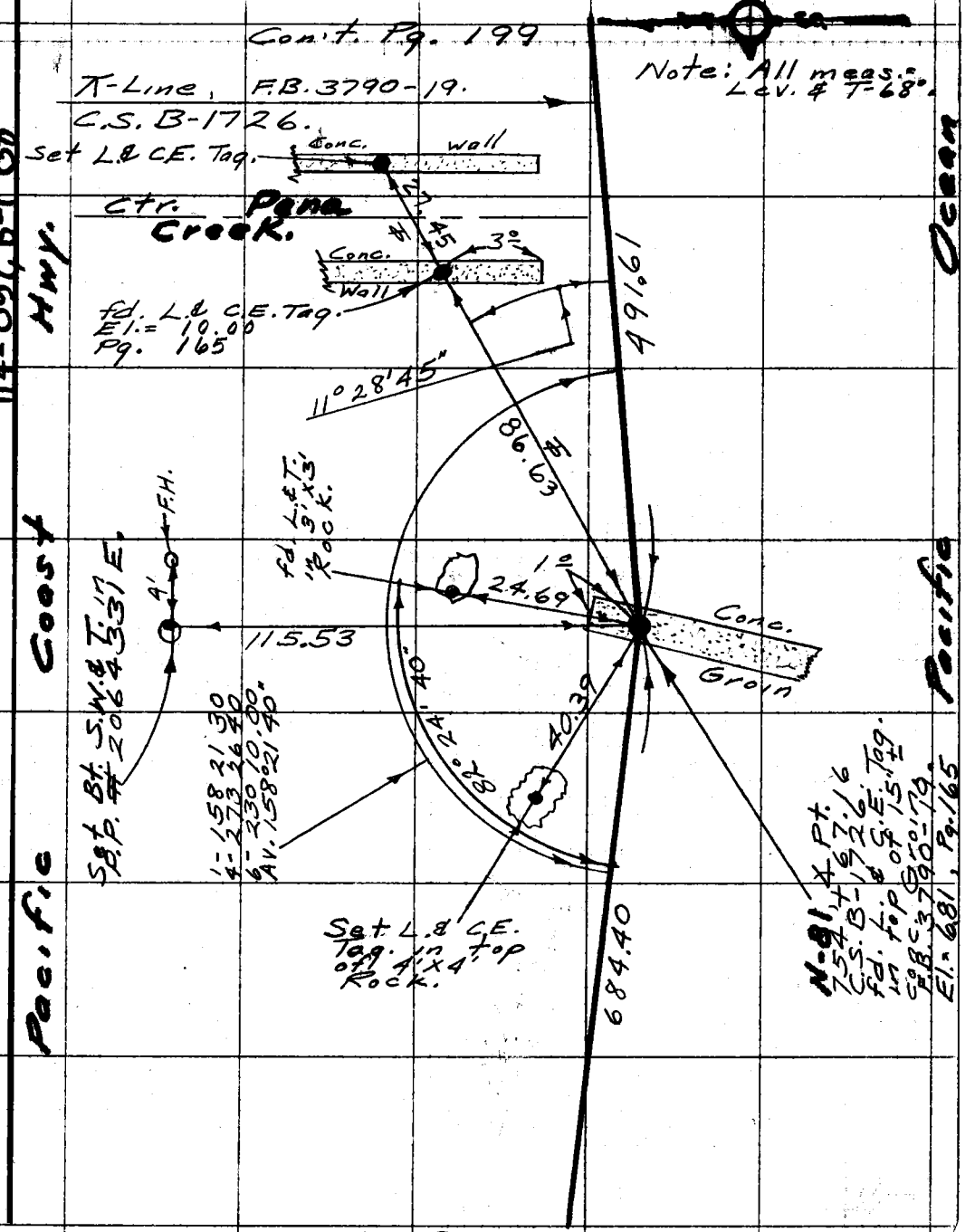
PWFB 1210

184

Notes Ck'd by	Survey of Control Line	F. B. 2499 Pg. 201
Map No.	IN 0300.02 Tape 206 Std. 68 °F	
Office Work	Surveyed by English	N-81
Checked	Notes Ed. Date 1-78	
Date	Indexed T.M. PALMERI AUG 3 1978	



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76F309S CE#310 3-69

Con't. Pg. 200

PWFB 1210 185

F. B. 2499 Pg 202

Note: All meas. = Lev. & T-68°.

Con't. Pg. 200

N-83

Λ-Line, C.S.B.-1726.

F.B. 3790-21.

fd. 3" Bt. S.& T. Up 12" in P.P. # 1045788E

114.82

1142.44 = H.P.

Hwy.

Ocean

Pacific

Coast

114-097, A-1 (56)

1-160 55 50
4-283 43 40
6-245 35 20
Av. 160 55 53"

steep slope

fd. L.& tk. in conc. footing.

18.29

5' Blk. Wall.

16.43

16.21

11.31

fd. 3" Bt. S.& T. in top of 12" pile.

Brick Patio.

Wood Steps.

Rock & Conc. Bulkhead Wall.

fd. 3" Bt. S.& T. in 15" Pile. Ho # 19620.

Wood Deck.

10.21

526.51 = H.P.

N-83 ∡ Pt. 774+15.95 C.S.B.-1726. Set 1x2 & N.-flush in steep bank-Bl. tips as shown. F.B. 3790-21.

Set Sm. Bt. S.& T. in top of 12" Wood Pile. El. = 27.00 Pg. 166

P.O.T.-fd. Brass Pin & W. in top of 3"x12" Board. El. = 23.76. Pg. 166

P.O.T.-Set L. & C.E. Tag in rock & conc. Groin. in back of Ho. # 19722.

El. = 11.35 Pg. 166

521.92 = H.P.

Con't. Pg. 203

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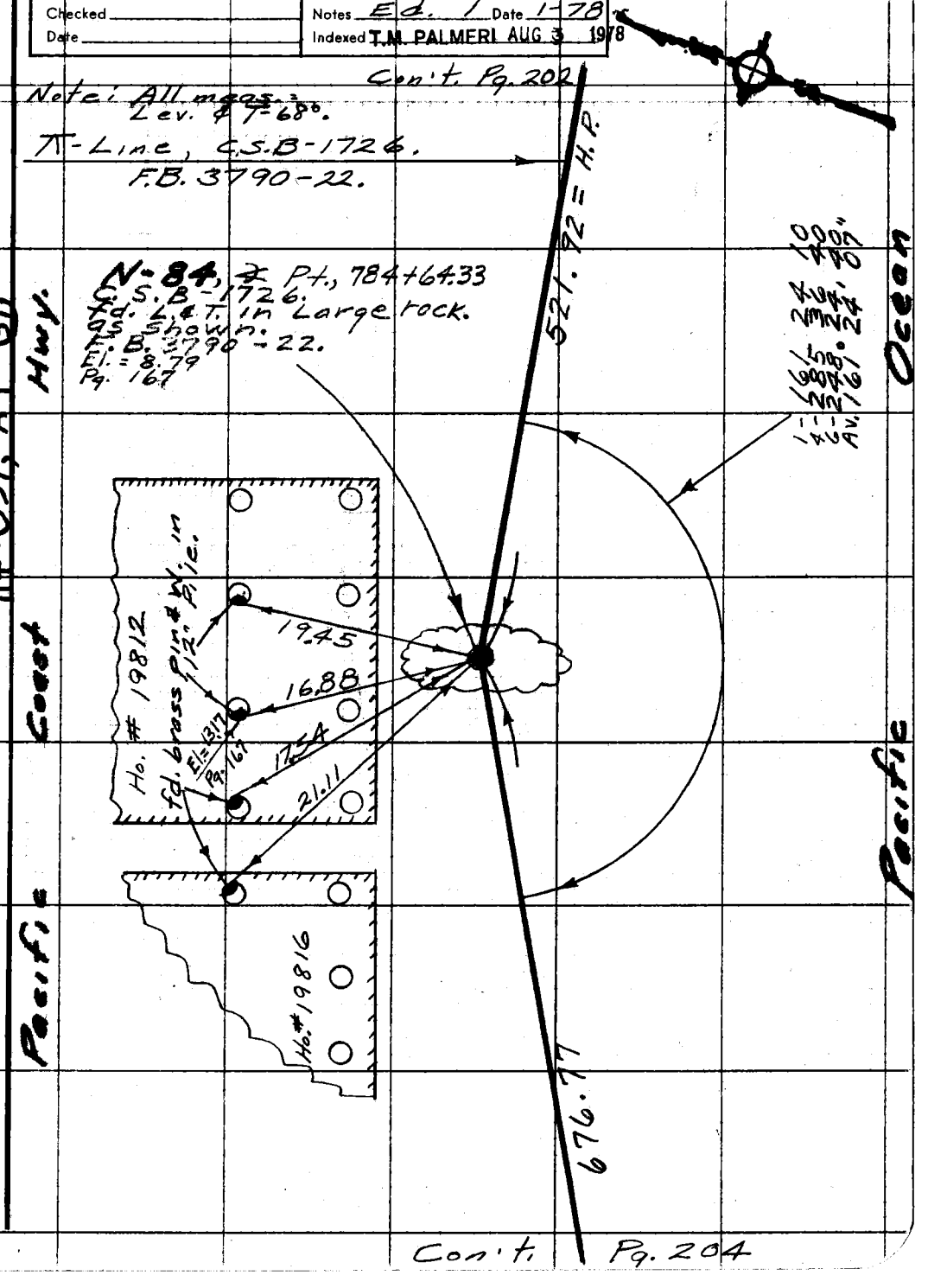
PWFB 1210

186

Notes Ck'd by	Survey of Control Line
Map No.	JN 0300.02 Tape 306 Std. 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 1-78
Date	Indexed T.M. PALMERI AUG 3 1978

F. B. ~~2499~~ PG. ~~203~~

N-84



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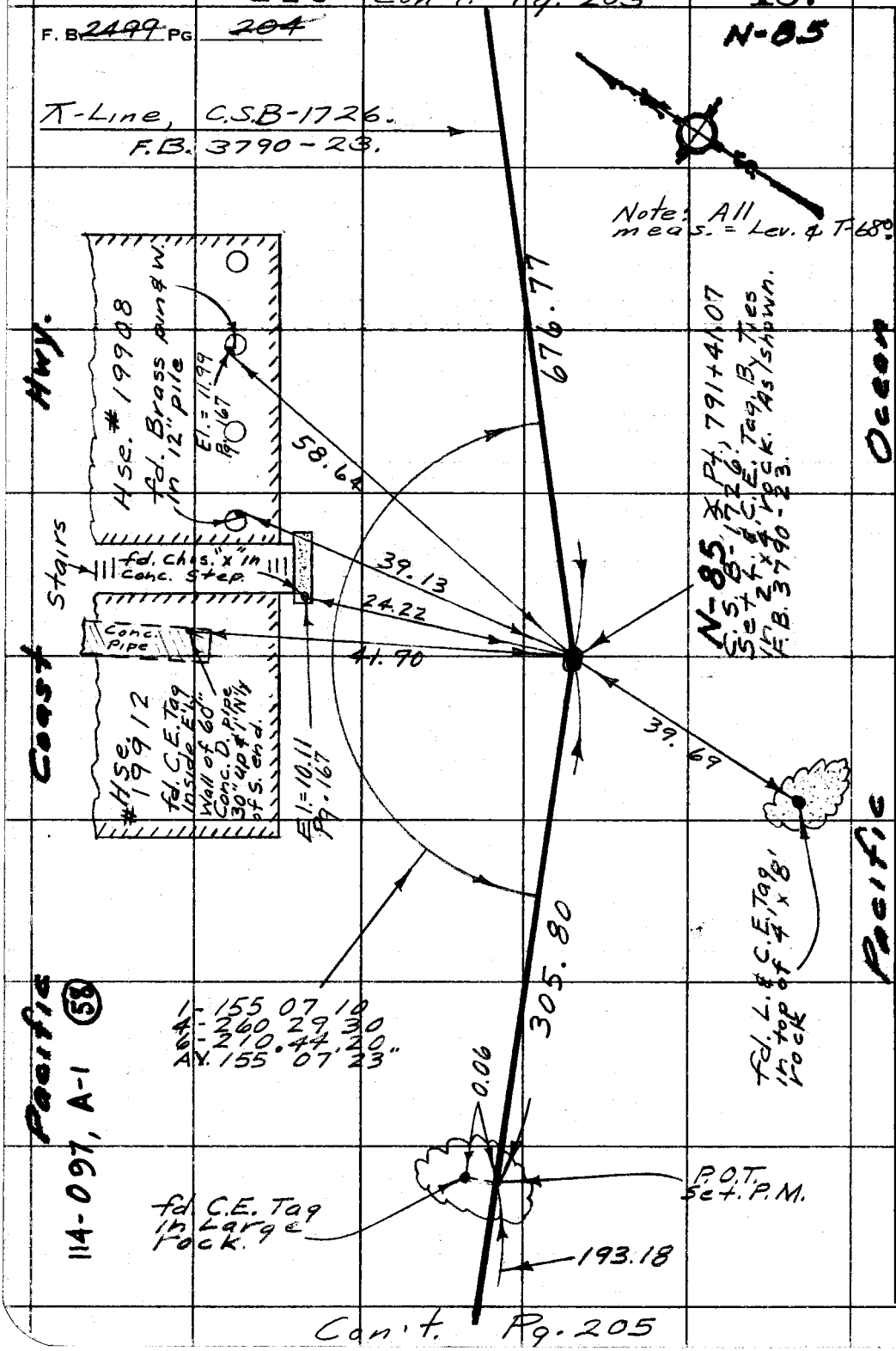
76F309S CE#310 3-69

Con't. Pg. 204

PWFB 1210 Con't. Pg. 203 187

F. B. ~~2499~~ PG ~~204~~



114-097, A-1 (58)

Con't. Pg. 205

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PWFB 1210 188

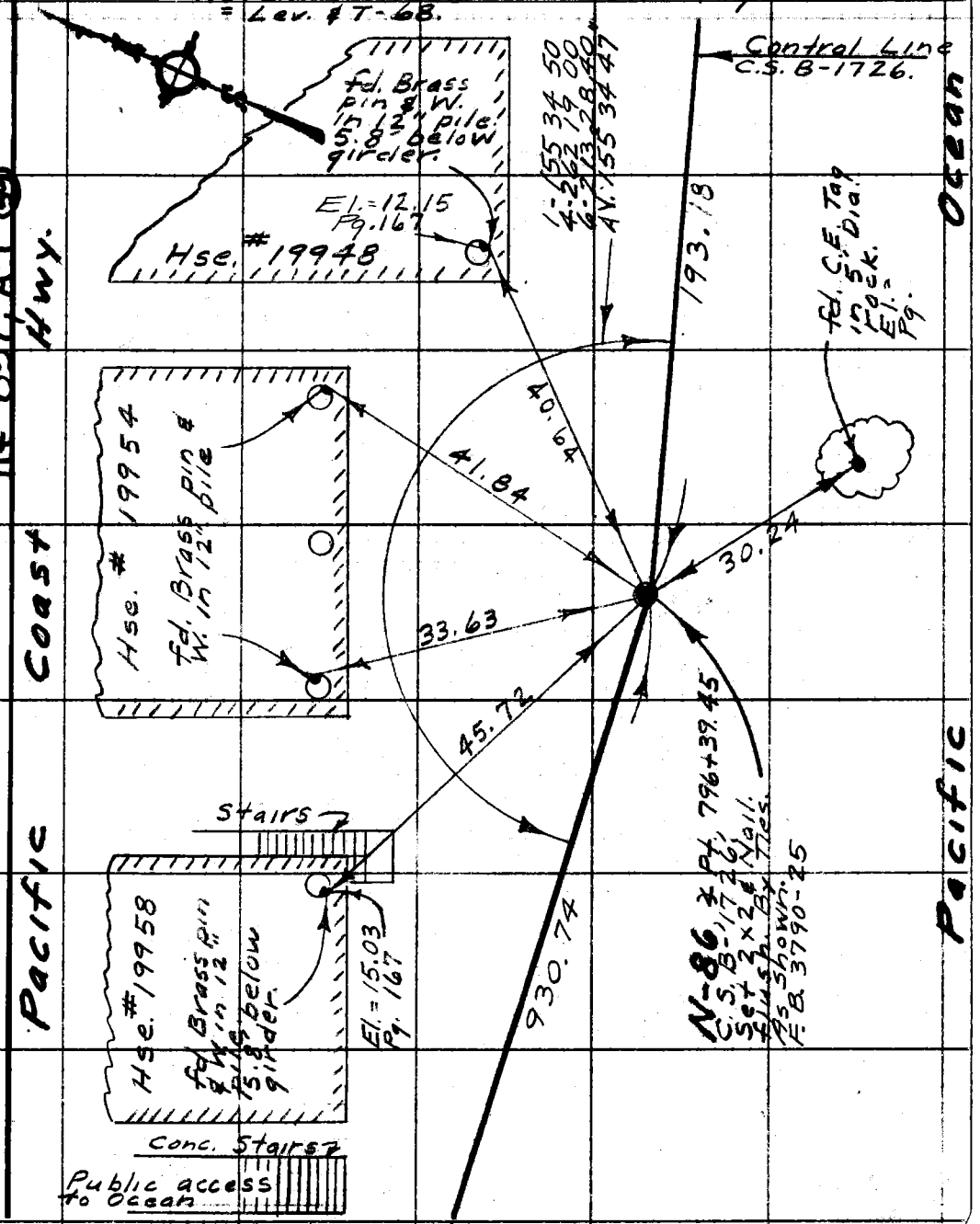
Notes Ck'd by	Survey of Control Line
Map. No.	JN 0300.02 Tape Std 68 °F
Office Work	Surveyed by Caro
Checked	Notes Caro Date 2-78
Date	Indexed T.M. PALMERI AUG 3 1978

F. B. ~~2499~~ Pg. ~~205~~

N-86

Note: All meas. = Lev. & T-68.

Cont. Pg. 204



Con't. Pg. 206

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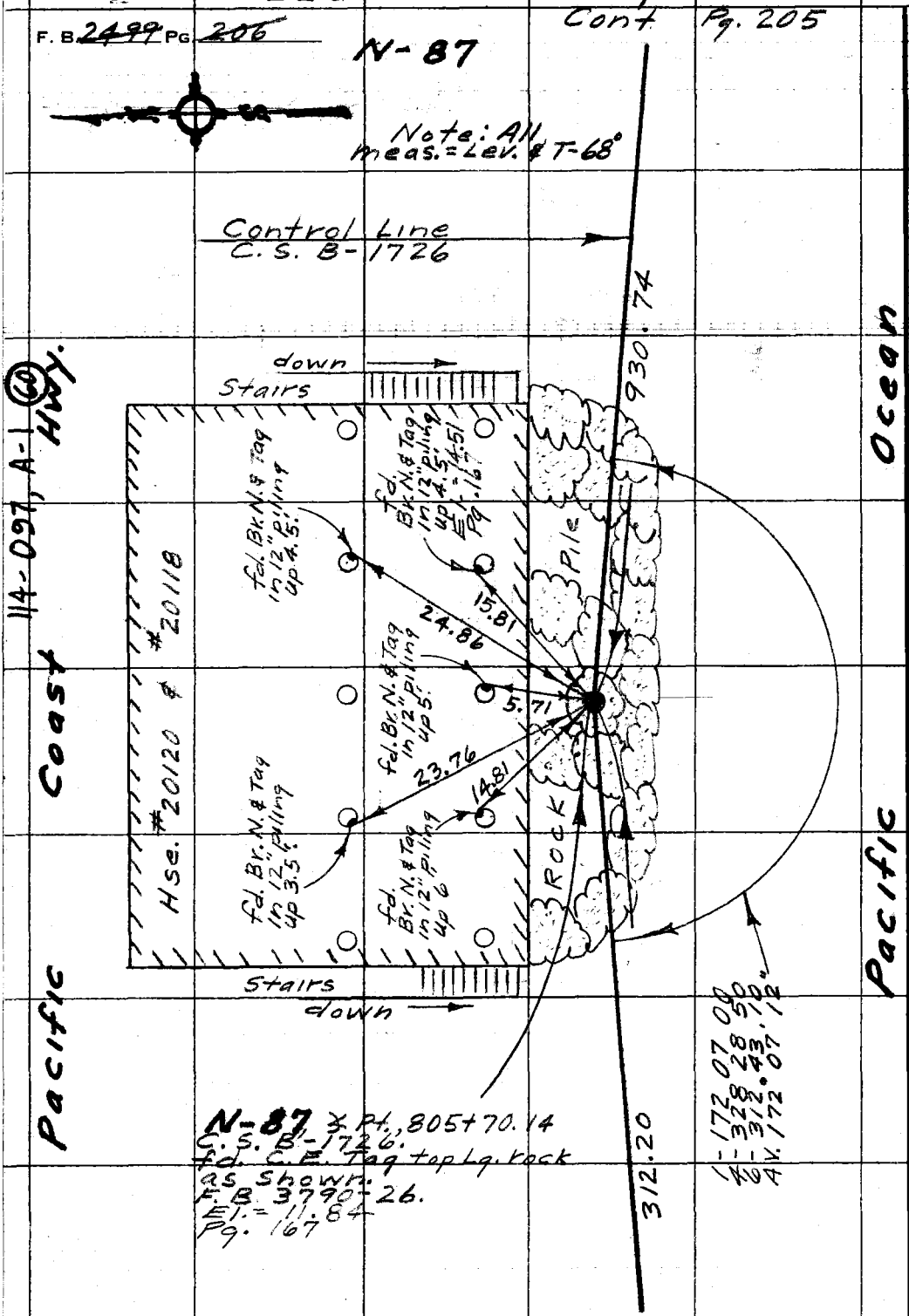
76F309S CE#310 3-69

F. B. ~~2499~~ PG. ~~206~~

Con't Pg. 205



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Con't. Pg. 207

PWFB 1210

190

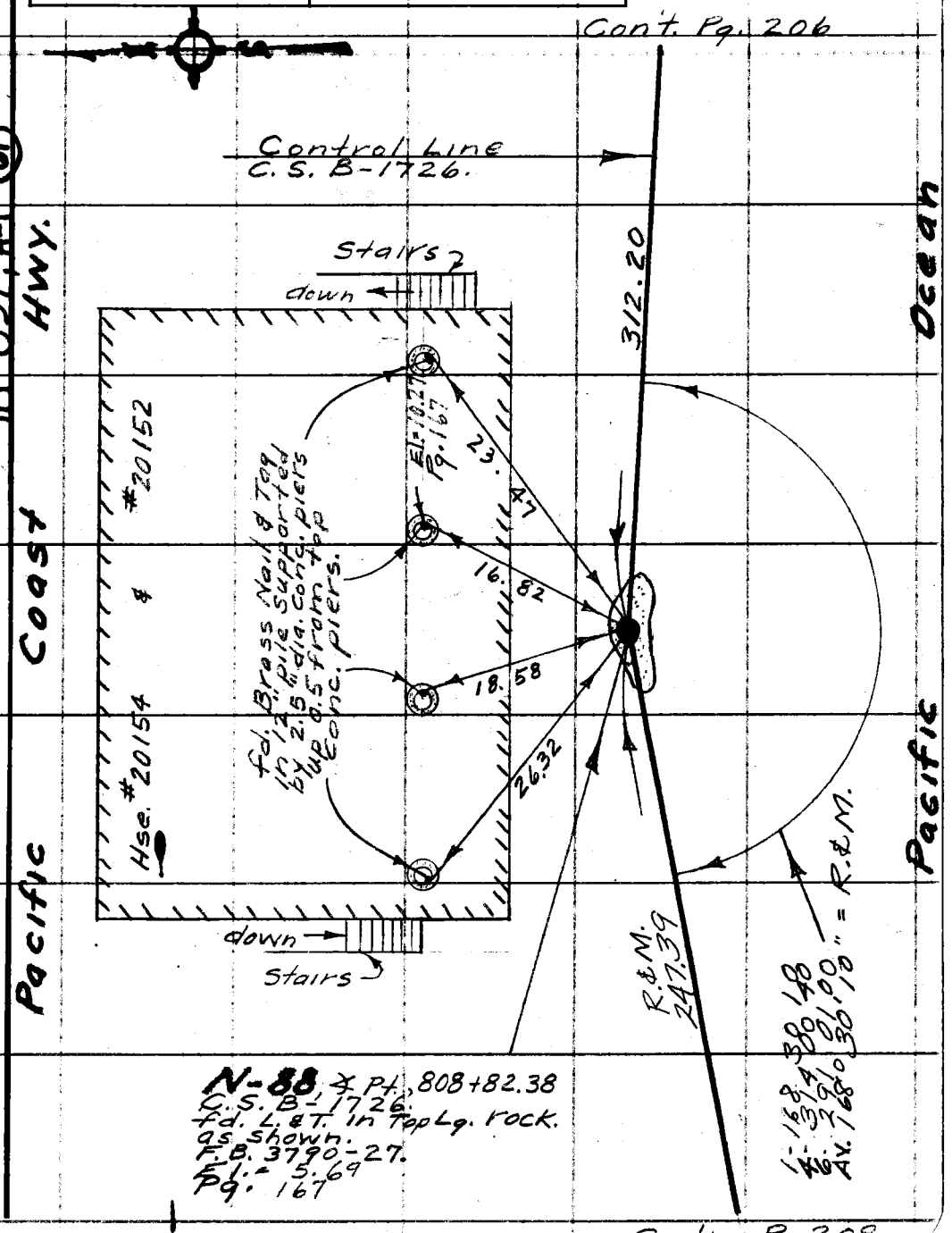
Notes Ck'd by	Survey of Control Line
Map No.	JN 0300.02 Tape 206 Std. 68 °F
Office Work	Surveyed by Caro
Checked	Notes T.M. PALMERI Date 2-78
Date	Indexed T.M. PALMERI AUG 3 1978

F. B. 2499 PG. 207

N-88

Note: All meas. Lev. & T-68°

Con't. Pg. 206



N-88 ≠ Pt. 808+82.38
C.S. B-1726.
Fd. L.&T. in top Lg. rock.
as shown.
F.B. 3790-27.
El.= 5.69
Pg. 167

Con't. Pg. 208

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

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76F309S CE#310 3-69

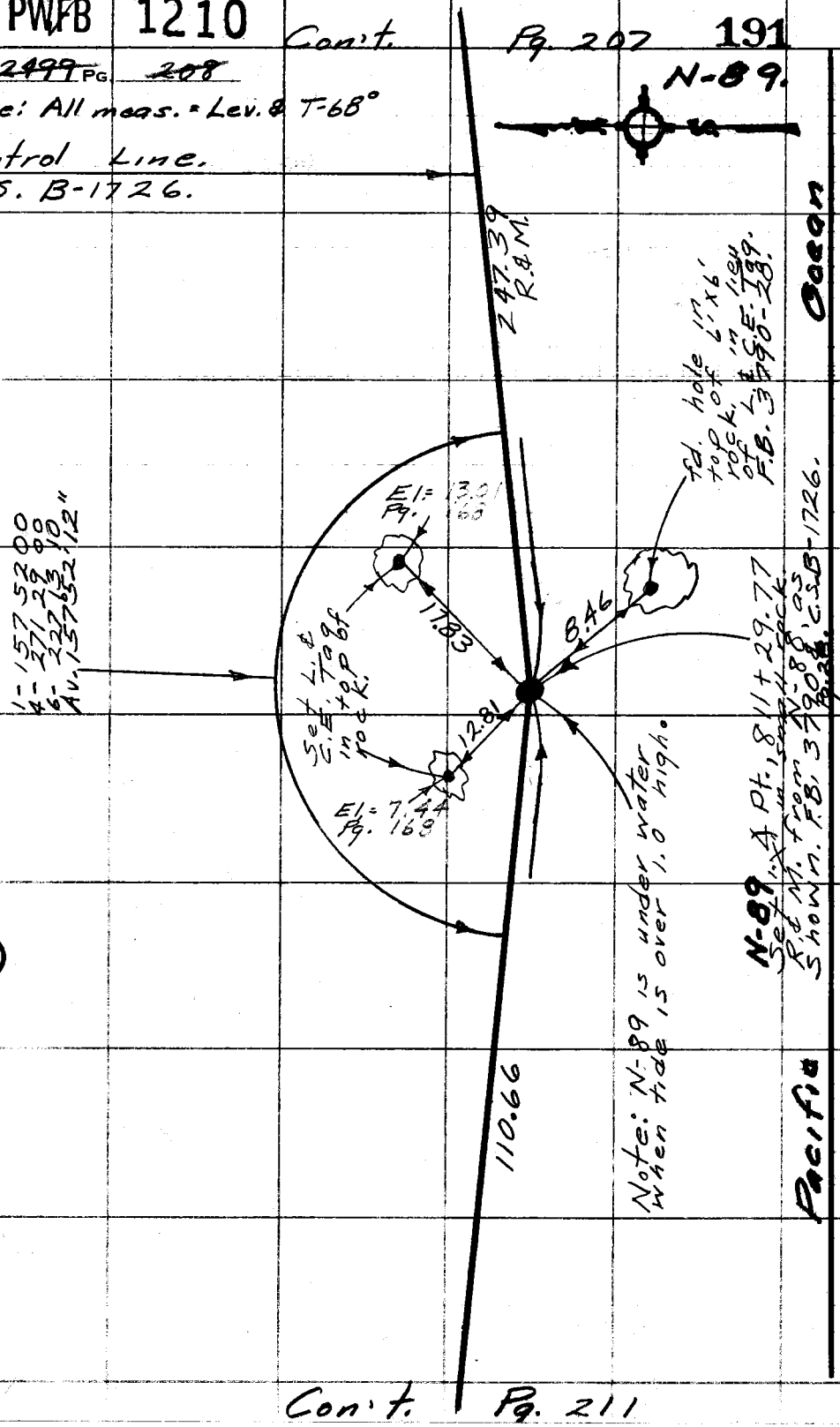
PWFB 1210 Con't. Pg. 207 191

F. B. ~~2499~~ PG. ~~208~~

Note: All meas. = Lev. & T-68°

Control Line.

C.S. B-1726.

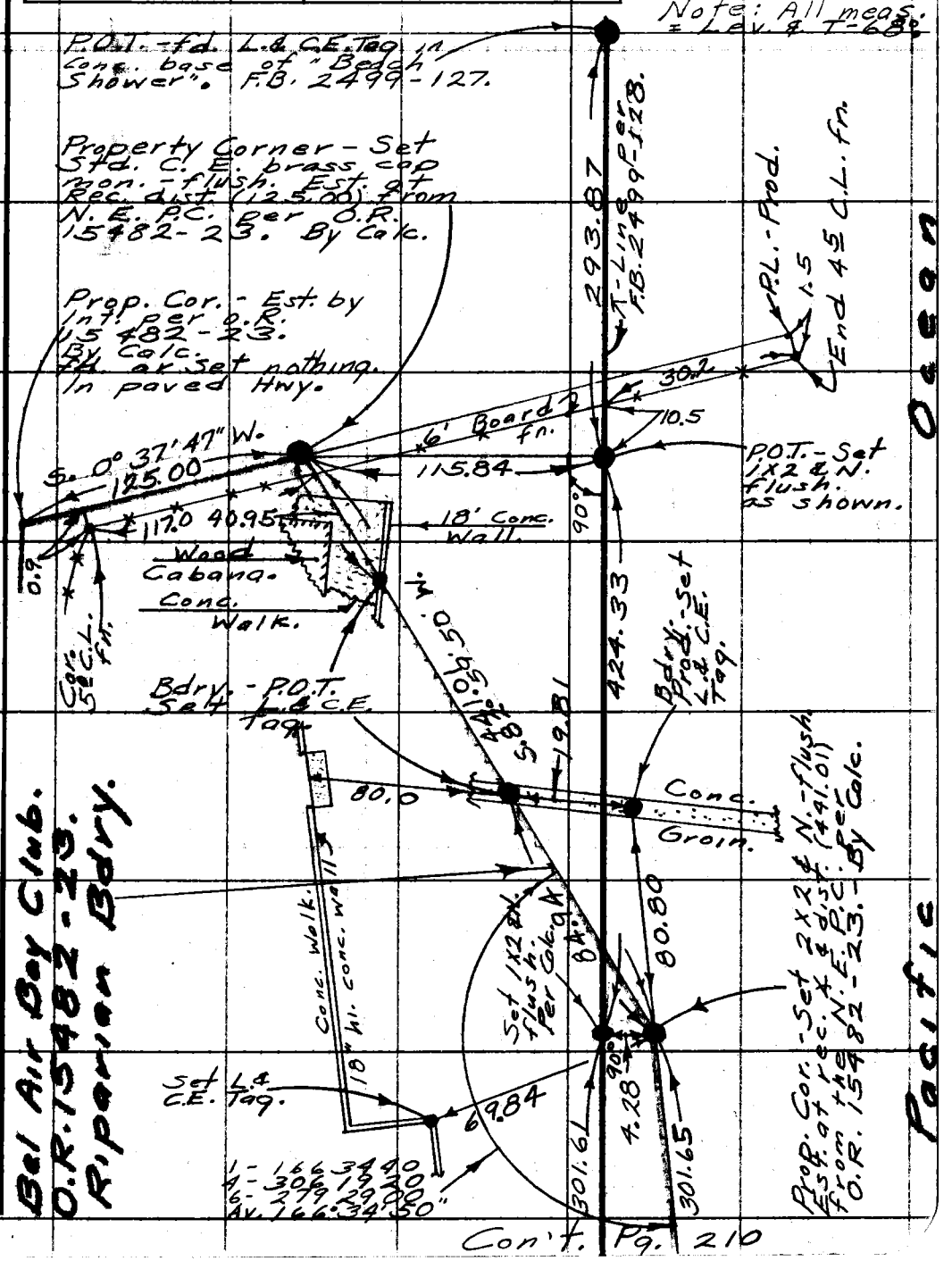


Con't. Pg. 211

PWFB 1212

39

Notes Ck'd by T. ABE	Survey of Bel Air Bay Club	F. B. ~~2499~~ Pg. ~~209~~
Map No.	JN 0756.33 Tape 206 Std. 68 °F	
Office Work	Surveyed by English	AUG 3 1978
Checked	Notes Ed. Date 3-78	
Date	Indexed PALMERI APR AUG 3	



Con't. Pg. 210

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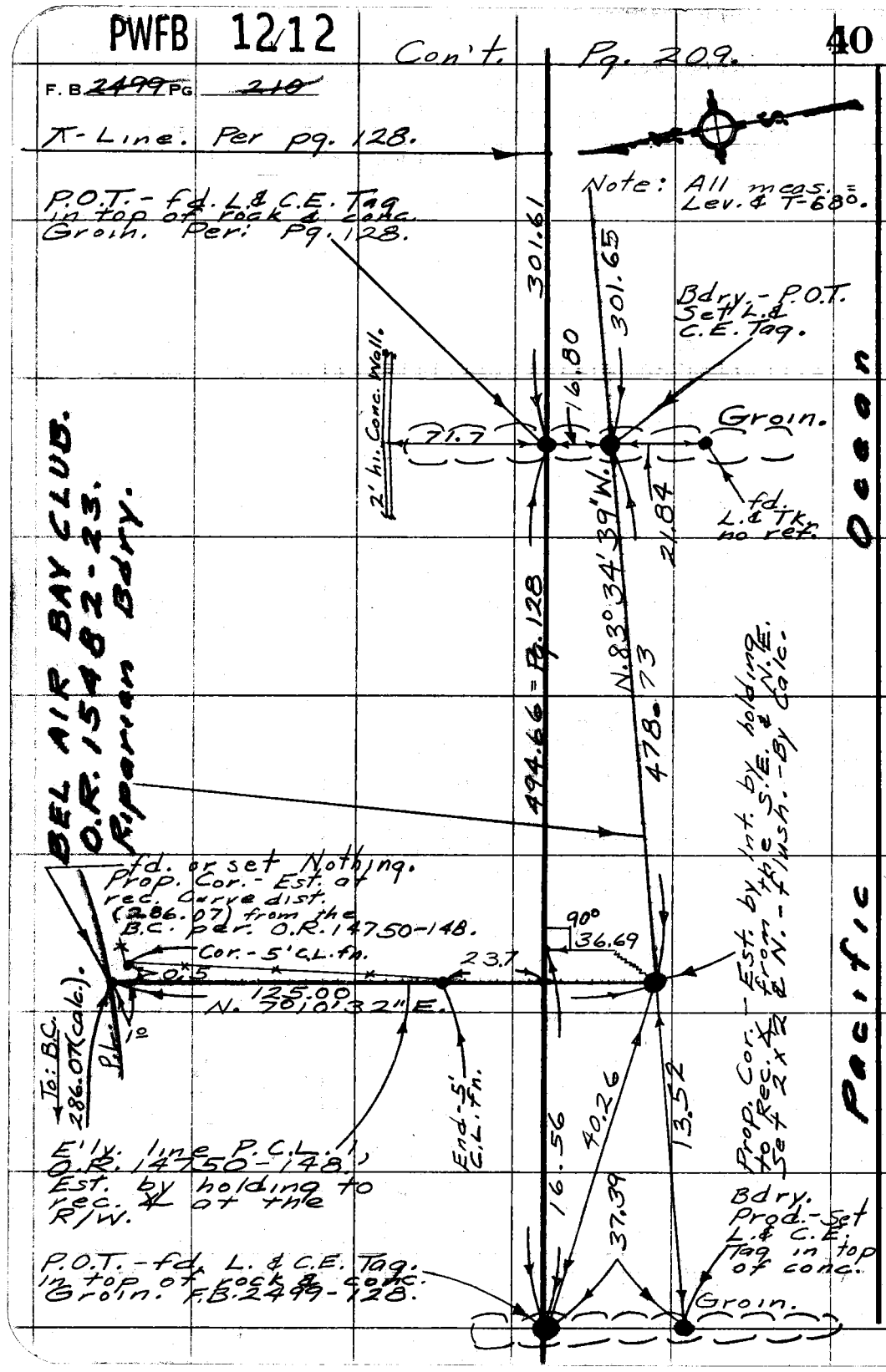
76F309S CE#310 3-69

PWFB 12/12 Con't. Pg. 209. 40

F. B ~~2499~~ PG ~~210~~



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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.

PWFB 1210

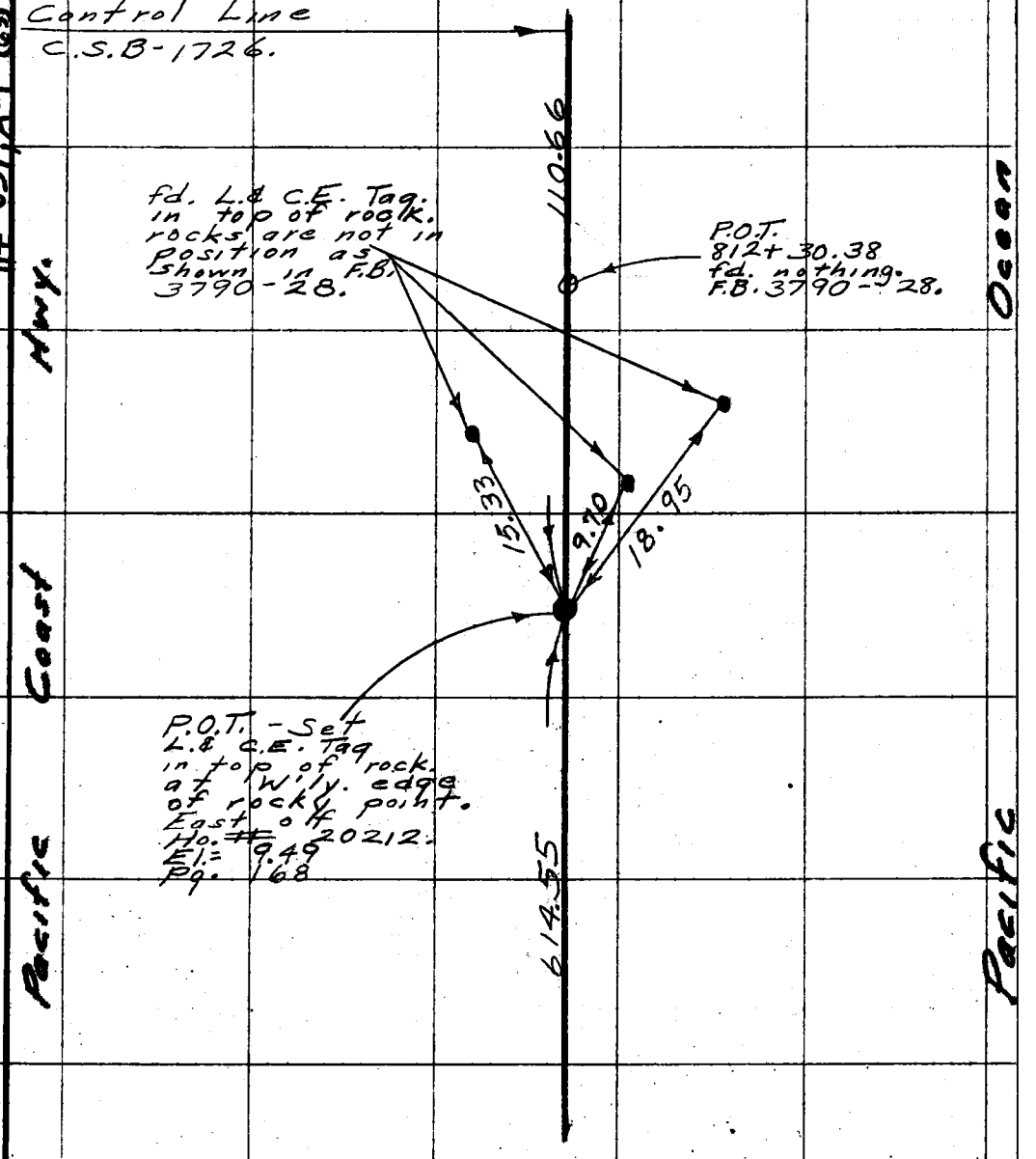
192

Notes Ck'd by	Survey of Control Line
Map No.	JN 030003 Page 293 Std. 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. / Date 4-78
Date	Indexed J.M. PALMERI AUG 3 1978

F. B: ~~2499~~ PG. 24

Note: All meas. = Lev. & T-68°

Con't. Pg. 208



Con't. Pg. 212

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

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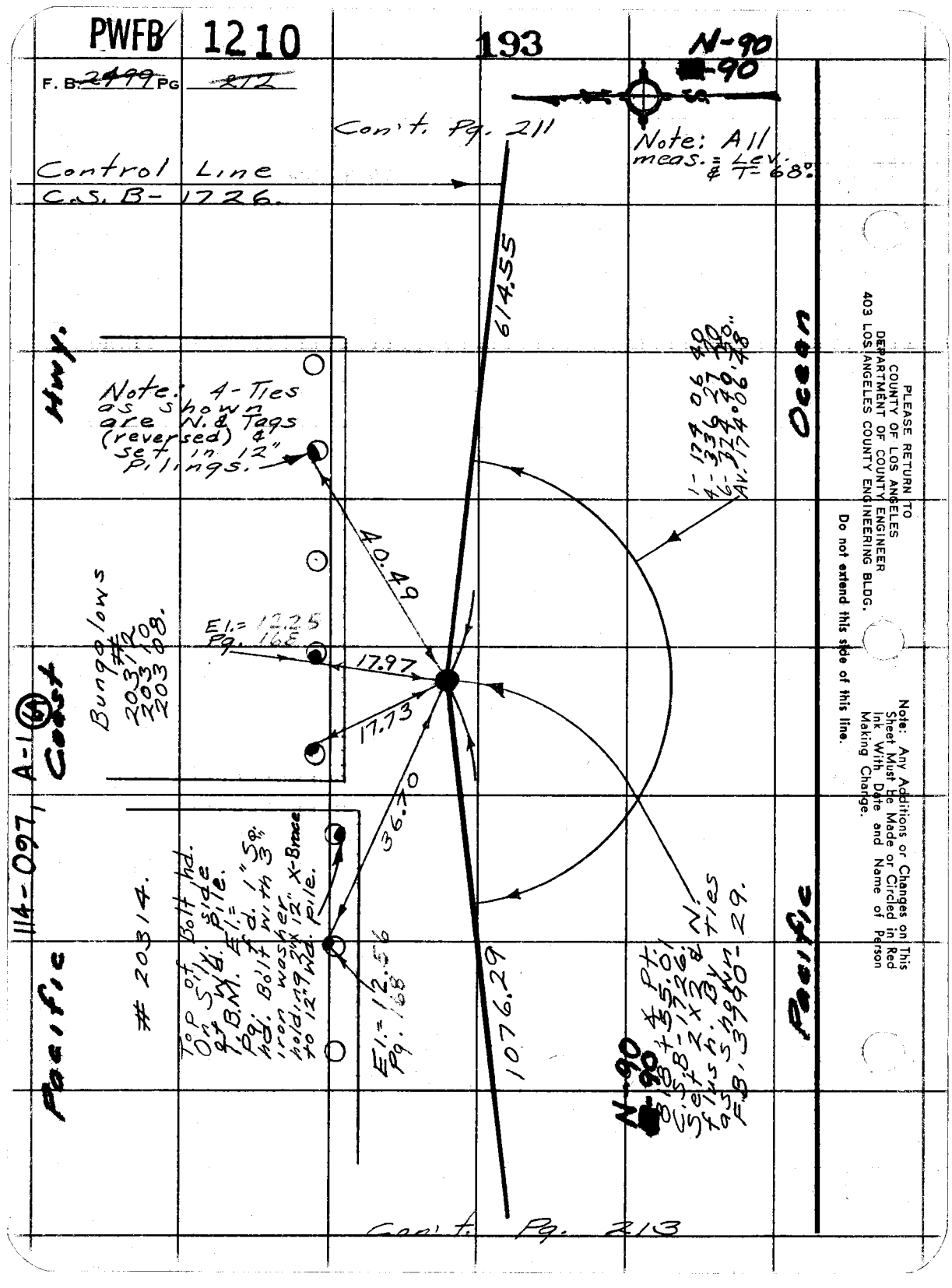
76F309S CE#910 3-69


PWFB 1210
193
N-90
F. B. 2499 PG 212
Con't. Pg. 211
Note: All meas. = Lev. & T-68°.
Control Line
C.S. B-1726.
614.55
Hwy.
Note: 4-Ties as shown are N. & Tags (reversed) & set in 12" Pilings.
1-174 06 40
4-336 27 20
6-374 40 30
Av. 174°06'48"
Ocean
40.49
Bungalows
#20312
20310
20308.
El.= 12.25
Pg. 168
17.97
17.73
Coast
114-097, A-1
36.70
20314.
Top of Bolt hd. On Silv. side of B.M. El.= Pg. 168 fd. 1" So. Bolt with 3" iron washer holding 2"x12" X-Brace to 12" Wd. pile.
El.= 12.56
Pg. 168
1076.29
N. Ties
N-90
Pacific
Pacific
Con't. Pg. 213
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PWFB 1209 598

Notes Ck'd by	Survey of Control Line
Map. No.	JN 030002 Tape 203 Std 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 4-78
Date	Index T.M. PALMERI AUG 3 1978

F. B. ~~2499~~ PG. ~~213~~

Note: All meas. = Lev. & T = 68°.

Con't. Pg. 212

Control Line
C.S.B-1726.

1076.29

Rough conc. & rock. pad.

2' Wide conc. Seawall.

9.3

Ho. # 20456

P.O.T. - Set L.& C.E. Tag in S.W. Y. side of 2' X 3' rock. El. = 8.29 Pg. 168

8.5

Wood steps.

Ho. # 20460
20462

237.56

83.95

Wood Steps.

Ho. # 20464
20466

P.O.T. 829+91.85 fd. Nothing Set Nothing on sm. rock. F.B. 3790-30.

24.55

4" Wide Wood Seawall.

Wood Steps.

fd. 3" Bt. Spk. in top 3" X 12" post. El = 13.40 Pg. 168

12'

P.O.T. - Set So. hd. S.&T. in top of 2" X 12" wood plank seawall.

469.99

Con't. Pg. 214

Pacific Coast Hwy.

Pacific Ocean

114-097, A-1 (65) & (66)

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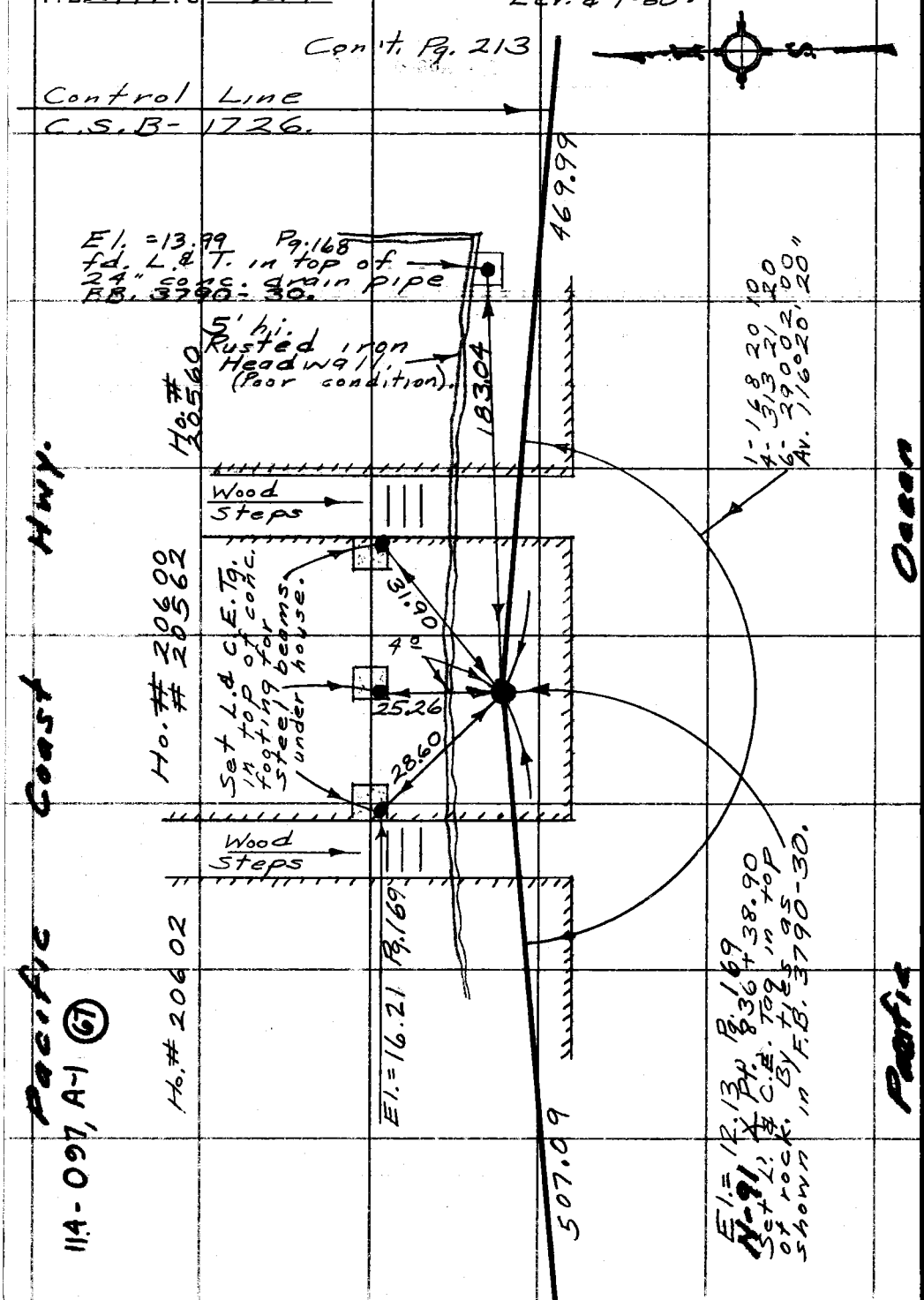
76F309S CE#310 3-69

PWFB 1209 599 N-91

F. B. ~~2499~~ PG ~~214~~

Note: All meas. = Lev. & T-68°.



114-097, A-1 (67)

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Con't. Pg. 215

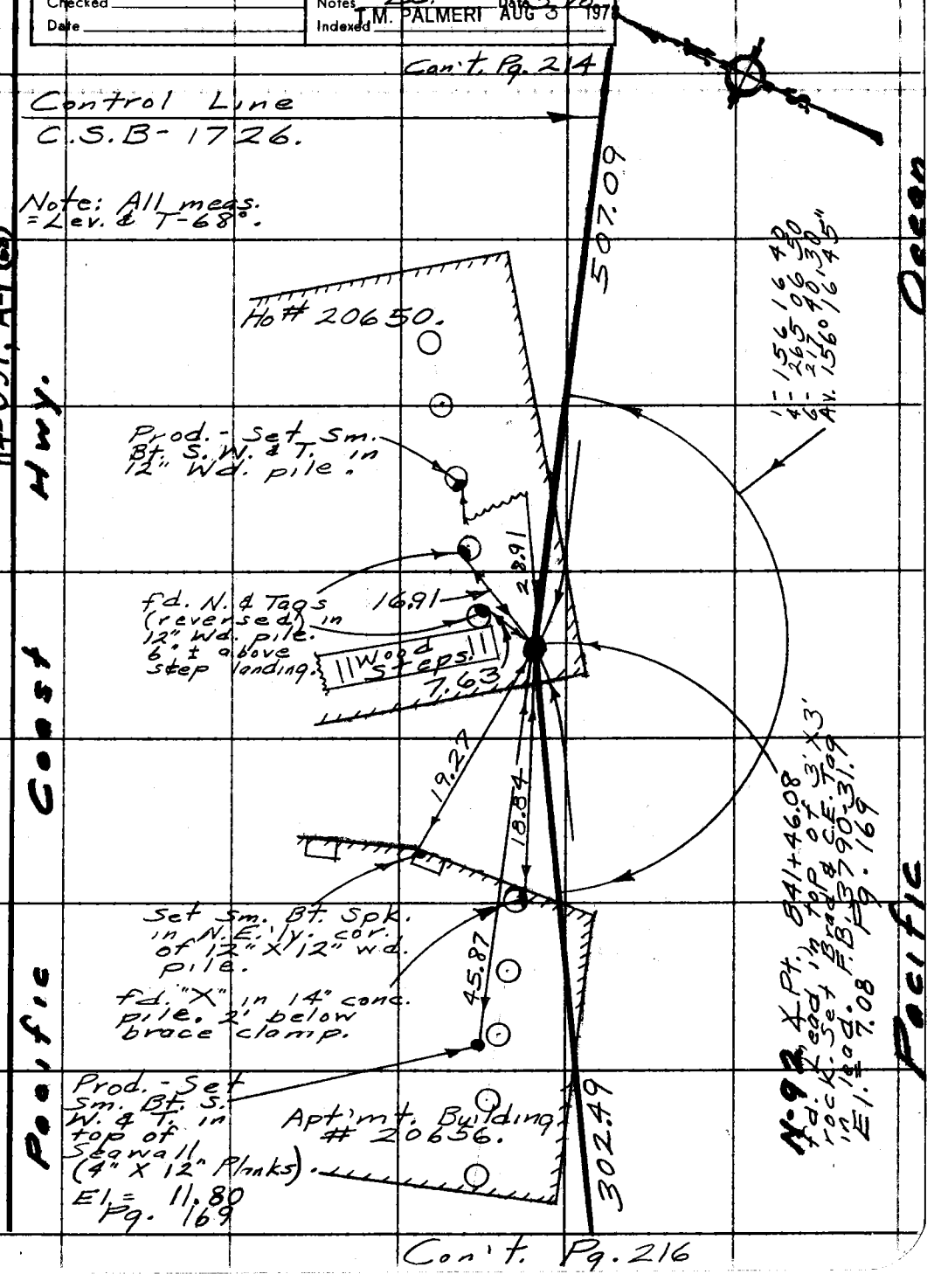
PWFB 1209

600

Notes Ck'd by	Survey of Control Line
Map No.	JN 0300.02 Tape 203 Std. °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 5-78
Date	Indexed T.M. PALMERI AUG 3 1978

F. B. ~~2499~~ PG. ~~215~~

N-92



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114-097, A-1 (63)

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76F309S CE#310 3-69

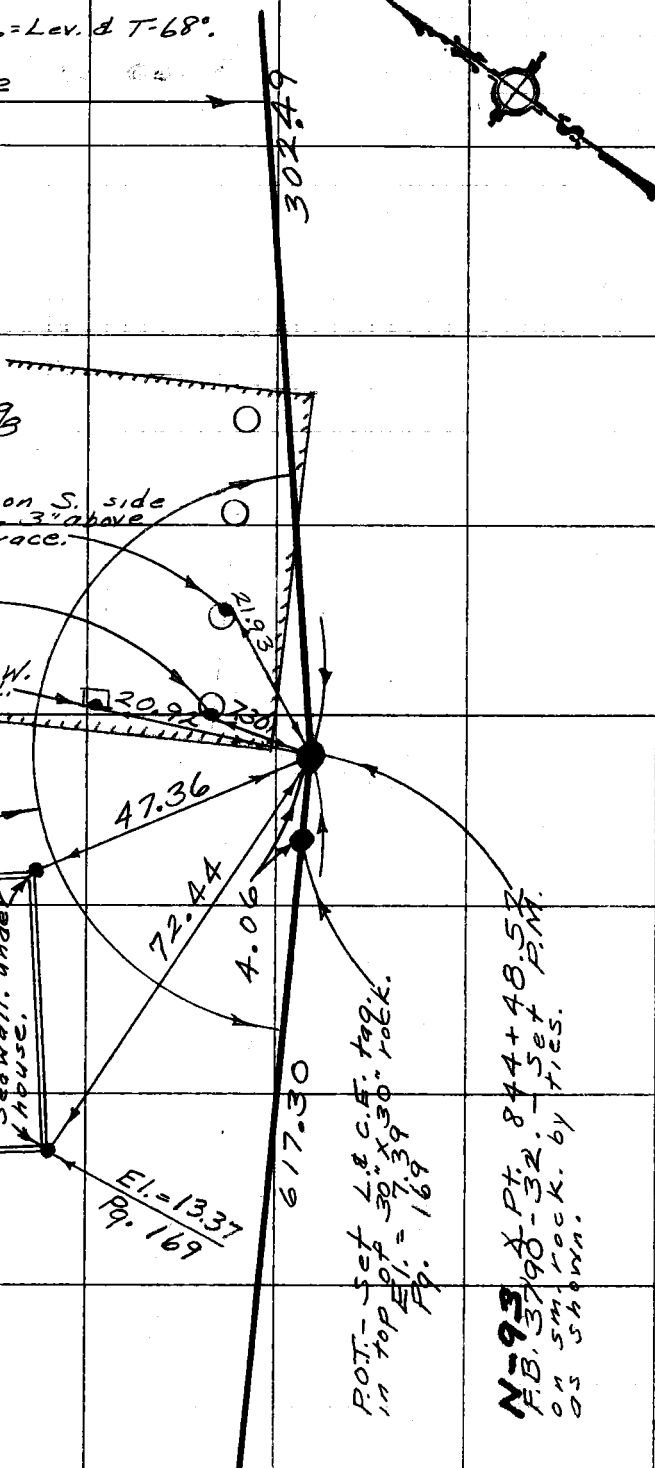
PWFB 1209 601 N-93

F. B. ~~2499~~ PG ~~216~~

Con't. Pg. 215

Note: All meas. = Lev. & T-68°.

Control Line
C.S.B-1726.



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Pacific Coast Hwy.

114-097 A-1 (69)

Con't. Pg. 217

PWFB 1209

602

Notes Ck'd by	Survey of Control Line
Map. No.	JN 2300.02 Tape 203 Sta 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 5-78
Date	Indexed T.M. PALMERI AUG 3 1978

F. B. ~~2499~~ PG. ~~217~~

N-94

Note: All meas. = Lev. & T-68°.

Con't. Pg. 216

Control Line
C.S.B-1726.

114-097, A-1 (70)

Pacific Coast Hwy.

Pacific Ocean

El. = 13.51
Pg. 169

617.30

Ho. # 20806.
fd. N & Tags (reversed) in cor's of 6"x8" Pilings. as shown.

46.93

33.27

El. = 13.70
Pg. 169

34.13

11.0

Building Line prod.

1-1661220
4-3045020
6-2771540
Av. 166°12'37"

36.99

Ho. # 20810
fd. N. & Tag (reversed)

N-94 & Pt. 850+65.77
F.B. 3790-B3.
Set 2x2 & brad
By Ties as shown.

1243.07

Con't. Pg. 218

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

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76F309S CE#310 3-69

PWFB 1209

603

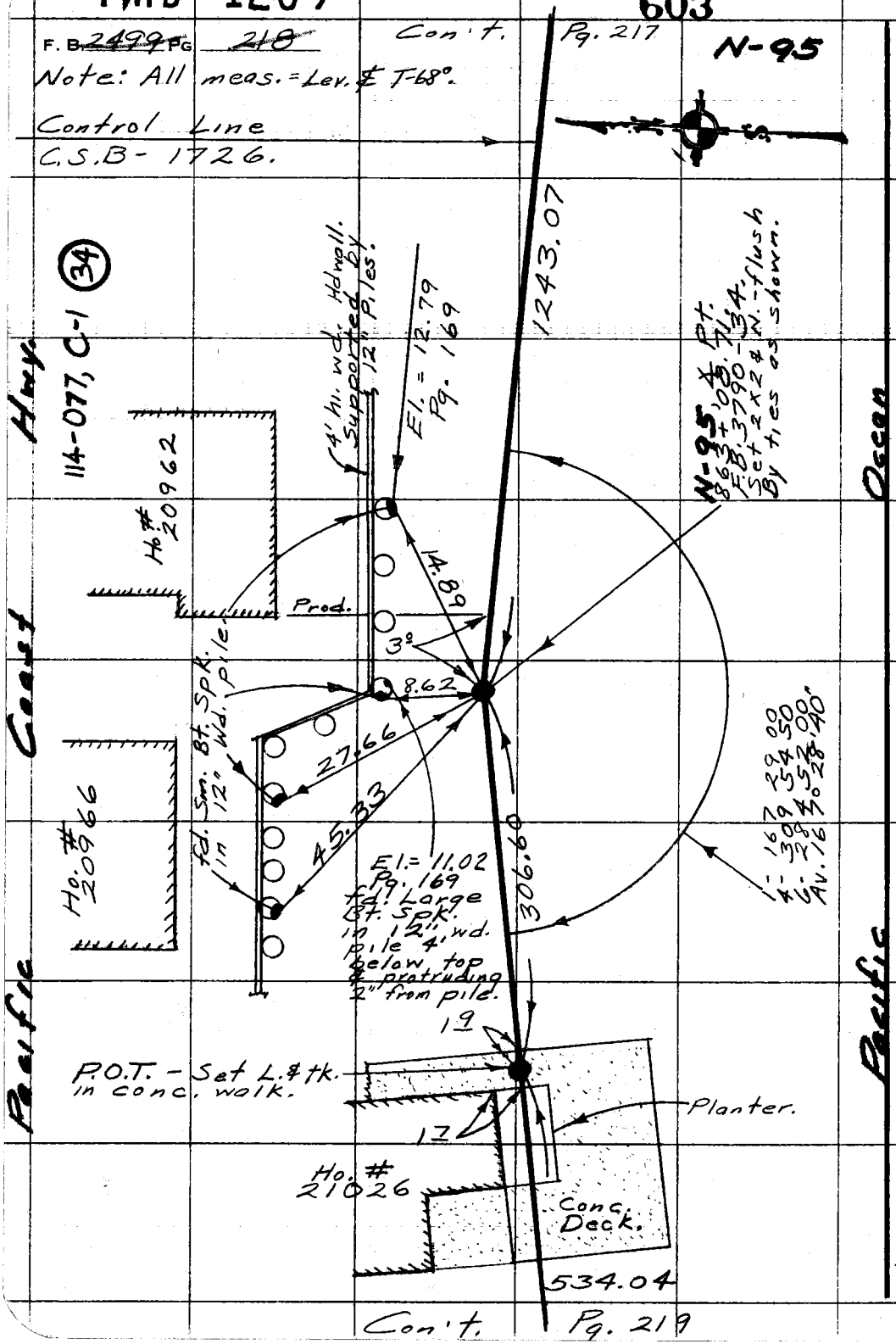
F. B. ~~2499~~ PG ~~218~~

Con't. Pg. 217

N-95

Note: All meas. = Lev. ℄ T-68°.

Control Line
C.S.B - 1726.



Con't. Pg. 219

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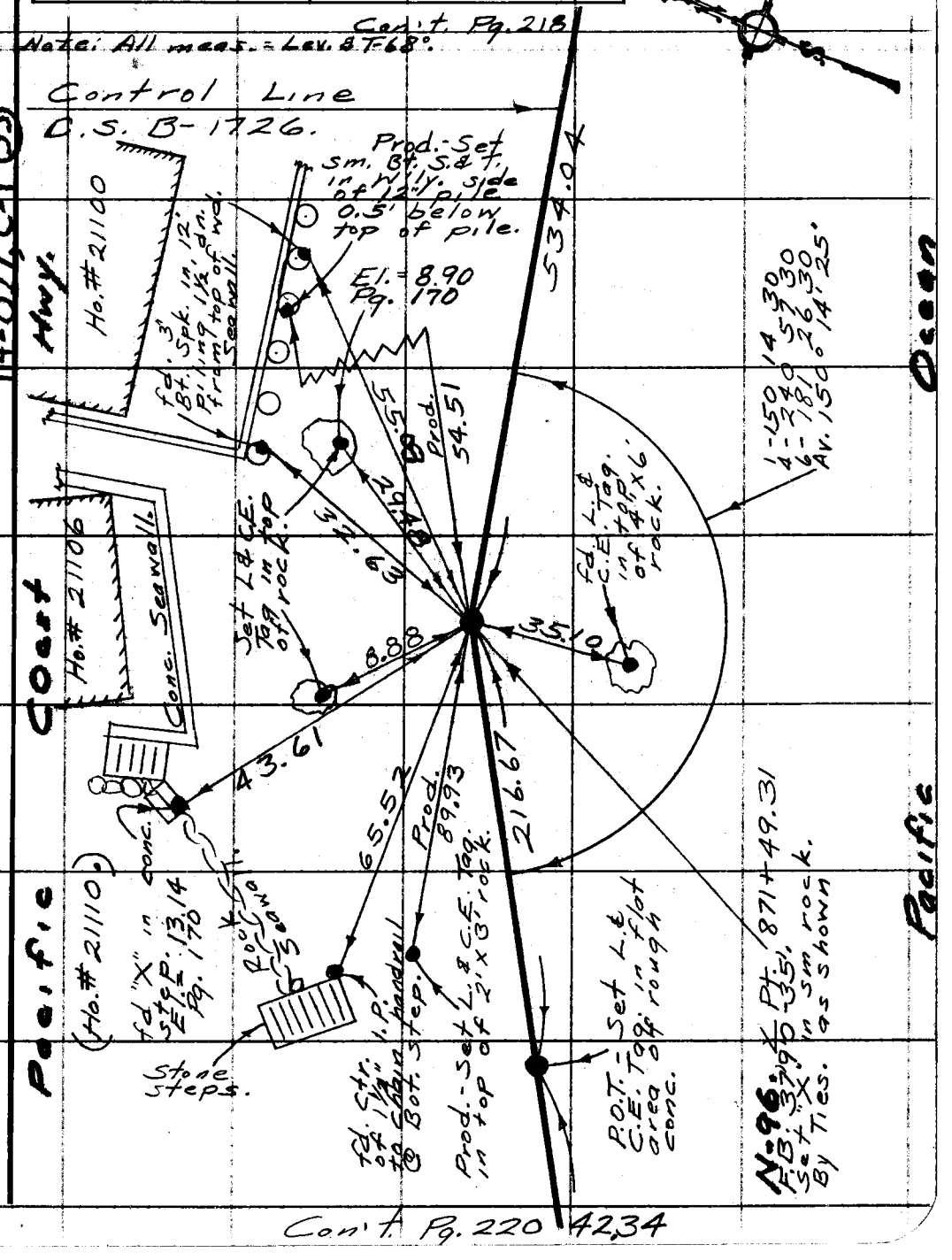
El = 10.85 (11.02)
F.B. 3790-113

PWFB 1209 604

Notes Ck'd by	Survey of Control Line	F. B. 2499 PG. 219
Map No.	IN 2300.02 Tape 203 Stdg 68 °F	N-96
Office Work	Surveyed by English	
Checked	Notes Ed. Date 5-78	
Date	Indexed T.M. PALMERI AUG 3 1978	



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

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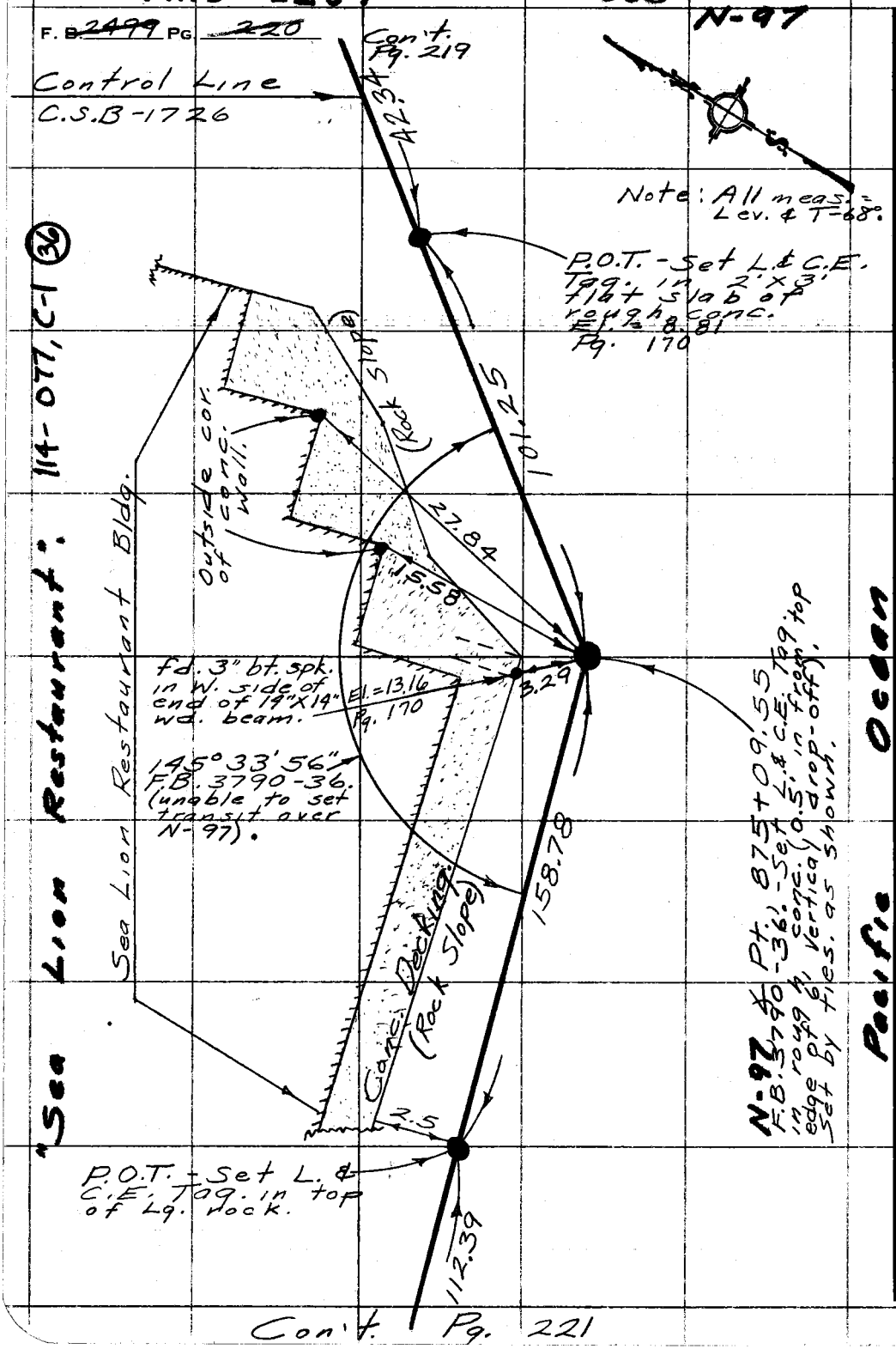
76F309S CE#310 3-69

PWFB 1209 605

F. B. ~~2499~~ PG. ~~220~~



Con't. Pg. 221

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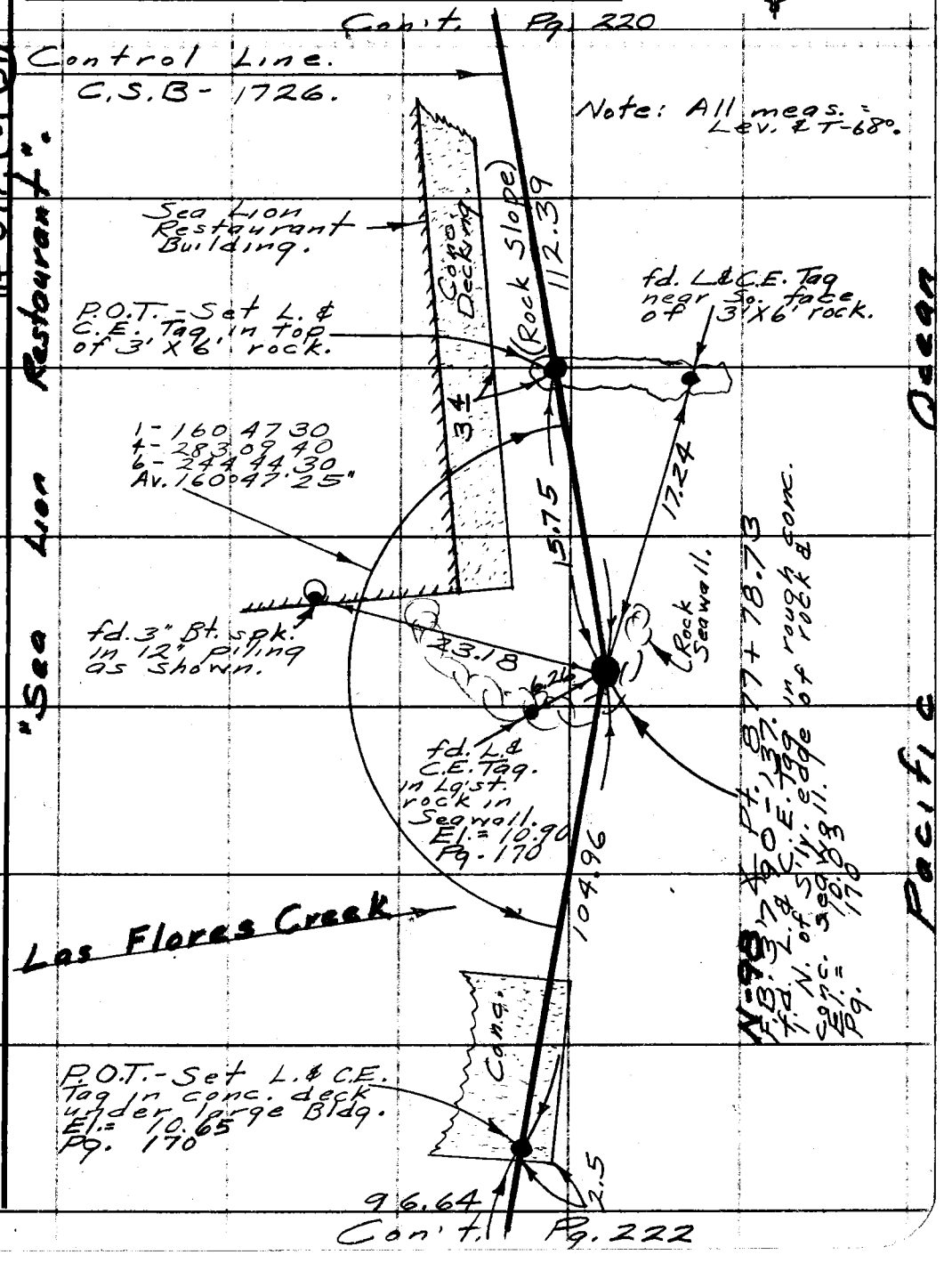
PWFB 1209

606

Notes Ck'd by	Survey of Control Line	F. B. 2499 PG. 221
Map No.	JN 300 02 Tape 203 Std 68 °F	N-98
Office Work	Surveyed by English	
Checked	Notes Ed. Date 5-78	
Date	Indexed T.M. PALMERI AUG 3 1978	



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

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76F309S CE#310 3-69

PWFB 1209

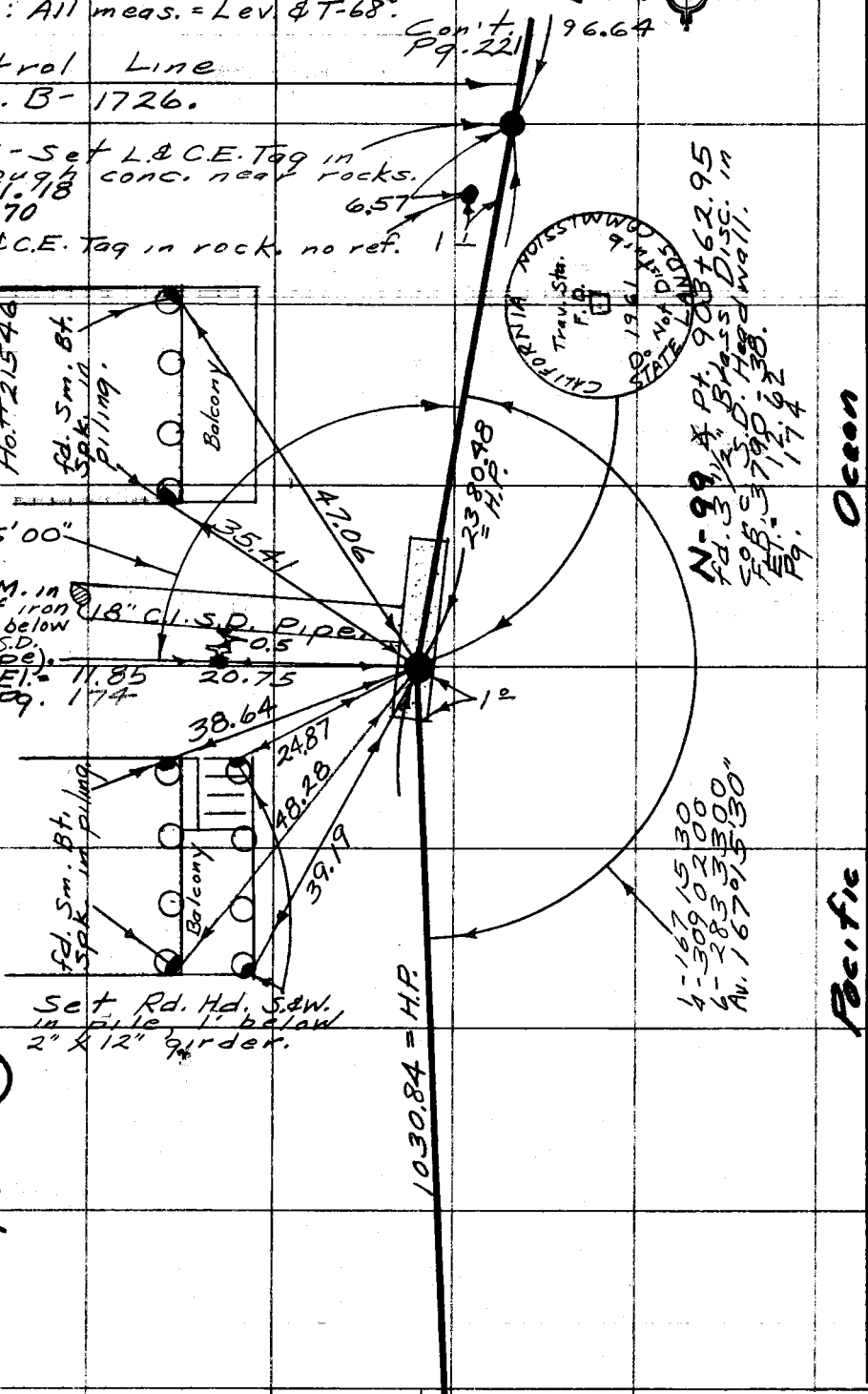
607

F. B. ~~2499~~ PG ~~222~~

Note: All meas. = Lev. & T-68°.

Control Line
C.S. B-1726.

P.O.T. - Set L.&C.E. Tag in a rough conc. near rocks.
El. = 11.18
Pg. 170
fd. L.&C.E. Tag in rock. no ref.



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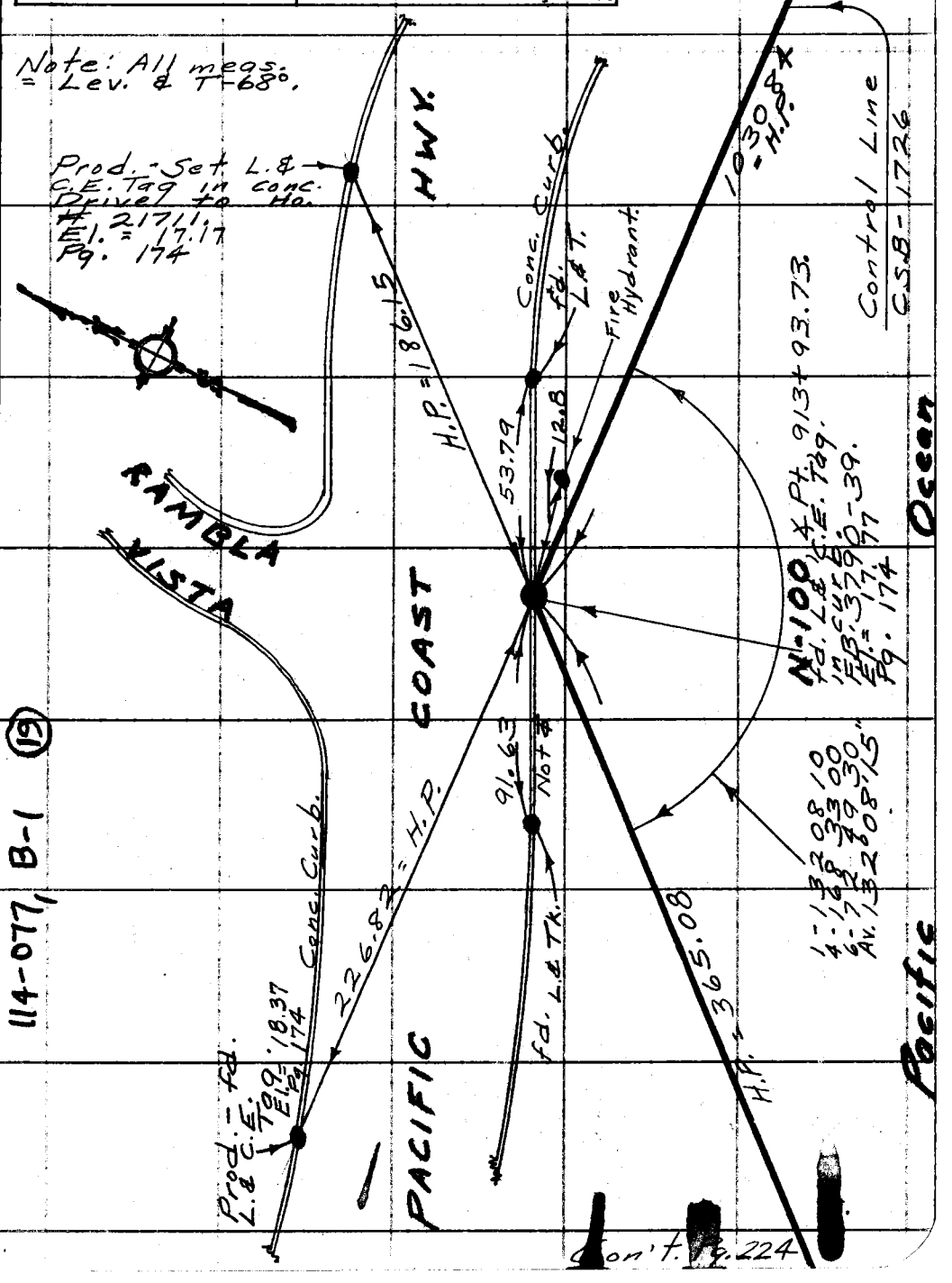
H4-077, B-1 (35)

PWFB 1209 608

Notes Ck'd by	Survey of Control Line	F. B. 2499 PG. 223
Map No.	JN 0300.02 Page 203 Std 68 °F	Con't. Pg. 222
Office Work	Surveyed by English	N-100
Checked	Notes Ed. 1 Date 6-30-78	
Date	Indexed T.M. PALMERI AUG 3 1978	



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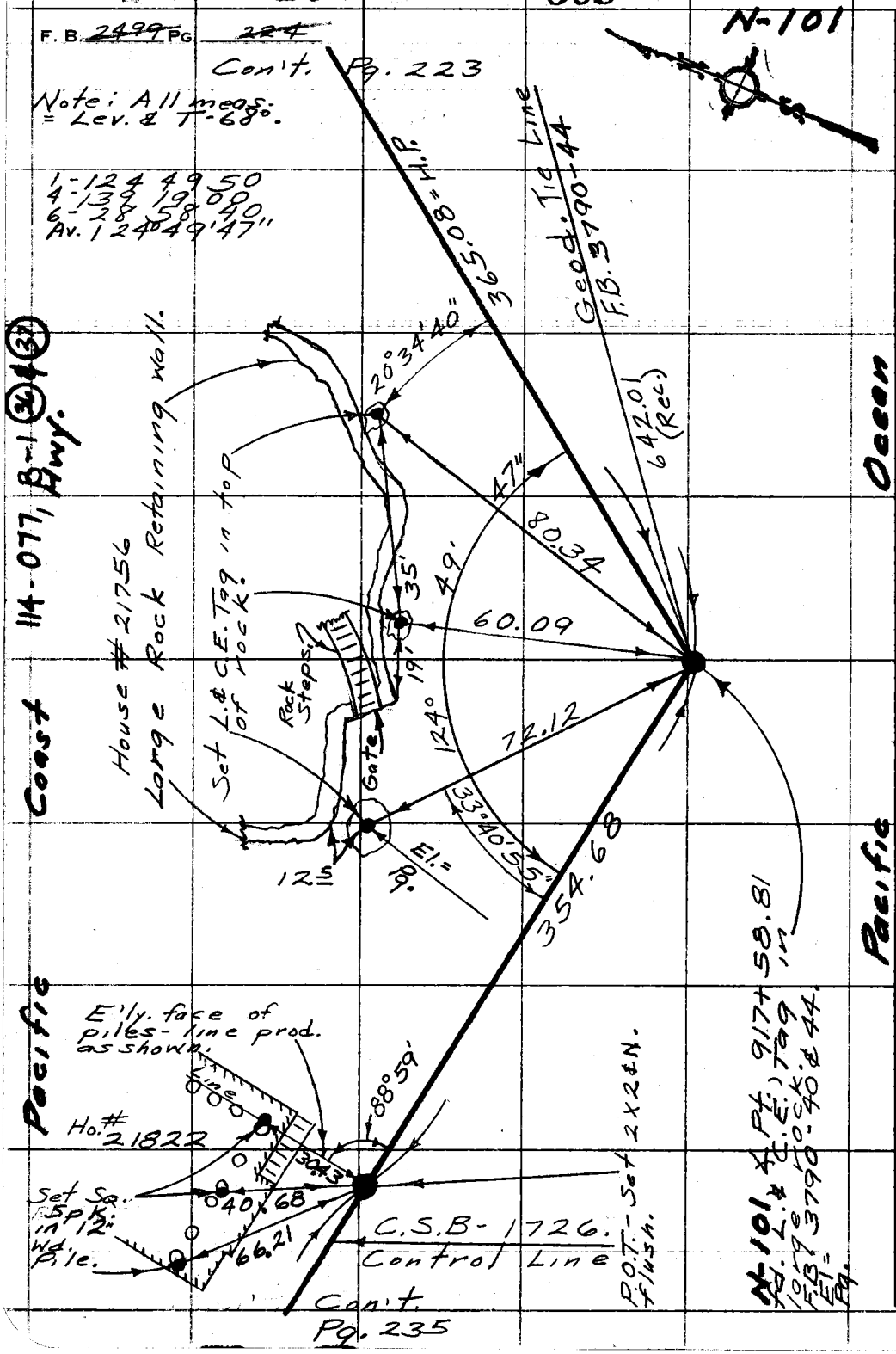
76F309S CE#310 3-69

PWFB 1209

609

F. B. ~~2499~~ PG ~~224~~



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25 22 15

PWFB 1208

129

Notes Ck'd by	Survey of Control Line
Map No.	JN 0300102 Tape 206 Std 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 3-78
Date	Indexed T.M. PALMERI AUG 3 1978

F. B. ~~2499~~ PG. ~~225~~

N-105

1759.52

F.B. 3770

Con't. Pg. 237

Note: All meas. = Lev. & T-68°.

Control Line.
C.S.B-1726.

Pacific Coast Hwy.

Pacific Ocean

10.95

6.11

26.93

825.64 = H.P.

Malibu Fishing Pier.

Con't. Pg. 226

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76F309S CE#310 3-69

PWFB 1208

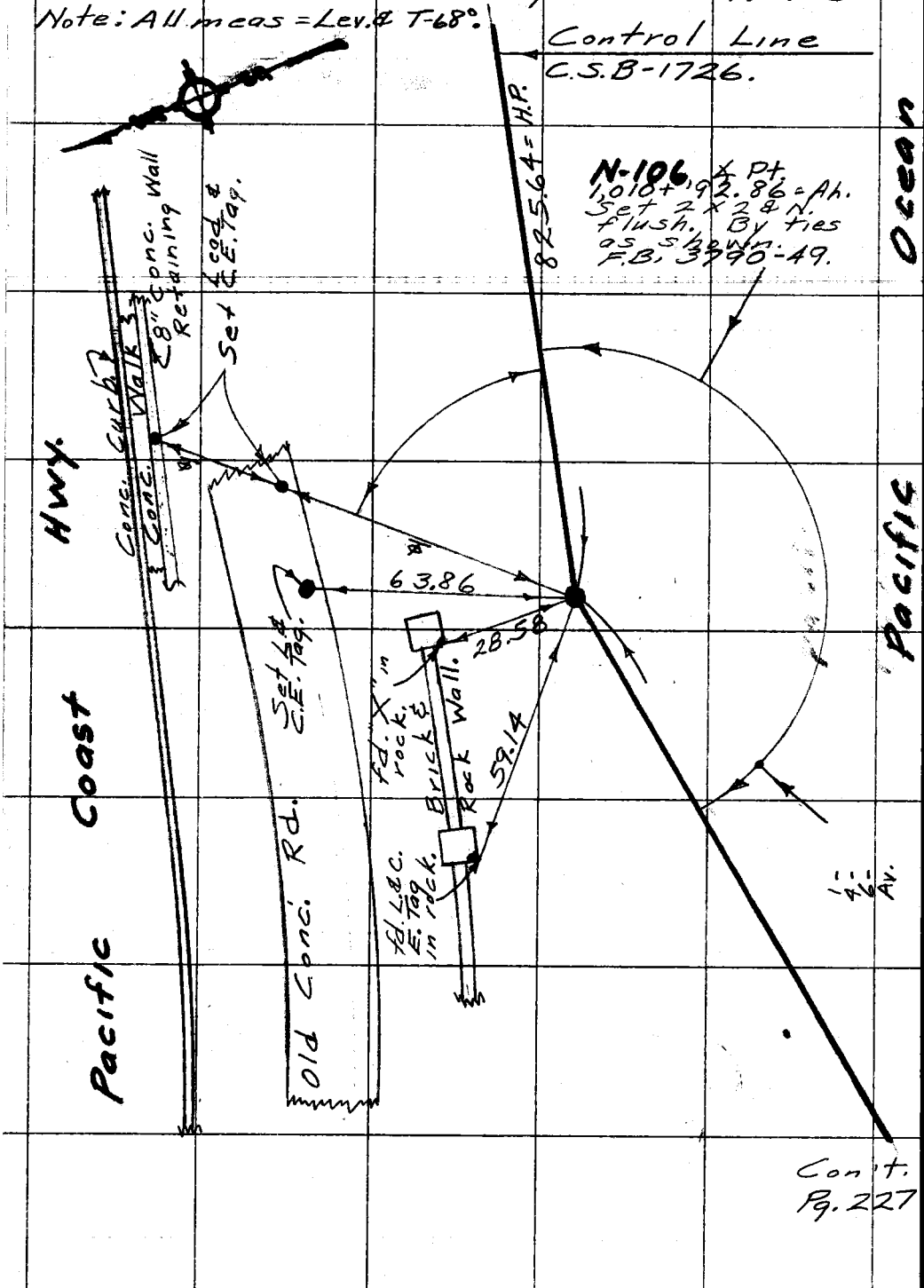
130

F. B. ~~2499~~ PG. ~~226~~

Con't. Pg. 225

N-106

Note: All meas = Lev. & T-68°.



Con't. Pg. 227

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148-51-28

1258.53

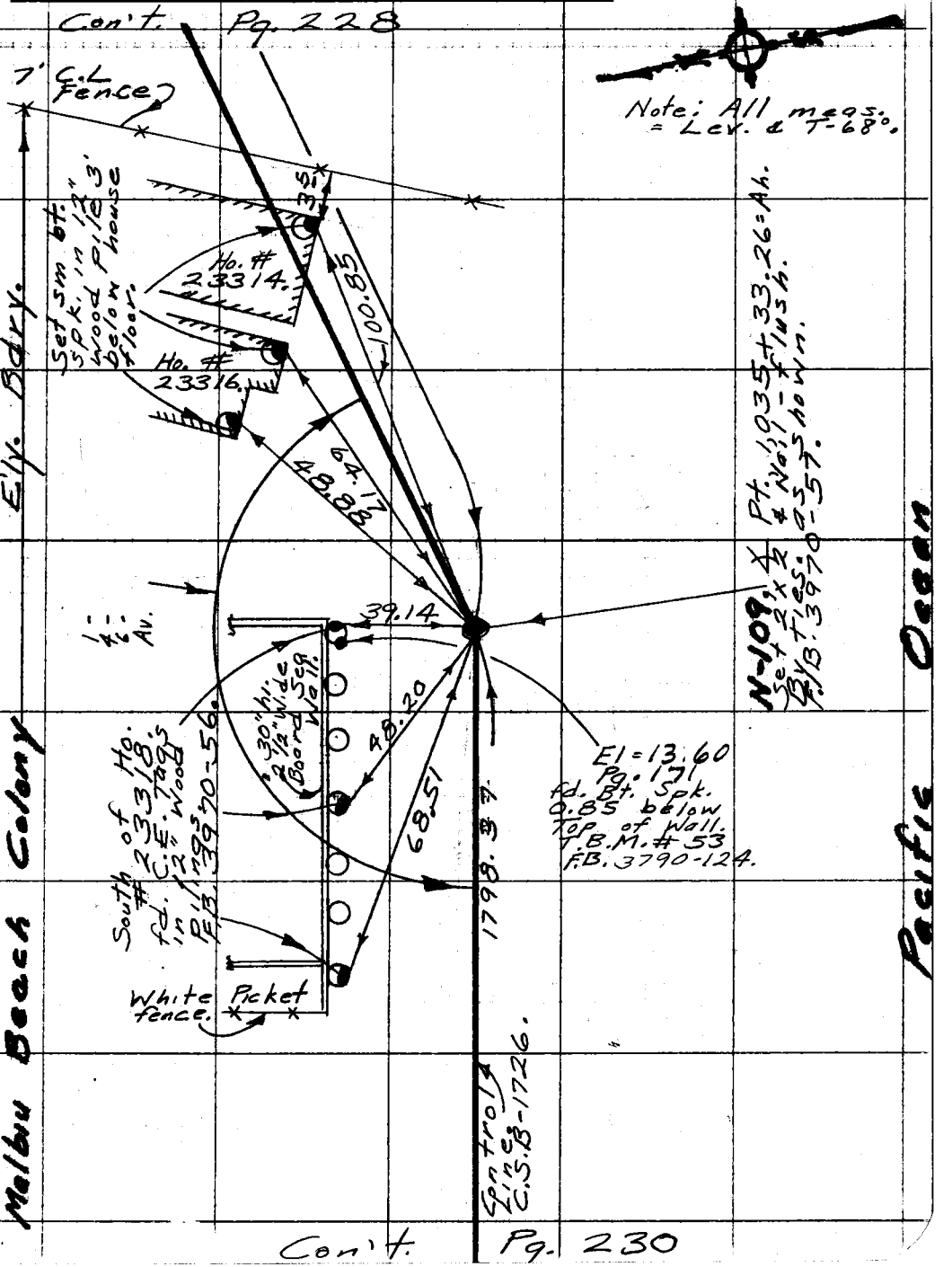
PWFB 1208 [redacted] 131

Notes Ck'd by	Survey of Control Line
Map. No.	JN 0340.02 Tape 206 Std 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 2-78
Date	Indexed T.M. PALMERI AUG 3 1978

F. B. ~~2499~~ PG. ~~229~~

N-109

Con't. Pg. 228



Con't. Pg. 230

1,001.95

136-25-15

1,798.33

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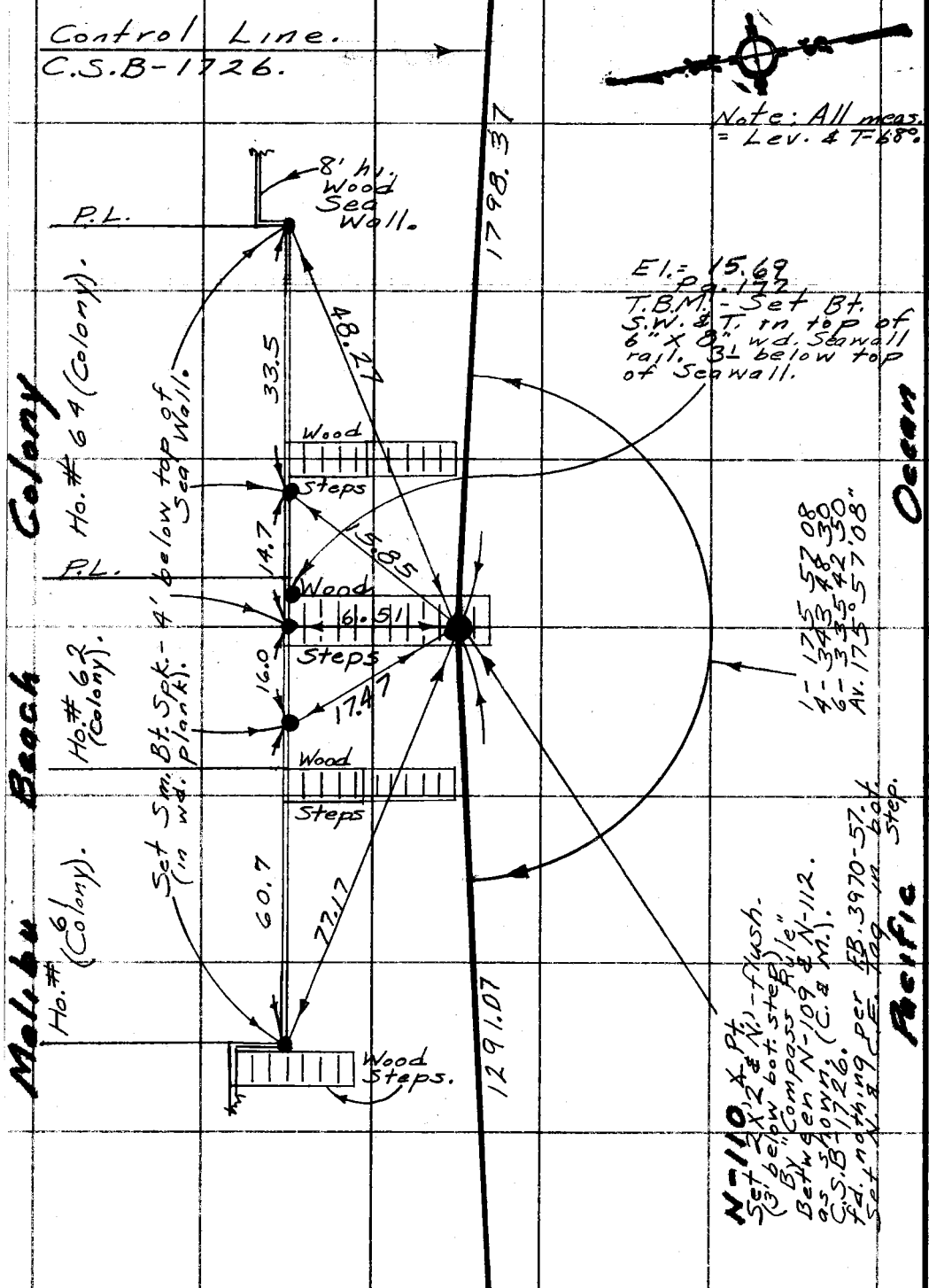
76F309S CE#310 3-69

F. B. ~~2499~~ PG ~~280~~ Con't. Pg. 229 N-110

Control Line.
C.S.B-1726.



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Con't. Pg. 231

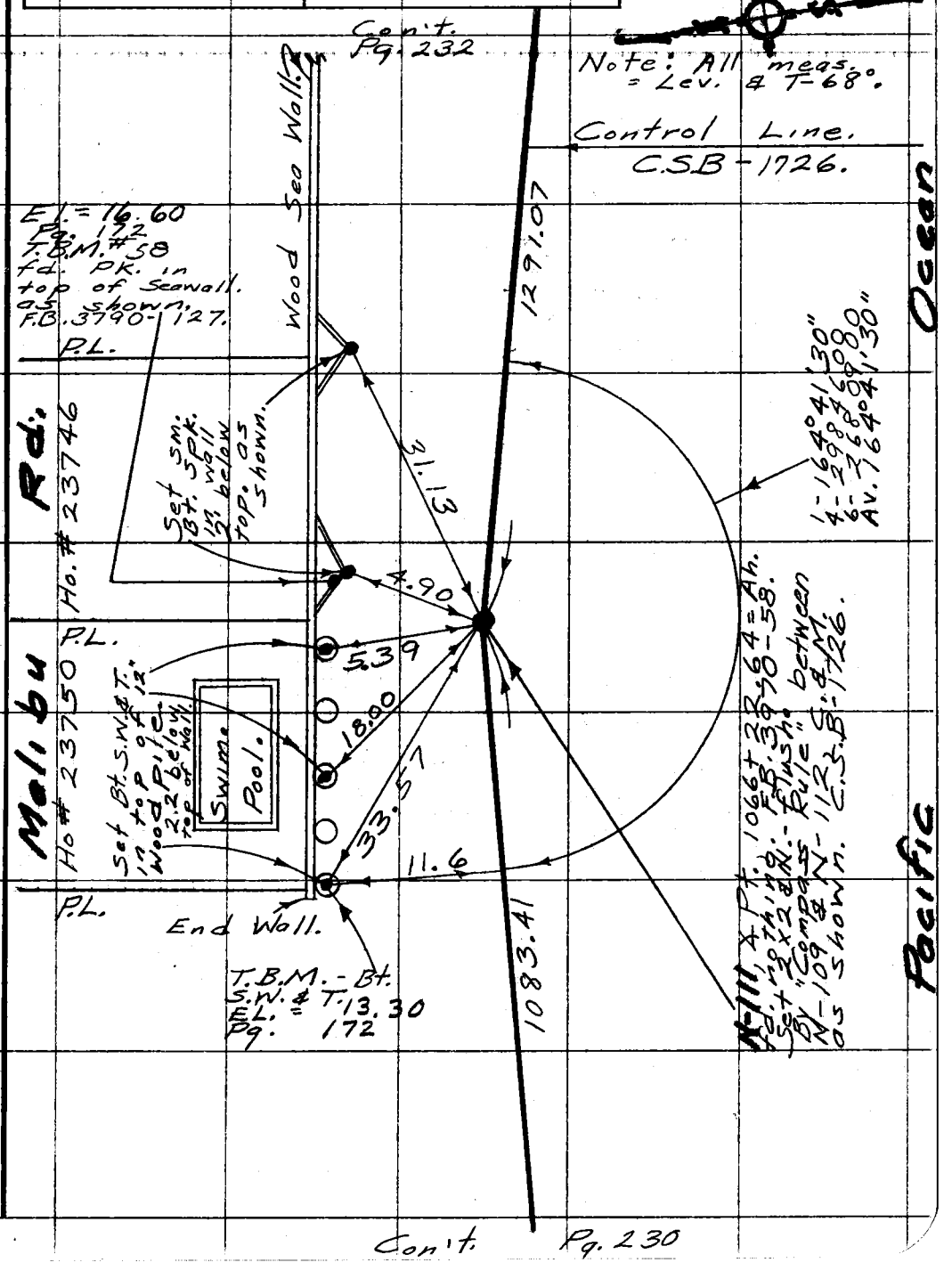
PWFB 1207

459

Notes Ck'd by	Survey of Control Line
Map. No.	JN 230002 Tape 206 Std 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 2-78
Date	Indexed T.M. PALMERI AUG 3 1978

F. B. 2499 PG. 231

N-111.



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

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76F309S CE#310 3-69

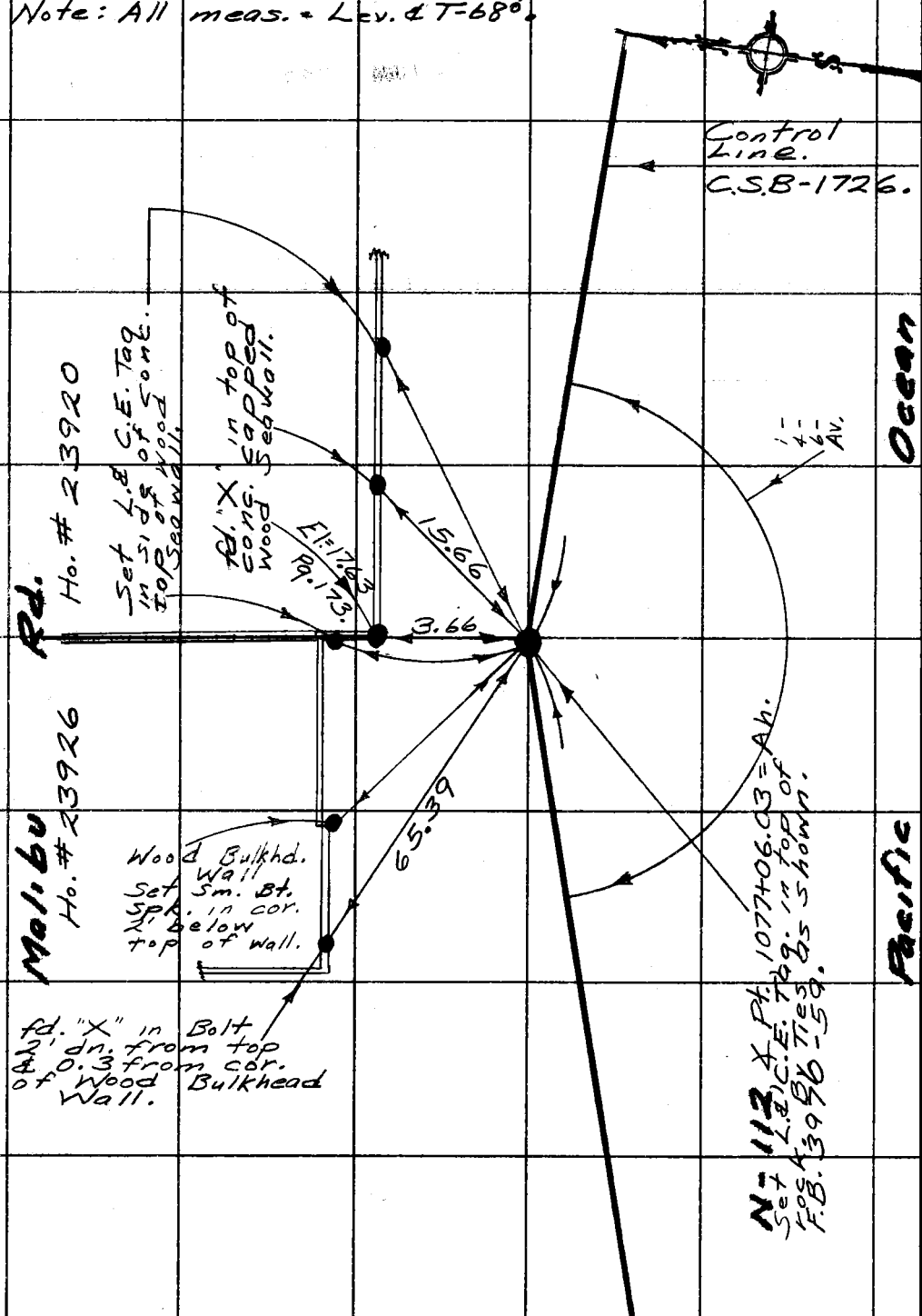
PWFB 1207

460

F. B. ~~2499~~ PG. ~~232~~ Con't. Pg. 231

Note: All meas. = Lev. & T-68°.

N-112



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1083.39

162-00-22

1551.98

Con't. Pg. 235

PWFB 1208

[redacted] 132

Notes Ck'd by	Survey of Control Line
Map. No.	J.N. 0300.02 Tape 206 Std. 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 2-78
Date	Indexed T.M. PALMERI AUG 3 1978

F. B. ~~2499~~ PG. ~~233~~

HYDROSURVEY
CONTROL LINE.

J.N. 0300.02

Locations & Elevations
of Seawall at
Seaward side of
Malibu Colony.
Work requested
By Oceanography
Section, Mr. Hale.

Feb. 27, 1978.
English
Caro
Stroud
Whittaker

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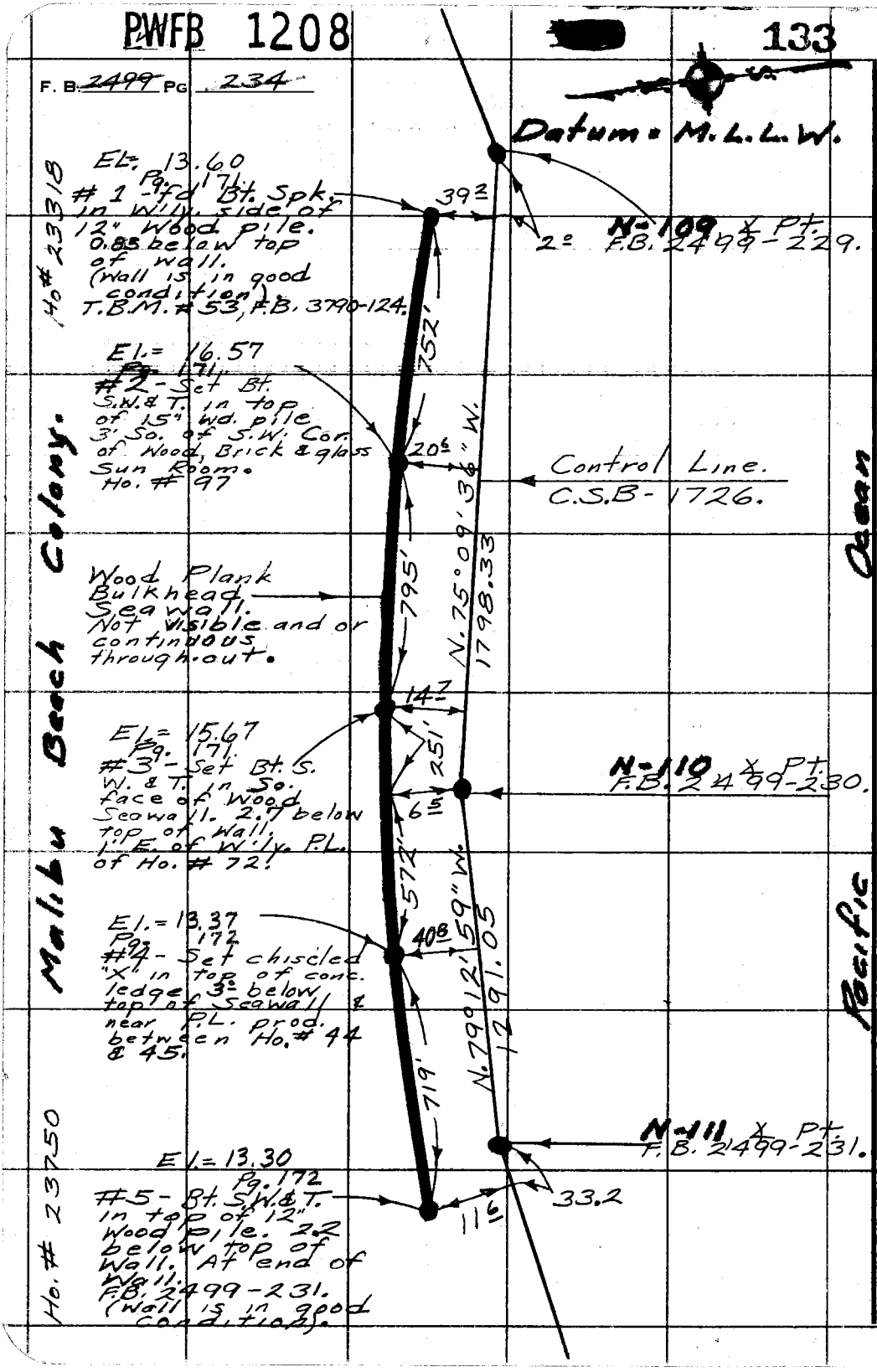
16F309S CE#310 3-69

PWFB 1208 [redacted] 133

F. B. 2499 PG 234



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PWFB 1208 134 [redacted]

Notes Ck'd by	Survey of Control Line
Map No.	JN 030002 Tape 203 Std 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 7-78
Date	Indexed T.M. PALMERI AUG 3 1978

F.B. 2499 Pg. 235

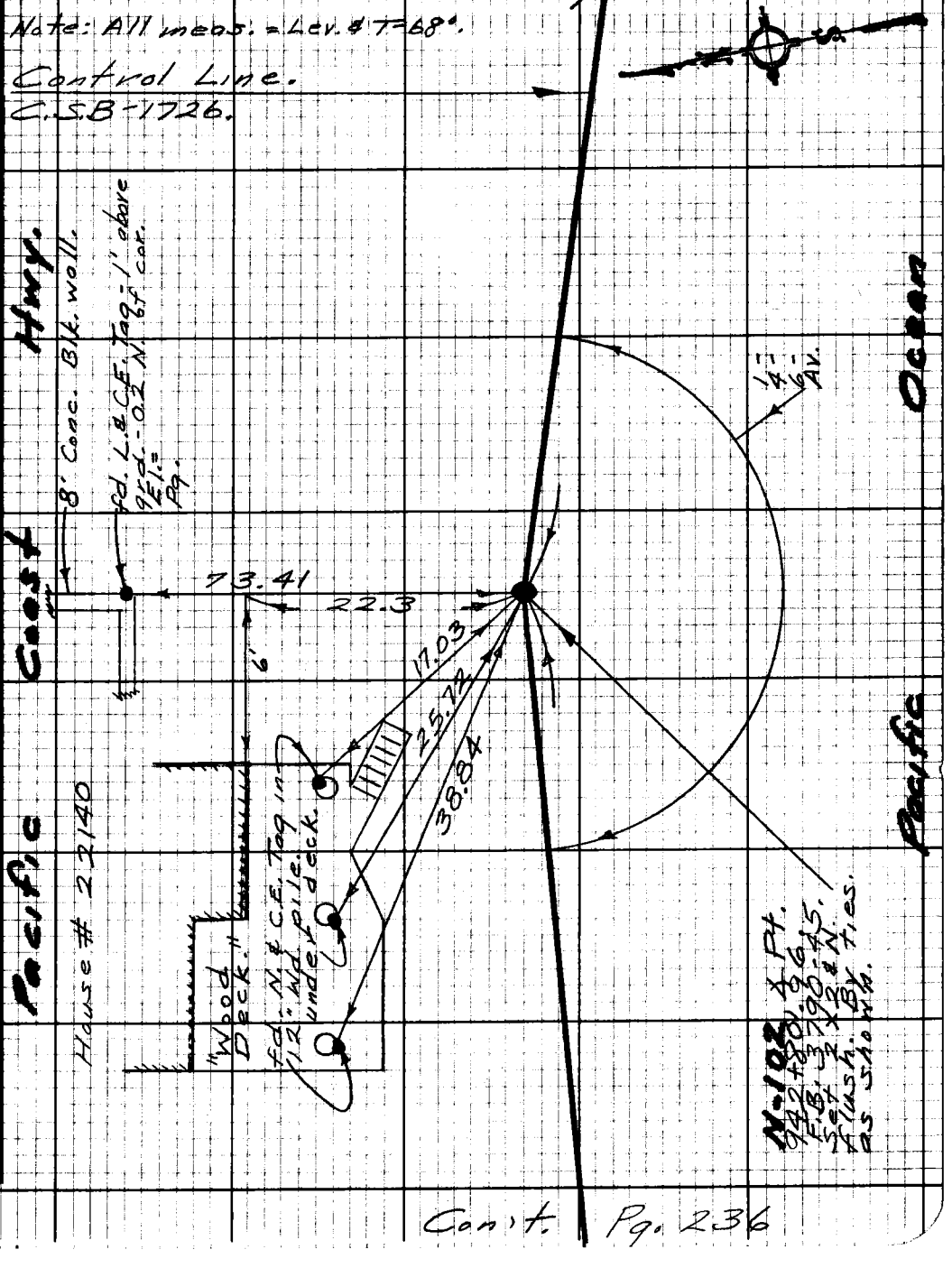
N-102

Con't. Pg. 224

Note: All meas. = Lev. & T=68°.

Control Line.

C.S.B-1726.



Con't. Pg. 236

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PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

174-34.02

2131.88

76F3098 CE#310 9.67

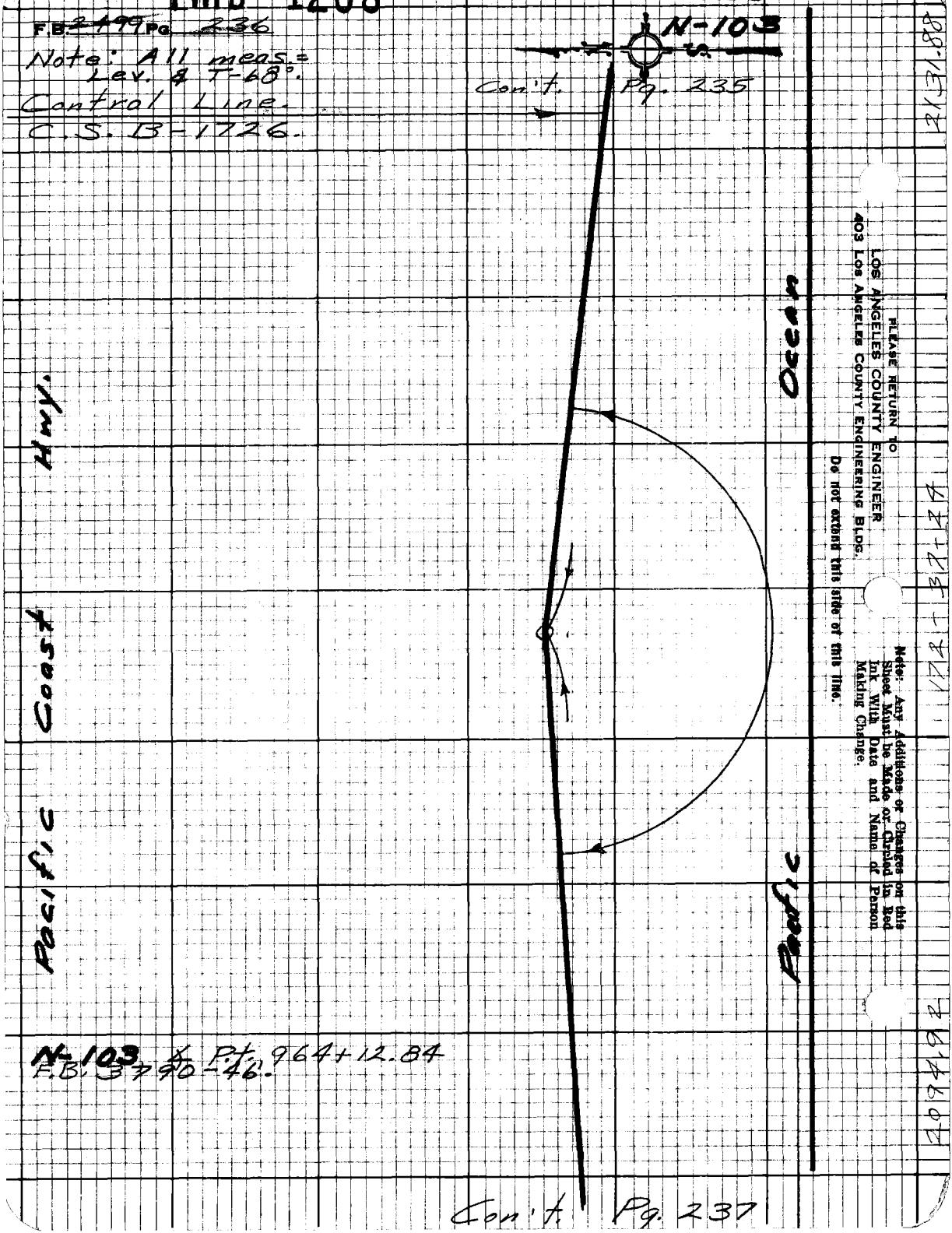
PWFB 1208 [redacted] 135

F.B. 2499 Pg. 236

Note: All meas. = Lev. & T-68°.

Control Line.

C.S. B-1726.



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2131.88

172-37-24

2094.92

PWFB 1208 [redacted] 136

Notes Ck'd by	Survey of Control Line
Map No.	JN 030002 Tape 203 Std 28 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 7-78
Date	Indexed T.M. PALMERI AUG 3 1978

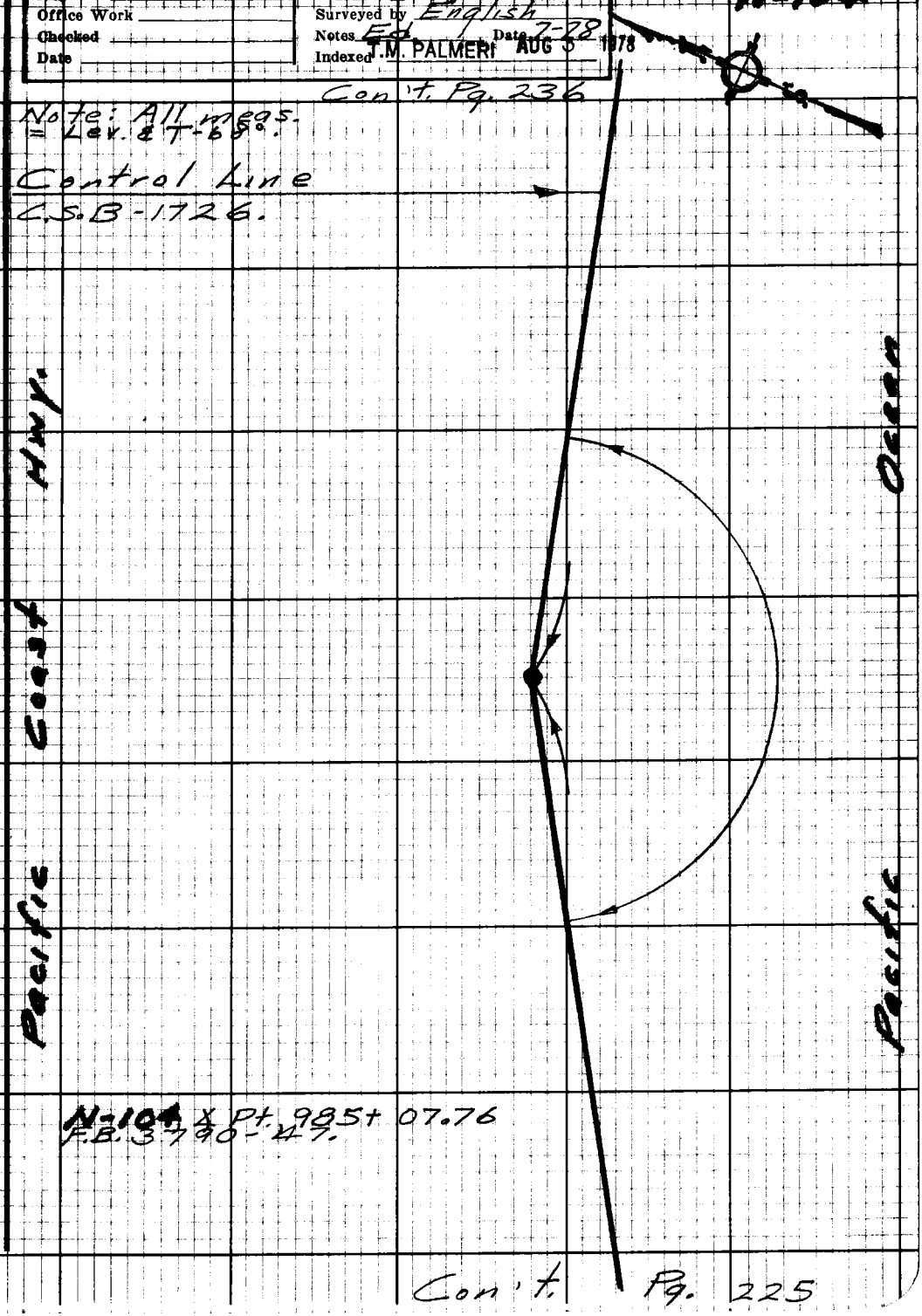
F.B. ~~2499~~ Pg. ~~237~~

N-104

Con't. Pg. 236

Note: All meas. = Lev. & T-68°.

Control Line
C.S.B-1726.



N-104 X Pt. 985+ 07.76
F.B. 3790-47.

Con't. Pg. 225

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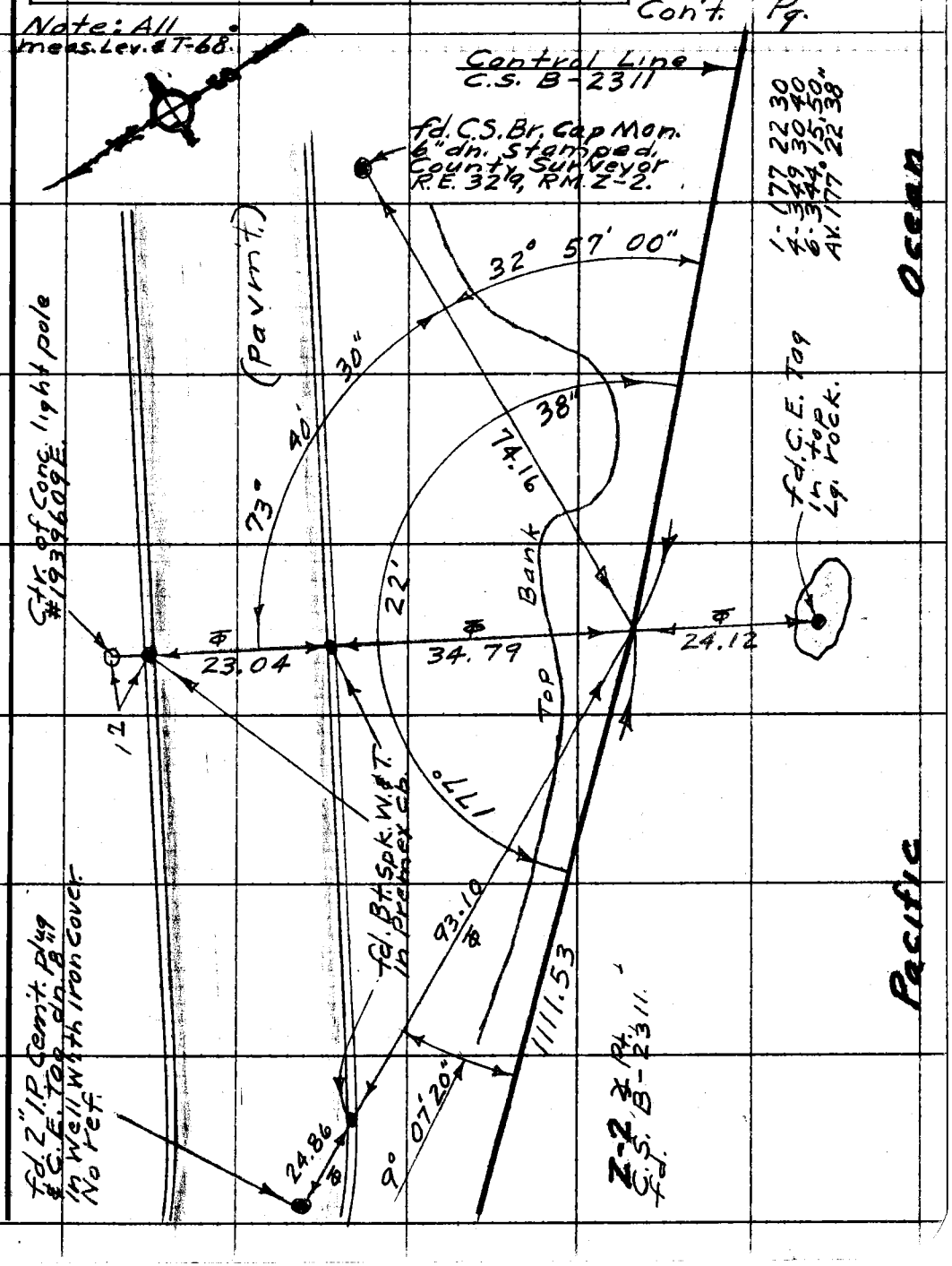
76F3098 CE# 310 9-67

Notes Ck'd by	Survey of Control Line	F. B. ~~2499~~ PG. [redacted] 239
Map No.	JN 030002 Tape Std. 68 °F	Z-2
Office Work	Surveyed by	
Checked	Notes Caro Date	
Date	Indexed T.M. PALMERI AUG 2 1978	



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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 3-69

PWFB 1014

VENICE BEACH

254

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

Survey of Rock protection wall
JN 1516.08 Tape 5000 Std — °F
Surveyed by ME WACKER
Notes moody Date 1-82
Indexed H. HOLMAN JAN 20 1982

F.B. 2499 Pg 241

HORIZONAL CONTROL (P.T.)
VENICE BEACH
ROCK PROTECTION WALL
J.N. 1516.08

FB REF
2499-94,95

PARTY
WACKER
MOODY
FALSEY

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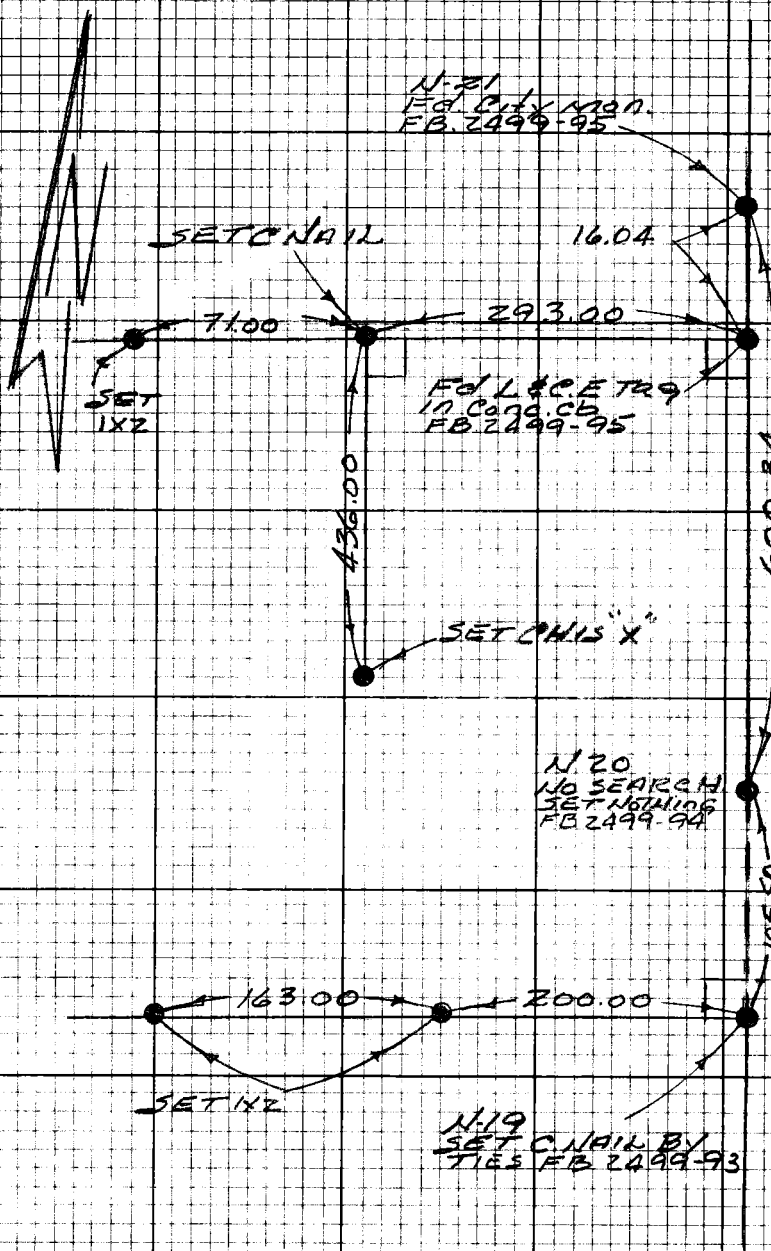
76F308 CE#310 2/67

PWFB 1014 255, 256, 257

F.B. 2499 PG. 24C



ALL DIST MEAS. LEV. W/EDM.

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403 Los Angeles County Engineering Bldg.

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F. B. 2499 PG. 243

Profile No. | Notes Red | Plotted | Job No. 1516.08 | Division No.
Date | Date | Survey of VENICE BEACH ROCK PROTECTION WALL
X-Sec. No. | Notes Chk'd. | Checked | Survey by WACKER | Notes MOODY | Date 1-82
Date | Date | Map No. 248 | Indexed H. HOLMAN | Date JAN 20 1982

PWLB 1209

VERTICAL CONTROL
VENICE BEACH
ROCK PROTECTION WALL
J.N. 1516.08

STATION	B. S.	H. I.	F. S.	ELEV.	
				FB REF 2499-95	PARTY WACKER MOODY FALSEY

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76-L-298 CE 307 8-70

76-L-298 CE 307 8-70

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STATION	B. S.	H. I.	F. S.	ELEV.	
BM N-21	6 13	19 76		13 63	BM N-21 ELEV = 13.632 FB 2499-48
					3½" BRASS TABLET IN H.H. PG 95
BM N-21 TIE	5 21	20 01	4 96	14 80	N-21 TIE (DIST = 16.64) L & CE tag PG 95
					ELEV = 14.799 FB 2499-48
TBM			4 19	15 82	T.B.M. ELEV. 15.82 FB 2499-
	2 96	18 78			Fd SPK IN CONC BASE OF LIGHT STANDARD.
▽			4 66	14 12	
	4 69	18 81			
T.B.M			5 76	13 05	T.B.M ELEV. 1305 FB 2499-
	4 44	17 49			SET 1X2 200' W. OF 24th AVE FROM OCEAN WK
TBM			5 55	11 94	TBM ELEV. 11.94 FB 2499-
	8 43	20 37			SET 1X2 363' W. OF 24th AVE FROM OCEAN WK
▽			6 14	14 23	
	7 22	21 45			
▽			3 61	17 84	
	3 33	21 17			
TBM			7 57	13 60	TBM ELEV. 1360 FB 2499- SET PAINT
	4 94	18 54			MARK IN CB FRONT OF LIGHT POST
BM N-21 TIE			3 74	14 80	N-21 TIE (DIST 16.64)

F. B. 2499 PG. 244 1516.08
Job No.
Division No.
Notes Red
Plotted
Profile
Survey of VENICE BEACH
Date
Date
No.
Survey by WACKER Notes Moody
Notes Chk'd.
Checked
X-Sec.
Indexed PWLB 1209
Date
Date
No.
249

PWFB 1014 258

Notes Ck'd by	Survey of VENICE BEACH
Map No.	JN 1521.57 Tape EDM Std. °F
Office Work	Surveyed by M.E. WACKER
Checked	Notes J.F Date 3-83
Date	Indexed

F. B. 2499 PG. 245

J.N. 1521.57

VENICE BEACH.

HORIZONTAL CONTROL

MARCH - 1983

REF.
FB 2499-95

PARTY
M.E. WACKER
J. FALSEY
L. MANLEY

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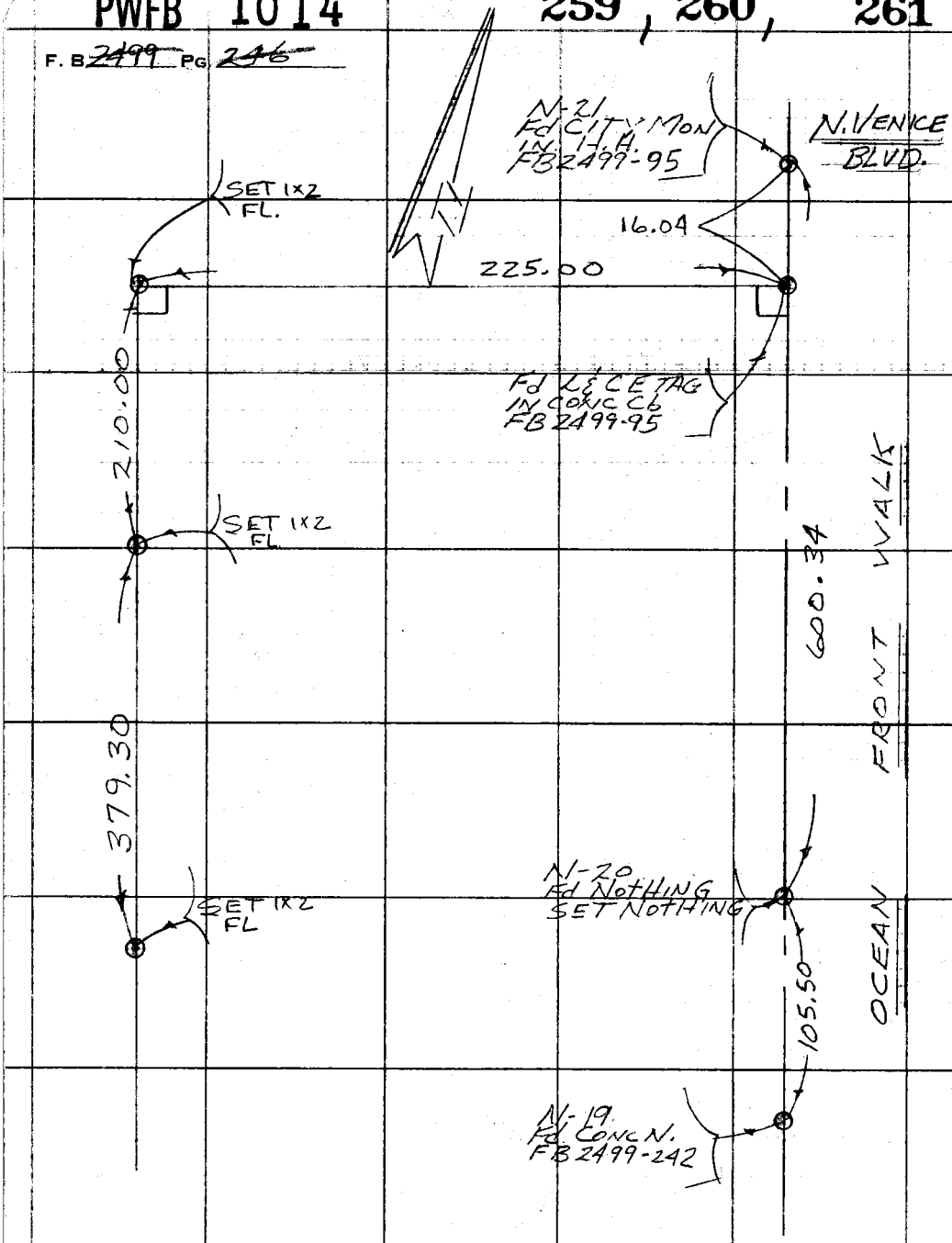
76F309S CE#310 3-69

PWFB 1014 259, 260, 261

F. B. ~~2499~~ PG. ~~246~~



ALL DIST. MEAS LEV. WITH E.D.M.

D. 00-00-10
R. 180-00-12

D. 90-00-10
R. 270-00-11
Δ = 90-00-00

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