NOTES REC. JOB NO. 3134.01 SURVEY OF Lomita Relief S.D. Proj. #1104 | 3321 F.B. | 5 Pg.

SURVEY BY J. H. Brown

CASH NOTES BY E. Shoemaker DATE Oct. 8, 1965

CHECKED GALLI DATE

LOMITA RELIEF

S. D. PROJECT

No. 1104

Bench Levels

Oct 8, 1965

J. Brown
E. Shoemaker
R. Rodriguez
I. Alvarez
R. Clifford

Microfilmed Feb. 85

768420 S & E-353 9-55

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 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

JOB NO. 3/34.01 SURVEY OF LOMITA RELIEF SD RELIEF 101109 NOTES RED. DATE
SURVEY BY C.E. SHOEMAKER DATE OCT. 8, 1965 NOTES CHKD.
NOTES BY C.E. SHOEMAKER DATE
INDEXED J. GALLI DATE

F.B. 3321 PG. 6

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
NOTE: I HELD TO ELEV SHOWN FOR BM SD 2201 & BM T 31 ARE SHOWN FOR THIS SURVEY WITH PREVIOUS SURVEY.						BM SD 280 FB 3318-22. FOR PURPOSE OF CONNECTING J.H.B.
Fd. BM SD 2201	82.006					BM SD 2201 Elev = 82.202 FB 2525-11, 250th ST N. side 368' W of PENNSYLVANIA Ave. B. spk. IN cb Near P/L @ E SIDE OF DR TO Ho. # 2435
+	5.389		5.108			
⊼	87.395	+0.435	+0.434			
−	4.954		4.674			
T.P. 2	82.441					
+	5.373		5.039			
⊼	87.814	+1.188	+1.189			
−	4.185		3.850			
Fd. BM T-31	83.629					BM. T-31 Elev = 83.731 FB 2525-11 250th ST & CRENSHAW BLVD 109' E of ℄ CRENSHAW BLVD CHISELED □ IN N MI RIM MH. ON ℄ 250th IN front of Ho # 2477
+	5.482		5.113			
⊼	89.111	+1.040	1.045			
−	4.442		4.073			
Fd. BM SD 280	84.669					BM SD 280 ELEV = 84.669 USED CRENSHAW BLVD W SIDE 0.6 MI. NW. OF PACIFIC COAST HWY. 6S S of ℄ PROD 250th ST. B/ SPK IN cb @ c/l of SD. cb (FB 3318-22)
+	3.668		3.758			
⊼	88.337	+0.278	+0.278			
−	3.390		3.480			
T.P. 5	84.947					
+	7.473		6.989	7.820		
⊼	92.420	~~+5.205~~	+5.211	+5.210	5.210	
−	2.268		1.778	2.610		
T.P. 6	90.152					

766420 S & E-353 9-55

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 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

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TP. 6	90.152					Spk N.W. side of road
+	~~8.223~~	3.106	7.981	7.770		
π		~~+3.055~~	+ 3.106	3.106		
−	~~5.168~~		4.875	4.664		
BM SD 281	93.258				93.263	BM-SD. 281 El. 93.263 F.B.
+	7.522		7.337			~~(Set)~~ 'W of ℄ Crenshaw Blvd.
π	100.780	+1.830	1.833		+1.832	S. of ℄ Prod. 250th St. 'S.
−	5.692		5.504			of S.W. cor. Army Reserve Center
						fire house. L.& Co Engr. tag in
						middle of walk 18' S. of N. end of
						curve.
TP. 8	95.088					1X1 & N 2' W of fn at swall
+	11.009		10.671			
π	106.097	+7.564	+ 7.564			
−	3.445		3.107			
T.P. 9	102.652					1X1 8' W of fn at brk. S. of swall
+	9.726		9.361			
π	112.378	+6.345	+6.345			
−	3.381		3.016			
BM SD. 282	108.997				109.004	BM-SD 282 El 109.004 F.B.
+	7.704		7.390			~~(Set)~~ S side of most E'ly hanger
π	116.701	+5.172	+5.171			at ctr. of bldg. Raised spot weld
−	2.532		2.219			on S.W. cor. of iron plate.
BM J748	114.169					BM-J748 El. 114.445 C&G.S. F.B.
+	2.236		2.063			33 1181 pg 12 (Fd) 2.5' S. of S.E.
π	116.405	−3.071	−3.073			Cor of hanger bldg. T-36 now
−	5.307		5.136			"Acme Aircraft Co." A iron B.M.
						disk stamped "J-748 1945 U.S.C.&G.S.
						set in conc up 0.4 ft. above ground.
TP 12	111.098					Set spk in ctr tan strip.

NOTES RED _____ JOB NO. 3134.01 SURVEY OF LOMITA RELIEF S.D. Prod No 1164
DATE _____ SURVEY BY J. H. Brown
NOTES CHK M. ASHLEY NOTES BY F. Shoemaker DATE Oct 9 1965
DATE _____ INDEXED C. J. GALLI DATE _____

3321 F.B. 7 PG.

765420 B & E-353 9-55

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 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

LOMITA RELIEF
SURVEY OF SD Proj. No 1104
JOB NO. 3139.01 SURVEY BY C.L. Brown DATE
NOTES BY C.E. SHOEMAKER DATE Oct. 6, 1965 NOTES CHKD.
INDEXED G. J. GALLI DATE NOTES RED.
F.B. 3821 - 8 PG.

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TP 12	111.098					Set Spk in Otr Taxi Strip.
+	6.066		5830			
π	117164	-0.005	-0.003		-0.004	
−	6.071		5833			
TP 13	111093					Set Spk in NE int. of Taxi Strips
+	3758		3.468			
π	114.851	-3.752	-3.750		-3.751	
−	7.510		7218			
BM SD283	107.341				107.350	BM-S.D. 283 El. 107.350 F.B.
+	6.827		6.960			(Set) On prod. S.E. of ctr. of S.W.
π	114165	+4.694	+4.697		+4.695	Runway @ N.W. Cor. of corr.
−	2.130		2263			iron aircraft garage bldg #2.
						Spk. in lead in foundation.
BM SD284	112.035					BM-S.D. 284 El. F.B.
+	4037		3.784			(Set) On prod. S.E. of S.W. side
π	116072	-0.451	-0.451			of S.W. Taxi-way @ N.W. cor. of
−	4.488		4.235			Corr. iron aircraft garage bldg.
						Spk in lead in foundation.
TP 16	111.584					1X1 & N.
+	5823		5.647			
π	117407	+1.557	+1.557			
−	4.266		4090			
BM-SD285	113.141				113.151	BM-S.D. 285 El. 113.151 F.B.
+	2.792		2.586			(Set) Bay Area Aircraft Repair (Cessna
π	115933	-5.516	-5.514			Sales & Service) Bldg. N.W. side
−	8.308		8102			of hanger door. E Corner of
						angle iron foot plate
T.P. 18	107.625					Spk. in driveway

76S420 S & E-353 9-55

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 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

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P. 18	107.625					
+	4.470		4202			
⊼	112095	+0.757	0.758			
−	3.713		3444			
TP. 19	108.382					Spk & T Sta 134.00
+	5.375		5.538			
⊼	113757	+2.543	+2.545		+2.544	
−	2832		2.993			
BM.-SD.286	110.925				110.936	BM.-SD 286 El. 110.936 F.B.
+	5.140		5076			~~(Set)~~ Nagel Aircraft Bldg. N.W.
⊼	116065	+2.715	+2.714			end. 10' N.E. of door to parts
−	2.425		2362			sales. 15' S.W. of cor. Bt. Spk
—	—					in lead. 1' in from N. Cor. of
—	—					conc. block
BM.SD287	113.640					BM.-S.D. 287 El. F.B.
+	5.183		5.203			~~(Set)~~ 30' N.E. of S.W. Ch. Lnk. Fn. around
⊼	118823	+0.346	+0.346			Airport 600± S.E. of S.E. side
−	4.837		4.857			St. entrance to Airport. Bt Spk.
—	—					1' N.W. of S.E. end headwall of
—	—					culvert.
BM.SD288	113.986					BM.-SD. 288 El. F.B.
+	8.450		8.405			~~(Set)~~ 5' S.W. of S.W. Ch. Lnk. Fn. around
⊼	122436	+5.022	+5.023		[illegible]	Airport, 580± S.E. of S.E. side of
−	3.428		3.382			St. enterance to Airport. Bt Spk
—						4' S.E. of N.W. end of headwall
—						of culvert.
T.P. 23	119.008					T.P. 1x2 in field.

NOTES RED _____ JOB NO. 3134.01 SURVEY OF Lomita Relief S.D. Proj. # 1104
DATE _____ SURVEY BY J. H. Brown
NOTES CHKD M. ASHLEY NOTES BY S. Shoemaker DATE Oct 13 1955
DATE _____ INDEXED C. J. GALLI DATE _____

3321 F.B. PG. 9

768420 S & E-353 9-55

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 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

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P. 23	119.008					
+	4.626		4,568			
⊼	123.634	-0.159	-0.160			
−	4.785		4728			
BM 21-60B	118.849				118.860	B.M. - 21-60B El. 118.860 (1965 Adj.) F.B. 1392-208 Pacific Coast Hwy. N. Side .55 mile W. of the Intersection of Pacific Coast Hwy. and Crenshaw Blvd. 114.° W. of P.P. #1036928-E and 4.6 N. of the N. curb face. In top and 1.° W of the E. end of conc. culvert #Tor. 172+50 A Std. U.S. Coast and Geodetic Survey 4" Brass Bench Mark Disk Stamped X-767 Reset 1961

JOB NO. 3134.01 SURVEY OF Lomita Relief S.D. Proj #1104 NOTES RED.
SURVEY BY J. Brown DATE
NOTES BY E. Shoemaker DATE 10-13-65 NOTES CHKD.
INDEXED C. J. CALLI DATE DATE

F.B. 3321 PG. 10

Notes Ck'd by	Survey of Lomita Relief SD	F. B. 3321 PG. 15
Map No.	JN 3134.01 Tape 0186 Std 68 °F	
Office Work	Surveyed by J. Brown	
Checked M. ASHLEY	Notes J.H.B Date 10-65	
Date	Indexed G. de GALLA	

J.N. 3134.01

LOMIT RELIEF S.D. PROJ. #7104

TRANSIT LINE

CONTROL FOR PRELIMINARY SURVEY FROM CRENSHAW BLVD @ 250TH ST W'LY TO PACIFIC COAST HIGHWAY @ EXISTING S.D.

OCT 1965

INDEX PAGE 25

PARTY
J.H. Brown
C.E. Shoemaker
R.J. Rodriguez
I. Alvarez

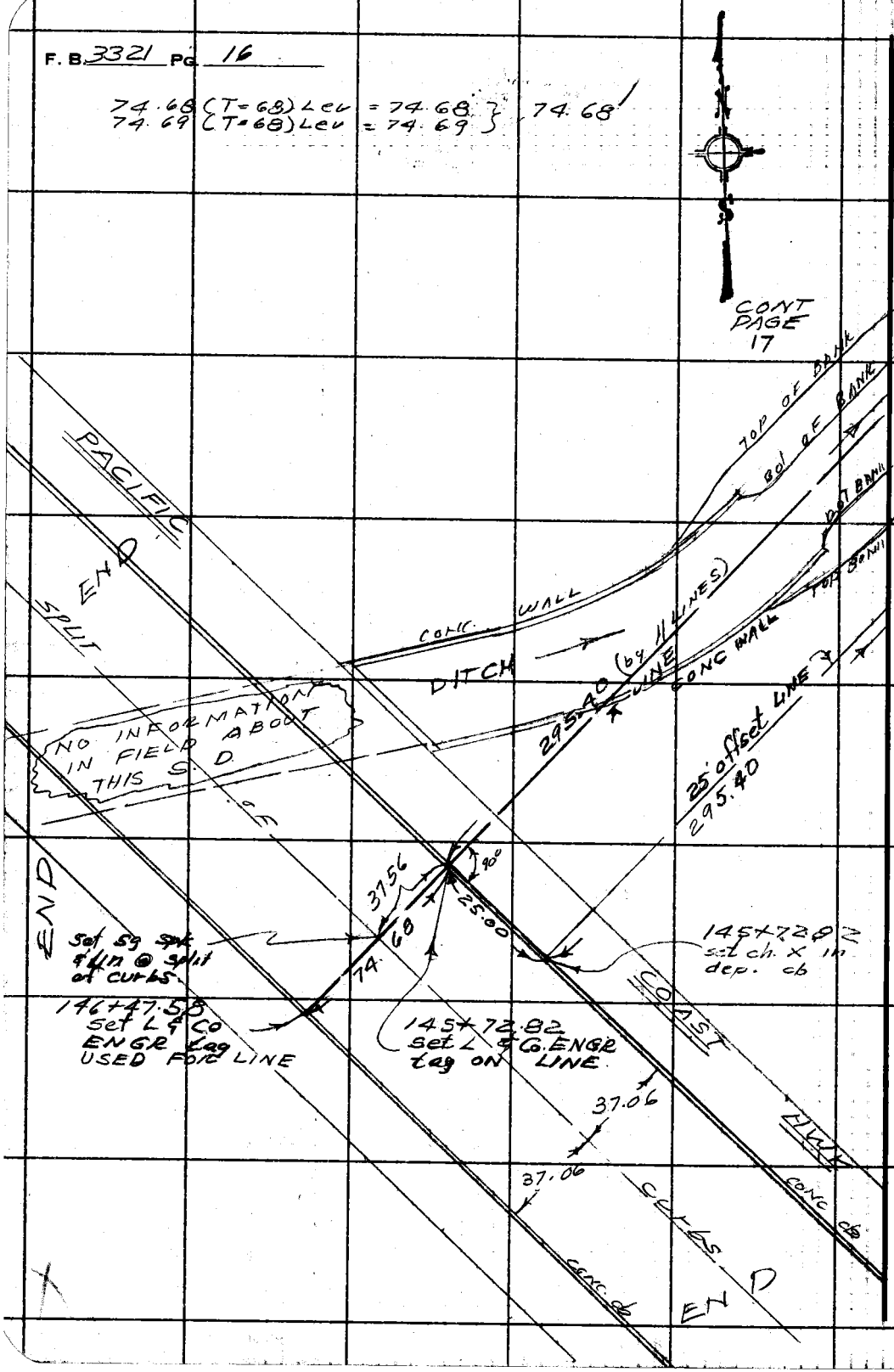
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.

76F309S CE # 310 8-61

F. B. 3321 PG. 16

74.68 (T=68) Lev = 74.68 } 74.68
74.69 (T=68) Lev = 74.69 }



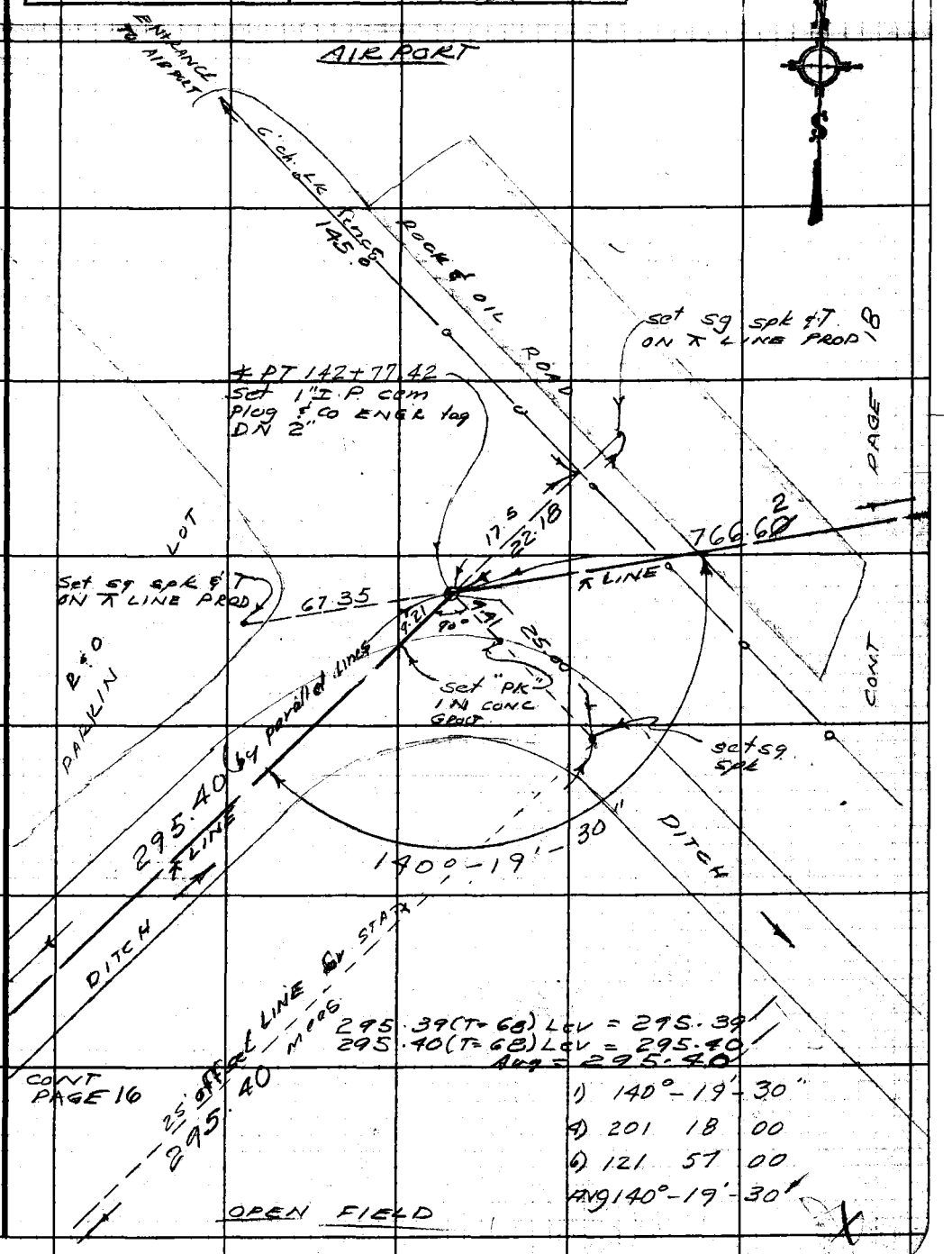
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend this side of this line.

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

Notes Ck'd by	Survey of LOMITA RELIEF 38 RELIEF PROJ 1109
Map No.	JN 2134-01 Tape 0188 Std 68 °F
Office Work	Surveyed by J.H. BROWN
Checked M. ASHLEY	Notes J.H.B. Date 10-65
Date	Indexed C. J. GALLI

F. B. 3321 PG. 17



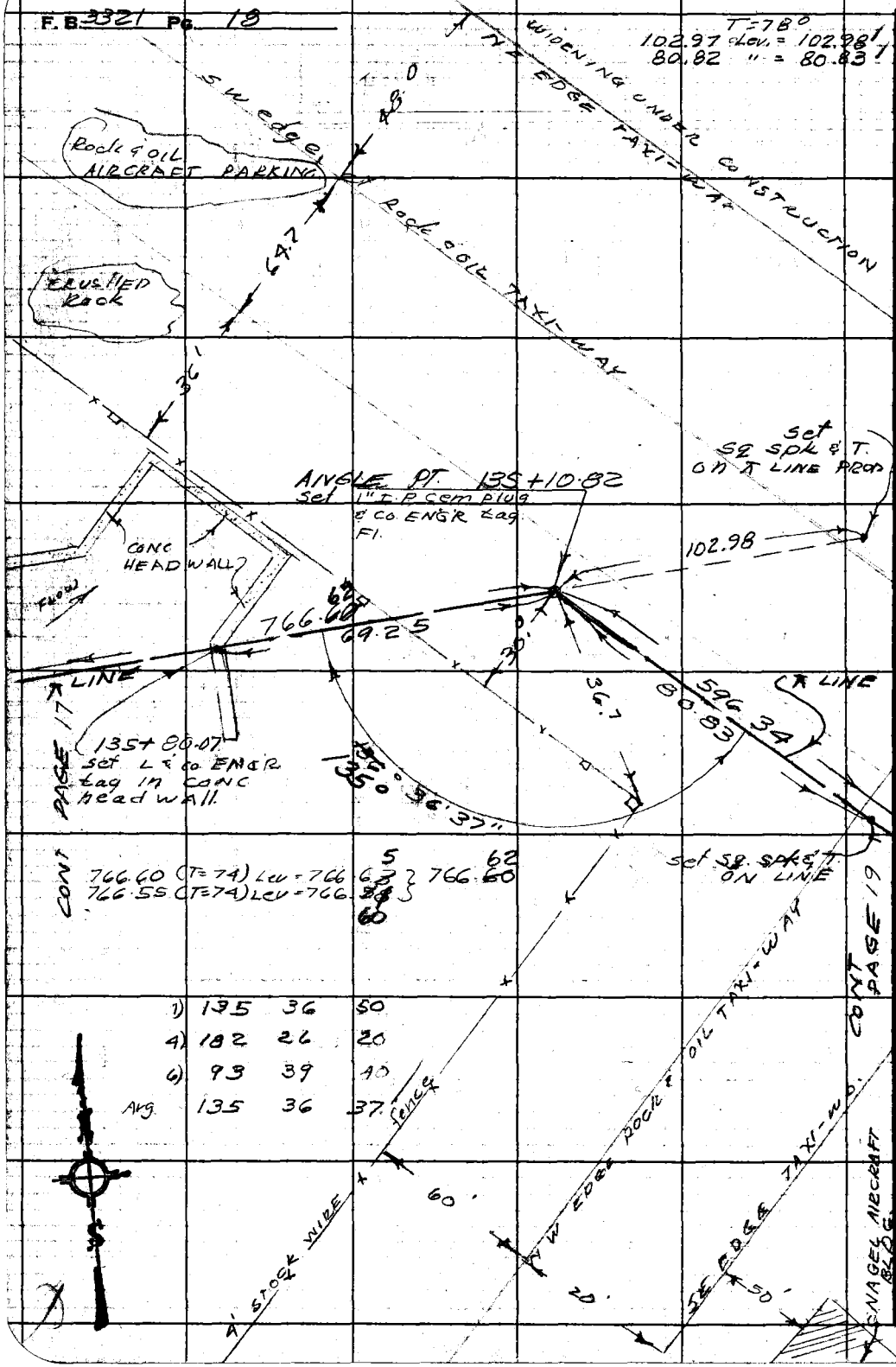
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE #247—3-57

F.B. 3321 Pg. 18



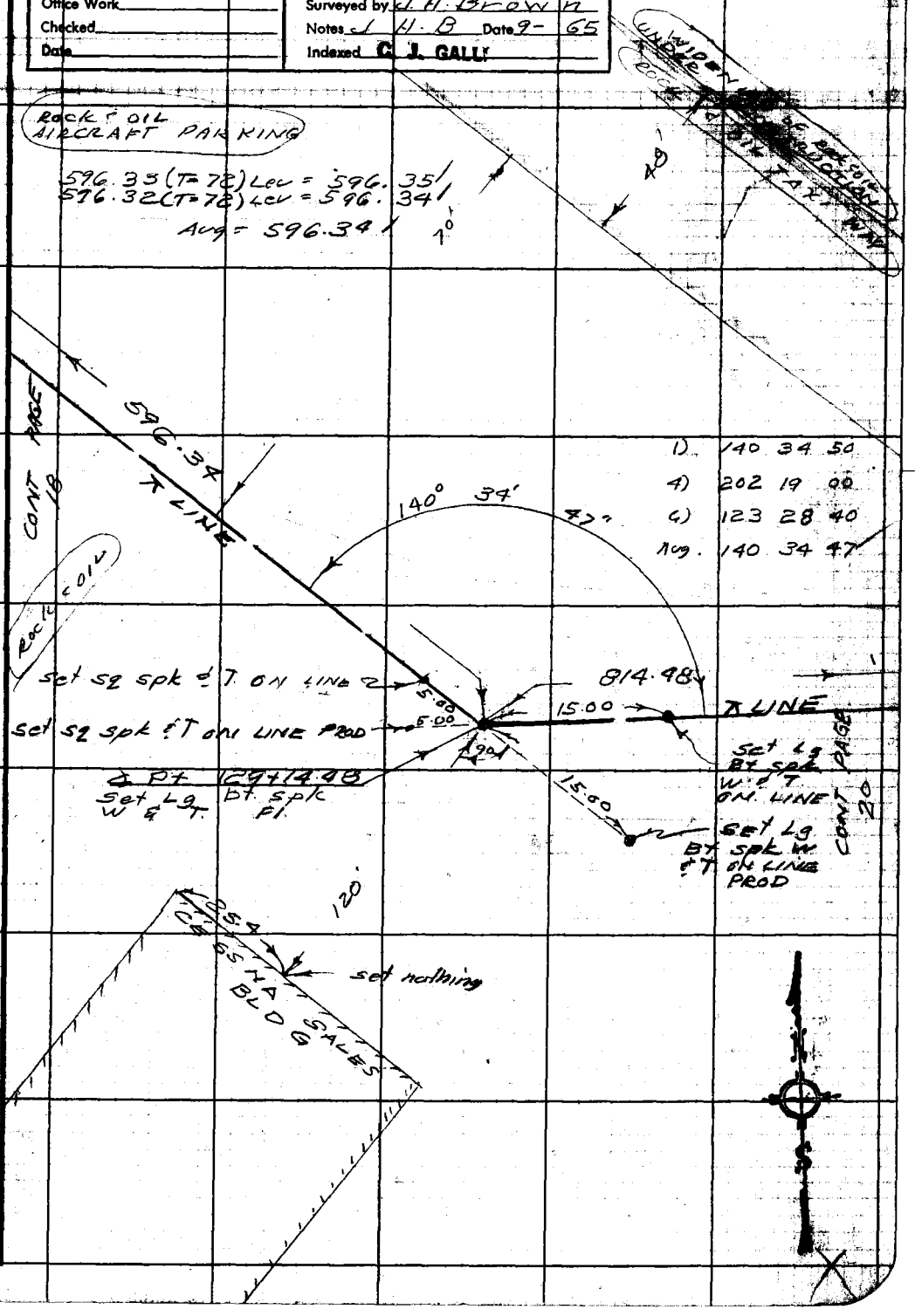
RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

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

Notes Ck'd by M. ASHLEY	Survey of LOMITA RELIEF 3D PROJ. No. 1104
Map No.	JN 31340 Tape 0188 Std 68 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B. Date 9-65
Date	Indexed C. J. GALLY

F. B. 3321 Pg. 19



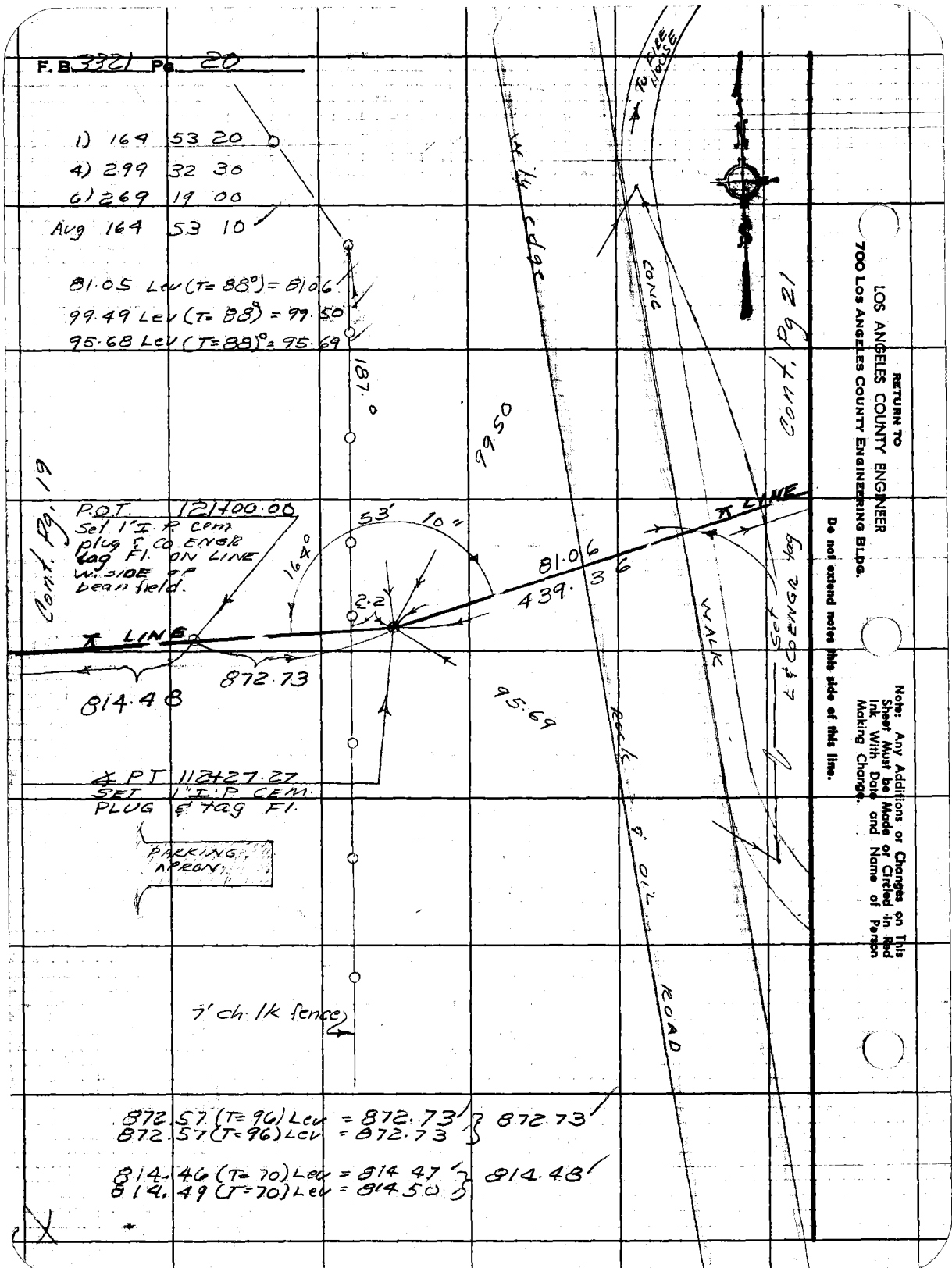
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3095 CE #247—3-57

F.B. 3321 Pg. 20



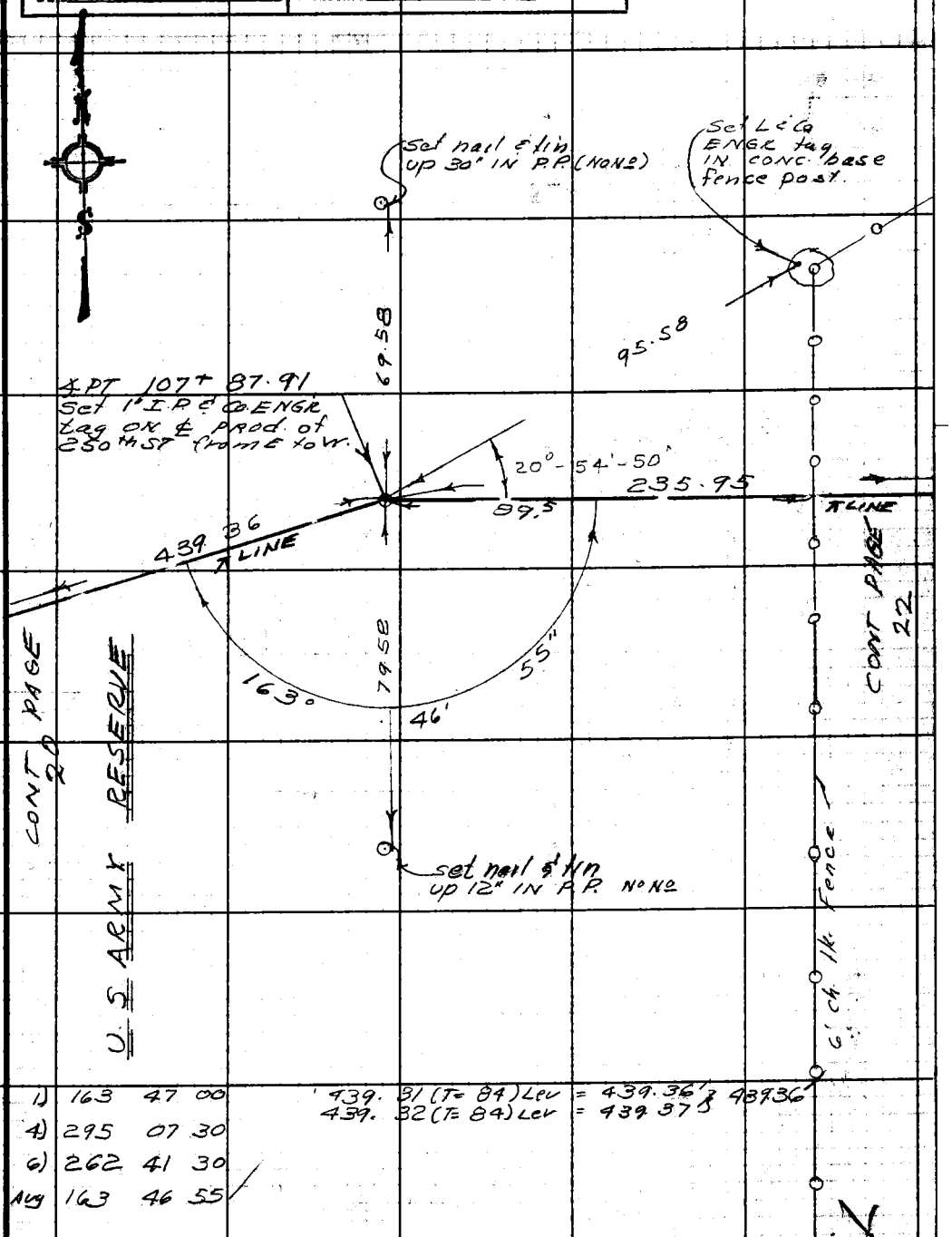
RETURN TO
LOS ANGELES COUNTY ENGINEER
700 Los Angeles County Engineering Bldg.

Do not extend notes this side of this line.

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

Notes Ck'd by M. ASHLEY	Survey of LOMITA RELIEF S.D. RELIEF PROJ. HOS
Map No.	JN 3134.01 Tape DIBB Std. 68 °F
Office Work	Surveyed by J.H. Brown
Checked	Notes J.H.B. Date 9-65
Date	Indexed C. J. GALLI

F.B. 3321 PG. 21



1)	163	47	00
4)	295	07	30
6)	262	41	30
Avg	163	46	55

439.31 (T=84) Lev = 439.36' } 439.36'
439.32 (T=84) Lev = 439.37'

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.

RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3098 CE #247—3-57

F. B. 3321 Pg. 22

235.94 Lev (T=74°) = 235.95 } 235.95
235.95 Lev (T=74°) = 235.96 }

RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

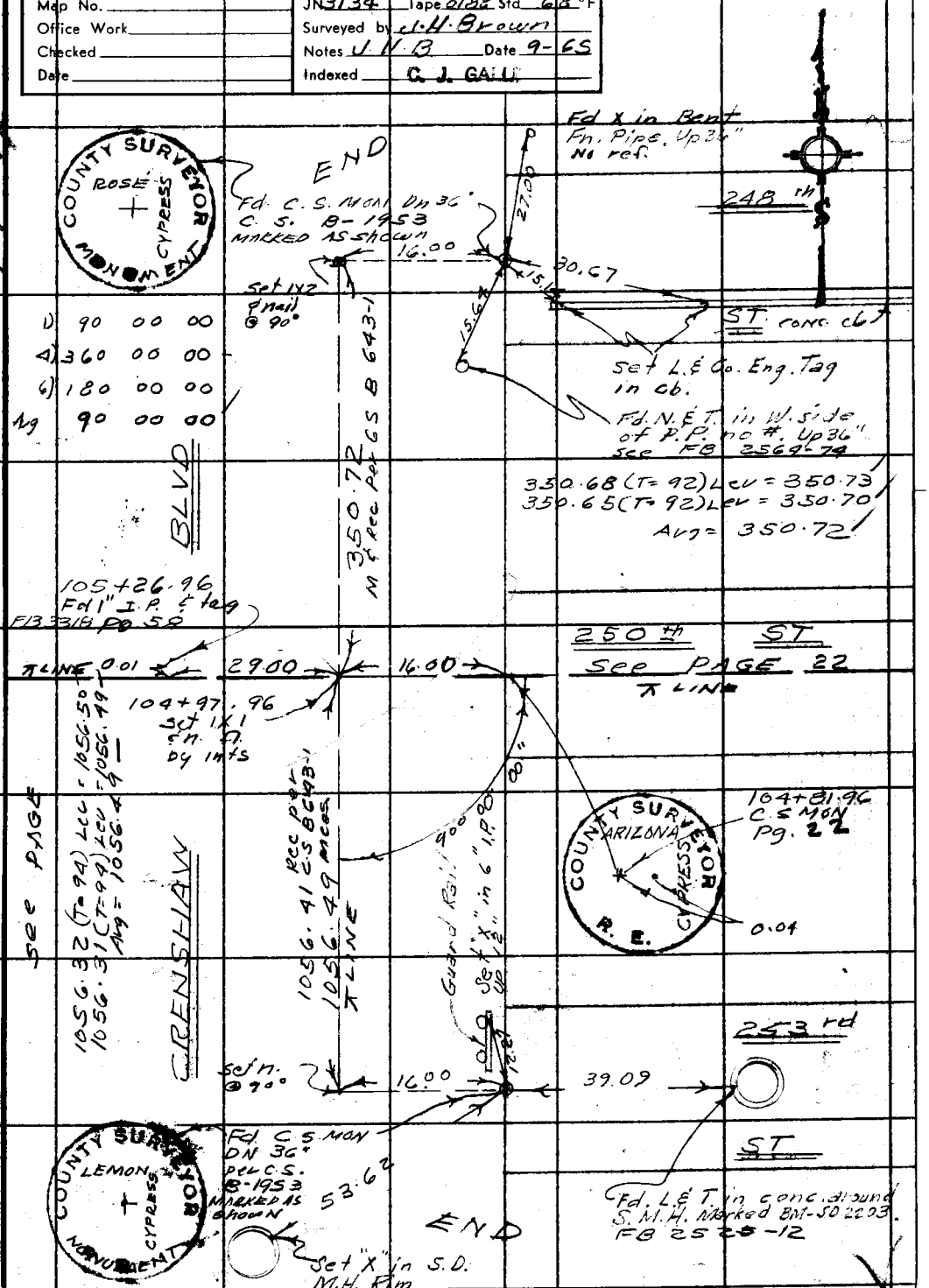
Do not extend notes this side of this line.

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

Notes Ck'd by M. ASHLEY	Survey of LOMITA RELIEF SD RELIEF PROD No 1104
Map No.	JN 3134 Tape 0188 Std 68 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. N. B. Date 9-65
Date	Indexed C. J. GALLI

F. B. 3321 PG. 23

W5.27 E-2



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.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

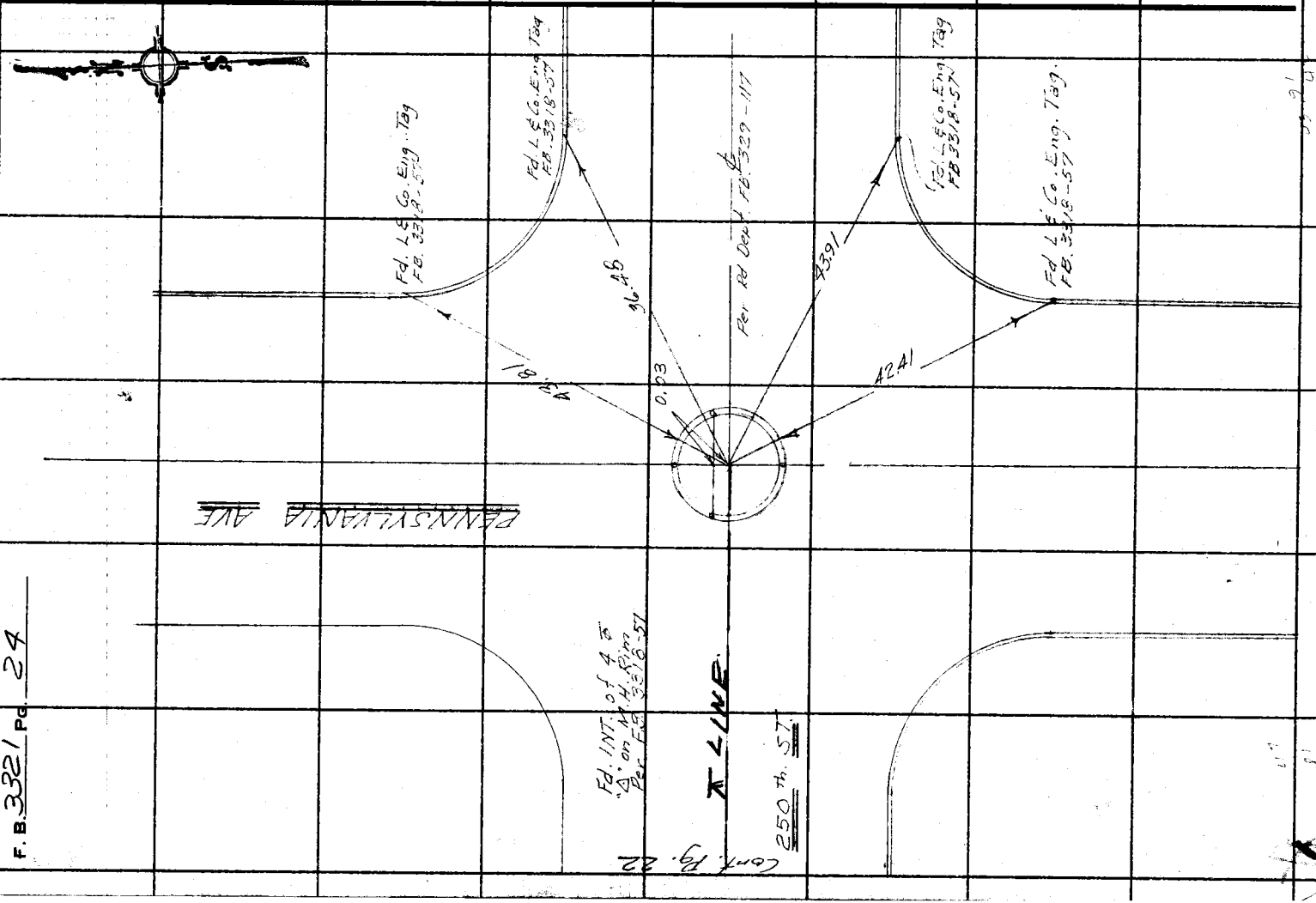
76F309S CE # 310 3-61

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

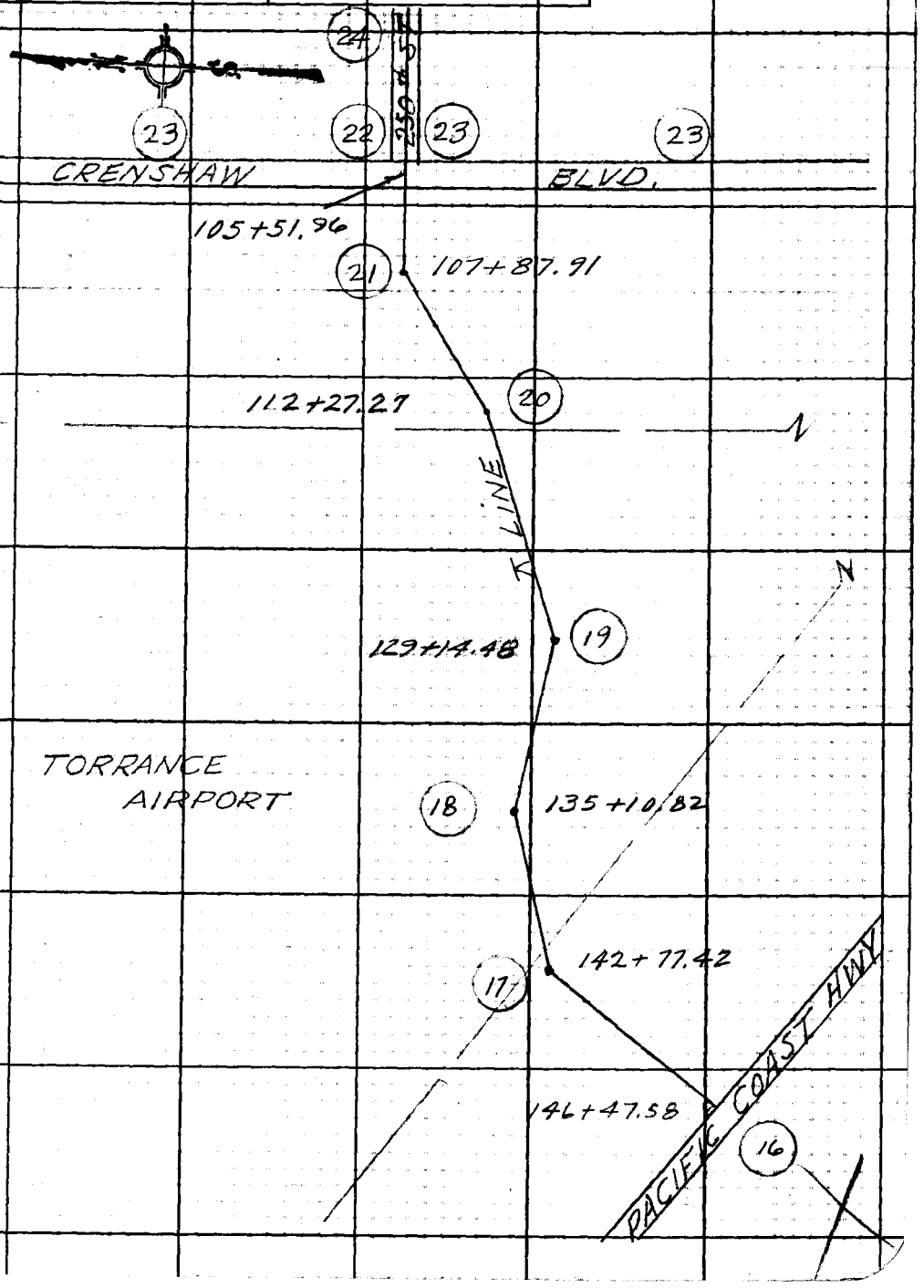
Do not extend this side of this line.

HS 27 E-2



F.B. 3321 Pg. 24

Notes Ck'd by M. ASHLEY	Survey of Lomita Relief SD Proj # 1004	F. B. 3321 Pg. 25
Map No.	~~JN 3134.01~~ Tape 0188 Std 68 °F	INDEX
Office Work	Surveyed by J Brown	
Checked	Notes E.S. Date 10-65	
Date	Indexed C. J. GALLI	



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.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 1-65

Notes Ck'd by	Survey of S.D. Proj #1104	F. B. 3321	Pg. 33
Map No.	JN 3134.01 Tape — Std — °F		
Office Work	Surveyed by J. H. BROWN		
Checked	Notes C. E. Shoemaker Date 10-65		
Date	Indexed C. J. GALLI		

J.N. 3134.01
LOMITA RELIEF S.D. PROJ #1104.
LOCATING IMPROVEMENTS

ALONG TRANSIT LINE FROM E. EAST SIDE of CRENSHAW BLVD (Pg) \N'ly to PACIFIC COAST HWY (Pg).

Oct 1965

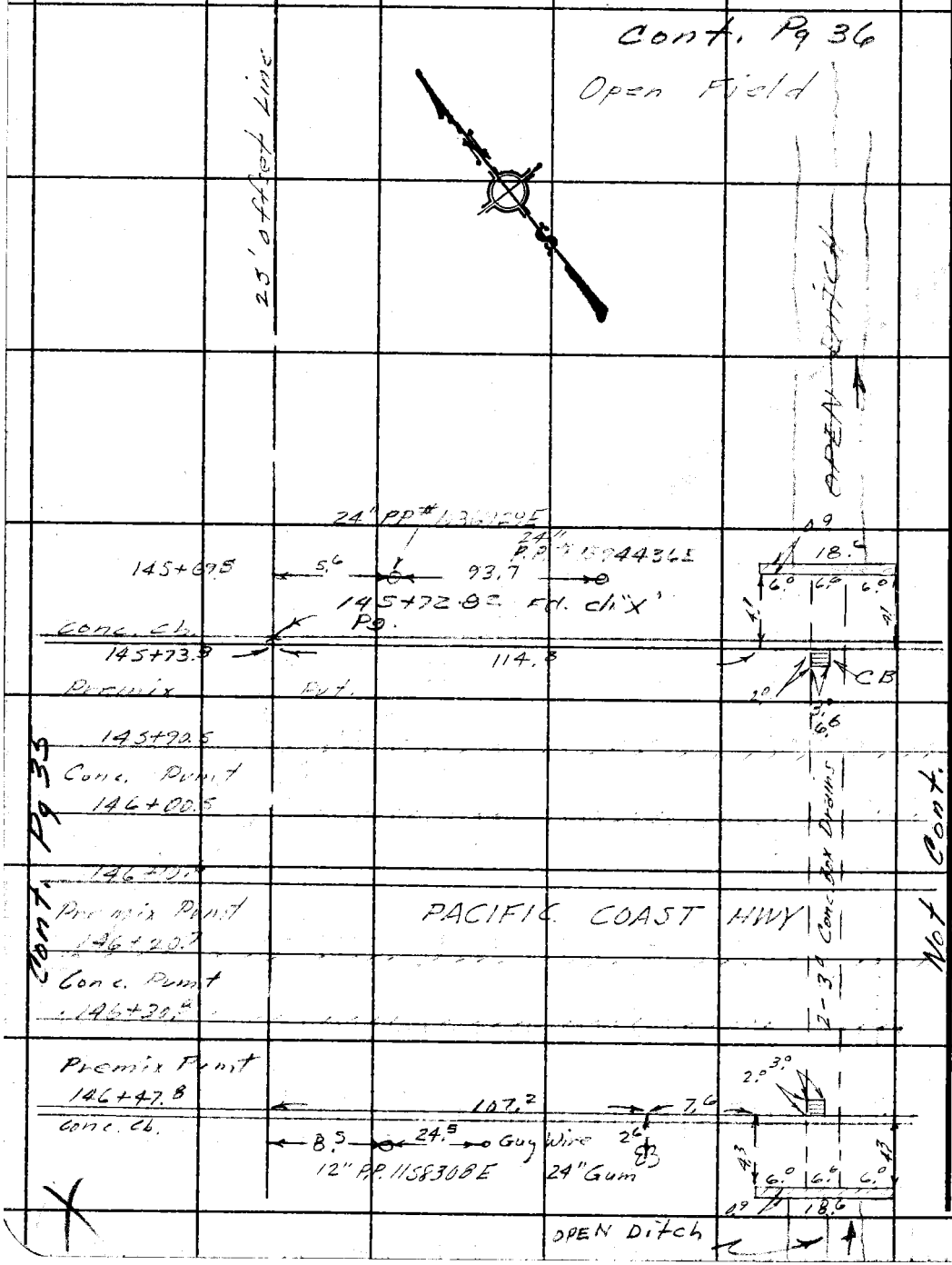
Party
J. H. Brown
C.E. Shoemaker
E. J. Rodriguez
I. Alvarez

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

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.

75F3095 CE # 310 3-61

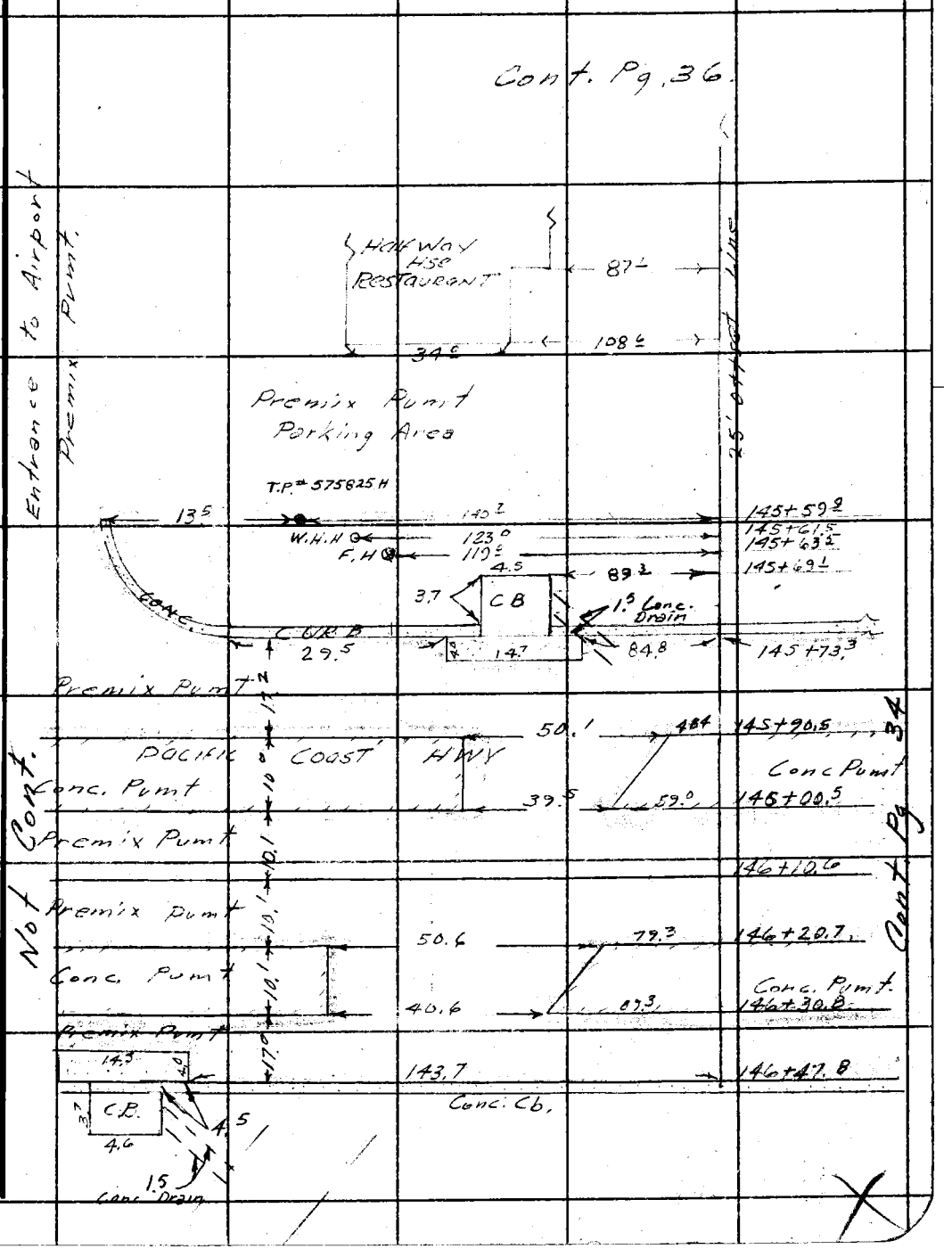
F. B. 3321 PG. 34



PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 Los Angeles County Engineering Bldg.
Do not extend this side of this line.

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

Notes Ck'd by	Survey of Lomita Relief S.D. Proj. #1104	F. B. 3321 Pg. 35
Map No.	JN 134.01 Tape 0188 Std 68 °F	
Office Work	Surveyed by J. Brown	
Checked	Notes E.S. Date 10-14-65	
Date	Indexed C. J. GALLI	



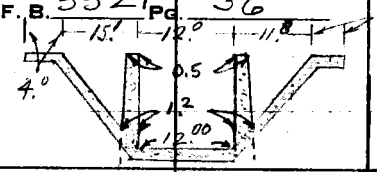
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

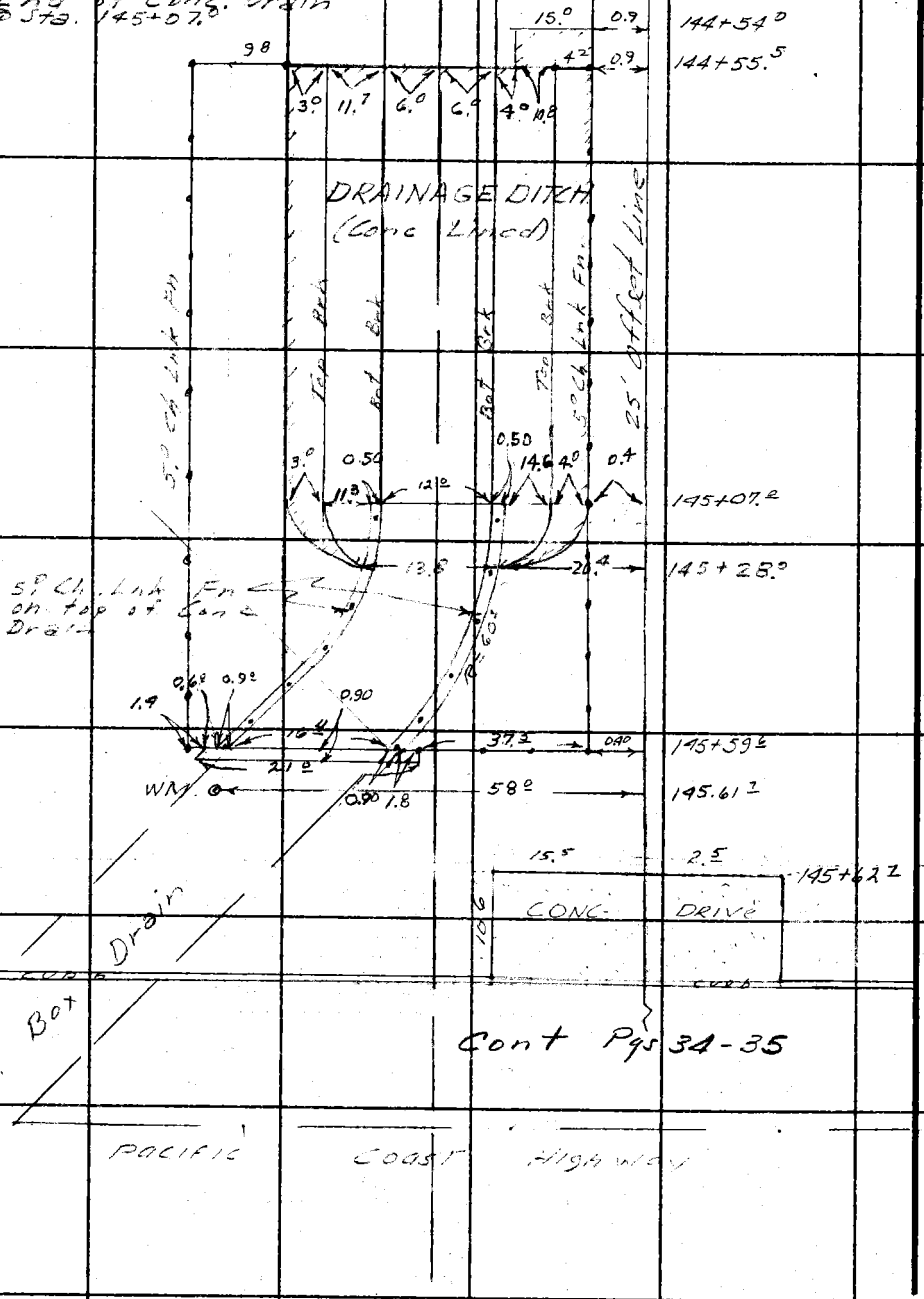
76F3095 CE # 310 3-61

F.B. 3321 Pg. 36



Cont. Pg. 37

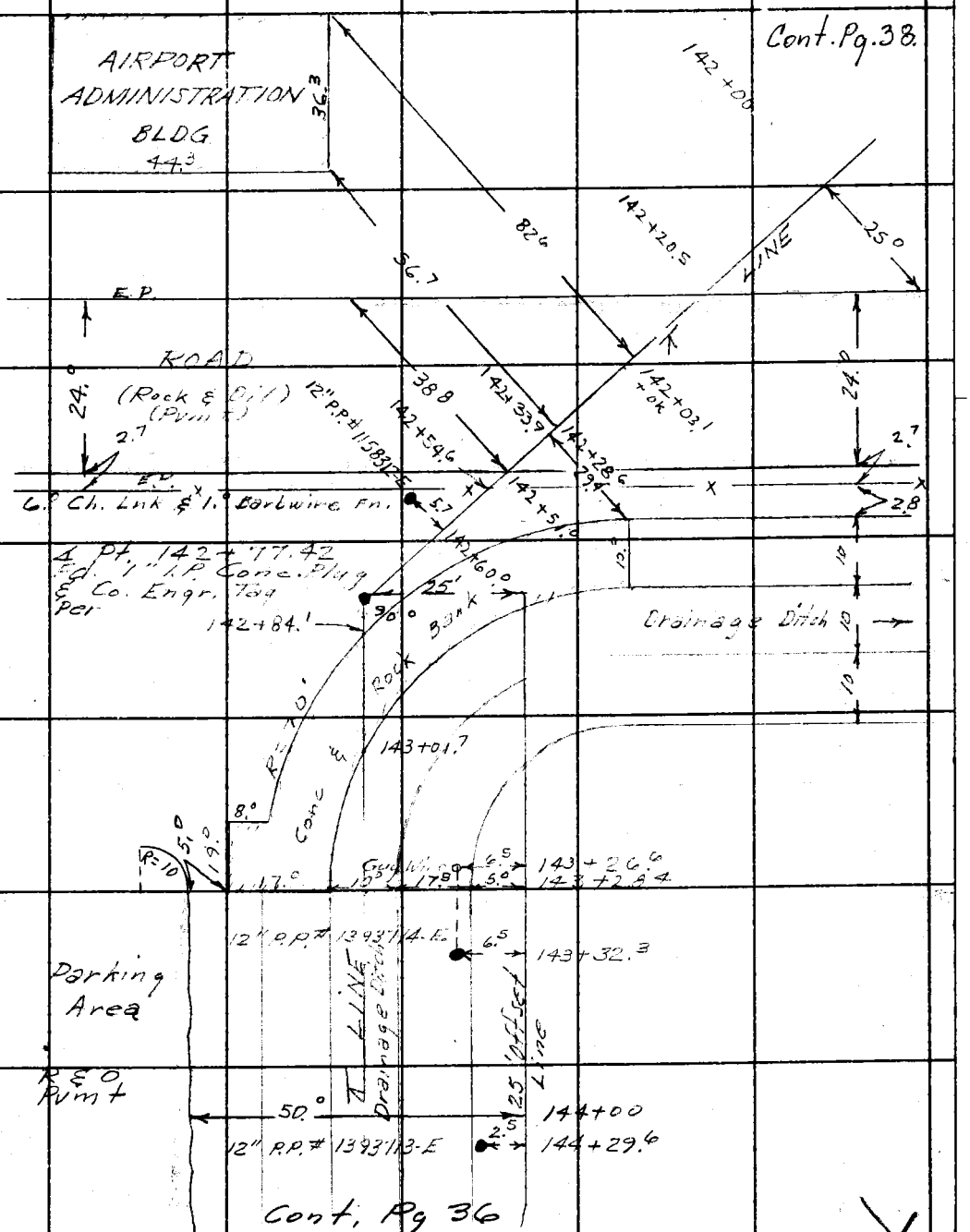
N. End of Conc. Drain
@ Sta. 145+07.8



PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 Los Angeles County Engineering Bldg.
Do not extend this side of this line.

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

Notes Ck'd by	Survey of Lomita Relief S.D. Proj 1124	F. B. 3321 Pg. 37
Map No.	JN 3134.01 Tape 0188 Std 66 °F	
Office Work	Surveyed by J. Brown	
Checked	Notes E. Shoemaker Date [illegible]	
Date	Indexed C. J. GALLI	



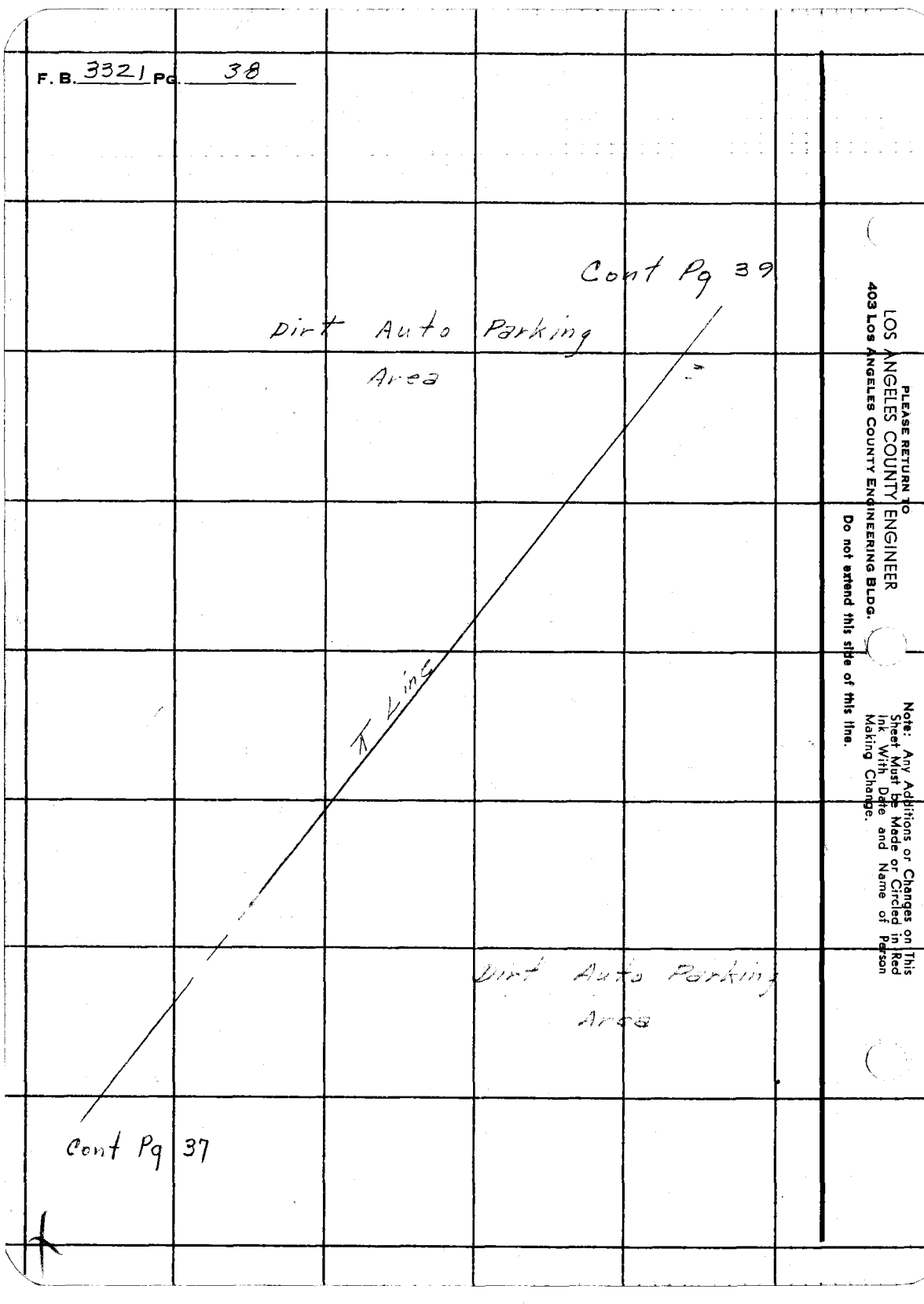
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE # 310 3-61

F. B. 3321 PG. 38

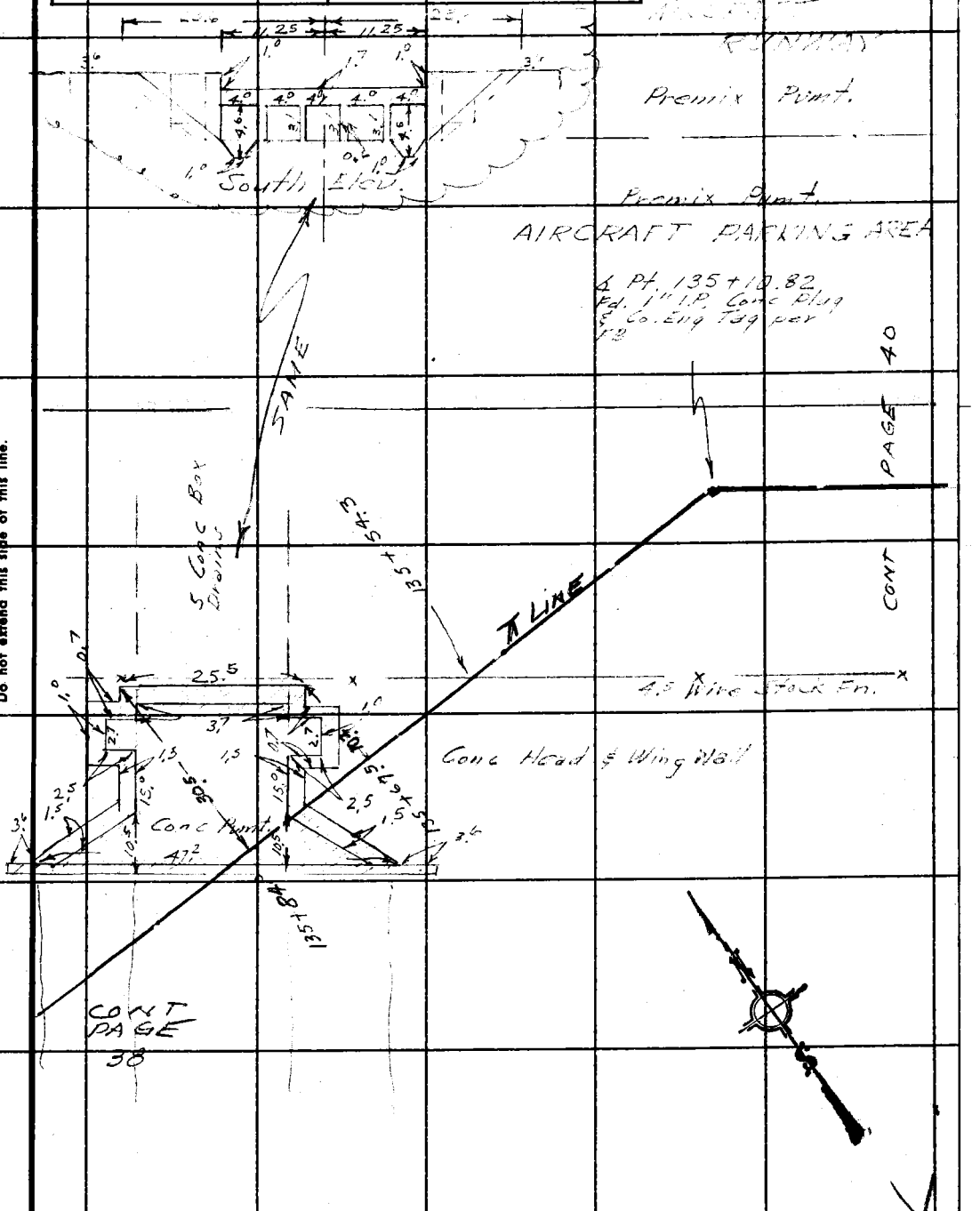


PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 Los Angeles County Engineering Bldg.

Do not extend this side of this line.

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

Notes Ck'd by	Survey of Lomita Relief S.D. Proj #1104	F. B. 3321 PG. 39
Map No.	JN 3134.[illegible] Tape [illegible] Std [illegible] °F	
Office Work	Surveyed by [illegible] Brown	
Checked	Notes [illegible] Date [illegible]	
Date	Indexed C. J. GALLI	



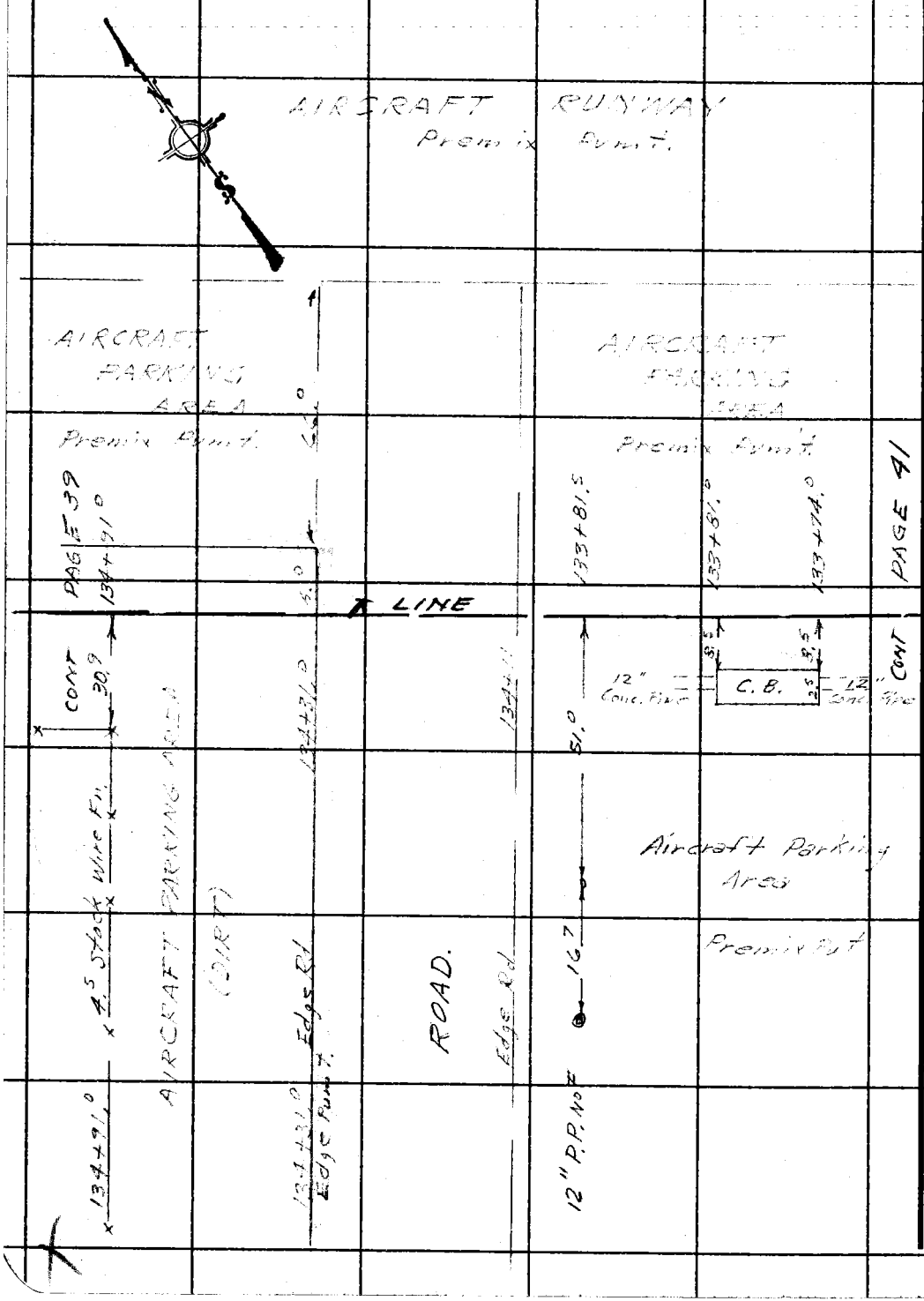
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3095 CE # 310 3-61

F. B. 3321 Pg. 40

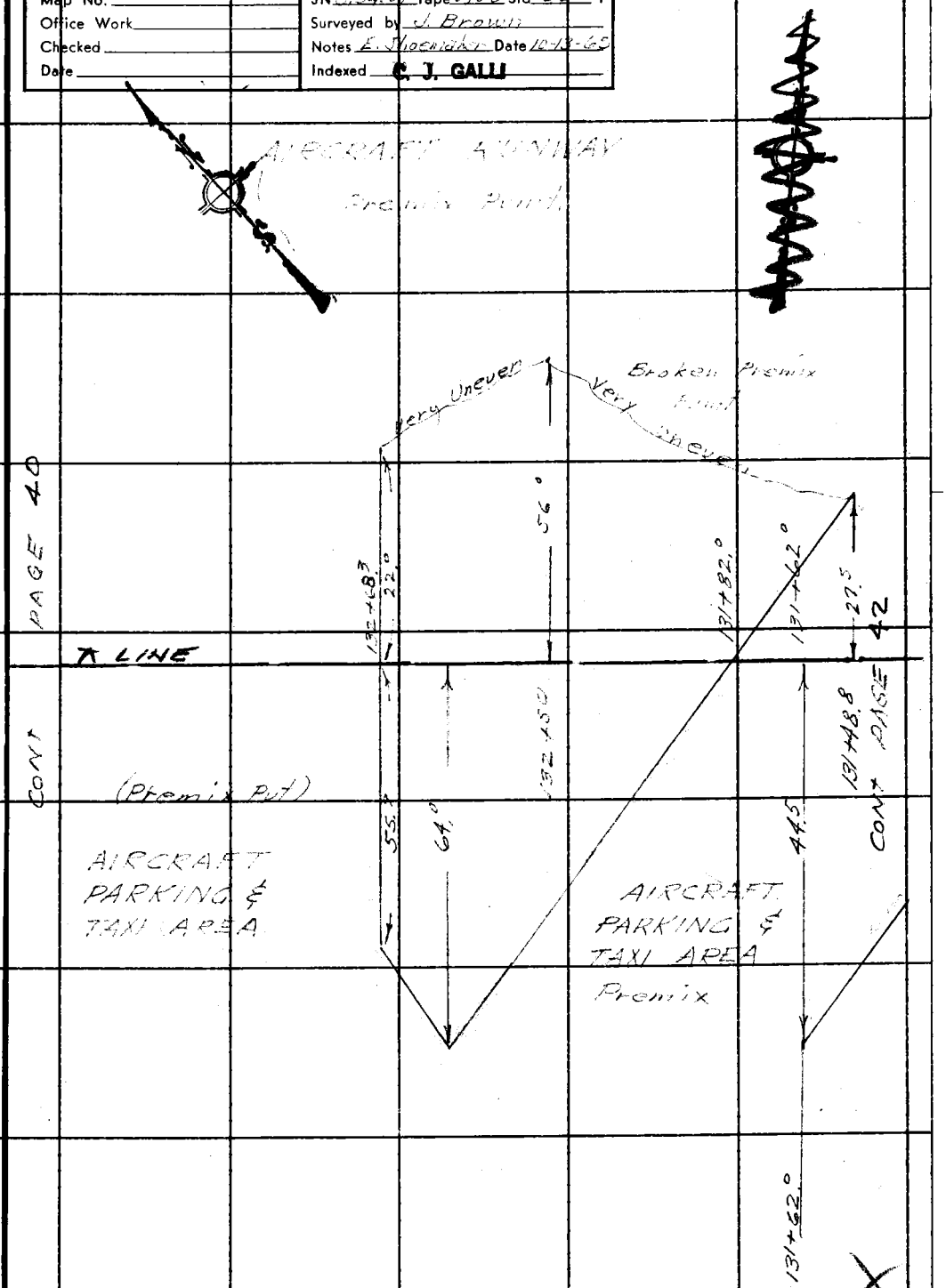


PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend this side of this line.

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

Notes Ck'd by	Survey of Lomita Relief S.D. Proj # [illegible]	F. B. 3321 Pg. 41
Map No.	JN [illegible] Tape C188 Std 68 °F	
Office Work	Surveyed by J. Brown	
Checked	Notes E. Shoemaker Date 10-13-65	
Date	Indexed C. J. GALLI	



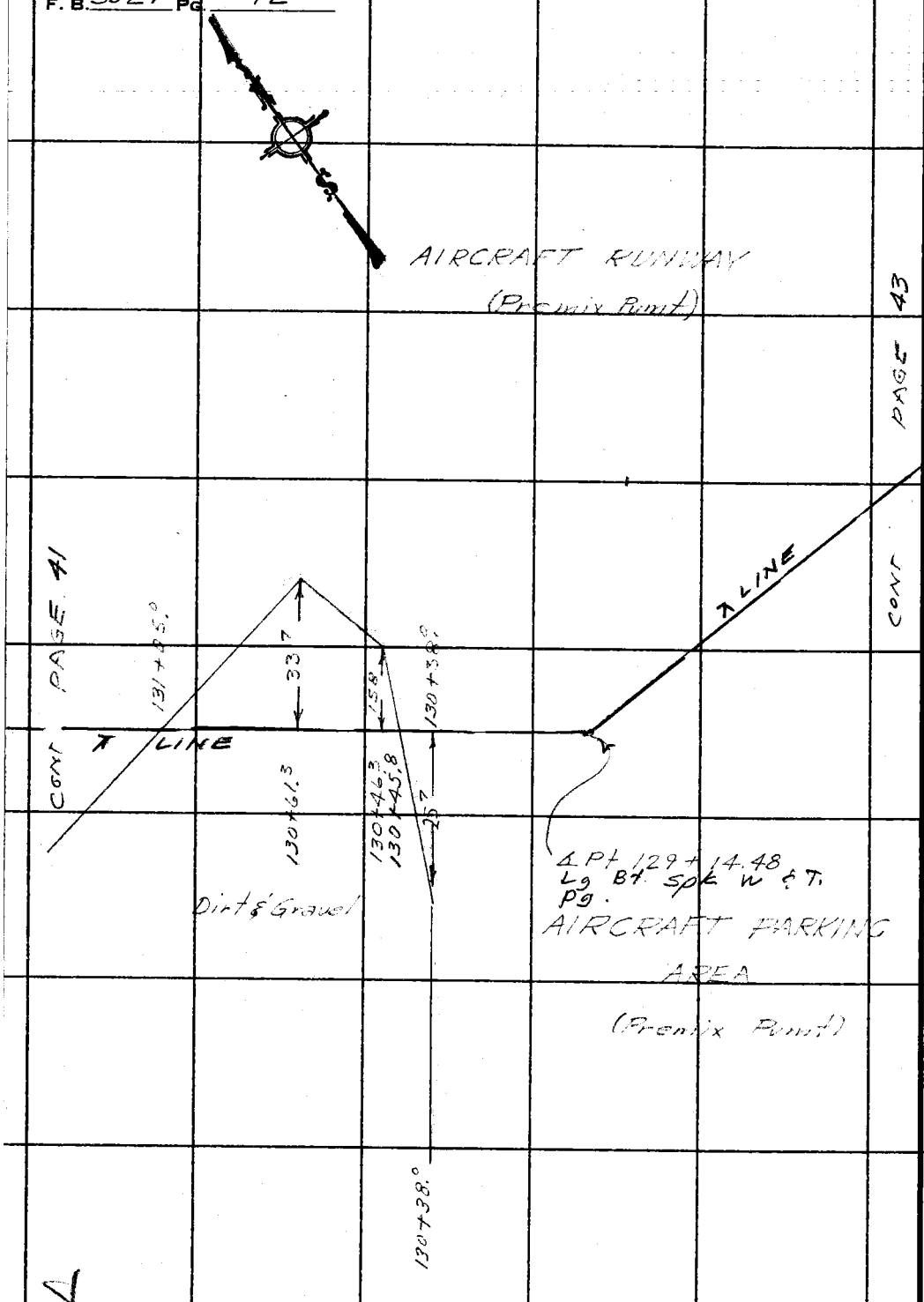
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE # 310 3-61

F. B. 3321 PG. 42



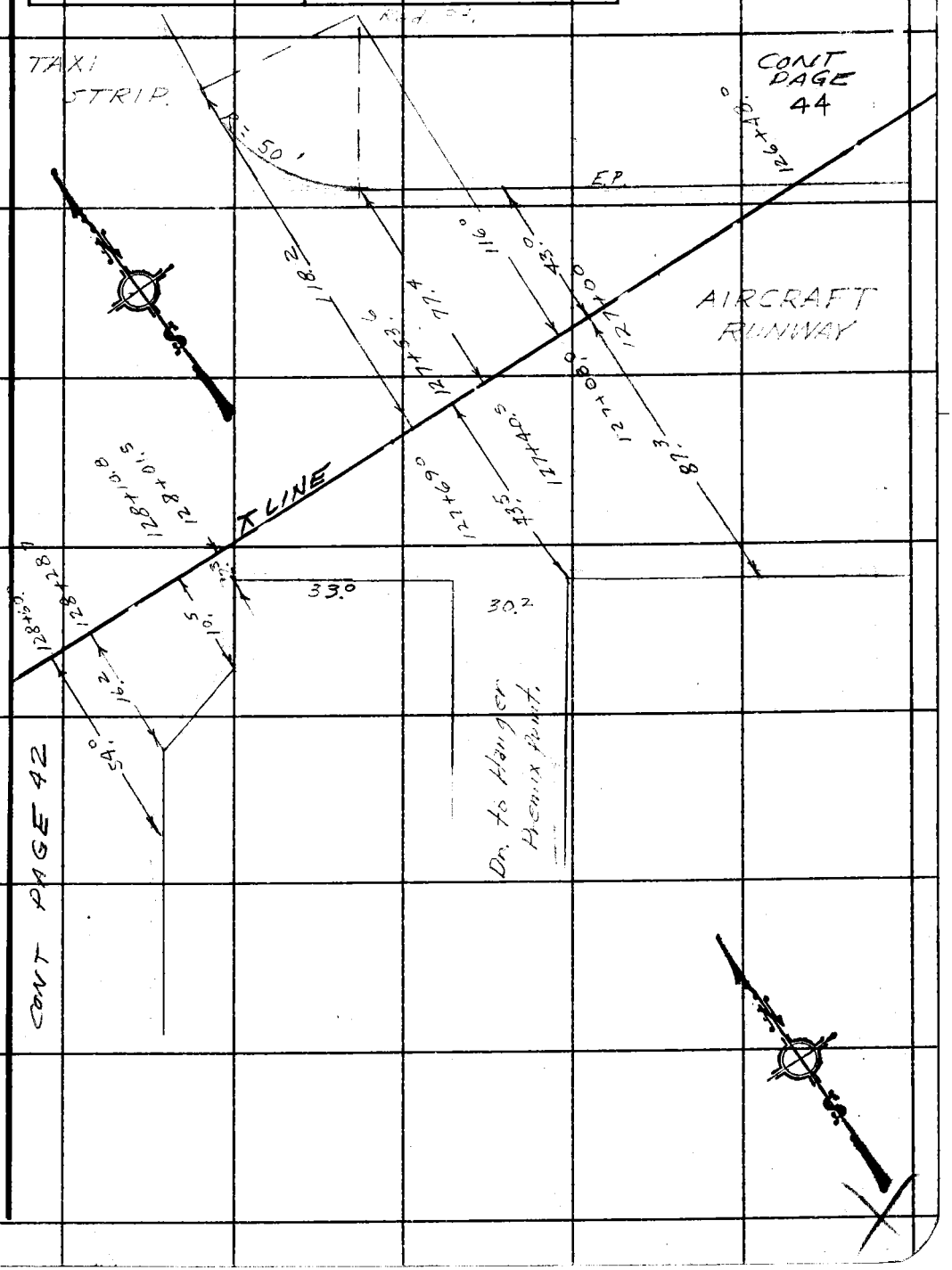
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend this side of this line.

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

Notes Ck'd by	Survey of Lomita Relief SD Proj #1104
Map No.	JN 3134.01 Tape 0155 Std 65 °F
Office Work	Surveyed by J. Brown
Checked	Notes E.S. Date 10-7-65
Date	Indexed C. J. GALLI

F. B. 3321 PG. 43



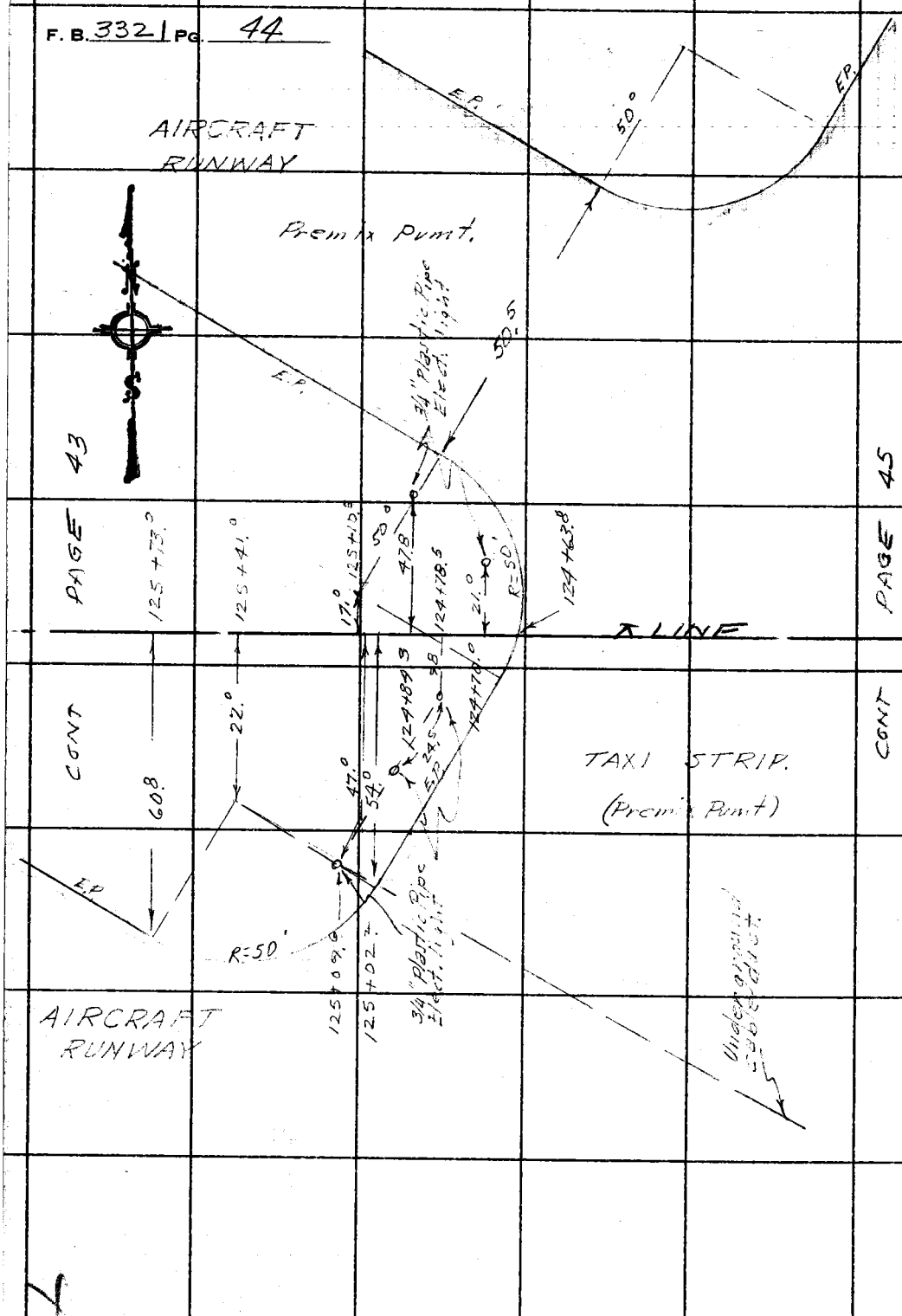
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend this side of this line.

76F309S CE # 310 3-61

F. B. 3321 PG. 44

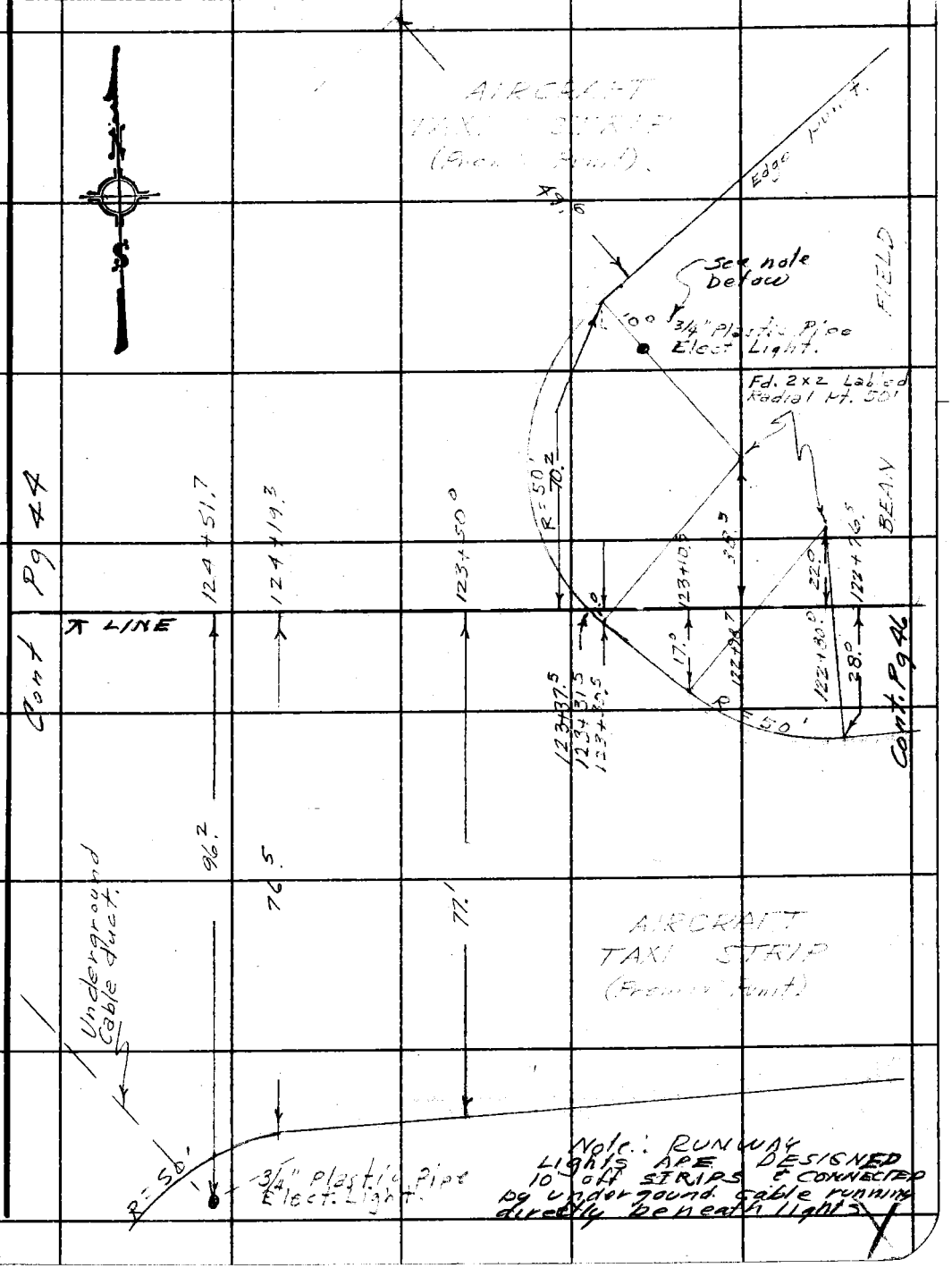


PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend this side of this line.

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

Notes Ck'd by	Survey of Lomita Relief SD. Proj #1104	F. B. 3321 Pg. 45
Map No.	JN 3134.01 Tape 0188 Std 68 °F	
Office Work	Surveyed by J. Brown	
Checked	Notes E. S. Date 10-7-65	
Date	Indexed C. J. GALLI	



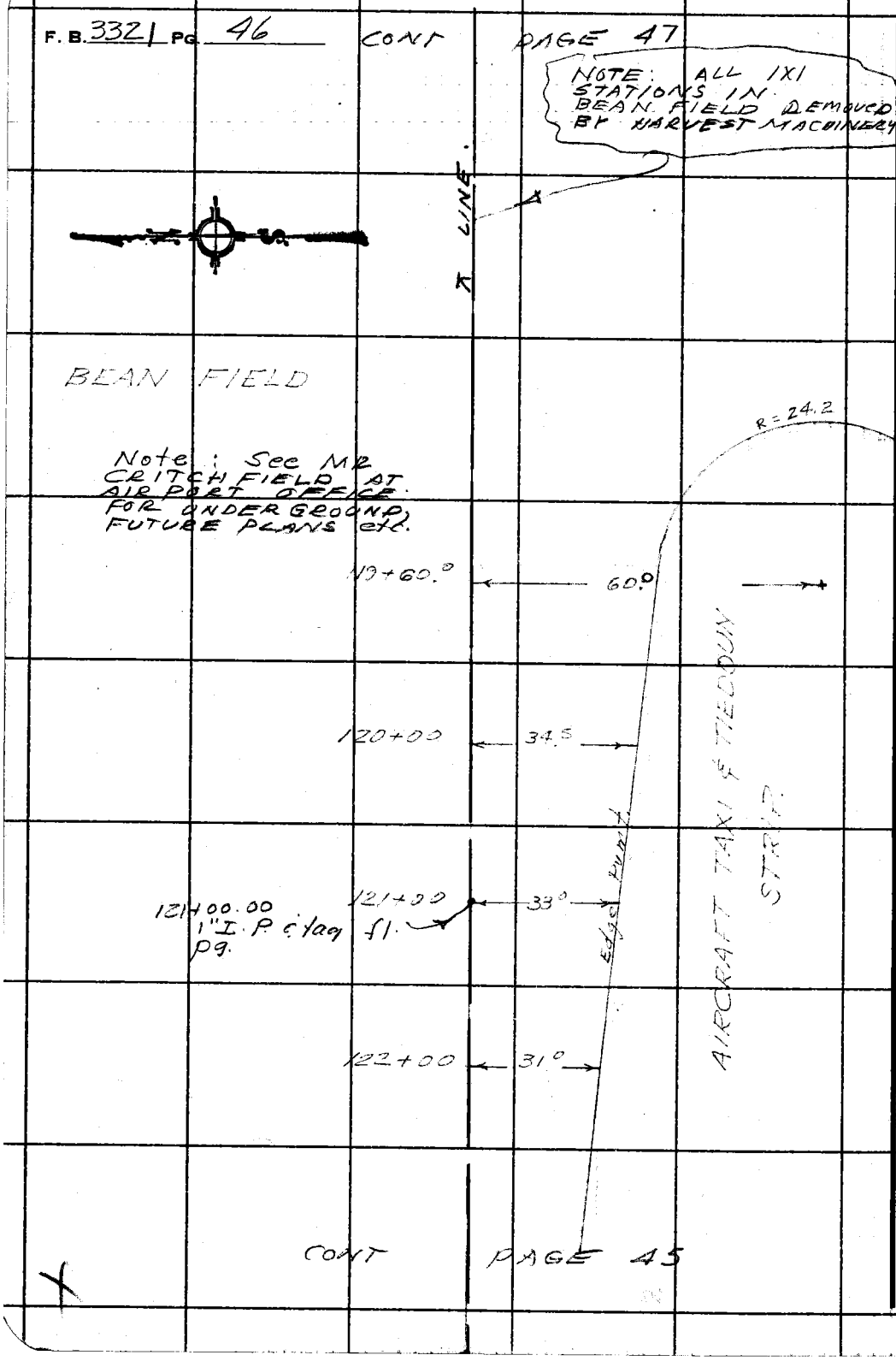
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE # 310 3-61

F. B. 3321 PG. 46 CONT PAGE 47



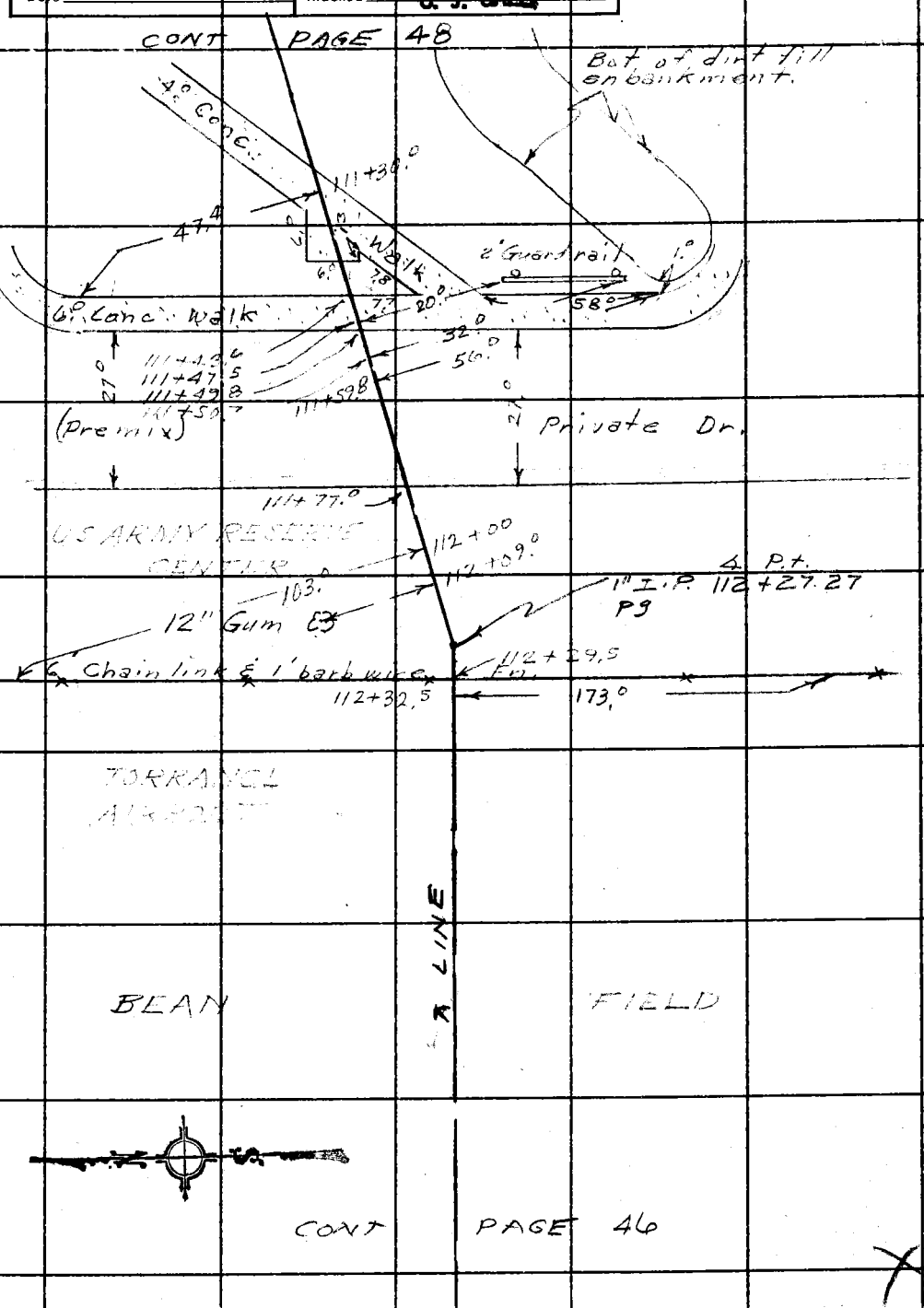
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend this side of this line.

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

Notes Ck'd by	Survey of Lomita Relief S.D. Proj #1104
Map No.	JN 3134.01 Tape 0188 Std 68 °F
Office Work	Surveyed by J. Brown
Checked	Notes E.S. Date 10-7-65
Date	Indexed G. J. GALLI

F. B. 3321 PG. 47



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

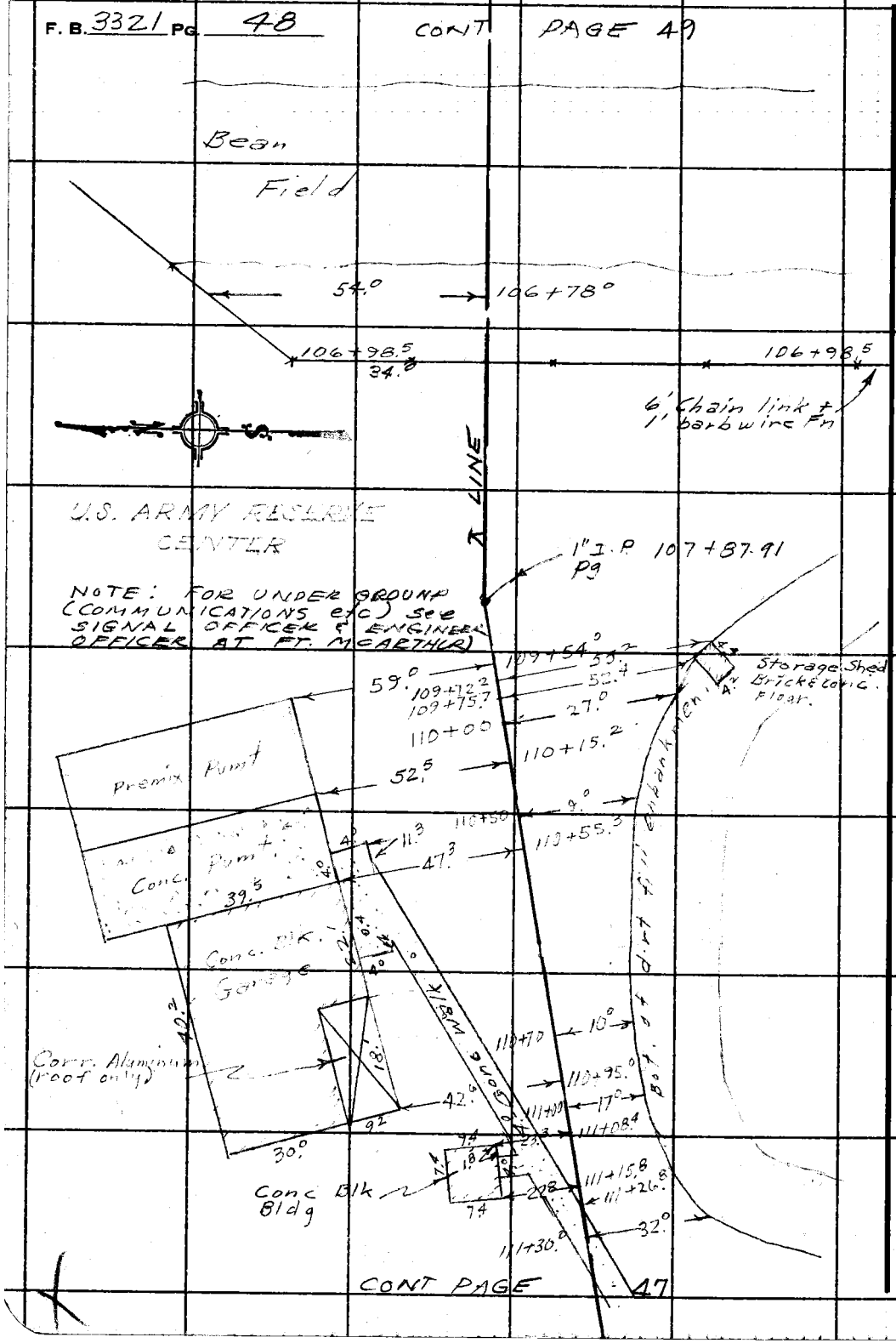
Do not extend this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE # 310 3-61

F. B. 3321 PG. 48

CONT PAGE 49



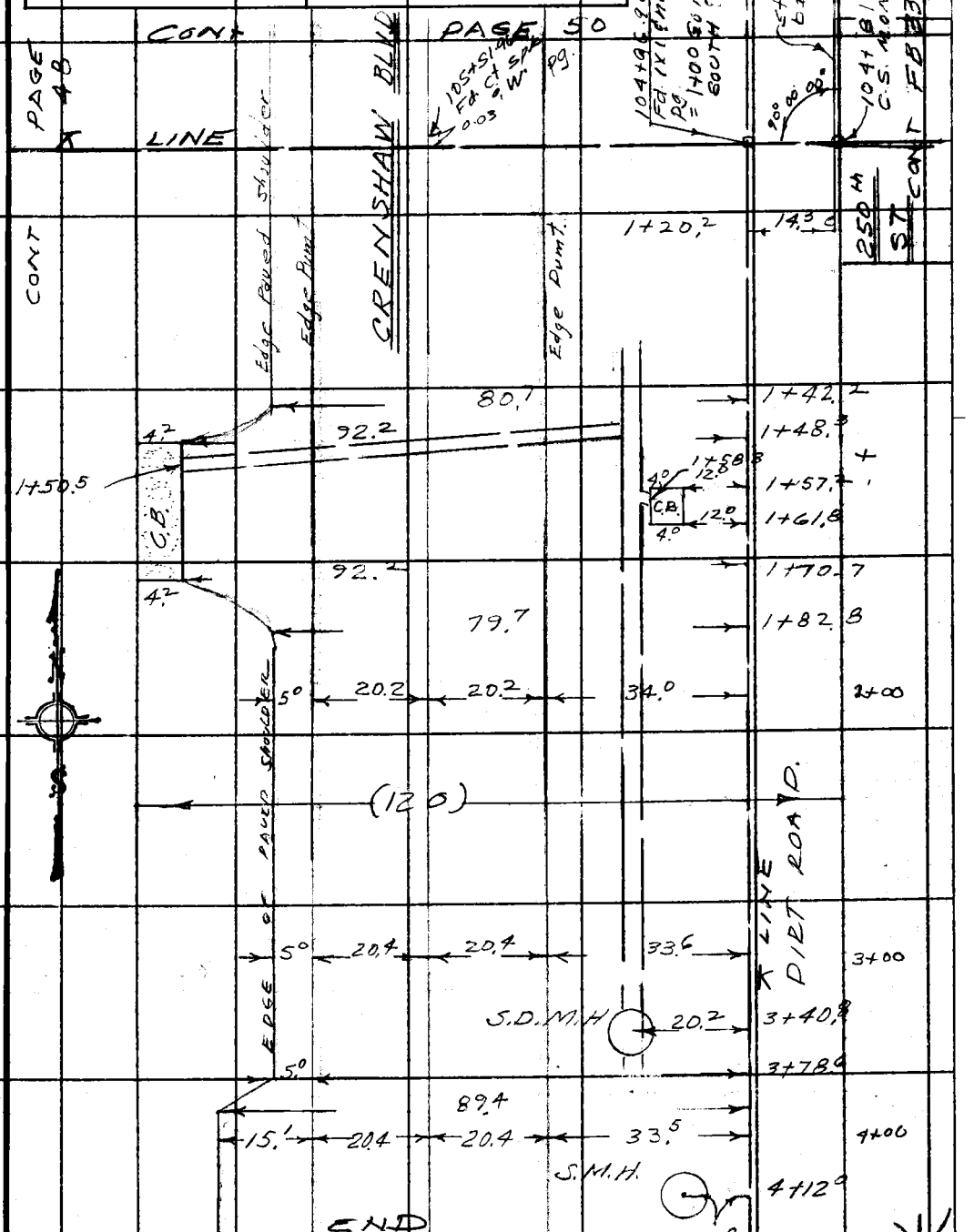
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 Los Angeles County Engineering Bldg.

Do not extend this side of this line.

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

Notes Ck'd by	Survey of LOMITA RELIEF SD RELIEF RRGL 1104
Map No.	JN 313401 Tape — Std — °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B. Date 10-65
Date	Indexed C. J. GALL

F. B. 3321 PG. 49



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.

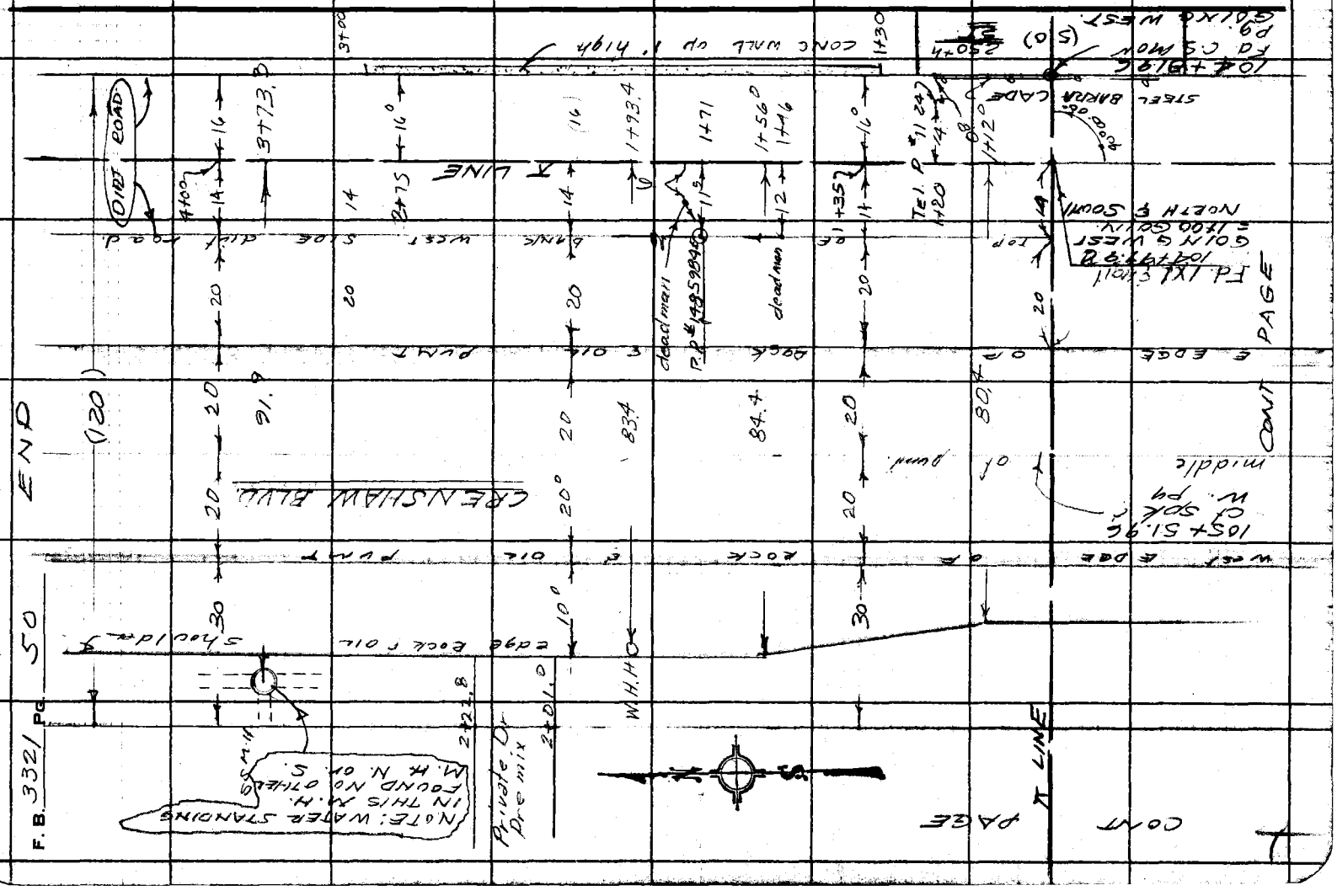
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE # 310 3-61

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend this side of this line.



Profile No. | Notes Red | Plotted | Job No. 3134.01 | Division No. 11 | F.B. 3321 Pg. 51

Date | Date | Survey of Lomita Relief S.D. Proj # 1104

X-Sec. No. | Notes Chkd. | Checked | Survey by J. Brown | Notes E.C. | Date 12-15-65

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

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

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

Do not extend notes this side of this line.

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

LOMITA RELIEF
STORM DRAIN
PROJ. # 1104

J. N. 3134.01

Location of Improvements

Oct. 15, 1965

J. Brown
E Shoemaker
R Rodriguez
I Alvarez
R Clifford

76-1-298 CE 307 2-63

76-1-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Profile No. ____ Notes Red ____ Plotted ____ Job No. 3434.01 Division No. 11
X-Sec. No. ____ Date ____ Date ____ Survey of Lomita Relief SD, Rej #1104
Notes Chkd. ____ Checked ____ Survey by K. Brown Notes E.S. Date 12-15-65
Date ____ Date ____ Map No. ____ Index C. J. Gatti Date ____

F.B. 3321 / Pg. 53

STATION	B. S.	H. I.	F. S.	ELEV.	LEFT (EAST) CRENSHAW BLVD	RIGHT (WEST)
0+35 S				83.4	26' L Brk	
				82.4	30.5' L Bot brk.	
				83.3	35.' L Top brk	
				84.2	50.' L P/L	
0+85 S				84.64		℄ Crenshaw Blvd
				84.51		10' R w/4
				84.26		20' R E.P.
				84.0		25' R Bot brk
				84.8		27' R Top brk
				85.2		50' R P/L
				84.50	10' L w/4	
				84.07	20' L E.P.	
				83.6	33' L Bot brk	
				84.2	42' L Top brk	
				84.5	50' L P/L	
1+85 S.				85.59		℄ Crenshaw Blvd
				85.47		10' R w/4
				85.13		20' R E.P.
				85.1		25' R Bot brk
				86.10		29' R Top brk
				86.14		50' R P/L

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	CRENSHAW BLVD LEFT (EAST)	RIGHT (WEST)
1+85 S.				85.37	10' L W/4	
				85.00	20' L E.P.	
				84.5	38' L Bot brk	
				85.7	43' L Top brk	
				85.6	50' L P/L	
EINTS CRENSHAW BLVD & 250th S (105+51.90) = 1+00 GOING NORTH ON CRENSHAW (RIGHT EAST)						
0+35 N				85.53	LEFT (WEST)	℄ Crenshaw Blvd.
				83.38		10' R W/4
				83.00		20' R E.P.
				82.7		27' R Top brk.
				81.6		30' R Bot brk
				83.0		35' R Brk
				83.9		45' R Top brk
				83.5		50' R P/L
				83.46	10' L W/4	
				83.06	20' L E.P.	
				83.00	28.5' L Edge R&O.	Shoulder.
				84.2	33.' L Top brk	
				84.3	50' L P/L	
0+85 N				83.12		℄ Crenshaw Blvd.
				82.91		10' R W/4
				82.45		20' R E.P.

F.B. 3321 Pg. 54
Job No. 3134.01 Division No. 11 Notes Red Plotted Profile
Survey of Lomita Relief S.D. Proj #1104 Date Date No. X-Sec.
Survey by J. Brown Notes E. Shoemaker Notes Chkd. Checked Date No.
Indexed C. J. GALL Date Date

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LEFT (WEST)	RIGHT (EAST)
0+85 N				82.1		23 'R Brk
				80.8		30 'R Bot brk
				81.8		33 'R Brk
				83.8		50 'R P/L
				82.99	10 'L W/A	
				82.65	20 'L E.P.	
				82.41	30.5 'L Edge R&O	Shoulder
				82.3	33.5 'L Bot brk	
				83.6	42. 'L Top brk	
				83.6	50 'L P/L	
1+35 N				82.12		℄ Crenshaw Blvd
				82.00		10 'R W/A
				81.65		20 'R E.P.
				81.2		23 'R Brk
				79.7		30 'R Bot brk
				80.9		32 'R Brk
				82.5		39 'R Top brk
				82.6		50 'R P/L
				81.97	10 'L W/A	
				81.63	20 'L E.P.	
				81.50	30 'L Edge R&O	Shoulder

Profile Notes Red Plotted Job No. 3134 01 Division No. 11
No. Date Date Survey of Lomita Relief S.D. Proj. #1104
X-Sec. Notes Chkd. Checked Survey by L. Brewer Notes E.J. Date 10-15-65
No. Date Date Map No. Indexed C. J. GALLY Date

F.B. 3321 Pg. 55

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LEFT (WEST)	RIGHT (EAST)
1+85 N.				82.1	33' L Top brk	
				82.7	50' L P/L	
GOING W'ly ON TRANSIT LINE						
					LEFT (SOUTH)	RIGHT (NORTH)
105+62.0				83.75		⊼ Line ℄ Prod. 250th ST.
105+72.0				83.42		" "
105+77.0				83.30		" "
106+83.0				84.2		" "
106+00				84.5		" "
				84.1		30' R
				84.7	30' L	
107+00				81.16	℄ 1X2 T.P. LEFT SE	⊼ Line ℄ Prod 250th ST RIGHT NW
				85.1		30' R
				85.5	30' L	
108+00				86.5		⊼ Line
				86.0		30' R
				86.1	30' L	
109+00				89.82		⊼ Line
				89.4		30' R
				89.9	30' L	

F.B. 3321 PG. 56

Job No. 3134.01 Division No. 11 Notes Red Plotted Profile

Survey of Lomita Relief S.D. Proj #1104 Date Date No. X-Sec.

Survey by Notes Notes Chkd. Checked

Indexed C. J. GALLI Date Date No.

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Profile No. _____ Notes Red. _____ Plotted _____ Job No. 3134.01 Division No. 11
X-Sec. No. _____ Date _____ Date _____ Survey of Lomita Relief S.D. Proj. #1184
Notes Chkd. _____ Checked _____ Survey by J. Brown Notes Entd. _____ Date 10-15-65
Date _____ Date _____ Map No. _____ Indexed _____ Date _____

F.B. 3321 Pg. 57

STATION	B. S.	H. I.	F. S.	ELEV.	LEFT (SOUTHEAST) ℄ Line	RIGHT (NORTHWEST)
110+00				93.3	℄ Line	
				72.3		30' R
				75.1	30' L	
110+30				93.8	℄ Line	
				92.8		30' R
				94.6	12' L Toe of slope	
				102.6	30' L Top " "	
110+60				93.8	℄ Line	
				92.8		30' R
				93.7	7' L Toe of slope	
				102.4	27.8 L Top " "	
				102.4	30' L	
110+86				93.6	℄ Line	
				93.2		30' R
				94.0	13' L Toe of slope	
				102.4	30' L " " "	
111+00				93.7	℄ Line	
				93.2		30' R
				94.2	14' L Toe of slope	
				100.0	30' L Side slope.	

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LEFT (SOUTHEAST) ⊼ LINE	RIGHT (NORTHWEST)
111 + 30.3				93.50	⊼ Line	ctr conc. walk
111 + 38.1				93.37		30' R Ctr conc walk
111 + 43.6				93.42	⊼ Line	edge " "
111 + 46.7				93.43	" "	ctr " "
111 + 49.8				93.45	⊼ Line edge	conc walk & E.P.
111 + 54.8				92.82		30' R Ctr Priv Rd.
111 + 55.3				93.39	30' L Ctr conc walk	
111 + 63.4				92.82	⊼ Line	ctr Rd.
111 + 72.0				92.88	30' L. Ctr. Rd.	
111 + 77.0				92.20	⊼ Line	E.P.
111 + 82.0				91.7	"	" Bot brk
111 + 88				94.5	"	" Top "
112 + 00				94.6	⊼ Line	
				94.2		30' R
				94.9	30' L	
112 + 27.27	4 pt			95.0	~~LEFT (S)~~ ⊼ Line	~~RIGHT (N)~~
113 +				95.6	⊼ Line	
				95.4		30' R
				95.8	30' L	
114 +				95.6	⊼ Line	
115 +				95.1	⊼ Line	

F.B. 3321 Pg. 58

Job No. 3134.01 Division No. 11 Notes Red Plotted Profile

Survey of Lomita Relief S.D. Proj #1104 Date Date No. X-Sec.

Survey by J. Brown Notes E. Shoemaker Notes Chkd. Checked Date No.

Indexed C. J. GALLI Date Date

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LEFT (SOUTH)	RIGHT (NORTH)
116+00				97.3		℄ Line
				96.0		30' R
				98.5	30' L	
117+00				100.0		℄ Line
118+00				101.2		℄ Line
119+00				102.0		℄ Line
				101.3		30' R
				102.9	30' L	
120+00				103.4		℄ Line
121+00				104.1		℄ Line
122+00				104.1		℄ Line
				104.1		30' R
				104.97	31' L Edge Pvmt. & Gnd.	
122+76.5				104.3		℄ Line
				104.99	28' L Edge Pvmt & Gnd.	
123				104.5		℄ Line
123+31.5				104.96		℄ Line Edge Pvmt & Gnd.
123+47.5				105.19		℄ Line
				105.11	30' Edge Pvmt & Gnd.	
124+00				106.34		℄ Line Pvmt
				106.10		30' R Pvmt

Profile Notes Red ____ Plotted ____ Job No. 3134.01 Division No. 11
No. ____ Date ____ Date ____ Survey of Lemita Relief S.D. Proj. #11104
X-Sec. ____ Notes Chkd. ____ Checked ____ Survey by Hathaway Notes Enf. Date 12-15-65
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F.B. 3321 Pg. 59

76-L-298 CE 307 2-63

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

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

Do not extend notes this side of this line.

F.B. 3321 Pg. 60 | Job No. 3134.01 Division No. 11 Notes Red Plotted Profile
Survey of Lomita Relief S.D. Proj #1104 Date Date No. X-Sec.
Survey by L. Brown Notes E.S. Notes Chkd. Checked
Indexed E. J. GALLI Date Date Date No.

STATION	B.S.	H.I.	F.S.	ELEV.	LEFT (S.)	RIGHT (N.)
124+00				106.16	30' L Pumt	
124+63.0				106.95		℄ Line Edge Pumt
				106.39		35' R Edge Pumt
124+82.3				106.4		℄ Line
				107.41	30' L Edge Pumt & Gnd.	
125+00				106.4		℄ Line,
				105.8		30' R
				107.2	30' L	
125+50				107.8		℄ Line
126+00				108.4		℄ Line
				108.2		30' R
				109.0	38.8 L Gnd	
				109.32	38.9 L Edge Pumt.	
126+48.0				109.13		℄ Line Edge Pumt
127+00				109.37		℄ Line Pumt
128+00				109.35		℄ Line Pumt
128+43.0				108.99		℄ Line Pumt
129+00				109.77		℄ Line Pumt
				109.12		30' R Pumt
				110.32	30' L Pumt	
129+19.48				109.99		℄ Line & Pt

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LEFT (SW	RIGHT (NE)
130+00				109.85		℄ Line Pvmt
				108.89		30' R Pvmt
				110.49	30' L Pvmt	
130+39				107.83		℄ Line
				109.62		30' R Pvmt
				110.5	30' L	
130+46				108.8		℄ Line
				109.63		30' R
				109.6	30' L	
131+				107.9		℄ Line
				108.06		30' R Pvmt
				108.3		
131+05				107.87		℄ Line
131+82.0				107.52		℄ Line
132+00				107.3		℄ Line
132+68.3				107.52		℄ Line Edge pvmt & Gnd
				107.76		30' R Edge Pvmt & Gnd
				107.22	5' L Edge pvmt & Gnd.	
				107.95	10' L " " " "	
				108.15	30' L " " " "	
133+00				107.41		℄ Line

Profile Notes Red Plotted Job No. 3134.01 Division No. 11
No. X-Sec. Date Date Survey of Lemita Relief S.D. Proj. F.B. 3321 Pg. 61
No. Notes Chkd. Checked Survey by W. Brown Notes F.S. Date 10-18-65
Date Date Map No. Indexed J. GILL Date

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F.B. 3321 Pg. 62 Job No. 3134.01 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of Lomita Relief S.D. Proj. #1104 Date ____ No. ____ X-Sec. ____
Survey by L. Braun Notes E. S. Notes Chkd. ____ Checked ____ No. ____
Indexed C. J. GALLI Date ____ Date ____ Date ____

STATION	B.S.	H.I.	F.S.	ELEV.	LEFT (SW)	RIGHT (NE)
133+74				107.38		℄ Line Brk Pvmt
				107.77		30' R Pvmt
				106.73	8.5' L Top CB. & Pvmt.	
				104.35	9.7' L Invert 12" Conc. Drain	106.72 − 2.37 = 104.35
				106.72	11.1' L Top CB & Pvmt.	
				107.62	20' L Brk Pvmt	
				108.23	30' L Pvmt	
133+81				107.52		℄ Line
				107.78		30' R Pvmt
				107.32	4.5' L	
				106.68	8.5' L Top of C.B. & pvmt	
				104.21	9.71' L Invert 12" Conc. Drain	106.68 − 2.47 = 104.21
				106.68	11' L Top of CB & pvmt	
				107.33	14' L Brk Pvmt	
				108.25	30' L Pvmt	
133+91				108.11		℄ Line
				108.03		30' R Pvmt
				108.77	30' L Pvmt.	
134+21				108.69		℄ Line Ctr Road.
				108.30		30' R
				107.77		100' R

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LEFT (SW) ⊼ LINE	RIGHT (NE)
134+21				109.00	30' L Pvmt	
				109.97	100' L Pvmt.	
134+31				108.49	⊼ Line	
				108.48		6' R Ed Pvmt Cor.
				108.19		30' R Pvmt
				108.87	30' L Edge Pvmt.	
135+10.82				107.19	⊼ Line	∠ Pt.
135+70.2				106.44	LEFT (S)	RIGHT (N) 12.0 R Top Headwall
				100.14		12.0 R Invert Box Drain
135+80.9				107.25	⊼ Line	Top Wing Wall
135+81.0				102.00	⊼ Line	Bot " "
135+82.2				107.26	13.5 L End Wingwall & Gnd.	
135+82.5				106.41		26.4 R Top Headwall
				100.11		26.4 R Invert Box Drain
135+95.6				107.27		18.9 R Bot. Wing Wall ∠ PT.
				102.00		19.0 R Top Wing Wall " "
136+00				102.6	⊼ Line	
136+09.8				107.25		19.5 R End Wing Wall & Gnd.
136+18				103.1	⊼ Line	bot Brk
136+60				106.6	⊼ Line	
				106.5		30' R

Profile No. ____ Notes Red ____ Plotted ____ Job No. 3134.01 Division No. 11
X-Sec. No. ____ Date ____ Date ____ Survey of Lomita Relief S.D. Proj # 1104
Notes Chkd. ____ Checked ____ Survey by J. Brown Notes E.S. Date 10-18-65
Date ____ Date ____ Map No. ____ Indexed G. J. GALLI Date ____

F.B. 3321 Pg. 63

76-L-298 CE 307 2-63

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

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

Do not extend notes this side of this line.

F.B. 3321 Pg. 64 | Job No. 3134.01 | Division No. 11 | Notes Red. | Plotted | Profile
Survey of Lemita Relief S.D. Proj #1104 | Date | Date | No. | X-Sec.
Survey by L. Brown | Notes E.S. | Notes Chkd. | Checked | No.
Indexed G. 1 GALL | Date | Date | Date

STATION	B.S.	H.I.	F.S.	ELEV.	LEFT (S)	RIGHT (N)
136+60				107.5	33° L Top brk	
				104.4	41° L Bot brk	
137+00				107.3		℄ Line
138+00				107.6		℄ Line
139+00				108.7		℄ Line
				107.5		30' R
				109.7	30' L	
140+00				110.3		℄ Line
141+00				111.8		℄ Line
142+00				112.9		℄ Line
142+15.5				112.6		℄ Line
142+20.5				112.90		℄ Line Edge Pvmt
142+35.7				113.12		℄ Line & Ctr. Rd.
=0+00 NW & SE.					GOING SE	
					LEFT (NE)	RIGHT (SW)
0+23 SE				113.28	Ctr Rd.	
				113.08		12.0' R E.P.
				113.37		17.5 R Top of slope
				105.7	Storm Drain Ditch	27.5 R Bot " "
				105.7		37.5 R " " "
				114.6		47.5 R Top " "
				112.93	12' L Edge Pvmt	

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LEFT (NE)	RIGHT (SW)
0+50 SE				113.23		Ctr Rd.
				113.03		12' R E.P.
				113.01	12' L E.P.	
1+50 SE				113.43		Ctr Rd.
				113.29		12' R E.P.
				113.26	12' L E.P.	
	GOING NW				LEFT (SW)	RIGHT NE
0+50 NW				113.00		Ctr Rd.
				112.80		12' R EP
				112.74	12' L E.P	
				112.69		Ctr Rd.
				112.34		12' R Punt
				112.52	12' L EP	
	GOING SW				LEFT SE	RIGHT NW
142+51.0				112.85		℄ Line. Edge Punt & Gnd.
142+77.42				112.58		℄ Line & pt
				112.2		30' R Gnd
				113.0	9.5 L Top slope	
142+86.6				112.71		℄ Line Top of slope
142+97.4				112.4		30' R Toe of slope
143+04.0				105.8		℄ Line B.of.slope.
143+08.4				113.17		14' R Top of slope
				113.12		19' R Bot of slope

Profile Notes Rod Plotted Job No. 3134.01
No. Date Date Division No. 11
X-Sec. Notes Chkd. Checked Survey of Lomita Relief S.D. Proj #11104
No. Date Date Survey by J.L. Brown Notes E.S. Date 11-18-65
Map No. Indexed C. J. CALL Date

F.B. 3321 Pg. 65

76-L-296 CE 307 2-63

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

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

Do not extend notes this side of this line.

F.B. 3321 Pg. 66 | Job No. 3134.01 Division No. 11 Notes Red Plotted Profile
Survey of Lomita Relief SD Proj. #1104 Date Date No. X-Sec.
Survey by L. Brown Notes E.S. Notes Chkd. Checked No.
Indexed C. J. GALLI Date Date Date

STATION	B.S.	H.I.	F.S.	ELEV.	LEFT (SE)	RIGHT (NW)
143+08.4				116.6		22' R Top of slope
				117.1		30' R Gnd.
143+09.4				116.67		20' R Top of slope
				116.69		22' R Edge conc.
				116.6		30' R Gnd.
143+28.4				105.8		℄ Line
				105.8	(Rough Conc)	5' R Bot of slope
				116.71		20' R Top " "
				116.79		22' R Edge " Conc
				117.4		30' R Gnd.
				105.7	5' L Bot of slope.	
				114.0	22.5 L Top of slope.	
				115.3	30' L Gnd. Brk.	
144+00				105.8		℄ Line,
				105.9		5.5 R Bot of slope
				116.8		20' R Top of slope
				117.07		25' R Edge pvmt
				117.07		30' R Pvmt.
				105.7	5.5 L Bot of slope	
				115.4	21.' L Top of slope	
				116.1	30' L Gnd	

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LEFT SE	RIGHT NW
144+54				109.3	9.' L Cor Conc.	
				116.65	20.8' L Top of slope.	
				116.67	24.' L Cor. Conc.	
144+55.5				105.87	⊼	Line
				105.86		6' R Bot of slope
				116.63		17.7 R Top of slope
				116.44		20.7 R Edge of conc.
				117.1		30.' R Gnd.
				105.92	6' L Bot Slope	
				116.66	20.8' L Top "	
				116.66	24.' L Edge Pvmt.	
145+07.0				105.88	⊼	Line
				105.94		6.0' R Bot Conc Wall
				117.79		6.0' R Top " "
				117.69		17.7' R Top of slope
				117.64		20.7' R Edge of conc.
				105.82	6.0' L Bot conc wall	
				117.79	6.0' L Top " "	
				117.81	21.1' L Top slope	
				117.79	25' L Edge conc.	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 3134.01 Division No. 11
X-Sec. No. ____ Date ____ Date ____ Survey of Lomita Relief SD. Proj #1104
Notes Chkd. ____ Checked ____ Survey by J. Brown Notes E.S. Date 10-19-65
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F.B. 3321 Pg. 67

76-L-298 CE 307 2-63

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

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

Do not extend notes this side of this line.

F.B. 3321 Pg. 68 | Job No. 3134.01 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of Lomita Relief S.D. Proj #1104 Date ____ No. ____ X-Sec. ____
Survey by L. Brown Notes E.J. Notes Chkd. ____ Checked ____ No. ____
Indexed C. J. GALLI Date 10/9 65 Date ____ Date ____

STATION	B. S.	H. I.	F. S.	ELEV.	LEFT (SE)	RIGHT (NW)
145+28.°				117.83	9.2 R S'ly end Top of slope	
				117.79	4.6 L S'ly end Top of slope	
145+71.1				119.52	119.52	89.8 R Top C.B.
					− 3.42	
				116.10	116.10	89.8 1/2 R Inv. 1.5" Conc Dr.
146+49.9				120.76	120.76	148.7 R Top Cb
					− 3.70	
				117.06	117.06	148.7 R Inv. 1.5" Conc. Dr.
BM 21-60B				118.55	BM-21-60B El. 118.860 (1965 Adj)	
					F.B. 1392-20 & F.B. 3321-10	
					Fd. A. Std U.S.C.&G.S. 4" Brass	
					BM, Disk, stamped "X-767 Reset 1961"	

F. B. 3321 Pg. 69

NOTES RED. _____ JOB NO. 6111.04 SURVEY OF LOMITA RELIEF

DATE M. ASHLEY SURVEY BY Markey Jr

NOTES CHKD. _____ NOTES BY Peterson DATE 10-19-65

DATE _____ INDEXED C. J. GALLI DATE 11/9

JN 6111.04

LOMITA RELIEF S.D.

PROJECT #104

BENCH LEVELS

Markey Jr
Peterson
Caro
Clifford
Cherry

DESCRIPTION	ADJ. ELEV.	3RD RUN	2ND RUN	DIFF.	1ST RUN	B.M.

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

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

765420 353 3-51

76S420 353 3-51

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 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

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
BM SD-255 (Fd)	39.006					BM SD-255 EL 39.006 FB 3318-13
+	3.824					FRAMPTON AVE, 0.18± Mi. S.E.LY From 240th
⊼	42.830					ST ℄ S.D. Channel. Bt. Spk in S'ly C.B., 10'±
−	5.827					S.E. of C.B. Opening
T.P.	37.003					
+						
⊼						
−						
T.P.						
+	3.610					
⊼	40.613					BM SD 254 EL 34.924 FB 3318-13
−	5.687					Normandie Ave & S.F. R.R. Overcrossing, W.
BM SD 254 (Fd)	34.926					side., 0.6± Mi N'ly of Lomita Blvd. Water
+	5.978					Works & Supply B.M. Brass Disk Stamped
⊼	40.904					"E-781" in Conc. Pvmt 5'± S'ly of ℄ of
−	1.928					overhead R.R. Crossing & 1.5'± E. of
T.P.	38.976					W. Ck. of Normandie Ave
+	3.436					
⊼	42.412					
−	4.412					
T.P.	38.000					
+	4.510					
⊼	42.510					
SD 290	4.152					SD 290
~~T.B.M.~~	38.358					~~SET~~ ~~T.B.M.~~ STORM DRAIN CHANNEL
+	3.533					& Ash Bridge A SMALL BT. SPK
⊼	41.891					IN LEAD IN N'LY END OF CONC. HEADWALL
−	5.444					W'LY SIDE OF Ash Bridge
T.P.	36.447					

JOB NO. 6111.04 SURVEY OF Lomita Relief NOTES RED. DATE
SURVEY BY Mankey Jr. DATE
NOTES BY T.C.P. DATE 10-19-65 NOTES CHKD. DATE
INDEXED C. J. GALLI DATE

F.B. 3321 PG. 78

769420 353 3-51

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 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

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	36.447					
+	4.853					
⊼	41.300					
−	4.838					
T.P.	36.462					
+	3.357					
⊼	39.819					
−	5.683					
T.P.	34.136					
+	4.310					
⊼	38.446					
−	5.328					
T.P.	33.118					
+	4.405					
⊼	37.523					
−	5.399					
T.P.	32.124					
+	4.322					
⊼	36.446					
−	5.428					
T.P.	31.018					
+	4.253					
⊼	35.271					
−	4.967					
T.P.	30.304					
+	4.235					
⊼	34.539					
−	4.295					
~~T.B.M.~~	30.244					~~T.B.M.~~ *SD291 SEE NEXT PAGE
SD291						FOR DESCRIPTION

NOTES RED. _____ JOB NO. 6111.04 SURVEY OF LOMITA RELIEF S.D. PROJ. #1104
DATE _____ SURVEY BY MANKEY JR.
NOTES CHKD. M. ASHLEY NOTES BY T.C.P. DATE 10-19-65
DATE _____ INDEXED C. J. GALLI DATE _____

F.B. 332/PG. 77

765420 353 3-51

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 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

JOB NO. 411.04 SURVEY OF LA MIRADA RELIEF NOTES RED.
SURVEY BY MANKEY JR. DATE
NOTES BY T.G. POLLI DATE 10-19-65 NOTES CHKD.
INDEXED DATE DATE

F.B. 332 Pg. 72

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
~~S 0291~~						
~~T.B.M.~~	30.244					~~T.B.M.~~* B.M. S 0291
+	4.308					VERMONT AVE., WEST SIDE. AT
T	34.552					S.D. CHANNEL. 135' W. OF W
−	5.585					CURB & 640' SOUTH OF SEPULVEDA
T.P.	28.967					BLVD. A SMALL BT. SPK IN LEAD IN
+	4.177					NORTH END CONC. HEADWALL.
T	33.144					
−	5.228					
T.P.	27.916					
+	3.648					
T	31.564					
−	3.964					
S 0289						
TO T.B.M.	27.600					~~TO T.B.M.~~* S 0289
+	5.090					HARBOR FWY, WEST SIDE. & S.D.
T	32.690					CHANNEL. 460' S. OF SEPULVEDA
−	4.775					BLVD. A LEAD & TK IN SOUTH END
T.P.	27.915					CONC. HEADWALL. MARKED
+	5.120					"B.M. 21 - B EL. 28.42"
T	33.035					
−	4.064					
T.P.	28.971					
+	5.398					
T	34.369					
−	4.125					
T.P.	30.244					(T.B.M.)
+	4.848					
T	35.092					
−	4.636					
T.P.	30.456					

765420 353 3-51

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 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

NOTES RED. _____ JOB NO. 6111.04 SURVEY OF LOMITA RELIEF
DATE _____ SURVEY BY M. ANKEY JR.
NOTES CHKD M. ASHLAND NOTES BY T.G.B. DATE 10-19-65
DATE _____ INDEXED _____ DATE _____

F.B. 332/Pg. 73

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	30.456					
+	5.638					
=	36.094					
−	4.485					
T.P.	31.609					
+	5.664					
=	37.273					
−	4.660					
T.P.	32.613					
+	5.683					
=	38.296					
−	4.248					
T.P.	34.048					
+	4.936					
=	38.984					
−	2.783					
T.P.	36.201					
+	5.112					
=	41.313					
−	4.626					
T.P.	36.687					
+	5.332					
=	42.019					
−	3.664					
T.P.	38.355					T.B.M.
+	4.099					
=	42.454					
−	4.560					
T.P.	37.894					

76S420 353 3-51

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 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

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	37.894					
+	4.546					
π	42.440					
−	3.387					
T.P.	39.053					
+	1.813					
π	40.866					
−	5.930					
B.M. SD. 254	34.936					BM. S.D. 254 ELEV. 34.924 F.B. 3318-PG 13 NORMANDIE AVE & S.F.R.R. OVERCROSSING W'SIDE 0.6'± MILE N'LY OF LOMITA BLVD. WATER WORKS & SUPPLY B.M. BRASS DISK STAMPED "E781" IN CONC. PUMT. 5'± S'LY OF ℄ OF OVERHEAD R.R. CROSSING. & 1.5'± EAST OF WEST CB. NORMANDIE AVE.

JOB NO. 6111.04 SURVEY OF LOMITA RELIEF NOTES RED. DATE
SURVEY BY MANKEY JR. NOTES CHKD. DATE
NOTES BY T.C.P. DATE 10-19-65 6 NOV
INDEXED [illegible] DATE [illegible]

F.B. 332/PG. 74

Notes Ck'd by	Survey of LOMITA RELIEF S.D.
Map No.	JN 6111.04 Tape Std °F
Office Work	Surveyed by Mankey Jr.
Checked	Notes RTM Jr. Date 10.21.65
Date	Indexed C. J. GALLI

F. B. 3321 PG. 75

JN 6111.04

LOMITA RELIEF S.D. PROJECT #1104

CULVERT CHECK

ON

CONC. BOX CULVERT at HARBOR FWY

0.06 Miles So. of Sepulveda Blvd

Mankey Jr
Peterson
Caro
Clifford
Cherry

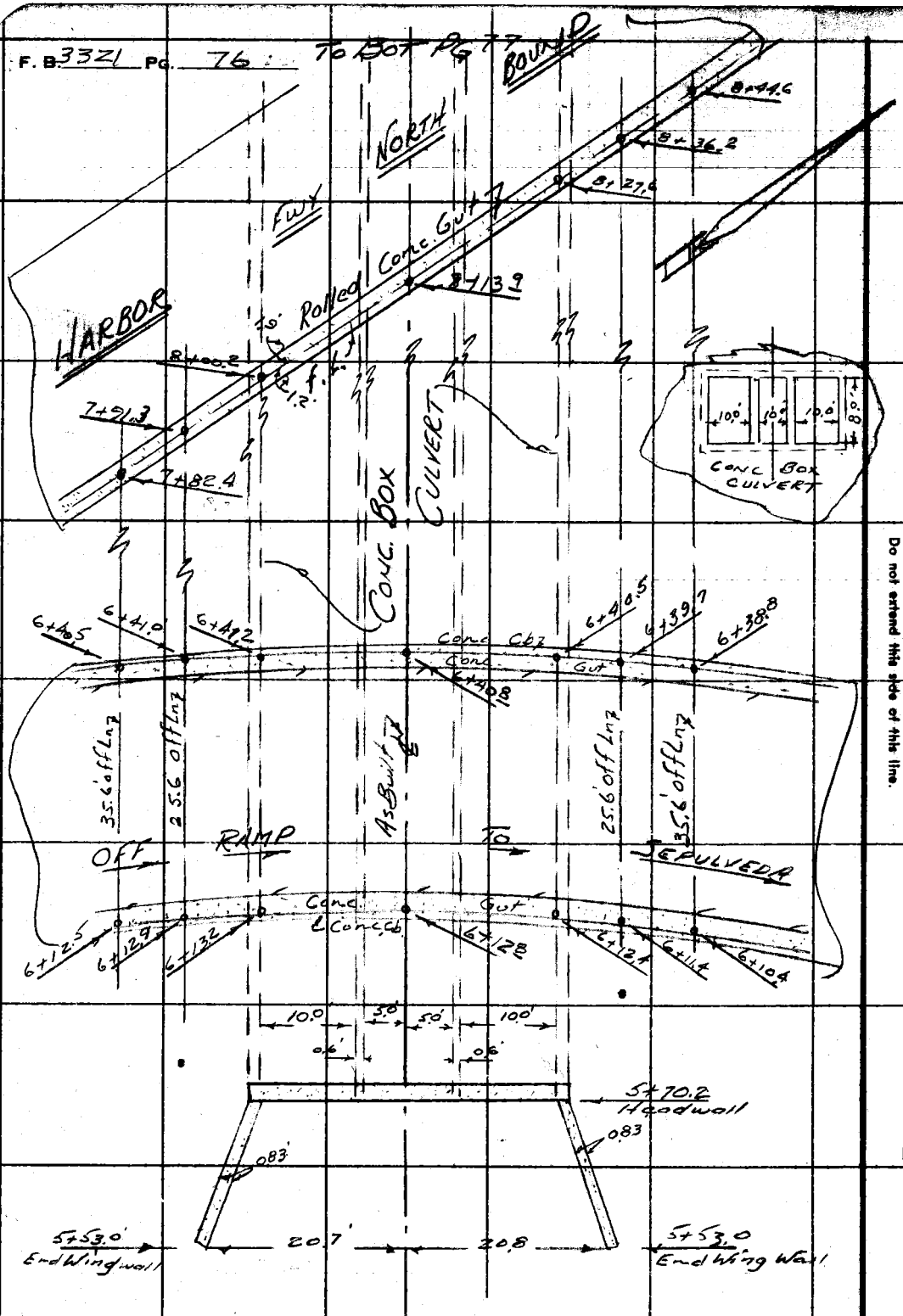
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3098 S&E #247 11-58

F. B. 3321 PG. 76

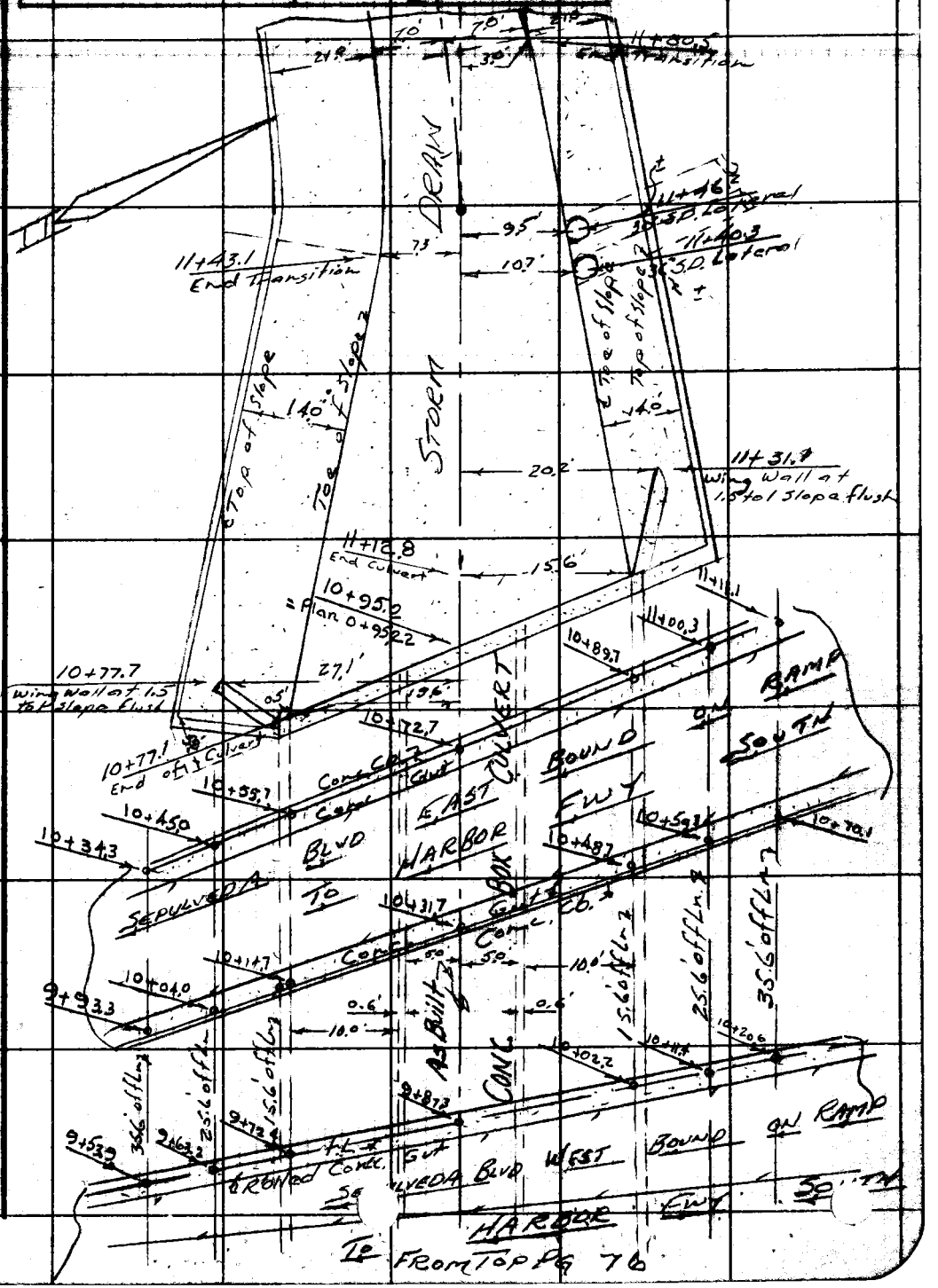


PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 Los Angeles County Engineering Bldg.

Do not extend this side of this line.

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

Notes Ck'd by	Survey of LOMITA RELIEF	F. B. 3321 Pg. 77
Map No.	JN 6111.04 Tape Std °F	
Office Work	Surveyed by Mankey Jr.	
Checked	Notes ETM Jr. Date 10-21-65	
Date	Indexed C. J. GALLI	



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.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S S&E #247 11-58

Profile No. | Notes Red. | Plotted | Job No. 6111.04 | Division No. 11 | F. B. 3321 | Pg. 79
Date | Date | Survey of LOMITA RELIEF
X-Sec. No. | Notes Chkd. | Checked | Survey by Monkey | Notes ETD | Date 10-22-65
Date | Date | Map No. | Indexed | Date

JN 6111.04

LOMITA RELIEF S.D. PROJECT #1104

X-SECTIONS

ON

CONC. BOX CULVERT of HARBOR FWY

0.06 Miles SO. of SEPULVEDA BLVD

Monkey Jr.
Peterson
Clifford
Caro
Cherry

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

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

Do not extend notes this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

76L298 S & E #307 9-54

76L 288 S & E #307 9-54

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 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.

F.B. 3321 Pg. 80 Job No 6111.6 Division No. 11 Notes Red. Platted Profile
Survey of Lomita Pedlet S.D. Date No.
Survey by Ayres & Sykes Notes T.C.P. Date X-Sec.
Indexed C. J. GALLI Notes Chkd. Checked
Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.	INVERTS on CULVERT of HARBOR FWY
TBM (Fd)				27.60	TBM EL 27.60 F.B.
T.P.				20.62	HARBOR FWY; West side & STORM DRAIN CHANNEL 460' S. of Sepulveda Blvd & LFT 1± South end Conc. Headwall Painted BM 21-B EL 28.42"
T.P.				17.68	
T.P.		NOTE: SEE PG for SECTIONS EAST of STA 5+70±		16.51	℄ = S.D. Box Culvert ℄ LT ℄ S.W. RT ℄ N.E.
5+70±				15.70	℄
T.P.				24.86	
T.P.				3281	
T.P.				4098	
6+10 4				4160	35 6
6+11 4				4189	25 6
6+12 4				4221	15 6
6+12 5				4349	35 6
6+12 8				4264	℄
6+12 9				4320	25 6
6+13 2				4299	15 6
6+38 8				4372	35 6
6+39 7				4415	25 6
6+40 5				4455	15 6
6+40 5				4638	35 6
6+40 8				4520	℄
6+41 0				4607	25 6
6+41 2				4572	15 6

76-L298 CE 307 3-61

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	INVERTS on CULVERT at HARBOR FWY	
					LT & S.W.	℄ = S.D. Box Culvert ℄ RT & NE.
7+82 4				4777	35 6	
7+91 3				4770	25 6	
8+00 2				4762	15 6	
8+13 9				47 50		℄
8+27 6				4739		15 6
8+36 2				4734		25 6
8+44 6				4727		35 6
T. P.				48 24		
9+53 9				4712	35 6	
9+63 2				4705	25 6	
9+72 4				4697	15 6	
9+87 3				4685		℄
10+02 2				4672		15 6
10+11 4				4665		25 6
10+20 6				4653		35 6
T. P.				39 10		
9+93 3				3608	35 6	
10+04 0				3548	25 6	
10+14 7				3495	15 6	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 611.04 Division No. 11 F.B. 3321 Pg. 84
X-Sec. No. ____ Date ____ Date ____ Survey of LOMITA RELIEF S.D.
Notes Chkd. ____ Checked ____ Survey by [illegible] Notes TCP Date 10-22-65
Date ____ Date ____ Map No. ____ Indexed C. J. GALLE Date ____

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

F.B. 3321 Pg. 82 Job No. 6111.04 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of LOMITA RELIEF S.D. Date ____ Date ____ No. ____ X-Sec. ____
Survey by MARKEY J.R. Notes T.C.P. Notes Chkd. ____ Checked ____
Indexed C. J. GALLI Date ____ Date ____ Date ____ No. ____

STATION	B. S.	H. I.	F. S.	ELEV.	CULVERT UNDER HARBOR FWY	
					Lt & S.W.	℄ & Rt & N.E.
10+31 Z				3416		
10+34 3				3452	35 b	
10+45 0				3397	25 b	
10+48 7				3333		15 b
10+55 Z				3348	15 b	
10+59 3				3280		25 b
10+70 1				3224		35 b
10+72 7				3257		℄ W
10+89 7				3170		15 b
11+00 3				3117		25 b
11+11 1				3065		35 b
T.P.				3325		
T.P.				2758		
10+77.1	End of Culvert			1754	15.6'	
10+95.2	" " "			1741		℄
11+12.8	" " "			1767		15.6
11+40.3	Invert on 36" S.D. Lat.			1769		10.7' (Direct to Inv.)
11+43.1	End of Transition			1768	7.3' Toe Slope	
11+46.2	Invert on 30" S.D. Lat.			1769		9.5' (Direct to Inv.)
11+80.5	End of Transition			1774		3.0' Toe Slope

76L298 S & E #307 9-54

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 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.

Profile Notes Red. Plotted. Job No. 64LL004 Division No. 11
No. Date Date Surveyed Lemuel E. Keller S. Date
X-Sec. Notes Chkd. Checked. Surveyed by Notes Date
No. Date Date Map No. Indexed C. J. GALLI Date

F.B. 3321 Pg. 83

STATION	B. S.	H. I.	F. S.	ELEV.	CULVERT UNDER HARBOR FWY
					LT ℄ S.W. & RT ℄ N.E.
11+80.5				2724	17' Top of Slope
"	SECTION NORMAL TO AS BUILT OPER S.D.			1778	11' Toe Slope
"				2723	25' Top "
T.B.M.				2760	T.B.M.* ELEV. 27.60 F.B. Harbor Fwy. West side ℄ STORM DRAIN CHANNEL 460'± S. of Sepulveda Blvd. 9 Ft in South end Conc. Headwall Painted "B.M. 21-B EL 2862"
		X-SECTIONS EAST of STA 5+70.2 (E. end of Box Culvert Under Harbor Fwy.)			
T.P. Per PG				16.51'	LT ℄ S.W. ℄ = 6° of Box Culvert under Harbor Fwy RT ℄ N.E.
3+00				143	℄ F.L.
4+00				150	℄ F.L.
4+94				218	15.6 R E. end bridge
4+94				219	25.0 R edge A.C. Pav.
4+95				217	℄ on Bridge
4+95				214	35.6 edge A.C. Pav.
4+96				219	35.6 edge A.C. Pav.
4+96				214	15.6 S. end Bridge & edge Pav.
4+96				215	25.6 edge A.C. Pav.
5+00				165	℄ UNDER BRIDGE F.L.

NOTE: This Road is an oil well service road and is located on a berm raised 4' to 5' above adjacent fields

76L[illegible] S & E #307 9-54

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 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.		
5+00				216		℄ TOP OF BRIDGE
5+07				216	25⁶ N.W. edge pav.	
5+07				215	35⁶ " " "	
5+08				220		35⁶ N.W. edge pav.
5+08				215	15⁶ - W. end bridge & edge pav	
5+09				217		℄ TOP OF BRIDGE
5+09				219		25⁶ edge pav
5+10				217		15⁶ end bridge & edge of pav
5+70				164		℄ Dirt f.l
5+70.2 (Fd) Conc f.l.				15.70		℄ per Pg

F. B. 3321 Pg. 84 Job No. 6111.04 Division No. 11 Notes Red. Plotted Profile
Survey of LOMITA RELIEF Date Date No.
Survey by MANKEY JR Notes T.G.P. Notes Chkd. Checked X-Sec.
Indexed C. J. GALLI Date C. J. GALLI Date Date No.

Notes Ck'd by	Survey of Lomita Relief S.D.
Map No.	JN 6111.04 Tape Std °F
Office Work	Surveyed by Mankey Jr.
Checked	Notes ETM Jr. Date 10-20-65
Date	Indexed G. J. GALLI

F. B. 3321 Pg. 85

JN 6111.04

LOMITA RELIEF S.D. PROJECT #1104

CULVERT CHECK

on

CULVERT UNDER VERMONT BLVD 0.1 Miles

SOUTH OF SEPULVEDA BLVD.

Mankey
Peterson
Clifford
Caro
Cherry

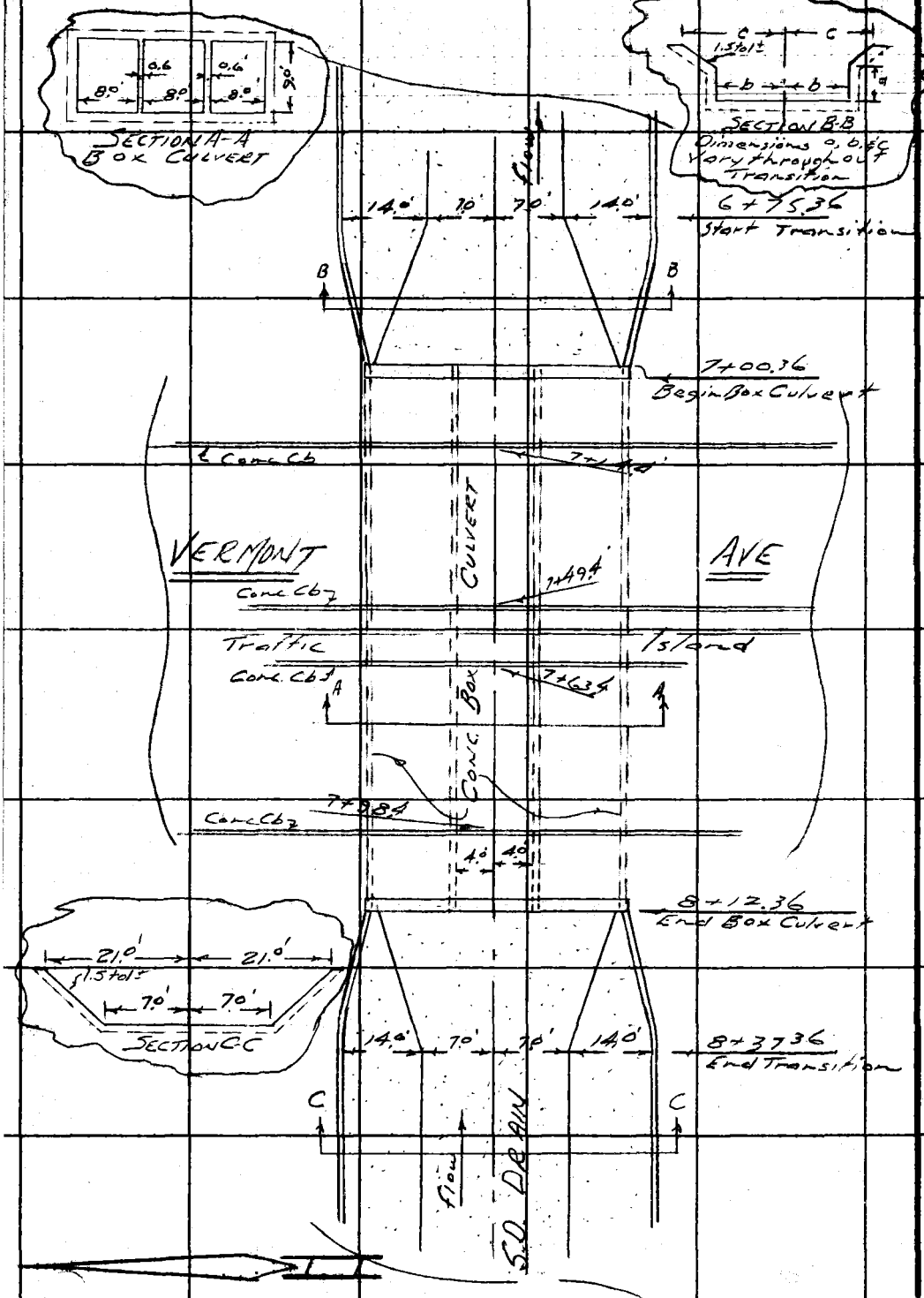
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S S&E #247 11-58

F. B. 3321 Pg. 86



PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend this side of this line.

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

F.B. 3321 PG. 87

Profile No. _____ Notes Red _____ Plotted _____ Job No. 6111.04 Division No. 11 Survey of LOMITA RELIEF S.D. PROJ. # 1104

X-Sec. No. _____ Notes Chkd. _____ Checked _____ Survey by MANKEY JR Notes T.C.P. Date 10-20-65

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

J.N. 6111.04

LOMITA RELIEF PROJECT # 1104

INVERTS ON CONCRETE CULVERT AT

STA. 7+00.36 VERMONT

MANKEY JR
PETERSON
CARO
CLIFFORD
CHERRY

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

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

Do not extend notes this side of this line.

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

76-L 298 CE 307 3-61

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

F.B. 3321 Pg. 88 Job No. 6111.04 Division No. 11 Notes Red Plotted Profile
Survey of LOMITA RELIEF S.D. P.W. #1104 Date Date No. X-Sec.
Survey by MACKEY & NOTES T.C.P. Notes Chkd. Checked
Indexed L. J. GALLI Date '65 Date Date No.

STATION	B.S.	H.I.	F.S.	ELEV.		
T.B.M.#				3024	T.B.M.# ELEV. 30.24 F.B. VERMONT AVE. WEST SIDE. AT STORM DRAIN CHANNEL. 13± W OF WEST CURB & 640'± SOUTH OF SEPULVEDA BLVD A SMALL BT SPK IN LEAD IN NORTH END CONC. HEADWALL	
6+25 36				1928	LT.	℄ OF CONC. S.D. CHANNEL RT
6+75 36	BEGIN TRANSITION			1939		℄
				1937		7 TOE CONC SLOPE
				2879		21 TOP SLOPE
				1941	7 TOE CONC SLOPE	
				2890	21 TOP SLOPE	
7+00 36	BEGIN BOX CULVERT			1944		℄
				1944		$12\frac{5}{2}$ AT VERTICLE WALL
				2863		$12\frac{5}{2}$ TOP VERTICLE WALL
				1947	$12\frac{5}{2}$ AT VERTICLE WALL	
				2861	$12\frac{5}{2}$ TOP VERTICLE WALL	
7+14 4				3141		℄ TOP OF EAST C B VERMONT
7+14 6				3075		℄ GUTTER
7+49 2				3151		℄ GUTTER
7+49 1				3199		℄ TOP EAST CURB
7+63 4				3198		℄ TOP WEST CURB
7+63 6				3150		℄ GUTTER

CENTER DIVIDER

76L298 S & E #307 9-54

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 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.		
7+98 2				30 76		℄ GUTTER
7+98 4				31 38		℄ TOP WEST CB VERMONT AVE
8+12 36	END CONC. BOX			19 82		℄
				19 80		12 5 AT VERTICLE WALL
				28 97		12 5 TOP VERTICLE WALL
				19 77	12 5 AT VERTICLE WALL	
				28 90	12 5 TOP VERTICLE WALL	
8+37 36	END TRANSITION			19 95		℄
				19 98		7 TOE CONC SLOPE
				29 37		21 TOP SLOPE
				19 94	7 TOE CONC SLOPE	
				29 34	21 TOP SLOPE	
8+87 36 T.B.M.*				20 15		℄
					T.B.M.* ELEV. 30.24 F.B. VERMONT AVE WEST SIDE AT STORM DRAIN CHANNEL & SOUTH OF SEPULUEDA BLVD. A SMALL BT. SPKIN LEAD IN NORTH END CONC. HEADWALL	

Profile Notes Red ____ Plotted ____ Job No. 6111.04 Division No. 11 F. B. 3321 Pg. 89
No. ____ Date ____ Date ____ Survey of LOMITA RELIEF S.D. PROJ. # 1104
X-Sec. Notes Chkd. ____ Checked ____ Survey by MANKEY JR. Notes T.C.P. Date 10-20-65
No. ____ Date ____ Date ____ Map No. ____ Indexed by J. GALLE Date ____

Notes Ck'd by	Survey of LOMITA RELIEF S.D.
Map No.	JN 6111.04 Tape Std °F
Office Work	Surveyed by Mankey Jr.
Checked	Notes ETM Jr. Date 10-19-65
Date	Indexed C. J. GALLI

F. B. 332 PG. 91

JN 6111.04

LOMITA RELIEF S.D. PROJECT #1104

CULVERT CHECK

ON

EXIST S.D. CHANNEL &

ASH BRIDGE ST. 0.15 MILES E. of NORMANDIE AVE

Mankey Jr.
Peterson
Caro
Clifford
Cherry

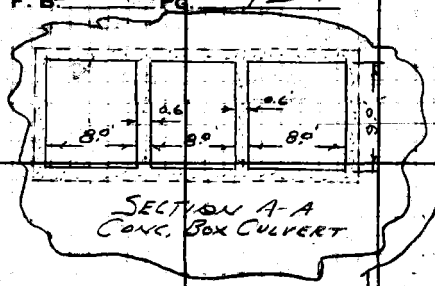
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

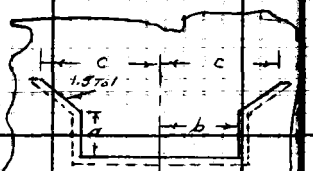
Do not extend this side of this line.

76F3098 S&E #247 11-58

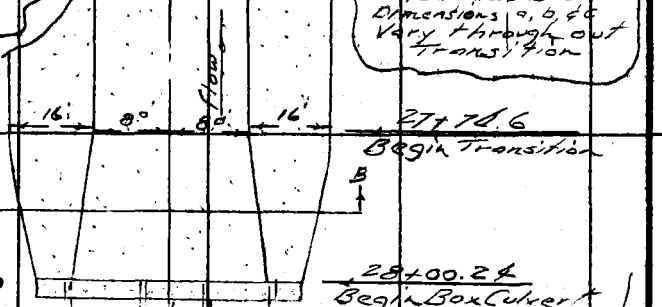
F. B. 3321 PG. 92



SECTION A-A
CONC. BOX CULVERT

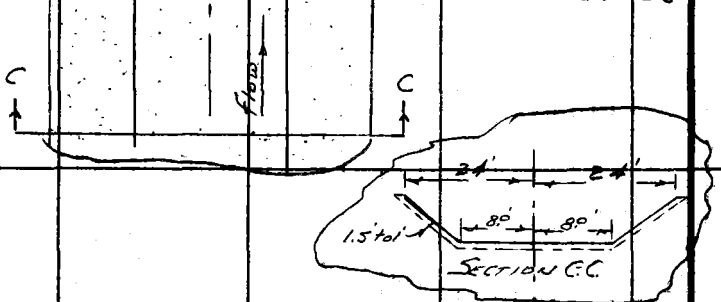


SECTION B-B.
Dimensions a, b & c
Vary throughout
Transition



27+76.6
Begin Transition
28+00.24
Begin Box Culvert
28+10.8'
℄ Conc CB
℄ Spl. ℄ of CB's
28+30.9
A.C. PAV
28+51.0
Conc. CB 7
28+61.24
End Box Culvert
28+86.2'
End Transition

ASH BRIDGE



SECTION C-C

LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

PLEASE RETURN TO

Do not extend this side of this line.

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

F.B. 3321 Pg. 93

Profile No. ____ X-Sec. No. ____ | Notes Red ____ Date ____ Notes Chkd. ____ Date ____ | Plotted ____ Date ____ Checked ____ Date ____ | Job No. 6111.04 Division No. 11 | Survey of LOMITA RELIEF | Survey by MANKEY JR Notes T.C.P. Date 10-19-65 | Map No. ____ Indexed J. GALL Date ____

JN 6111.04

LOMITA RELIEF PROJECT #1104

INVERTS ON

CONCRETE CULVERT

OF

STA. 28+00.24

Mankey Jr.
Peterson
Cano
Clifford
Cherry

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

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

Do not extend notes this side of this line.

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

76-1,200 CE 307 3-61

76-L298 CE 307 3-61

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	INVERTS on CULVERT at Bridge STA 28+00	
T.B.M. (Fd)				38.36	T.B.M. EL 38.36' F.B. STORM DRAIN CHANNEL & Ash Bridge A small Bt Spk in lead in N'ly end of Conc. headwall W'ly side of 0.15± Miles E. of Normandie Ave	
					LT & S.E.	℄ of Conc S.D. Channel RT & N.W.
27+24.6				2587		℄
27+74.6	BEGIN TRANSITION			2595		℄
				2594		8' Toe Conc slope
		ROD		3678		24' Top Slope
				2596	8' Toe Conc Slope	
				3684	24' Top Slope	
28+00.24	BEGIN BOX CULVERT			2603		℄
"				2603		12b at vert. wall
"				3472		12b Top " "
"				2601	12b Base of Wall	
		LENKER		3476	12b Top " "	
28+10.8				3941		℄ cb
28+10.8				3878		℄ Gut
28+30.9 CTR.		ST.				
28+51.0				3880		℄ Gut
28+51.0				3945		℄ cb

F.B. 3321 Pg. 94 Job No. 6111.04 Division No. 11 Notes Red. Plotted Profile
Survey of LOMITA RELIEF Date Date No. X-Sec.
Survey by MANKEY JR Notes T.C.P. Notes Chkd. Checked
Indexed C. J. GALLY Date Date Date No.

76-L298 CE 307 3-61

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Profile Notes Red Plotted Job No. 6111.04 Division No. 11
No. X-Sec. Date Date Survey of LOMITA RELIEF S.D. PROJ. #1104
Notes Chkd. Checked Survey by MARKEVICH Notes T.C.P. Date 10-19-65
No. Date Date Map No. Indexed by GALL Date

F.B. 3321 Pg. 95

STATION	B. S.	H. I.	F. S.	ELEV.	INVERTS on CULVERT AT STA 28+00	
					LT. & S. E.	℄ of S.D. Conc. Channel RT & N. W.
28+61.24	END	BOX CULVERT		2608		℄
"				2609		12" Base of wall
"				3485		12" Top " "
"				2610	12" Base of wall	
"				3494	12" Top " "	
28+86.9	END	TRANSITION		2616		℄
				2618		8' Toe Conc. Slope
				3693		24' Top Slope
				2614	8' Toe Conc Slope	
				3692	24' Top " "	
29+36.9				2618		℄
ED T.B.M. #					T.B.M. # ELEV. = 38.36 F.B. STORM DRAIN CHANNEL & ASH BRIDGE A SMALL BT. SQR. IN LEAD IN N'LY END OF CONC. HEADWALL W'LY SIDE OF 0.15 ± MILES E'LY OF NORMANDIE AVE	

Notes Ck'd by	Survey of LOMITA RELIEF S.D.
Map No.	JN 6111.04 Tape 0241 Std 68 °F
Office Work	Surveyed by Mankey Jr.
Checked	Notes ETM Jr. Date 10-65
Date	Indexed C. J. GALLI

F.B. 3321 Pg. 97

JN 6111.04

LOMITA RELIEF

S.D. PROJECT #104

CONTROL LINE

from

FRAMPTON AVE at INT. With S.S.&S.D. EASEMENT

That Runs Between Lots 10&11

OF TRACT #25819

N.E.LY 300'± to the end of

New S.D. Drain Near The

INT. of NORMANDIE AVE & S.F.R.R. Bridge

Mankey Jr.
Peterson
Caro
Clifford
Cherry

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

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.

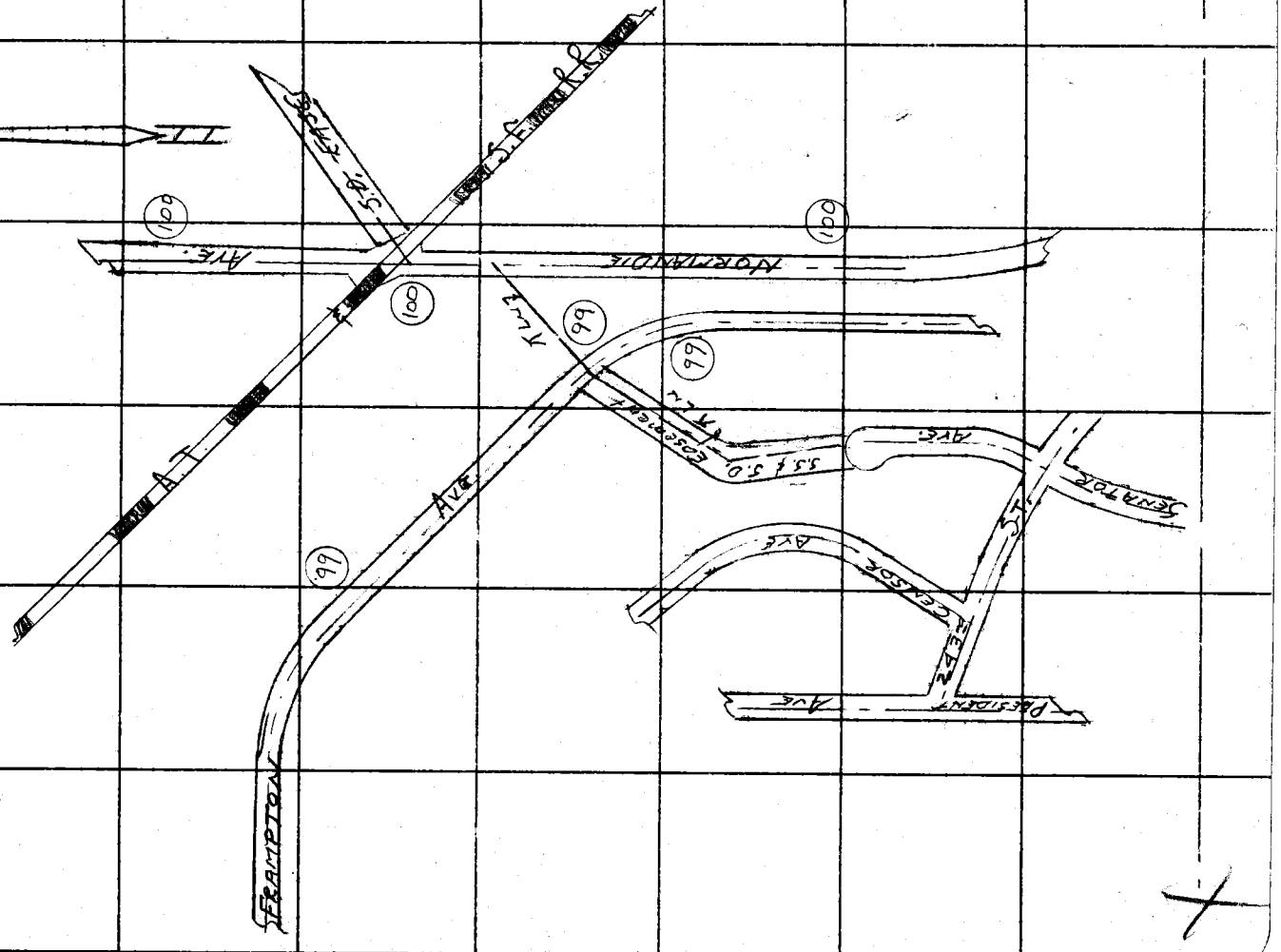
76F309S S&E #247 11-58

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend this side of this line.

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

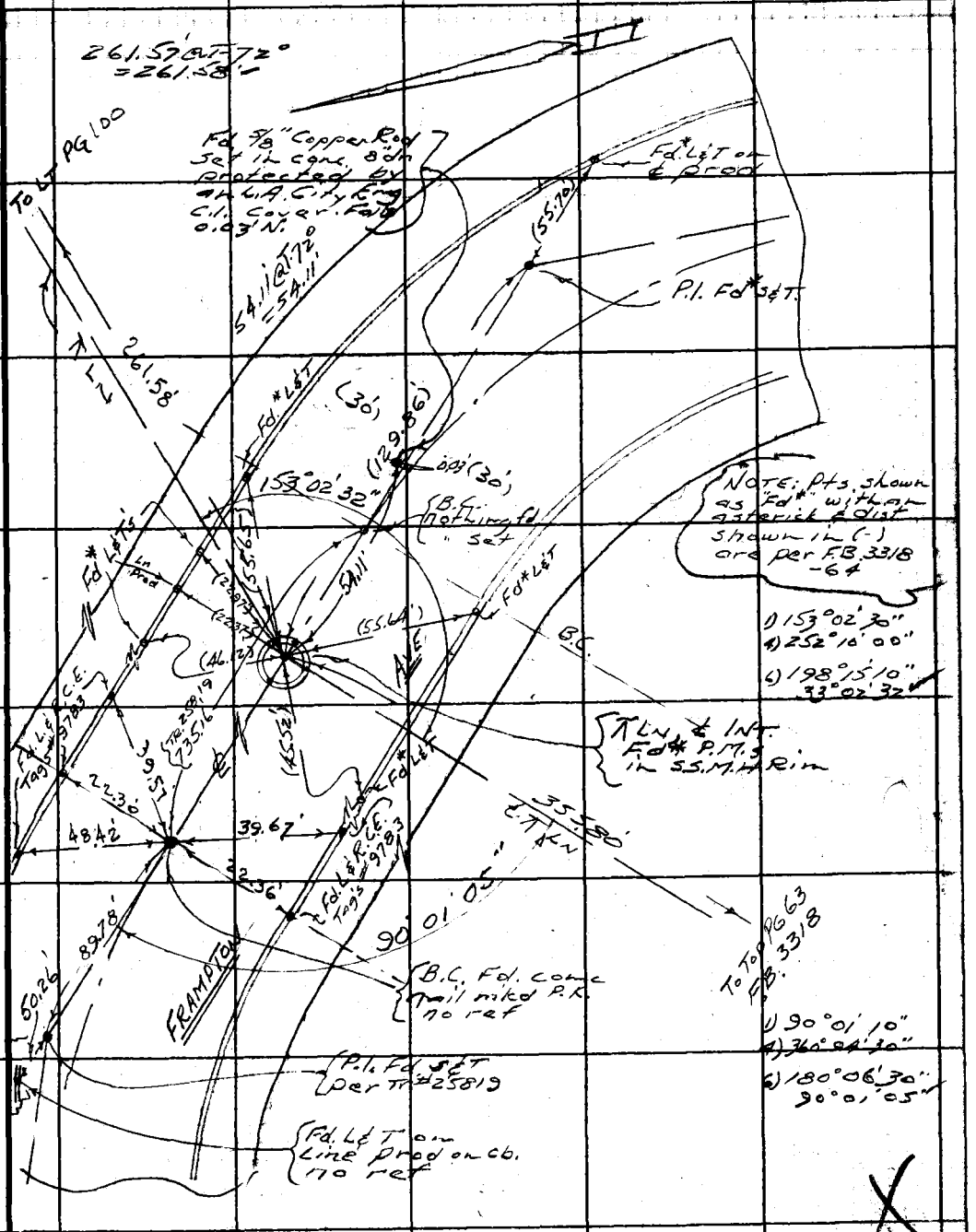
INDEX MAP



F.B. 3321 PG. 98

Notes Ck'd by	Survey of LOMITA RELIEF
Map No.	JN 6111.04 Tape 0241 Std 68 °F
Office Work	Surveyed by Mankey Jr.
Checked	Notes ETM Jr. Date 10-65
Date	Indexed D. J. GALLI

F. B. 3321 PG. 99



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.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S S&E #247 11-58

F. B. 3321 PG 100

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend this side of this line.

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

Notes Ck'd by	Survey of LOMITA RELIEF
Map No.	JN 6111.04 Tape Std °F
Office Work	Surveyed by Mankey Jr.
Checked	Notes EFM Jr. Date 10-20-65
Date	Indexed C. J. GALLI

F. B. 3324 PG. 101

JN 6111.04

LOMITA RELIEF S.D.

PROJECT #1104

LOCATING IMPROVEMENTS

ALONG PROPOSED S.D. EASEMENT
from
EXISTING S.D. CHANNEL S.W'ly
from
NORMANDIE AVE & A.T.&S.F. R.R. R/W

(ABOUT 0.7± Miles So. of SEPULVEDA BLVD.)
TO
FRAMPTON AVE & ALONG EXISTING

S.D. CHANNEL 400'±

Mankey Jr.
Peterson
Caro
Clifford
Cherry

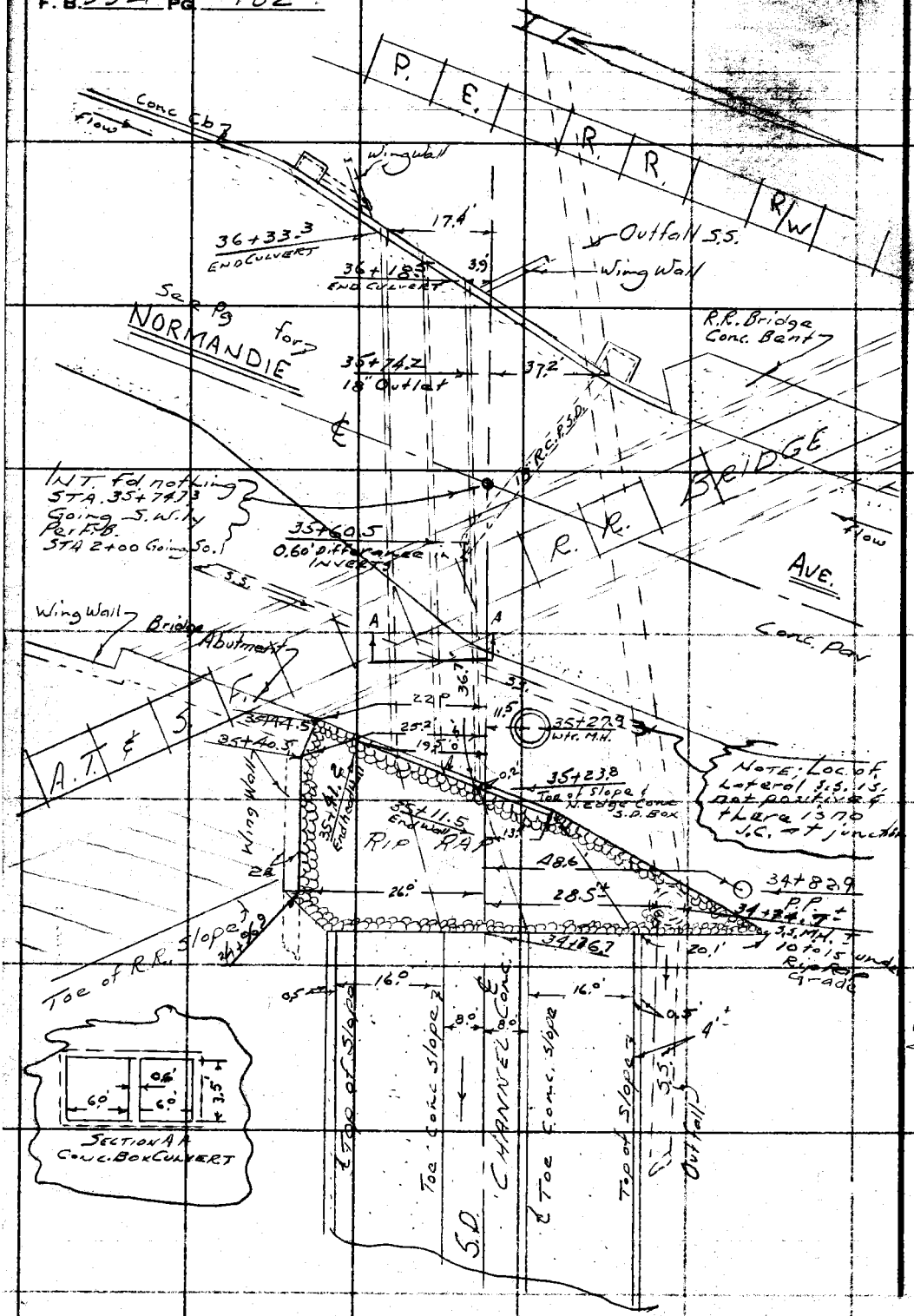
Note: Any Additions or Changes on this Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309 S&E #247 11-58

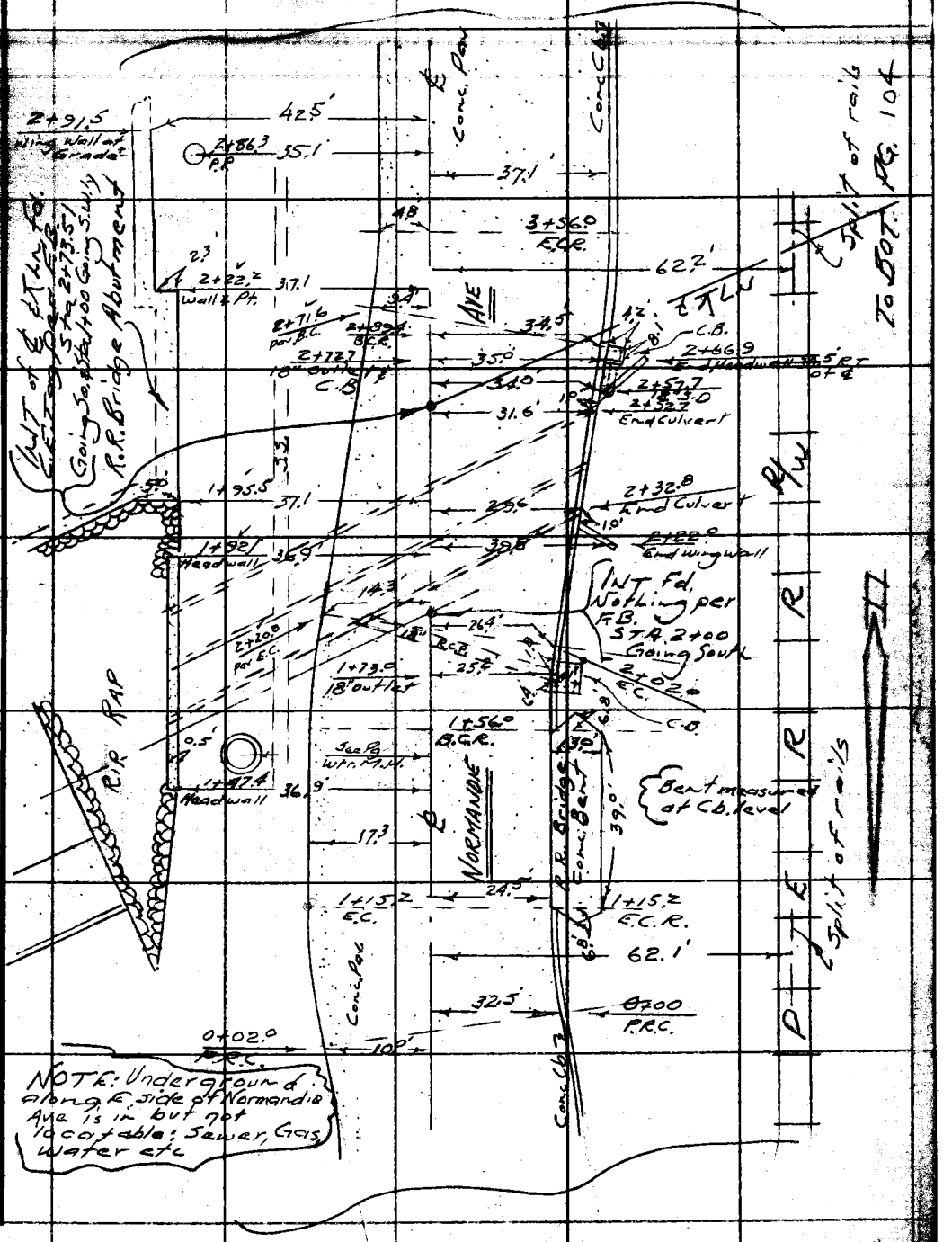
F. B. 3321 PG. 102



PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
900 SOUTH FREMONT AVE. LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.

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

Notes Ck'd by	Survey of LOMITA RELIEF	F. B. 3321 Pg. 103
Map No.	JN 6111.04 Tape Std °F	
Office Work	Surveyed by Markey Jr.	
Checked	Notes ETM Jr. Date 10-20-65	
Date	Indexed C. J. GALLI	



Note: Any Additions or Changes Sheet Must be Made or Checked Ink With Date and Name of Making Change.

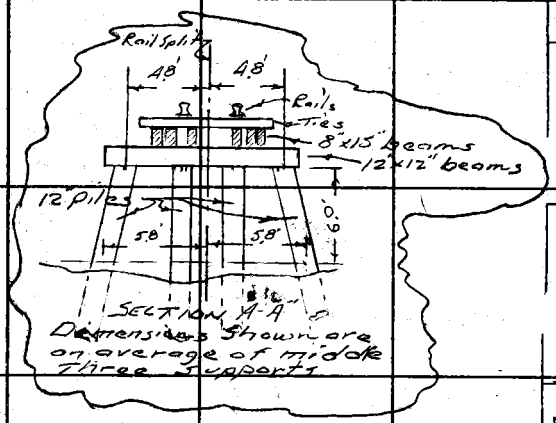
Do not extend this side of this line.

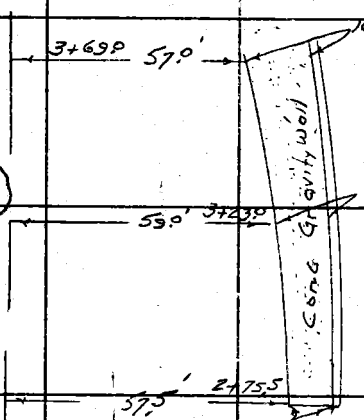
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

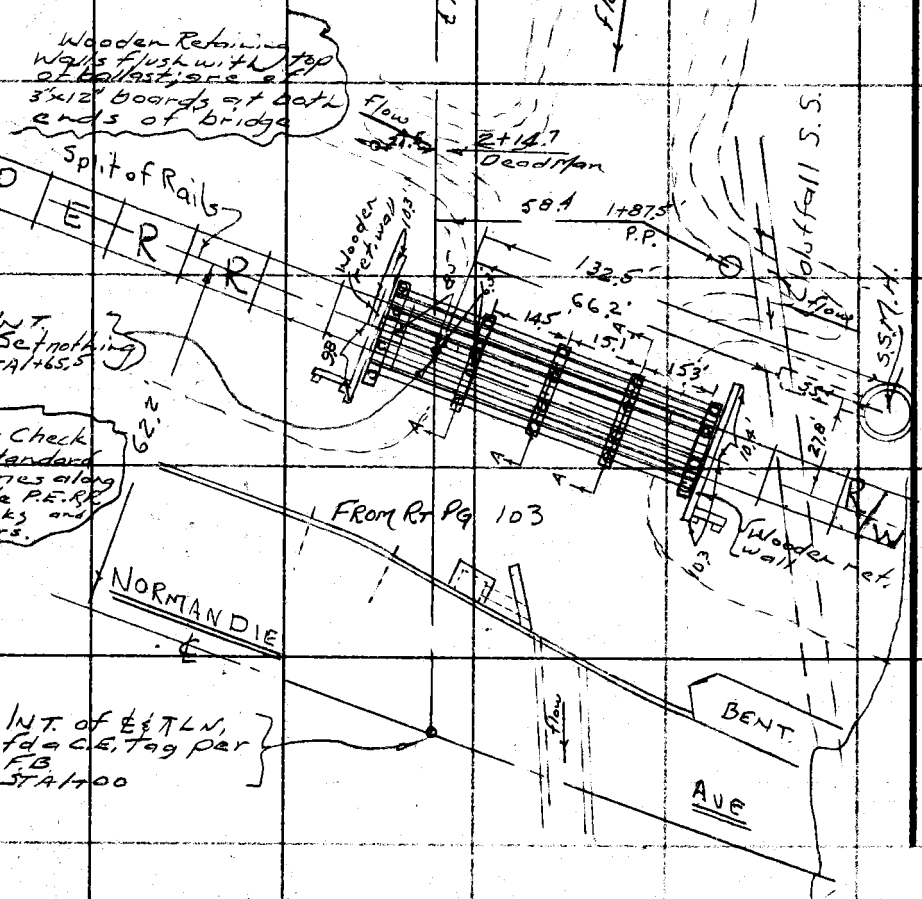
76F3098 S&E #247 11-58

F. B. 3321 PG. 104

TO BOT. PG. 105







PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
2700 LOS ANGELES COUNTY ENGINEERING BLDG.

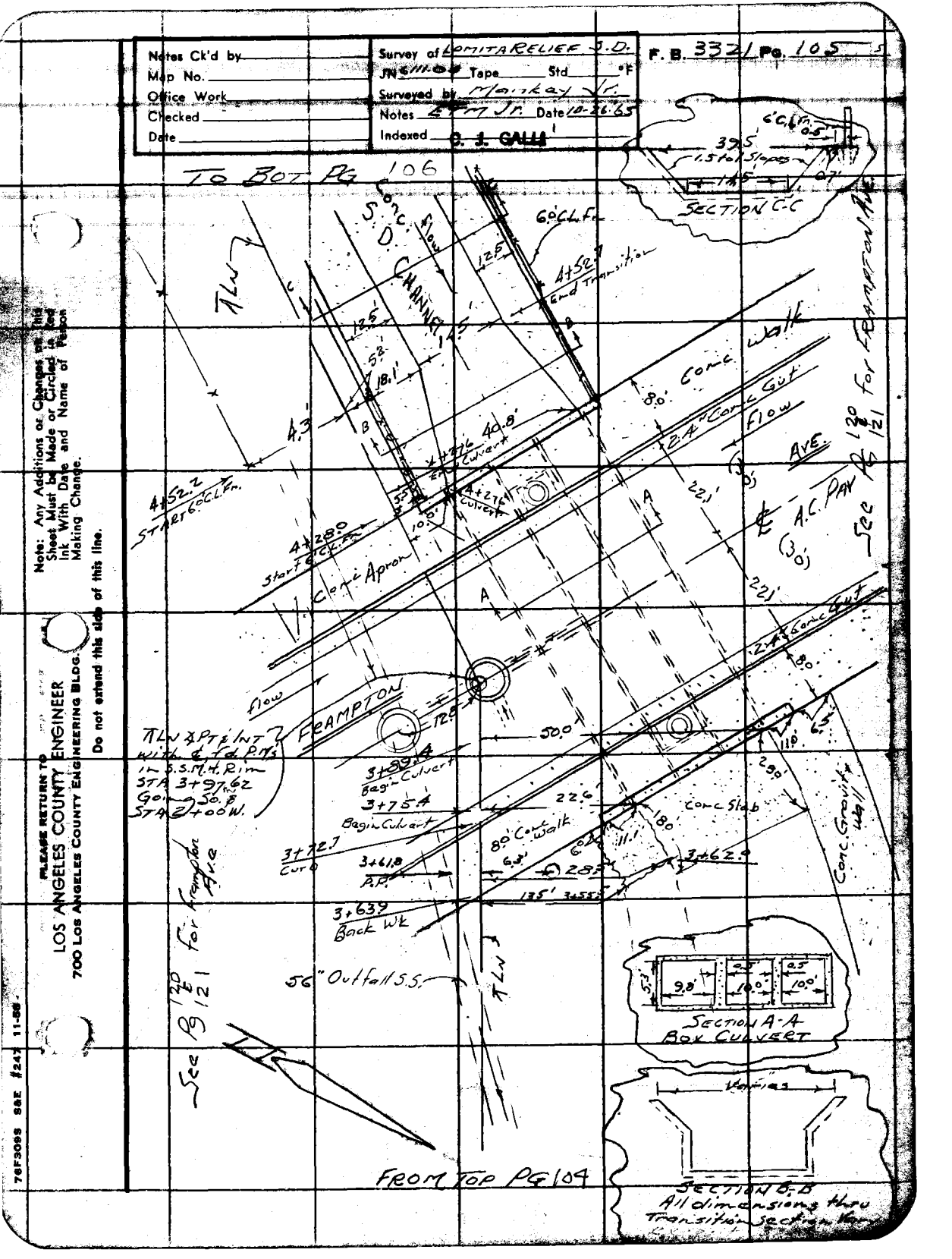
Do not extend this side of this line.

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

Notes Ck'd by	Survey of LOMITA RELIEF S.D.
Map No.	JN 5111.04 Tape Std °F
Office Work	Surveyed by Mankay Jr.
Checked	Notes EFM Jr. Date 10-26-65
Date	Indexed G. I. GALLI

F. B. 3321 Pg. 105

To Bot Pg 106



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.

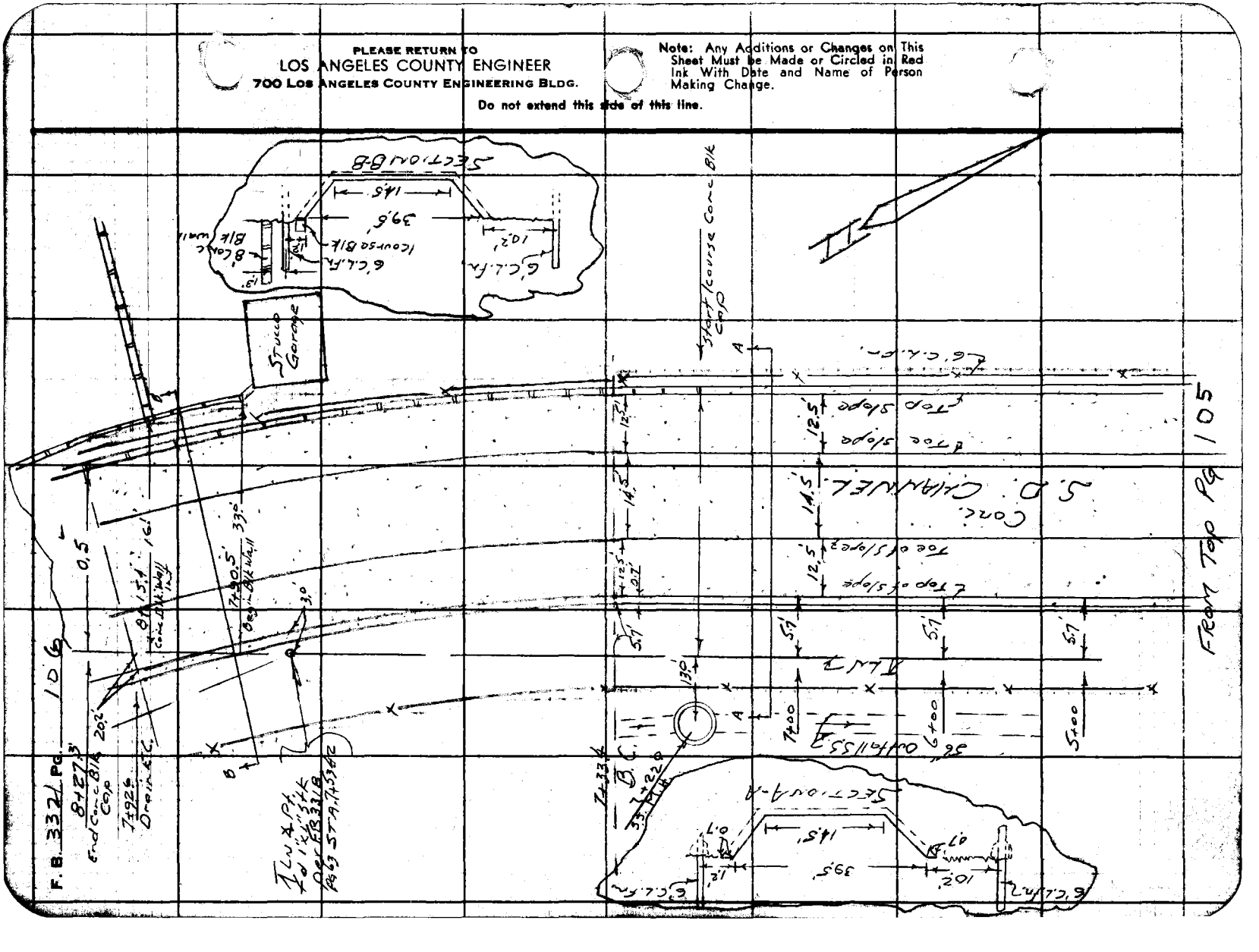
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 Los Angeles County Engineering Bldg.

76F3093 SAE #247 11-58

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend this side of this line.

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



Profile No.	Notes Red.	Plotted	Job No. [illegible]	F.B. 3321	Pg. 107
	Date	Date	Survey [illegible]		
X-Sec. No.	Notes Chkd.	Checked	Survey by Mankey Jr. Notes [illegible] Date 10-29-65		
	Date	Date	Map No. [illegible] C. J. GALLI Date		

JN 611104

LOMITA RELIEF S.D. PROJECT #1104

X - SECTIONS

ALONG PROPOSED S.D. EASEMENT

from

END EXISTING CHANNEL S.W.'ly From

NORMANDIE AVE & A.T. & S.F. R.R. R/W

(About 0.7'± Miles So. of Sepulveda Blvd.)

TO

FRAMPTON AVE & Along Existing

S.D. CHANNEL 400'±

Mankey Jr
Peterson
Cano
Clifford
Cherry

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

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

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

76-L-298 CE 307 2-63

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	X-SECTIONS Along Exist S.D. To NORMANDIE	
					BM SD 254 EL 34.924 F.B. 3318-13	
					Normandie Ave & S.F.R.R. Overcrossing, W. side 0.6± miles N.Ly of Lomita Blvd. Wtr. Works &	
B.M. SD 254				34.92	Supply B.M. Brass Disc stamped "E-781" in conc. Pvmt 5'± S'ly of ℄ of overhead R.R. Crossing	
					& 1.5'± E. of W. Cb. of Normandie Ave.	
					LT & S.E.	℄ = ℄ of S.D. Channel RT & N.W.
33+00				26.78'		℄ Conc. fL.
34+00				26.91'		℄ " "
34+76.7	End of New Conc. S.D. Channel			27.06		℄
"	"	"	"	27.13'		8.0' Toe Conc Slope
"	"	"	"	37.79'		24' Top " "
"	"	"	"	38.0'		44' Cor. Rip Rap
"	"	"	"	26.96'	8.0' Toe Conc Slope	
"	"	"	"	37.87'	24' Top Conc Slope	
34+74.7 ± Outfall S.S.M.H.				*16.58'		28.5'
*Inv. taken by surveyor for R.C.E. #9783 Could be on diff. datum						
34+96.9				37.9'	26.0' Rip Rap at Wall	
35+09.1				32.0'	25.9' " " " "	
35+11.5				35.08		13.4' Top Conc Wall
35+23.8	Begin Conc Box Culvert			29.63'	0.2' f.L.	
35+27.7				32.0'	25.5' Rip Rap at Wall	
35+36.0	Begin Conc Box Culvert			29.76'	12.8' f.L.	
35+40.5				35.00'	25.2' Rip Rap at Wall	

F.B. 3321 Pg. 108 Job No. 6111.04 Division No. 11 Notes Red Plotted Profile
Survey of LOMITA RELIEF S.D. Date Date No.
Survey by ETMdr. Notes Markey Jr. Notes Chkd. Checked X-Sec.
Indexed C. J. GALLI Date Date Date No.

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	X-SECTIONS Along Exist. S.D. Channel	
					LT & S.E.	℄ = ℄ of S.D. Channel RT & N.W.
35+41.2	Top Wall			35.15'	19.5' End Conc Wall	
	{NOTE: Dirt is flush with top of conc. ret. wall on W. side of wall}					
35+52				35.75'		℄ E. edge Conc Pav.
35+74.2	Inv. on 18" R.C.P. Outlet			31.78'	35.44 Elev on Cb 3.66 Cb. to F.L. 31.78	37.2' Inv Direct
35+74.73	INT with Normandie Ave			35.75		℄
36+18.5	End Box Culvert			30.44	3.9 f.L.	
36+33.3	" " "			30.52	17.4' f.L.	
	X-SECTIONS S'ly Along NORMANDIE AVE					
					LT & E	℄ = Normandie Ave ℄ RT & W.
0+00				38.00'		10.2' CTR Pav
"				37.74'		21.3' 1/4 Pav
"				37.41'		30.4' Gut
"				37.21'		32.4' Gut
"				38.00'		32.4' Cb.
"				38.1'		48.0' Toe Ballast
"				41.2'		57.0' Top "
"				38.09'		℄ 1/4 Pav.
"				38.06'	9.8' edge Conc Pav	
"				37.8'	40' P/L	
1+00				36.22'		2.5' CTR Pav.

Profile No. ____ Notes Red ____ Plotted ____ Job No. 6111.04 Division No. 11 F.B. 3321 Pg. 109
Date ____ Date ____ Survey of Lomita Relief S.D. Project
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by Maukey Wm. Notes ETM Date 10-29-65
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date NOV 9

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	X-SECTIONS S'ly in NORMANDIE AVE. LT & E.	℄ = Normandie Ave ℄ RT & W
1+00				35.90'		13.5' 1/4 Conc Pav
"				35.53'		22.5' Gut
"				35.40'		24.5 Gut
"				36.23'		24.5 Cb
"				36.1'		43.5 Toe of Ballast
"				41.8'		56.1' Top " "
"				36.35'	7.5 1/4 Conc Pav	
"				36.37'	17.5 edge " "	
"				37.4'	40' P/L	
1+15.2 E.C.R.				35.20'		24.5 Gut
"				35.88'		" Cb
"				36.18'	17.3' E. edge Pav.	
1+47.4 Begin headwall				35.08	36.9' Top Wall	
1+56° B.C.R.				35.58'		2.5' CTR Conc Pav
"				35.28'		13.5' 1/4 " "
"				34.89'		22.5 Gut
"				34.67'		24.5 "
"				35.43'		" cb.
"				35.70'	7.3 1/4 Conc pav	
"				35.70'	17.3 edge Pav	

F.B. 3321 Pg. 110 Job No. 6111.04 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of Lomita Relief SD Date ____ Date ____ No. ____
Survey by ETM & CAN Notes Mankey Jr. Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed C. J. Date ____ Date ____ Date ____ No. ____

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Profile No. | Notes Rod | Plotted | Job No. 6111.04 Division No. 11
X-Sec. No. | Date | Date | Surveyed Lomita Relief 54
Notes Chkd. | Checked | Survey by [illegible] Notes by [illegible] Date 12-29-65
Date | Date | Map No. | Indexed L. J. Gall Date
F.B. 3321 Pg. 11

STATION	B. S.	H. I.	F. S.	ELEV.	X-SECTIONS 5'ly in NORMANDIE AVE
					Lt of ℄ Normandie Ave / RT of W
1+56.9				35.0'	36.3 dirt at wall
1+73.0	INVERT on 18" RCP		S.D.	31.78'	35.1 Elev on S.B. 3.66 C.B. to F.L.
1+92.1	End Headwall			35.15'	36.9 Top of wall
2+00				35.70'	25.2' F.L.
"				35.46	3.9' CTR Conc Pav.
"				35.05'	15.0' 1/2 " "
"				34.92	24.4' Gut
"				35.65'	26.9' "
"				36.5'	26.4' CL
"				43.0'	43' Top of Ballast
"				35.84	56.9' Top "
"				35.82	6.0' 1/4 Conc Pav
"				35.2'	16.0' edge "
					37' dirt at abutment
2+20.8	E.C.			35.90'	14.3' edge pav.
2+22.0	Wing wall			35.92'	39.5' Top wall
2+31.8	" "	at CB. flush		35.92'	29.4' Top wall
2+32.8	End Box Culvert			30.44'	29.6' F.L.
2+52.7'	"	"		30.52'	31.6' F.L.
2+53.7	Wing Wall at CB. flush			35.99'	31.7 Top Wall
2+57.7	INV. on 18" R.C.P.			30.78'	34.0' N.L. Direct
2+66.9	End of Wing Wall			35.94	39.5 Top Wall

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	X-SECTIONS S'ly in NORMANDIE AVE LT & E	℄ = Normandie Ave ℄ RT & W
2+71.6 Pav. B.C				36.20'	9.4' edge pav	
2+72.7 Inv. on 18" R.C.P.				32.21'	36.17' Top of C.B. 3.96 " to f.L. 32.21	35.0' f.L. direct
2+73.51 Int. with ℄ Ln to S.W.						℄
3+00				36.40'		13.0 CTR. Conc. Pav.
"				36.07'		24.2' 1/4 " "
"				35.72'		33.3 Gut
"				35.53'		35.3' "
"				36.16'		35.3 Cb
"				36.6'		46.0' Toe of Ballast
~~" So. end on Bridge~~						~~Top~~ "
"				36.54'		3.0' 1/4 Conc Pav
"				36.52'	7.0' E. edge " "	
"				36.7'	40' P/L	
3+56.0 E.C.				37.63'		5.2' 1/4 Conc Pav
"				37.50'		15.2' CTR. Conc. Pav
"				37.21'		26.2' 1/4 " "
"				36.75'		35.2 Gut
"				36.56'		37.2 "
"				37.29'		" Cb
"				38.2'		46.2' Toe Ballast

F.B. 3321 Pg. 112 Job No. 6111.04 Division No. 11 Notes Red Plotted Profile
Survey of LOMITA RELIEF S.D. Date Date No.
Survey by FTM Notes Monkey Jr. Notes Chkd. Checked X-Sec.
Indexed L. J. GALLI Date Date Date No.

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	X-SECTIONS S'ly in NORMANDIE AVE	
					LT & E	℄ = Normandie Ave ℄ RT & W
3+56.0	E.C.			44.0'		58.2' Top of Ballast
"				37.57'	4.8' edge pav	
"				37.8'	40' P/L	
4+00				38.64'		5.2' 1/4 Conc Pav
"				38.60'		15.2' Gr "
"				38.24'		26.2 1/4 " "
"				37.84'		35.1' Gut
"				37.61'		37.1' "
"				38.42'		" Cb
"				39.4'		48.1' Toe Ballast
"				44.2'		58.1' Top "
"				38.55	4.8' edge pav	
"				39.0'	40' P/L	
	X-SECTIONS ALONG ⊼ LN. S. W'ly from NORMANDIE AVE					
					LT & S.E.	⊼ = ⊼ LN. RT & N.W.
1+00	INT with Normandie Ave			36.23		⊼
1+15	End Box Culvert			30.44'		48.2' f.l.
1+15.5				30.5		49.6 dirt at wing wall
1+ 22.0				36.9'		63.4' Gr. Bar & Ballast Toe
1+23.4	End Box Culvert			30.52'		30.9' f.l.

Profile No. ____ Notes Red ____ Plotted ____ Job No. 6111.04 Division No. 11 F.B. 3321 Pg. 113
X-Sec. No. ____ Date ____ Date ____ Survey of Lomita Relief S.D. Project #104
Notes Chkd. ____ Checked ____ Survey by Yankey Jr. Notes Etowe Date 10-29-65
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date NOV 9 65

76-L-298 CE 307 2-63

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

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

Do not extend notes this side of this line.

F.B. 3321 Pg. 114 Job No. 6111-4 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of Lomita Refuse S.D. Date ____ No. ____ X-Sec. ____
Survey by Ethridge Notes Manhole #1 Notes Chkd. ____ Checked ____ No. ____
Indexed G. J. Gall Date ____ Date ____ Date ____

STATION	B. S.	H. I.	F. S.	ELEV.	X-SECTIONS ALONG TEN. S.W. System NORMANDIE
					L.T. & S.E. X-TLN. RT. & N.W.
1+24.0				30.6	29.1 Dist at Wing wall
1+27.2				30.9	24.7 " " "
1+29.0				30.6	42.3 Toe Slope
1+31.5				37.7	50° Top "
1+35				31.0	26° Toe Slope
1+39.5				37.2	43.6 Gr. Br.
1+40.1				30.8	36.8 Toe Slope
1+46.5				30.8	21' Toe "
1+52.0				31.5	42.7 Toe
1+52.1				34.7	
1+56.7				30.8	28.6 f.l.
1+58.8				39.2	10.7 Gr. Br.
1+59.0				31.6	42° Toe
"				37.1	50° Gr. Br.
"				41.4	56° Top Slope
1+64.7				33.0	6.0' Toe Slope
1+69.3				40.2	56.1 Top
1+73.3				32.9	11.7' Toe
1+80.				37.5	6.5 Gr. Br.
"				31.6	51.° Toe
"	lateral drainage ditch			32.8	100 f.l.

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	X-SECTIONS Along ⊼ Ln. S. Wily from Normandie	
					LT & S.E. ⊼	RT & N.W.
1+80°				39.7'	5.0' Gr. Br.	
1+83.5				32.4'		16.0' Toe
"				31.4		33.3' f.l.
"	lateral Drain Ditch			32.3'		55.0' f.l.
T.P.				31.61'		
1+86.5				39.5'	⊼ Gr. Br.	
2+09.3	lateral Drain Ditch			32.8'	⊼	
"	"	"	"	32.0'		15.0
"				31.4		35.0' f.l.
"				31.4'		53.0 Toe Slope
"				36.2'		64.5 Top "
2+28.5				37.5'		5.0' Top
"				32.7'		18.0 Toe
2+46.0	lateral Ditch			34.4	100' f.l.	
2+75.5	START Grav. Wall			31.5'		57.5 Toe Grav. Wall
"	"	"	"	35.1'		66.5 Top " "
3+00				37.4'		13.0 Top
"				32.3		24.5 Toe
"				31.6'		58.3' Toe Grav. Wall
"				36.1'		68.8 Top " "

Profile No. ____ Notes Red ____ Plotted ____ Job No. 6111.04 Division No. 11
X-Sec. No. ____ Date ____ Date ____ Survey of LOMITA RELIEF S.D.
Notes Chkd. ____ Checked ____ Survey by Marsh Notes E. Hill Date 10-29-65
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F.B. 3321 Pg. 115

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	X-SECTIONS ALONG ⊼ LN. S.W.'ly from NORMANDIE	
					LT & S.E.	⊼ RT & N.W.
3+00				36.7'		100' dirt
"				38.4'	50' Dirt	
3+55.5				39.2'		13.5' Top Gr. Wall
3+56.6				31.2'		33.0' edge of slab
3+62.0				31.6'		28.5 Toe Grav. Wall
3+63.9				39.26'		⊼ back of wk.
3+64.0				30.9'		56.9' Conc Slab
3+69.0				31.5'		57' Toe Grav Wall
"				38.6'		73' Top " "
3+72.7				39.04'		⊼ Cb
"				38.43'		⊼ Gut
3+75.4	Begin Box Culvert			31.59'		22.6 flow ln.
3+89.4	" " "			31.66'		50.0' flow ln.
T.P.				38.98'		
3+97.62	⊼ LN. & PT. & INT. with FRAMPTON AVE			38.70'		⊼ on M.H. Cover
4+19.7				38.32'		⊼ Gut.
4+27.6				39.17		⊼ back of walk
4+27.6	End Conc. Culvert			31.73'		10.0' Conc. f.l.
"	" " "			31.74'		40.8 " "
4+52.2	End of Transition			40.02'		5.7 Top Conc Slope

F.B. 3321 PG. 116

Job No. 6111.04 Division No. 11 Notes Red ____ Plotted ____ Profile ____

Survey of LOMITA RELIEF S.D. Date ____ Date ____ No. ____

Survey by ETM Jr. Notes Mackey Jr. Notes Chkd. ____ Checked ____ X-Sec. ____

Indexed ____ Date ____ Date ____ Date ____ No. ____

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	X-SECTIONS ALONG S.D. CHANNEL S.W'ly from Frampton LT. & S.E.	RT. & N.W.
4+52.2	End Transition			31.65'		18.2 Toe Conc Slope
"				31.76'		32.7 " " "
"				40.06'		45.2' Top " "
"				40.0'	4.3' dirt at fr.	
6+00				40.59'		5.7' Top Conc. Slope
"				32.10'		18.2' Toe " "
"				32.13'		32.7 " " "
"				40.59'		45.2 Top Slope
"				40.7'	4.3' dirt at fr.	
				40.90'		
7+22.0 T.P.	CTR. Outfall M.H. Rim EL.			41.14	13.0' Rim	
	INVERT on ~~56~~ 57" In from S.W.			16.78'	In S.W. 41.14 Rim EL 19.70 Rim to facet. 4.75 ~~4.66~~ Size of Pipe	Out N.E. 41.14 19.83 ~~4.66~~ 4.75
"	" ~~56~~ 57" Out to N.E.			16.65	~~16.78~~ 16.69 INVERTS	~~16.65~~ 16.56 I.M.
7+33.4	S.D. Channel B.C.			40.95'		5.7' Top Conc Slope
"				32.71'		18.2' Toe " "
"				32.68'		32.7 " " "
"				40.98'		45.2' Top "
"				41.2'	4.3' dirt at fr.	
7+92.6	Channel E.C.			41.31'	20.2' Top Conc Slope	
"				33.00	3.0' Toe " "	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 611104 Division No. 11 F.B. 3321 Pg. 117
Date ____ Date ____ Survey of Lomita Relief S.D.
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by Mackey Jr. Notes [illegible] Date 10-29-65
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	X-SECTIONS ALONG S.D.	EASE S.W.ly from FRAMPTON
					LT & S.E.	RT & N.W.
7+92.6				32.8'		13.7' Toe Conc. Slope
"				41.23'		29.0' Top " "
"				42.1'	47.2' Dir. tot. fn.	
BMSD 255 (Fd)				39.00'	BM S.D. 255 EL 39.006	FB 3318-13
					Frampton Ave. 0.18± miles	S.E.ly from 240TH ST. @
					STORM DRAIN CHANNEL	Bt. Spk. in S'ly Cb.
					10'± S.E. of C.B. opening	

F.B. 3321 Pg. 118

Job No. 6111.04 Division No. 11 Notes Red ____ Plotted ____ Profile ____

Survey of LOMITA RELIEF S.D. Date ____ Date ____ No. ____

Survey by ETM Jr. Notes Mankey Jr. Notes Chkd. ____ Checked ____ X-Sec. ____

Indexed C. J. GALLI Date 9 65 Date ____ Date ____ No. ____

Notes Ck'd by	Survey of LOMITA RELIEF	F. B. 3321	Pg. 119
Map No.	JN 6111.04 Tape Std °F		
Office Work	Surveyed by Mankay Jr.		
Checked	Notes EFM Jr. Date 10-20-65		
Date	Indexed C. J. GALLI NOV 9		

JN 6111.04

LOMITA RELIEF S.D. PROJECT #1104

LOC. IMP. IN

FRAMPTON AVE

BETWEEN NORMANDIE AVE & WESTERN AVE.

Mankay Jr.
Peterson
Clifford
Caro
Cherry

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

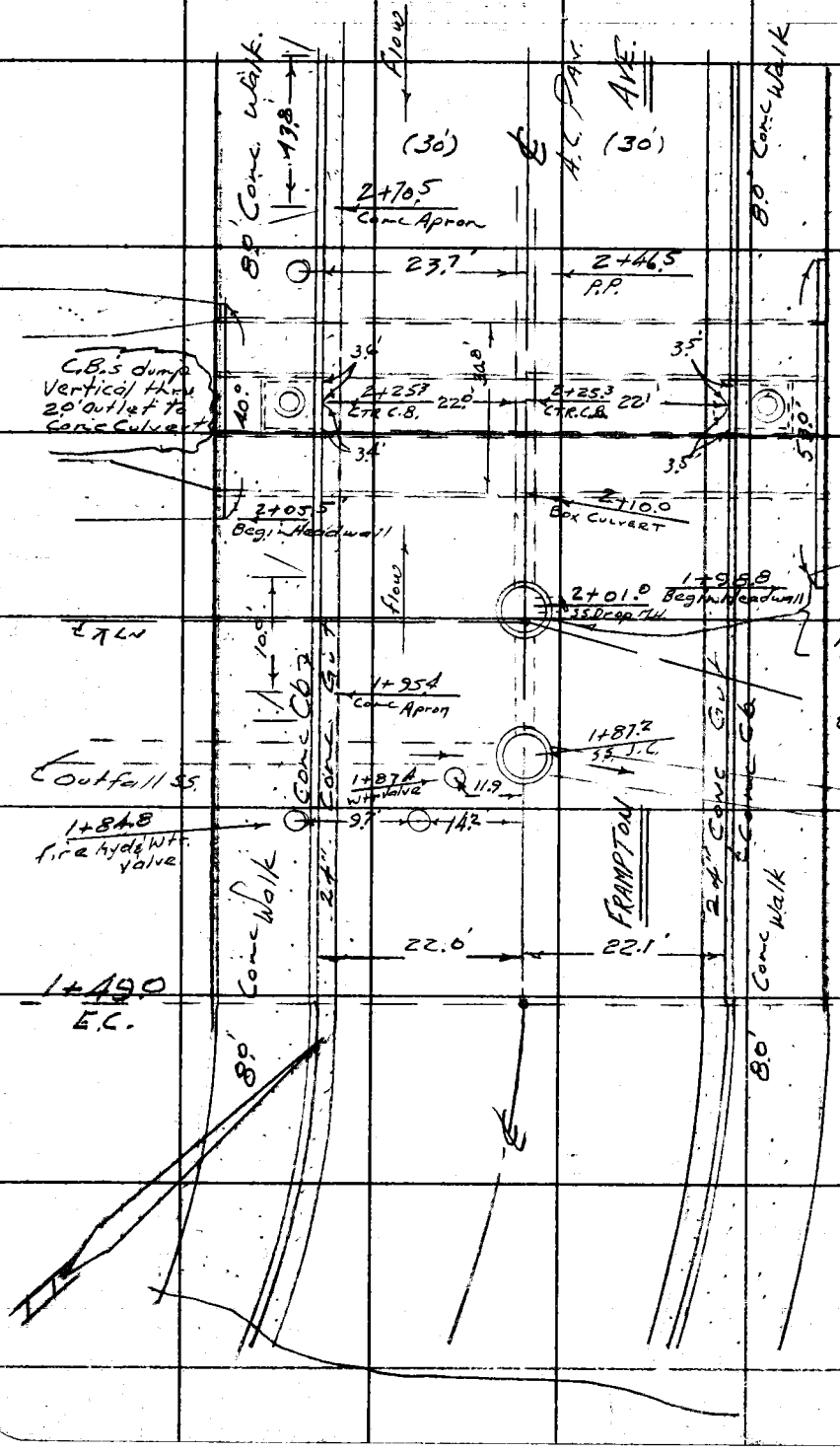
Do not extend this side of this line.

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

78F3098 S&E #247 11-58

F. B. 3321 PG. 120

To Bot Pg ~~120~~ 121



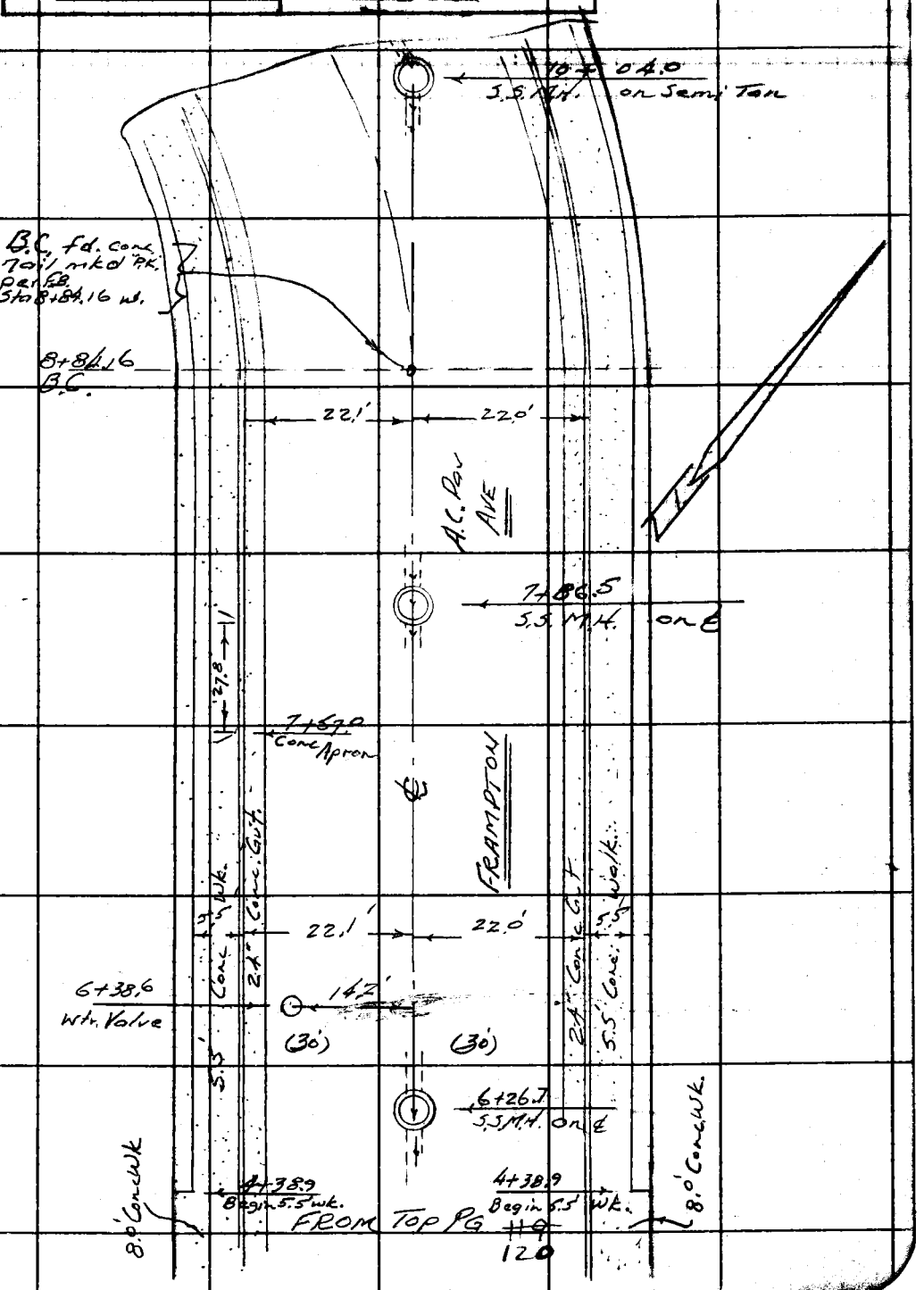
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend this side of this line.

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

Notes Ck'd by	Survey of LOMITA RELIEF S. D.
Map No.	JN 6111.04 Tape Std °F
Office Work	Surveyed by Mankey Jr.
Checked	Notes ETM Jr. Date 10-28-65
Date	Indexed [illegible]

F. B. 3321 PG. 121



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.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S S&E #247 11-58

F.B. 3321 Pg. 123

Profile No. ____ Notes Red ____ Plotted ____ Job No. 6111.04 Division No. 11
Date ____ Date ____ Survey of LOMITA RELIEF S.D.
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by Mankey Jr. Notes ETM Jr. Date 10-20-65
Date ____ Date ____ Map No. ____ Indexed G. J. GALLI Date NOV 9 65

JN 6V1104

LOMITA RELIEF S.D. PROJECT #1104

X-SECTIONS

IN

FRAMPTON AVE

BETWEEN NORMANDIE AVE & WESTERN AVE

Mankey Jr.
Peterson
Cara
Clifford
Cherry

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

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

Do not extend notes this side of this line.

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

76-L-298 CE 307 2-63

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	X-SECTIONS IN	FRAMPTON AVE
BM SD 255 (Fd)				39.01'	LT & S.W.	℄ = Frampton ℄ RT & N.E.
0+75.3				40.11		40' 1/4 A.C. Pav
"				40.41'		13' Gut
"				40.28'		15' Gut
"				40.90'		15' Cb
"				41.01'		23.1' Bk.Wk.
"				39.76'	7.0' CTR PAV.	
"				39.28'	18.3' 1/4 A.C. Pav	
"				38.93'	27.4 Gut	
"				38.79'	29.4' "	
"				39.43	Cb	
				39.64	37.4' Bk.Wk.	
1+75.3				38.81'		℄
"				38.78'		11' 1/4 Pav
"				38.62'		20' Gut
"				38.52'		22' "
"				39.14'		" Cb
"				39.37'		30' Bk.Wk.
"				38.73'	11' 1/4 Pav	
"				38.59'	20' Gut	
"				38.44'	22' "	
"				39.09'	" Cb	
"				39.30'	30' Bk.Wk.	

F.B. 3321 PG. 124 Job No. 6111.04 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of Lomita Reliee S.D. Date ____ Date ____ No. ____
Survey by ETM Notes Markeydt Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed L. J. GALLI Date ____ Date ____ Date ____ No. ____

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	X-SECTIONS in FRAMPTON AVE		
					LT & S.W.	℄	RT & N.E.
1+87.2	CTR. S.S.J.C.		Rim El.	38.74'	in 38.74' Rim El 17.64 Rim to face 4.75 ~~4.67~~ Size of Pipe ~~16.43~~ INV. 16.35	out 38.74' 17.75' ~~4.67~~ 4.75 ~~16.32~~ 16.24	℄ Inlet on N.W. non determinable
	Inv on ~~56~~ 57" Inlet from S.W.			16.43'			
"	" " Out to N.E.			16.32'			
2+01.0	CTR. SS. Drop Mh.			38.70		℄ Rim Nin	Nw In
	INVERT Direct to Ctr. of Drop Mh.			20.17	38.70 Rim El 18.53 Rim Direct to F.L. 20.17 INV.	38.70 Rim El 18.94 Rim to face 25 Size of Pipe 28.04 INV.	38.70 18.86 21 28.09
	" on 21" VCP In. on N.			28.01'			
	" " " " N.W.			28.09			
	NOTE: Inlets on N & N.W. both drop approximately 8' to F.L. EL. of 28.17±						
2+15.3				38.64'		℄	
"				38.57'			11 1/4 Pav.
"				38.40'			20' Gut
"				38.30'			22' "
"				38.96'			" Cb
"				39.12'			30' Bk. Wk. Top of wall
"				38.58'	11' 1/4 Pav		
"				38.47'	20' Gut		
"				38.36'	22' "		
"				39.00	" Cb		
"				39.17	30' Bk. Wk. Top of wall		
2+25.3	CTR. of C.B.			38.42'			20' Gut
"				38.24			22' Gut
"				38.98'			" Cb

Profile No. ____ Notes Red ____ Plotted ____ Job No. 6111.04 Division No. 11 F.B. 3321 Pg. 125
X-Sec. No. ____ Date ____ Date ____ Survey of Lomita Relief S.D.
Notes Chkd. ____ Checked ____ Survey by Mankey Jr. Notes Ermit Date 10-29-65
Date ____ Date ____ Map No. ____ Indexed G. J. GALLI Date ____

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	X-SECTIONS IN FRAMPTON AVE LT & S.W.	℄	RT & N.E.
2+25.3	CTR	C.B.		38.47'	20' Gut		
"				38.25	22' Gut		
"				38.98'	" Cb		
2+35.3				38.69		℄	
"				38.63'			11' 1/4 Pav
"				38.43'			20' Gut
"				38.35			22' "
"				39.00			" Cb
"				39.16'			Top Wall & 30' Bkwk
"				38.65	11' 1/4 Pav		
"				38.45	20' Gut		
"				38.32'	22' "		
"				38.99	Cb		
"				39.20'	Top Wall & 30' Bkwk		
2+75.3				38.81'		℄	
"				38.73'			11' 1/4 Pav
"				38.65'			20' Gut
"				38.52'			22' "
"				39.16'			" Cb
"				39.32'			30' Bkwalk

F.B. 3321 PG. 126

Job No. 6111.04 Division No. 11 Notes Red ____ Plotted ____ Profile ____

Survey of Lomita Relief S.D. Date ____ Date ____ No. ____

Survey by ETM Jr. Notes Mackey Jr. Notes Chkd. ____ Checked ____ X-Sec. ____

Indexed C. J. CALLI Date ____ Date ____ Date ____ No. ____

76-L-298 CE 307 2-63

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

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

Do not extend notes this side of this line.

Profile No.___ X-Sec. No.___ Notes Red___ Date___ Notes Chkd.___ Date___ Plotted___ Date___ Checked___ Date___

Job No. 6111.04 Division No. 11 Survey of LOMITA RELIEF S.D. Survey by Monkey Jr. Notes ETAL Date 10-29-65 Map No.___ Indexed C. J. GALLI Date___

F.B. 3321 Pg. 127

X-SECTIONS in FERMPTON AVE

STATION	B. S.	H. I.	F. S.	ELEV.	LT & S.W.	℄	RT & N.E.
2+75.3				38.78'	11' ¼ Pav		
"				38.62'	20' Gut		
"				38.52'	22' "		
"				39.19'	" Cb.		
"				39.33	30' Bk.Wk.		
3+75.3				39 34		℄	
"				39 25			11' ¼ Pav
"				39 13			20' Gut
"				38 97			22' "
"				39 61			" Cb.
"				39 79			30' Bk.Wk.
"				39 27	11' ¼ Pav		
"				39 08	20' Gut		
"				39 01	22' "		
"				39 66	" Cb.		
"				39 84	30' Bk.Wk.		
4+00				39 65		℄	
5+00				40 91		℄	
6+00				42 31		℄	
"				42 27			11' ¼ Pav

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

T.P. 42.55

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	X-SECTIONS in FRAMPTON AVE LT & S.W.	℄	RT & N.E.	
6+00				42.09			20' GUT	
"				41.97			22 GUT	
"				42.63			22 CB	
"				42.71			27.5 BK WALK	
"				42.21	11 1/4 PAV			
"				42.11	20 GUT			
"				41.97	22 GUT			
"				42.63	22 CB			
"				42.72	27.5 BK WALK			
6+26 I	S.S.M.H.			42.77		℄		
Inv on 18"	Stub on N.E.			30.15	Stub N.E. 42.77 Rim EL		In N.W. 42.77	Out S.E. 42.77'
" "	Inlet from N.W.			30.41	11.12 Rim to facet		11.36	11.43
" "	Out to S.E.			29.84	1.50 Size of Pipe		1.00	1.50
					30.15'		30.41	29.84'
7+00				43.81		℄		
7+86 S	S.S.M.H.			45.00		℄		
Inv on 12" VCP.	In N.W.			36.97	In N.W. 45.00 Rim EL		Out S.E. 45.00	
" " " "	Out S.E.			36.76	7.03 Rim to facet		7.24'	
					1.00 Size of VCP		1.00'	
					36.97 INV		36.76	

F.B. 3321 Pg. 128 Job No. 6111.04 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of LOMITA RELIEF SD Date ____ Date ____ No. ____ X-Sec. ____
Survey by ETM Jr. Notes Monkey Jr. Notes Chkd. ____ Checked ____ No. ____
Indexed C. J. GALLI Date ____ Date ____ Date ____

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	X SECTIONS IN FRAMPTON AVE	
					LT. & S.W.	℄ RT. & N.E.
8+00				45 21		℄
"				45 36		11 1/4 PAV
"				45 49		20 GUT
"				45 30		22 GUT
"				45 94		22 CB
"				46 02		27.5 BK WK.
"				45 05	11 1/4 PAV	
"				44 88	20 GUT	
"				44 79	22 GUT	
"				45 45	22 CB	
"				45 59	27.5 BK. WALK	
10+04	S.S.M.H.			49 20		℄
INV. on 12"	Inlet from N.W.			40.09'	49.20 Rim EL.	49.20'
					8.11 Rim to facet	8.24
"	" "	Out to S.E.		39.96	1.00 Size of Pipe	1.00
					40.09 INVERT	39.96'
B.M. SD.225 (fd)				39 00	BM SD 255 EL 39.006' F.B. 3318-13 Frampton Ave., 0.18± Mi. S.E'ly from 26th St. @ STORM DRAIN CHANNEL. Bt. Spk. in S'ly Cb., 10'± S.E. of Catch Basin opening	

Profile Notes Red ____ Plotted ____ Job No. 6111.04 Division No. 11 F.B. 3321 Pg. 129
No. ____ Date ____ Date ____ Survey of LOMITA RELIEF S.D. Proj. # 1104
X-Sec. Notes Chkd. ____ Checked ____ Survey by MANKEY JR Notes JCP Date 11-1-65
No. ____ Date ____ Date ____ Map No. ____ Indexed I. GALLI Date ____

NOTES RED _____ JOB NO. 0850.03 SURVEY OF Lomita S.D.# 1104 F.B. 3321 PG. 131

DATE _____ SURVEY BY English

NOTES CHKD J. Contardo NOTES BY Foulger DATE 1-15-69

DATE 1-31-69 INDEXED [redacted] DATE [redacted]

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

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
						LOMITA RELIEF S.D. PROJECT NO. 1104 - REALIGNMENT J.N. ~~0850.03~~ 0805.03
						BENCH LEVELS - FROM PRESIDENT AVE. & 247th ST. TO WALNUT AVE. & LOMITA BLVD.
						Jan. 13, 1969 English Foulger DuPuis Clifford

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

765420 S & E-333 4-54

768420 S & E-353 4-54

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 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

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
Fd. B.M. SD 263	59.754				59.754	B.M. S.D. 263 EL. 59.754 F.B. 3318-16
+	5.759	✓	5.649			247th ST., No. Side, 662' ± W. of ℄
⊼	65.513	+0.378	+0.380	+0.378		President AVE., Bt. Spk. in cb. opp. House
−	5.381		5.269			#1606.
T.P. #1	60.132					Spk.
+	6.388	✓	6.289			
⊼	66.520	+0.925	0.925	+0.922		
−	5.463		5.364			
T.P. #2	61.057					"
+	5.661	✓	5.561			
⊼	66.718	+0.579	+0.580	+0.577		
−	5.082		4.981			
Fd. B.M. SD 264	61.636	✓			61.631	B.M. S.D. 264 EL. 61.631 F.B. 3318-16
+	3.659	✓	3.798			247th St. & Western Ave., So. Side
⊼	65.295	-3.006	-3.004	-3.007		int., Bt. Spk. in W. cb. of Median
−	6.665		6.802			strip, 7.5' S. of S. end C.R.
Set B.M. SD 264-A	58.630				58.624	B.M. S.D. 264-A EL. 58.624
+	6.647	✓	6.290		58.62	247th PL. & Western Ave Service Rd.
⊼	65.277	+0.420	+0.420	+0.417		W. side., Fd. Rd. hd. Spk. in curb
−	6.227		5.870			E. side, 15' N. of ℄ 247th PL.
T.P. #3	59.050					Spk.
+	8.977	✓	9.053			
⊼	68.027	+4.943	+4.946	+4.943		
−	4.032		4.107			
T.P. #4	63.995					"
+	5.964	✓	5.863			
⊼	69.959	+0.388	+0.388	+0.385		
−	5.576		5.475			
T.P. #5	64.380					"

JOB NO. 085003 SURVEY OF Lomita S.D. #1104 NOTES RED. DATE
SURVEY BY English NOTES CHKD. J. Cavataio
NOTES BY Foulger DATE 1-69 DATE 1-31-69
INDEXED B.R. GALLI DATE

F.B. 3321 PG. 132

76S420 S & E-353 4-54

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 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

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P. #5	64.380					Spk.
+	5.272	✓	5.112			
π	69.652	-1.746	-1.746	-1.749		
−	7.018		6.858			
T.P. #6	62.634					"
+	4.890	✓	4.776			
π	67.524	-1.545	-1.547	-1.545		
−	6.435		6.518			
Set B.M. S.D. 268A	61.089				61.075	B.M. S.D. 268A EL. 61.075
+	4.202	✓	4.[illegible]		61.07	247th PL, W. end, 0.2 mi. W. of
π	65.292	-1.578	-1.578	-1.581	[illegible]	Western Ave, Fd. Rewset nail in
−	5.[illegible]		5.6[illegible]			conc. cb., S. side @ B.C.R. in front
T.P. #7	59.511					of Ho. # 1865
+	5.379	✓	5.160			1×1
π	64.890	+0.681	+0.681	+0.678		
−	4.698		4.479			
T.P. #8	60.192					
+	3.773	✓	3.6[illegible]			
π	63.965	-2.[illegible]	-2.043	-2.045		
−	5.815		5.675			
fd. B.M. S.D. 268	58.150				58.127	S.D. 268, el. 58.127, F.B. 3318-8 Walnut St. & Lomita Blvd., N.E. Cor. Bt. Spk. in cb. 20'± N. of N. end C.R. (in conc. C.B.).

NOTES RED. JOB NO. 0850.03 SURVEY OF Lomita S.D. # 1104
DATE SURVEY BY English
NOTES CHKD. [illegible] NOTES BY [illegible] DATE 1-62
DATE 1-31-69 INDEXED [illegible] DATE

F. B. 3321 PG. 133

Notes Ck'd by J. Cavanaio	Survey of Lomita Relief SD F.B. 3321 Pg. 125
Map No.	JN 0850.03 Tape 0197 Std 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 1-69
Date	Indexed D.L. GALLI JAN 30 '69

LOMITA RELIEF
STORM DRAIN
PROJECT #1104.
REALIGNMENT.

J.N. ~~0850.03~~
0805.03

Centerline Survey
From: 247th PL.
and Western Ave.
To: Walnut St. and
Lomita Blvd

Ref:
F.B. 3318

Jan. 13, 1969
English
Foulger
Clifford
Dupuis

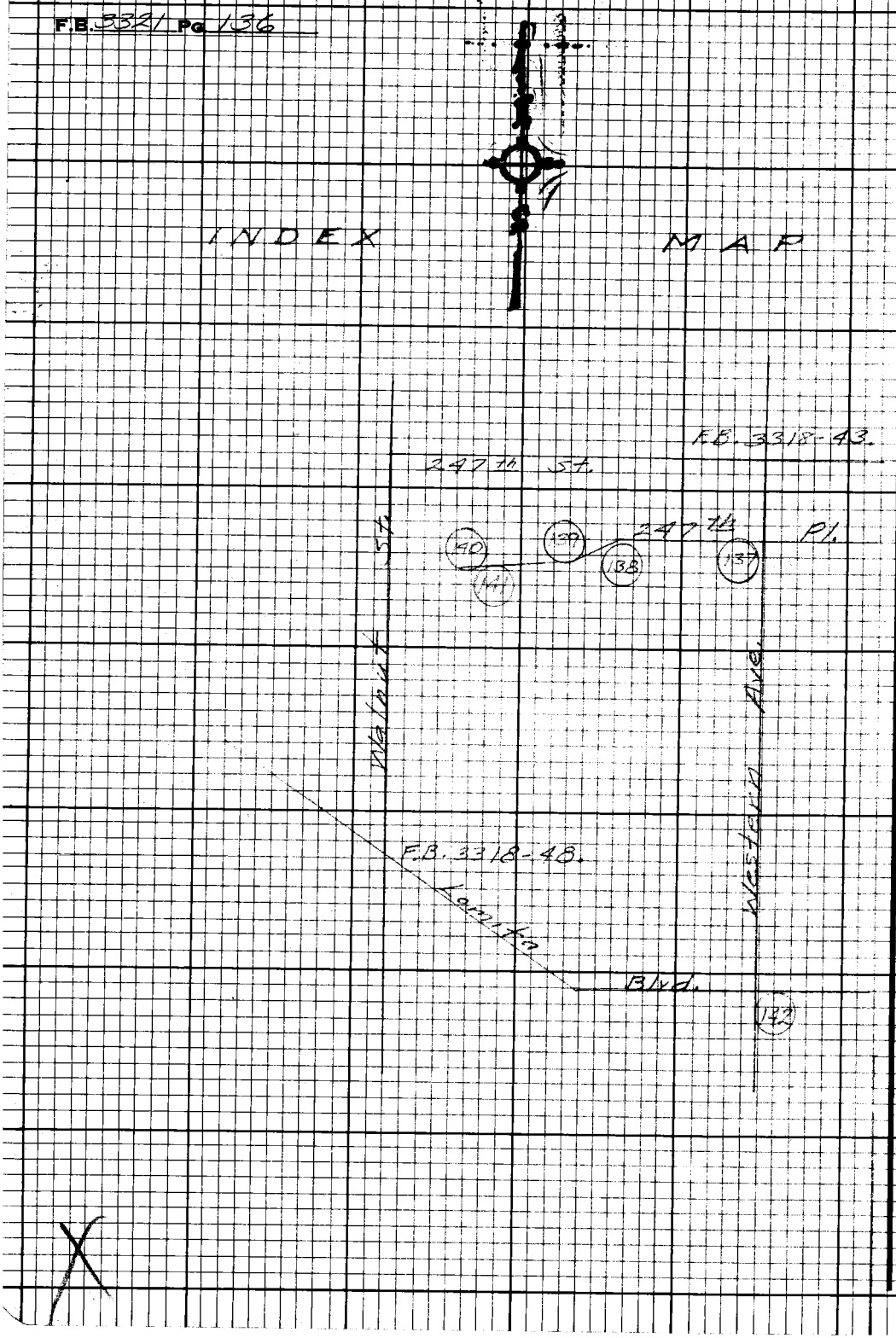
Note: Any Additions or Changes on this Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3098 CE#310 9-67

F.B. 3321 Pg 136



PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

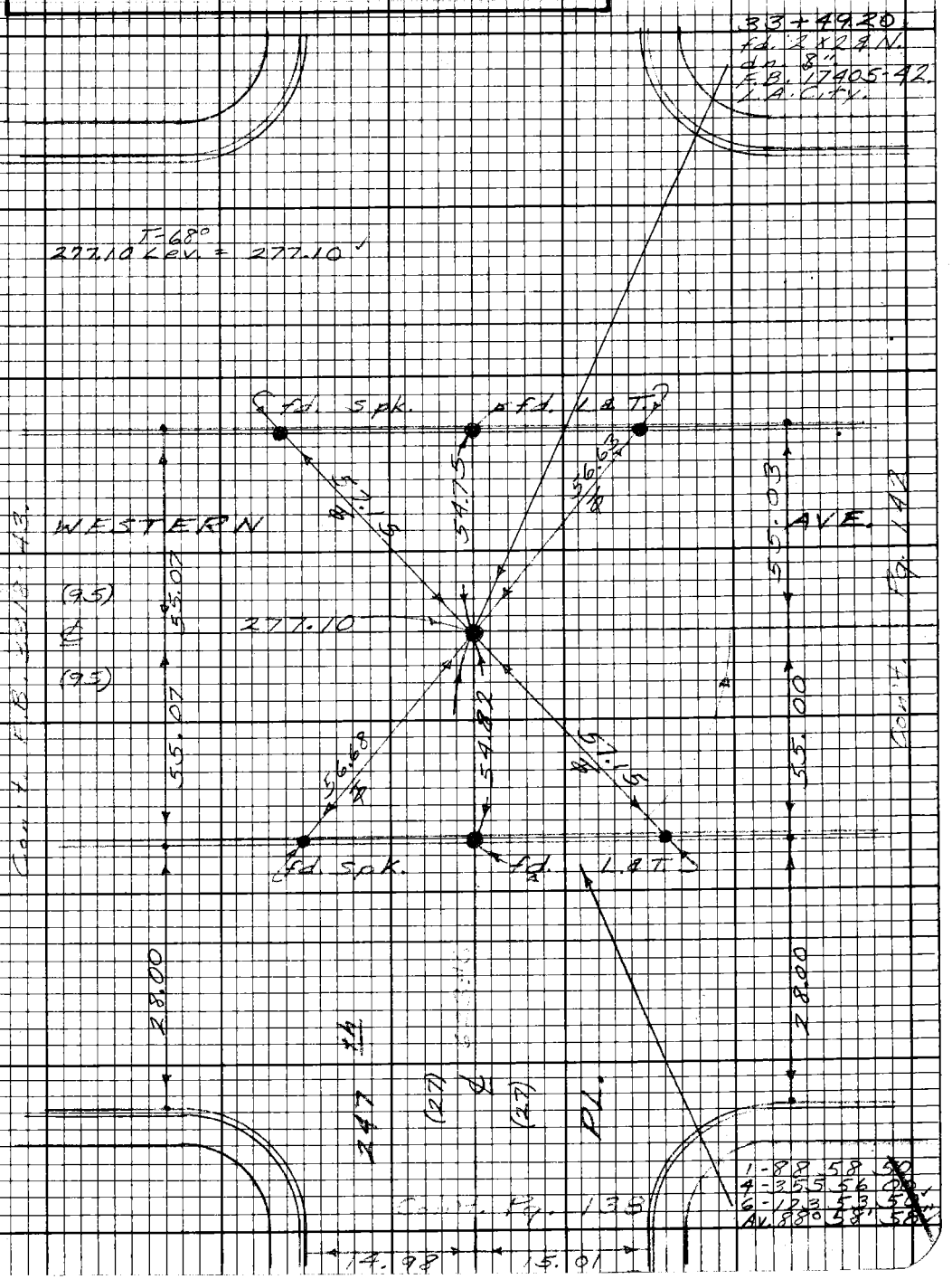
Note: Any Additions or Changes on this Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend this side of this line.

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

Survey of [illegible]
JN 0850.03 Tape 179 Std 68 °F
Surveyed by [illegible]
Notes Ed. 1 Date 1-69
Indexed [illegible] GALLI

F.B. [illegible] Pg. 137



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

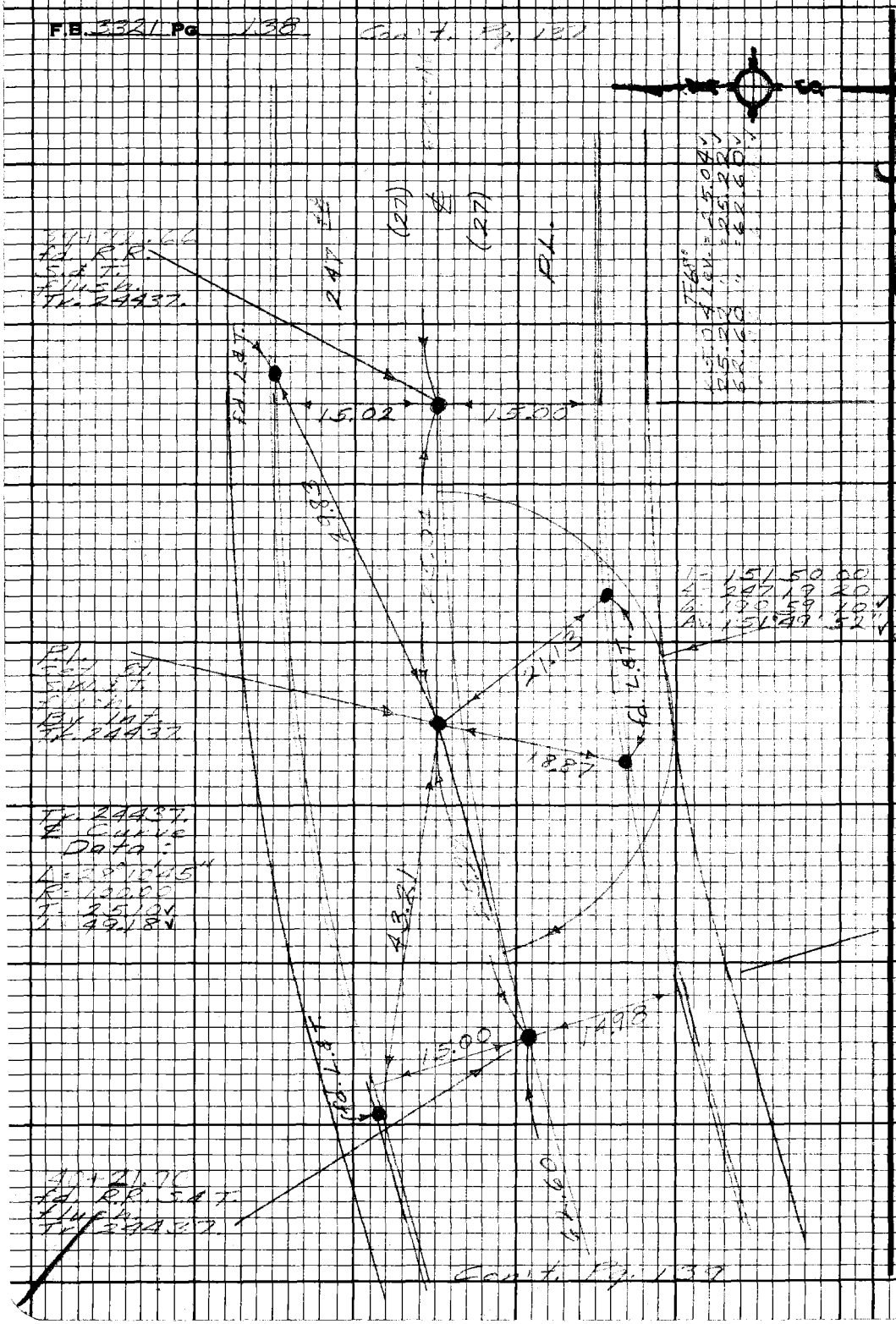
Do not extend this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3098 CE#310 9-67

F.B. 3321 Pg 138

Con't. Pg. 137



Con't. Pg. 139

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend this side of this line.

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

Notes Ck'd by J. Cavaraid	Survey of [illegible]
Map No.	JN 135223 Tape 179 Std 68 °F
Office Work	Surveyed by English
Checked	Notes E[illegible] Date 1-67
Date	Indexed B.L. GALL

F.B. 2221 Pg. 139

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.

WS 28 A3

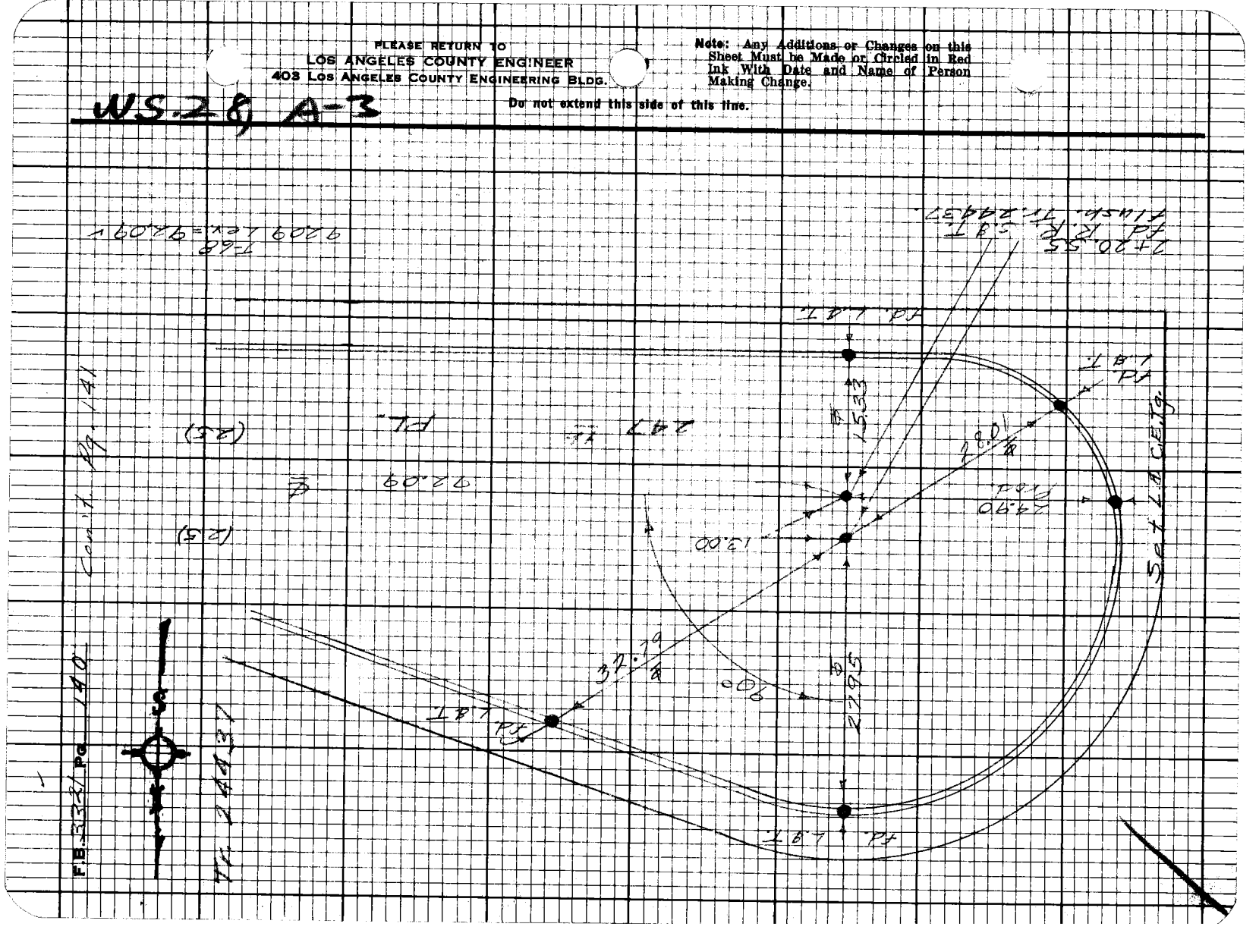
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.
75F3098 CE#310 9.67

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend this side of this line.

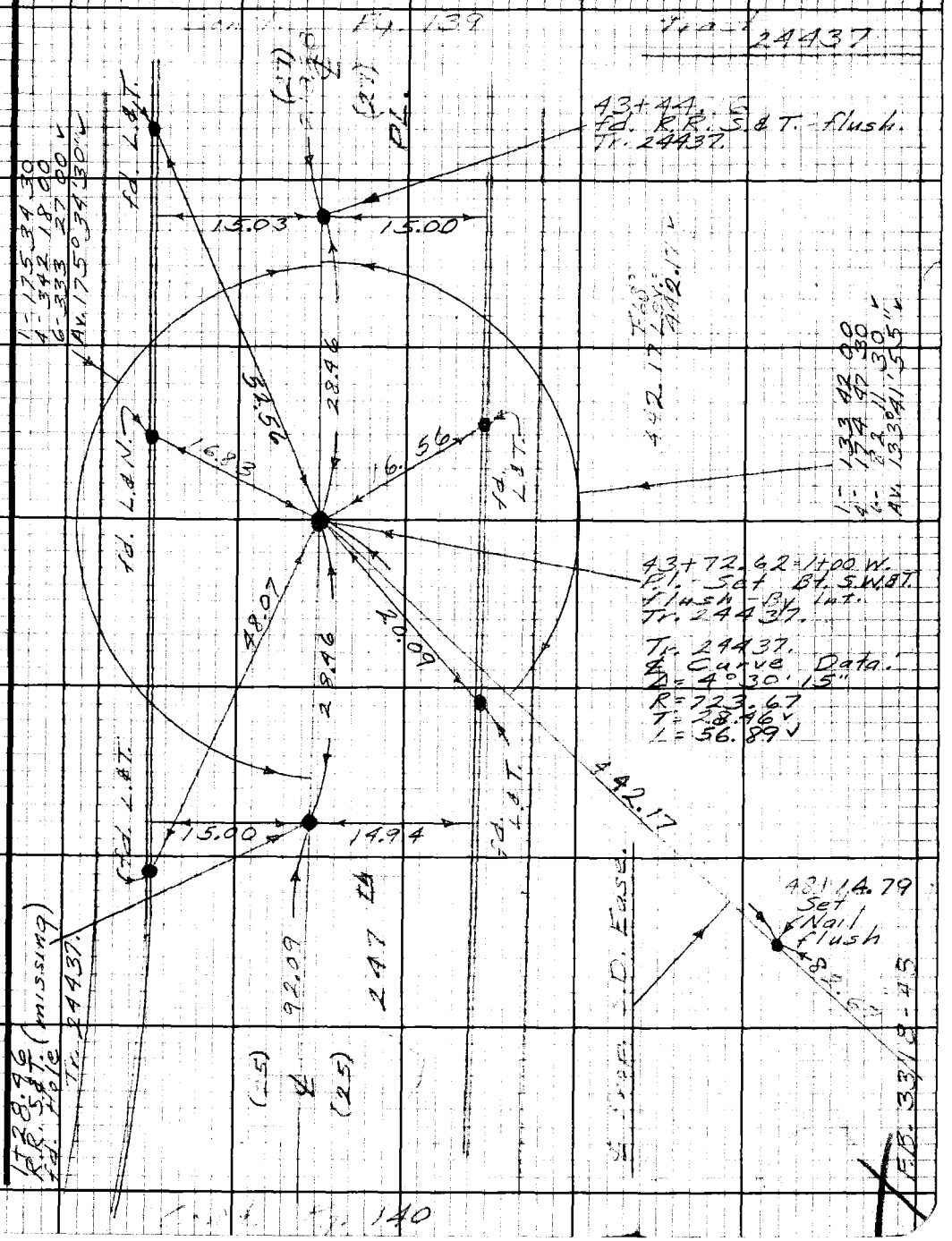
W.S.28 A-3



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

Survey of
JN 48 00 13 Tape 179 Std 18 °F
Surveyed by
Notes Date
Indexed B.L. GALLI

F.B. 3371 Pg. 141



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.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

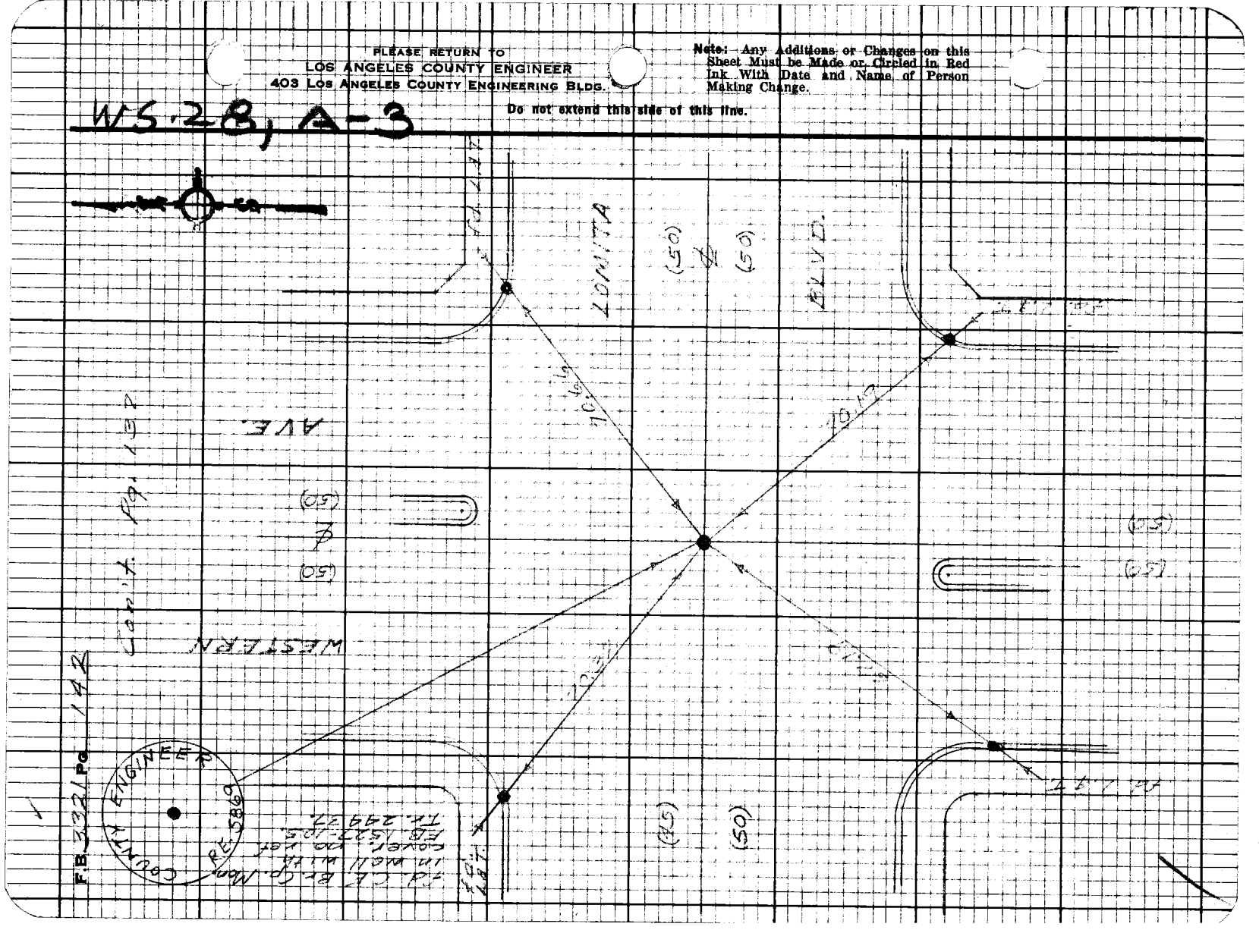
7673098 CE#310 9-67

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend this side of this line.

WS 28, A-3



Notes Ck'd by	Survey of Lomita SD #114
Map No.	JN 0850.03 Tape 0197 Std 68 °F
Office Work	Surveyed by English
Checked	Notes Foulger Date 1969
Date	Indexed [redacted] GALLI 3-30-69

F.B. 3321 Pg. 143

LOMITA RELIEF STORM DRAIN

PROJECT #1104

REALIGNMENT

J.N. ~~0850.03~~
0805.03

TOPOGRAPHY

247th STREET - From President Ave To Western Ave. - (Additional Topog.) F.B. 3318-102

WESTERN AVE. - From 247th Street To 247th PL.

247th PLACE - From Western Ave To West end and from West end 247th PL. To Int. Walnut Ave & Lomita Blvd.

Ref. F.B. 3318-102

Jan. 13, 1969
English
Foulger
Clifford
DuPuis

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.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3098 CE#310 9-67

F.B. 3321 Pg 144

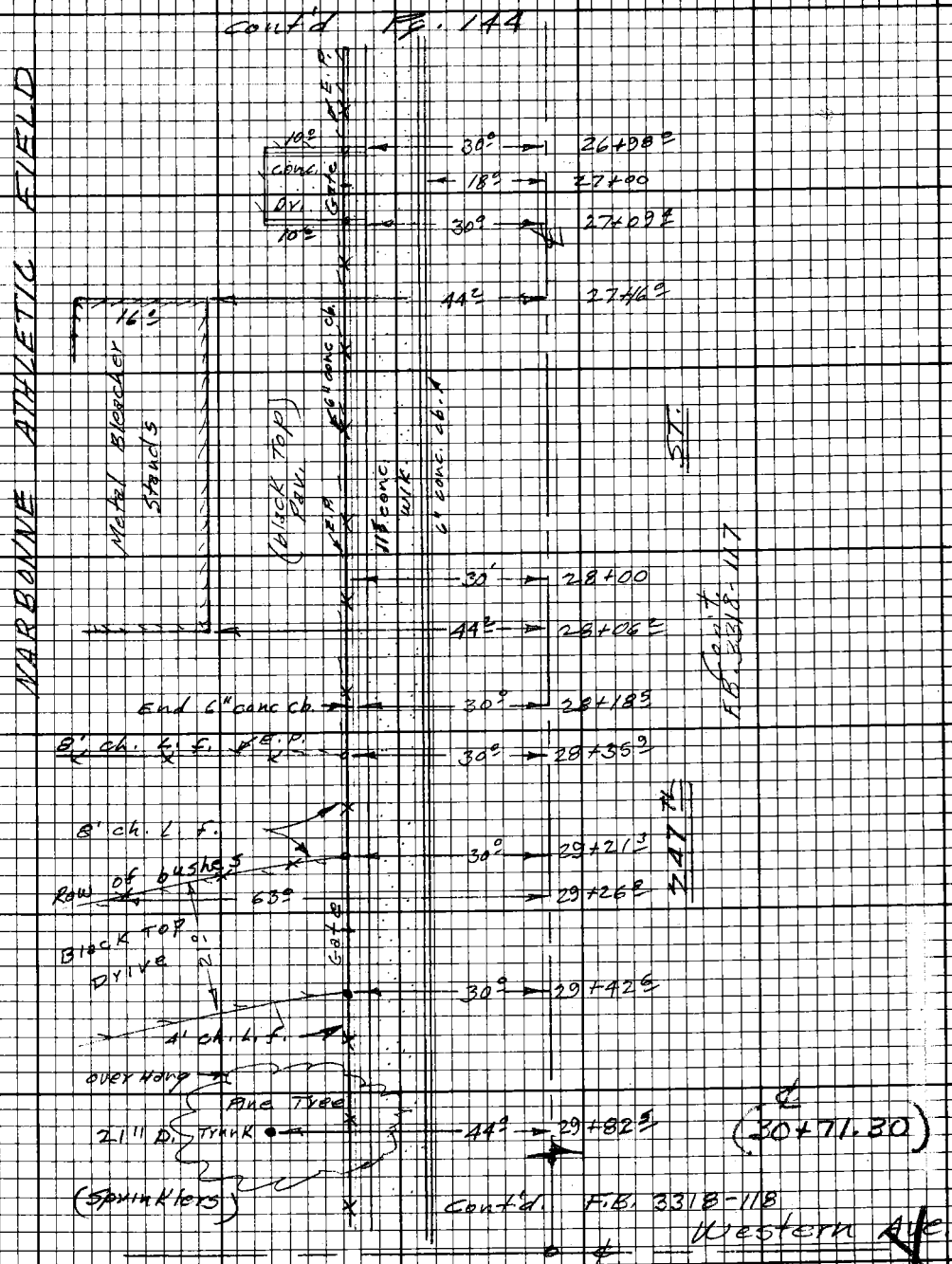
cont'd F.B. 3318-115

cont'd Pg. 145

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
408 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.
Note: Any Additions or Changes on this Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Lomita S.D. #404
Map No.	JN 0850.03 Tape 0197 Std 68 °F
Office Work	Surveyed by English
Checked	Notes Foulger Date 1-69
Date	Indexed G.L. GALLI

F.B. 3321 Pg. 145



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

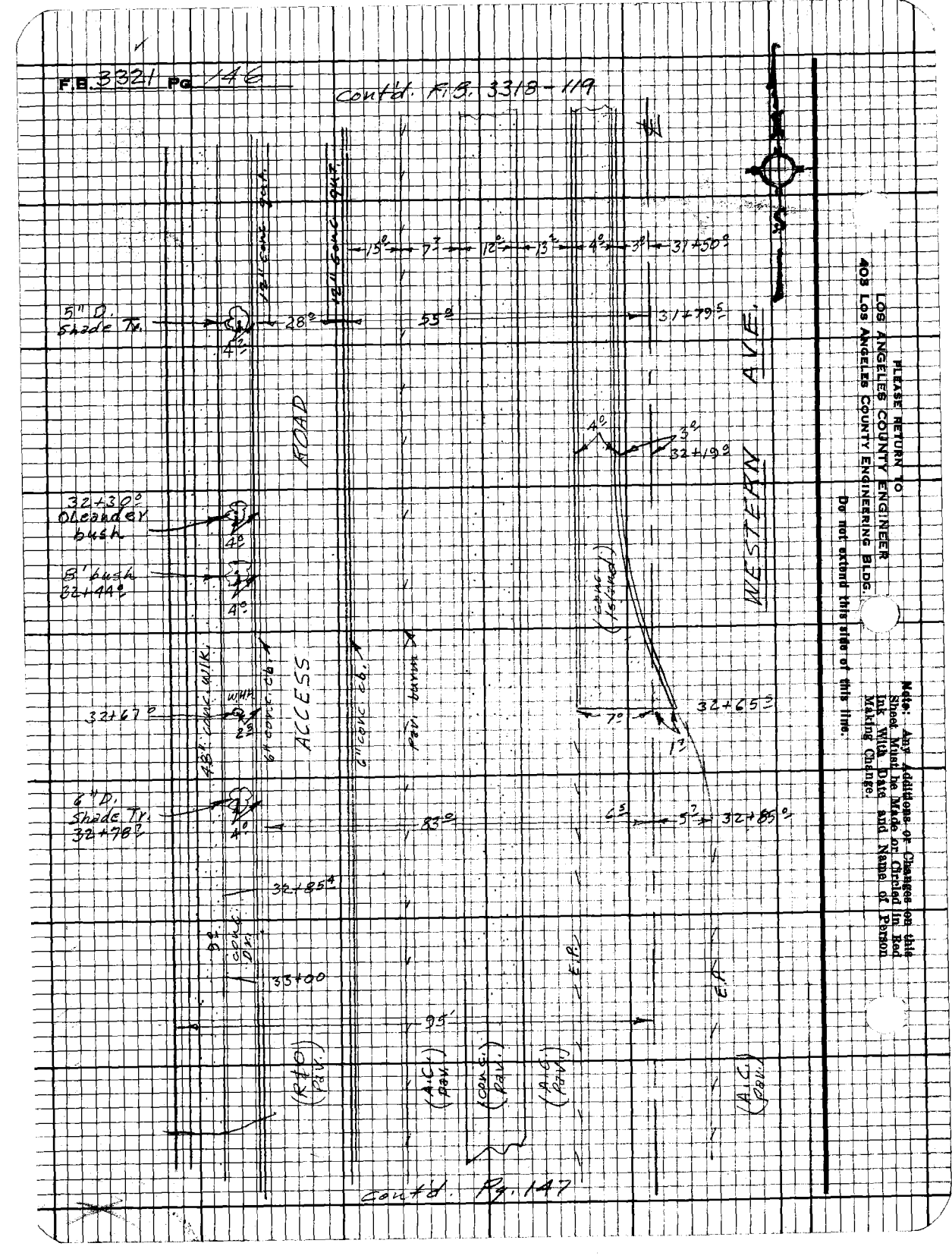
Do not extend this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3098 CE#310 9.67

F.B. 3321 PG 146

Contd. F.B. 3318 - 119



Cont'd. Pg. 147

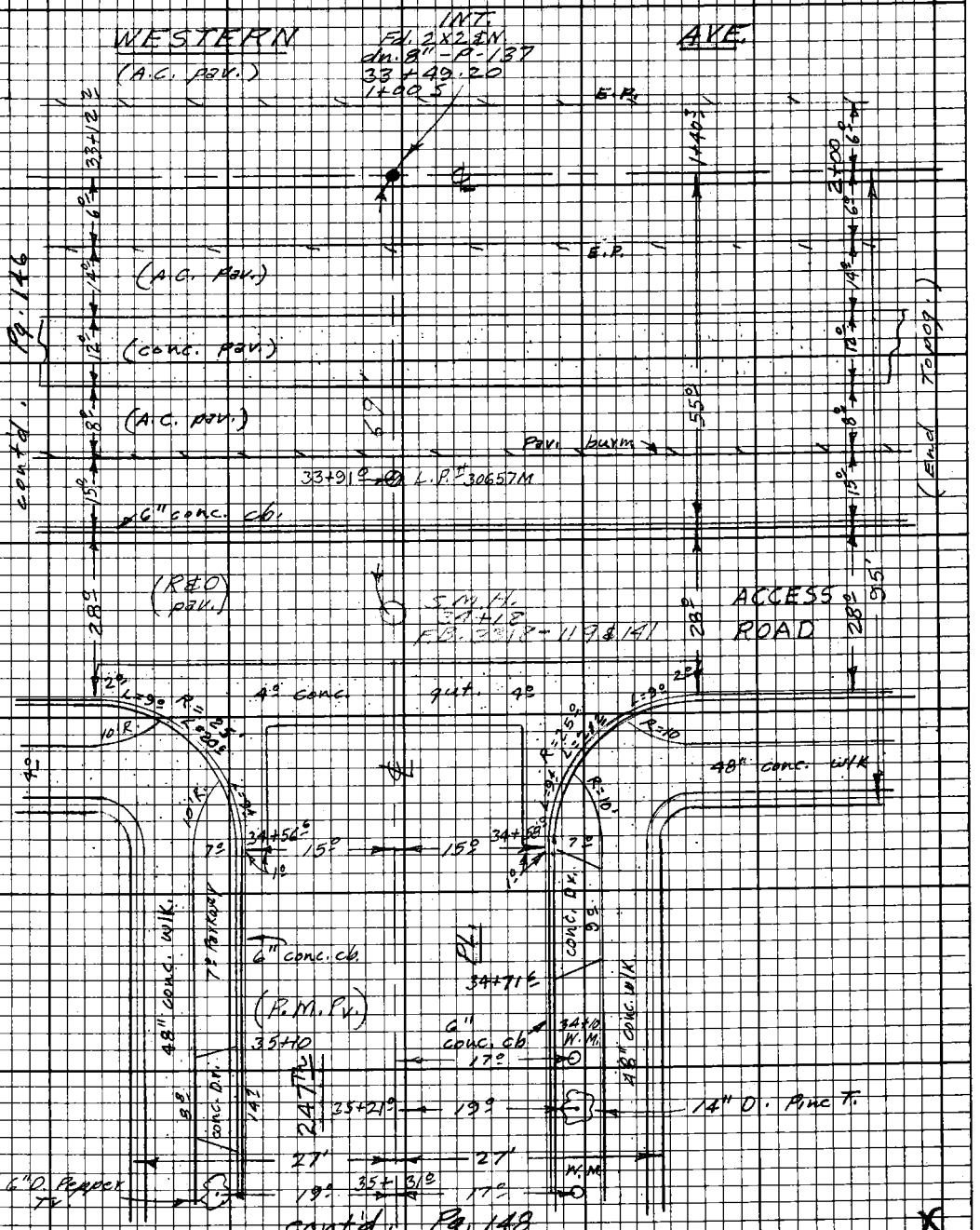
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 Los Angeles County Engineering Bldg.

Do not extend this side of this line.

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

Notes Ck'd by	Survey of [illegible]
Map No.	JN 0850.03 Tape 0197 Std 68 °F
Office Work	Surveyed by Eng/Lab
Checked	Notes Fowler Date 1-69
Date	Indexed [redacted]

F.B. 3321 Pg. 147



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

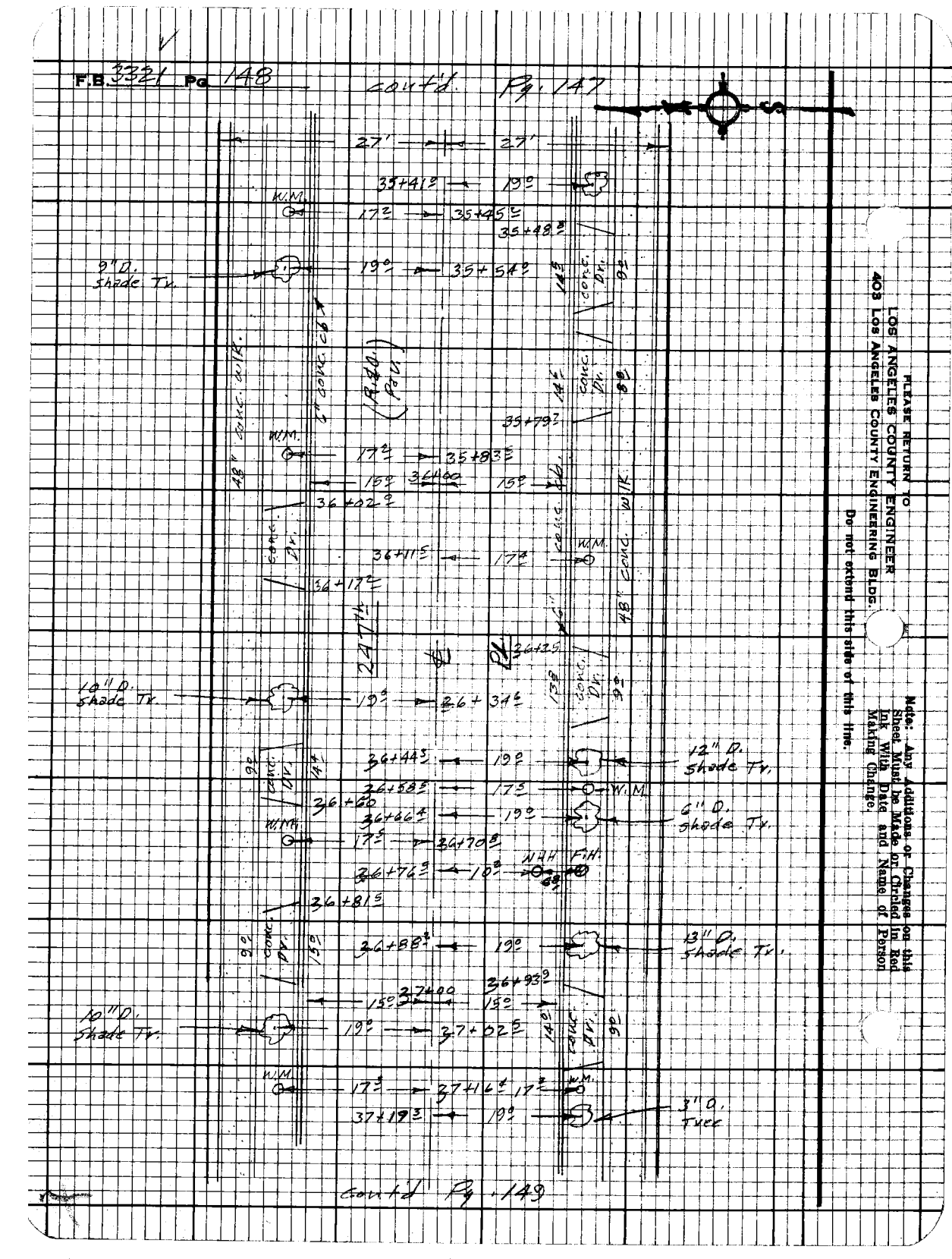
Do not extend this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3098 CE# 310 9-67

F.B. 3321 Pg. 148

Cont'd Pg. 147



Cont'd Pg. 149

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

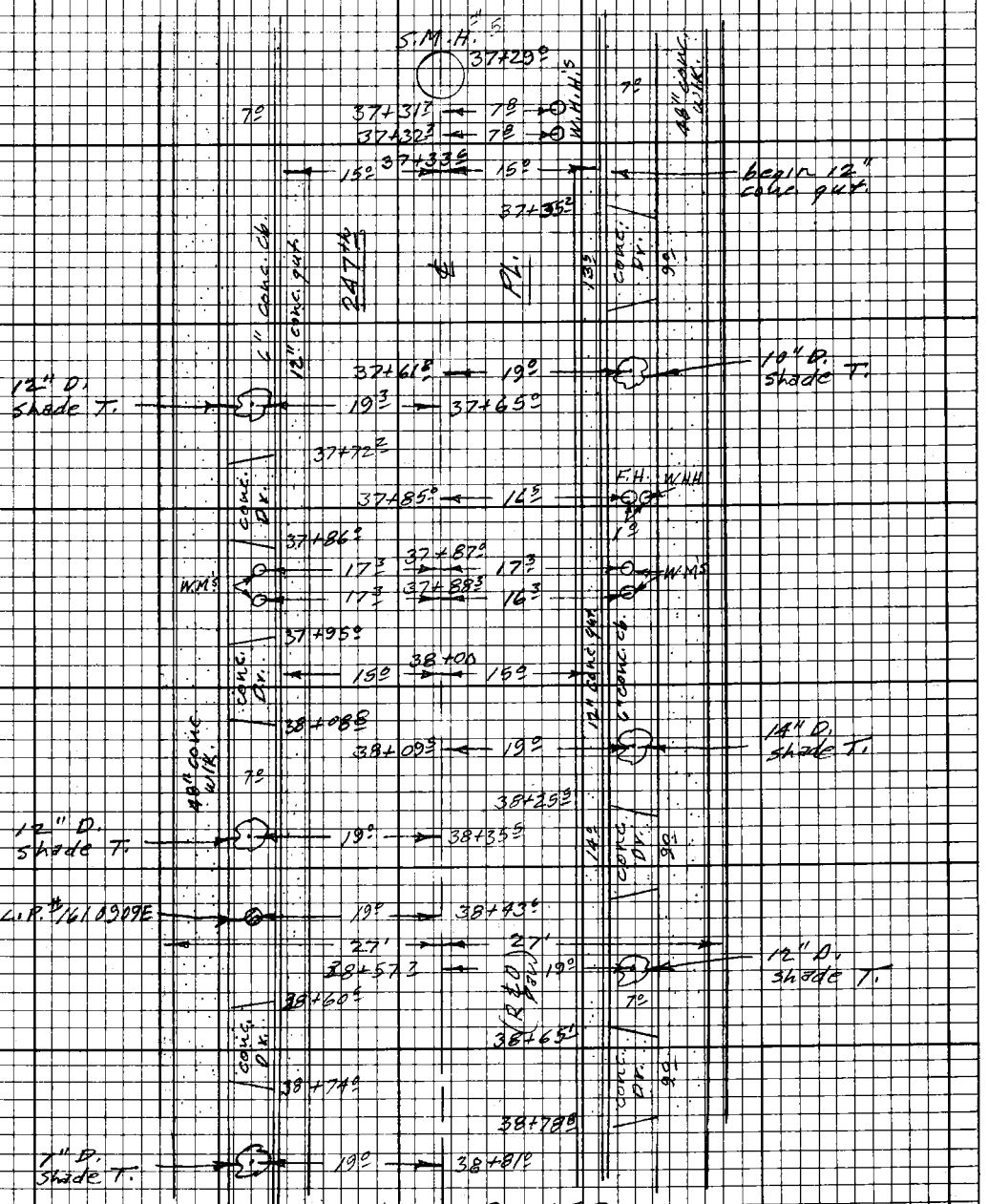
Do not extend this side of this line.

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

Notes Ck'd by	Survey of Lomita S.D. #1101
Map No.	JN 0850.03 Tape 0197 Std 68 °F
Office Work	Surveyed by English
Checked	Notes Fowler Date 1-69
Date	Indexed [redacted] GALLI

F.B. 3321 Pg. 149

Cont'd. Pg. 148



Cont'd. Pg. 150

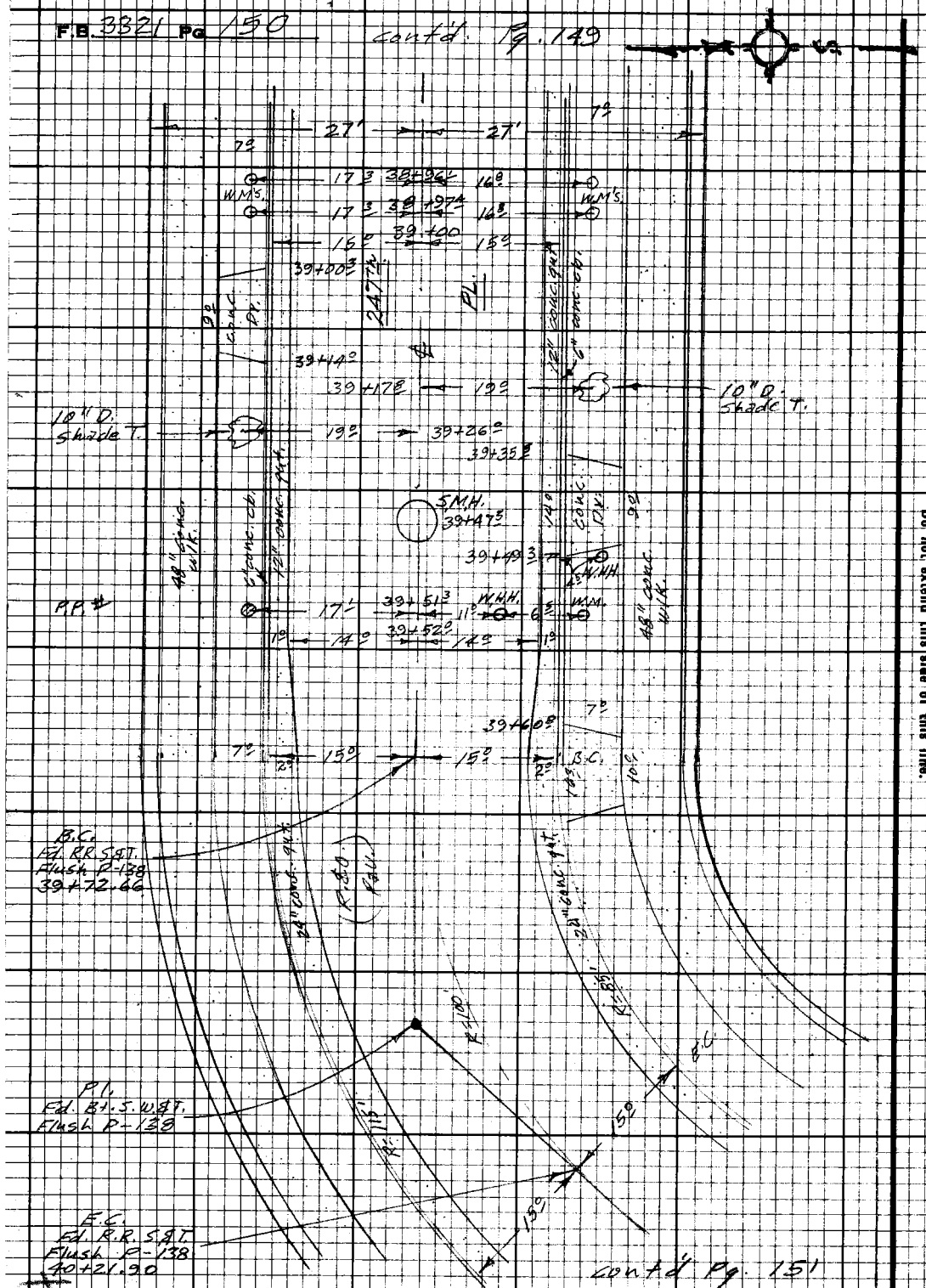
Note: Any Additions or Changes on this Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

75F3098 CE#310 9-67

F.B. 3321 Pg 150 Contd. Pg. 149



Contd Pg. 151

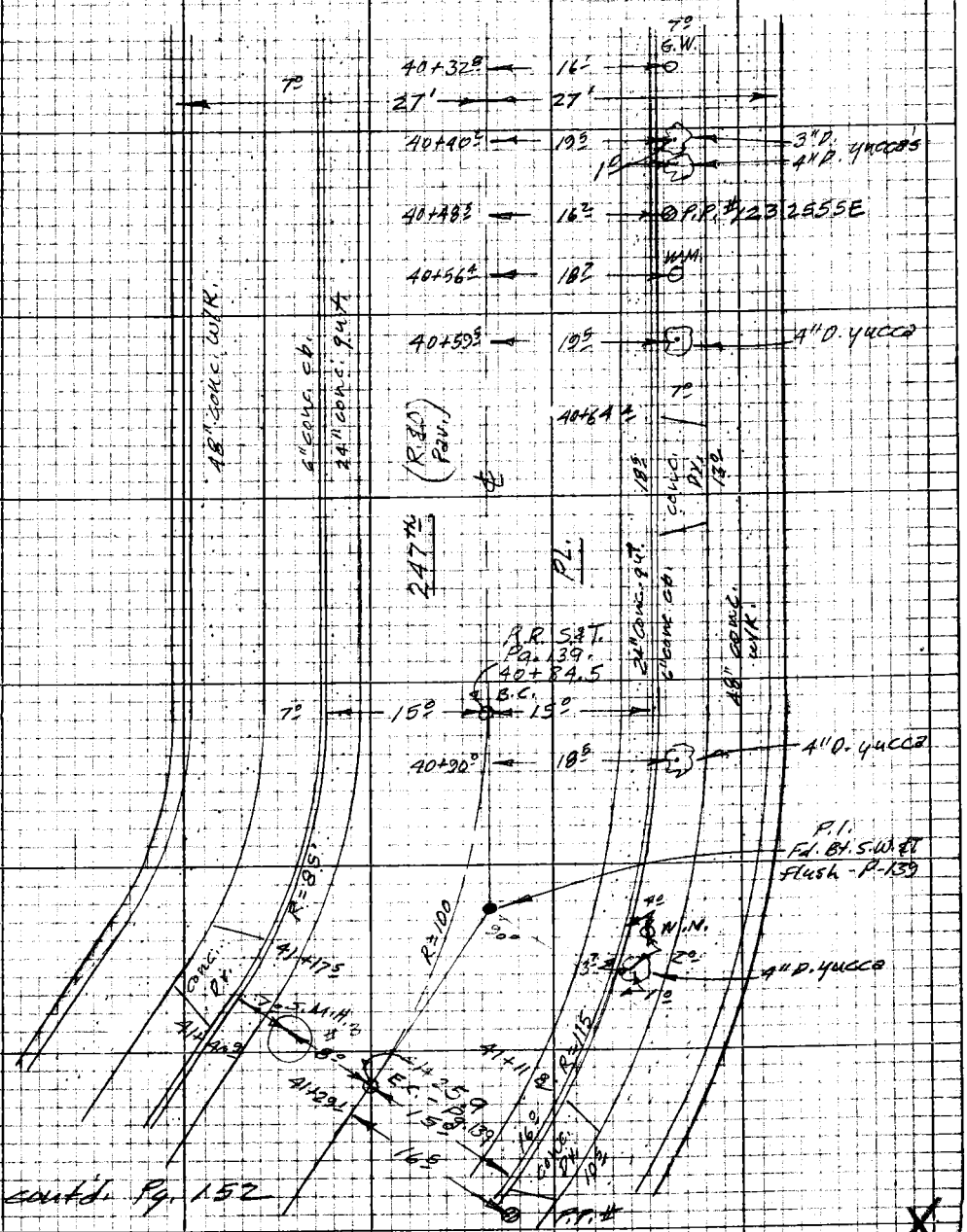
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 Los Angeles County Engineering Bldg.

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

Do not extend this side of this line.

Notes Ck'd by	Survey of Lomita SD #1104	F.B. 3321 Pg. 151
Map No.	IN 085003 Tape 0197 Std 68 °F	
Office Work	Surveyed by English	
Checked	Notes Foulger Date 1-69	
Date	Indexed G.H. GALLI	

cont'd. Pg. 150



cont'd. Pg. 152

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

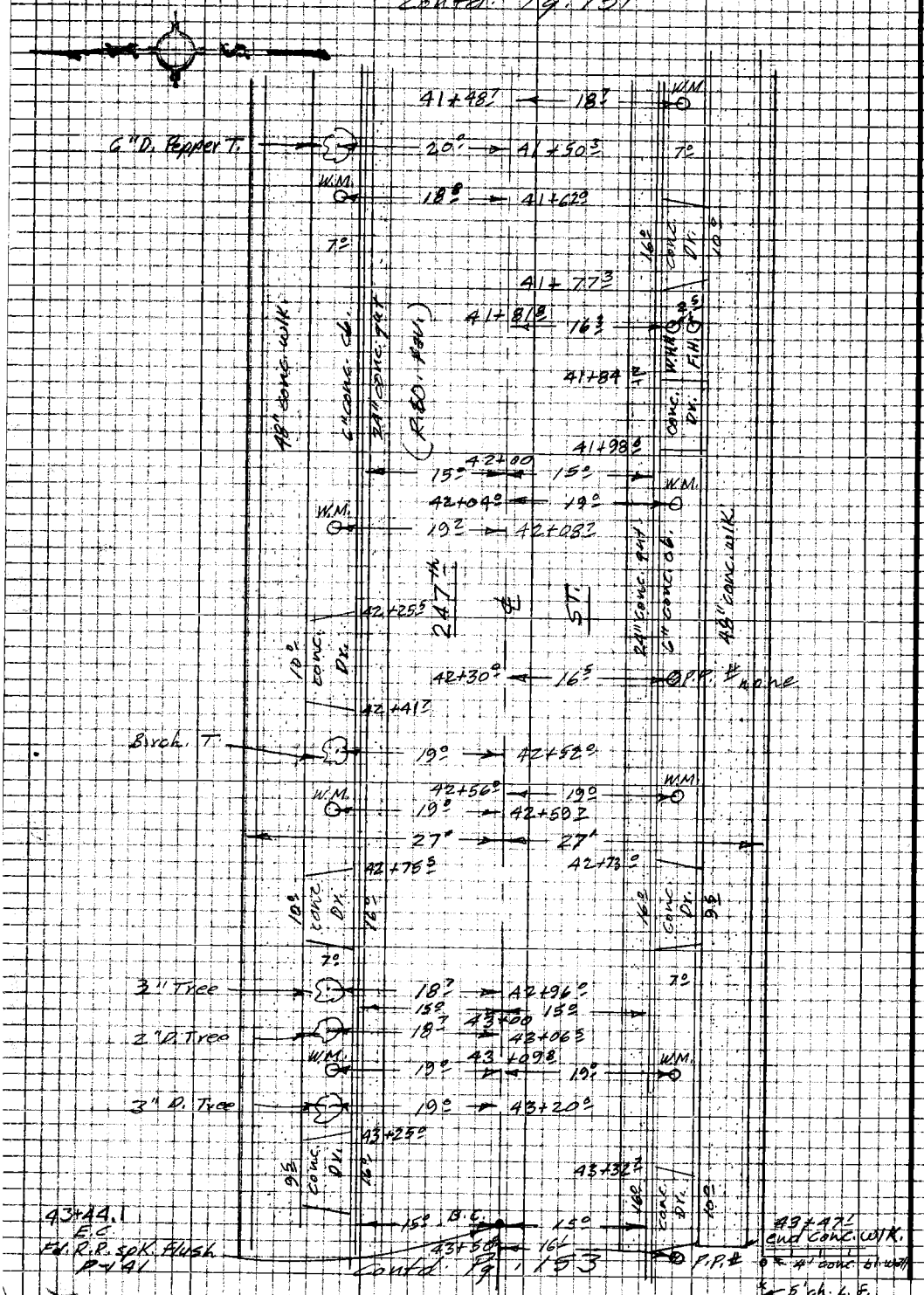
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend this side of this line.

76P3098 CE #310 5-66

F.B. 3321 Pg. 152

Contd. Pg. 151

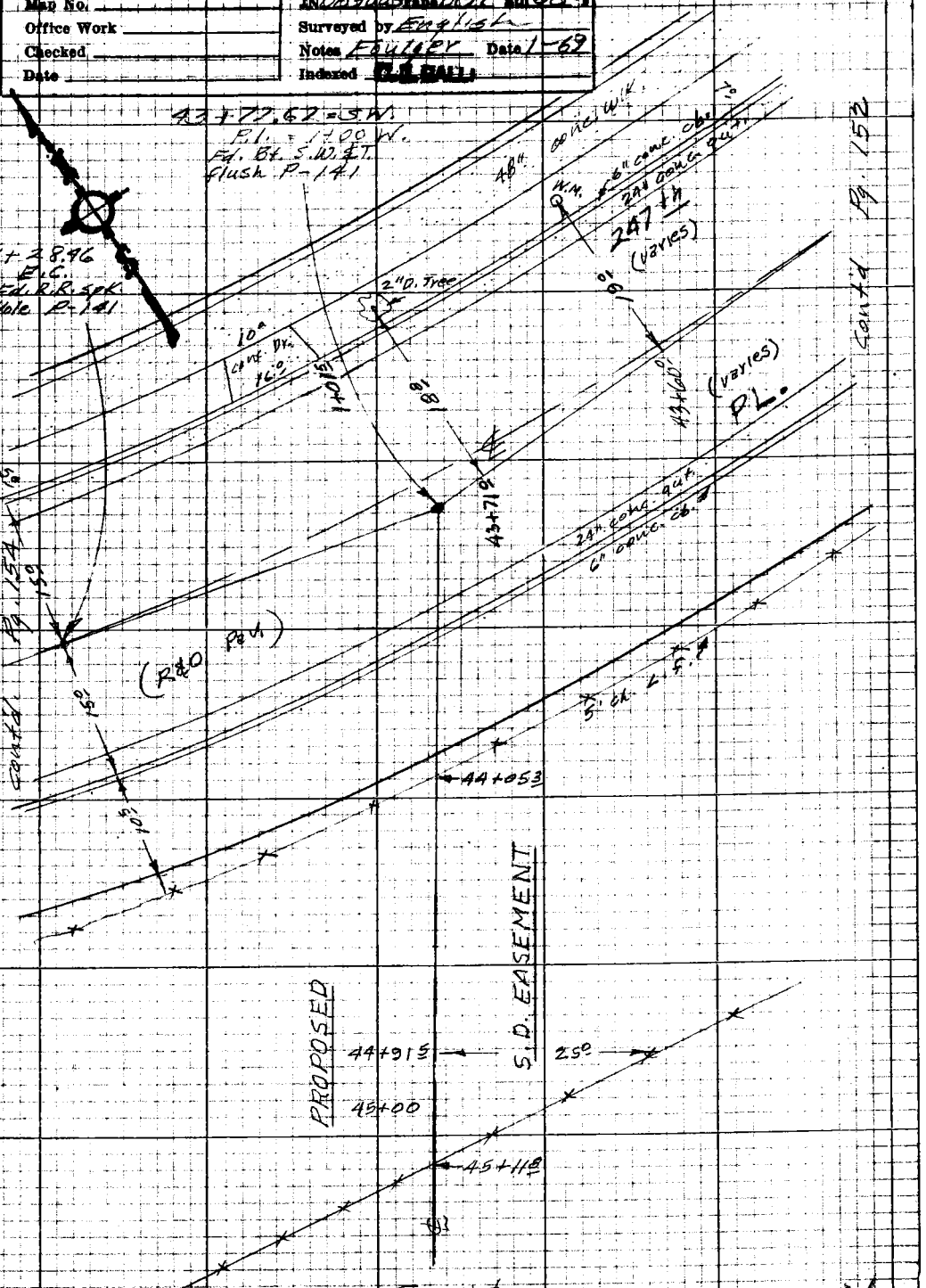


PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
402 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend this side of this line.

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

Notes Ck'd by	Survey of Limited S.D. #1104	F.B. 3321 Pg. 153
Map No.	JN 085003 Tape 0197 Std 68 °F	
Office Work	Surveyed by English	
Checked	Notes Foulger Date 1-69	
Date	Indexed [illegible]	



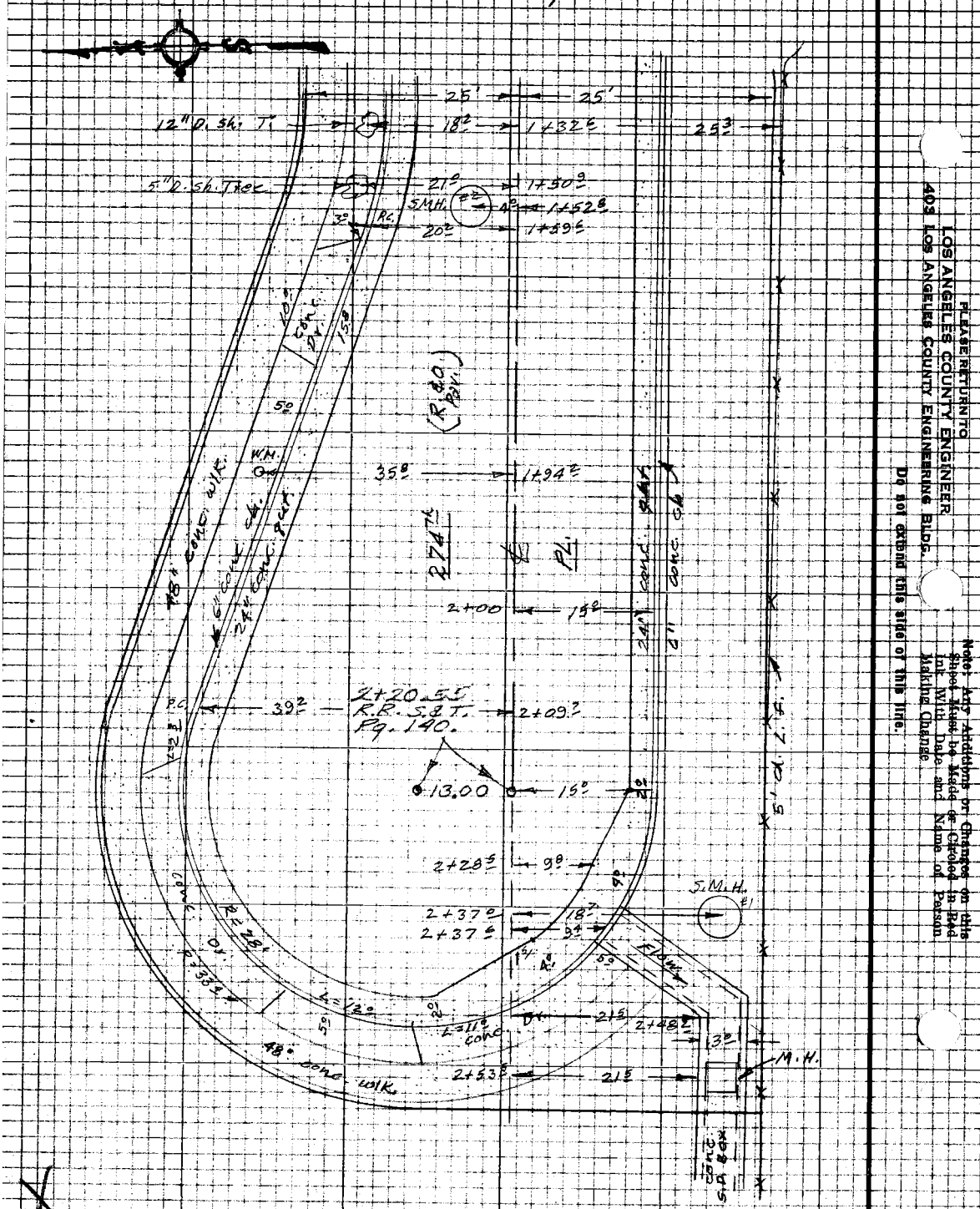
Note: Any Additions or Changes on this Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change

Do not extend this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76P3095 CE #310 5-66

F.B. 3321 Pg. 154 cont'd. Pg. 153

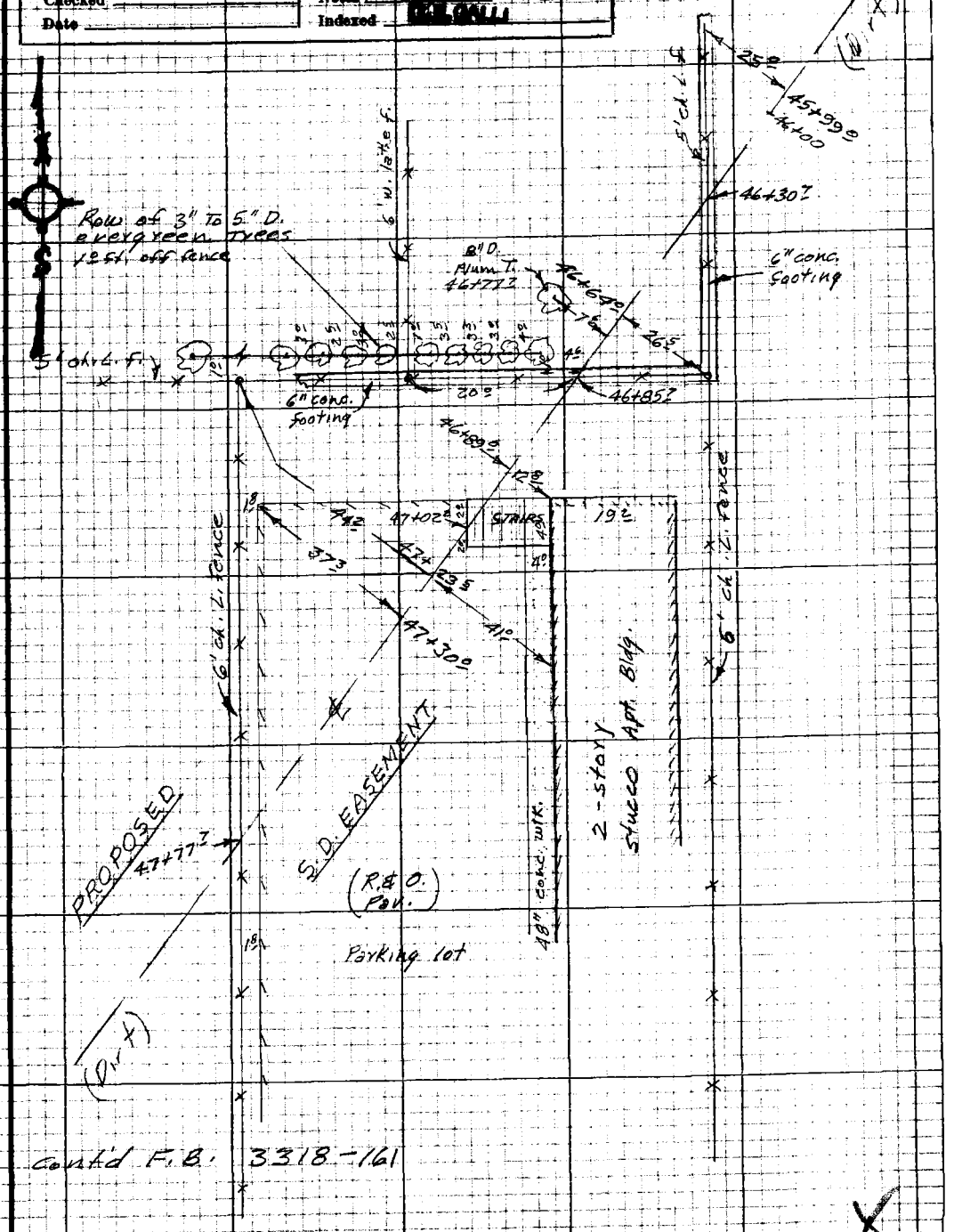


Please Return To
Los Angeles County Engineer
403 Los Angeles County Engineering Bldg.

Do not extend this side of this line.

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

Notes Ck'd by	Survey of Lomita S.D. #1104	F.B. 3321 Pg. 155
Map No.	IN 0850.03 Tape 0197 Std 68 °F	Cont'd. Pg. 153
Office Work	Surveyed by English	
Checked	Notes Fowler Date 1-69	
Date	Indexed [redacted]	



Cont'd F.B. 3318-161

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

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend this side of this line.

76P3096 CK #310 5-66

Profile No. _____ X-Sec. No. _____

Notes Red _____ Date _____ Notes Chkd. _____ Date _____

Plotted _____ Date _____ Checked _____ Date _____

Job No. 0850.03 Division No. 11

Survey of Lomita S.D.

Survey by [redacted] Notes [redacted] Date 1-69

Map No. _____ Indexed [redacted] Date [redacted]

F.B. 3321 Pg. 157

LOMITA RELIEF
STORM DRAIN
PROJECT #1104.
REALIGNMENT.

CROSS SECTIONS:
Fr.: 247th St. &
President Ave.
To: Lomita Blvd.
& Walnut St.

STATION	B.S.	H.I.	F.S.	ELEV.
	Clifford	Dupuis	Foulger	
			English	
			Jan. 22, 1969.	

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.

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

76-L-298 CE 307 2-63

X

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	247th ℄ St.	
Fd. B.M. S.D.-262				52.11	S.D. 262, el.= 52.109, F.B. 3318-15.	
					President Ave. & 247th St., S.E. Cor.	
		Note:			Bt. Spk. in cb. 10'± E. of E. end C.R.	
18+73.4		X-Secs	Cont.	57 28		29.5 R. - bk. wlk.
		fr. F.B. 3318	130.	56 5		50 R. - grass
19+36				57 73		29.5 R Same
				56 7		50 "
20+00				57 95		29.5 R Same
				57 1		50 "
21+00				58 35		29.5 R bk. wlk.
				57 8		34 " brk.
				57 8		50 " grass
21+45				57 11	Top conc. C.B.	34.5 R
22+00				58 79		29.5 R. bk. Wlk.
				57 7		34 R. brk.
				57 9		50 R. grass
23+00				59 13		29.5 R bk. wlk.
				59 6		50 R grass
24+00				59 59		29.5 R.
				60 0		50 R. Same

F.B. 3321 PG. 158 Job No. 0850.03 Division No. 11 Notes Red Plotted Profile
Survey of Lomita S.D. Date Date No. X-Sec.
Survey by Engl/Sh Notes Ed. Notes Chkd. Checked No.
Indexed C.L. GALLI Date Date Date

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	247th ℄	St.
25+00				60 05		29.5 R. bk. wlk.
				60 5		50 R. grass
25+43				61 77	conc. fl. - Toilet	46 R.
26+00				60 43		29.5 R. bk. wlk.
				61 39		30 " Top wall
				61 62		50 " black Top pv.
27+00				60 76		29.5 " bk. wlk.
				61 36		40 " end conc.
				61 50		50 " black top pv.
28+00				61 24		29.5 R bk. wlk.
				61 32		30 " T. wall
				61 67		50 " black top pv.
29+00				61 64		29.5 R. bk. wlk
				62 0		50 R. grass
30+00				61 85		29.5 R. Same
				62 2		50 "
fd. B.M. S.D. 264-A				58 62	B.M. S.D. 264-A, el = 58.62 (field adj.), Pg. 132 247th Pl. & Western Ave. Service Rd. W. side, Rd. hd. Spk. in cb., E. side 15' N. of ℄ 247th Pl.	

Profile No. ___ Notes Red ___ Plotted ___ Job No. 0850.03 Division No. 11 F.B. 3321 Pg. 159
X-Sec. No. ___ Date ___ Date ___ Survey of Lomita S.D.
Notes Chkd. ___ Checked ___ Survey by English Notes Ed. Date 1-69
Date ___ Date ___ Map No. ___ Indexed ___ Date ___

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Western ℄	Ave. - Pg. 146
32+62				59 93		℄ Top conc. isbnd.
				59 82		7 R. T. cb.
				59 35		7 R. B. cb.
				59 18		23 R. ctr. pv.
				58 90		37 " gutter
				59 44		46 " T. pv. burm
				59 83		55 " T. cb.
				59 15		55 " B. cb.
						~~57 " e.g.~~
				59 61		69 " ctr. pv.
				59 54		83 " B. cb.
				60 18		83 " T. cb.
33+02				58 7		℄ dirt
				58 66		6 R. e.p.
				58 57		23 R. ctr. pv.
				58 39		38 " F.L.
				58 95		40 " T. pv. burm
				59 28		55 " T. cb.
				58 55		55 " B. cb.
				59 17		69 " Ctr. pv.
				59 18		83 " B. cb.
				59 80		83 " T. cb.

F.B. 3321 Pg. 160 ✓ 0850.03 Job No. Division No. 11 Notes Red Plotted Profile
Survey of Lomita S.D. Date Date No. X-Sec.
Survey by English Notes Ed. Notes Chkd. Checked
Indexed F.J. GALLI Date Date Date No.

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Western ℄	Ave. - Pg. 147
1+50 So. - Pg. 147				565		℄ dirt
				5642		6 R. e.p.
				5624		23 " ctr. pv.
				5609		38 " F.L.
				5665		40 " T. pv. bu. m
				5686		55 " T. cb.
				5616		55 " B. cb.
				5674		69 " Ctr. pv.
				5672		83 " B. cb.
				5738		83 " T. cb.
34+67				5936	247 th	℄ PL.
				5929		7.5 R W/+
				5908		15 " B. cb.
				5977		15 " T. cb.
				6010		27 " P.L.
				5928	7.5 L.	
				5901	15 " Typ. (dep)	
				5909	15 "	
				5998	27 " P.L.	
35+07				6030		℄
				6026		7.5 R.
				5998		15 " Typ.
				6076		15 "
				6104		27 " P.L.

Profile Notes Red ____ Plotted ____ Job No. 0850.03 Division No. 11 F.B. 3321 Pg. 161
No. ____ Date ____ Date ____ Survey of Lomita S.D.
X-Sec. Notes Chkd. ____ Checked ____ Survey by English Notes Ed. Date 1-69
No. ____ Date ____ Date ____ Map No. ____ Indexed [redacted] Date ____

76-L-298 CE 307 2-63

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

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

Do not extend notes this side of this line.

F. B. 3321 Pg. 162 | Job No. 0850.03 | Division No. 11 | Notes Red | Plotted | Profile
Survey of Lomita SD. | Date | Date | No.
Survey by English Notes Ed. | Notes Chkd. | Checked | X-Sec.
Indexed D. L. Calli | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.		℄ PL.-148
35+07				60.24	7.5 L. w/4	
				60.00	15 " B. cb.	
				61.65	" " T. cb.	
				60.96		
36+00				62.65		℄
				62.53		7.5 R. w/4
				62.35		15 " B. cb.
				63.07		15 " T. cb.
				63.37		27
				62.37	7.5 L.	
				62.40	15 " Typ.	
				63.06	15 "	
				63.39	15 " P.L.	
37+00				64.03		℄
				64.00		7.5 R.
				63.79		15 "
				64.44		15 "
				64.22		27
				64.00	7.5	Typ.
				63.73	15	
				63.87	15	
				64.72	27	
				64.14	S.M.H. Rim	℄
37+29				56.97	F.L. 8" Jan. W.	64.14 F.L.
				56.94	" " Out. L.	6.50+0.67=7.17 = 56.97
38+00				64.52		6.53+0.67=7.20 = 56.94
				64.50		℄
				64.20		7.5 R.
				64.15		13 " c.g.
				64.20		15 " Typ.
				64.58		15 " (dep)
						27 " P.L.

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	247th ℄ PL. - 150	
38+00				6445	7.5 L. W/4	
				6420	13 e.g.	
				6410	15 L. B. cb.	
				6492	" L. T. cb.	
				6498	27 " P.L.	
39+00				6470	℄	
				6469		7.5 R.
				6442		13 "
				6431		15 " Typ.
				6487		15 "
T.P.				6520		27 "
				6465	7.5 L.	
				6437	13 "	
				6423	15 L. Typ.	
				6482	15 "	
				6494	27 L.	
39+47.5				6469	S.M.H. ~~mm~~ ℄	
				5799	F.L. 8" In. W.	6.03 + 0.67 = 6.70 (64.69) = 57.99 F.L.
				5792	" " Out. E.	6.10 + 0.67 = 6.77 (64.69) = 57.92
40+00				6454	℄	
				6446		7.5 R.
				6434		13 "
				6418		15 " Typ.
				6484		15 "
				6505		27 "
				6452	7.5 L.	
				6420	13 "	
				6409	15 "	
				6473	15 "	
				6498	27 "	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0850.03 Division No. 11 F.B. 3321 Pg. 163
X-Sec. No. ____ Date ____ Date ____ Survey of Lomita S.D. Date 1-69
Notes Chkd. ____ Checked ____ Survey by English Notes Ed. Date ____
Date ____ Date ____ Map No. ____ Indexed B.E. CALL Date ____

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	247th ℄ Pl. - Pg. 151	
41+00				6385	℄	
				6380		7.5 R W/4
				6356		13 " e.g.
				6338		15 " B.cb.
				6405		15 " T.cb.
				6418		27 " P.L.
				6380	7.5 L.	
				6351	13 "	
				6338	15 " Typ.	
				6402	15 "	
				6433	27 "	
41+25.9				6358	S.M.H. rim	8' R.
				5640	F.L. 8" In. E. 6.51 + 0.67 = 7.18 (6358) = 56.40 F.L.	
				5629	" " Out. W. 6.62 + 0.67 = 7.29 (6358) = 56.29 F.L.	
42+00				6300	℄	
				6293		7.5 R
				6271		13 "
				6253		15 " Typ.
				6320		15 "
				6341		27 "

F.B. 3321 Pg. 164 Job No. 0850.03 Division No. 11 Notes Red Plotted Profile
Survey of Lomita S.D. Date Date No. X-Sec.
Survey by English Notes Ed. Notes Chkd. Checked
Indexed C.J. GALLI Date Date Date No.

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	247th	℄ Pl. - Pg. 152
42+00				6 2 93	7.5 L. W/4	
				6 2 72	13 " e.g.	
				6 2 54	15 " B. cb.	
				6 3 18	15 " T. cb.	
				6 3 47	27 " P.L.	
43+00				6 2 12		℄
				6 2 04		7.5 R.
				6 1 84		13 "
				6 1 73		15 " Typ.
				6 2 35		15 "
				6 2 55		27 "
				6 2 08	7.5 L.	
				6 1 86	13 "	
				6 1 68	15 " Typ.	
				6 2 33	15 "	
				6 2 57	27 "	
1+28.46	= E.C. - Pg. 153			6 1 27		℄
				6 1 17		7.5 R
				6 0 87		13 "
				6 0 75		15 " Typ.
				6 1 40		15 "
				6 1 62		25 "

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0850.03 Division No. 11 F.B. 3321 Pg. 165
Date ____ Date ____ Survey of Lomita S.D.
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by English Notes E.J. Date 1-69
Date ____ Date ____ Map No. ____ Indexed [redacted] Date ____

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

F. B. 3321 Pg. 166 | Job No. 0850.03 | Division No. 11 | Notes Red | Plotted | Profile
Survey of Laguna | Date | Date | No.
Survey by English Notes E.D. | Notes Chkd. | Checked | X-Sec.
Indexed [redacted] | Date | Date | No.

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	247th	℄ P/L. - Pg. 154
1+28.46 = E.C. - Pg. 153				61.18	7.5 L w/4	
				60.95	13 " e.g.	
				60.79	15 " b.c.	
				60.93	15 " t.c.	
				61.13	25 " P.L.	
℄ E.M.						
S.D. 268A				61.07	S.D. 268-A, el = 61.07 (Field adj.), Pg. 133	
					247th P.L., W. end, 0.2 mi. W. of Western Ave. Ramset nail in conc. ob., S. side @ B.C.R. in front #6 #1865	
1+52.8				61.18	S.M.H. rim	9' R.
				52.09	F.L. 8" Out. W.	7.42+0.67 61.18 − 8.39 = 53.31 F.L.
				53.31	F.L. " In. E.	7.12+0.67 = 61.18 − 8.39 = 53.31 F.L.
1+97				61.08		℄
				61.05		17 R. w/℄
				60.90		32 " e.g.
				60.93		34 " b.c.
				61.20		34 " t.c.
				61.30		44 " P.L.

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	247th	℄ PL. - Pg. 154
1+97				6092	7.5 L	
				6063	13 L	
				6051	15 "	
				6114	15 "	
				611	25 "	
2+37				6109	18.7 L	S.M.H. rim
				5202	F.L. 8" In. E.	8.40+0.67 = 9.07 (6109) 5202 F.L.
				5194	F.L. " Out. W.	8.48+0.67 = 9.15 (6109) 51.94 "
2+37.6				6081		℄
				6094		13 R ctr. pvt.
				6071		36 " e.g.
				6052		38 " b.c.
						38 " t.c.
				6136		50 " P.L.
				6061	5.4 L e.g.	
				6009	9.4 " b.c. = F.L. - S.D. - Pg. 154	
				6102	9.4 " T.c.	
				610	25 " P.L.	
43+72.62 S.W. = 1+00 W.				6143	P.I. - Pg. 153	
43+90				6110	e.g.	℄ S.D. case.
43+92.2				6090	b.c.	℄ " "
43+92.2				6152	t.c.	℄ " "

Profile No. ___ Notes Red ___ Plotted ___ Job No. 0850.03 Division No. 11 F.B. 3321 Pg. 167
Date ___ Date ___ Survey of Lomita S.D.
X-Sec. No. ___ Notes Chkd. ___ Checked ___ Survey by English Notes Co. Date 1-67
Date ___ Date ___ Map No. ___ Indexed R.E. GALL Date ___

F.B. 3321 ✓ Pg. 168 | Job No. 0850.03 | Division No. 11 | Notes Red ____ | Plotted ____

Survey of Lomita S.D. | Date ____ | Date ____

Survey by English Notes ____ | Notes Chkd. ____ | Checked ____

Indexed GALLI | Date ____ | Date ____ | Date ____

Pg. 155

				61 3	25 L.	
45+00				59.5	℄	
				59.5		25 R.
				59.5	25 L.	
46+00				59.0	℄	
				59.2		25' R.
				59.1	25 L.	
46+31				59.78	Top 6" conc. footing ℄	
46+85²				59.90	" " " " ℄	
47+23				59.30	℄	
				[illegible]		25' R. pv.
				59.13	25' L. pv.	
				59.82	42' L. fl. el.	Apt. bldg.
47+76				59.83	℄	e.p.
48+00				57.9	℄	
				57.7		25 R.
				57.3	25 L.	
48+54				57.6	T.B. ℄	
48+65				56.09	e.p. ℄	

Con't. F.B. 3318-182