Notes Ck'd by	Survey of
Map No.	JN Tape Std °F
Office Work	Surveyed by
Checked	Notes Date
Date	Indexed

F. B. Pg.

FOR LATER SURVEY

SEE

F.B. 3455

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DEPARTMENT OF COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

microfilmed June 85

Notes Ck'd by	Survey of Marina Del Rey
Map No.	JN 0300.02 Tape Std °F.
Office Work	Surveyed by English
Checked	Notes Ec. Date 11-20-64
Date	Indexed C. J. GALLI

F. B. 3223 PG. 5

MARINA DEL REY

J.N. 0300.02

Shore and Submerged Area Studies.

Horizontal Control for Hydrographic Survey.

Nov. 20, 1964
English
Shoemaker
Foulger
Lieber
Dupuis

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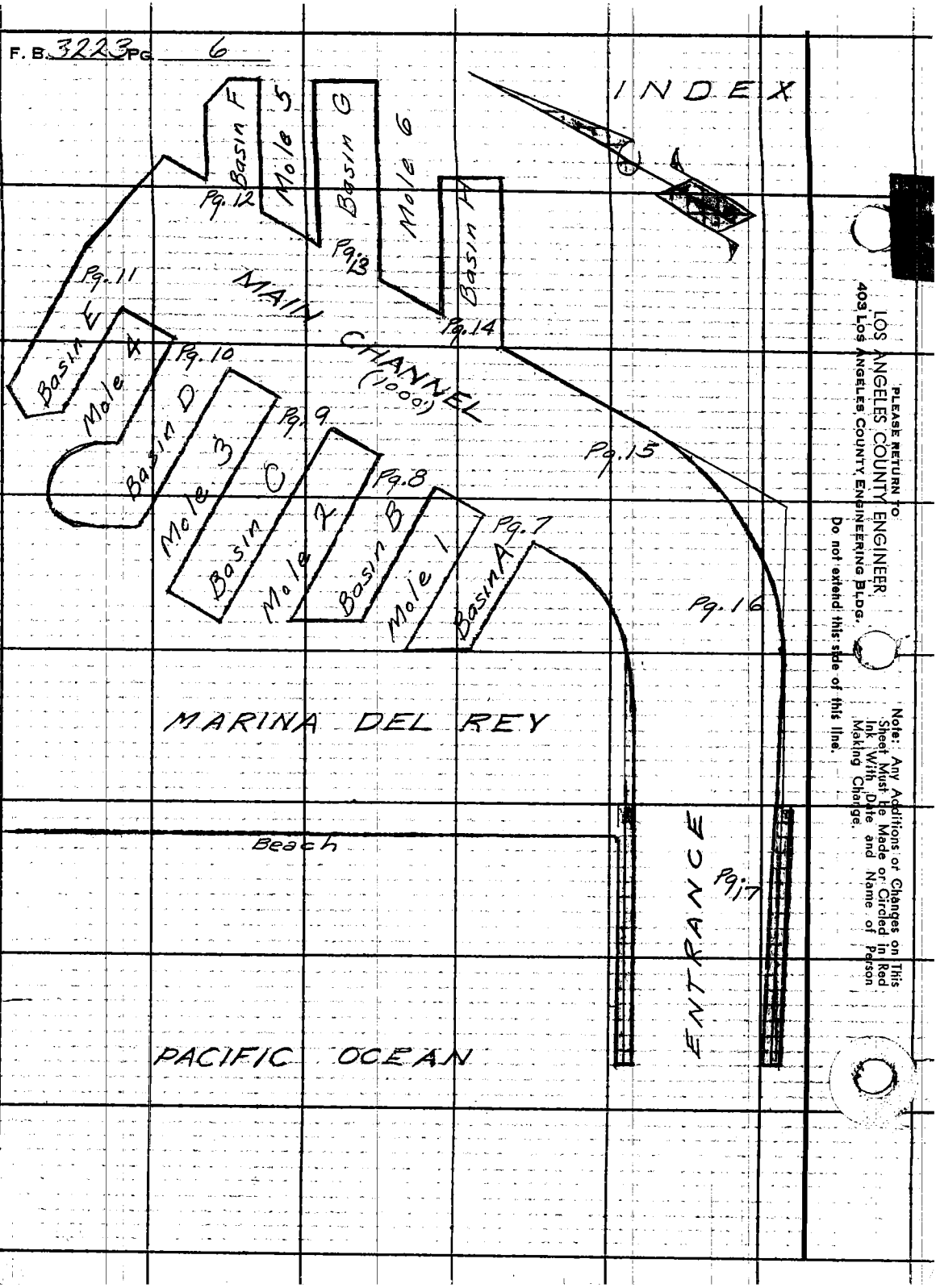
76F3095 CE #310 6-63

F. B. 3223 PG. 6



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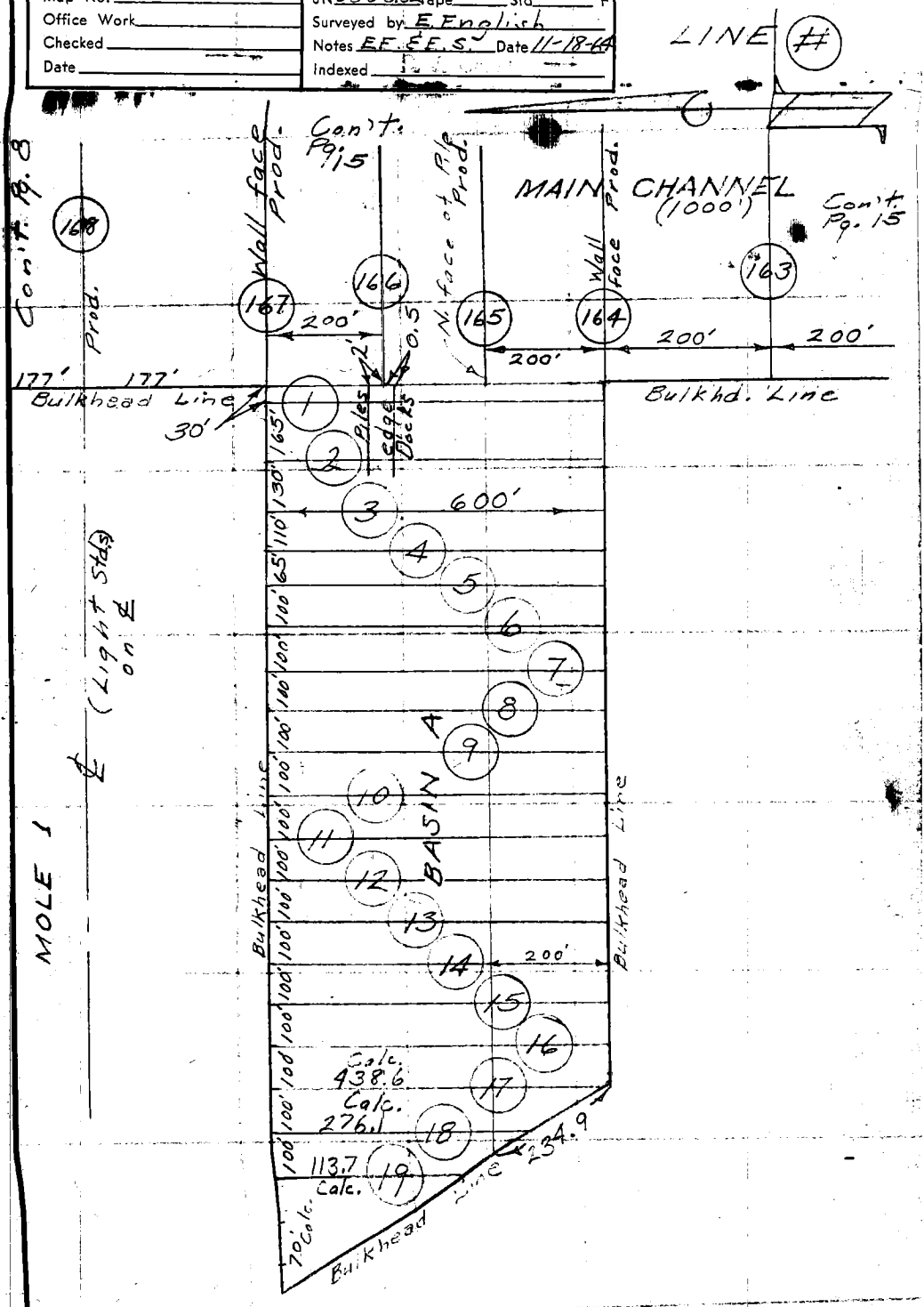
Notes Ck'd by	Survey of Marina Del Rey
Map No.	JN 0300.02 Tape Std °F
Office Work	Surveyed by E. English
Checked	Notes EF. EE.S. Date 11-18-64
Date	Indexed

F. B. 3223 Pg. 7



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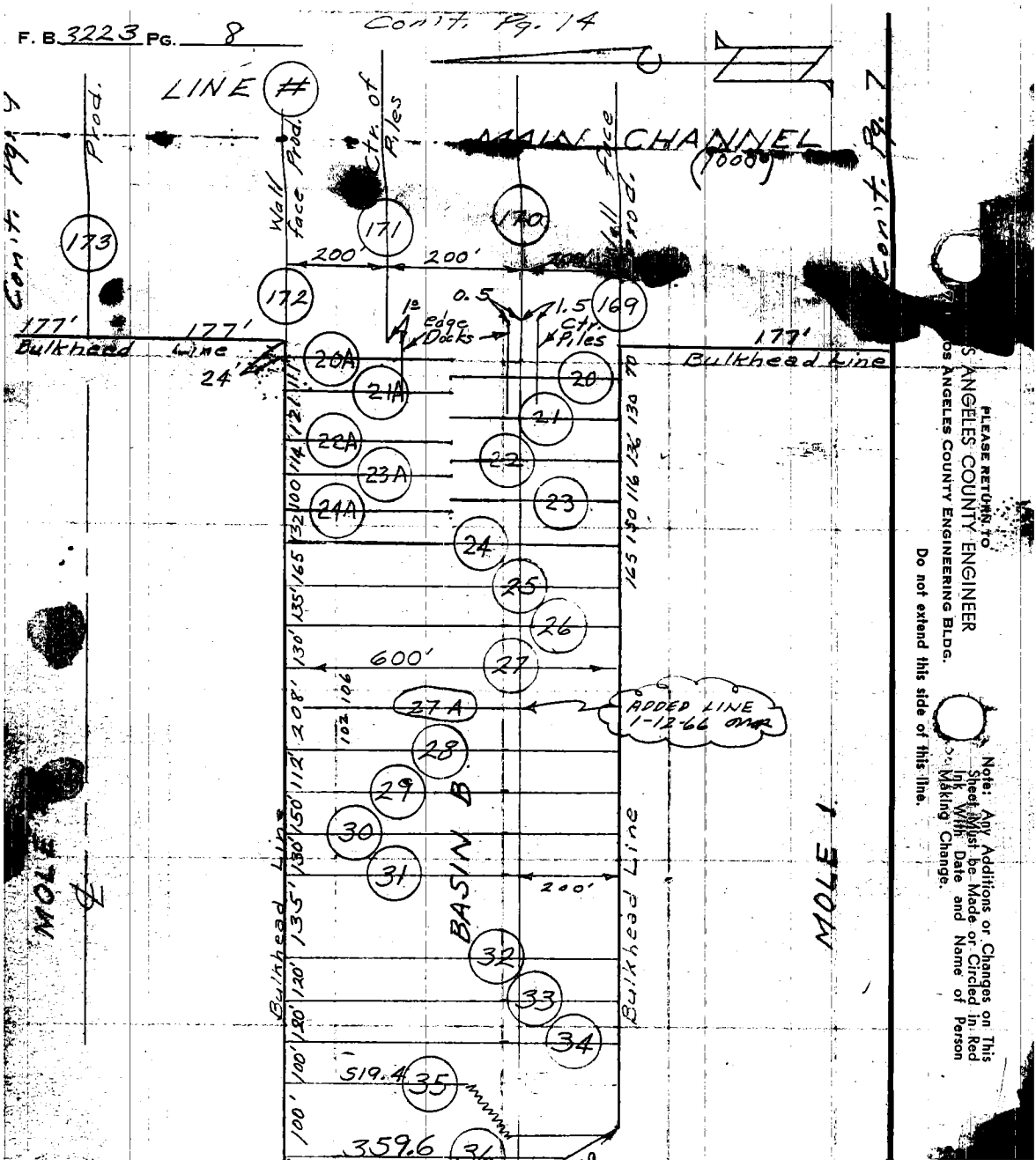
700 Los Angeles County Engineering Bldg.

F. B. 3223 PG. 8



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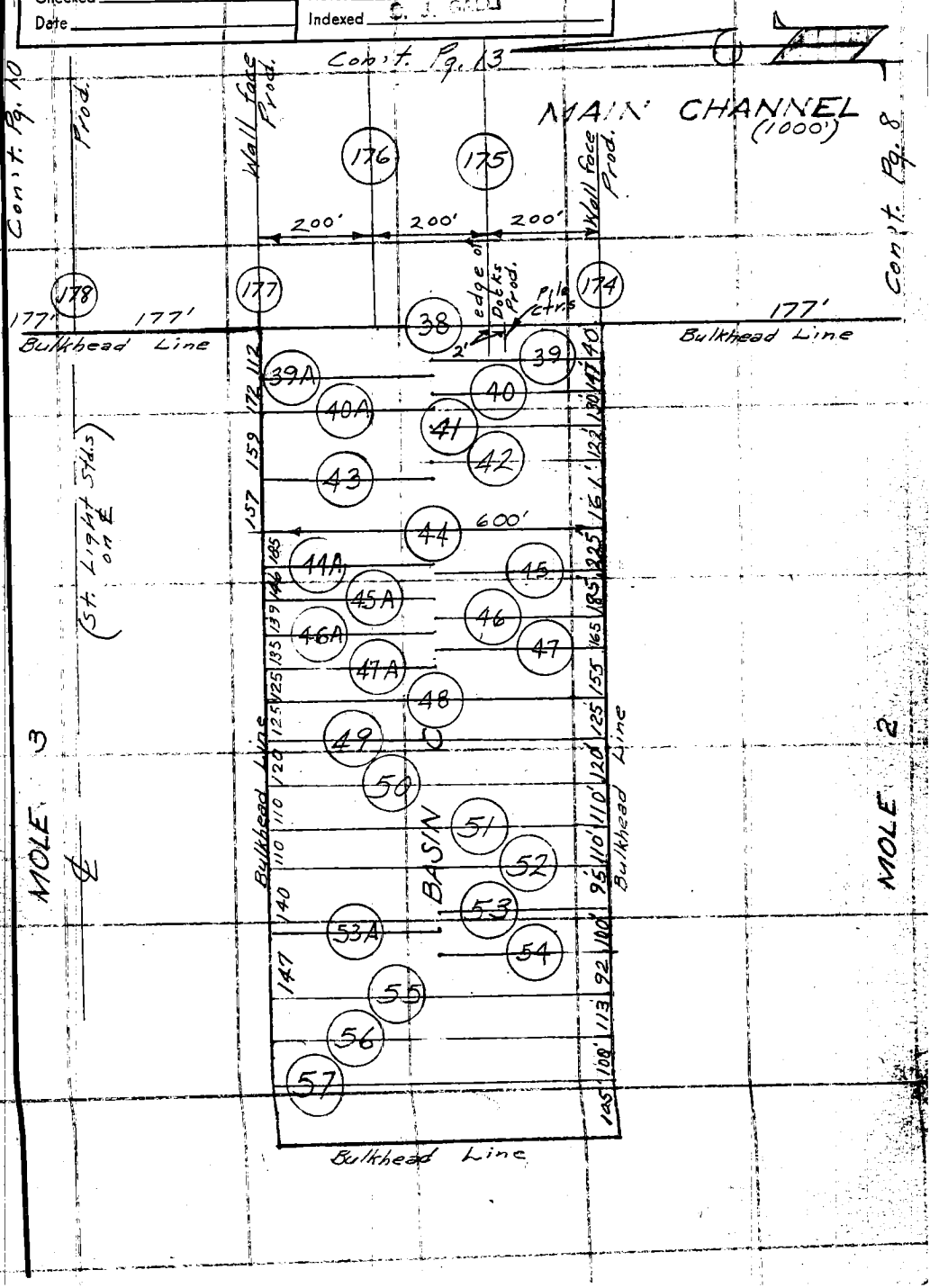
Notes Ck'd by	Survey of Marina Del Rey	F. B. 3223 PG. 9
Map No.	JN 0300.02 Tape Std °F	LINE #
Office Work	Surveyed by E. English	
Checked	Notes E.E. & E.S. Date 11-18-64	
Date	Indexed	



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

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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76F3098 CE #310

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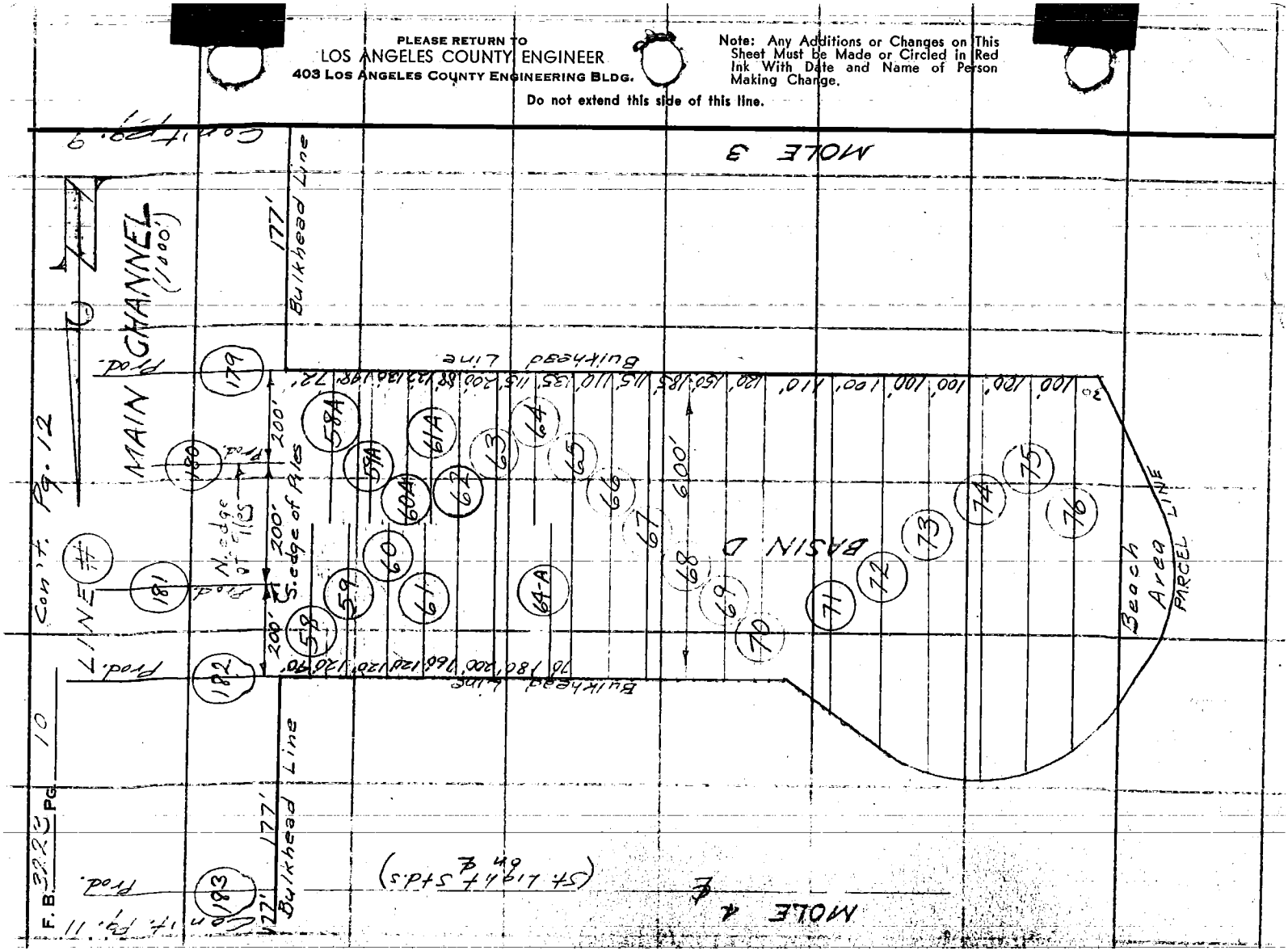
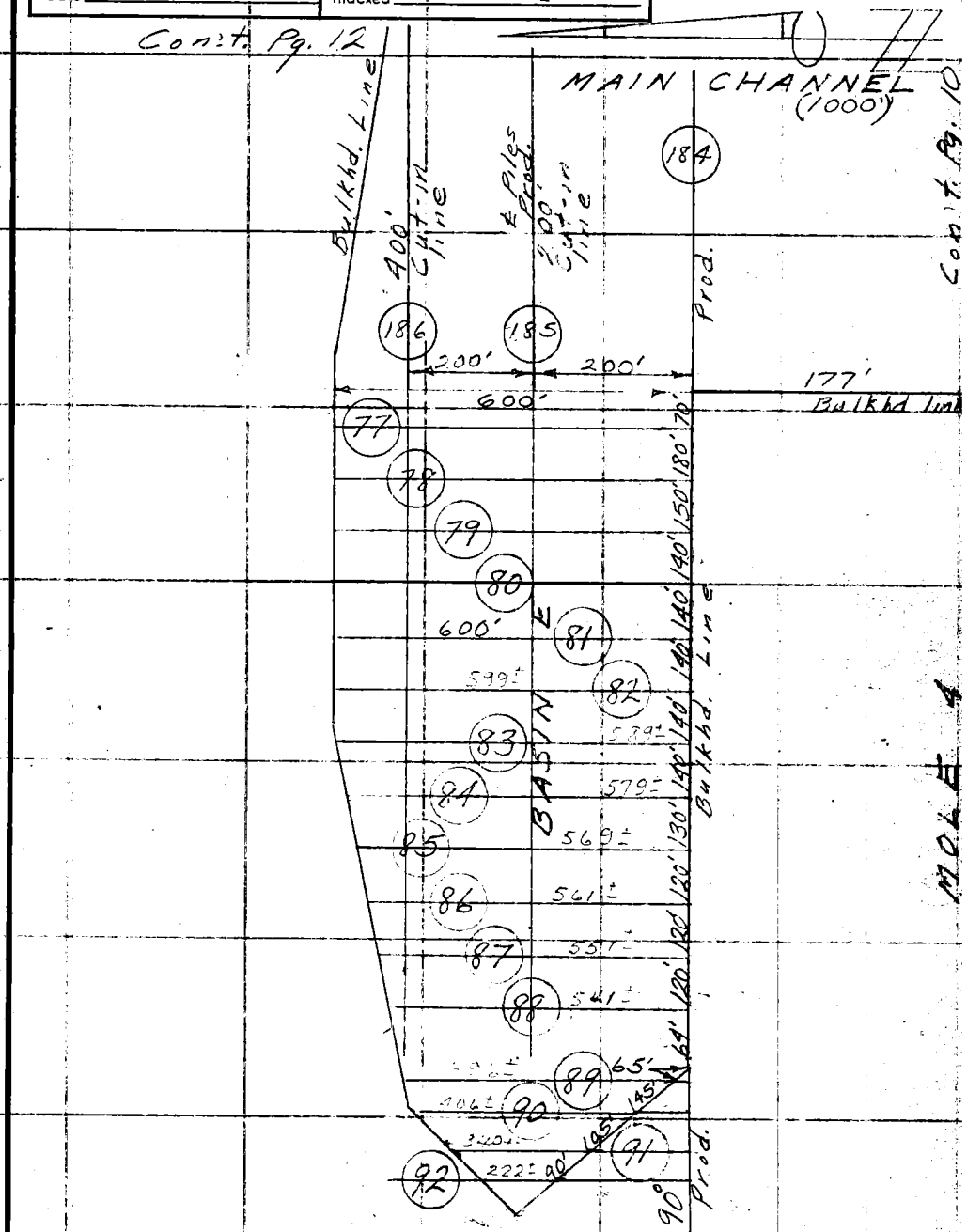


Notes Ck'd by	Survey of Marina Del Rey
Map No.	JN 2300.02 Tape Std °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 11-2064
Date	Indexed

F. B. 3223 PG. 11

LINE #



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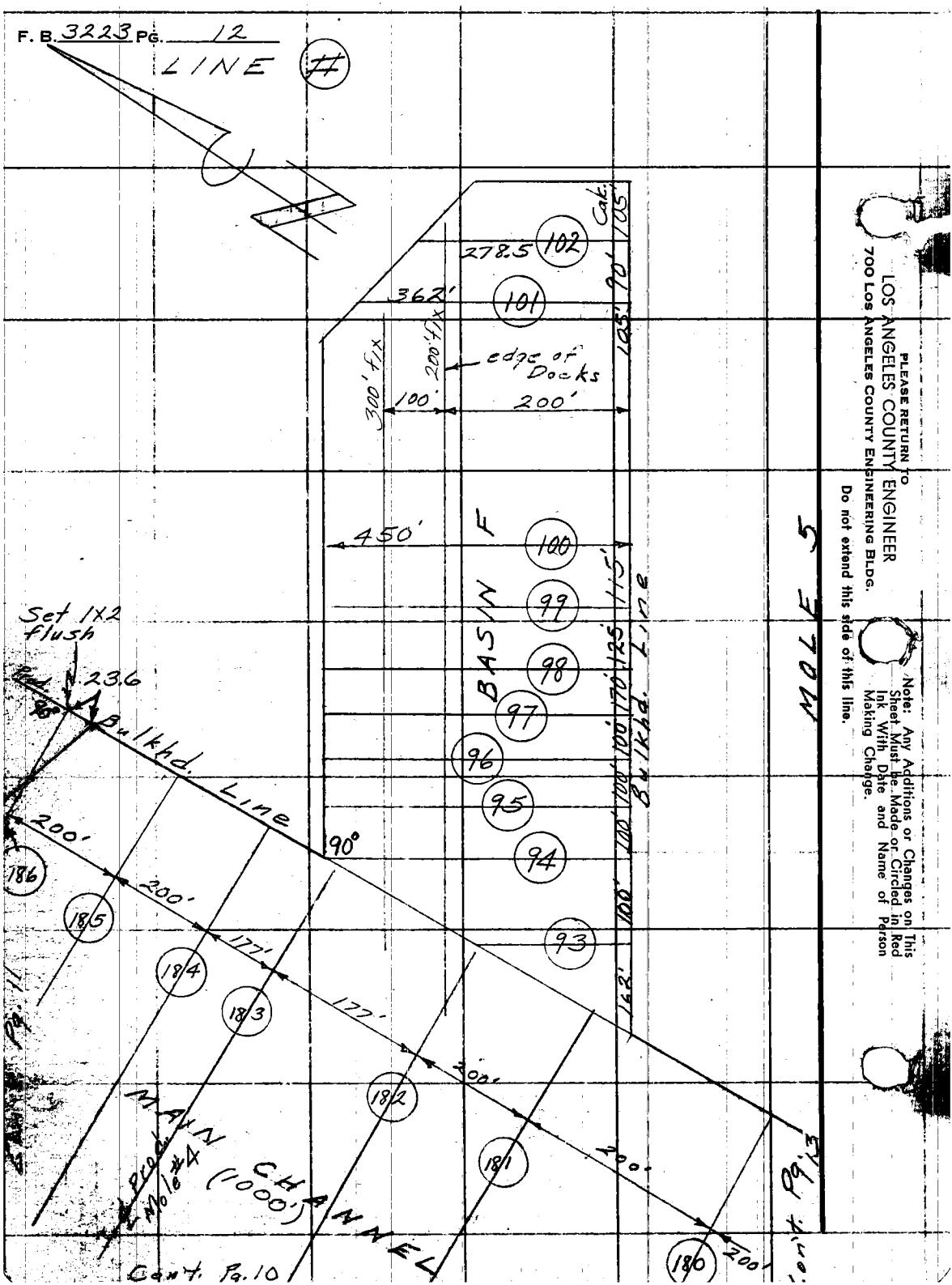
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S S&E

F. B. 3223 PG. 12



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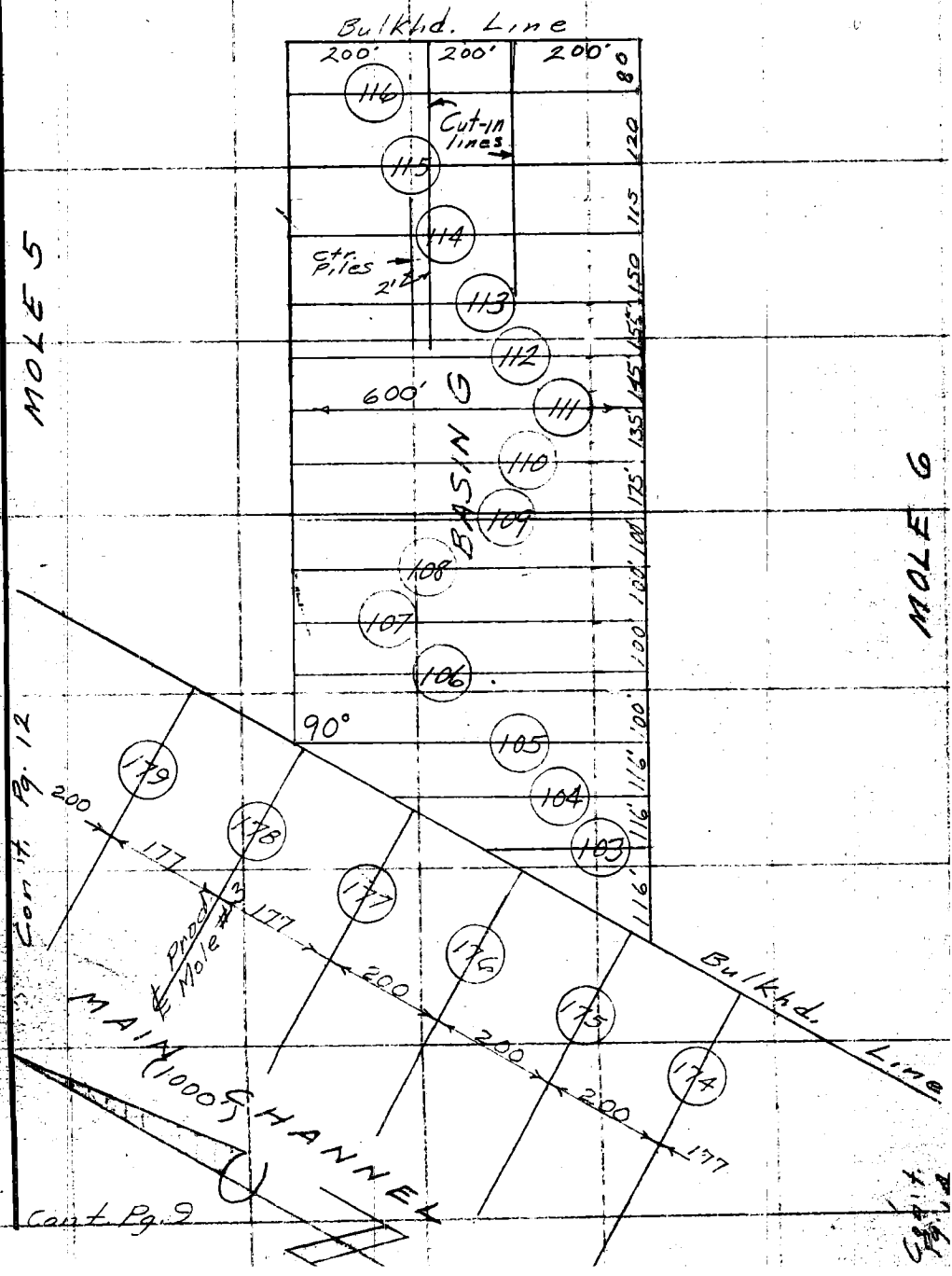
Notes Ck'd by	Survey of Marina Del Rey	F. B. 3223 Pg. 13
Map No.	JN 0300.02 Tape Std °F	LINE #
Office Work	Surveyed by English	
Checked	Notes Ed. Date 11-23-64	
Date	Indexed C. J. GALLI	



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76F309S S&E

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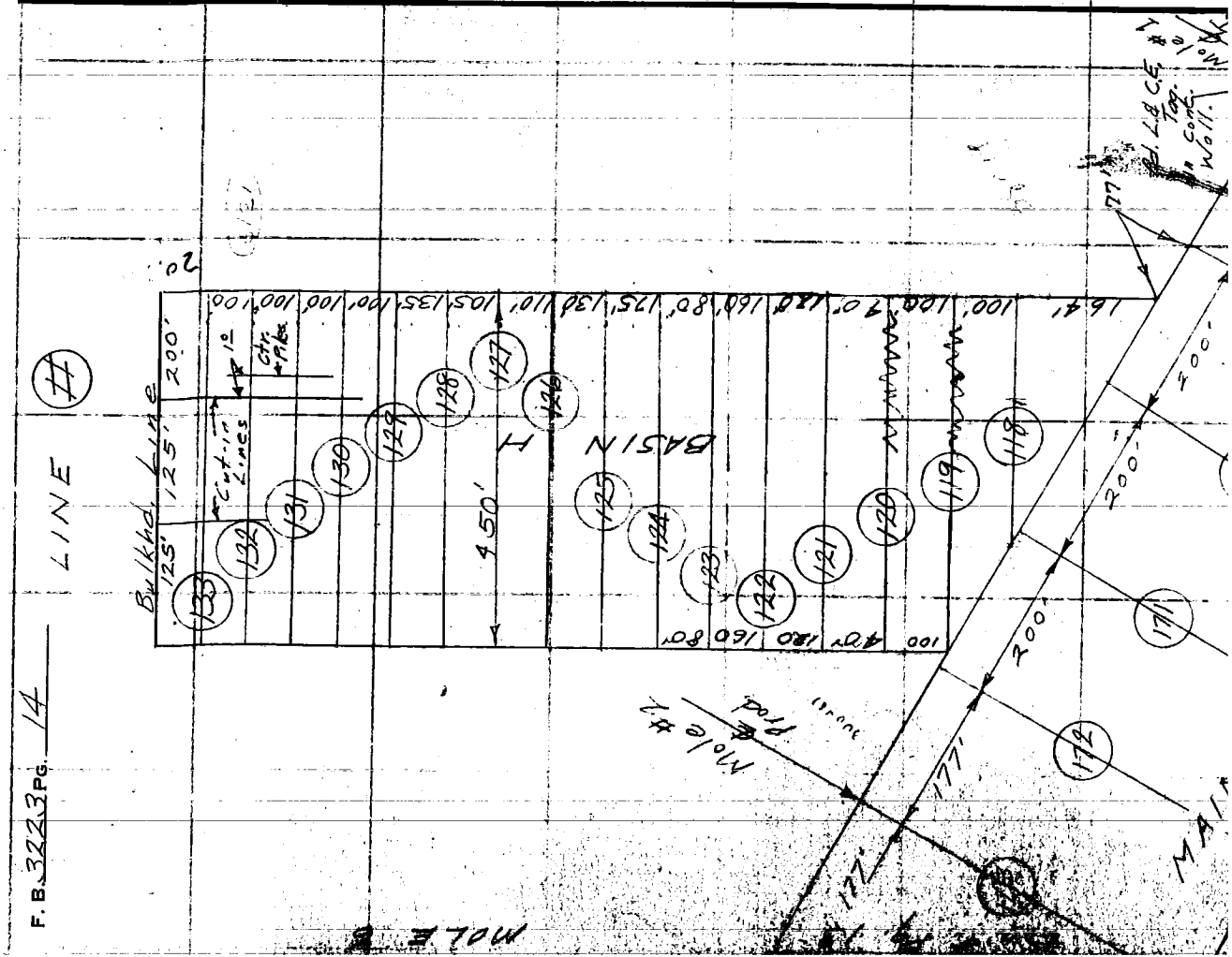
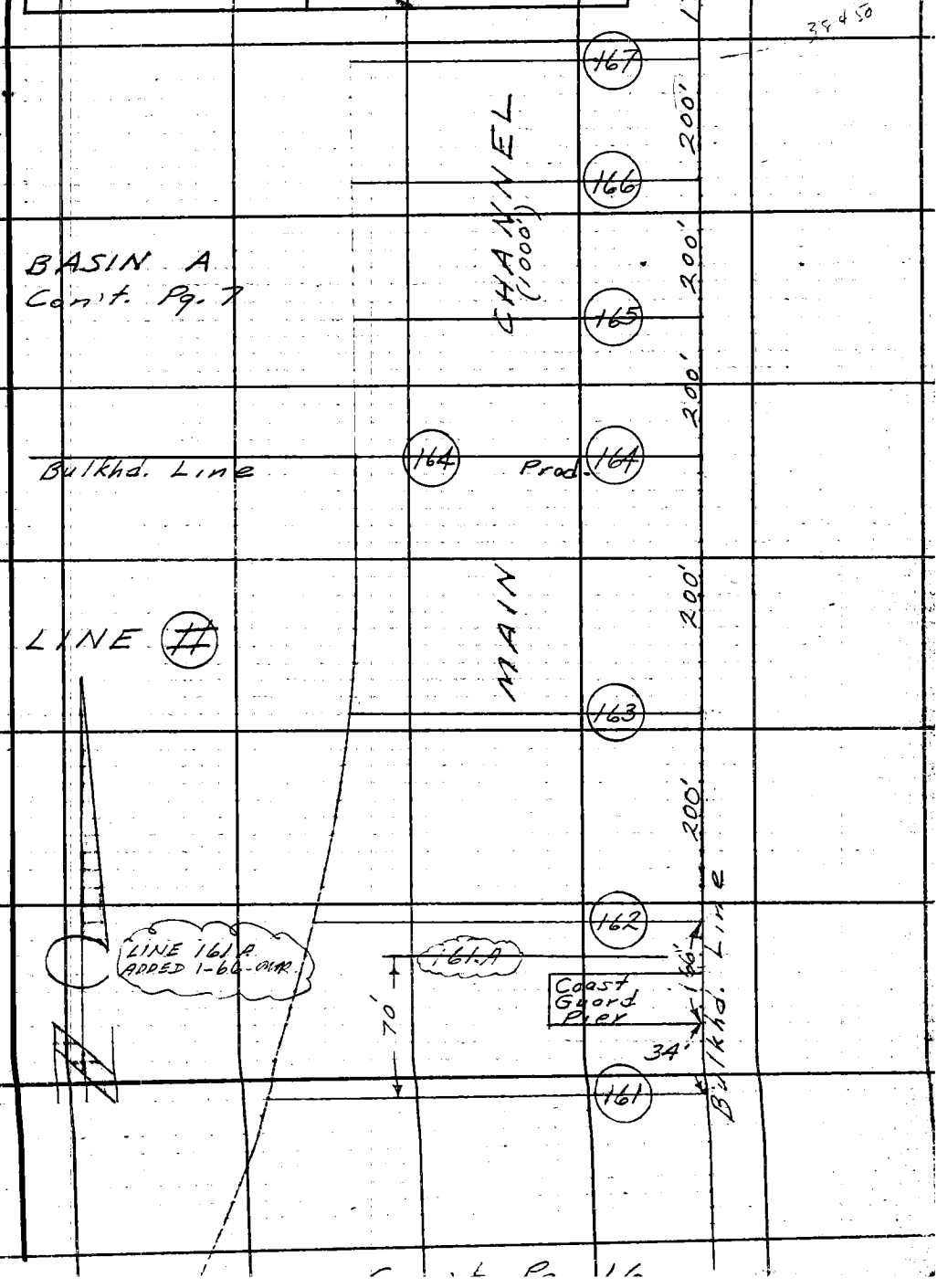


Notes Ck'd by	Survey of Marina Del Rey	F. B. 3223 PG. 15
Map No.	JN 0300.02 Tape Std °F	Con't. Pg. 14
Office Work	Surveyed by English	
Checked	Notes Ed! Date 11-19-64	
Date	Indexed	



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76F3095 CE #310

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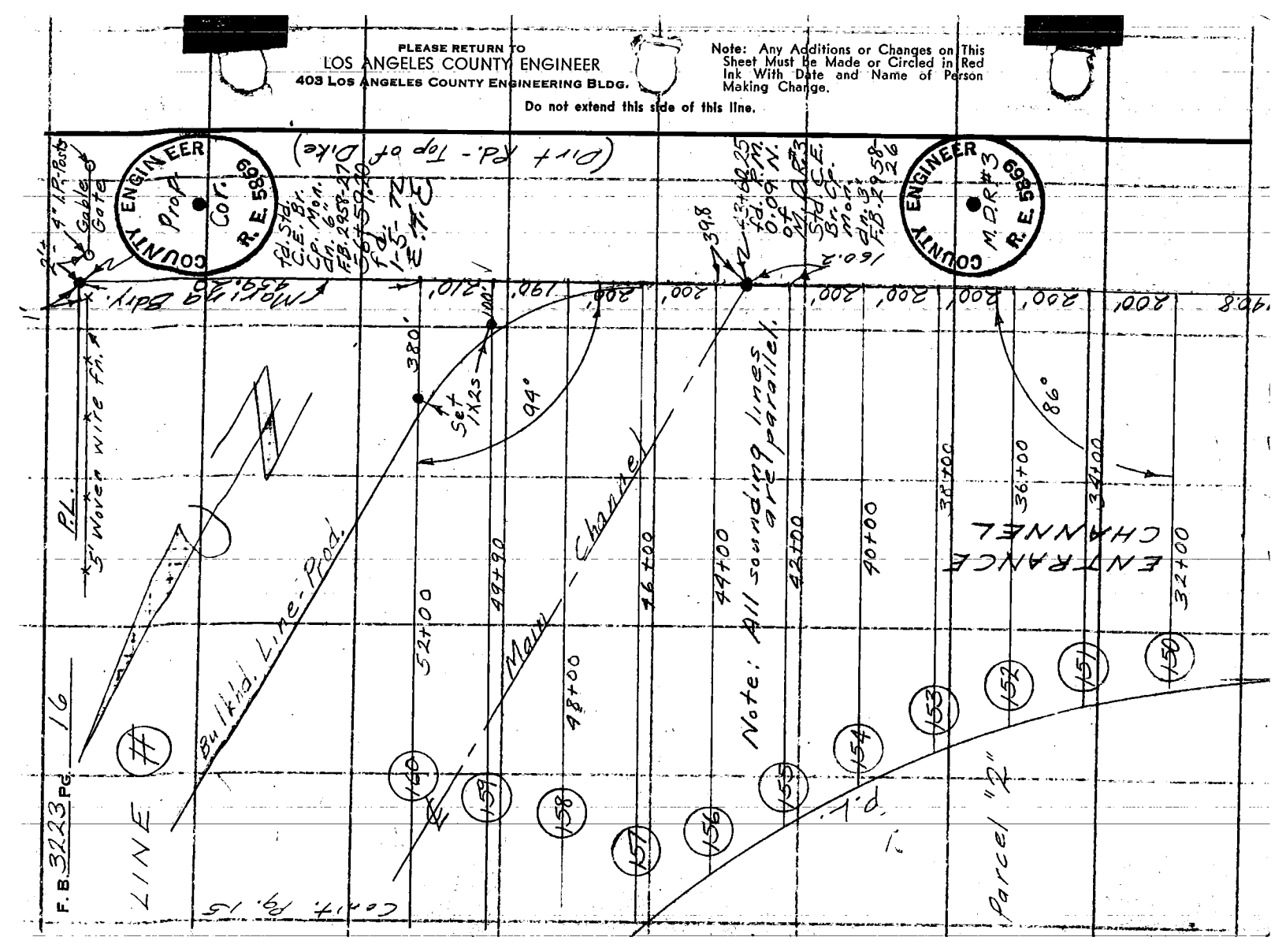
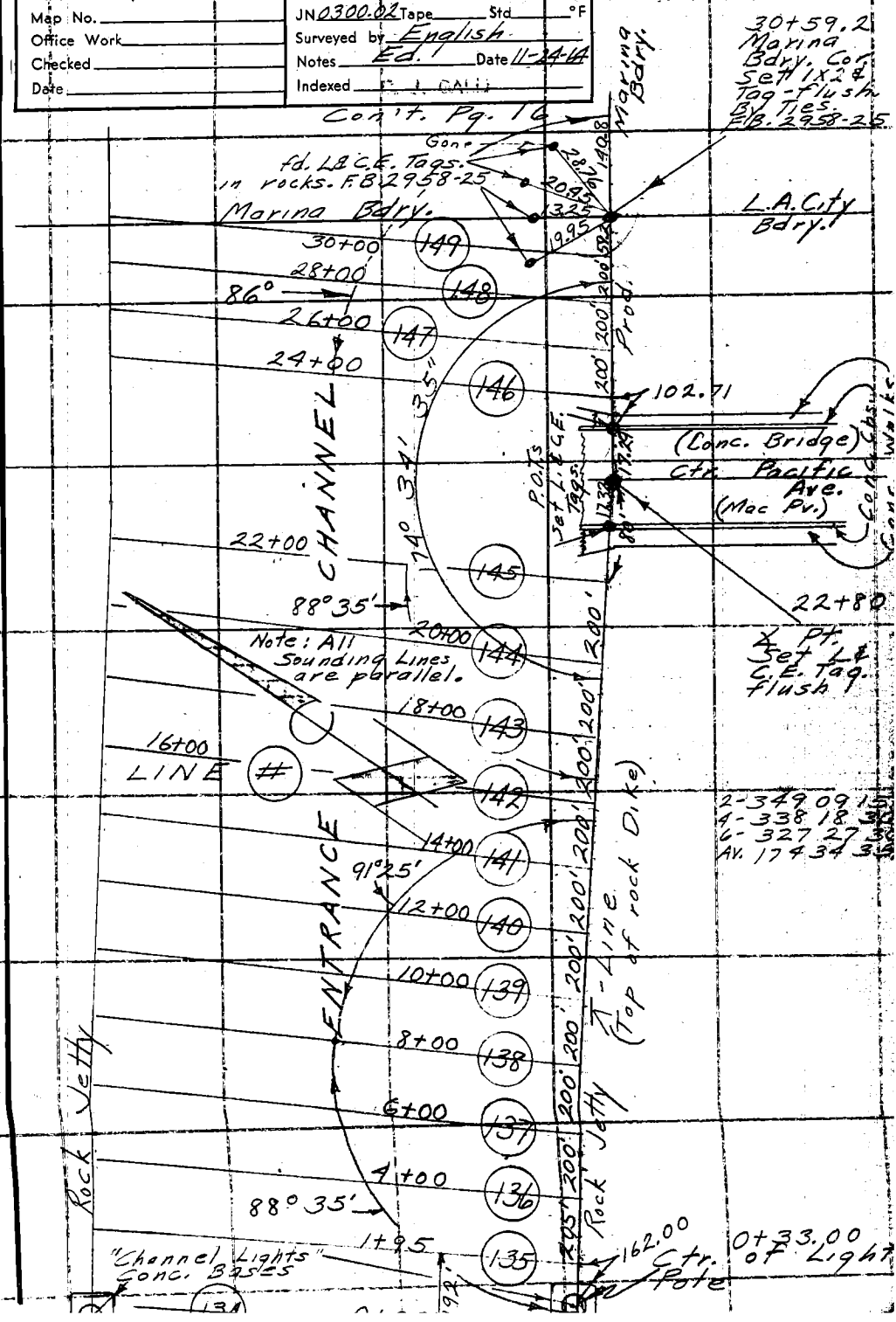


Notes Ck'd by	Survey of Marina Del Rey	F. B. 3223 Pg. 17
Map No.	JN 0300.02 Tape Std °F	
Office Work	Surveyed by English	
Checked	Notes Ed. Date 11-24-64	
Date	Indexed	



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76F309S CE #310

Profile No. ____ X-Sec. No. ____

Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 | F. B. 3223 Pg. 19

Date ____ Date ____ Survey of Marina Del Rey

Notes Chkd. ____ Checked ____ Survey by English Notes Ed. I Date 12-7-64

Date ____ Date ____ Map No. ____ Indexed C. L. [illegible] Date ____

MARINA DEL REY

J.N. 0300.02

Hydrographic Survey

Cut-in Angles

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

Do not extend notes this side of this line.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only: Range	Line Deg.	Line Min.	Card No
Don't Punch	Don't Punch	Don't Punch	Don't Punch						

Dec. 7, 1964
English
Shoemaker
Fowler
Dupuis
Tollison

761296 307 Cdb 1-62

76L298 307 Cdb 1-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Profile No. X-Sec. No.

Plotted Date Checked Date

Notes Red. Date Notes Chkd. Date

Job No. 0300 Division No. 11

Survey of Marina Del Rey Notes Ed

Survey by English Date

Indexed C. J. GALLI

INST. AT	SIGHT ON	TIME	ANGLE Nº	Right HOR. ANGLE DEG.	MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
∡ Pt.	0+03		1	21.	19.			
22+80 (pg.17)	Line #134		2	18.	38.			
			3	16.	37.			13406
			4	14.	34.			
			5	13.	01.			
			6	10.	15.			13407
			7	8.	04.			
			8	5.	51.			
			9	3.	22.			13408
			10	1.	46.			
				00.	00.			
				00.	00.			13409
				00.	00.			
				00.	00.			
				00.	00.			13410
				91.	25.			
				00.	00.			
				00.	00.			13404
				00.	00.			
				00.	00.			
				00.	00.			13405

Line # 134 (pg.17)

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

Line # 136 (pg. 17)

INST. AT	SIGHT ON	TIME	ANGLE Nº	Right HOR. ANGLE DEG.	MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
∡ Pt.	4+00		1	25.	24.			
22+80	# 136		2	22.	44.			
(pg.	17)		3	18.	49.			13606
			4	15.	21.			
			5	11.	57.			
			6	8.	14.			13607
			7	4.	39.			
			8	2.	21.			
				00.	00.			13608
				00.	00.			
				00.	00.			
				00.	00.			13609
				91.	25.			
				00.	00.			
				00.	00.			13604
				00.	00.			
				00.	00.			
				00.	00.			13605

F. B. 3225 PG. 22 Job No. 0300.02 Division No. 11 Notes Red. Plotted Date Date No. Profile
Survey of Marina Del Rey Notes Chkd. Checked Date X-Sec.
Survey by English Notes Ed Date No.
Indexed C. J. GALLI Date

76L298.3 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

Line # 137 (pg. 17)

INST. AT	SIGHT ON	TIME	ANGLE Nº	Right HOR ANGLE DEG.	MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
℄ Pt.	6+00		1	28.	17.			
2+80	#137		2	26.	25.			
			3	23.	15.			13706
			4	19.	56.			
			5	16.	28.			
			6	12.	23.			13707
			7	8.	12.			
			8	5.	04.			
			9	2.	27.			13708
				00.	00.			
				00.	00.			
				00.	00.			13709
				91.	25.			
				00.	00.			
				00.	00.			13704
				00.	00.			
				00.	00.			
				00.	00.			13705

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300 Division No. 11 F. B. 3225 Pg. 23
X-Sec. No. ____ Date ____ Date ____ Survey of Marina Del Rey
Notes Chkd. ____ Checked ____ Survey by English Notes Ed Date 12-15-64
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Line # 138 (pg. 17)

INST. AT	SIGHT ON	TIME	ANGLE Nº	Right HOR. ANGLE DEG.	MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
X Pt.	8+00		1	31.	18.			
22+80	#138		2	29.	13.			
			3	26.	59.			13806
			4	23.	47.			
			5	19.	45.			
			6	15.	44.			13807
			7	11.	37.			
			8	7.	37.			
			9	4.	27.			13808
			10	2.	13.			
				00.	00.			
				00.	00.			13809
				00.	00.			
				00.	00.			
				00.	00.			13810
				91.	25.			
				00.	00.			
				00.	00.			13804
				00.	00.			
				00.	00.			
				00.	00.			13805

Profile
F. B. 3223 PG. 24 Job No. 0300.02 Division No. 11 Notes Red. Plotted
Survey of Marina Del Rey Date Date No. X-Sec.
Survey by English Notes Ed Notes Chkd. Checked
Indexed C. J. GALLI Date Date Date No.

76L298 307 Cdb 1-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Line # 139 (pg. 17)

INST. AT	SIGHT ON	TIME	ANGLE Nº	Right HOR. ANGLE DEG.	MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
∡ Pt.	10+00		1	35.	21.			
12+80	#139		2	32.	12.			
			3	28.	16.			13906
			4	22.	56.			
			5	17.	19.			
			6	12.	28.			13907
			7	6.	11.			
			8	2.	41.			
				00.	00.			13908
				00.	00.			
				00.	00.			
				00.	00.			13909
				91.	25.			
				00.	00.			
				00.	00.			13904
				00.	00.			
				00.	00.			
				00.	00.			13905

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.5 Division No. 11 F. B. 3223 Pg. 25
X-Sec. No. ____ Date ____ Date ____ Survey of Marina Del Rey
Notes Chkd. ____ Checked ____ Survey by English Notes Ed Date 12-16-64
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76L298 307 Cdb 1-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Line # 140 (pg. 17)

INST. AT	SIGHT ON	TIME	ANGLE No	Right HOR. ANGLE DEG.	MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	MIN.	CARD No.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
∡ Pt.	#140		1	39.	35.			
22+80	12+00		2	37.	26.			
			3	34.	41.			14006
			4	30.	48.			
			5	26.	14.			
			6	21.	45.			14007
			7	17.	04.			
			8	12.	47.			
			9	8.	52.			14008
			10	5.	45.			
			11	2.	47.			
				00.	00.			14009
				00.	00.			
				00.	00.			
				00.	00.			14010
				91.	25.			
				00.	00.			
				00.	00.			14004
				00.	00.			
				00.	00.			
				00.	00.			14005

F. B. 3223 PG. 26 Job No. 0300 Division No. 11 Notes Red. Plotted Profile
Survey of Marina Del Rey Date Date No.
Survey by English Notes Ed Notes Chkd. Checked X-Sec.
Indexed Date Date No.

76L298 307 Cdb 1-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	Right HOR ANGLE DEG.	MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
∡ Pt.	#141		1	45.	48.			
22+80	14+00		2	43.	25.			
			3	40.	14.			14106
			4	34.	54.			
			5	28.	21.			
			6	22.	08.			14107
			7	5.	49.			
			8	2.	41.			
			9	3.	51.			14108
				00.	00.			
				00.	00.			
				00.	00.			14109
				91.	25.			
				00.	00.			
				00.	00.			14104
				00.	00.			
				00.	00.			
				00.	00.			14105

Line # 141
(Pg. 17)

Profile Notes Red. ____ Plotted ____ Job No. 0300 02 Division No. 11 F. B. 3223 Pg. 27
No. ____ Date ____ Date ____ Survey of Marina Del Rey
X-Sec. Notes Chkd. ____ Checked ____ Survey by English Notes Ed Date 12-16-64
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

76L298 307 Cdb 1-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Profile No. X-Sec. No.

F. B. 3223 Pgs. 28 | Job No. 3300 Division No. // Plotted Date
Survey of Marina Del Rey Notes Red. Date
Survey by Engineering Notes Chkd. Date
Indexed C.S. GALL Notes Date Checked Date

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE Right DEG.	MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
℄ Pt.	#142		1	52.	47.			
22+80	16+00		2	50.	31.			
			3	47.	53.			14206
			4	43.	16.			
			5	36.	57.			
			6	29.	44.			14207
			7	20.	50.			
			8	12.	13.			
			9	5.	03.			14208
				00.	00.			
				00.	00.			
				00.	00.			14209
				91.	25.			
				00.	00.			
				00.	00.			14204
				00.	00.			
				00.	00.			
				00.	00.			14205

Line # 142 (Pg. 17)

76L298 307 Cdb 1-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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NST. AT	SIGHT ON	TIME	ANGLE Nº	Right HOR. ANGLE DEG.	MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
℄ Pt.	#143		1	61.	53.			
22+80	18+00		2	59.	37.			
			3	56.	36.			14306
			4	51.	23.			
			5	43.	56.			
			6	36.	31.			14307
			7	28.	30.			
			8	17.	08.			
			9	7.	37.			14308
				00.	00.			
				00.	00.			
				00.	00.			14309
				91.	25.			
				00.	00.			
				00.	00.			14304
				00.	00.			
				00.	00.			
				00.	00.			14305

Line #143
(Pg. 17)

Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 3223 Pg. 29
No. Date Date Survey of Marina Del Rey
X-Sec. Notes Chkd. Checked Survey by English Notes Ed Date 12-16-64
No. Date Date Map No. Indexed J. GALLE Date

76L298 307 Cdb 1-62

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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.

Line # 144 (Pg. 17)

Inst. At (Don't Punch)	Sight On (Don't Punch)	Time (Don't Punch)	Angle No (Don't Punch)	Left Hor. Angle Deg.	Left Hor. Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.
#142	#144		1	67.	46.			
16+00	20+00		2	66.	01.			
			3	64.	00.			14404
			4	60.	41.			
			5	54.	37.			
			6	47.	33.			14405
			7	37.	51.			
			8	29.	15.			
			9	20.	29.			14406
			10	10.	04.			
				00.	00.			
				00.	00.			14407
				00.	00.			
				00.	00.			
				00.	00.			14408
				88.	35.			
				00.	00.			
				00.	00.			14409
				00.	00.			
				00.	00.			
				00.	00.			14410

F. B. 3225 Pg. 30 Job No. 0300 Division No. 11 Notes Red. Plotted Profile
Survey of Marina Del Rey Date Date No.
Survey by English Notes Ed Notes Chkd. Checked X-Sec.
Indexed C. J. GALLI Date Date Date No.

76L298 307 Cdb 1-62

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

Do not extend notes this side of this line.

Line # 145 (Pg. 17)

INST. AT	SIGHT ON	TIME	ANGLE Nº	Left HOR. ANGLE DEG.	MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#142	#145		1	57.	50.			
16+00	22+00		2	55.	51.			
			3	53.	05.			14504
			4	48.	02.			
			5	43.	04.			
			6	36.	48.			14505
			7	28.	47.			
			8	18.	09.			
			9	9.	40.			14506
				00.	00.			
				00.	00.			
				00.	00.			14507
				88.	35.			
				00.	00.			
				00.	00.			14508
				00.	00.			
				00.	00.			
				00.	00.			14509

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 03000 Division No. 11 F. B. 3223 Pg. 31
X-Sec. No. ____ Date ____ Date ____ Survey of Marina Del Rey
Notes Chkd. ____ Checked ____ Survey by Ema/Lsh Notes Ed Date 12-18-64
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76L298 307 Cdb 1-62

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

Do not extend notes this side of this line.

Line #146 (Pg. 17)

Inst. At (Don't Punch)	Sight On (Don't Punch)	Time (Don't Punch)	Angle No (Don't Punch)	Right Hor. Angle Deg.	Right Hor. Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.
#153	#146		1	34.	47.			
38+00	24+00		2	33.	44.			
			3	31.	35.			14606
			4	29.	33.			
			5	26.	09.			
			6	22.	28.			14607
			7	17.	37.			
			8	12.	05.			
			9	7.	49.			14608
			10	3.	32.			
				00.	00.			
				00.	00.			14609
				00.	00.			
				00.	00.			
				00.	00.			14610
				86.	00.			
				00.	00.			
				00.	00.			14604
				00.	00.			
				00.	00.			
				00.	00.			14605

Profile No. X-Sec. No.
Plotted Date Checked Date
Notes Red. Date Notes Chkd. Date
Division No. 11
Job No. 03 00 32
Survey of Marina Del Rey
Survey by English Notes Ed.
Indexed C. J. GALLI Date
F. B. 3443 Pg. 32

76L298 307 Cdb 1-62

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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.

Line # 147

INST. AT	SIGHT ON	TIME	ANGLE Nº	Right HOR ANGLE DEG.	MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#153	#147		1	38.	36.			
38+00	26+00		2	37.	25.			
			3	35.	48.	8		14706
			4	33.	15.	7		
			5	29.	34.	6		
			6	25.	51.	5		14707
			7	22.	12.			
			8	18.	01.			
			9	14.	06.			14708
			10	9.	37.			
			11	3.	41.			
				00.	00.			14709
				00.	00.			
				00.	00.			
				00.	00.			14710
				86.	00.			
				00.	00.			
				00.	00.			14704
				00.	00.			
				00.	00.			
				00.	00.			14705

Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3223 Pg. 33
No. ____ Date ____ Date ____ Survey of Marine Del Rey
X-Sec. Notes Chkd. ____ Checked ____ Survey by English Notes Ed. Date 1-4-65
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76L298 307 Cdb 1-62

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

Profile No. X-Sec. No.

Plotted Date Checked Date

Notes Red. Date Notes Chkd. Date

Job No. 0500 Division No. 11 Notes Del Rey Notes E4 Date

F. B. 32225 Pg. 34 Survey of Marina Survey by Engineer C. J. Gault Indexed

Do not extend notes this side of this line.

Inst. At (Don't Punch)	Sight On (Don't Punch)	Time (Don't Punch)	Angle No. (Don't Punch)	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.
#153	#148		1	43.	35.			
38+00	28+00		2	42.	06.			
			3	40.	09.			14806
			4	37.	58.			
			5	35.	16.			
			6	31.	47.			14807
			7	28.	01.			
			8	23.	57.			
			9	20.	26.			14808
			10	17.	17.			
			11	12.	59.			
			12	8.	34.			14809
			13	4.	09.			
				00.	00.			
				00.	00.			14810
				00.	00.			
				00.	00.			
				00.	00.			14811-

Right

Line # 148
(pg. 17)

76L298 307 Cdb 12-62

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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.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Deg.	For Office Use Only Line Min.	For Office Use Only Card No
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
				86.	00.			
				00.	00.			
				00.	00.			14804
				00.	00.			
				00.	00.			
				00.	00.			14805

Profile Notes Red. Plotted Job No. Division No.
No. Date Date Survey of
X-Sec. Notes Chkd. Checked Survey by Notes Date
No. Date Date Map No. Indexed Date

F. B. 3225 Pg. 34A

76L298 307 Cdb 1-62

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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.

Line # 149 (Pg. 17)

INST. AT	SIGHT ON	TIME	ANGLE Nº	Right HOR. ANGLE DEG.	MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#153	#149		1	49.	58.			
38+00	30+00		2	48.	15.			
			3	45.	59.			14906
			4	43.	03.			
			5	39.	06.			
			6	35.	31.			14907
			7	31.	25.			
			8	27.	18.			
			9	21.	48.			14908
			10	15.	49.			
			11	10.	01.			
			12	5.	09.			14909
				00.	00.			
				00.	00.			
				00.	00.			14910
				86.	00.			
				00.	00.			
				00.	00.			14904
				00.	00.			
				00.	00.			
				00.	00.			14905

Profile Notes Red. Plotted Job No. 0500 Division No. 11 F.B. 3223 Pg. 35
No. Date Date Survey of Marina Del Rey
X-Sec. Notes Chkd. Checked Survey by English Notes Ed Date 1-4-64
No. Date Date Map No. Indexed C. J. GALLI Date

76L298 307 Cdb 1-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

Line # 150 (pg. 16)

Inst. At	Sight On	Time	Angle No	Left Hor. Angle Deg.	Left Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
#148	#150		1	62.	01.			
28+00	32+00		2	61.	07.			
			3	59.	18.			15004
			4	56.	06.			
			5	51.	41.			
			6	45.	28.			15005
			7	40.	21.			
			8	31.	13.			
			9	21.	58.			15006
			10	8.	46.			
				00.	00.			
				00.	00.			15007
				00.	00.			
				00.	00.			
				00.	00.			15008
				94.	00.			
				00.	00.			
				00.	00.			15009
				00.	00.			
				00.	00.			
				00.	00.			15010

F. B. 3223 Pg. 36 Job No. 0300 Division No. 11 Notes Red. Plotted Profile
Survey of Marina Del Rey Date Date No.
Survey by English Notes Ed. Notes Chkd. Checked X-Sec.
Indexed C. J. GALLI Date Date Date No.

76L298 307 Cdb 1-62

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Do not extend notes this side of this line.

Line # 151 (Pg. 16)

INST. AT	SIGHT ON	TIME	ANGLE Nº	Left HOR. ANGLE DEG.	MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#148	#151		1	52.	29.			
28+00	34+00		2	51.	03.			
			3	49.	22.			15104
			4	46.	43.			
			5	42.	39.			
			6	37.	33			15105
			7	32.	25.			
			8	27.	11.			
			9	20.	58.			15106
			10	14.	26.			
			11	5.	37.			
				00.	00.			15107
				00.	00.			
				00.	00.			
				00.	00.			15108
				94.	00.			
				00.	00.			
				00.	00.			15109
				00.	00.			
				00.	00.			
				00.	00.			15110

Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 3223 Pg. 37
No. ____ Date ____ Date ____ Survey of Marina Del Rey
X-Sec. Notes Chkd. ____ Checked ____ Survey by English Notes Ed Date 1-5-65
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALL Date ____

76L298 307 Cdb 1-62

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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.

Line # 152 (Pg. 16)

Inst. At (Don't Punch)	Sight On (Don't Punch)	Time (Don't Punch)	Angle No (Don't Punch)	Left Hor. Angle Deg.	Left Hor. Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.
#148	#152		1	45.	18.			
28+00	36+00		2	—	—			
			3	41.	07.			
			4	37.	12.			15204
			5	32.	11.			
			6	25.	48.			
			7	17.	15.			15205
			8	11.	04.			
			9	4.	23.			
				00.	00.			15206
				00.	00.			
				00.	00.			
				00.	00.			15207
				94.	00.			
				00.	00.			
				00.	00.			15208
				00.	00.			
				00.	00.			
				00.	00.			15209

F. B. 3223 Pg. 381 Job No. 33 Division No. 11 Notes Red. Plotted Profile
Survey of Marina Del Rey Date Date No. X-Sec.
Survey by English Notes Ed Notes Chkd. Checked
Indexed C. J. GALLI Date Date No.

76L298 307 Cdb 1-62

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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.

Line # 153 (Pg. 16)

INST. AT	SIGHT ON	TIME	ANGLE Nº	Left HOR. ANGLE DEG.	MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#148	#153		1	40.	25.			
28+00	38+00		2	39.	06.			
			3	36.	14.			15304
			4	33.	19.			
			5	29.	07.			
			6	24.	20.			15305
			7	18.	21.			
			8	12.	55.			
			9	10.	03.			15306
			10	6.	42.			
			11	3.	48.			
				00.	00.			15307
				00.	00.			
				00.	00.			
				00.	00.			15308
				94.	00.			
				00.	00.			
				00.	00.			15309
				00.	00.			
				00.	00.			
				00.	00.			15310

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300 Division No. 11 F. B. 3225 Pg. 39
X-Sec. No. ____ Date ____ Date ____ Survey of Marina Del Rey
Notes Chkd. ____ Checked ____ Survey by Emmitsh Notes Ed Date 1-5-65
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76L298 307 Cdb 1-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

Line # 154 (Pg. 16)

Inst. At (Don't Punch)	Sight On (Don't Punch)	Time (Don't Punch)	Angle No (Don't Punch)	Left Hor. Angle Deg.	Left Hor. Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.
#148	#154		1	37.	32.			
28+00	40+00		2	36.	22.			
			3	34.	49.			15404
			4	32.	34.			
			5	28.	52.			
			6	25.	09.			15405
			7	20.	51.			
			8	17.	18.			
			9	14.	25.			15406
			10	10.	57.			
			11	7.	28.			
			12	5.	03.			15407
			13	2.	51.			
				00.	00.			
				00.	00.			15408
				00.	00.			
				00.	00.			
				00.	00.			15409

F. B. 3225 Pg. 40 Job No. 0300 Division No. 11 Notes Red. Plotted Profile
Survey of Marina Del Rey Date Date No. X-Sec.
Survey by English Notes Ed Notes Chkd. Checked
Indexed G. J. GALLI Date Date Date No.

76L298 307 Cdb 1-62

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Do not extend notes this side of this line.

Line # 155 (Pg. 16)

INST. AT	SIGHT ON	TIME	ANGLE Nº	Left HOR. ANGLE DEG.	MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#153	#155		1	66.	01.			
38+00	42+00		2	65.	04.			
			3	63.	57.			15504
			4	61.	57.			
			5	60.	10.			
			6	57.	33.			15505
			7	53.	54.			
			8	48.	23.			
			9	44.	21.			15506
			10	39.	13.			
			11	31.	04.			
			12	22.	06.			15507
			13	15.	53.			
			14	9.	29.			
				00.	00.			15508
				00.	00.			
				00.	00.			
				00.	00.			15509

Profile Notes Red. ____ Plotted ____ Job No. 0300.00 Division No. 11 F. B. 3223 Pg. 41
No. ____ Date ____ Date ____ Survey of Marina Del Rey
X-Sec. Notes Chkd. ____ Checked ____ Survey by Eng. Sh. Notes Ed Date 1-5-65
No. ____ Date ____ Date ____ Map No. ____ Index D. J. GALLI Date ____

76L298 907 Cdb 12-62

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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.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Deg.	For Office Use Only Line Min.	For Office Use Only Card No
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
				99.	00.			
				00.	00.			
				00.	00.			15510
				00.	00.			
				00.	00.			
				00.	00.			15511

Profile Notes Red. Plotted Job No. Division No.

No. Date Survey of

X-Sec. Notes Chkd. Checked Survey by Notes Date

No. Date Map No. Indexed Date

F. B. 3265 Pg. 414

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Profile No. X-Sec. No.

Plotted Date Checked Date

Notes Red. Date Notes Chkd. Date

Division No. Job No. Pg. 42

Survey of Mavina Del Rey

Survey by Finlish Notes Ed

Indexed C. J. GALLI Date

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#153	#156		1	60.	14.			
38+00	44+00		2	58.	50.			
			3	56.	32.			15604
			4	54.	29.			
	Sheet Piles		5	51.	50.			
			6	48.	08.			15605
			7	44.	05.			
			8	36.	38.			
			9	29.	25.			15606
			10	20.	06.			
			11	11.	29.			
			12	5.	47.			15607
				00.	00.			
				00.	00.			
				00.	00.			15608
				94.	00.			
				00.	00.			
				00.	00.			15609
				00.	00.			
				00.	00.			
				00.	00.			15610

Line #156 (Pg. 16)

156 series Missed

76L298 307 Cdb 12-62

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

Do not extend notes this side of this line.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Deg.	Range Min.	Card No
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
				90.	00.			
				00.	00.			
				00.	00.			15910
				00.	00.			
				00.	00.			
				00.	00.			15911

Profile Notes Red. Plotted Job No. Division No.
No. Date Date Survey of
X-Sec. Notes Chkd. Checked Survey by Notes Date
No. Date Date Map No. Indexed Date

F. B. 3223 Pg. 424

76L298 307 Cdb 1-62

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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.

Line # 157 (Pg. 16)

INST. AT	SIGHT ON	TIME	ANGLE Nº	Left HOR. ANGLE DEG.	MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#153	#157		1	54.	40.			
38+00	46+00		2	52.	56.			
			3	50.	48.			15704
			4	48.	25.			
			5	44.	35.			
			6	40.	13.			15705
			7	35.	09.			
			8	30.	02.			
			9	23.	37.			15706
			10	16.	41.			
			11	10.	18.			
			12	4.	42.			15707
				00.	00.			
				00.	00.			
				00.	00.			15708
				94.	00.			
				00.	00.			
				00.	00.			15709
				00.	00.			
				00.	00.			
				00.	00.			15710

Profile Notes Red. ____ Plotted ____ Job No. 03[illegible] Division No. 11 F. B. 3223 Pg. 43
No. ____ Date ____ Date ____ Survey of Marina Del Rey
X-Sec. Notes Chkd. ____ Checked ____ Survey by English Notes Ed Date 1-5-65
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76L298 307 Cdb 1-62

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

Do not extend notes this side of this line.

Line # 158 (Pg. 16)

Inst. At (Don't Punch)	Sight On (Don't Punch)	Time (Don't Punch)	Angle No (Don't Punch)	Left Hor. Angle Deg.	Left Hor. Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.
#155	#158		1	58.	35.			
42+00	48+00		2	55.	51.			
			3	52.	20.			15804
			4	47.	57.			
			5	42.	42.			
			6	34.	42.			15805
			7	24.	58.			
			8	—	—			
			9	8.	44.			
				00.	00.			15806
				00.	00.			
				00.	00.			
				00.	00.			15807
				94.	00.			
				00.	00.			
				00.	00.			15808
				00.	00.			
				00.	00.			
				00.	00.			15809

Profile No. X-Sec. No.
Plotted Date Checked Date
Notes Red. Date Notes Chkd. Date
Division No. 11 Job No. 02
Survey of Maxima Del Rey Notes Ed
Survey by English Date
Indexed C. J. GALLI

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Do not extend notes this side of this line.

Line #159 (Pg. 16)

INST. AT	SIGHT ON	TIME	ANGLE Nº	Left HOR. ANGLE DEG.	MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#155	#159		1	49.	47.			
42+00	49+90		2	48.	24.			
			3	46.	34.			15904
			4	Sheet Pil. 44.	57.			
			5	42.	22.			
			6	38.	13.			15905
			7	33.	22.			
			8	28.	02.			
			9	20.	52.			15906
			10	13.	11.			
				00.	00.			
				00.	00.			15907
				00.	00.			
				00.	00.			
				00.	00.			15908
				94.	00.			
				00.	00.			
				00.	00.			15909
				00.	00.			
				00.	00.			
				00.	00.			15910

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300 Division No. 11 F.B. 3223 Pg. 45
X-Sec. No. ____ Date ____ Date ____ Survey of Marina Del Rey
Notes Chkd. ____ Checked ____ Survey by English Notes Ed Date 1-6-65
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76L298 307 Cdb 1-62

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

Do not extend notes this side of this line.

Line # 160 (Pg. 16)

Inst. At (Don't Punch)	Sight On (Don't Punch)	Time (Don't Punch)	Angle No. (Don't Punch)	Left Hor. Angle Deg.	Left Hor. Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.
#155	#160		1	39.	56.			
42+00	#52+00		2	37.	50.			
			3	36.	07.			16004
			4	Sheet Pile 34.	12.			
			5	30.	35.			
			6	27.	13.			16005
			7	24.	48.			
				00.	00.			
				00.	00.			16006
				00.	00.			
				00.	00.			
				00.	00.			16007
				99.	00.			
				00.	00.			
				00.	00.			16008
				00.	00.			
				00.	00.			
				00.	00.			16009

Profile No. X-Sec. No.
Plotted Date Checked Date
Notes Red. Date Notes Chkd. Date
Division No. 11
Job No. 03001
Pg. 76
Survey of Marina Del Rey
Survey by English Notes Ed
Indexed C. J. GALLI Date

76L298 307 Cdb 1-62

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Do not extend notes this side of this line.

Line # 161 (Pg. 15)

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE Right DEG.	HOR. ANGLE Right MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#165	#161		1	51	52	1019.0		
E. Side of M.C.			2	50	10	959.0		
			3	48	24	901.0		
			4	45	11	805.1		
			5	42	46	739.9		
			6	39	38	662.6		
			7	35	13	564.7		
			8	31	27	489.3		
			9	27	45	420.9		
			10	23	35	349.2		
			11	18	08	262.0		
			12	11	53	168.3		
			13	4	53	68.4		

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 830[illegible] Division No. 11 F. B. 3225 Pg. 47
X-Sec. No. ____ Date ____ Date ____ Survey of Marine Del Rey
Notes Chkd. ____ Checked ____ Survey by English Notes Ed. Date 12-23-64
Date ____ Date ____ Map No. ____ Indexed G. J. GAL Date ____

76L298 307 Cdb 1-62

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

Do not extend notes this side of this line.

Line # 162 (Pg. 15)

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE (Right) DEG.	MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#165	#162		1	59	11	1005.8		
E. Side of M.C.			2	58	03	962.0		
			3	56	07	893.5		
			4	53	45	818.3		
			5	50	42	733.1		
			6	47	40	658.6		
			7	43	34	570.7		
			8	39	22	492.3		
			9	33	54	403.2		
			10	27	33	313.0		
			11	19	30	212.5		
			12	11	17	119.7		
			13	2	44	28.6		

F. B. 3225 Pg. 40 Job No. 0300 Division No. 11 Notes Red. Plotted Date Date Notes Chkd. Checked Date Date Date

Survey of Marina Del Rey Notes Ed

Survey by English Notes

Indexed C. J. GRILL Date

Profile No. X-Sec. No.

76L298 307 Cdb 1-62

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Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	Right HOR. ANGLE DEG.	MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#165	#163		1	67	32	967.3		
(E. side of	M.C.)		2	66	56	939.3		
			3	64	31	839.2		
			4	32	37	772.2	?	
			5	59	43	685.0		
			6	55	55	591.2		
			7	51	07	496.0		
			8	46	32	422.0		
			9	39	01	324.1		
			10	30	11	232.6		
			11	18	54	137.0		
			12	4	29	31.4		

Line # 163 (Pg. 15)

Profile Notes Red. ____ Plotted ____ Job No. 0300.00 Division No. 11 F. B. 3223 Pg. 49
No. ____ Date ____ Date ____ Survey of Marina Del Rey
X-Sec. Notes Chkd. ____ Checked ____ Survey by English Notes Ed Date 12-23-64
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLE Date ____

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

Do not extend notes this side of this line.

Line # 164 (Pg. 15)

INST. AT	SIGHT ON	TIME	ANGLE Nº	Left HOR. ANGLE DEG.	Left HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#161	#164		1	58	37	983.6		
(E. of Side M.C.)			2	56	34	908.8		
			3	55	33	874.6		
			4	53	54	822.8		
			5	50	56	739.2		
			6	47	58	665.6		
			7	44	08	582.1		
			8	39	38	497.0		
			9	34	47	416.8		
			10	27	26	311.5		
			11	20	36	225.5		
			12	13	37	145.3		
			13	7	11	75.6		
			14	00	56	9.8		

Profile No. X-Sec. No.
Plotted Date
Notes Red. Date
Notes Chkd. Date
Division No. 11
Job No. 0300.00
Survey of Marina Del Rey
Survey by English Notes Ed
Indexed C. J. GALLI Date
F. B. 3223 Pg. 301

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

Do not extend notes this side of this line.

Left

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#161	#165		1	51	18	998.6		
(E. side of M.C.)			2	49	24	933.4		
			3	46	56	855.9		
			4	44	33	787.5		
			5	41	58	719.5		
			6	38	18	631.8		
			7	34	24	547.8		
			8	30	06	463.7		
			9	25	07	375.0		
			10	20	03	292.0		
			11	14	12	202.4		
			12	8	34	120.5		
			13	4	49	67.4		
			14	0	40	9.3		

Line #165 (Pg. 15)

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.00 Division No. 11 F. B. 3223 Pg. 51
X-Sec. No. ____ Date ____ Date ____ Survey of Marina Del Rey
Notes Chkd. ____ Checked ____ Survey by English Notes Ed Date 12-23-64
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

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Do not extend notes this side of this line.

Line #166 (Pg. 15)

INST. AT	SIGHT ON	TIME	ANGLE Nº	Right HOR. ANGLE DEG.	MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#174	#166		1	33	26	995.6		
(E. Side of M.C.)			2	31	33	925.9		
			3	29	55	867.7		
			4	27	13	775.6		
			5	(Barge		—		
			6	on line)		—		
			7	21	37	597.6		
			8	18	45	511.9		
			9	15	04	406.0		
			10	11	31	307.3		
			11	8	07	215.1		
			12	4	20	114.3		

F. B. 3225 Pg. 52 Job No. 03000 Division No. 11 Notes Red. Plotted Profile
Survey of Marina Del Rey Date Date No.
Survey by English Notes Ed Notes Chkd. Checked X-Sec.
Indexed C. J. GALLI Date Date No.

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Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	Right HOR. ANGLE DEG.	MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#174	#167		1	45	03	1310.2		
(E. of	Side M.C.)		2	32	35	836.0		
			3	29	44	747.1		
			4	23	04	557.0		
			5	19	58	475.2		
			6	[illegible]	[illegible]	401.6		
			7	13	59	325.7		
			8	10	30	242.4		
			9	7	18	167.6		
			10	4	42	107.5		
			11	3	26	78.5		
			12	0	27	11.0		

Line #167 (Pg. 15)

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3223 Pg. 53
X-Sec. No. ____ Date ____ Date ____ Survey of Marina Del Rey
Notes Chkd. ____ Checked ____ Survey by English Notes Ed. Date 12-23-64
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

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Do not extend notes this side of this line.

Line # 168 (Pg. 14)

Inst. At	Sight On	Time	Angle No	Right Hor. Angle Deg.	Right Hor. Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
#174	#168		1	40	53	979.1		
(E. Side of M.C.)			2	37	21	927.4		
			3	36	41	842.5		
			4	32	56	732.6		
			5	30	18	660.9		
			6	24	17	510.3		
			7	19	51	408.3		
			8	16	13	328.9		
			9	12	50	257.7		
			10	8	05	160.6		
			11	4	21	86.0		
			12	0	40	13.2		

F. B. 3223 Pg. 54 Job No. 0300 Division No. 11 Notes Red. Plotted Profile
Survey of Marina Del Rey Date Date No.
Survey by English Notes Ed Notes Chkd. Checked X-Sec.
Indexed C. J. GALLI Date Date Date No.

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Do not extend notes this side of this line.

Line # 169 (Pg. 15)

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE Right DEG.	HOR. ANGLE Right MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#174	#167		1	43	50	915.9		
(E. of	Side M.C.)		2	41	54	856.0		
			3	39	33	787.8		
			4	36	57	717.6		
			5	33	26	629.8		
			6	30	31	562.3		
			7	28	42	522.3		
			8	23	39	417.8		
			9	20	23	354.5		
			10	16	05	275.1		
			11	11	23	192.1		
			12	6	24	107.0		
			13	3	06	51.7		
			14	0	54	15.0		

Profile Notes Red ____ Plotted ____ Job No. 0300.0 Division No. 11 F. B. 3223 Pg. 55
No. ____ Date ____ Date ____ Survey of Marina Del Rey
X-Sec. Notes Chkd. ____ Checked ____ Survey by English Notes Ed Date 12-3-64
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

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

Do not extend notes this side of this line.

Line # 170 (Pg. 14)

INST. AT (DON'T PUNCH)	SIGHT ON (DON'T PUNCH)	TIME (DON'T PUNCH)	ANGLE Nº (DON'T PUNCH)	HOR. ANGLE (Right) DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
#170	#170		1	52	55	997.5		
(E. side of N.C.)			2	50	47	924.0		
			3	48	21	847.7		
			4	45	46	774.4		
			5	41	38	670.2		
			6	38	05	590.9		
			7	34	22	517.2		
			8	28	27	409.1		
			9	23	40	330.5		
			10	16	11	218.8		
			11	9	14	122.6		
			12	3	40	48.3		
			13	0	0	—		

Profile No. X-Sec. No.
Plotted Date Checked Date
Notes Red. Date Notes Chkd. Date
Division No. 11
Job No. 0000
Survey of Marina Del Rey
Survey by English Notes Edl
Indexed C.J. GALLI Date
F.B. 3223 Pg. 56

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	Right HOR. ANGLE DEG.	MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
[illegible]	#171		1	61	01	1000.1		
(E. Side of M.C.)			2	59	01	922.6		
			3	57	02	854.2		
			4	54	24	778.6		
			5	[illegible]	[illegible]	721.5		
			6	4[illegible]	35	628.0		
			7	[illegible]	[illegible]	541.6		
			8	[illegible]	[illegible]	464.3		
			9	34	[illegible]	376.7		
			10	26	57	280.9		
			11	18	39	187.0		
			12	9	29	92.5		
			13	0	00	—		

Line # 171 (Pg. 14)

Profile No. ____ Notes Red ____ Plotted ____ Job No. 030[illegible] Division No. 11 F. B. 3223 Pg. 57
Date ____ Date ____ Survey of Marina Del Rey
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by Engl. Sh. Notes Ed Date 12-23-64
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

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Do not extend notes this side of this line.

Line # 172 (Pg. 14)

Inst. At (Don't Punch)	Sight On (Don't Punch)	Time (Don't Punch)	Angle No (Don't Punch)	Left Hor. Angle Deg.	Left Hor. Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.
#169	#172		1	58	53	994.0		
(E. SIDE OF M.C.)			2	58	10	966.4		
			3	55	37	876.8		
			4	51	52	764.3		
			5	47	17	649.9		
			6	40	27	511.5		
			7	32	24	380.8		
			8	23	[illegible]	260.3		
			9	[illegible]	[illegible]	97.7		
			10	[illegible]	[illegible]	14.8		

F. B. 3223 Pg. 38 Job No. 0300[illegible] Division No. 11 Notes Red. Plotted Profile
Survey of Mayina Del Rey Date Date No.
Survey by English Notes Ed Notes Chkd. Checked X-Sec.
Indexed W. J. GALLI Date 12-29-64 Date Date No.

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Do not extend notes this side of this line.

NST. AT	SIGHT ON	TIME	ANGLE Nº	Left HOR. ANGLE DEG.	MIN.	FOR OFFICE USE ONLY RANGE	LINE	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH			DEG.	MIN.	
169	#173		1	51	21	971.6		
E S OF	10I M.C.		2	49	35	912.4		
			3	46	20	814.1		
			4	41	27	686.2		
			5	35	39	557.3		
			6	28	51	428.0		
			7	22	02	314.5		
			8	11	38	160.0		
			9	5	57	81.0		
			10	1	18	17.6		

Line # 173
(Pg. 15)

Profile No. ____ Notes Red. ____ Plotted ____ Date ____ Job No. 0300100 Division No. 11 F.B. 3223 Pg. 59
X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of Maxima Del Rey
Survey by English Notes Ed Date 12-29-67
Map No. ____ Date ____ Indexed C. J. GALLI Date ____

76L298 307 Cdb 12-62

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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.

Line # 174 (Pg. 13)

Inst. At (Don't Punch)	Sight On (Don't Punch)	Time (Don't Punch)	Angle No. (Don't Punch)	Left Hor. Angle Deg.	Left Hor. Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.
#169 (E. SIDE OF N.C.)	#174		1	45	45	979.3		
			2	44	11	927.2		
			3	41	04	831.2		
			4	36	54	716.3		
			5	32	49	615.2		
			6	2[illegible]	52	504.4		
			7	2[illegible]	48	381.6		
			8	1[illegible]	04	292.9		
			9	1[illegible]	35	195.5		
			10	6	46	113.2		
			11	0	56	15.5		

F. B. 3223 Pg. 60 Job No. 0300.00 Division No. 11 Notes Red. Plotted Profile
Survey of Marina Del Rey Date Date No.
Survey by English Notes Ed Notes Chkd. Checked X-Sec.
Indexed C.J. GALLI Date 12-29-64 Date Date No.

76L298 307 Cdb 12-62

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Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	Left HOR. ANGLE DEG.	MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
169	175		1	40	45	994.4		
(E. SIDE OF M.C.)			2	37	12	875.9		
			3	33	15	756.6		
			4	29	00	639.7		
			5	24	42	530.8		
			6	19	58	419.3		
			7	15	22	318.9		
			8	9	28	192.4		
			9	4	07	83.1		
			10	0	00	—		

Line # 175
(Pg. 13)

Profile Notes Red. ____ Plotted ____ Job No. 2300 Division No. 11 F. B. 3225 Pg. 61
No. ____ Date ____ Date ____ Survey of Marina Del Rey
X-Sec. Notes Chkd. ____ Checked ____ Survey by English Notes Ed Date 12-29-60
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALL Date ____

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

Do not extend notes this side of this line.

Line # 176 (Pg. 13)

INST. AT (DON'T PUNCH)	SIGHT ON (DON'T PUNCH)	TIME (DON'T PUNCH)	ANGLE Nº (DON'T PUNCH)	Left HOR. ANGLE DEG.	Left HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
#169	#176		1	36	36	1005.6		
(E. S. OF	IDE M.C.)		2	34	22	925.9		
			3	31	32	830.8		
			4	27	24	701.8		
			5	23	54	600.0		
			6	19	59	492.4		
			7	15	33	376.8		
			8	12	32	301.0		
			9	7	30	178.3		
			10	2	45	65.0		
			11	0	00	—		

F. B. 3223 Pg. 62 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile
Survey of Marina Del Rey Date Date No. X-Sec.
Survey by English Notes Ed Notes Chkd. Checked
Indexed C. J. GALLI Date 12-29-64 Date Date No.

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	Left HOR. ANGLE DEG.	MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#174	#177		1	58	35	982.3		
(E. of	Side M.C.)		2	57	49	953.4		
			3	55	55	886.7		
			4	53	48	819.8		
			5	50	38	731.3		
			6	47	33	655.9		
			7	43	38	572.0		
			8	39	16	490.5		
			9	32	45	385.9		
			10	27	27	311.7		
			11	19	58	218.0		
			12	11	17	119.7		
			13	4	33	47.7		
			14	0	00	0		

Line # 177
(Pg. 13)

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 3300 Division No. 11 F. B. 3225 Pg. 63
Date ____ Date ____ Survey of Marina Del Rey
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by English Notes Ed Date 12-30-64
Date ____ Date ____ Map No. ____ Indexed G. J. GALLI Date ____

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Do not extend notes this side of this line.

Line # 178 (Pg. 13)

Inst. At	Sight On	Time	Angle No	Left Hor. Angle Deg.	Left Hor. Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
#174	#178		1	51	39	982.1		
(E. Side of M.C.)			2	50	21	937.5		
			3	47	55	860.4		
			4	44	45	770.2		
			5	41	38	690.7		
			6	39	55	650.1		
			7	36	01	564.9		
			8	32	28	494.4		
			9	29	00	430.7		
			10	24	38	356.3		
			11	19	39	277.4		
			12	14	49	205.5		
			13	10	11	139.6		
			14	5	41	77.3		
			15	0	00	—		

F. B. 3223 Pg. 64 | Job No. 03001 | Division No. 11 | Notes Red. | Plotted | Profile
Survey of Marina Del Rey | Date | Date | No. | X-Sec.
Survey by English | Notes Ed | Notes Chkd. | Checked | No.
Indexed C. J. Smith | Date | Date | Date

76L298 307 Cdb 12-62

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Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	Left HOR. ANGLE DEG.	MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#174	#178		1	45	44	928.7		
(E. of	side M.C.)		2	44	42	944.1		
			3	42	24	871.1		
			4	39	17	780.4		
			5	35	20	676.3		
			6	33	16	625.9		
			7	29	37	542.3		
			8	24	55	443.2		
			9	21	49	381.9		
			10	16	25	281.1		
			11	10	49	182.3		
			12	5	07	85.4		
			13	1	01	16.9		

Line # 179
(Pg. 13)

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.0 Division No. 1 F. B. 3223 Pg. 65
Date ____ Date ____ Survey of Marina Del Rey
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by English Notes Ed Date 12-30-64
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76L298 307 Cdb 12-62

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Do not extend notes this side of this line.

Line # 180 (Pg. 12)

INST. AT	SIGHT ON	TIME	ANGLE Nº	Left HOR. ANGLE DEG.	MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#114	#180		1	40	58	1002.0		
(E. side of M.C.)			2	—	—	—		
			3	35	57	836.9		
			4	32	07	724.4		
			5	29	05	641.9		
			6	25	24	548.0		
			7	20	15	425.7		
			8	15	19	316.1		
			9	9	41	196.9		
			10	5	20	107.7		
			11	0	52	17.5		

F. B. 3223 Pg. 66 Job No. 0310.02 Division No. 11 Notes Red. Plotted Profile
Survey of Marina Del Rey Date Date No.
Survey by English Notes Ed Notes Chkd. Checked X-Sec.
Indexed C. J. GALLI Date Date Date No.

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

NST. AT	SIGHT ON	TIME	ANGLE Nº	Right HOR. ANGLE DEG.	MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#186	#181		1	43	47	914.3		
(E. of	Side M.C.)		2	42	29	873.7		
			3	39	53	797.2		
			4	36	52	715.4		
			5	34	41	660.2		
			6	31	08	576.2		
			7	27	13	490.6		
			8	23	42	418.8		
			9	20	50	363.0		
			10	15	51	270.9		
			11	11	06	187.2		
			12	8	46	147.1		
			13	4	26	74.0		
			14	0	00	—		

Line # 181 (Pg. 12)

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 03 00 ... Division No. 11 F. B. 3223 Pg. 67

X-Sec. No. ____ Date ____ Date ____ Survey of Marina Del Rey

Notes Chkd. ____ Checked ____ Survey by English Notes Ed Date 12-30-64

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

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Profile No. X-Sec. No.

Plotted Date Checked Date

Notes Red. Date Notes Chkd. Date

Job No. 0300.02 Division No. 11

Survey of Maxima Del Rey

Survey by English Notes Ed

Indexed C. J. CALLI Date

F. B. 3223 PG. 68

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	Right HOR. ANGLE DEG.	MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#186	#182		1	50	36	917.9		
(E. Side of M.C.)			2	49	04	869.4		
			3	46	35	796.9		
			4	42	06	681.3		
			5	37	44	583.5		
			6	32	30	480.4		
			7	26	43	379.5		
			8	20	49	286.7		
			9	16	37	225.0		
			10	10	03	133.6		
			11	4	21	57.4		
			12	0	00	—		

Line # 182
(Pg. 12)

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	Right HOR. ANGLE DEG.	MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#186	#183		1	57	46	915.1		
(E. of	Side M.C.)		2	55	29	839.0		
			3	50	56	710.9		
			4	45	19	583.4		
			5	38	43	462.5		
			6	33	18	379.0		
			7	24	22	261.3		
			8	14	33	149.8		
			9	6	34	66.4		
			10	0	00	—		

Line #183
(Pg. 12)

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. ____ F. B. 3225 Pg. 69
Date ____ Date ____ Survey of Maxima Del Rey
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by Enalish Notes Ed Date 12-30-64
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76L298 307 Cdb 12-62

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Do not extend notes this side of this line.

Line # 184 (Pg. 12)

INST. AT	SIGHT ON	TIME	ANGLE No	Right HOR. ANGLE DEG.	MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	MIN.	CARD No.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#186	#184		1	67	52	983.4		
(E. Side of M.C.)			2	66	36	924.4		
			3	64	42	846.2		
			4	62	11	758.1		
			5	59	31	679.5		
			6	56	05	594.9		
			7	51	18	499.3		
			8	43	17	376.7		
			9	35	27	284.8		
			10	24	10	179.5		
			11	14	21	102.3		
			12	2	38	18.4		

F. B. 3223 Pg. 70 Job No. 030010 Division No. 11 Notes Red. Plotted Profile
Survey of Maxima Del Rey Date Date No. X-Sec.
Survey by English Notes Ed Notes Chkd. Checked
Indexed [illegible] GALLI Date Date Date No.

76L298 307 Cdb 12-62

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Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	Left HOR. ANGLE DEG.	Left HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#180	#185		1	43	55	918.6		
(E. Side of M.C.)			2	41	44	851.0		
			3	38	39	762.9		
			4	33	35	633.4		
			5	28	57	527.7		
			6	24	05	426.4		
			7	18	00	310.0		
			8	10	59	185.2		
			9	5	41	94.9		
			10	0	50	13.9		

Line # 185 (Pg. 2)

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 5300.00 Division No. ____ F. B. 3223 Pg. 71
Date ____ Date ____ Survey of Marina Del Rey
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by English Notes Ed. Date 12-31-64
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

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Line # 186 (Pg. 12)

INST. AT	SIGHT ON	TIME	ANGLE Nº	Left HOR. ANGLE DEG.	MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#180	#185		1	40	54	999.6		
(E. Side of M.C.)			2	36	46	862.3		
			3	29	55	664.0		
			4	24	02	514.6		
			5	18	24	383.9		
			6	11	57	244.2		
			7	7	13	146.1		

F. B. 3223 PG. 72 Job No. 03000 Division No. 11 Notes Red. Plotted Profile
Survey of Marina Del Rey Date Date No. X-Sec.
Survey by English Notes Ed. Notes Chkd. Checked
Indexed C. J. GALLI Date Date No.

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

Survey of Marina Del Rey
JN 073927 Tape 0250 Std 68 °F
Surveyed by E. Shoemaker
Notes E.S. Date 8-13-65
Indexed G. J. GALLI 8-25-65

F. B. 3223 PG. 73

MARINA DEL REY

J.N. 073927

Hydrographic Survey
in the area of the
removed W'ly Sheet
Pile Breakwater

Aug 13, 1965
E. Shoemaker
D. Fouiger
E. Dupuis
G. Tollison
V Lieber

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

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403 Los Angeles County Engineering Bldg.

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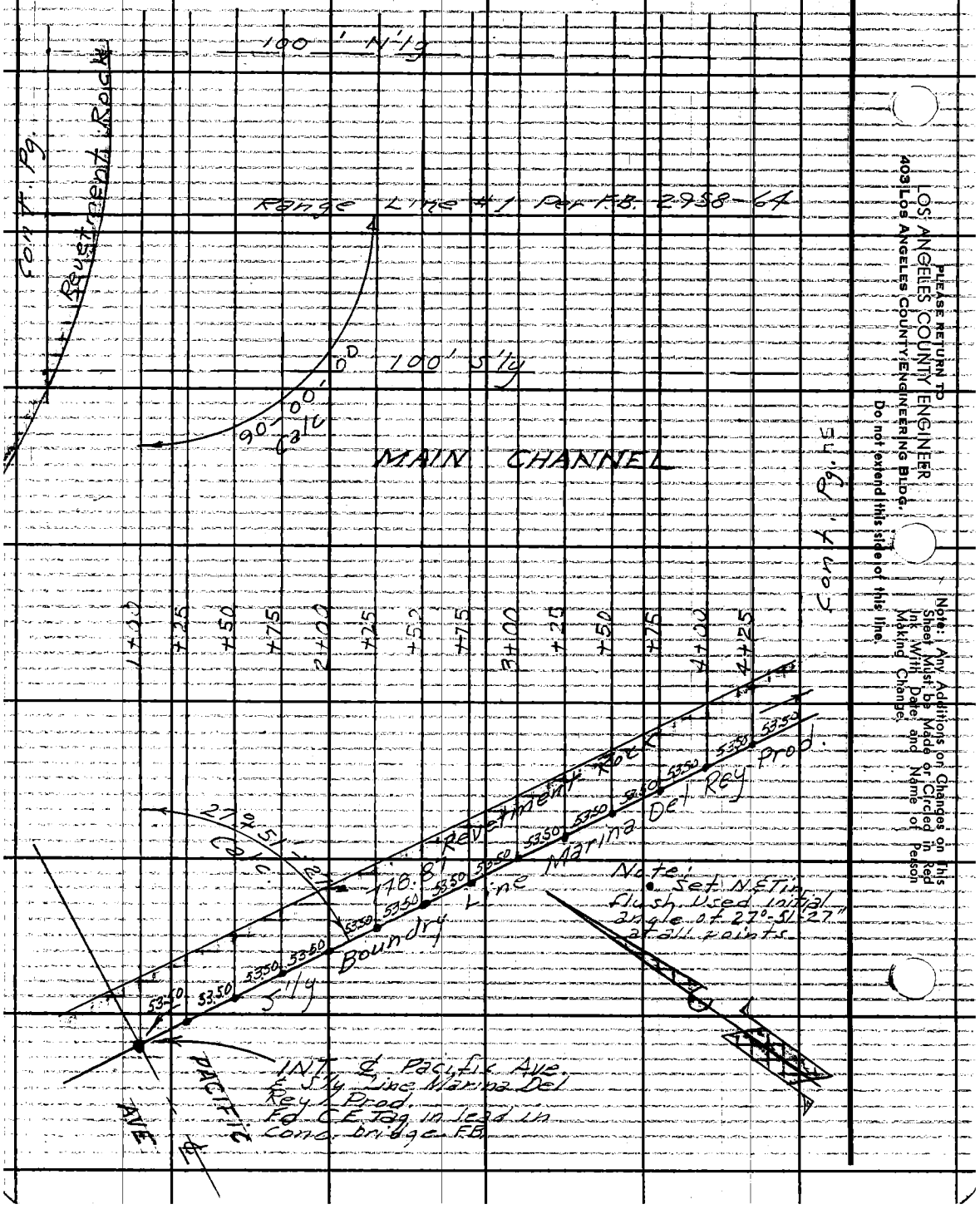
76F3095 CE #310 6/63

F.B. 3223 Pg. 74

776.83 L @ 76° = 776.87



LOS ANGELES COUNTY ENGINEER
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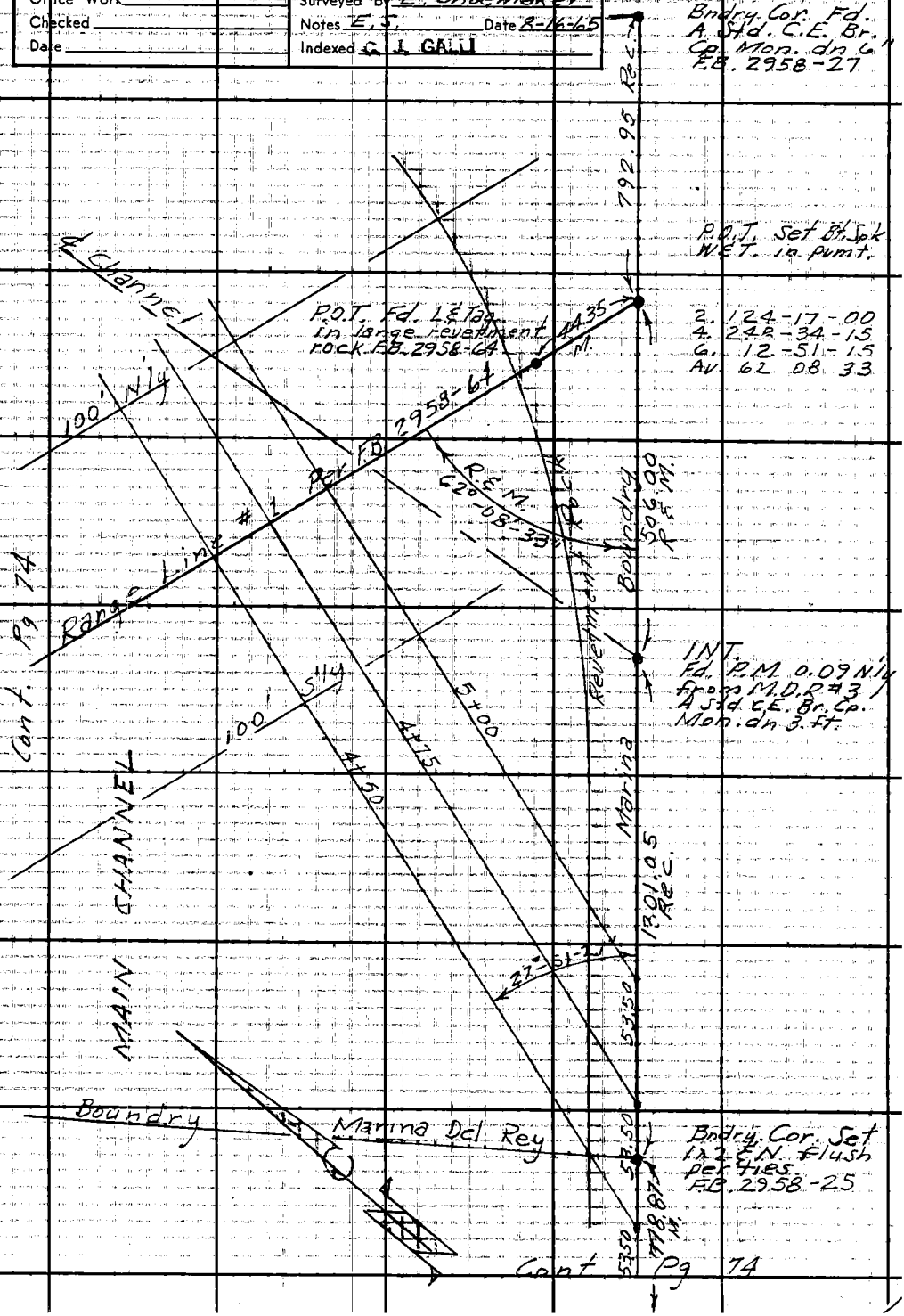
Notes Ck'd by	Survey of Marina Del Rey	F. B. 3223 Pg. 75
Map No.	JN 2739.27 Tape 0250 Std 68 °F	
Office Work	Surveyed by E. Shoemaker	
Checked	Notes E. S. Date 8-16-65	
Date	Indexed C. J. GALLI	



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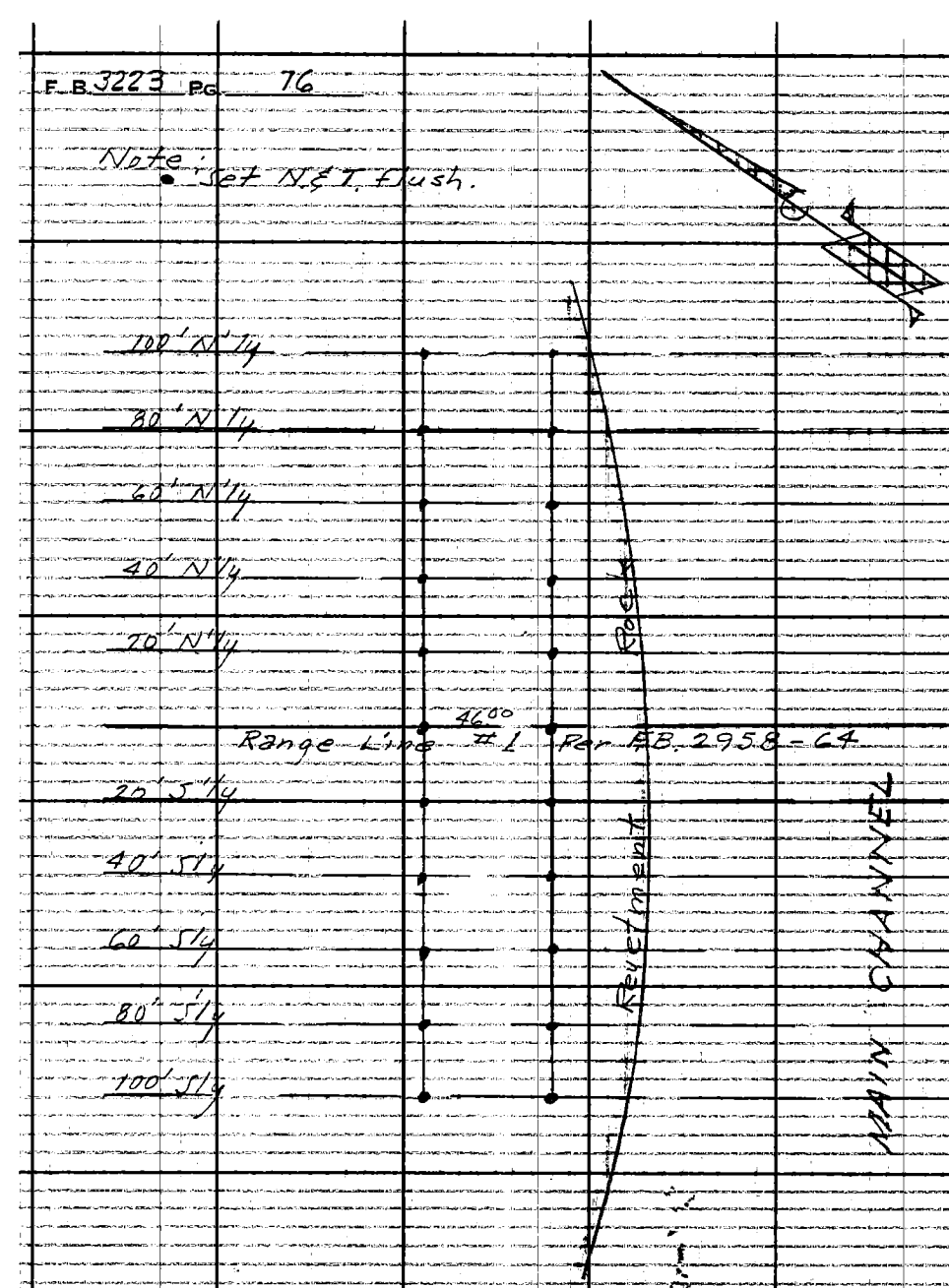
76F3095 CE #310 6-63

F. B. 3223 Pg. 76

Note: Set N.E.T. flush.



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Notes Ck'd by	Survey of MARINA DEL REY
Map No.	JN 0739.27 Tape — Std — °F
Office Work	Surveyed by W.B. RICHARDS
Checked	Notes W.B.R. Date 9-23-65
Date	Indexed C. J. GALLI SEP 28 '65

F.B. 3223 PG. 77

J.N. 0739.27

MARINA DEL REY

PILE BREAKWATER

(EAST SIDE GROIN)

SOUNDING OPERATIONS SURVEYS IN THE AREA WHERE THE EAST BREAKWATER WAS REMOVED

SPECS NO. 2393 - DD OF 1963, C.P. 0739.27

SURVEY INDEX NO. 4299-A

RICHARDS
FOULGER
TURRILL
SIEMANN
TOLLISON

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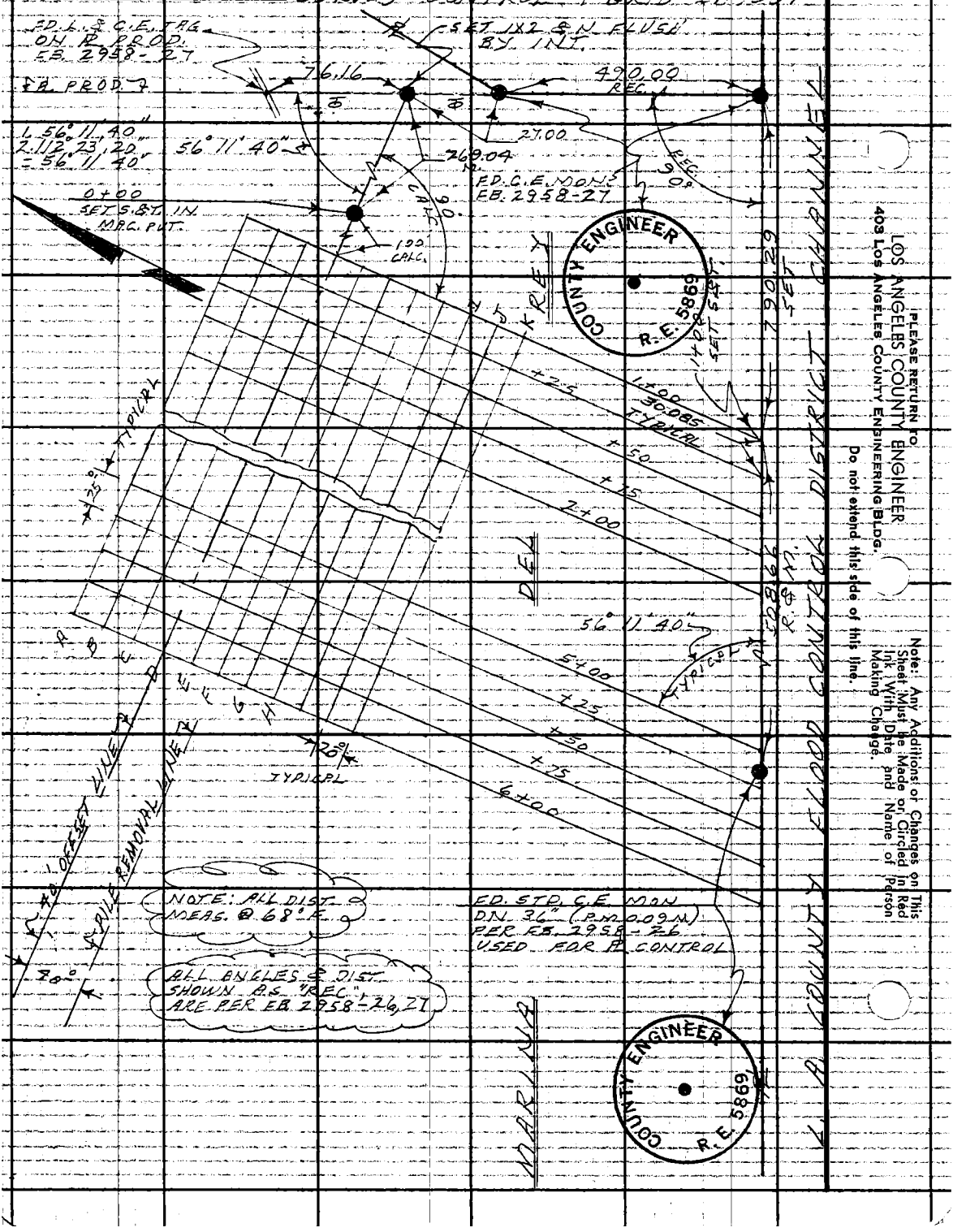
PERFOPS DE #310 6-63


F.B. 3223 Pg. 78 SURVEY CONTROL & GRID LAYOUT
FD. L. & C.E. TAG ON ℄ PROD. FB. 2958-27
℄ PROD. ℄
SET 1X2 & N FLUSH BY INT.
76.16
490.00 REC.
27.00
269.04
FD. C.E. MON. FB. 2958-27
REC. 90°
1. 56° 11' 40"
2. 112° 23' 20"
= 56° 11' 40"
56° 11' 40"
0+00 SET S.&T. IN MAC. PUT.
90° CALC.
100 CALC.
KREY
DEL
1+00 SET S.&T.
1+00 30.085 TYPICAL
+25
+50
+75
2+00
56° 11' 40"
5+00
+25
+50
+75
6+00
TYPICAL
25° TYPICAL
20° TYPICAL
40' OFFSET LINE
PILE REMOVAL LINE
40°
NOTE: ALL DIST. MEAS. @ 68° F.
ALL ANGLES & DIST. SHOWN AS "REC." ARE PER FB. 2958-26, 27
FD. STD. C.E. MON. DN. 36" (P.M. 0.09 N.) PER FB. 2958-26 USED FOR ℄ CONTROL
MARINA
L.A. COUNTY FLOOD CONTROL DISTRICT CHANNEL
COUNTY ENGINEER R.E. 5869
COUNTY ENGINEER R.E. 5869
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403 LOS ANGELES COUNTY ENGINEERING BLDG.
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Notes Ck'd by	Survey of HYDROGRAPHIC SURVEYS	F. B. 3223 Pg. 79
Map No.	JN 0300.02 Tape 0231 Std 68 °F	
Office Work S. SHINODA	Surveyed by W. A. RICHARDS	
Checked	Notes W. A. RICHARDS Date 1-12-66	
Date JAN 27 '66 JAN ~~2 2 66~~	Indexed G. J. GALLI	

J. N. 0300.02

HYDROGRAPHIC SURVEYS

OF

MARINA DEL REY

AND

PLAYA DEL REY BEACH

HORIZONTAL CONTROL SURVEY

FOR

OFFSHORE BREAKWATER

THIS SURVEY IS BASED UPON THE BEACH CONTROL LINES AS SHOWN IN FB. 2100 & FB. 930.

" " SURVEY DIVISION FILE MAP NO. 100-9, SHEET 2

AREA AND INDEX MAP - PG. 80

RICHARDS
OCHSNER
BAZEN
FOULGER
TURRILL
SIEMANN

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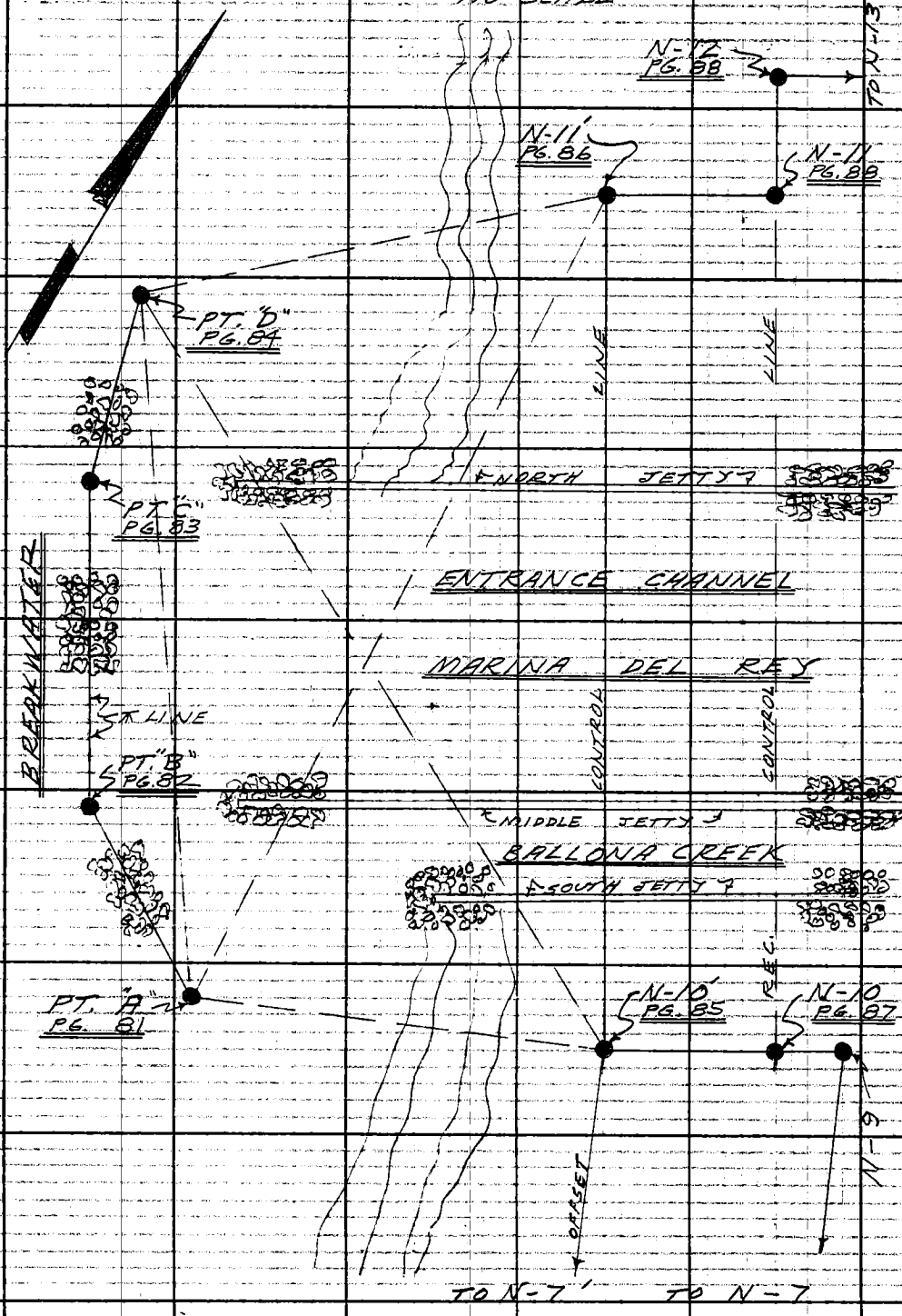
76F309S CE #310 6-63

F. B. 3223 Pg. 80

AREA AND INDEX MAP

NO SCALE



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Notes Ck'd by S. SHINODA
Map No.
Office Work
Checked
Date JAN 27 66 JAN 27 66

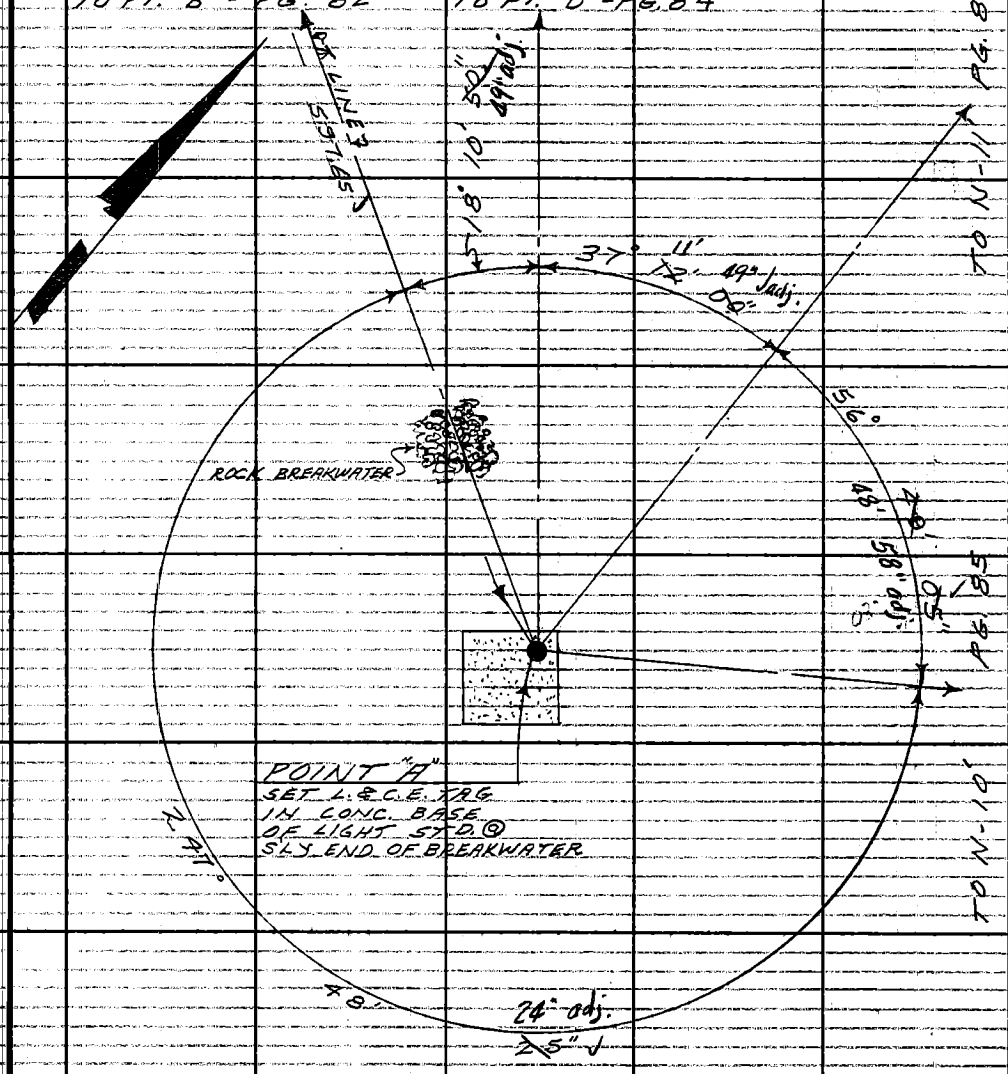
Survey of HYDROGRAPHIC SURVEYS
JN 0300:07 Tape 0237 Std 6 B °F
Surveyed by W.B. RICHARDS
Notes W.B.R. Date 1-66
Indexed C. J. GALLI

F. B. 3223 Pg. 81

597.65 T-6.8 = 597.65

TO PT. "B" - PG. 82

TO PT. "D" - PG. 84



1.	18° 11' 00"		1.	56° 49' 00"	
4	72 43 20		4	227 16 38	✓
6	109 05 00	✓	6	340 54 20	✓
=	18 10 50		=	56 49 05	
1.	37° 12' 00"		1.	247° 48' 40"	
4	148 48 00	✓	4	271 13 30	✓
6	223 12 00	✓	6	46 50 30	✓
=	37 12 00		=	271 48 25	✓

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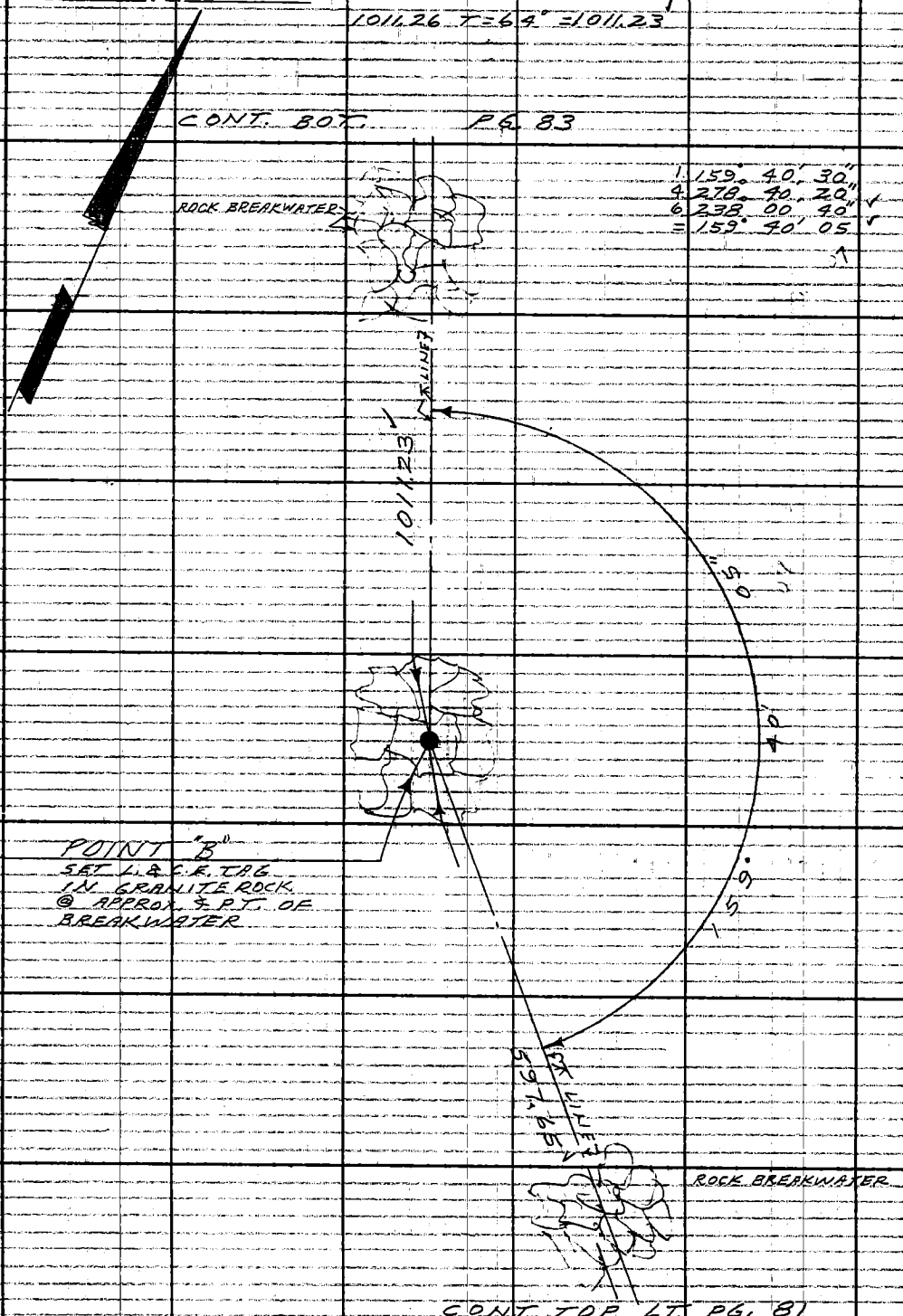
6F3095 CE #310 8-63

F.B. 3223 PG. 82

1011.26 T=64° =1011.23

CONT. BOT. PG. 83



1 159° 40' 30"
4 278° 40' 20" ✓
6 238° 00' 40" ✓
= 159° 40' 05 ✓

CONT. TOP LT. PG. 81

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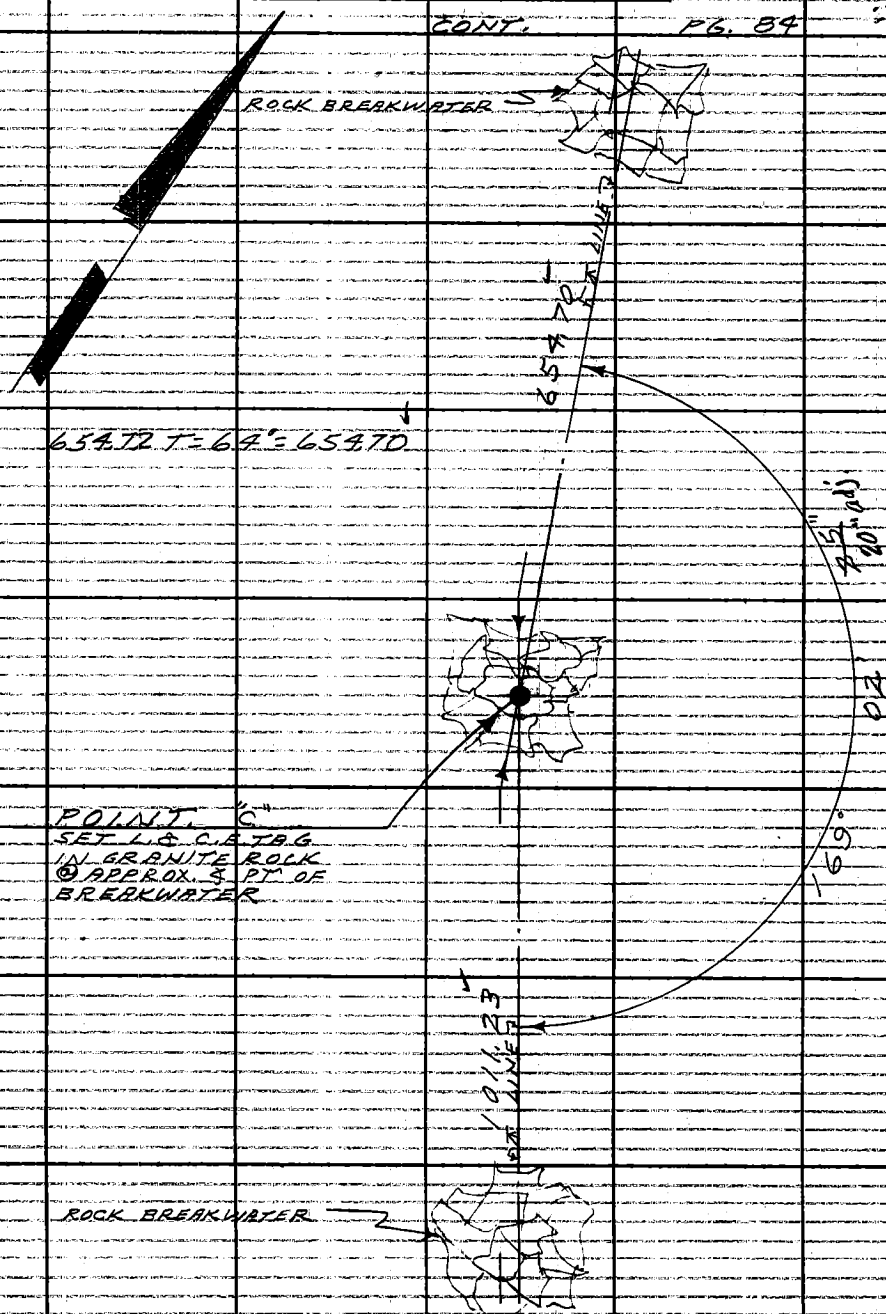
Notes Ck'd by S. SHINODA	Survey of HYDROGRAPHIC SURVEYS	F. B. 3223 PG. 83
Map No.	JN 0300.02 Tape 0231 Std 6.8 °F	1. 169° 02' 20"
Office Work	Surveyed by W. A. RICHARDS	4. 316° 09' 40"
Checked	Notes W. A. R. Date 1-66	6. 294° 14' 40"
Date JAN 27 '66	Indexed G. J. GALLI	= 169° 02' 25"

CONT. PG. 84



CONT. TOP PG. 82

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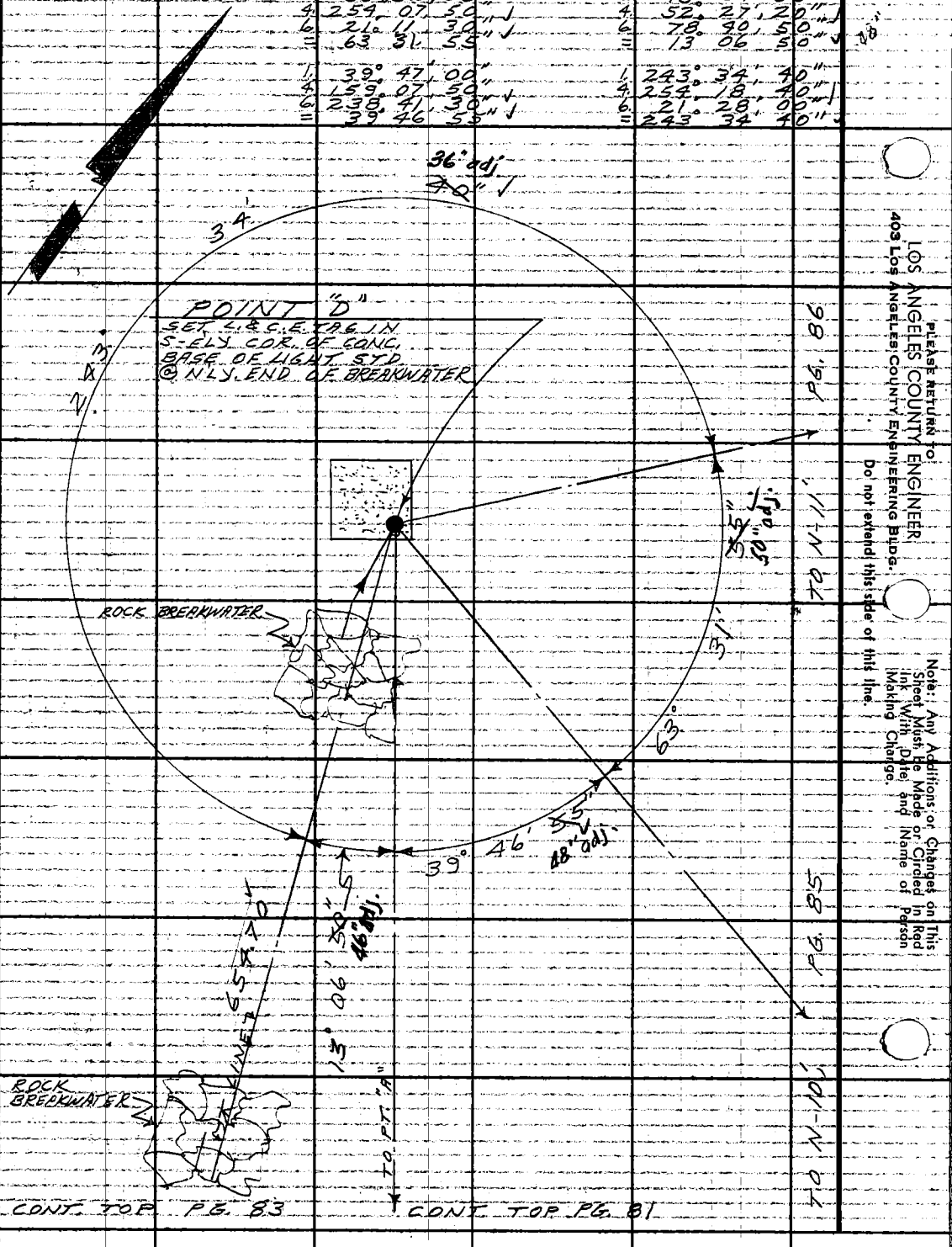
76F3098 CE #310 6-63

F. B. 3323 Pg. 84

1	63° 32' 00"		1	13° 07' 00"	
4	259° 07' 50"	J	4	52° 27' 20"	J
6	21° 11' 30"	J	6	78° 40' 50"	J
=	63° 31' 55"		=	13° 06' 50"	
1	39° 47' 00"		1	243° 34' 40"	
4	159° 07' 50"	J	4	254° 18' 40"	J
6	238° 41' 30"	J	6	21° 28' 00"	J
=	39° 46' 55"		=	243° 34' 40"	



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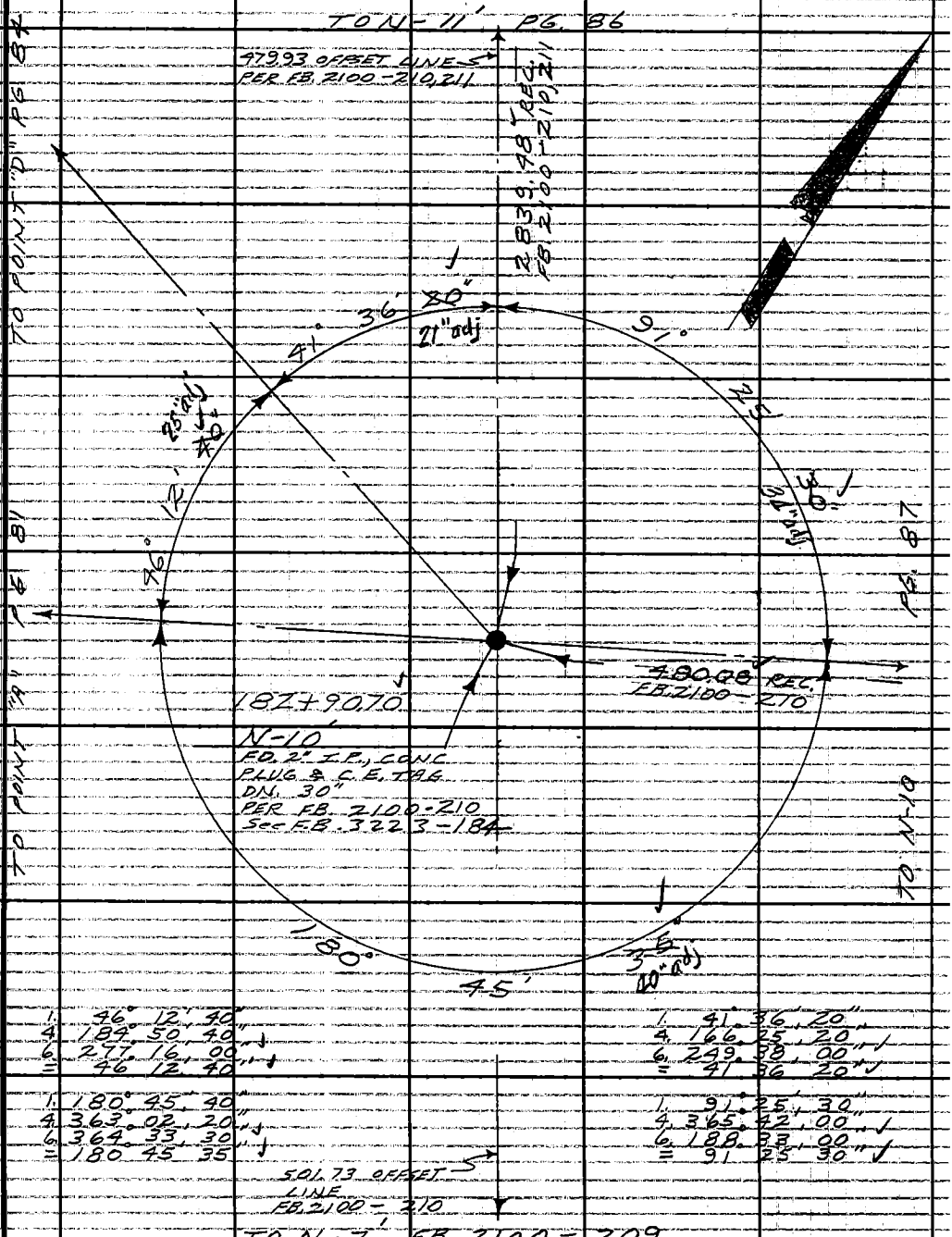
Notes Ck'd by S. SHINODA	Survey of HYDROGRAPHIC SURVEYS	F. B. 3223 Pg. 85
Map No.	JN 0300.02 Tape 0231 Std 68 °F	
Office Work	Surveyed by W.A. RICHARDS	
Checked	Notes W.A.R. Date 1-66	
Date JAN 27 '66	Indexed G. J. GALLI	



1. 46° 12' 40"
4. 184° 50' 40"
6. 277° 16' 00"
= 46° 12' 40"

1. 41° 36' 20"
4. 166° 25' 20"
6. 249° 38' 00"
= 41° 36' 20"

1. 180° 45' 40"
4. 363° 02' 20"
6. 364° 33' 30"
= 180° 45' 35"

1. 91° 25' 30"
4. 365° 42' 00"
6. 188° 33' 00"
= 91° 25' 30"

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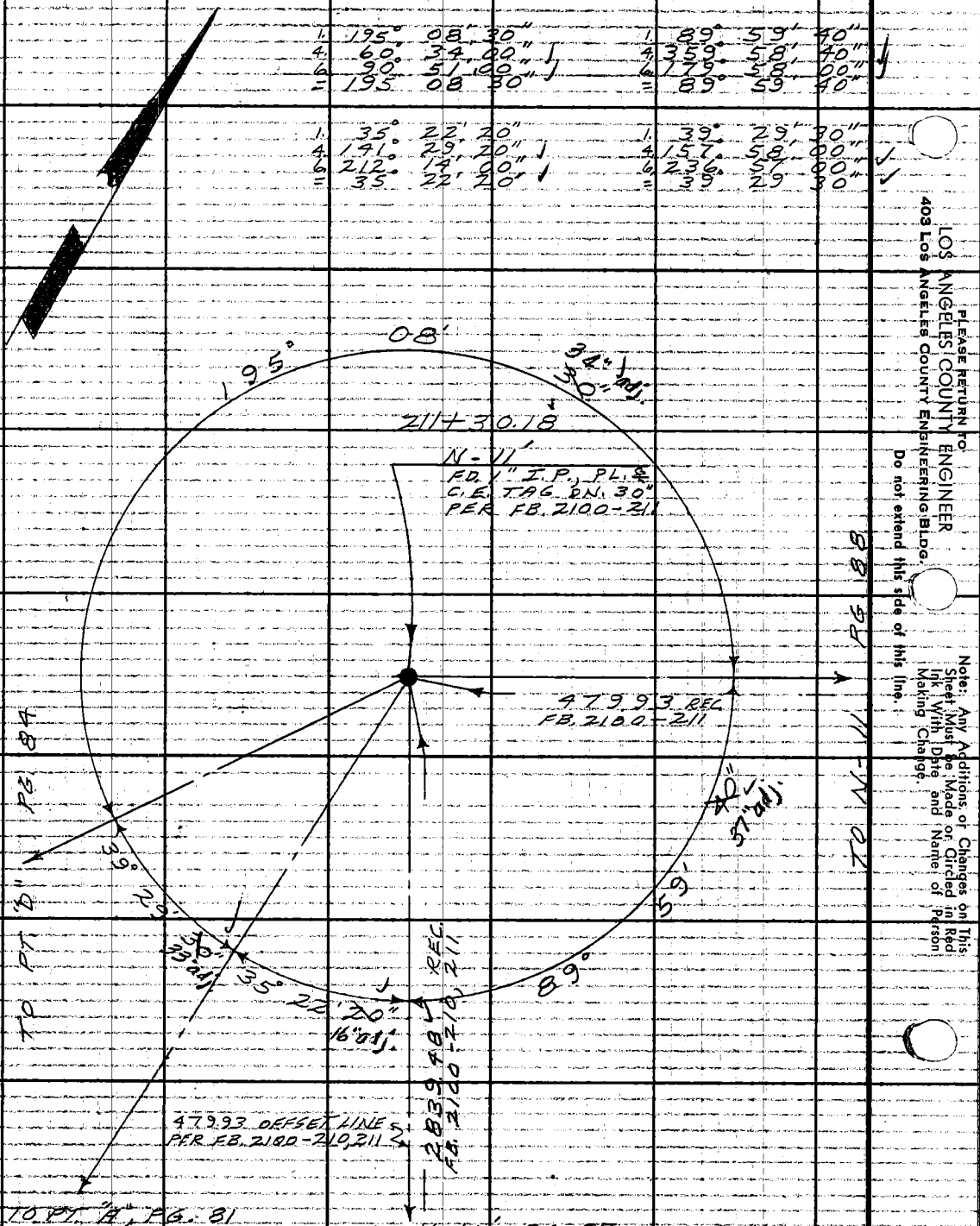
76F3095 CE #310 6-63

14 - 14

F.B. 3223 PG. 86

1.	195°	08'	30"	1.	89°	59'	40"
4.	60°	34'	00"	4.	359°	58'	40"
6.	90°	51'	00"	6.	179°	58'	00"
=	195°	08'	30"	=	89°	59'	40"

1.	35°	22'	20"	1.	39°	29'	20"
4.	141°	29'	20"	4.	357°	58'	00"
6.	212°	14'	00"	6.	239°	57'	00"
=	35°	22'	20"	=	39°	29'	20"



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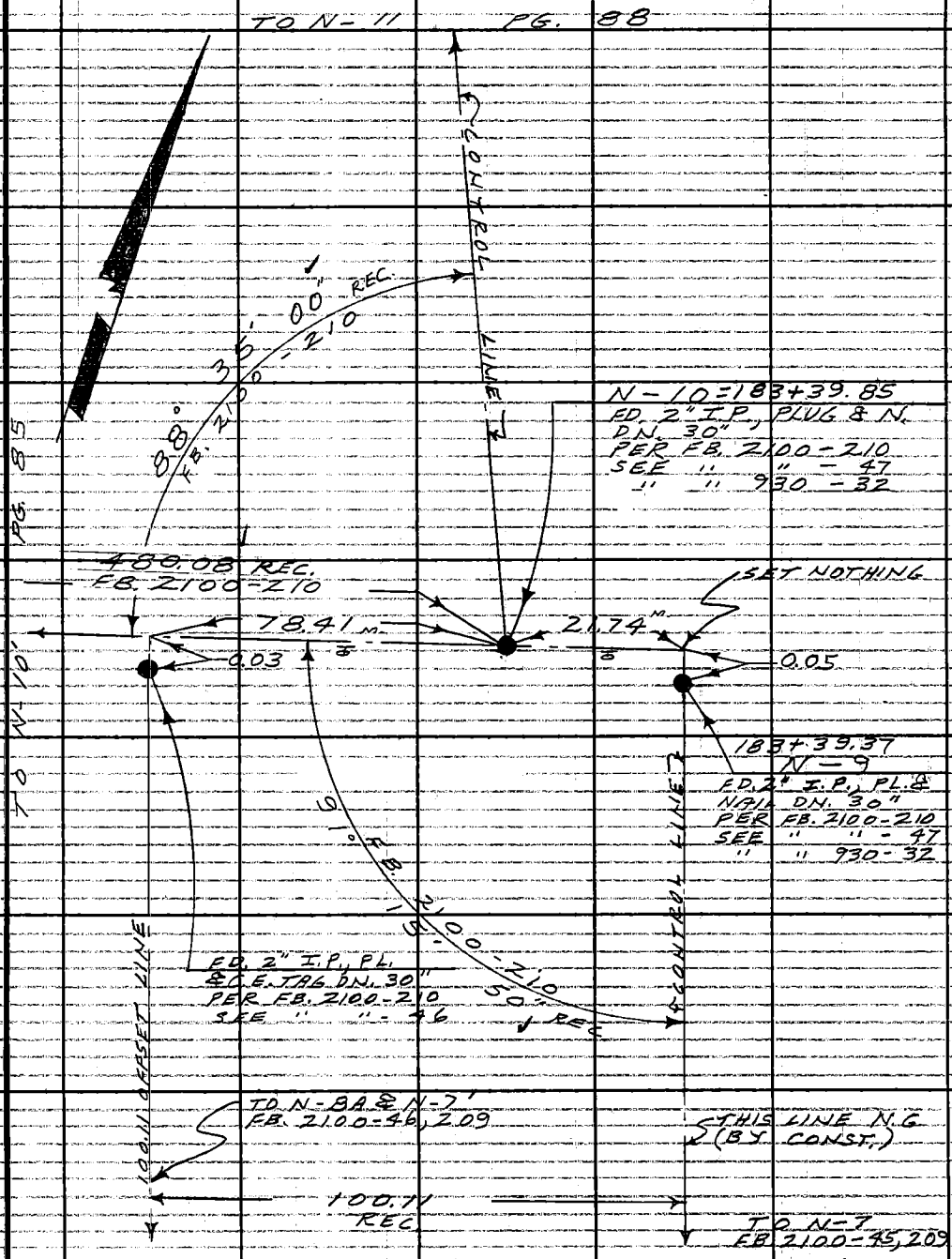
Notes Ck'd by S. SHINODA	Survey of HYDROGRAPHIC SURVEYS	F. B. 3223 PG. 87
Map No.	JN 0300.02 Tape 0231 Std 68 °F	
Office Work	Surveyed by W. A. RICHARDS	
Checked	Notes W. A. R. Date 1-66	
Date JAN 27 '66	Indexed G. J. GALLI	



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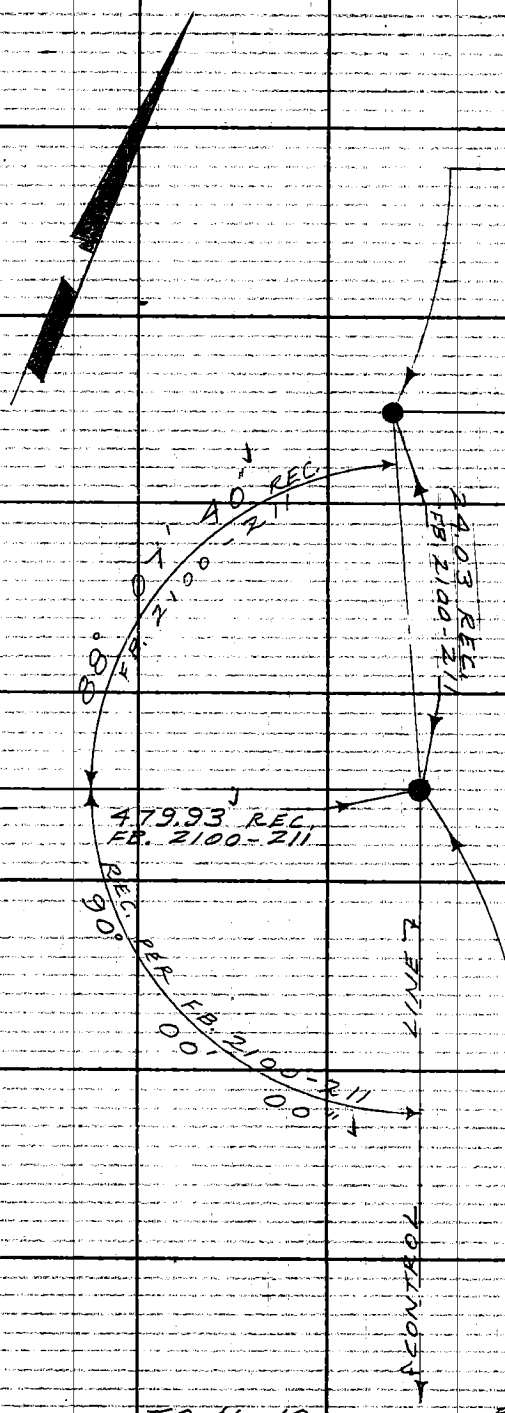
76F3095 CE #310 6-63

F. B. 3223 Pg. 88



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Map No.
Office Work
Checked
Date

Survey of HYDROGRAPHIC SURVEYS
J.N. 0300.02 Tape — Std — °F
Surveyed by W. A. RICHARDS
Notes W.A.R. Date 1-66
Indexed

F. B 3223 PG. 89

J.N. 0300.02

HYDROGRAPHIC SURVEYS

PLAYA DEL REY BEACH

RANGE LINE INTERCEPTS ON OFFSHORE BREAK-WATER - RANGE 183+65.66 TO 205+80.21

FOR OFFSHORE BREAKWATER CONTROL SURVEYS, SEE F.B. 3223: 79-88

RICHARDS
OCHSNER
BAZEN
FOULGER
SMILEY
TURRILL
SIEMANN

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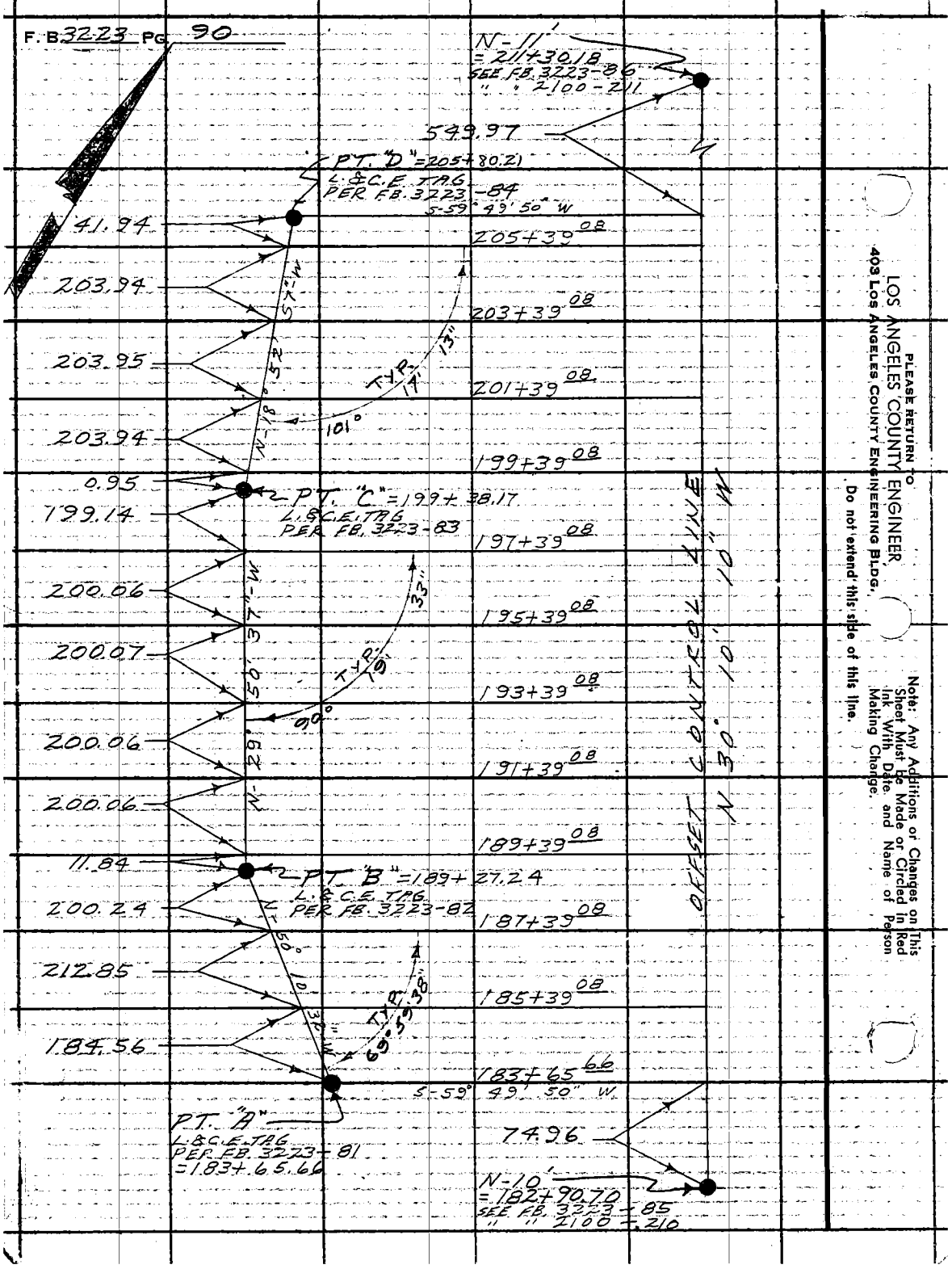
1 of 3065 CE #310 6-63



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Profile No. | X-Sec. No.

Notes Red | Date | Notes Chkd. | Date

Plotted | Date | Checked | Date

030002

Job No. | Division No. 11 | Survey of HYDROGRAPHIC SURVEYS | Survey by RICHARDS | Notes W.A.R. Date 1-18-66 | Map No. | Indexed C. J. GAILL Date FEB 11 '66

F.B. 3223 Pg. 91

J. N. 03.00.02

HYDROGRAPHIC SURVEYS

MARINA DEL REY

CROSS-SECTIONS OF PARCEL "H"

INCLUDING BERTH AREA & W'LY. END OF BASIN "D"

SURVEY REQUEST INDEX NO. 4407

DATUM = M.L.L.W.

CONTROL SURVEYS REE, FB 2959-223,224

RICHARDS
OCHSNER
FOULGER
TURRILL
SIEMANN
BAZEN

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

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76-L-298 CE 307 2-63

76-L-298 CE 307 2-63

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STATION	B.S.	H.I.	F.S.	ELEV.	BASIN "D"				
B.M. S-61	2.45	12.45		10.00	B.M. S-61 EL. = 9.995 F.B. 2959-225				
CUT IN TRANST @ 7+79.86 - SIGHT @ 0+00 - ANGLES AS SHOWN									
					HOR. ANGLE.				Dist
0+00			0.5	12.0	0° 00'	—		"P" LINE	00' T.S.
"			0.7	11.8	01° 05'	LT.		EDGE MAC. WK.	15' T.C.
"			2.6	9.9	03° 55'	"		SAND	53'
"			4.8	7.7	08° 05'	"		"	111'
"			7.0	5.5	12° 10'	"			168'
"			7.8	4.7	13° 15'	"	M.H.T.		184'
"			9.5	3.0	16° 55'	"		SAND	237'
"			10.3	2.2	18° 43'	"			264'
T.P.	1.90	4.26	10.09	2.36				T.P.	
			4.2	0.1	20° 49'	LT.		SAND	297'
"			7.7	-3.4	23° 24'	"		"	337'
"			14.5	-10.2	26° 15'	"		"	385'
"			16.4	-12.1	27° 50'	"		"	412

F.B. 3223 PG. 92 Job No. 03 00 02 Division No. 11 Notes Red Date Plotted Date No. Profile
Survey of HYDROGRAPHIC SURVEYS Date Notes Chkd. Checked Date No. X-Sec.
Survey by RICHARDS Notes W.A.R. Date
Indexed C. J. GALLI

76-L-298 CE 307 2-63

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Profile No. ____ Notes Red ____ Plotted ____ Job No. 03200.02 Division No. 11
X-Sec. No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEYS
Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes by L.A.C. Date 1-18-66
Data ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F.B. 3223 PG. 93

STATION	B. S.	H. I.	F. S.	ELEV.	BASIN "D"				
		4.26			HOR.	DMC&E		TRANSIT @ 7+79.84	
0+50			16.2	-11.9	31°	06'	LT	SIGHT @ 0+00.0	449'
			15.9	-11.6	29°	48'	"		418'
			14.7	-10.4	28°	47'	"		401'
			13.7	-9.4	26°	27'	"		363'
			11.5	-7.2	24°	25'	"		331'
			5.0	-0.7	21°	53'	"		293'
			4.0	0.3	19°	45'	"		262'
			1.1	3.2	16°	18'	"		213'
T.P.	9.48	11.84	1.90	2.36				T.P.	
			7.1	4.7	13°	11'	LT.	M.H.T.	171'
			4.8	7.0	08°	46'	"		113'
			2.6	9.2	04°	25'	"		56'
			0.5	11.3	0°	00'	"1" LINE		00'
			0.2	11.6	0°	30'	RT.	T.	006'

76-L-298 CE 307 2-63

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F.B. 3243 Pg. 94 | Job No. 0300.02 | Division No. 11 | Notes Red | Plotted | Profile
Survey of HYDROGRAPHIC SURVEYS | Date | No. | X-Sec.
Survey by RICHARDS Notes W. A. R. | Date | Notes Chkd. | Checked
Indexed G. J. GALLI Date | Date | No.

BASIN "D"

STATION	B.S.	H.I.	F.S.	ELEV.	HOR. ANGLE			
		11.84						TRANSIT @ 1+19.86 SIGHT @ 0+00
1+00			0.1	11.7	02°	20'	RT.	T.C. 28'
			1.0	10.8	0°	00'	"	1" LINE 00'
			3.0	8.8	04°	28'	LT.	53'
			5.1	6.7	08°	55'	"	107'
			7.1	4.7	12°	42'	"	M.H.T. 153'
			8.9	2.9	14°	55'	"	181'
			11.1	0.7	18°	50'	"	232'
T.P.	2.36	3.31	10.89	0.95				
			5.1	-1.8	21°	40'	"	270'
			5.5	-2.2	24°	33'	"	311'
			11.3	-8.0	24°	41'	"	342'
			15.7	-12.4	30°	37'	"	402'

76-L-298 CE 307 2-63

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STATION	B. S.	H. I.	F. S.	ELEV.	BASIN "D" HOR.	ANGLE.			DIST
		3.31						TRANSIT @ 7+79.86 SIGHT @ 0+00	
1+50			15.5	-12.2	34°	02'	LT.		425
			14.6	-11.3	30°	16'	"		368
			9.8	-6.5	26°	18'	"		311
			4.9	-1.6	23°	07'	"		269
			3.3	0.0	20°	01'	"		229
			1.7	1.6	17°	19'	"		196
T.P.	1125	12.20	2.36	0.95					
			9.1	3.1	15°	21'	"		173
			7.5	4.7	12°	10'	"	M.H.T.	136
			6.3	5.9	09°	41'	"		107
			4.1	8.1	04°	43'	"		52
			1.9	10.3	0°	00'	—	"P" LINE	0
			0.5	11.7	04°	30'	RT.		-50' T.C.

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3223 Pg. 95
Date ____ Date ____ Survey of HYDROGRAPHIC SURVEYS
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by RICHARD Notes W.A.R. Date 1-18-66
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76-L-298 CE 307 2-63

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F.B. 3223 Pg. 46 | Job No. 0300.05 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of HYDROGRAPHIC SURVEYS Date ____ No. ____ X-Sec. ____
Survey by RICHARDS Notes K.L.R. Notes Chkd. ____ Checked ____ No. ____
Indexed G. J. GALLI Date ____ Date ____

STATION	B. S.	H. I.	F. S.	ELEV.	BASIN "D" HOR. ANGLE			TRANSIT @ 7+79.86 SIGHT @ 0+00 P.S.H.
		12.20						
2+00			0.5	11.7	06°	52'	RT.	-70'
			2.7	9.5'	0°	30'	—	"P" LINE 0'
			4.7	7.5'	05°	19'	LT.	54'
			6.9	5.3'	10°	17'	"	105'
			7.5	4.7'	11°	45'	"	M.H.T. 121'
			9.3	2.9'	15°	47'	"	164'
			9.7	2.5'	16°	25'	"	175'
			11.5	0.7'	18°	57'	"	199'
T. P.	3.70	4.60	11.30	0.90'				
			5.6	-1.0'	22°	18'	"	238'
			6.2	-1.6'	26°	27'	"	288'
			15.8	-11.2'	31°	16'	"	352'

76-L-298 CE 307 2-63

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Profile No. ____ Notes Red ____ Plotted ____ Job No. 03000.02 Division No. 11 | F.B. 3223 Pg. 97
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey of HYDROGRAPHIC SURVEYS
Date ____ Date ____ Date ____ Survey by RICHARDS Notes KLAR Date 1-18-66
Map No. ____ Indexed J. GALL Date ____

BASIN "D"

STATION	B. S.	H. I.	F. S.	ELEV.	HOR. ANGLE			
		4.60						TRANSIT @ 3+79.86
2+50			16.4	-11.8	36°	27'	LT.	RIGHT @ 0+00 D.ST. 39.1'
			15.1	-10.5	30°	28'	"	31.2'
			9.9	-5.3	26°	07'	"	26.0'
			5.8	-1.2	22°	14'	"	21.7'
			4.3	0.3	20°	00'	"	19.3'
			1.8	2.8	16°	34'	"	15.8'
T.P.	11.50	12.40	3.70	2.90				T.P.
			7.7	4.7	11°	08'	LT.	M.H.T. 10.4'
			5.5	6.9	05°	18'	"	4.9'
			3.5	8.9	0°	00'	"	"P" LINE 0'
			1.9	10.5	05°	41'	RT.	SAND -5.3'
			0.7	11.7	09°	40'	"	T.C. -9.0'
T.P.			3.53	8.87				
(1-18-66 P.M.)								

1 X 2 @ STA 2+50

76-L-298 CE 307 2-63

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123
47
7.6

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F.B. 3223 PG. 98 | Job No. 0300.02 | Division No. 11 | Notes Red | Plotted | Profile
Survey of HYDROGRAPHIC SURVEYS | Date | Date | No.
Survey by RICHARDS Notes W.A.R. | Notes Chkd. | Checked | X-Sec.
Indexed G. J. GALL | Date | Date | No.

BASIN "D"

STATION	B.S.	H.I.	F.S.	ELEV.	HOR. ANGLE	
TRANSIT AT 0+00,			SIGHT AT 3+00			
T.P.	3.40	12.27		8.87		1X2 @ STA. 2+50 0.5 ft
3+00			4.0	8.3	0° 00' —	"P" LINE 0'
			2.4	9.9	08° 47' LT.	46'
			1.1	11.2	17° 23' "	93'
			0.6	11.7	19° 45' "	T.C. 107'
			6.5	5.8	10° 22' RT.	56'
			7.6	4.7	15° 54' "	M.H.T. 85'
			8.7	3.6	23° 28' "	112'
T.P.	2.02	5.67	8.62	3.65		T.P.
			5.1	0.6	29° 25' "	169'
			6.7	−1.0	32° 53' "	194'
			11.1	−5.4	38° 05' "	235'
			17.0	−11.3	46° 18' "	314'

76-L-298 CE 307 2-63

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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124

Do not extend notes this side of this line.

BASIN "D"

STATION	B. S.	H. I.	F. S.	ELEV.						
		5.67								
TRANSIT @		0+00	SIGHT @	3+50						
										P.S.
3+50			16.4	-10.7	39°	09'	RT.			+ 285
			11.9	- 6.2	34°	57'	"			+ 245
			8.2	- 2.5	29°	07'	"			+ 195
			6.8	- 1.1	27°	30'	"			+ 182
			4.5	1.2	23°	53'	"			+ 155
T.P.	8.79	12.44	2.02	3.65				T.P.		
			9.8	2.6	18°	02'	RT			+ 114
			7.7	4.7	11°	16'	"	M.H.T.		+ 70
			7.1	5.3	08°	57'	"			+ 55
			4.6	7.8	0°	00'	—			0
			3.0	9.4	08°	10'	LT			- 50
			1.3	11.1	16°	53'	"			- 106
			0.8	11.6	18°	43'	"	T.C.		- 119

Profile Notes Red Plotted Job No. 03002 Division No. 11 F.B. 3223 Pg. 99
No. Date Date Survey of HYDROGRAPHIC SURVEYS
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes W.L.R. Date 1-19-66
No. Date Date Map No. Indexed C. J. CRILL Date

76-L-298 CE 307 2-63

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	BASIN "D"			
		12.44						
TRANSIT @ 0+00, SIGHT @ 4+00								
					HOR.	ANGLE		Dist.
4+00			0.7	11.7	17°	20'	LT.	-125
			1.1	11.3	16°	17'	"	-117
			2.8	7.6	08°	33'	"	-60
			5.1	7.3	0°	00'	"	(5.05 - 1x2 @ STA. 4+00) 0
			7.1	5.3	07°	43'	RT.	+54
			7.7	4.7	09°	57'	"	M.H.T. +70
			9.7	2.7	15°	40'	"	+112
			10.6	1.8	19°	26'	"	+141
T.P.	1.99	3.95	10.48	1.96				
			3.6	0.4	22°	53'	"	+169
			5.8	-1.8	25°	54'	"	+194
			10.5	-6.5	31°	02'	"	+241
			14.2	-10.2	36°	28'	"	+296

F.B. 3223 PG. 100 Job No. 0300.07 Division No. 11 Notes Red Date Plotted Date Profile No. X-Sec. No.
Survey of HYDROGRAPHIC SURVEYS Notes Chkd. Date Checked Date
Survey by RICHARDS Notes W.A.R. Date
Indexed C. L. GALLI

76-L-298 CE 307 2-63

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Do not extend notes this side of this line.

Profile Notes Red Plotted Job No. 23000.02 Division No. 11 | F.B. 3223 Pg. 101
No. X-Sec. Date Date Survey of HYDROGRAPHIC SURVEYS
No. Notes Chkd. Checked Survey by RICHARDS Notes K.W.R. Date 1-19-66
Date Date Map No. Indexed Date

STATION	B. S.	H. I.	F. S.	ELEV.	BASIN "D"	
		3.95				
TRANSIT @		0+00,	SIGHT @		4+50	12.54
					HOR. ANGLE.	
4+50			15.4	-11.4	34° 07' RT.	3.05
			13.4	- 9.4	29° 20' "	2.53
			5.6	- 1.6	24° 20' "	2.03
			4.0	0.0	21° 08' "	1.74
			1.7	2.3	16° 30' "	1.33
T.P.	10.61	12.57	1.99	1.96		
			9.9	2.7	14° 33' "	1.17
			7.9	4.7	09° 08' "	.72
			5.1	7.5	0° 00' —	0
			3.2	9.4	06° 19' LT.	-.50
			1.8	10.8	12° 58' "	-1.04
			0.8	11.8	15° 28' "	-1.25

M.H.T. 8" LINE

T.C.

76-L-298 CE 307 2-63

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12.40

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F.B. 3223 PG. 102 | Job No. 0300.02 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of HYDROGRAPHIC SURVEYS Date ____ Date ____ No. ____ X-Sec. ____
Survey by RICHARDS Notes W.E.R. Notes Chkd. ____ Checked ____ No. ____
Indexed G. J. GALLI Date ____ Date ____

STATION	B.S.	H.I.	F.S.	ELEV.	BASIN "D"	
		12.57				
TRANSIT @ 0+00, SIGHT @ 5+00						
					AMP.	LIST
5+00			0.8	11.8	13° 27' LT.	-120'
			1.7	10.9	12° 00' "	-106'
			3.1	9.5	06° 21' "	-56'
			5.0	7.6	0° 00' —	10' LINE +10'
			7.2	5.4	06° 15' RT.	+55'
			7.9	4.7	08° 33' "	(N.H.T.) +75'
			10.0	2.6	14° 40' "	+131'
			12.3	0.3	20° 14' "	+184'
T.P.	3.41	4.53	11.18	1.39		
			6.6	-2.1	24° 45' "	+231'
			11.2	-6.7	27° 18' "	+258'
			16.0	-11.5	33° 50' "	+329'

76-L-298 CE 307 2-63

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	BASIN "D"				
		4.53							
TRANSIT @		0+00,	SIGHT @		5+50				Dist.
					HOR.	ANGLE			
5+50			15.5	-11.0	30°	53'	RT.		+329
			9.4	-4.9	26°	08'	"		+270
			6.0	-1.5	24°	56'	"		+256
			4.3	0.2	21°	07'	"		+212
			2.3	2.2	16°	15'	"		+160
T.P.	11.29	12.68	3.14	1.39					
			8.0	4.7	09°	32'	"	(M.H.T.)	+92
			7.2	5.5	06°	51'	"		+66
			4.8	7.9	0°	00'	T	"P" LINE,	0
			3.1	9.6	05°	20'	LT.		-51
T.P. #10			0.9	11.8	11°	29'	"		-112
			0.83	11.85				("P.K." IN MAC. WK.)	
	1-19-66-30								

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3223 Pg. 103
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEYS
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes W.A.R. Date 1-19-66
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76-L-298 CE 307 2-63

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12.8
4.7
8.1

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	BASIN "D"	1-20-66 (P.M.)
T.P. #10	0.93	12.78		11.85	T.P. #10 - P.K. IN MAC. WK. PAINTED "10"	
					LT.	P LINE RT.
6+00			4.4	8.4		"P" LINE
			6.0	6.8		50'
			7.7	5.1		100'
			8.1	4.7		113' (M.H.T.)
			9.3	3.5		150'
			10.5	2.3		185'
			12.0	0.8		220'
			13.8	-1.0		260'
			2.8	10.0	50' SAND	
			1.5	11.3	97' "	

F.B. 3223 PG. 104 | 0300.02 Job No. Division No. 11 Notes Red Plotted Profile
Survey of HYDROGRAPHIC SURVEYS Date Date No. X-Sec.
Survey by RICHARDS Notes W.D.R. Notes Chkd. Checked
Indexed C. J. GALLI Date Date Date No.

76-L-298 CE 307 2-63

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Profile Notes Red ____ Plotted ____ Job No. 03000.02 Division No. 11 | F.B. 3223 Pg. 105
No. ____ Date ____ Date ____ Survey of HYDROSEPAYE SURVEYS
X-Sec. Notes Chkd ____ Checked ____ Survey by RICHARDS Notes W.R.S. Date 1-20-66
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GILL Date ____

STATION	B. S.	H. I.	F. S.	ELEV.	BASIN "D"	
		12 78			LT.	"P" LINE RT.
6+50			3.6	9.2		"P" LINE
			5.1	7.7		50'
			6.8	6.0		104'
			8.1	4.7		143' M.H.T.
			9.7	3.1		194'
			2.2	10.6	48'	
			1.8	11.0	76'	
			1.1	11.7	76' T.C.	
'+00			2.7	10.1		"P" LINE
			4.3	8.5		54'
			5.3	7.5		100'
			7.2	5.6		154'
			1.6	11.2	48'	SAND
			1.1	11.7	48'	T.C.

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STATION	B.S.	H.I.	F.S.	ELEV.	BASIN "D"	
		12.78'				
7+50			1.7	11.1'	LT.	"P" LINE RT.
			3.0	9.8'		46'
			4.4	8.4'		103'
			5.9	6.9'		155'
			1.6	11.2'	11'	
			1.0	11.8'	11' T.C.	
7+79.86					∡ PT. IN CONTROL LINE	
8+00					MAC. WK.	
8+50			1.6	11.2'	LT.	"P" LINE RT.
			3.4	9.4'		50'
			5.2	7.6'		100'
			1.5	11.3'	13.5 SAND	
			1.1	11.7'	T.C.	

F.B. 3223 PG. 106 Job No. 0300.02 Division No. 11 Notes Red Plotted Profile
Survey of HYDROGRAPHIC SURVEYS Date Date No. X-Sec.
Survey by RICHARDS Notes W.A.R. Notes Chkd. Checked
Indexed C. L. GALLE Date Date No.

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Profile Notes Red Plotted Job No. 3300.07 Division No. 11 F.B. 3223 Pg. 107
No. Date Date Survey of HYDROGRAPHIC SURVEYS
X-Sec. Notes Chkd. Checked Survey by PARTY Notes M.D.R. Date 1-20-66
No. Date Date Map No. Indexed Date

BASIN "D"

STATION	B. S.	H. I.	F. S.	ELEV.	HOR. ANGLE			D. ft.	
		12.78							
TRANSIT @		12+36.71		SIGHT @ 9+00					
9+00			1.1	11.7	05° 17'	RT	T.C.	+ 31	
			1.3	11.5	05° 17'	"	SAND	+ 31	
			2.1	10.7	0° 00'	LT.		0	
			4.2	8.6	08° 50'	"		+ 52	
			6.1	6.7	17° 19'	"		+ 105	
			6.9	5.9	20° 16'	"		+ 124	
			8.1	4.7	25° 41'	"	M.H.T.	+ 162	
			10.1	2.7	32° 40'	"		+ 216	
T.P.	0.69	3.05	10.42	2.36			T.P.		
			3.1	0.0	39° 02'	LT.		+ 273	
			4.6	-1.5	44° 13'	"		+ 328	
			10.4	-7.3	47° 06'	"		+ 362	
			14.0	-10.9	50° 35'	"		+ 410	

76-L-298 CE 307 2-63

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STATION	B.S.	H.I.	F.S.	ELEV.	BASIN "D"				
		3.05							
TRANSIT @ 12+36.71 SIGHT ON 9+50									
					HOR. ANGLE.			Dist	
9+50			13.2	-10.1	51°	29'	LT.	360'	
			10.1	-7.0	48°	21'	"	322'	
			4.7	-1.6	43°	09'	"	269'	
			3.0	0.1	40°	06'	"	241'	
			0.4	2.7	33°	48'	"	192	
T.P.	10.31	12.67	0.69	2.36					
			9.0	3.7	29°	05'	LT	159'	
			8.0	4.7	25°	16'	"	M.H.T.	135'
			6.7	6.0	20°	15'	"		106'
			4.7	8.0	10°	26'	"		53'
			2.4	10.3	0°	00'	—	"P" LINE	0
			1.0	11.7	05°	34'	RT.	(BK.)	-28'
			0.9	11.8	08°	32'	"		-43

F.B. 3223 PG. 108 Job No. 0330.0 Division No. 11 Notes Red Plotted Profile
Survey of [illegible] SURVEYS Date Date No.
Survey by [illegible] Notes W.A.R. Notes Chkd. Checked X-Sec.
Indexed C. J. GALLE Date Date No.

76-L-298 CE 307 2-63

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Profile Notes Red____ Plotted____ Job No.____ Division No.____ F.B. 32-33 Pg. 109
No.____ Date____ Date____ Survey of HYDROLOGIC SURVEYS
X-Sec. Notes Chkd.____ Checked____ Survey by [illegible] Notes W.R.R. Date 1-20-66
No.____ Date____ Date____ Map No.____ Indexed C. J. GILL Date____

BASIN "D"

STATION	B. S.	H. I.	F. S.	ELEV.	HOR. ANGLE.		DIST.
		12.67					
TRANSIT @		12+36.71	SIGHT @	10+00			
10+00			0.9	11.8	11° 46' RT.		+49
			0.5	12.2	07° 51' "	BK.	-33
			2.2	10.5	03° 19' "	"	+14
			2.8	9.9	0° 00' "	"P" LINE	0
			5.0	7.7	11° 52' LT.		+50
			7.0	5.7	23° 09' "		+101
			8.0	4.7	27° 34' "	M.H.T.	+124
			9.8	2.9	36° 25' "		+175
			10.6	2.1	39° 55' "		+198
T.P.	1.89	3.61	10.95	1.72			
			3.5	0.1	44° 19' LT.		+231
			5.8	-2.2	46° 51' "		+253
			9.3	-5.7	51° 20' "		+296
			12.4	-8.8	53° 28' "		+320
			14.9	-11.3	55° 43' "		+347

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12.9
4.7
8.2

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STATION	B.S.	H.I.	F.S.	ELEV.	BASIN "D"			Dist
		3.61						
TRANSIT @ 12+36.71 SIGHT @ 10+50								
					HOR. ANGLE			
10+50			15.1	-11.5	65°	28'	LT.	409'
			13.8	-10.2	63°	21'	"	372'
			6.4	-2.8	60°	05'	"	324'
			5.0	-1.4	58°	13'	"	301'
			3.5	0.1	55°	19'	"	270'
			1.8	1.8	49°	53'	"	222'
T.P.	11.14	12.86	1.89	1.72				
			9.5	3.4	41°	38'	LT.	166'
			8.2	4.7	33°	13'	"	M.H.T. 122'
			7.8	5.1	30°	15'	"	109'
			5.4	7.5	16°	03'	"	54'
			3.1	9.8	0°	00'	— "P" LINE	0
			2.6	10.3	03°	51'	RT.	-13
			0.7	12.2	09°	13'	"	-30
			1.2	11.7	14°	32'	"	-48
T.P.	6.83	16.64	3.05	9.81	1X2 @ STA 10+50			

1-20-66-30

F.B. 3223 Pg. 110 Job No. 03 OP.02 Division No. 11 Notes Red Date Plotted Date No. Profile
Survey of ANDRO GRAPHIC SURVEYS Date Notes Chkd. Date Checked Date No. X-Sec.
Survey by [illegible] Notes W.D.B. Date
Indexed C. J. GALLI Date

76-L-298 CE 307 2-63

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16.64
4.7
11.9

Do not extend notes this side of this line.

Profile Notes Red Plotted Job No. Division No. 11 | F.B. 3223 PG. 111
No. Date Date Survey of HYDROGRAPHIC SURVEYS
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes W.R.R. Date 1-21-66
No. Date Date Map No. Indexed C. J. GALLI Date

0300.02

STATION	B. S.	H. I.	F. S.	ELEV.	BASIN "D"	
		16.64				
11+00			6.8	9.8	L.T.	"P" LINE RT.
			8.8	7.8		50'
			10.6	6.0		100'
			12.3	4.3		150'
			13.9	2.7		200'
			15.2	1.4		250'
			5.7	10.9	41.5 SAND	
			4.9	11.7	42.0 T.C.	
11+50			6.4	10.2		"P" LINE
			8.3	8.3		50'
			10.1	6.5		100'
			11.7	4.9		150' M.H.T.H.
			13.2	3.4		200'
			14.3	2.3		239'
			15.4	1.2		300'
			4.9	11.7	30 T.C.	

76-L-298 CE 307 2-63

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F.B. 3223 Pg. 112 | Job No. 0300.02 Division No. 11 Notes Red ____ Plotted ____ Profile
Survey of HYDROGRAPHIC SURVEYS Date ____ Date ____ No. ____
Survey by RICHARDS Notes W.S.R. Notes Chkd. ____ Checked ____ X-Sec.
Indexed ____ Date ____ Date ____ Date ____ No. ____

BASIN "D"

STATION	B.S.	H.I.	F.S.	ELEV.			
		16.64			LT.		"P" LINE RT.
12+00			5.7	10.9			"P" LINE
			7.3	9.3			50'
			8.8	7.8			100'
			3.8	12.8	42'	SAND	
			3.5	13.1	42'	T.C.	
12+36.71	"P"	LINE	& PT.				
12+50			4.2	12.4			"P" LINE
			1.1	15.5	51'	SAND	
			0.8	15.8	51'	T.C.	
13+00			4.5	12.1			"P" LINE
			7.3	9.3			50'
			1.1	15.5	51'	SAND	
			0.9	15.7	51'	T.C.	

76-L-298 CE 307 2-63

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

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Profile Notes Red ____ Plotted ____ Job No. 03000.07 Division No. 11 | F.B. 3223 Pg. 113
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEYS
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes M.H.R. Date 1-24-66
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

BASIN "D"

STATION	B. S.	H. I.	F. S.	ELEV.		
		16.64				
13+50			5.2	11.4		"P" LINE RT
			8.3	8.3		"P" LINE 50'
			10.6	6.0		100'
			1.5	15.1	5.1'	SAND
			1.1	15.5	5.1'	T.C.
14+00			5.3	11.3		"P" LINE
			8.7	7.9		50'
			11.6	5.0		100'
			11.9	4.7		108' M.H.T.
			12.8	3.8		130'
			14.3	2.3		192'
			1.5	15.1	5.1'	SAND
			1.1	15.5	5.1'	T.C.
B.M. S.60	5.55	15.59	6.64	10.00		B.M. S-60 EL. = 10.04 FB. 2679-140
						BT. SPK. IN TOP CONC BULKHEAD (186+52±)

76-L-298 CE 307 2-63

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403 Los Angeles County Engineering Bldg.

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

15.6
4.7
10.9
M.H.T.

Do not extend notes this side of this line.

F.B. 3223 Pg. 1114 | Job No. 0300.02 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of HYDROGRAPHIC SURVEYS Date ____ No. ____ X-Sec. ____
Survey by RICHARDS Notes H.W.R. Notes Chkd. ____ Checked ____ No. ____
Indexed C. 1 GALL Date ____ Date ____ Date ____

BASIN "D"

STATION	B.S.	H.I.	F.S.	ELEV.	HOR. ANGLE			DIST
		15.59						
TRANSIT @ 14+50	12436.71		SIGHT @ 14+50					
					HOR. ANGLE			DIST
14+50			0.2	15.4	13°	30'	4T.T.C.	- 51
			0.5	15.1	13°	30'	11 SAND	- 51
			4.6	11.0	0°	00'	— "P" LINE	0
			7.9	7.7	13°	06'	RT.	+50
			10.9	4.7	23°	43'	11 M.H.T.	+94
T.P.	985	5.58	10.86	4.73				
			3.3	2.3	33°	58'	RT.	+144
			3.9	1.7	40°	05'	11	+180
			4.7	0.9	44°	26'	11	+209
			5.9	-0.3	49°	25'	11	+249
			7.0	-1.4	53°	28'	11	+288
			13.8	-8.2	55°	48'	11	+314
			15.0	-9.4	59°	48'	11	+366

76-L-298 CE 307 2-63

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	BASIN "D"				
			5.58						
TRANSIT @ 12+36.71, SIGHT @ 15+00									
					HOR.	ANGLE			Dist
15+00			15.9	-10.3	49°	08'	RT.		+304
			14.0	-8.4	46°	44'	"		+280
			6.5	-0.9	43°	27'	"		+249
			4.8	0.8	36°	28'	"		+195
			3.7	1.9	30°	15'	"		+154
			2.0	3.6	21°	50'	"		+105
T.P.	10.67	15.40	0.85	4.73					
			10.7	4.7	17°	35'	RT.	M.H.T.	+83
			8.4	7.0	10°	55'	"		+51
			4.7	10.7	0°	00'	—	"P" LINE	0
			0.6	14.8	10°	45'	LT.	SAND	-50
			0.2	15.2	10°	45'	"	T.C.	-50

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 030002 Division No. 11 F.B. 3223 Pg. 115

X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of HYDROGRAPHIC SURVEYS

Survey by RICHARDS Notes W.A.R. Date 1-21-66

Map No. ____ Indexed ____ Date ____

76-L-298 CE 307 2-63

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	BASIN "D"				
		15.40							
TRANSIT @ 12+36.71					SIGHT @ 15+50				
					HOR. ANGLE				Dist
15+50			0.3	15.1	09°	15'	LT.	T.C.	-51
			0.7	14.7	09°	15'		SAND	-51
			5.2	10.2	0°	00'		"P" LINE	0
			8.9	6.5	09°	26'	RT.		+5
			10.7	4.7	13°	54'	"	M.H.T.	+78
T.P.	0.49	5.00	10.89	4.51					
			2.2	2.8	18°	32'	RT.		+105
			3.6	1.4	25°	51'	"		+152
			4.3	0.7	30°	04'	"		+181
			6.2	-1.2	34°	42'	"		+217
			6.6	-1.6	37°	31'	"		+241
			13.5	-8.5	41°	10'	"		+274
			15.2	-10.2	44°	32'	"		+308

F.B. 3223 PG. 116 Job No. 0300.02 Division No. 11 Notes Red Plotted Profile
Survey of HYDROGRAPHIC SURVEYS Date Date No.
Survey by W.A.R. Notes W.A.R. Notes Chkd. Checked X-Sec.
Indexed C. J. GALLY Date Date Date No.

76-L-298 CE 307 2-63

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Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F.B. 3223 Pg. 117
No. Date Date Survey of HYDROGRAPHIC SURVEYS
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes W.R.R. Date 1-24-66
No. Date Date Map No. Indexed Date

STATION	B. S.	H. I.	F. S.	ELEV.	BASIN "D"	
		5 00				
TRANSIT @ 12+36.71, SIGHT @ 16+00						
					HOR. ANGLE	Dist.
16+00			16.0	-11.0	39° 51' RT.	+300'
			12.7	- 7.7	34° 33' "	+250'
			6.1	- 1.1	28° 16' "	+195'
			4.1	0.9	22° 20' "	+149'
			3.3	1.7	18° 27' "	+121'
			2.3	2.7	14° 45' "	+96'
T. P.	10.65	15.16	0.49	4.51		
			10.5	4.7	10° 45' " M.H.T.	+69'
			8.6	6.6	07° 46' "	+50'
			9.7	10.5	0° 00' — "P" LINE	0
			0.7	14.5	07° 55' LT. SAND	- 51'
			0.2	15.0	07° 55' " T.C.	- 51'

76-L-298 CE 307 2-63

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	BASIN "D"				
		15.16							
TRANSIT @ 12+36.71, SIGHT @ 16+50									
					HOR. ANGLE.				Dist.
16+50			5.5	9.7	0°	00'	—		00.
			10.5	4.7	08°	13'	RT.	M.H.T.	60.
			11.6	3.6	10°	47'	"		79.
T.P.	1.99	5.72	11.43	3.73					
			4.6	1.1	17°	40'	"		132
			5.4	0.3	20°	28'	"		154
			6.6	0.9	23°	40'	"		181
			7.9	-2.2	27°	13'	"		213
			12.8	-7.1	30°	40'	"		245
			16.7	-11.0	34°	30'	"		284

F.B. 3223 PG. 118 Job No. 0300.07 Division No. 11 Notes Red Plotted Profile
Survey of HYDROGRAPHIC SURVEYS Date Date No.
Survey by RICHARDS Notes W.A.R. Notes Chkd. Checked X-Sec.
Indexed C. J. GALLI Date Date No.

76-L-298 CE 307 2-63

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Profile Notes Red. Plotted Job No. 0300.02 Division No. 11
No. Date Date Survey of HYDROGRAPHIC SURVEYS
X-Sec. Notes Chkd. Checked Survey by RECORDS Noted W.A.R. Date 1-24-66
No. Date Date Map No. Indexed C. J. GILL Date

F.B. 3223 Pg. 119

BASIN "D"

STATION	B. S.	H. I.	F. S.	ELEV.	HOR. ANGLE			DIST.	
		5.72							
TRANSIT @		124 36 71		5.6	PT @ 17+00				
17+00			17.0	-11.3	33°	04'	RT.	302	
			15.7	-10.0	29°	26'	"	261	
			11.7	- 6.0	25°	08'	"	217	
			7.4	- 1.7	20°	43'	"	175	
			5.8	- 0.1	16°	28'	"	137	
			4.4	1.3	12°	17'	"	101	
			2.7	3.0	09°	07'	"	74	
T. P.	8.70	12.43	1.99	3.73					
			7.7	4.7	05°	45'	"	M.H.T.	47
			6.9	5.5	03°	28'	"	BOT. ROCK	28
			1.7	10.7	01°	50'	"	TOP "	15
			1.5	10.9	0°	00'		"P" LINE	0

76-L-298 CE 307 2-63

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	BASIN "D"				
		12.43							
TRANSIT @ 12+36.71, SIGHT @ 17+40									
					HOR. ANGLE				Dist
17+40	(W. EDGE OF GROIN)		0.7	11.7	0°	00'	RT "P" LINE		00
			1.8	10.6	05°	05'	"	TOP ROCK.	45
			8.8	3.6	06°	50'	"	BOT. "	60
T.P.	1.57	4.40	9.60	2.83				SAND	
			2.2	2.2	09°	20'	"	"	83
			4.5	-0.1	14°	30'	"		130
			5.3	-0.9	16°	35'	"		150
			7.3	-2.9	19°	20'	"		177
			9.3	-4.9	22°	00'	"		203
			14.5	-10.1	26°	01'	"		246
			15.2	-10.8	28°	42'	"		276
T.P.	11.00	13.83	1.57	2.83					

F.B. 3223 PG. 120 Job No. 33 00 02 Division No. 11 Notes Red Date Plotted Date No. Profile
Survey of HYDROGRAPHIC SURVEYS Notes Chkd. Checked Date X-Sec.
Survey by RICHARDS Notes W.A.R. Date
Indexed C. J. GALLI Date No.

76-L-298 CE 307 2-63

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Profile Notes Red ____ Plotted ____ Job No. 3300.02 Division No. 11 F.B. 3223 Pg. 121
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEYS
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes W.D.E. Date 1-24-66
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. CALL Date ____

BASIN "D"

STATION	B. S.	H. I.	F. S.	ELEV.	HOR. ANGLE				DIST.
		13.83							
TRANSIT @ 17+00			SIGHT	@ 18+10					
18+10 (E. EDGE OF GROIN)			2.3	11.5	0°	00'	— "P" LINE		0.0'
			3.6	10.2	15°	40'	RT. GROUND		31'
			4.2	9.6	32°	13'	" TOP ROCK		69'
END OF ROD PROFILE			14.0	-0.2	37°	01'	" BOT ROCK		83'
1 SEE TAPE ON SOUNDER				-1.3	41°	30'	"		97'
2				-9.7	50°	20'	"		133'
3				9.2	55°	02'	"		157'
4				9.7	60°	55'	"		198'
5				10.8	65°	40'	"		243'
6				11.5	69°	29'	"		294'

76-L-298 CE 307 2-63

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403 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

F.B. 3223 Pg. 122 | Job No. 23002 | Division No. 11 | Notes Red | Plotted | Profile
Survey of HYDROGRAPHIC SURVEYS | Date | No. | X-Sec.
Survey by RICHARDS Notes W.A.R. | Date | Notes Chkd | Checked | No.
Indexed C. J. GALL | Date | Date | Date

STATION	B. S.	H. I.	F. S.	ELEV.	BASIN "D"	
		1383				
TRANSIT @ 17+00, SIGHT @					18+50	
					HOR. ANGLE	Dist.
18+50			1.9	11.9	0° 00' + "P" LINE	00.
			3.8	10.0	18° 40' RT.	37.
			3.7	10.1	26° 28' " TOP HDWL.	55.
			6.4	7.4	26° 30' " TOP ROCK	35
END OF ROD PROFILE						
SEE TAPE ON SOUNDER FOR THIS PORTION						
1				-1 7	32° 15' "	69.
2				-10 1	41° 45' "	98
3				9 9	48° 40' "	125.
4				11 8	52° 00' "	141.
5.				10 6	59° 25' "	186.
6.				11 9	61° 17' "	291.
B.M. 5-60			3.81	10.02	B.M. 5-60 EL. = 10.09 F.B. 2679-170	

Profile No. _____ Notes Red. _____ Plotted _____ Job No. 0300.02 Division No. 11 | F. B. 3223 PG. 123

X-Sec. No. _____ Date _____ Date _____ Survey of HYDROGRAPHIC SURVEYS

Notes Chkd. _____ Checked _____ Survey by RICHARDS Notes W.A.R. Date 1-25-66

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

J. N. 0300.02

HYDROGRAPHIC SURVEYS

MARINA DEL REY

CUT IN ANGLES FOR MAIN CHANNEL

CONTROL SURVEYS REF. : FB. 3223: 5-18, INC

1-25-66

RICHARDS
OCHSNER
BAZEN
FOULGER
TURRILL
SIEMANN

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
				91°	25'			
				00	00			
				00	00			13404
				00	00			
				00	00			
				00	00			13405

76L298 307 Cdb 12-62

76L298 307 Cdb 12-62

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LOS ANGELES COUNTY SURVEYOR

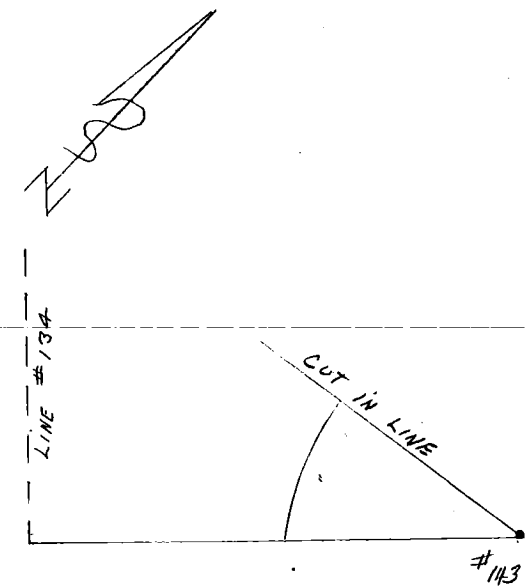
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#18+00 143	0+33.00	14:57	1	26°	05'			
			2	24°	50'			
			3	23°	30'			13406
			4	22°	25'			
			5	20°	50'			
			6	19°	35'			13407
			7	18°	10'			
			8	16°	50'			
			9	15°	20'			13408
			10	13°	45'			
			11	11°	40'			
			12	10°	10'			13409
			13	08°	00'			
			14	06°	25'			
			15	04°	15'			13410
		15:01	16	02°	15			
			17	00	00			
				00	00			13411
				00	00			
				00	00			
				0	00			13412

LINE # 134



F. B. 3223 PG. 124 Job No. 03 0010 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEYS Date Date No. X-Sec.

Survey by RICHARDS Notes RT Notes Chkd. Checked

Indexed C. J. GALLI Date Date Date No.

76L298 307 Cdb 12-62

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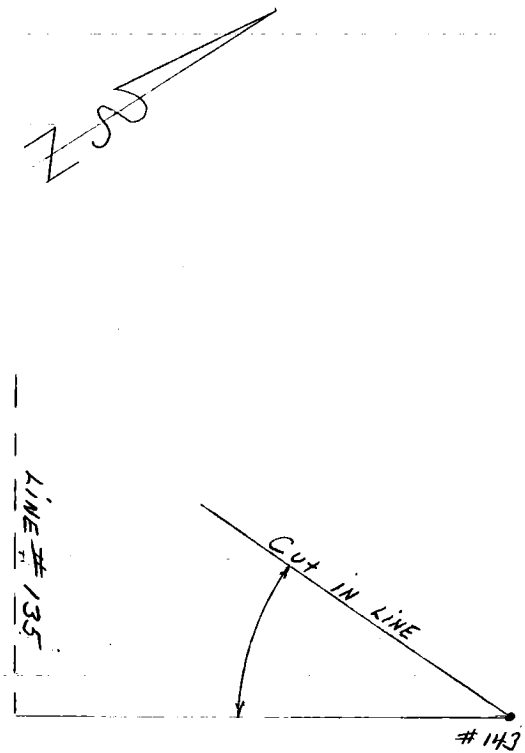
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#143	0+33.00	11:06	1	29°	25'			
18+00			2	28°	35'			
			3	27°	20'			13506
			4	25°	35'			
			5	24°	05'			
			6	21°	20'			13507
			7	18°	25'			
			8	15°	25'			
			9	12°	25'			13508
			10	09°	45'			
			11	07°	30'			
			12	05°	20'			13509
			13	03°	35'			
			14	02°	45'			
		11:13	15	01°	40'			13510
				91°	25'			
				00	00			
				00	00			13504
				00	00			
				00	00			
				00	00			13505



Profile Notes Red. Plotted Job No. 3300.02 Division No. 11 F.B. 3223 PG. 125
No. Date Date Survey of HYDROGRAPHIC SURVEYS
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes RT Date 1-26-66
No. Date Date Map No. Indexed C. J. GALLI Date

76L298 307 Cdb 12-62

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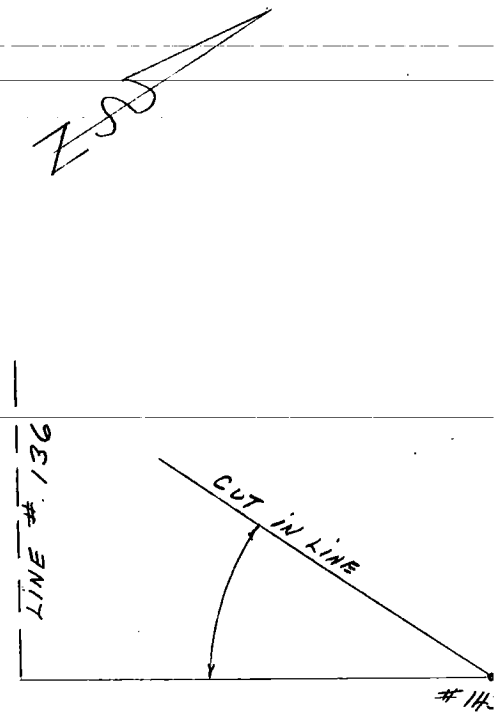
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#143	0+33.00	11:17	1	33°	10'			
18+00								
			2	32°	30'			
			3	31°	35'			13606
			4	29°	40'			
			5	27°	50'			
			6	26°	05'			13607
			7	21°	00'			
			8	17°	05'			
			9	12°	45'			13608
			10	09°	35'			
			11	07°	10'			
			12	05°	10'			13609
			13	03°	40'			
		11:23	14	02°	00'			
				0	0			13610
				91°	25'			
				0	0			
				0	0			13604
				0	0			
				0	0			
				0	0			13605



F. B. 3223 PG. 126 Job No. 0300.02 Division No. Notes Red. Plotted Profile
Survey of HYDROGRAPHIC SURVEYS Date Date No. X-Sec.
Survey by RICHARDS Notes RT Notes Chkd. Checked
Indexed C. I. GALLI Date Date Date No.

76L298 307 Cdb 12-62

PLEASE RETURN TO
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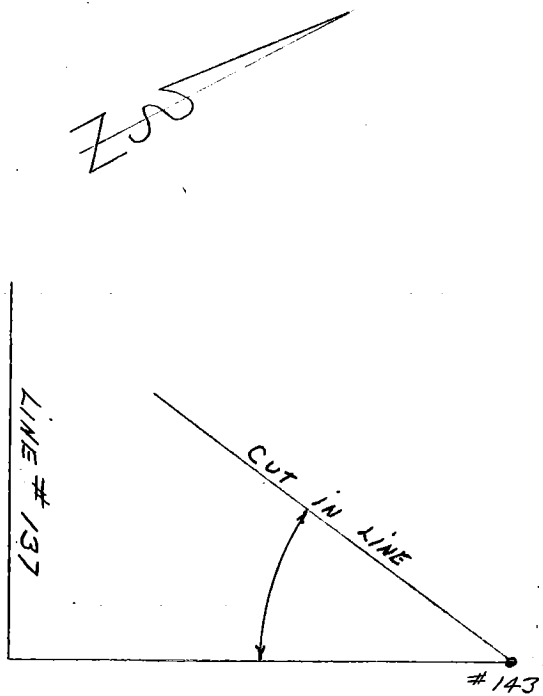
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#143	0+33.00	11:34	1	36°	50'			
18+00			2	36°	25'			
			3	35°	35'			13706
			4	33°	55'			
			5	31°	05'			
			6	28°	35'			13707
			7	24°	50'			
			8	20°	35'			
			9	16°	50'			13708
			10	13°	50'			
			11	09°	45'			
			12	07°	00'			13709
			13	05°	25'			
			14	04°	05'			
		11:39	15	02°	15'			13710x
				91°	25'			
				0	0			
				0	0			13704
				0	0			
				0	0			
				0	0			13705



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F.B. 3223 Pg. 127
No. Date Date Survey of HYDROGRAPHIC SURVEYS
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes RT Date 1-26-66
No. Date Date Map No. Indexed G. L. GILL Date

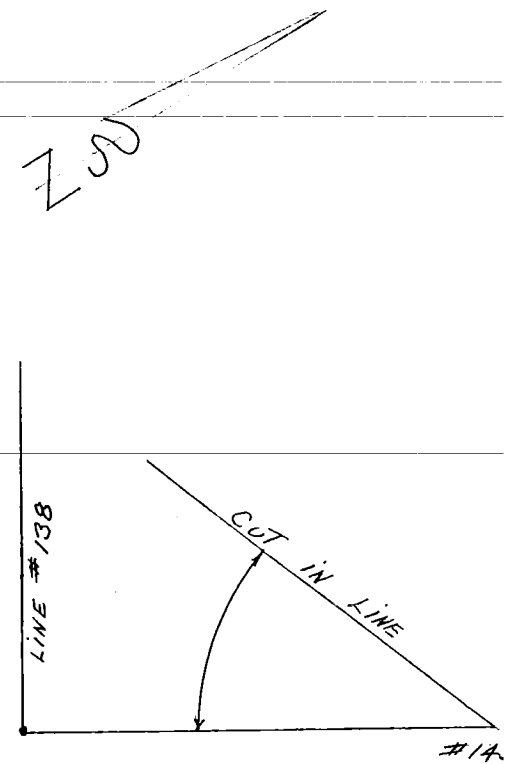
76L298 307 Gdb 12-62

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#143	0+33.00	11:46	1	42°	00'			
18+00			2	41°	15'			
			3	40°	00'			13806
			4	38°	45'			
			5	37°	00'			
			6	35°	40'			13807
			7	32°	10'			
			8	27°	20'			
			9	22°	40'			13808
			10	16°	40'			
			11	10°	15'			
			12	07°	20'			13809
			13	04°	40'			
		11:50	14	03°	05'			
				0	0			13810
				91°	25'			
				0	0			
				0	0			13804
				0	0			
				0	0			
				0	0			13805



F. B. 3223 PG. 128 Job No. 0300.02 Division No. Notes Red. Plotted Profile
Survey of HYDROGRAPHIC SURVEYS Date Date No. X-Sec.
Survey by RICHARDS Notes RT Notes Chkd. Checked
Indexed C. J. GALLI Date Date Date No.

76L298 307 Cdb 12-62

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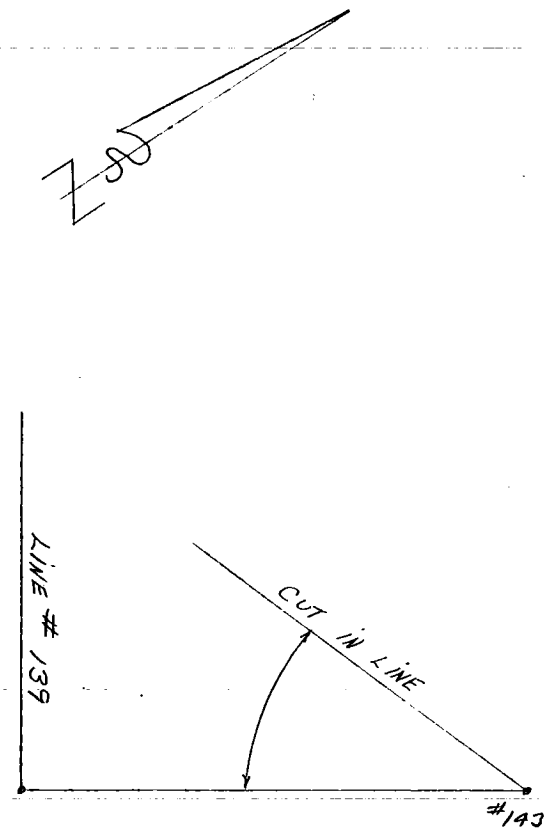
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

Inst. At	Sight On	Time	Angle Nº	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Deg.	For Office Use Only Line Min.	For Office Use Only Card Nº
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
#143	0+33.00	11:56	1	48°	20'			
18+00			2	47°	05'			
			3	46°	10'			13906
			4	44°	30'			
			5	41°	50'			
			6	37°	05'			13907
			7	32°	35'			
			8	27°	35'			
			9	20°	40'			13908
			10	15°	50'			
			11	12°	55'			
			12	09°	05'			13909
			13	06°	05'			
		12:01	14	04°	00'			
				0	0			13910*
				91°	25'			
				0	0			
				0	0			13904
				0	0			
				0	0			
				0	0			13905



Profile Notes Red. Plotted Job No. 03002 Division No. 11 F.B. 3223 Pg. 129

No. Date Date Survey of HYDROGRAPHIC SURVEYS

X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes RT Date 1-26-66

No. Date Date Map No. Indexed G. J. Gatti Date

76L298 307 Cdb 12-62

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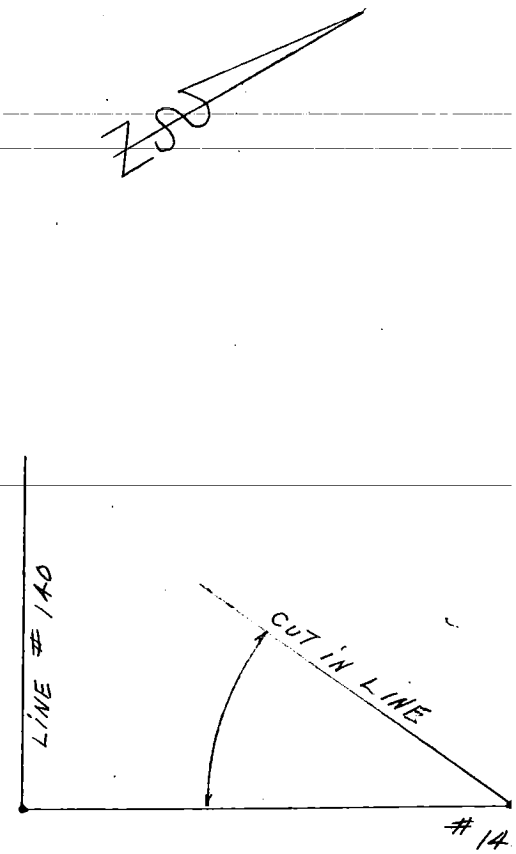
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#143	0+33.00	13:11	1	55°	50'			
18+00			2	55°	35'			
			3	54°	20'			14006
			4	53°	25'			
			5	51°	30'			
			6	49°	20'			14007
			7	45°	10'			
			8	40°	50'			
			9	34°	05'			14008
			10	26°	45'			
			11	20°	15'			
			12	15°	30'			14009
			13	10°	30'			
			14	07°	20'			
		13:15	15	04°	10'			14010
				91°	25'			
				0	0			
				0	0			14004
				0	0			
				0	0			
				0	0			14005



Profile

F. B. 3223 PG. 130 Job No. 0300.02 Division No. 11 Notes Red. Plotted No.

Survey of HYDROGRAPHIC SURVEYS Date Date X-Sec.

Survey by RICHARDS Notes RT Notes Chkd. Checked No.

Indexed G. J. GALLI Date Date Date

76L298 307 Cdb 12-62

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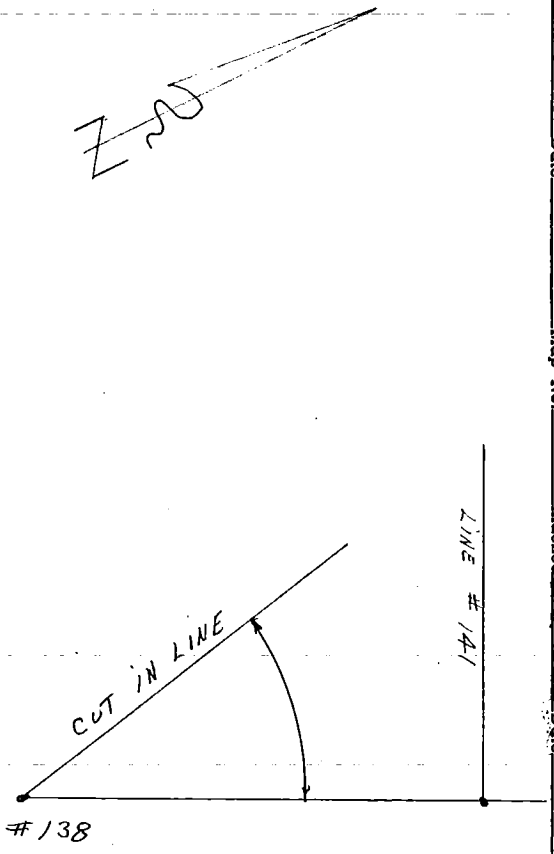
726 Los Angeles County Engineering Bldg.

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.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Min.	For Office Use Only Range Deg.	Line Min.	Card No
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
#138	℄ PT. 22+80	13:25	1	58°	20'			
8400			2	57°	30'			
			3	56°	30'			14106
			4	55°	05'			
			5	50°	35'			
			6	43°	00'			14107
			7	36°	25'			
			8	27°	45'			
			9	21°	00'			14108
			10	14°	35'			
			11	10°	40'			
			12	07°	15'			14109
		13:29	13	04°	15'			
				0	0			
				0	0			14110
				91°	25'			
				0	0			
				0	0			14104
				0	0			
				0	0			
				0	0			14105



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11
No. Date Date Survey of HYDROGRAPHIC SURVEYS F. B. 3223 Pg. 131
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes RT Date 1-26-66
No. Date Map No. Indexed C. J. CALL Date

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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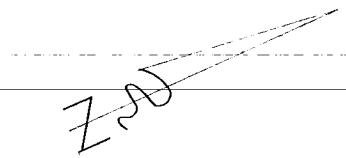
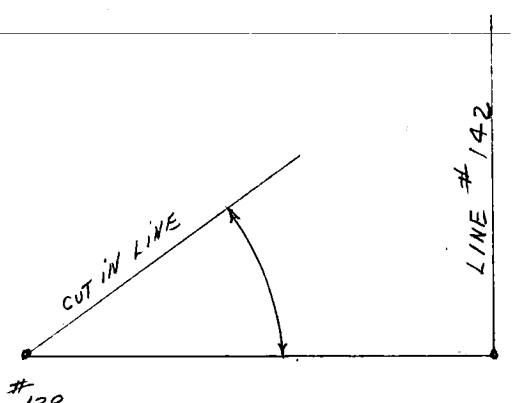
Do not extend notes this side of this line.

F. B. 3223 Pg. 132 | Job No. 0300.02 Division No. 11 Notes Red. Date
Survey of HYDROGRAPHIC SURVEYS Date
Survey by RICHARDS Notes RT Notes Chkd. Date
Indexed E. J. GALL Date
Profile No. X-Sec. No.
Plotted Date
Checked Date

Inst. At	Sight On	Time	Angle No.	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
# 138	℄ PI, 22+80	13:34	1	50°	20'			
8+00			2	49°	40'			
			3	48°	40'			14206
			4	47°	10'			
			5	44°	20'			
			6	40°	05'			14207
			7	33°	45'			
			8	24°	50'			
			9	17°	20'			14208
			10	12°	50'			
			11	08°	40'			
			12	05°	10'			14209
		13:38	13	03°	10'			
				0	0			
				0	0			14210
				91°	25'			
				0	0			
				0	0			14204
				0	0			
				0	0			
				0	0			14205





76L298 307 Cdb 12-62

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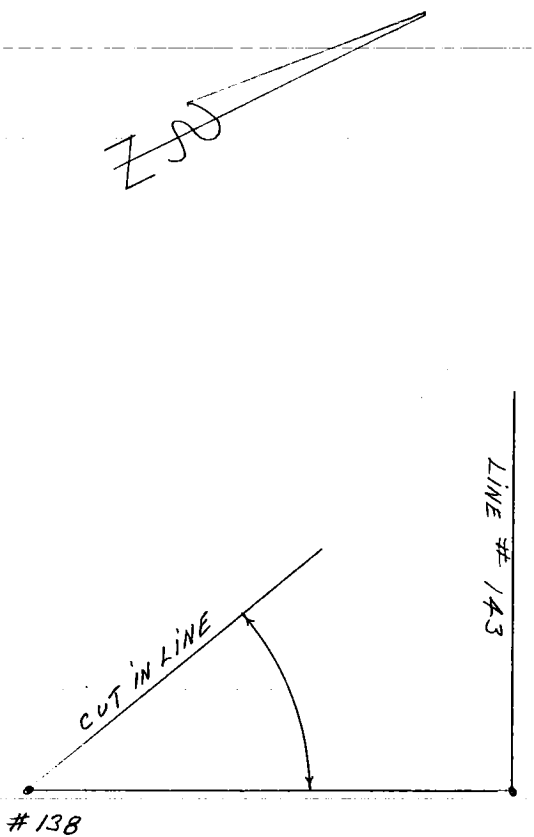
LOS ANGELES COUNTY SURVEYOR

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.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Min.	For Office Use Only Range Deg.	Line Min.	Card No
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
#138	* PT, 22480	13:43	1	43°	25'			
8+00			2	42°	30'			
			3	41°	35'			14306
			4	40°	20'			
			5	39°	15'			
			6	36°	30'			14307
			7	30°	50'			
			8	24°	50'			
			9	20°	30'			14308
			10	15°	15'			
			11	09°	20'			
			12	06°	15'			14309
			13	04°	10'			
		13:47	14	03°	45'			
				0	0			14310
				91°	25'			
				0	0			
				0	0			14304
				0	0			
				0	0			
				0	0			14305



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11

No. Date Date Survey of HYDROGRAPHIC SURVEY F. B. 3223 Pg. 133

X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes RT Date 1-26-66

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

76L298 307 Cdb 12-62

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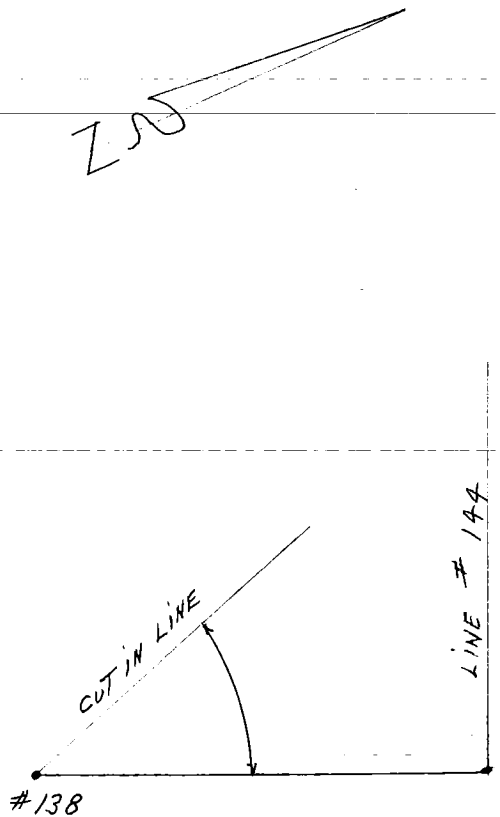
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#138	22+80 ¢ PT.	13:52	1	38°	35'			
8+00			2	38°	10'			
			3	37°	10'			14406
			4	35°	15'			
			5	33°	10'			
			6	29°	45'			14407
			7	26°	10'			
			8	22°	45'			
			9	18°	20'			14408
			10	14°	20'			
			11	10°	45'			
			12	08°	00'			14409
			13	05°	35'			
			14	04°	20'			
		13:56	15	03°	00'			14410
				91°	25'			
				0	0			
				0	0			14404
				0	0			
				0	0			
				0	0			14405



F. B. 3223 PG. 134 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile
Survey of HYDROGRAPHIC SURVEY Date Date No.
Survey by RICHARDS Notes RT Notes Chkd. Checked X-Sec.
Indexed G. J. GALLY Date Date Date No.

76L298 307 Cdb 12-62

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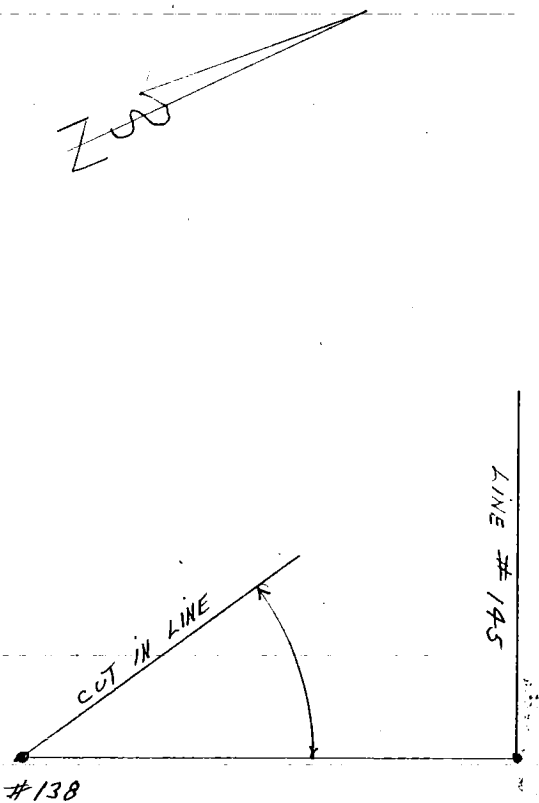
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#138	& PT. 22480	14:00	1	34°	25'			
8+00			2	33°	50'			
			3	32°	50'			14506
			4	31°	15'			
			5	28°	50'			
			6	25°	25'			14507
			7	22°	20'			
			8	18°	00'			
			9	12°	40'			14508
			10	09°	50'			
			11	07°	20'			
			12	05°	50'			14509
			13	04°	45'			
		14:05	14	03°	15'			
				0	0			14510
				91°	25'			
				0	0			
				0	0			14504
				0	0			
				0	0			
				0	0			14505



Profile
Notes Red. Plotted Job No. 0300.07 Division No. 11
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes RT Date 1-24-66
No. Date Date Map No. Indexed C. J. CAHILL Date
F. B. 3223 PG. 135

76L298 307 Cdb 12-62

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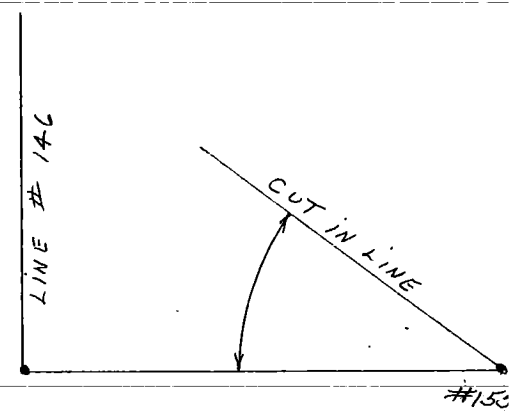
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
# 155 42+00	∡ PT. 22+80	14:58	1	28°	00'			
			2	27°	40'			
			3	27°	00'			14606
			4	25°	50'			
			5	24°	20'			
			6	22°	20'			14607
			7	19°	20'			
			8	16°	10'			
			9	12°	20'			14608
			10	09°	05'			
			11	07°	40'			
			12	06°	00'			14609
			13	04°	45'			
		15:03	14	02°	40'			
				0	0			14610
				86°	0			
				0	0			
				0	0			14604
				0	0			
				0	0			
				0	0			14605



F. B. 3223 PG. 136 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date No. X-Sec.

Survey by RICHARDS Notes R T Notes Chkd. Checked

Indexed C. J. GALLI Date Date No.

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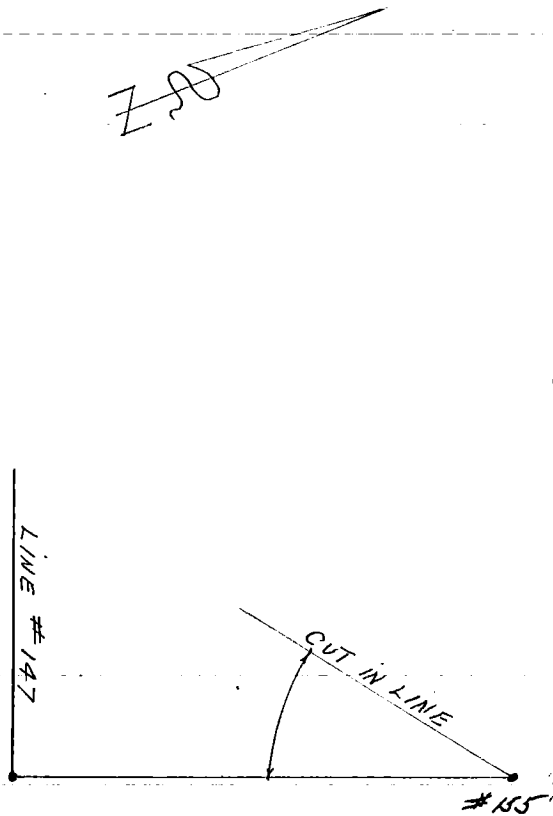
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	LINE	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH						
#155	℄ PT. 22+80	15:06	1	30°	50'				
42400			2	30°	00'				
			3	28°	50'				14706
			4	26°	25'				
			5	24°	50'				
			6	24°	45'				14707
			7	22°	15'				
			8	19°	50'				
			9	16°	20'				14705
			10	11°	50'				
			11	07°	35'				
			12	05°	20'				14709
			13	04°	10'				
		15:11	14	02°	40'				
				0°	0				14710
				86°	0				
				0	0				
				0	0				14704
				0	0				
				0	0				
				0	0				14705



Profile
Notes Red. Plotted Job No. 0300.02 Division No. 11
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes P.T. Date 1-26-66
No. Date Date Map No. Indexed J. Call Date

F. B. 3223 Pg. 137

76L298 307 Cdb 12-62

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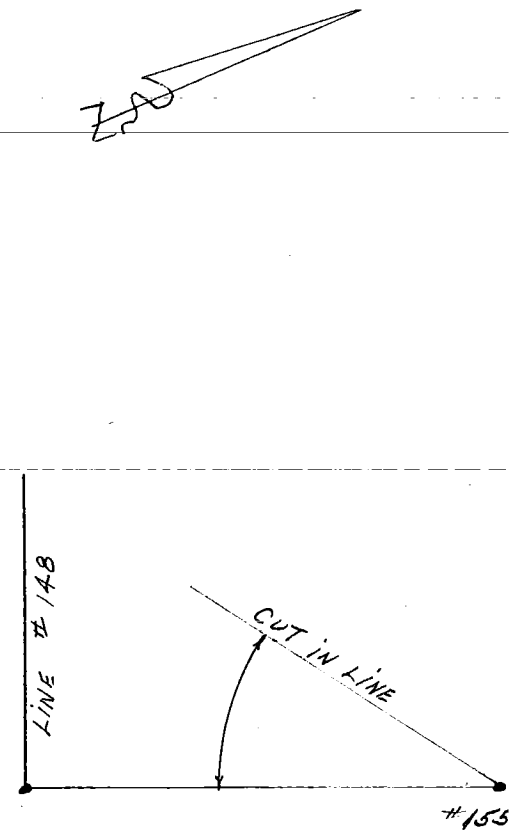
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#155 42+00	℄ PT 22+80	15:14	1	33°	45'			
			2	33°	15'			
			3	32°	45'			14806
			4	31°	50'			
			5	30°	55'			
			6	29°	15'			14807
			7	25°	40'			
			8	22°	25'			
			9	19°	40'			14808
			10	16°	05'			
			11	11°	50'			
			12	07°	55'			14809
			13	05°	40'			
			14	04°	20'			
		15:19	15	02°	40'			14810
				86°	0			
				0	0			
				0	0			14804
				0	0			
				0	0			
				0	0			14805



F. B. 3223 PG. 138 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile
Survey of HYDROGRAPHIC SURVEY Date Date No.
Survey by RICHARDS Notes RT Notes Chkd. Checked X-Sec.
Indexed C. L. [illegible] Date Date No.

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726 Los Angeles County Engineering Bldg.

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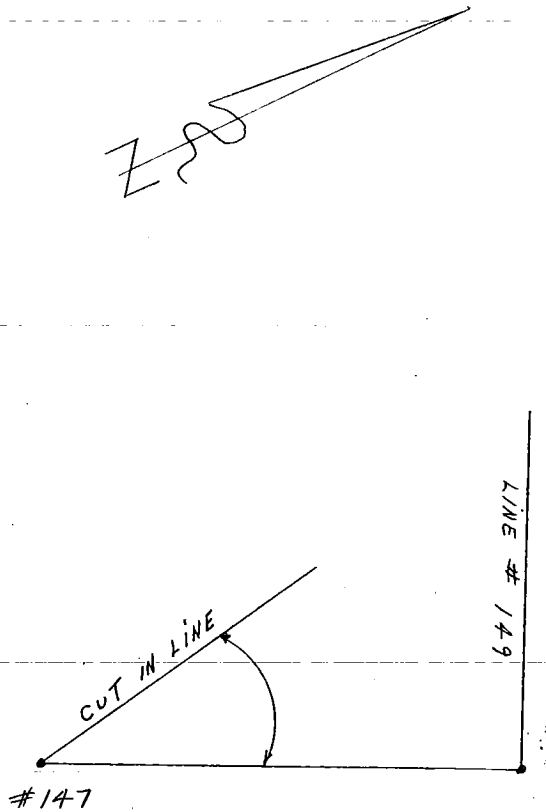
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE	LINE	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH			DEG.	MIN.	
E 147	56+59.20	10:31	1	62°	50'			
6400			2	62°	10'			
			3	60°	20'			14906
			4	58°	40'			
			5	55°	35'			
			6	49°	45'			14907
			7	42°	00'			
			8	33°	10'			
			9	23°	45'			14908
			10	16°	50'			
			11	11°	05'			
		10:34	12	07°	40'			14909
				86°	0			
				0	0			
				0	0			14904
				0	0			
				0	0			
				0	0			14905



Profile

Notes Red. Plotted Job No. 0300.02 Division No. 11

No. Date Date Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes by RT Date 1-27-66

No. Date Date Map No. Indexed C. J. CALL Date

F. B. 3223 Pg. 37

76L298 307 Cdb 12-62

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

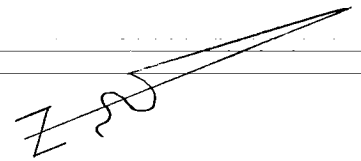
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

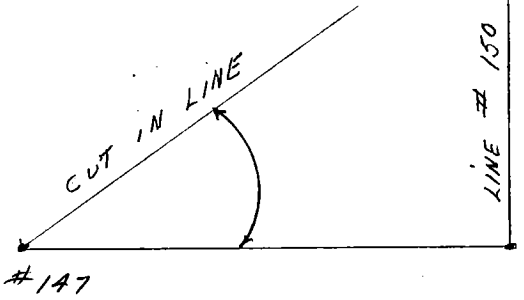
Do not extend notes this side of this line.

Profile No. X-Sec. No.
Plotted Date
Notes Red. Date
Notes Chkd. Date
Checked Date

F. B. 3223 Pg. 140 Job No. 0300.02 Division No. 11 Survey
Survey of HYDROGRAPHIC
Survey by RICHARDS Notes RT
Indexed C. J. GALL Date

INST. AT DON'T PUNCH	SIGHT ON DON'T PUNCH	TIME DON'T PUNCH	ANGLE Nº DON'T PUNCH	HOR. ANGLE DEG.	MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	MIN.	CARD Nº.
#147	5645'9.20	10:39	1	52°	30'			
26100			2	51°	55'			
			3	51°	05'			15006
			4	49°	25'			
			5	46°	40'			
			6	41°	35'			15007
			7	33°	30'			
			8	24°	10'			
			9	16°	00'			15008
			10	11°	20'			
			11	09°	05'			
			12	05°	25'			15009
		10:42	13	04°	35'			
				0	0			
				0	0			15010
				86°	0			
				0	0			
				0	0			15004
				0	0			
				0	0			
				0	0			15005





76L298 307 Cdb 12-62

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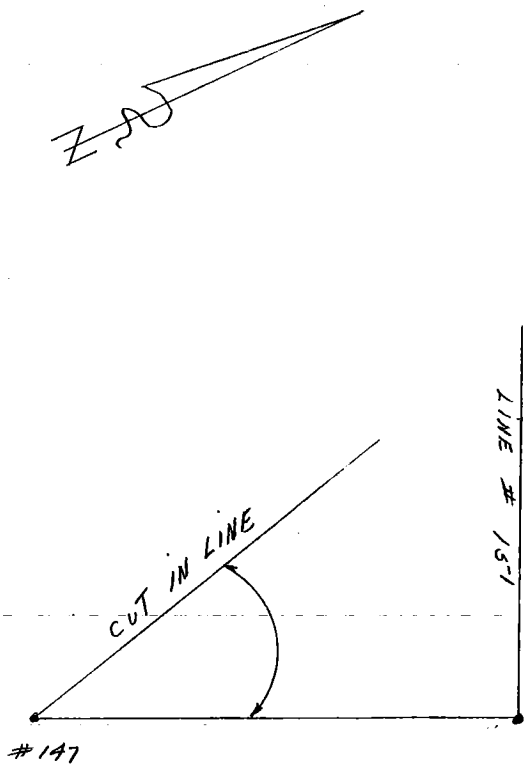
LOS ANGELES COUNTY SURVEYOR

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	LINE	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH						
#147	56459,20	10:46	1	45°	25'				
26400			2	44°	50'				
			3	43°	50'				15106
			4	42°	25'				
			5	40°	55'				
			6	38°	20'				15107
			7	34°	15'				
			8	29°	45'				
			9	22°	20'				15108
			10	15°	50'				
			11	10°	50'				
			12	08°	30'				15109
			13	05°	35'				
		10:50	14	03°	45'				
				0	0				15110
				86°	0				
				0	0				
				0	0				15104
				0	0				
				0	0				
				0	0				15105



Profile Notes Red. Plotted Job No. 63002 Division No. 11 F. B. 3223 Pg. 121

No. Date Date Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes RT Date 1-27-66

No. Date Date Map No. Indexed C. J. COLLE Date

76L298 307 Cdb 12-62

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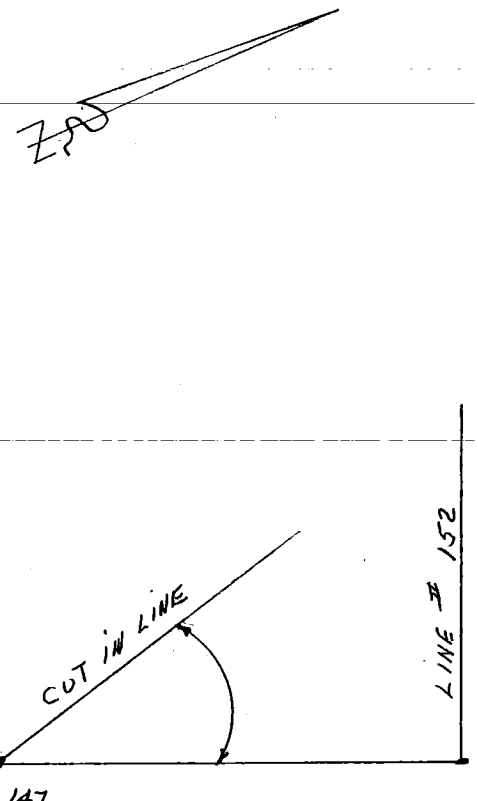
F. B. 3223 Pg. 142 | Job No. 0300.02 Division No. 11
Survey of HYDROGRAPHIC SURVEY
Survey by RICHARDS Notes RT
Indexed C. J. GALLI Date
Profile No. Plotted Date
X-Sec. No. Notes Red. Date
Notes Chkd. Checked Date

Inst. At	Sight On	Time	Angle No.	Hor. Angle Deg.	Min.	For Office Use Only: Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
#147	56+59.20	10:54	1	39°	10'			
26+00			2	38°	15'			
			3	37°	05'			15206
			4	35°	50'			
			5	34°	45'			
			6	32°	50'			15207
			7	30°	15'			
			8	24°	50'			
			9	18°	10'			15208
			10	11°	50'			
			11	09°	15'			
			12	07°	20'			15209
			13	05°	45'			
			14	04°	35'			
		10:58	15	02°	55'			15210
				86°	0			
				0	0			
				0	0			15204
				0	0			
				0	0			
				0	0			15205



76L298 307 Cdb 12-62

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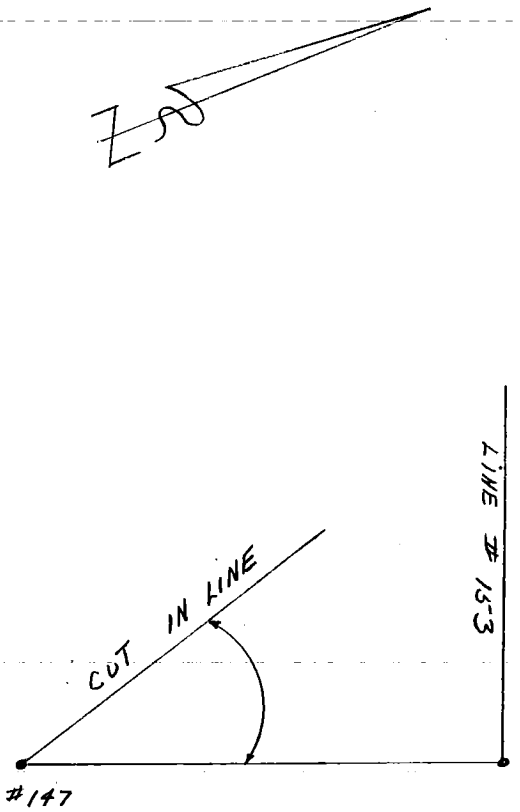
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

NST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#147	56+59.20	11:11	1	35°	45'			
26+00			2	35°	05'			
			3	34°	05'			15306
			4	33°	10'			
			5	31°	35'			
			6	28°	00'			15307
			7	23°	35'			
			8	17°	50'			
			9	12°	20'			15308
			10	08°	55'			
			11	06°	20'			
			12	04°	55'			15309
			13	03°	40'			
		11:14	14	02°	25'			
				0	0			15310
				86°	0			
				0	0			
				0	0			15304
				0	0			
				0	0			
				0	0			15305



Profile Notes Red Plotted Job No 03002 Division No. 11 F. B. 3223 Pg. 143

No. Date Date Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes RT Date 1-27-66

No. Date Date Map No. Indexed Date

76L298 307 Cdb 12-62

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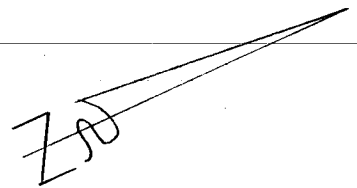
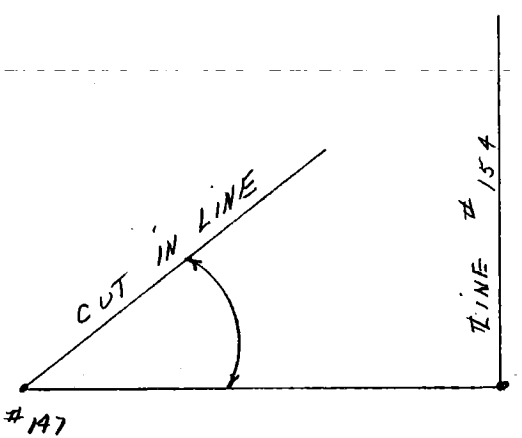
F. B. 3223 Pg. 144 Job No. 0300.02 Division No. 11 Survey
Survey of HYDROGRAPHIC
Survey by RICHARDS Notes RT
Indexed C. J. GALL Date
Profile No. X-Sec. No.
Plotted Date Checked Date
Notes Red. Date Notes Chkd. Date

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Min.	For Office Use Only Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
#147	56459.20	11:20	1	33°	40'			
26+00			2	33°	05'			
			3	32°	25'			15406
			4	31°	30'			
			5	30°	20'			
			6	29°	20'			15407
			7	27°	50'			
			8	25°	15'			
			9	20°	35'			15408
			10	15°	25'			
			11	10°	50'			
			12	07°	25'			15409
			13	05°	35'			
			14	04°	20'			
			15	03°	25'			15410
		11:24	16	02°	10'			
				0	0			
				0	0			15411
				86°	0			
				0	0			
				0	0			15404





76L298 307 Cdb 12-62

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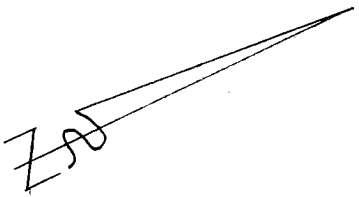
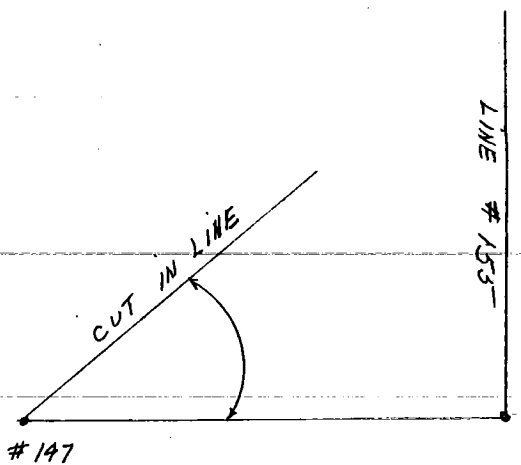
726 Los Angeles County Engineering Bldg.

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.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Min.	For Office Use Only Range Deg.	Line Min.	Card No
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
#147	56+58.20	11:29	1	32°	30'			
26+00			2	32°	10'			
			3	31°	35'			15506
			4	31°	05'			
			5	30°	35'			
			6	29°	50'			15507
			7	28°	00'			
			8	24°	35'			
			9	21°	45'			15508
			10	17°	45'			
			11	13°	45'			
			12	10°	50'			15509
			13	07°	25'			
			14	05°	35'			
			15	04°	20'			15510
			16	03°	10'			
		11:33	17	02°	00'			
				0	0			15511
				86°	0			
				0	0			
				0	0			15504





Profile
Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 3223 Pg. 145
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes RT Date 12-7-66
No. Date Date Map No. Indexed Date

76L298 307 Cdb 12-62

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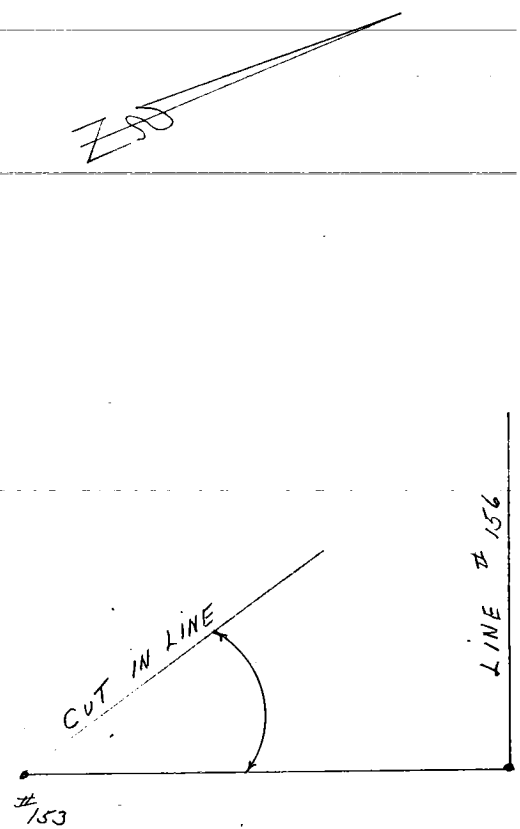
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#153	56+59.20	11:52	1	60°	10'	4.1	1194	
38+00			2	59°	45'	7.4	1172	
			3	59°	30'	10.9	1159	15606
			4	58°	50'	15.9	1124	
			5	58°	15'	19.4	1,096	
			6	56°	20'	18.0	1,009	15607
			7	54°	25'	20.1	932	
			8	51°	50'	21.7	840	
			9	47°	45'	22.1	717	15608
			10	43°	50'	19.1	619	
			11	40°	35'	22.4	548	
			12	35°	50'	22.2	457	15609
			13	30°	35'	24.2	371	
			14	23°	25'	23.6	269	
			15	~~12°~~	~~35'~~			15610
			16	12°	45'	20.9	138	
			17	09°	00'	13.4	96	
			18	05°	45'	7.9	61	15611
		11:57	19	04°	25'	2.4	47	
				0	0			
				0	0			15612



F. B. 3223 PG. 146 Job No. 6300.02 Division No. 11 Notes Red. Plotted Profile
Survey of HYDROGRAPHIC SURVEY Date Date No.
Survey by RICHARDS Notes RT Notes Chkd. Checked X-Sec.
Indexed C. J. GALLI Date Date Date No.

76L298 307 Cdb 12-62

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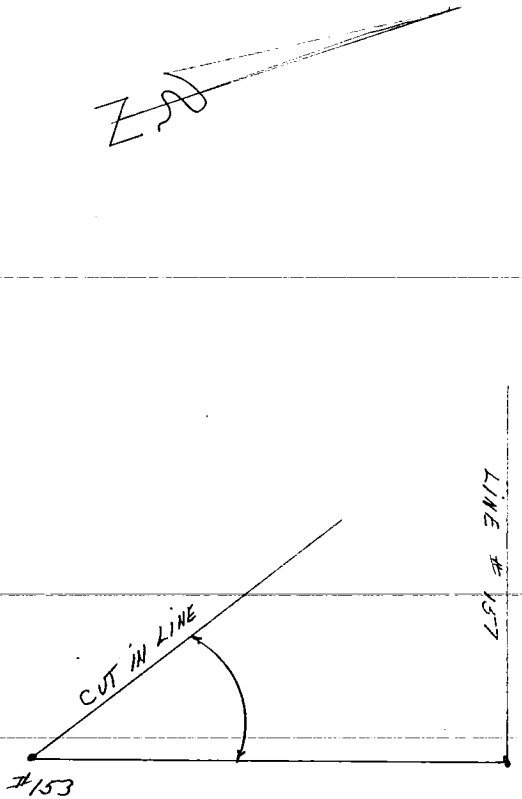
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#153	56+59.20	12:03	1	55°	35'			
38+00			2	54°	20'			
			3	52°	45'			15706
			4	50°	35'			
			5	47°	25'			
			6	44°	30'			15707
			7	39°	50'			
			8	34°	20'			
			9	27°	45'			15708
			10	20°	10'			
			11	12°	25'			
			12	07°	30'			15709
			13	05°	15'			
		12:07	14	04°	00'			
				0	0			15710
				86°	0			
				0	0			
				0	0			15704
				0	0			
				0	0			
				0	0			15705



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3223 Pg. 147
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes RT Date 1-27-66
No. ____ Date ____ Date ____ Map No. ____ Indexed G. J. GALLE Date ____

76L298 307 Cdb 12-62

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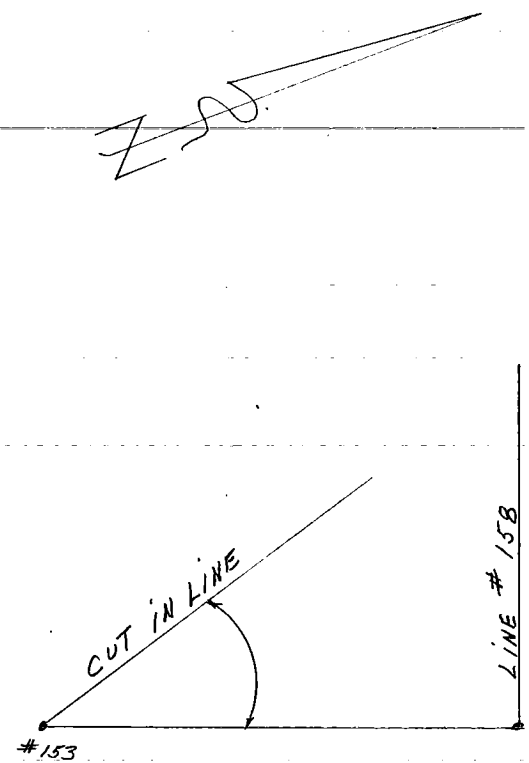
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
# 153	56+59.20	13:35	1	46°	40'			
38+08			2	44°	10'			
			3	41°	20'			15806
			4	38°	00'			
			5	34°	45'			
			6	30°	25'			15807
			7	26°	20'			
			8	20°	20'			
			9	15°	10'			15808
			10	10°	00'			
			11	07°	00'			
			12	05°	35'			15809
		13:39	13	04°	40'			
				0	0			
				0	0			15810
				86°	0			
				0	0			
				0	0			15804
				0	0			
				0	0			
				0	0			15805



F. B. 3223 PG. 148 Job No. 0300.02 Division No. 11 Notes Red. Plotted Date No. Profile
Survey of HYDROGRAPHIC SURVEY Date Checked Date X-Sec.
Survey by RICHARDS Notes RT Notes Chkd. Date No.
Indexed C. J. GALLI Date

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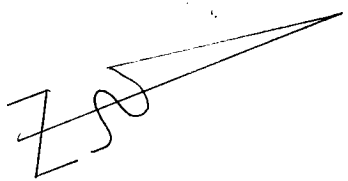
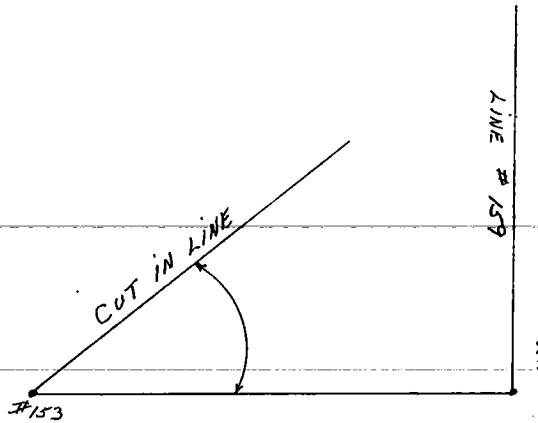
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Deg.	Range Line Min.	Card No
Don't Punch	Don't Punch	Don't Punch	Don't Punch			Deg.	Min.	
#153 38+00	56N7.20	14:00	1	39°	10'			
			2	36°	50'			
			3	34°	20'			15906
			4	31°	25'			
			5	27°	35'			
			6	23°	40'			15907
			7	19°	10'	1		
			8	16°	10'			
			9	13°	45'			15908
			10	12°	10'			
			11	11°	05'			
			12	10°	20			15909
		14:03	13	09°	00'			
				0	0			
				0	0			15910
				86°	0			
				0	0			
				0	0			15904
				0	0			
				0	0			
				0	0			15905





Profile
No. X-Sec. No.
Notes Red. Date Notes Chkd. Date Map No.
Plotted Date Checked Date Indexed
Job No. 23M02 Division No. 11
Survey of HYDROGRAPHIC SURVEY
Survey by RICHARDS Notes RT Date 1-27-64
F. B. 3223 Pg. 149

76L298 307 Cdb 12-62

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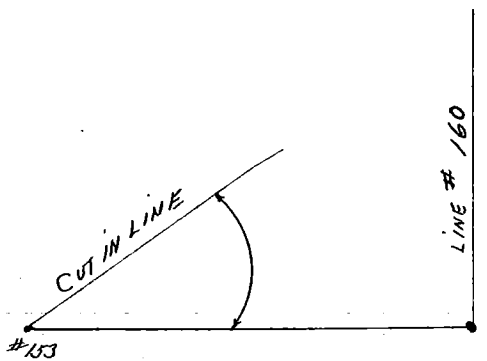
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#153 38+00	56+59.20	14:10	1	31°	00'			
			2	28°	50'			
			3	26°	35'			16006
			4	24°	30'			
			5	22°	35'			
			6	21°	05'			16007
			7	20°	00'			
			8	19°	20'			
		14:12	9	18°	35'			16008
				86°	0			
				0	0			
				0	0			16004
				0	0			
				0	0			
				0	0			16005



F. B. 3223 PG. 150 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile
Survey of HYDROGRAPHIC SURVEY Date Date No.
Survey by RICHARDS Notes RF Notes Chkd. Checked X-Sec.
Indexed C. J. GALLI Date Date No.

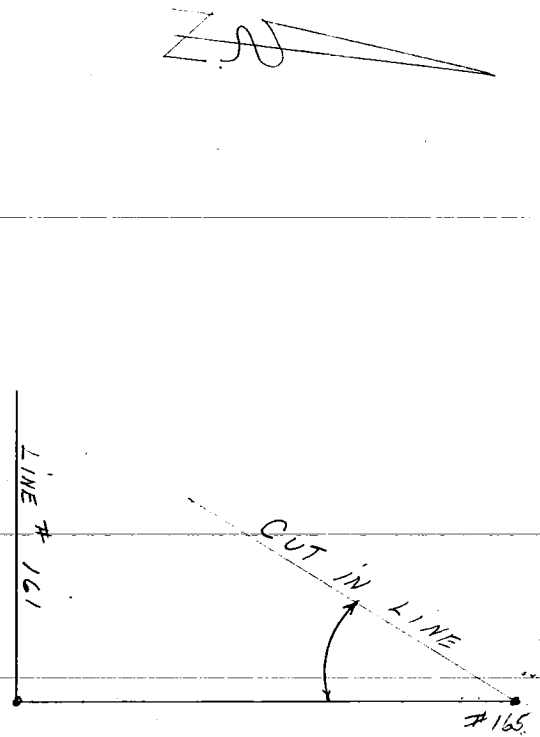
76L298 307 Cdb 12-62

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.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Deg.	Range Line Min.	Card No
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
#165	#161	14:48	1	52°	05'			
			2	51°	00'			
			3	50°	00'			16106
			4	48°	50'			
			5	47°	20'			
			6	45°	45			16107
			7	43°	50'			
			8	40°	05'			
			9	40°	15'			16108
			10	29°	30'			
			11	23°	45'			
			12	17°	35'			16109
		14:53	13	12°	50'			
				0	0			
				0	0			16110
				90	0			
				0	0			
				0	0			16104
				0	0			
				0	0			
				0	0			16105



Profile
Notes Red. Plotted Job No. 03002 Division No. 11 F. B. 3223 Pg. 151
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes RT Date 1-27-66
No. Date Date Map No. Indexed C. GALLI Date

3223 152 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

Survey by RICHARDS Notes RT Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

G. J. GALLI

76L298 307 Gdb 12-62

PLEASE RETURN TO

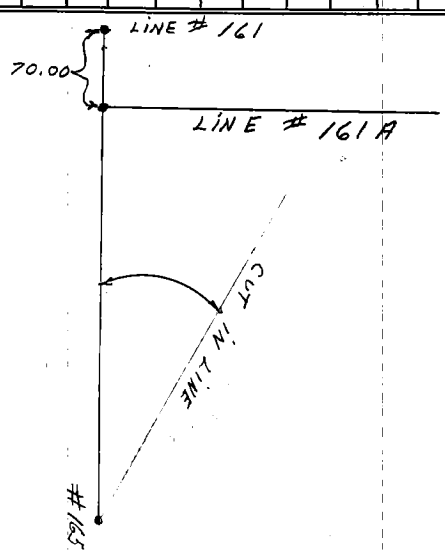
LOS ANGELES COUNTY SURVEYOR

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.

INST. AT DON'T PUNCH	SIGHT ON DON'T PUNCH	TIME DON'T PUNCH	ANGLE No. DON'T PUNCH	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD No.
#165	#161	15:02	1	55°	05'			
			2	54°	25'			
			3	53°	20'			16505
			4	52°	10'			
			5	51°	00'			
			6	48°	30'			16506
			7	44°	10'			
			8	37°	50'			
			9	30°	35'			16507
			10	21°	30'			
			11	14°	10'			
			12	08°	50'			16508
			13	06°	15'			
			14	04°	10'			
		15:05	15	00°	00'			16509
				00	00			
				00	00			
				00	00			16510



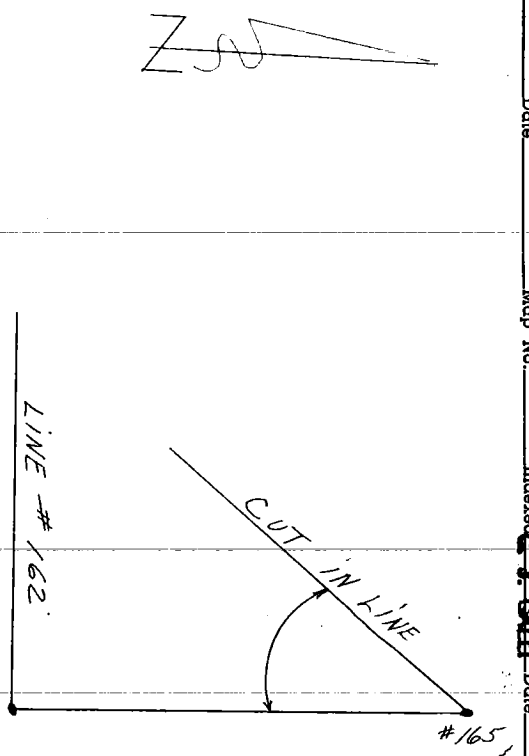
76L298 307 Cdb 12-62

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#165	#161	15:16	1	59°	45'			
			2	59°	20'			
			3	58°	10'			16206
			4	57°	00'			
			5	54°	10'			
			6	49°	50'			16207
			7	43°	30'			
			8	36°	50'			
			9	29°	40'			16208
			10	21°	00'			
			11	13°	25'			
			12	07°	15'			16209
		15:20	13	03°	15'			
				0	0			
				0	0			16210
				90	0			
				0	0			
				0	0			16204
				0	0			
				0	0			
				0	0			16205



Profile Notes Red. Plotted Job No. 0330.02 Division No. 11 F. B. 3223 Pg. 153
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes RT Date 1-27-66
No. Date Date Map No. Indexed G. J. CALL Date

76L298 307 Cdb 12-62

PLEASE RETURN TO
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726 Los Angeles County Engineering Bldg.

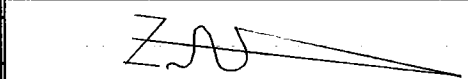
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

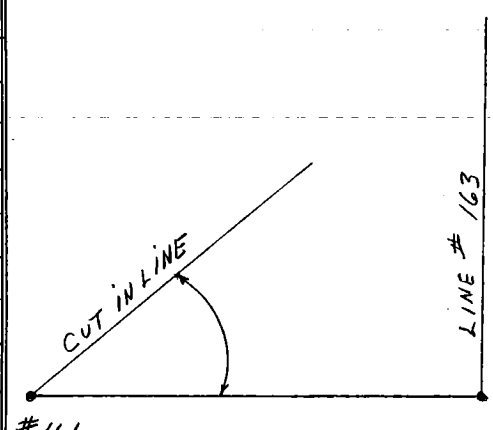
Profile No. X-Sec. No.

Do not extend notes this side of this line.

Inst. At (Don't Punch)	Sight On (Don't Punch)	Time (Don't Punch)	Angle No. (Don't Punch)	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.
#161	#165	9:48	1	67°	15'			
			2	67°	00'			
			3	64°	55'			16306
			4	63°	25'			
			5	61°	30'			
			6	58°	05'			16307
			7	53°	40'			
			8					
			9	40°	50'			
			10	30°	05'			16308
			11	24°	45'			
			12	16°	25'			
			13	10°	10'			16309
		9:53	14	03°	50'			
				0	0			
				0	0			16310
				90	0			
				0	0			
				0	0			16304

F. B. 3223 Pg. 154 Job No. 0300.02 Division No. 11 Notes Red. Plotted
Survey of HYDROGRAPHIC SURVEY Date Date
Survey by PICHARDS Notes RT Notes Chkd. Checked
Indexed G. J. GALLI Date Date Date





1-28-66

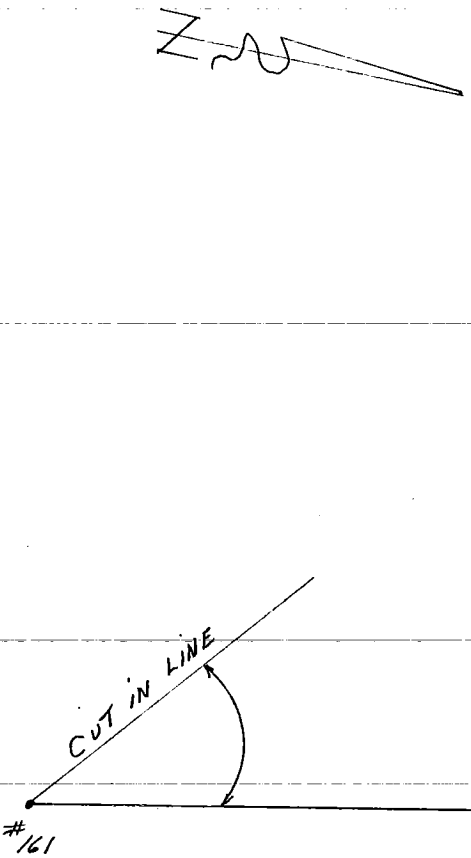
76L298 307 Cdb 12-62

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.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Deg.	Range Min.	Line	Card No
Don't Punch	Don't Punch	Don't Punch	Don't Punch						
#161	#165	9:58	1	56°	10'				
			2	55°	15'				
			3	54°	00'				16406
			4						
			5	49°	30'				
			6	47°	15'				
			7	41°	50'				16407
			8	34°	15'				
			9	24°	35'				
			10	17°	50'				16408
			11	13°	05'				
			12	08°	25'				
			13	05°	25'				16409
		10:02	14	01°	00'				
				0	0				
				0	0				16410
				90	0				
				0	0				
				0	0				16404



Profile
Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 3223 Pg. 135
No. X-Sec. Date Date Survey of HYDROGRAPHIC SURVEY
No. Date Notes Chkd. Checked Survey by RICHARDS Notes RT Date 1-28-66
Date Map No. Indexed C. J. ONEILL Date

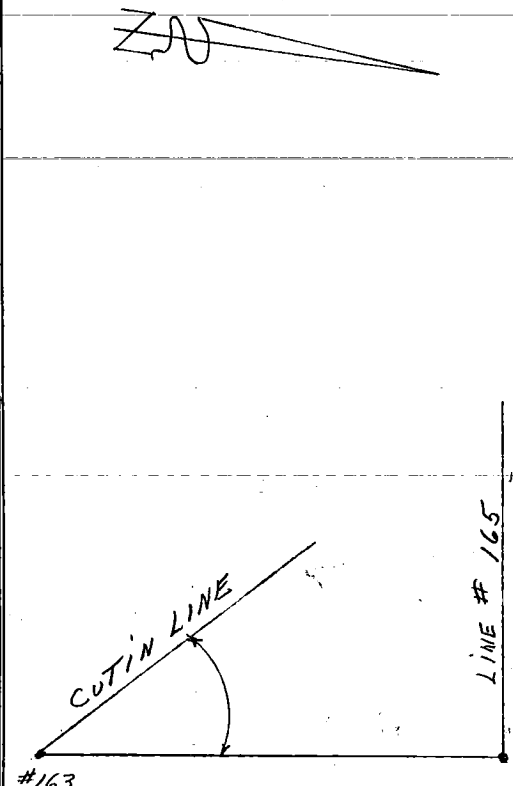
76L298 307 Cdb 12-62

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#163	#165	10:17	1	01°	-60'			
			2	67°	35'			
			3	66°	55'			16506
			4	65°	40'			
			5	64°	40'			
			6	59°	50'			16507
			7	51°	25'			
			8	42°	45'			
			9	34°	50'			16508
			10	24°	25'			
			11	18°	50'			
			12	12°	20'			16509
			13	08°	05'			
		10:21	14	02°	50'			
				0	0			16510
				90°	0			
				0	0			
				0	0			16504
				0	0			
				0	0			
				0	0			16505



F. B. 3223 PG. 156 Job No. 6300.02 Division No. 11 Notes Red. Plotted Profile
Survey of HYDROGRAPHIC SURVEY Date Date No.
Survey by RICHARDS Notes RT Notes Chkd. Checked X-Sec.
Indexed G. J. GALLE Date Date Date No.

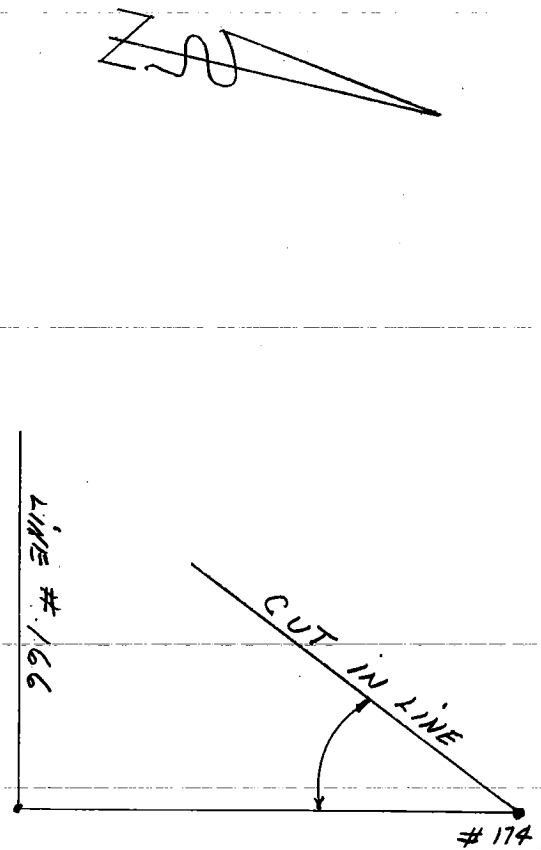
76L298 307 Cdb 12-62

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#174	#161	11:41	1	32°	40'			
			2	32°	10'			
			3	31°	05'			16606
			4	30°	30'			
			5	28°	50'			
			6	25°	30'			16607
			7	20°	45'			
			8	17°	05'			
			9	12°	55'			16608
			10	09°	15'			
			11	07°	25'			
		11:44	12	04°	30'			16609
			13	90	0			
				0	0			
				0	0			16604
				0	0			
				0	0			
				0	0			16605
				0	0			
				0	0			
				0	0			16610



Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. 11 F.B. 3223 PG. 157
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes RT Date 1-28-66
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76L298 307 Cdb 12-62

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726 Los Angeles County Engineering Bldg.

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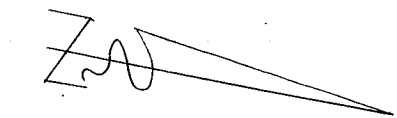
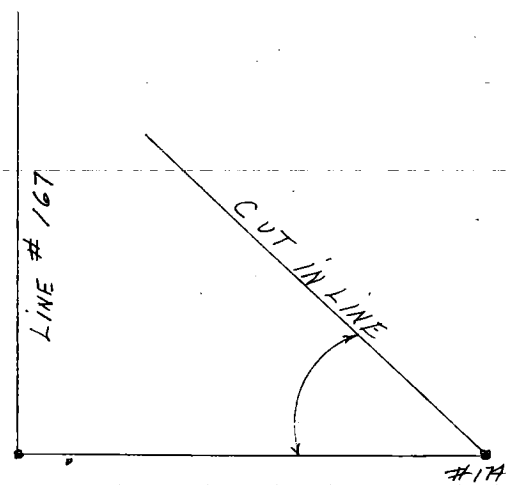
Do not extend notes this side of this line.

Profile No. X-Sec. No.
Plotted Date Checked Date
Notes Red. Date Notes Chkd. Date
Division No. // Job No. 0330.02- Notes RT Date
F. B. 3223 Pg. 158
Survey of HYDROGRAPHIC SURVEY
Survey by RICHARDS
Indexed G. J. GALLI

Inst. At (Don't Punch)	Sight On (Don't Punch)	Time (Don't Punch)	Angle No. (Don't Punch)	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.
#174	#161	11:49	1	35°	05'			
			2	34°	30'			
			3	32°	40'			16706
			4	29°	10'			
			5	25°	25'			
			6	19°	50'			16707
			7	13°	40'			
			8	10°	00'			
			9	07°	25'			16708
			10	04°	50'			
			11	03°	20'			
		11:53	12	00°	40'			16709
				0	0			
				0	0			
				0	0			16710
				90°	0			
				0	0			
				0	0			16704
				0	0			
				0	0			
				0	0			16705





76L298 307 Cdb 12-62

PLEASE RETURN TO
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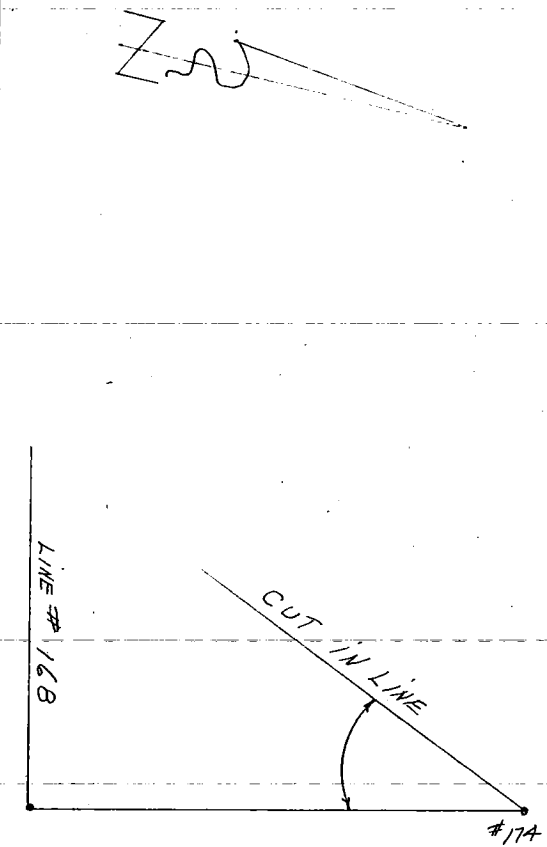
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#174	#161	13:26	1	38°	35'			
			2	38°	05'			
			3	36°	00'			16806
			4	31°	50'			
			5	26°	20'			
			6	20°	20'			16807
			7	14°	00'			
			8	06°	30'			
			9	03°	20'			16808
		13:29	10	00°	40'			
				0	0			
				0	0			16809
				90	0			
				0	0			
				0	0			16804
				0	0			
				0	0			
				0	0			16805
				0	0			
				0	0			
				0	0			16810



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3223 Pg. 159
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes RT Date 1-28-66
No. ____ Date ____ Date ____ Map No. ____ Indexed G. S. GALLI Date ____

76L298 307 Cdb 12-62

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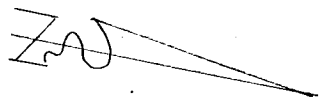
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

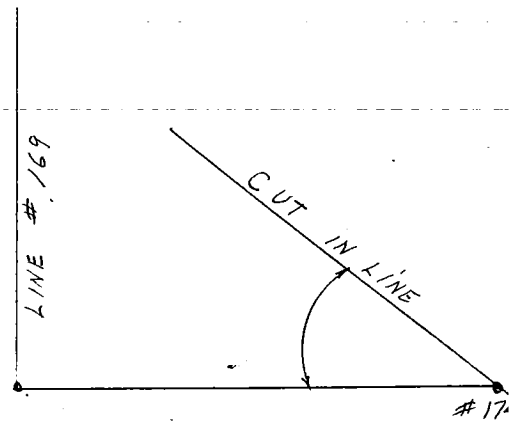
Profile No. X-Sec. No.

F. B. 3223 Pg. 160 Job No. 0704.0 Division No. 11 Notes Red. Plotted
Survey of HYDROGRAPHIC SURVEY Date Date
Survey by RICHARDS Notes RT Notes Chkd. Checked
Indexed G. J. GALLI Date Date Date

Do not extend notes this side of this line.

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No. Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.
#174	#161	13:32	1	43°	45'			
			2	43°	00'			
			3	41°	45'			16906
			4	38°	50'			
			5	34°	05'			
			6	28°	50'			16907
			7	21°	00'			
			8	13°	20'			
			9	07°	10'			16908
			10	03°	35'			
		13:35	11	00°	50'			
				0	0			16910
				0	0			
				0	0			
				0	0			16911
				90°	0			
				0	0			
				0	0			16904
				0	0			
				0	0			
				0	0			16905





76L298 307 Cdb 12-62

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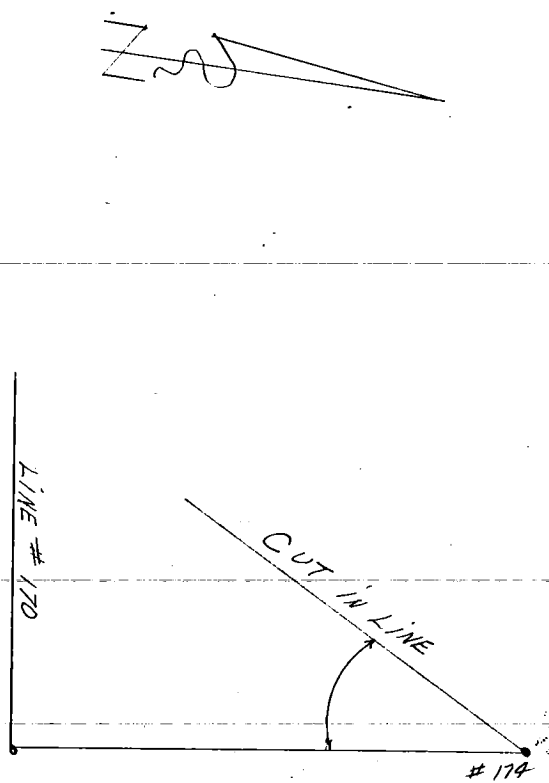
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#174	#161	13:37	1	01°	-60'			
			2	02°	30'			
			3	08°	00'			17006
			4	15°	35'			
			5	22°	40'			
			6	29°	35'			17007
			7	34°	20'			
			8	38°	20'			
			9	42°	30'			17008
			10	46°	50'			
			11	49°	30'		882	
ON W. ELK HD. LINE		13:41	12	00	00			17009
				90°	00			
				0	0			
				0	0			17004
				0	0			
				0	0			
				0	0			17005
				0	0			
				0	0			
				0	0			17010



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3223 PG. 161
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes RT Date 1-28-66
No. ____ Date ____ Date ____ Map No. ____ Indexed S. J. GALLI Date ____

76L298 307 Cdb 12-62

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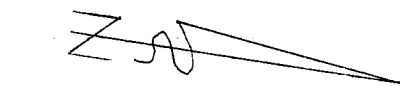
726 Los Angeles County Engineering Bldg.

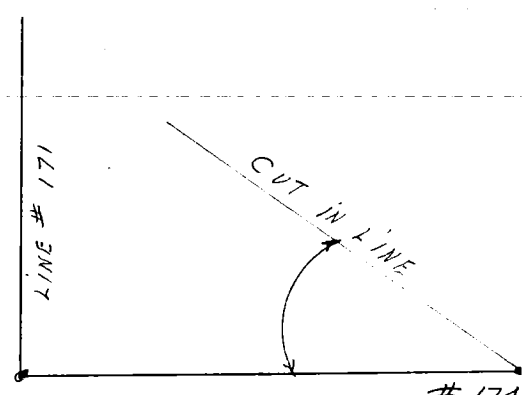
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

Profile No. X-Sec. No.
Plotted Date Checked Date
Notes Red. Date Notes Chkd. Date
Division No. 11 Job No. 0300.52
F. B. 3223 Pg. 162
Survey of HYDROGRAPHIC SURVEY Notes RT
Survey by RICHARDS
Indexed C. J. [illegible]

Inst. At (Don't Punch)	Sight On (Don't Punch)	Time (Don't Punch)	Angle No. (Don't Punch)	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only: Range Deg.	Range Line Min.	Card No.
#174	#161	13:44	1	58°	35'			
			2	57°	40'			
			3	55°	50'			17106
			4	52°	50'			
			5	51°	30'			
			6	46°	45'			17107
			7	38°	50'			
			8	29°	00'			
			9	17°	30'			17108
			10	06°	10'			
ON E. BLKHD LINE		13:48	11	0	0			
				0	0			17109
				90°	0			
				0	0			
				0	0			17104
				0	0			
				0	0			
				0	0			17105
				0	0			
				0	0			
				0	0			17110





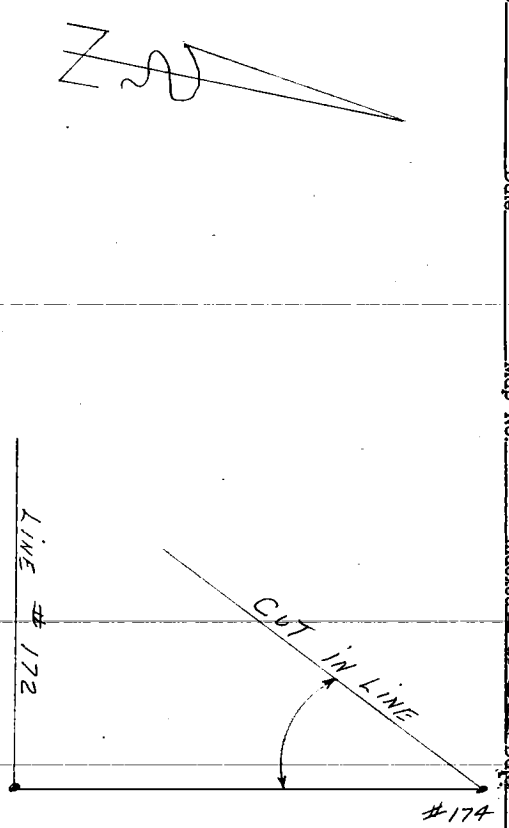
76L298 307 Cdb 12-62

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#174	#161	13:51	1	01°	-60'			
			2	03°	40'			
			3	09°	50'			17206
			4	25°	35'			
			5	37°	10'			
			6	45°	40'			17207
			7	53°	10'			
			8	58°	20'			
			9	62°	05'			17208
			10	65°	50'			
			11	66°	50'			
		13:54	12	68°	40'			17209
				0	0			
				0	0			
				0	0			17210
				90°	0			
				0	0			
				0	0			17204
				0	0			
				0	0			
				0	0			17205



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3223 PG. 163
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes RT Date 1-28-66
No. ____ Date ____ Date ____ Map No. ____ Indexed G. J. GALLI Date ____

76L298 307 Cdb 12-62

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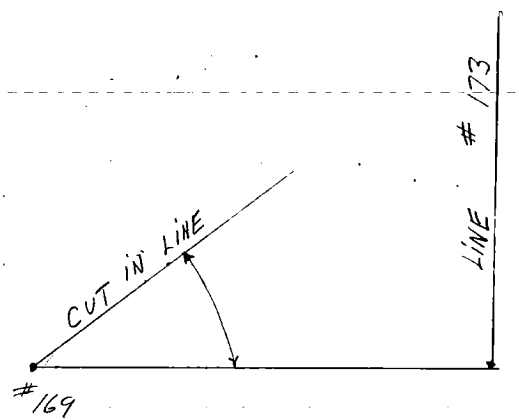
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#169	#186	14:11	1	51°	05'			
			2	50°	00'			
			3	48°	40'			17306
			4	47°	35'			
			5	46°	15'			
			6	43°	45'			17307
			7	38°	50'			
			8	33°	20'			
			9	26°	10'			17308
			10	18°	40'			
			11	11°	10'			
			12	06°	35'			17309
			13	03°	45'			
		14:14	14	00°	55'			
				0	0			17310
				90°	0			
				0	0			
				0	0			17304
				0	0			
				0	0			
				0	0			17305



Profile No. X-Sec. No.

Plotted Date Checked Date

Notes Red. Date Notes Chkd. Date

Division No. 11 Job No. 0300.02

Fig. 164

Survey of HYDROGRAPHIC SURVEY

Survey by RICHARDS Notes RT

Indexed G. J. GALLI Date

3223

76L298 307 Cdb 12-62

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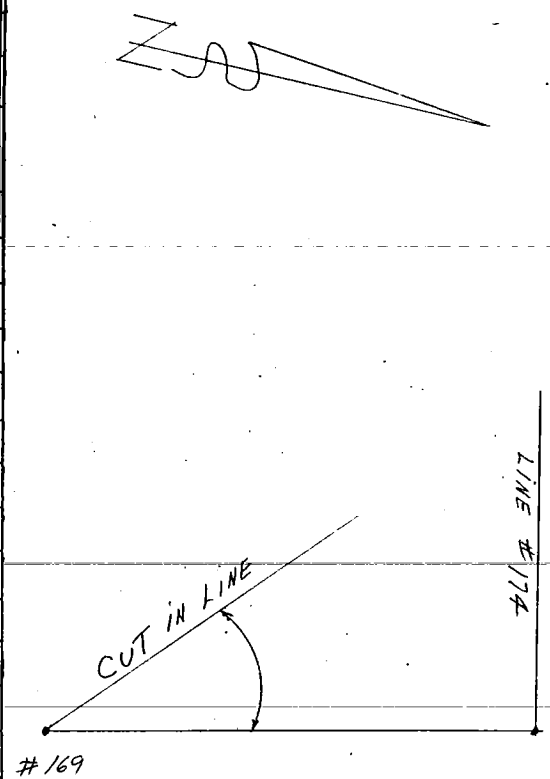
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#169	#186	14:18	1	45°	00'			
			2	43°	45'			
			3	42°	10'			17406
			4	37°	10'			
			5	31°	50'			
			6	27°	40'			17407
			7	20°	35'			
			8	15°	45'			
			9	08°	35'			17408
			10	03°	40'			
		14:21	11	00°	40			
				0	0			17409
				90	0			
				0	0			
				0	0			17404
				0	0			
				0	0			
				0	0			17405
				0	0			
				0	0			
				0	0			17410



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F.B. 3223 PG. 165
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes RT Date 1-28-66
No. Date Date Map No. Indexed C. J. GALLI Date

76L298 307 Cdb 12-62

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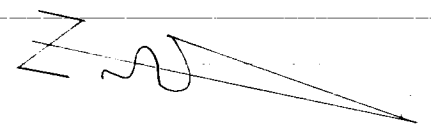
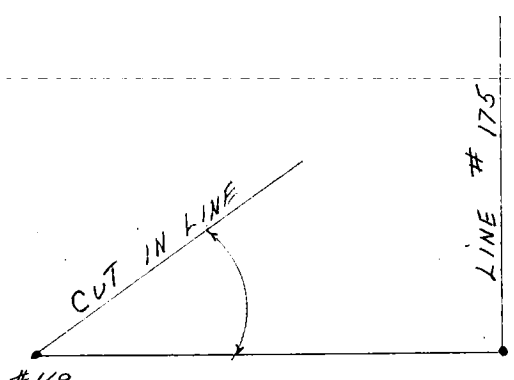
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#169	#186	14:25	1	38°	35'			
			2	37°	30'			
			3	34°	45'			17506
			4	32°	30'			
			5	28°	10'			
			6	24°	20'			17507
			7	21°	00'			
			8	15°	40'			
			9	08°	50'			17508
			10	03°	25'			
ON E. BLKHD LINE		14:28	11	0	0			
				0	0			17509
				0	0			
				0	0			
				0	0			17510
				90°	0			
				0	0			
				0	0			17504
				0	0			
				0	0			
				0	0			17505





F. B. 3223 PG. 166 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile
Survey of HYDROGRAPHIC SURVEY Date Date No. X-Sec.
Survey by RICHARDS Notes RT Notes Chkd. Checked
Indexed C. J. GALLI Date Date No.

76L298 307 Cdb 12-62

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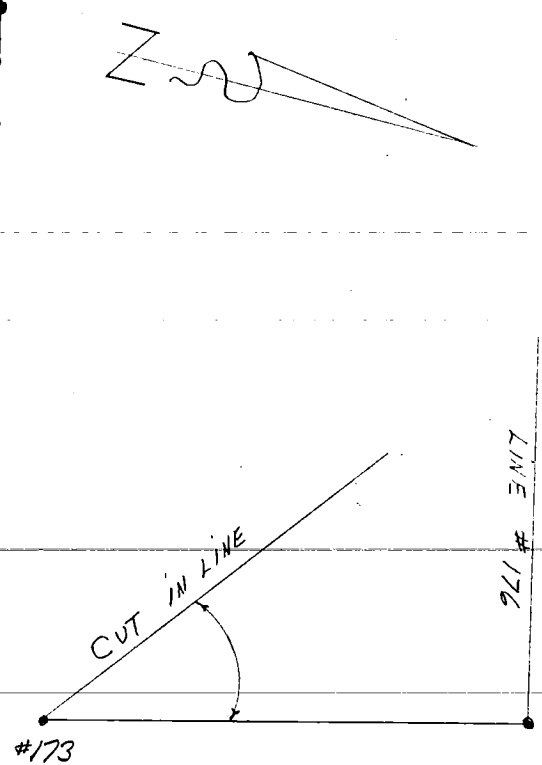
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#173	#186	14:56	1	01°	60'			
			2	03°	40'			
			3	11°	20'			17606
			4	21°	15'			
			5	30°	05'			
			6	38°	40'			17607
			7	44°	45'			
			8	47°	20'			
			9	49°	30'			17608
			10	53°	30'			
			11	57°	15'			
			12	58°	50'			17609
W. BLKHD. LINE		15:00	13	0	0			
				0	0			
				0	0			17610
				90°	0			
				0	0			
				0	0			17604
				0	0			
				0	0			
				0	0			17605



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3223 Pg. 167
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes R T Date 1-28-66
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____
C. J. GALLI

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Profile No. X-Sec. No.

Plotted Date Checked Date

Notes Red. Date Notes Chkd. Date

Division No. 11 Job No. 0300.02

Survey of HYDROGRAPHIC SURVEY Notes RT

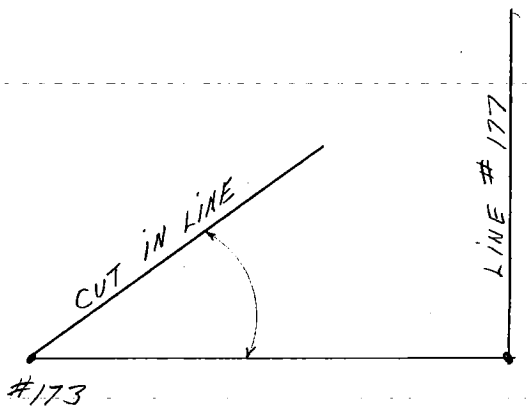
Survey by RICHARDS Date

Indexed G. I. GALLI

P. B. 3223 PG. 168

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#173	#186	15:02	1	01°	-60'			
			2	51°	10'			
			3	49°	45'			17706
			4	48°	00'			
			5	47°	45'			
			6	42°	20'			17707
			7	37°	35'			
			8	29°	25'			
			9	21°	35'			17708
			10	15°	40'			
			11	07°	50'			
ON E. BLKHD LINE		15:05	12	0	0			17709
				0	0			
				0	0			
				0	0			17710
				90°	0			
				0	0			
				0	0			17704
				0	0			
				0	0			
				0	0			17705



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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.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Deg.	Range Line Min.	Card No
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
#173	#186	15:08	1	01°	60'			
			2	02°	20'			
			3	09°	05'			17806
			4	17°	05'			
			5	23°	20'			
			6	29°	20'			17807
			7	33°	45'			
			8	37°	10'			
			9	41°	50'			17808
			10	44°	25'			
			11	45°	30'			
		15:12	12	46°	15'			17809
				0	0			
				0	0			
				0	0			17810
				90°	0			
				0	0			
				0	0			17804
				0	0			
				0	0			
				0	0			17805

Profile Notes Red. Plotted Job No. 6300.01 Division No. 11 F. B. 3223 Pg. 167
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by PHARRIS Notes RT Date 1-28-66
No. Date Date Map No. Indexed J. J. CALL Date

76L298 307 Cdb 12-62

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726 Los Angeles County Engineering Bldg.

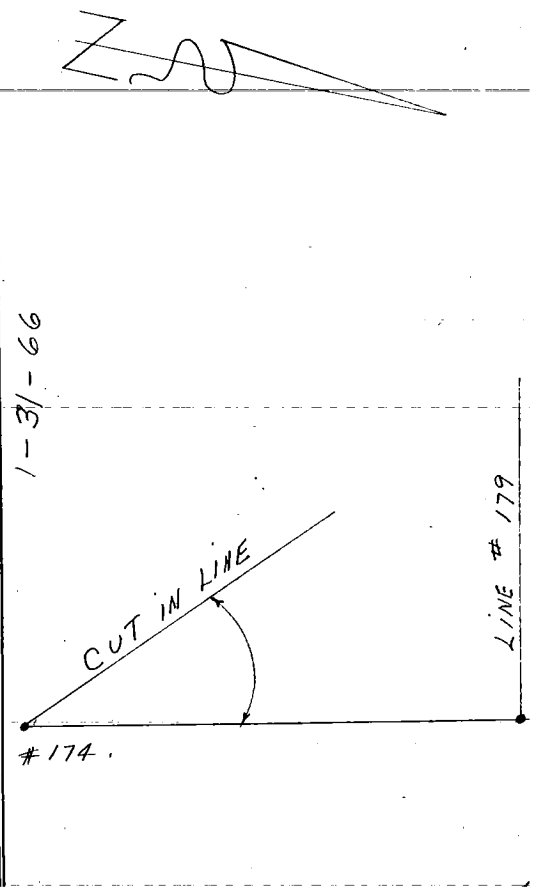
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

Profile No. X-Sec. No.
Plotted Date Checked Date
Notes Red. Date Notes Chkd. Date
Division No. 11 Survey
Job No. 0301.02 Notes RT Date
F. B. 3223 Pg. 170
Survey of HYDROGRAPHIC
Survey by RICHARDS
Indexed

Inst. At (Don't Punch)	Sight On (Don't Punch)	Time (Don't Punch)	Angle No. (Don't Punch)	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.
#174	#186	10:11	1	00°	35'			
			2	01°	25'			
			3	02°	50'			17906
			4	07°	15'			
			5	12°	45'			
			6	20°	10'			17907
			7	26°	15'			
			8	32°	05'			
			9	37°	50'			17908
			10	41°	50'			
			11	44°	10'			
			12	46°	30'			17909
		10'15	13	46°	45'			
				0	0			
				0	0			17910
				90°	0			
				0	0			
				0	0			17904
				0	0			
				0	0			
				0	0			17905

1-31-66

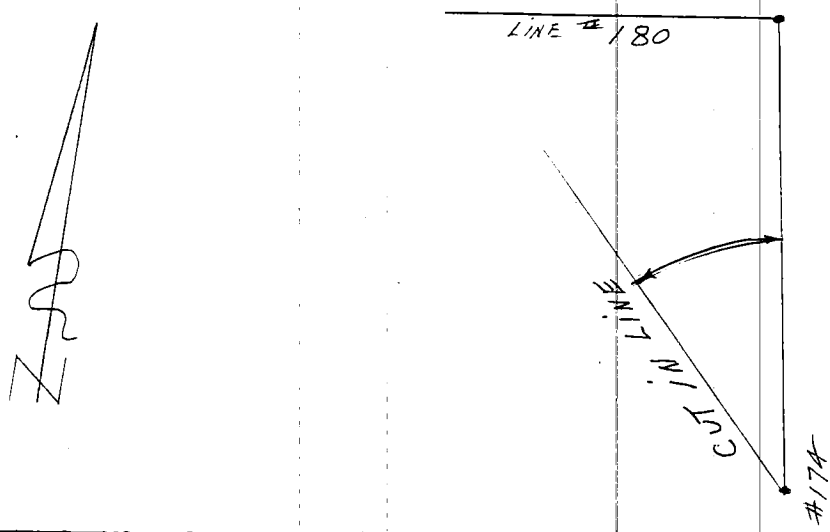


Profile No. _____ Notes Red. _____ Plotted _____ Job No. 0300.02 Division No. 11 | F. B. 3223 PG. 171

Date _____ Date _____ Survey of HYDROGRAPHIC SURVEY

X-Sec. No. _____ Notes Chkd. _____ Checked _____ Survey by RICHARDS Notes RT Date 1-31-66

Date _____ Date _____ Map No. _____ Indexed [illegible] 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 SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#174	#186	10:40	1	ON INEST BLK HEAD LINE 40°	55'			
			2	38°	15'			
			3	LOST	RADIO			
			4	CONTACT				
			5	22°	40'			18006
			6	15°	35'			
			7	08°	35'			
			8	02°	40'			18007
		10:44	9	00°	35'			
				0	0			
				0	0			18008
				0	0			
				0	0			
				0	0			18009
				90°	0			
				0	0			
				0	0			18004
				0	0			
				0	0			
				0	0			18005

76L298 307 Cdb 12-62

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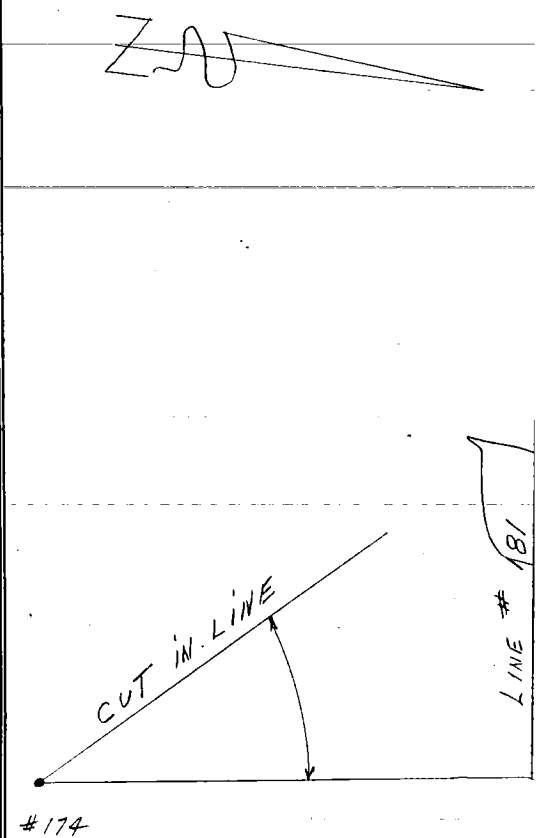
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#174	#186	10:50	1	ON EAST 01°	BULKHD. LINE -60'			
			2	01°	00'			
			3	06°	00'			18106
			4	11°	30'			
			5	17°	10'			
			6	22°	10'			18107
			7	26°	00'			
			8	29°	30'			
			9	31°	45'			18108
		10:53	10	34°	00'			
				0	0			
				0	0			18109
				0	0			
				0	0			
				0	0			18110
				90	0			
				0	0			
				0	0			18104
				0	0			
				0	0			
				0	0			18105



F. B. 3223 PG. 172 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile
Survey of HYDROGRAPHIC SURVEY Date Date No. X-Sec.
Survey by RICHARDS Notes RT Notes Chkd. Checked
Indexed C. J. GALLI Date Date No.

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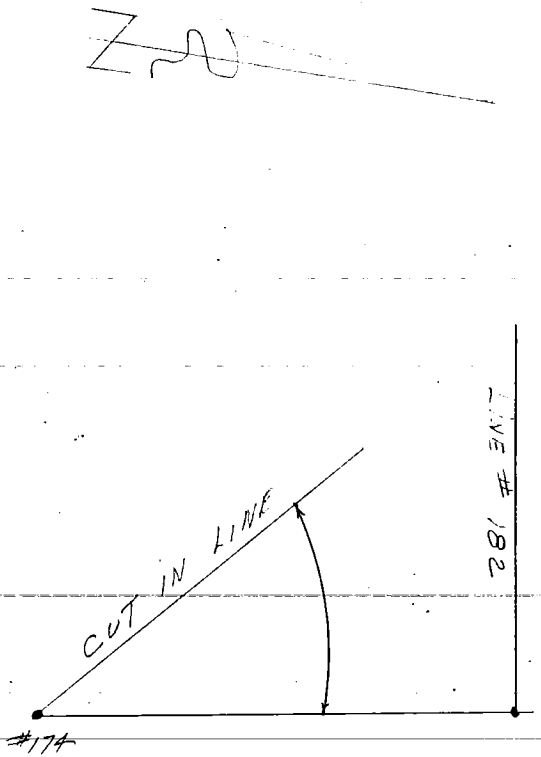
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#174	#186	10:59	1	01°	-60'			
			2	00°	55'			
			3	05°	00'			18206
			4	10°	35'			
			5	15°	45'			
			6	20°	15'			18207
			7	24°	05'			
			8	27°	40'			
			9	29°	15'			18208
		11:02	10	30°	40'			
				0	0			
				0	0			18209
				0	0			
				0	0			
				0	0			18210
				90	0			
				0	0			
				0	0			18204
				0	0			
				0	0			
				0	0			18205



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 3223 Pg. 173
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes RT Date 1-31-66
No. Date Date Map No. Indexed C. J. GALLI Date

76L298 307 Cdb 12-62

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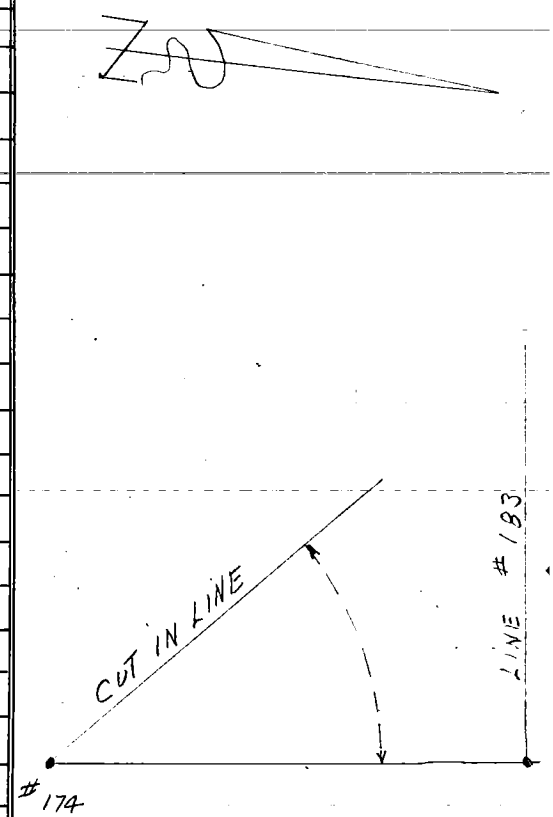
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#174	#186	11:18	1	01°	-60'			
			2	01°	50'			
			3	05°	30'			18306
			4	10'	15'			
			5	14°	00'			
			6	18°	15'			18307
			7	22°	10'			
			8	25°	45'			
			9	27°	15'			18308
		11:22	10	28°	00'			
				0	0			
				0	0			18309
				0	0			
				0	0			
				0	0			18310
				90°	0			
				0	0			
				0	0			18304
				0	0			
				0	0			
				0	0			18305



Profile No. X-Sec. No.
Plotted Date
Checked Date
Notes Red. Date
Notes Chkd. Date
Division No. 11
Job No. 0300.02
Survey of HYDROGRAPHIC SURVEY
Survey by RICHARDS Notes RT
Indexed C. J. GALLI Date
Fig. 174
P.B. 3223

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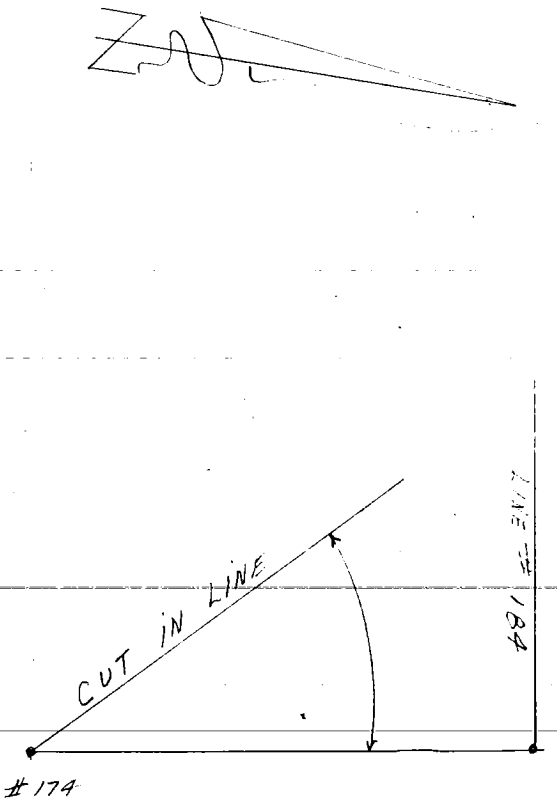
726 Los Angeles County Engineering Bldg.

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.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Min.	For Office Use Only Range Deg.	Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
#174	#186	11:26	1	00°	30'			
			2	00°	45'			
			3	01°	45'			18406
			4	04°	40'			
			5	08°	00'			
			6	12°	30'			18407
			7	18°	20'			
			8	20°	50'			
			9	23°	50'			18408
		11:29	10	25°	40'			
				0	0			
				0	0			18409
				90°	0			
				0	0			
				0	0			18404
				0	0			
				0	0			
				0	0			18405
				0	0			
				0	0			
				0	0			18410



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F.B. 3223 Pg. 175
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes RT Date 1-31-66
No. Date Date Map No. Indexed R. I. GALU Date

76L298 307 Cdb 12-62

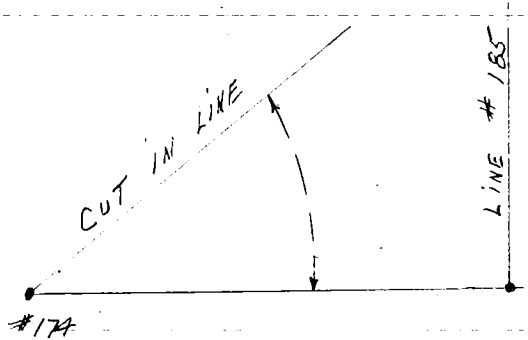
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 No. X-Sec. No.
Plotted Date Checked Date
Notes Red. Date Notes Chkd. Date
F. B. 3223 Pg. 176 Job No. 0300.32 Division No. 11 Notes RT
Survey of HYDROGRAPHIC SURVEY
Survey by RICHARD C. J. GALLI Date
Indexed

Inst. At (Don't Punch)	Sight On (Don't Punch)	Time (Don't Punch)	Angle No. (Don't Punch)	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.
#174	#186	11:32	1	01°	-25'			
			2	01°	10'			
			3	01°	40'			18506
			4	05°	30'			
			5	06°	40'			
			6	14°	50'			18507
			7	19°	10'			
			8	22°	30'			
		11:35	9	23°	40'			18508
				0	0			
				0	0			
				0	0			18504
				0/0°	0			
				0	0			
				0	0			18505
				0	0			
				0	0			
				0	0			18509



76L298 307 Cdb 12-62

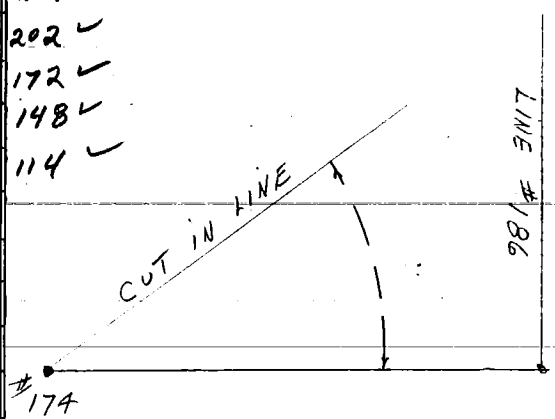
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
#174	#186	11:38	1	ON W EST 23°	BULK HEAD LINE 25'			
			2	21°	50'			
			3	18°	45'			18606
			4	15°	05'			
			5	15°	40'			
			6	09°	25'			18607
			7	06°	40'			
			8	05°	40'			
			9	05°	00'			18608
			10	04°	15'			
			11	03°	40'			
		11:42	12	02°	50'			18609
				0	0			
				0	0			
				0	0			18610
				90°	0			
				0	0			
				0	0			18604
				0	0			
				0	0			
				0	0			18605

Dist.
1000
925
783
622
561
383
270
229
202
172
148
114



Profile Notes Red. Plotted Job No. Division No. 11 F. B. 3223 PG. 177
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes RT Date 1-31-66
No. Date Date Map No. Indexed C. J. GALLI Date

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

Survey of MARINA DEL REY
JN 030002 Tape — Std — °F
Surveyed by W. A. RICHARDS
Notes W. A. R. Date 2-69
Indexed C. J. GALLI NOV 16 69

F.B. 3223 Pg. 179

JN 030002

MARINA DEL REY

BASIN "D"

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.

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

7613098 CE#310 9-67

F.B 3223 PG 180

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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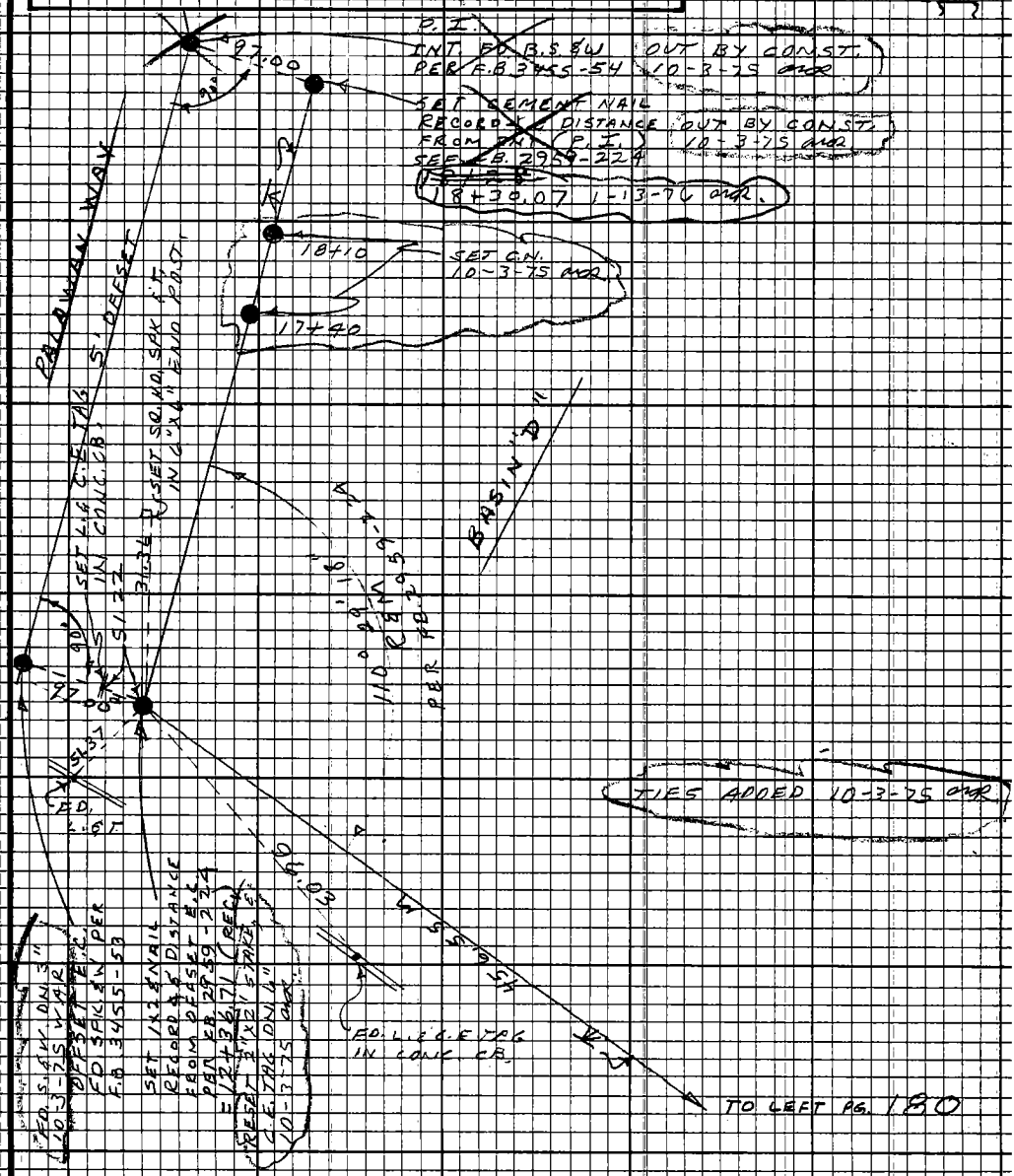
Note: Any Additions or Changes on this Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of M.D.R. BASIN "D"
Map No.	JN 0300.02 Tape — Std — °F
Office Work	Surveyed by W.A. RICHARDS
Checked	Notes W.A.R & D.W. Date 2-69
Date	Indexed C. J. GALLI

F.B. 3223 PG. 18



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

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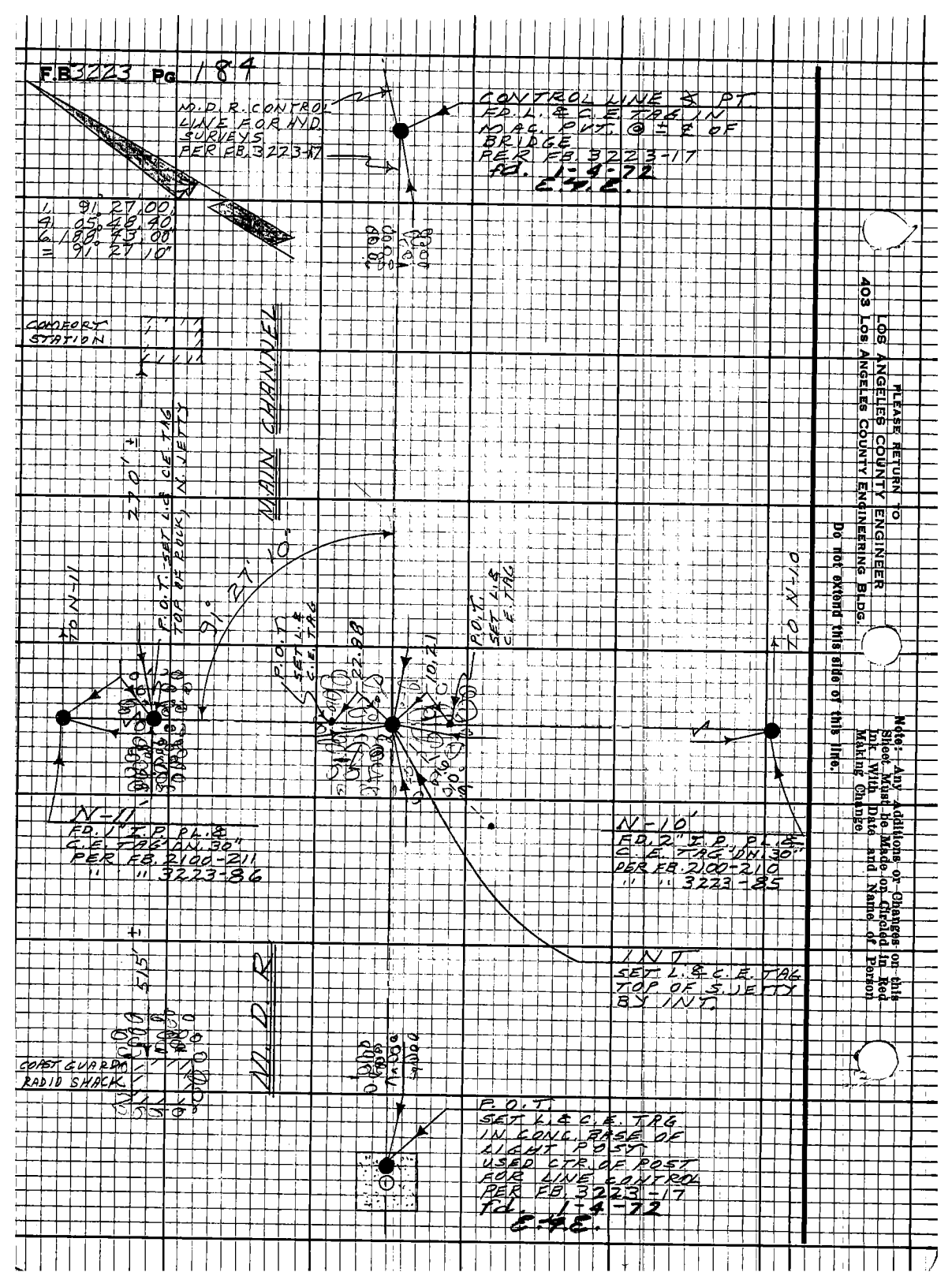
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3098 CE#310 9-67

F.B. 3223 Pg. 184



LOS ANGELES COUNTY ENGINEER
403 Los Angeles County Engineering Bldg.

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

Notes Ck'd by	Survey of HYDROGRAPHIC SURVEYS
Map No.	JN 030002 Tape 0249 Std 68 °F
Office Work	Surveyed by W. A. RICHARDS
Checked	Notes W. A. R. Date 3-69
Date	Indexed C. J. GALLI NOV 16 '69

F.B. 3223 PG. 183

J.N. 030002

HYDROGRAPHIC SURVEYS

SURVEY CONTROL TIE BETWEEN THE COASTAL CONTROL LINE AND THE MARINA DEL REY HYDROGRAPHIC SURVEYS CONTROL

COASTAL CONTROL SURVEYS REF: FB 2100-210, 211
" " " " " 3223-79 TO 88

RICHARDS BAZEN
WILKS BUSTRUM
SOPER
BANKSON
TULLIER

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

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PLEASE RETURN TO
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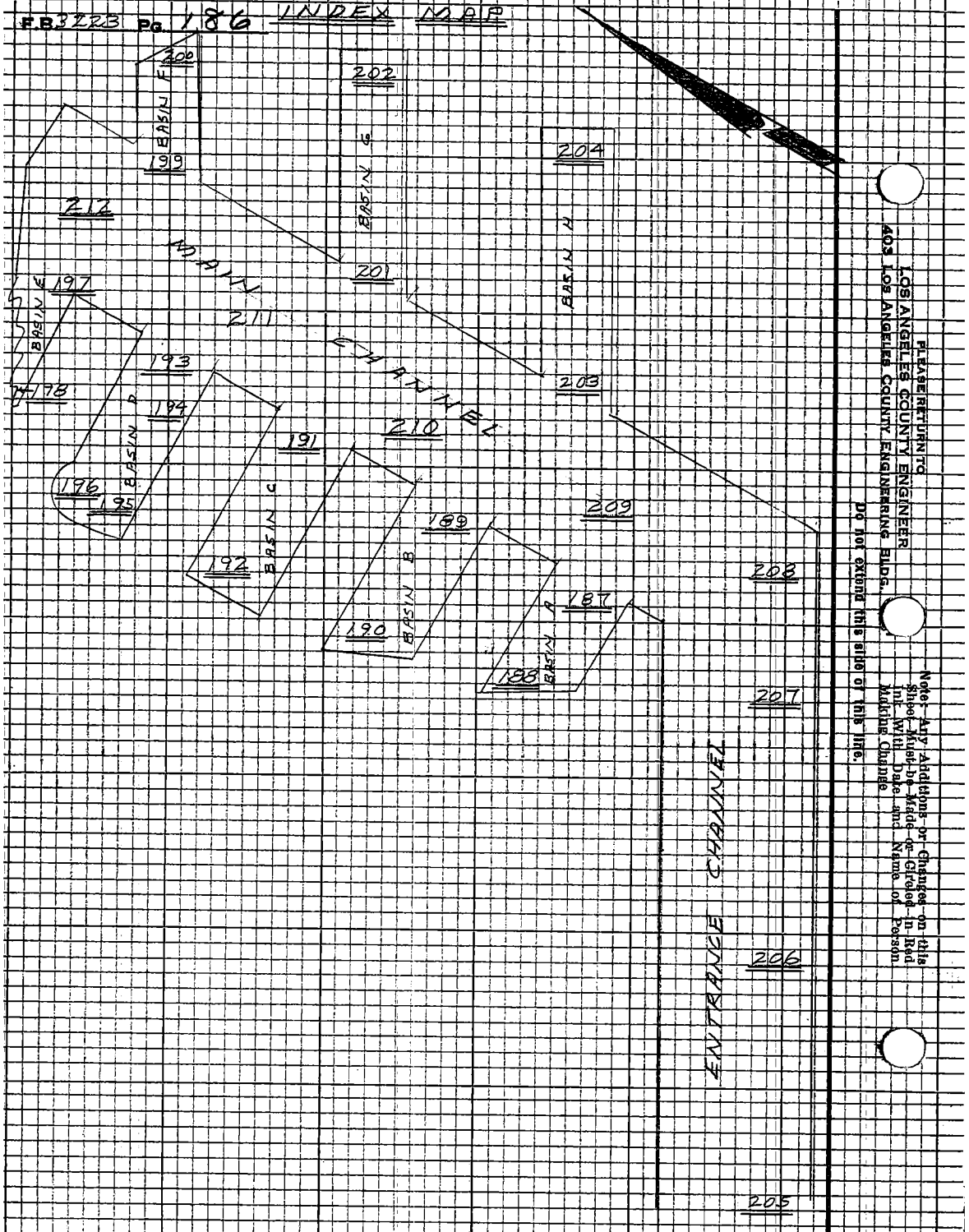
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3C98 CE#310 9-67

F.B. 3223 Pg. 186

INDEX MAP



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403 Los Angeles County Engineering Bldg.

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

Notes Ck'd by	Survey of MARINA DEL REY
Map No.	JN0300.02 Tape — Std — °F
Office Work	Surveyed by W. A. RICHARDS
Checked	Notes W. A. R. Date 3-69
Date	Indexed C. J. GALLI 1 6 '69

F.B. 3223 Pg. 185

J. N. 0300.02

HYDROGRAPHIC SURVEYS

MARINA DEL REY

REVISED RANGE LINES IN BASINS A TO H, INC.

PREVIOUS CONTROL REF: F.B. 3223 PG. 5-18, INC.

RICHARDS

WILKS

SOPER

BANKSON

TULLIER

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76P309S CE #310 5-66

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LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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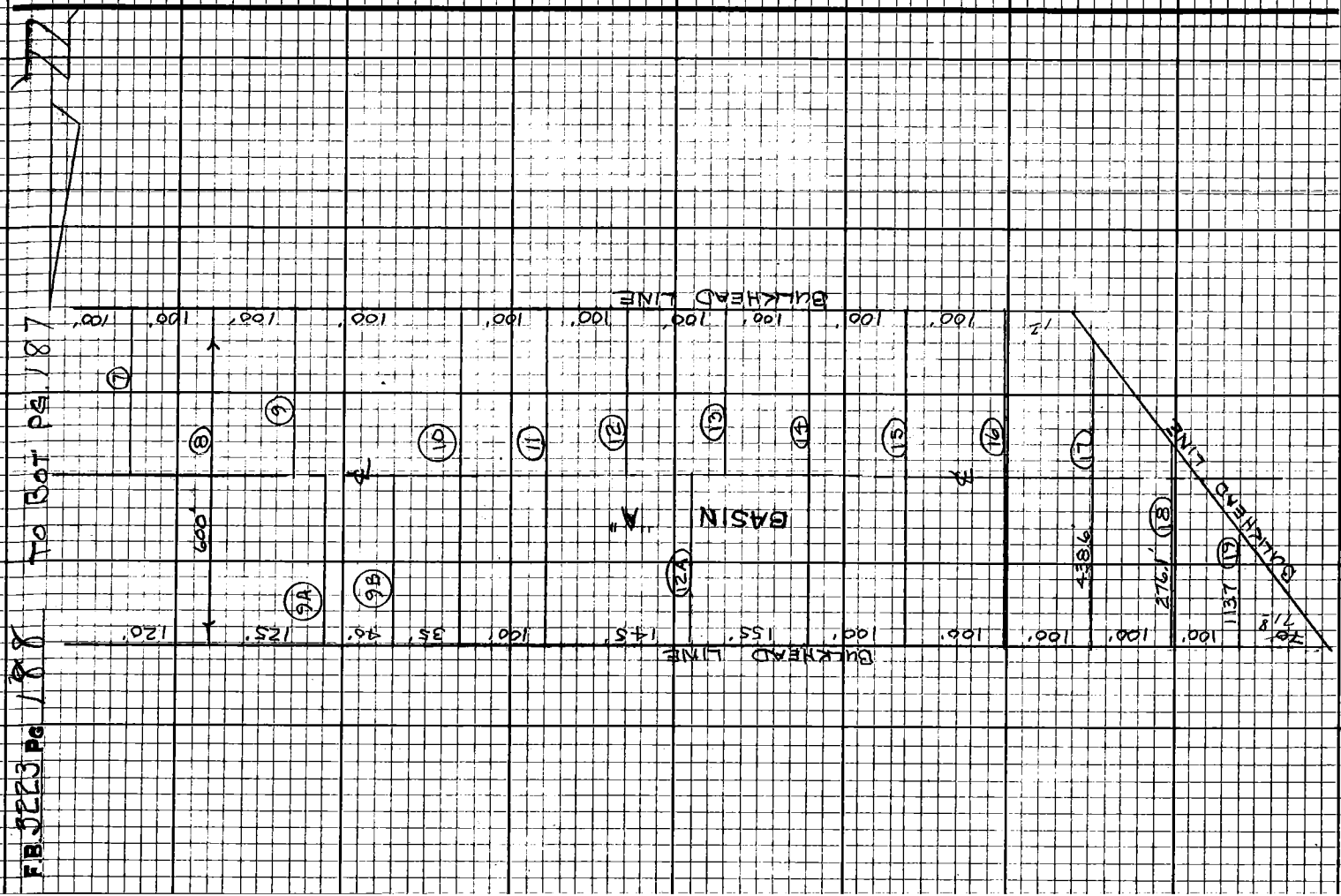
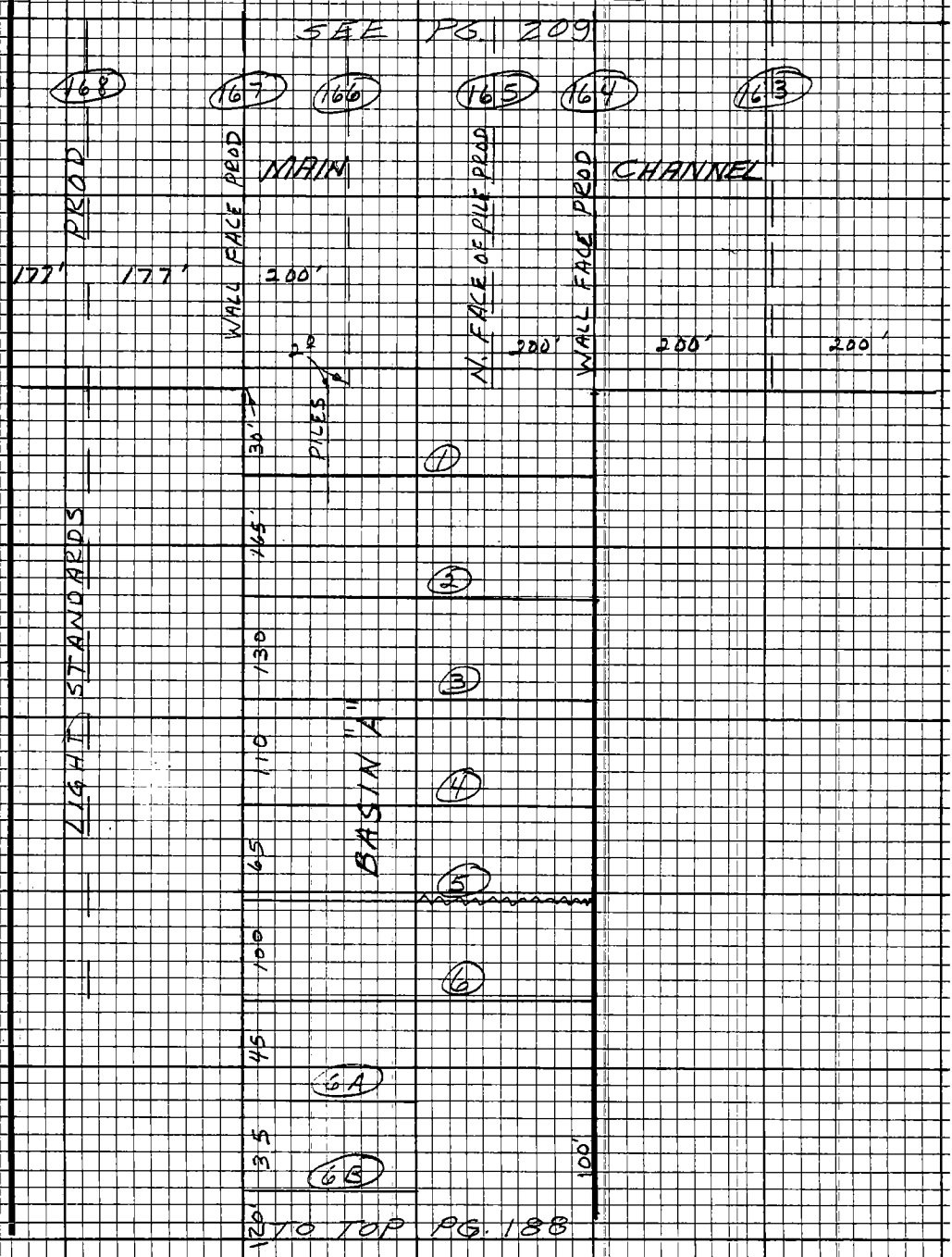
Do not extend this side of this line.



Notes Ck'd by	Survey of MARINA DEL REY
Map No.	JN 030002 Tape — Sta. °F
Office Work	Surveyed by W. A. RICHARDS
Checked	Notes D. L. W. Date 3-69
Date	Indexed C. J. GALLI

F.B. 3223 PG. 187



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

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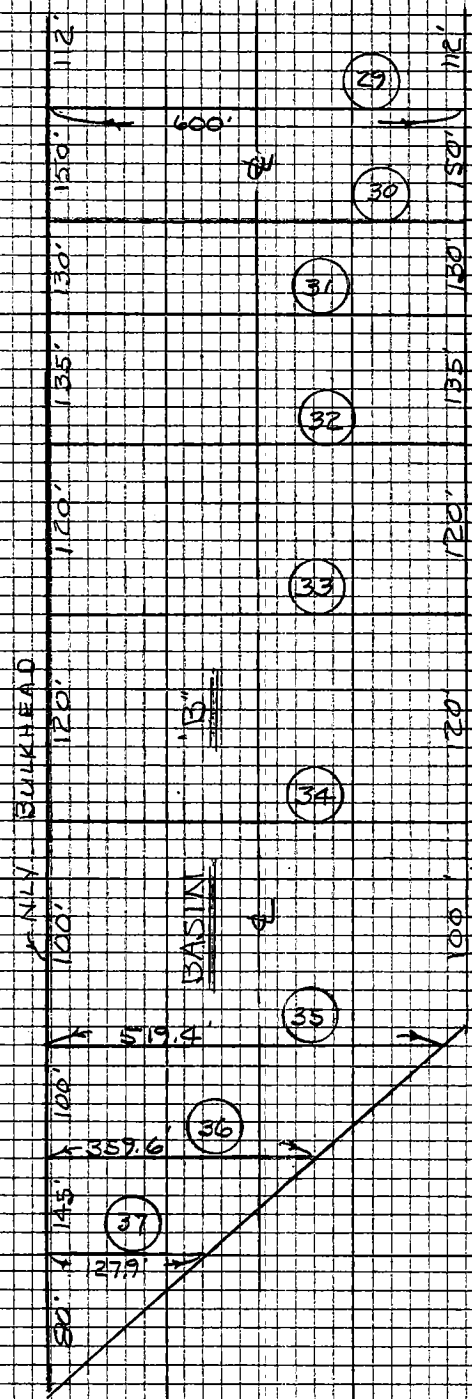
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3098 CE# 310 9-67

F.B. 3223 PG. 190 TO BOT PG. 189



PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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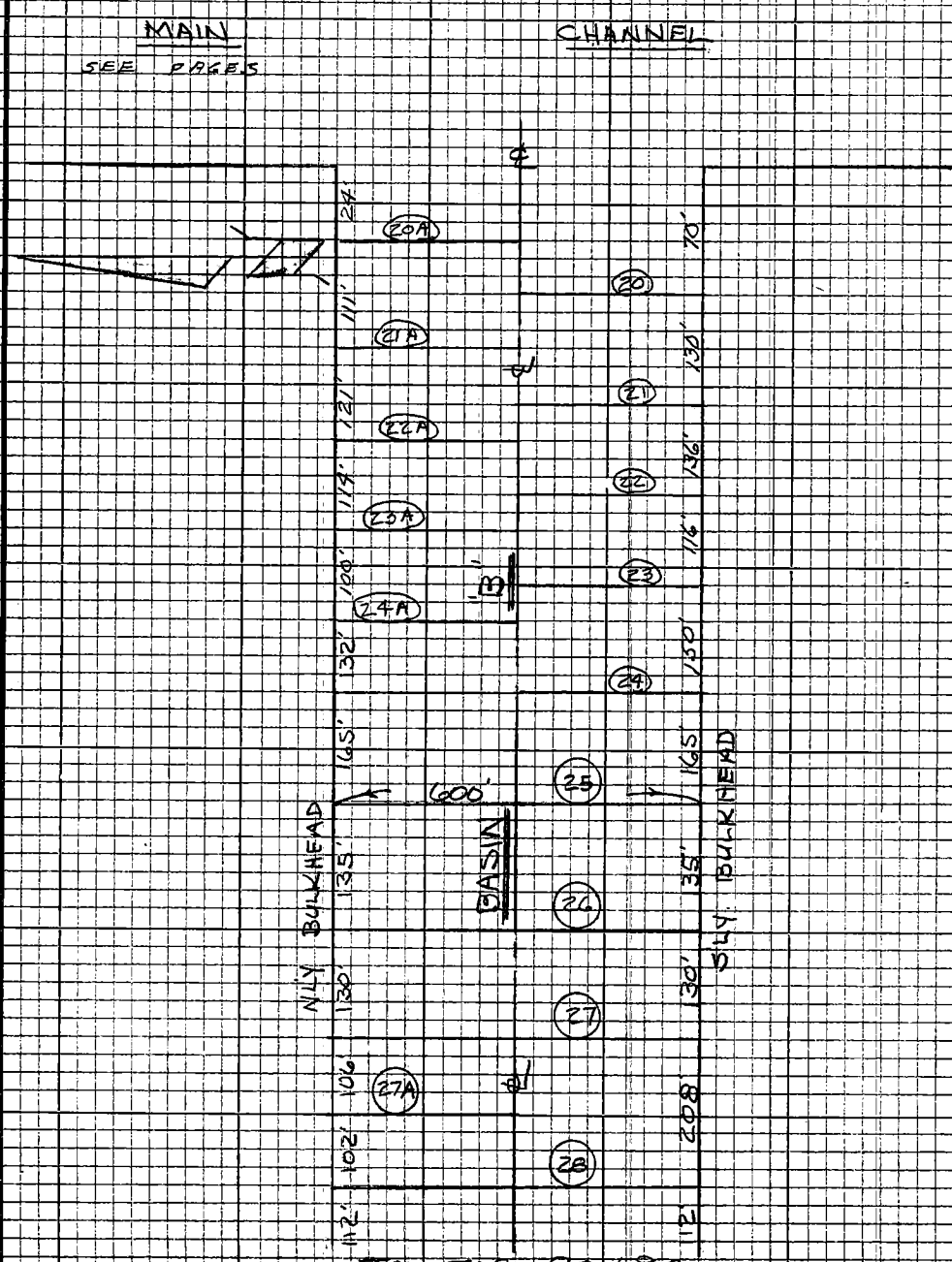
Notes Ck'd by		Survey of	MARINA DEL REY
Map No.		JN 0300.02	Tape — Std — °F
Office Work		Surveyed by	W. A. RICHARDS
Checked		Notes	J. J. B. Date 3-69
Date		Indexed	C. J. GALLI

F.B. 3223 Pg. 189



TO TOP PG 190

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

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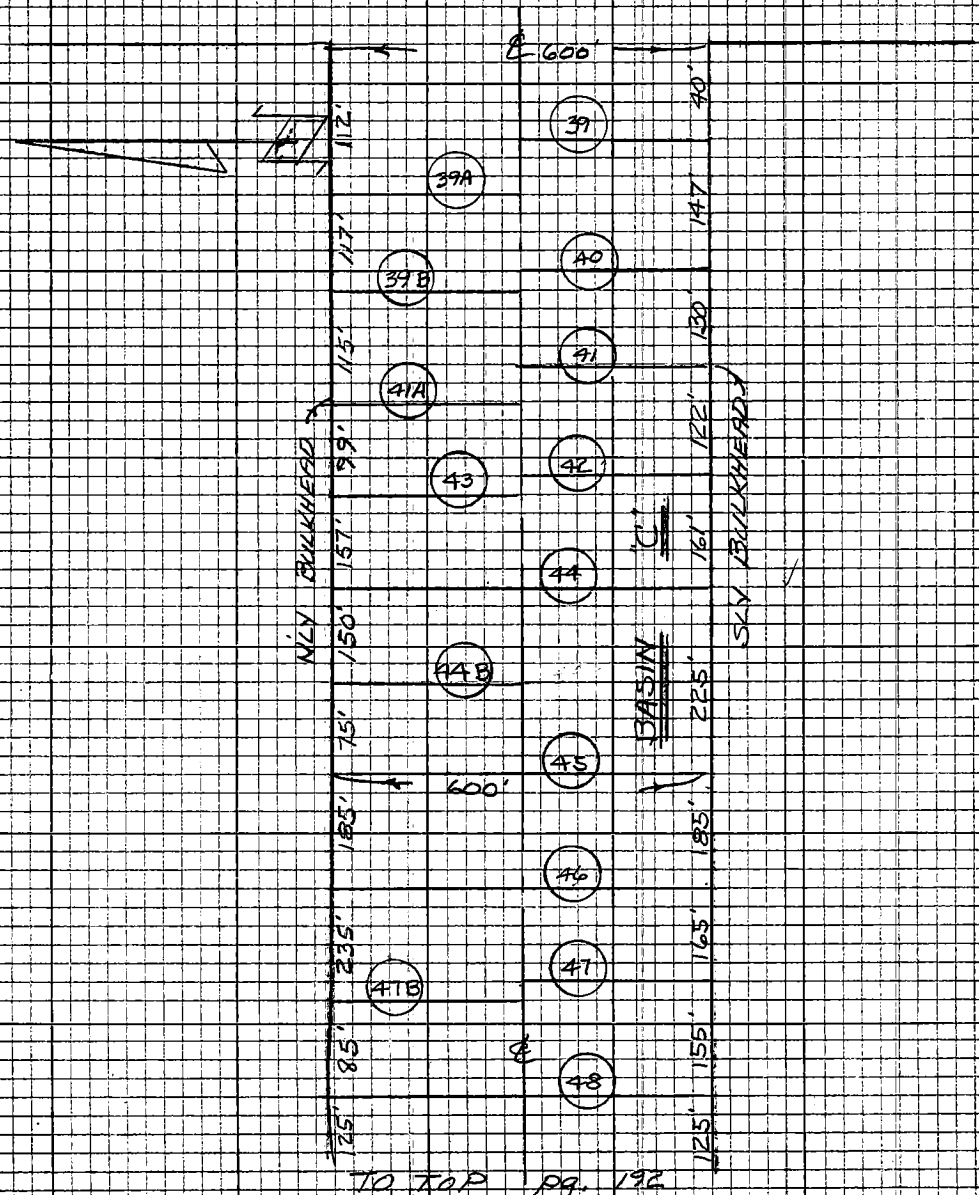
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76P309S CE #310 5-66

Notes Ck'd by	Survey of MARINA DEL REY	F.B. 3223 Pg. 191
Map No.	JN 0300.02 Tape — Std — °F	
Office Work	Surveyed by W.A. RICHARDS	
Checked	Notes J.J.B. Date 4-69	
Date	Indexed C. J. GALLI	

MAIN CHANNEL

see pages



TO TOP pg. 192

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.

76P3098 CE #310 5-66

PLEASE RETURN TO
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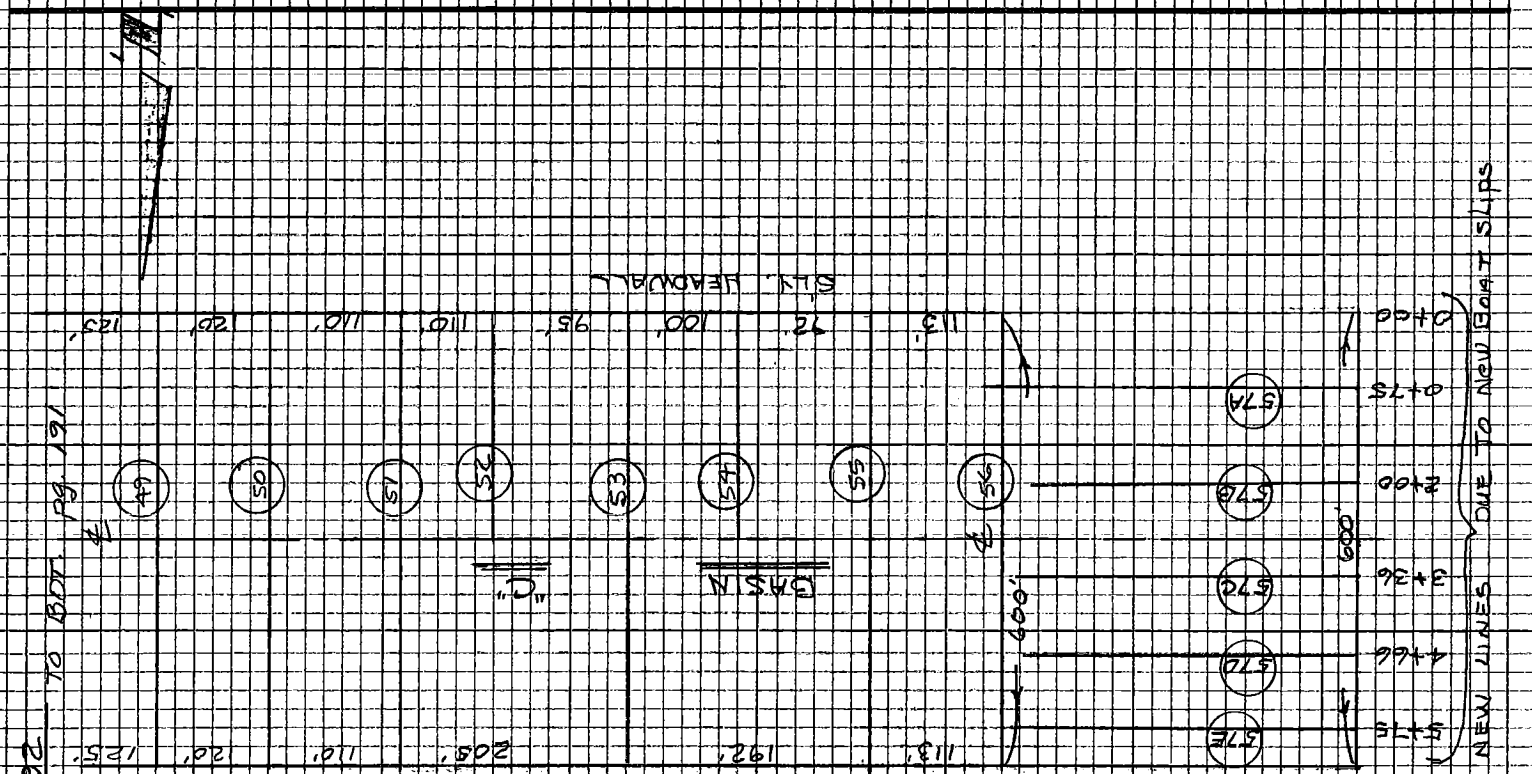
403 Los Angeles County Engineering Bldg.

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

Do not extend this side of this line.



Notes Ck'd by	Survey of MARINA DEL REY
Map No.	JN 0300.02 Tape — Std — °F
Office Work	Surveyed by W. A. RICHARDS
Checked	Notes J. J. B. Date 4-69
Date	Indexed C. J. GALLI

F.B. 3223 PG 193

MAIN CHANNEL

M. D. R.

0+00 WLY

0+00 WLY

0+20 — 600' — 0+20

0+60 — 300' TYPICAL — 300' TYPICAL — 0+55

1+40 — 1+20

1+80 — 1+55

2+60 — 2+25

3+00 — 2+55

3+65 — 3+25

4+25 — 3+60

5+30 — 4+35

5+65 — 4+75

6+10 — 5+70

6+35

7+25

20' 40' 80' 40' 80' 40' 65' 60'

20' 35' 65' 35' 70' 30' 70' 35' 75' 40' 95' 65' 90'

BASIN D

TO TOP PG. 194

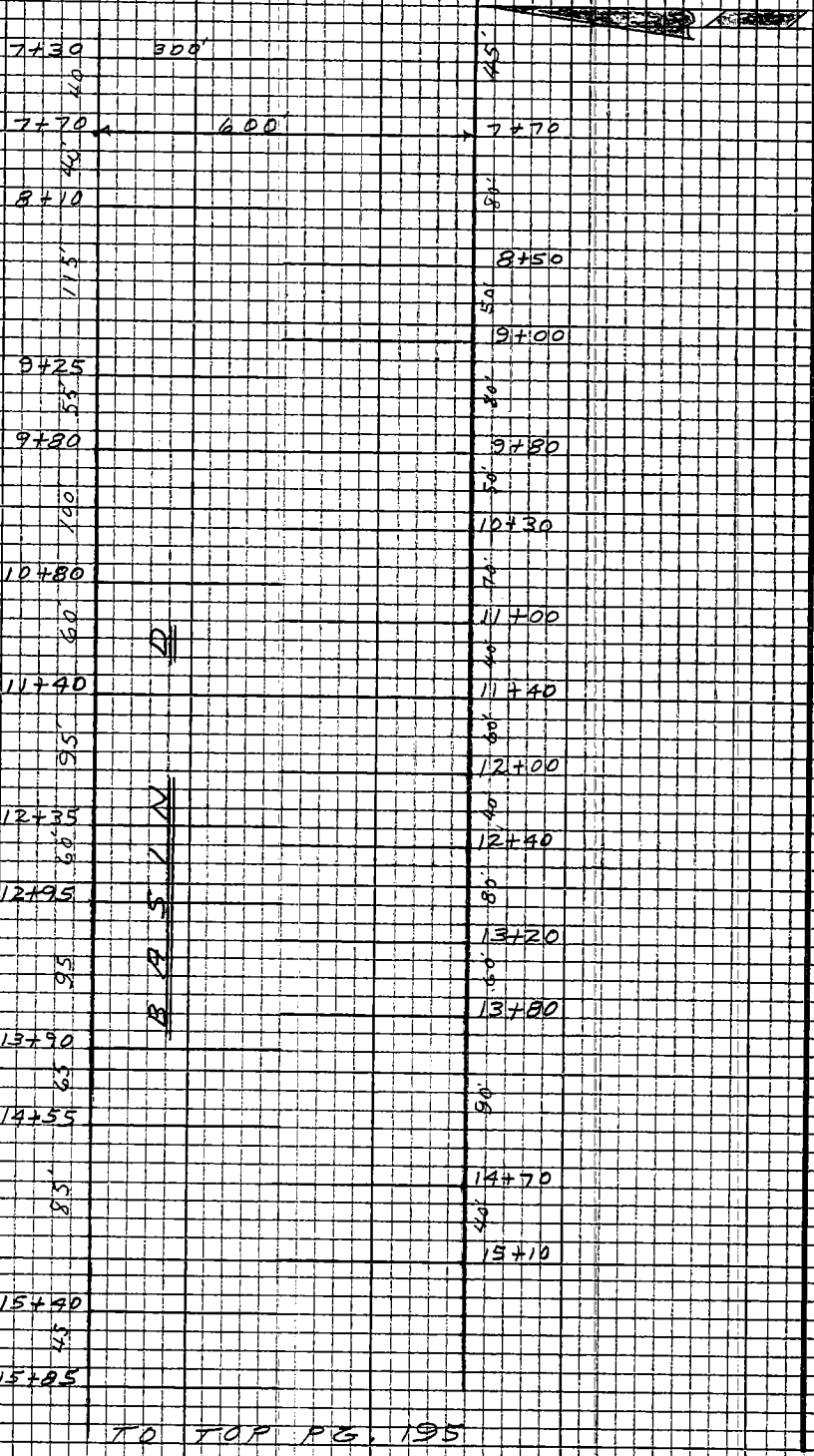
Note: Any Additions or Changes on this Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change

Do not extend this side of this line.

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

76P3098 CE #310 5-66

F.B. 3223 PG 197 TO BOT PG. 193



TO TOP PG. 195

PLEASE RETURN TO
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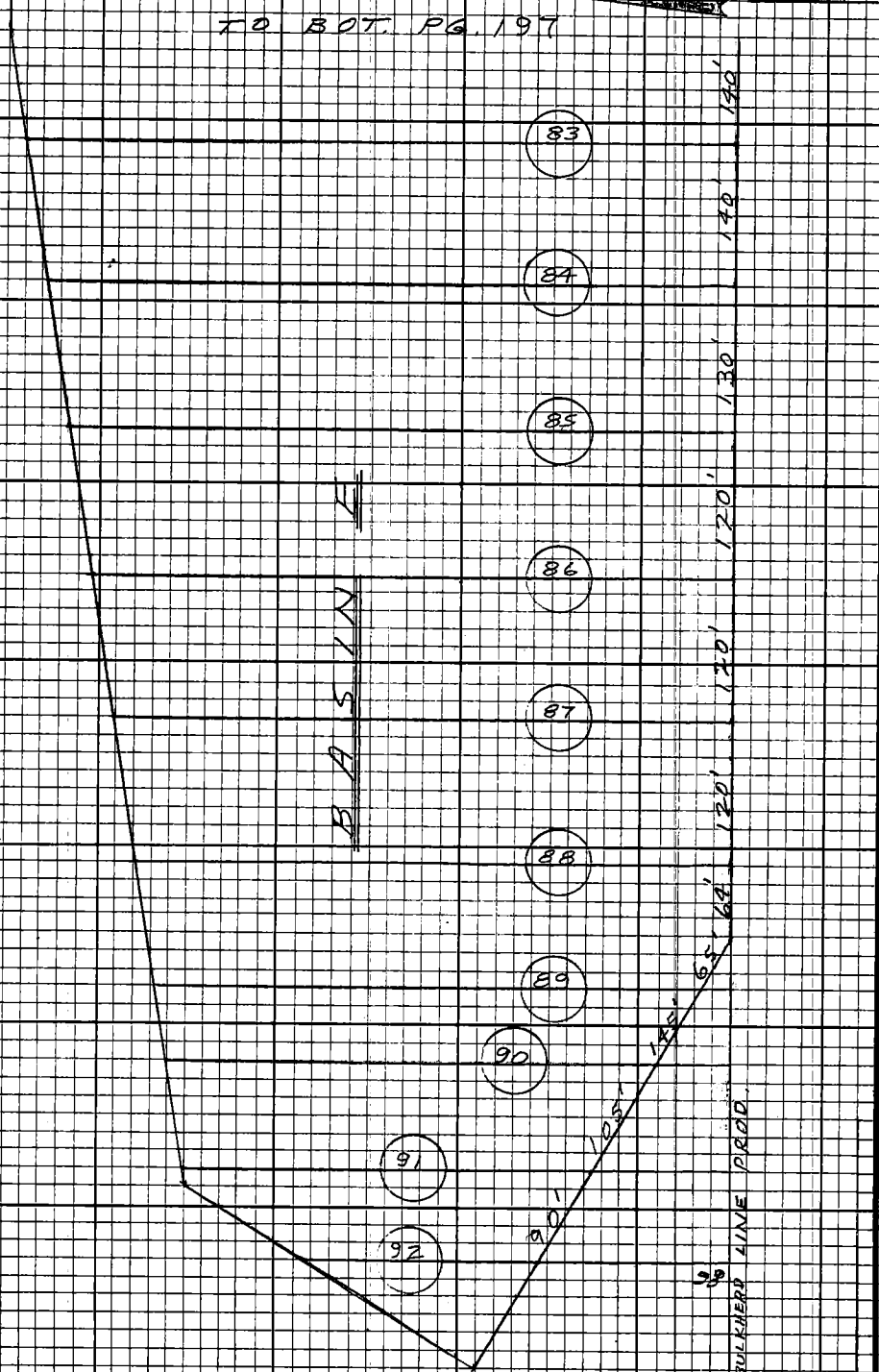
403 Los Angeles County Engineering Bldg.

Do not extend this site or this line.

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

F.B. 3223 Pg. 198

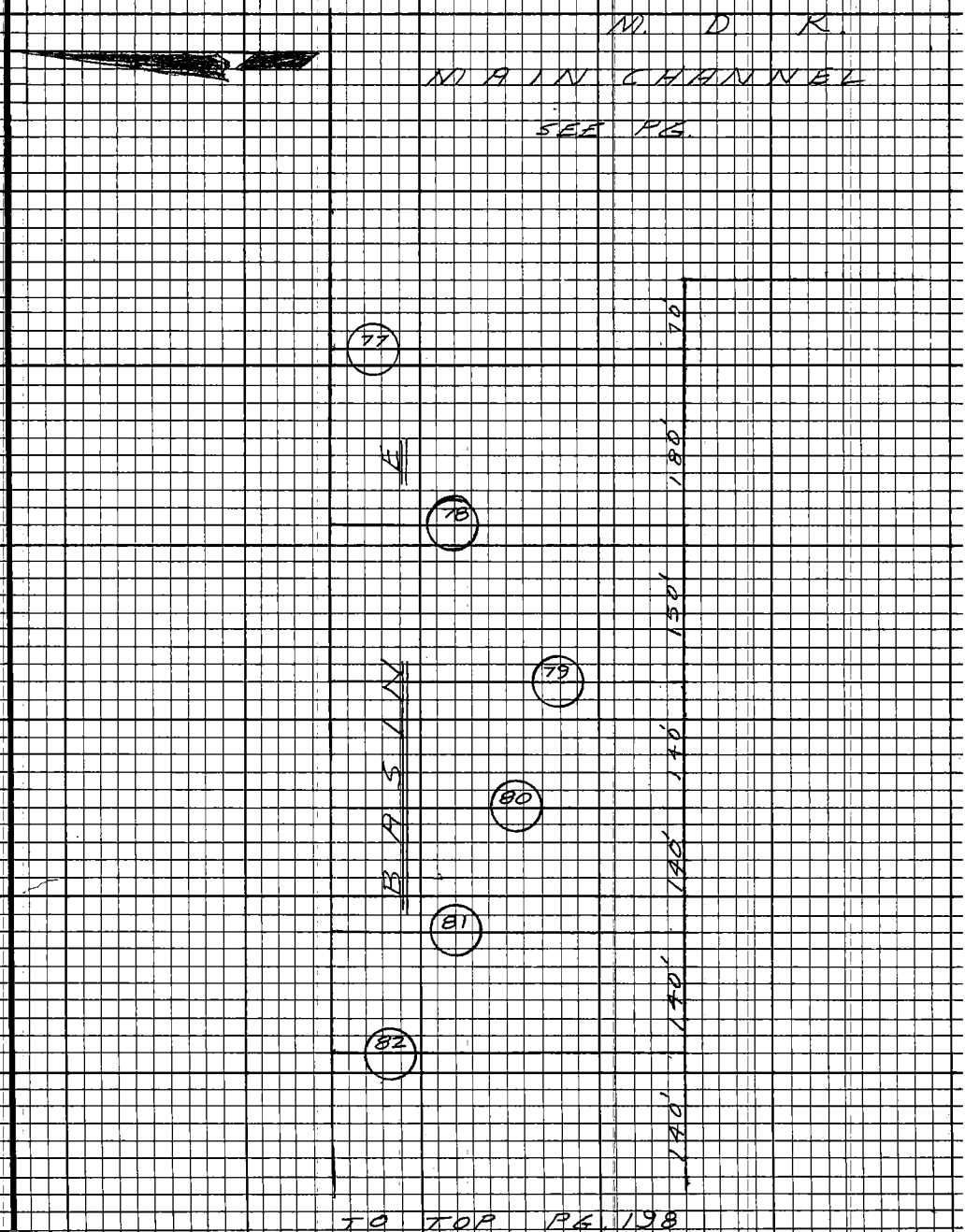
TO BOT. PG. 197



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 MARINA DEL REY
Map No.	JN 030002 Tape — Std — °F
Office Work	Surveyed by RICHARDS
Checked	Notes W.A.R. Date 5-69
Date	Indexed C. J. GALLI

F.B. 3223 PG. 197



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

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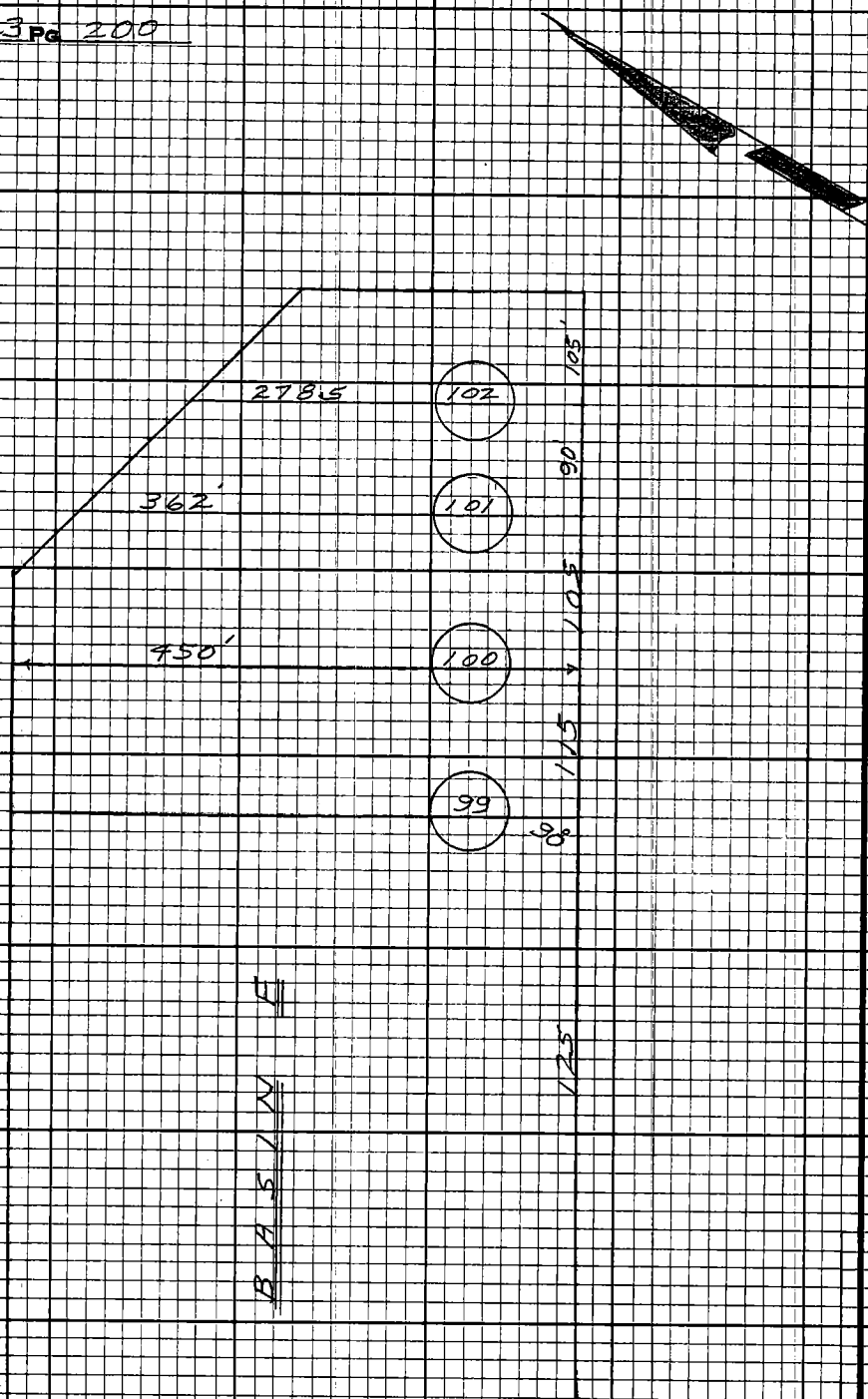
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3098 CE#310 9-67

F.B. 3223 Pg 200



TO TOP PG. 199

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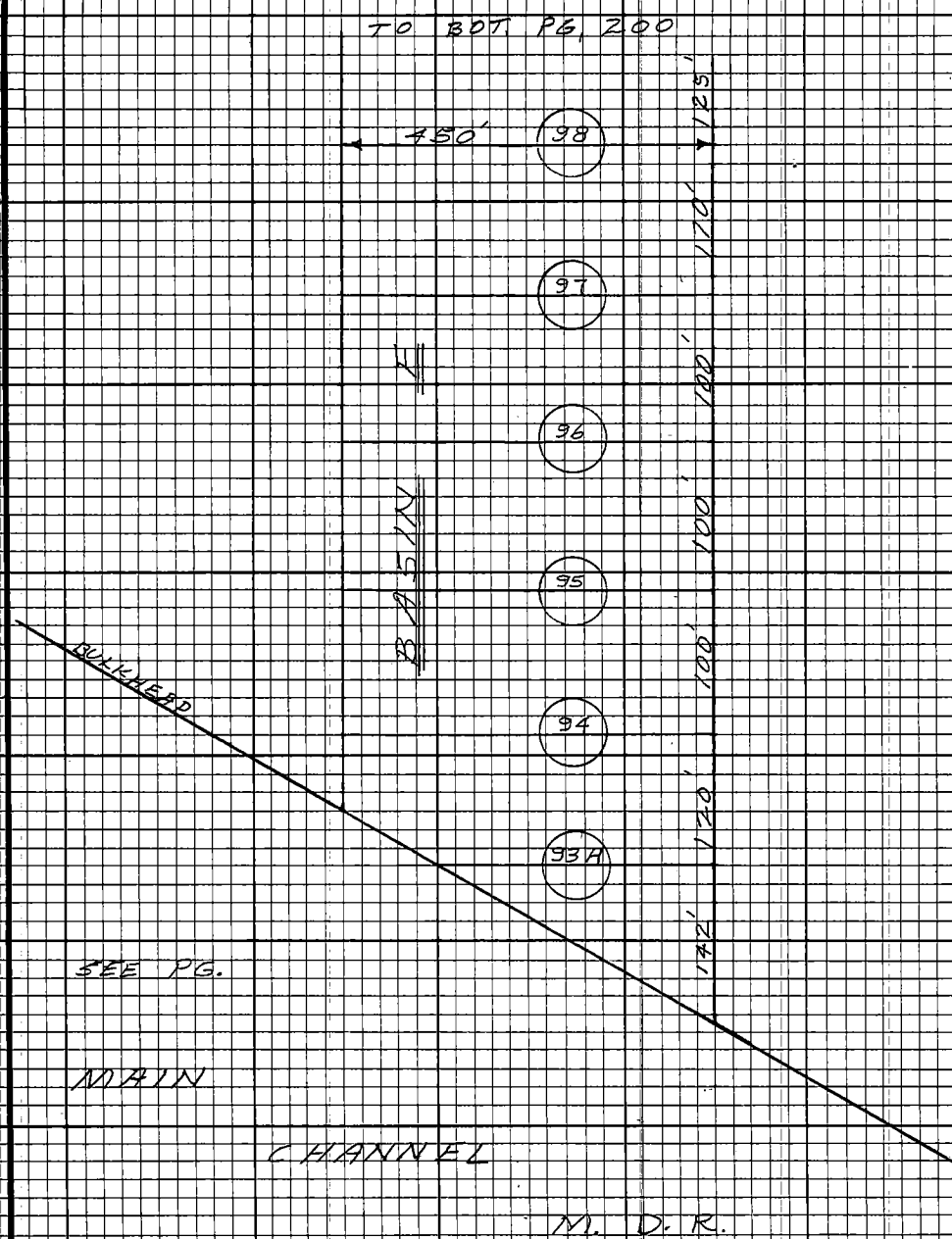
Do not extend this side of this line.
Note: Any Additions or Changes on this Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of MARINA DEL REY
Map No.	JN 030002 Tape Std °F
Office Work	Surveyed by W.A. RICHARDS
Checked	Notes W.A.R. Date 5-69
Date	Indexed C. J. GALLI

F.B 3223 PG 199



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

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

76F3098 CE#310 9-67

Notes Ck'd by	Survey of HYDRO SURVEY MDR
Map No.	JN 0300.02 Tape ____ Std ____ °F
Office Work	Surveyed by RICHARDS
Checked	Notes Don C. J. GALLI Date 5-9-69
Date	Indexed

F.B. 3223 PG. 201

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

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76E3098 CE#310 9-67

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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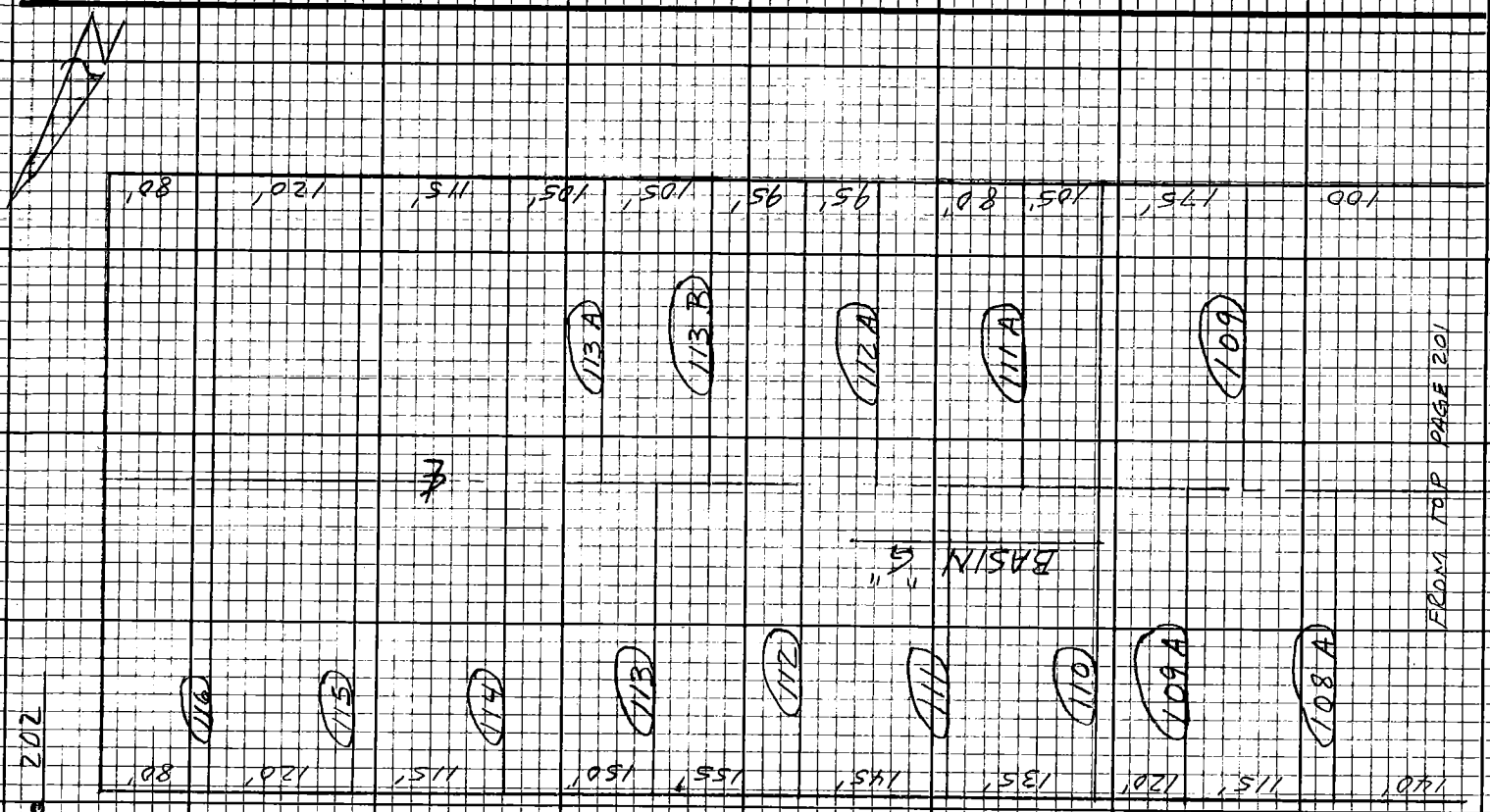
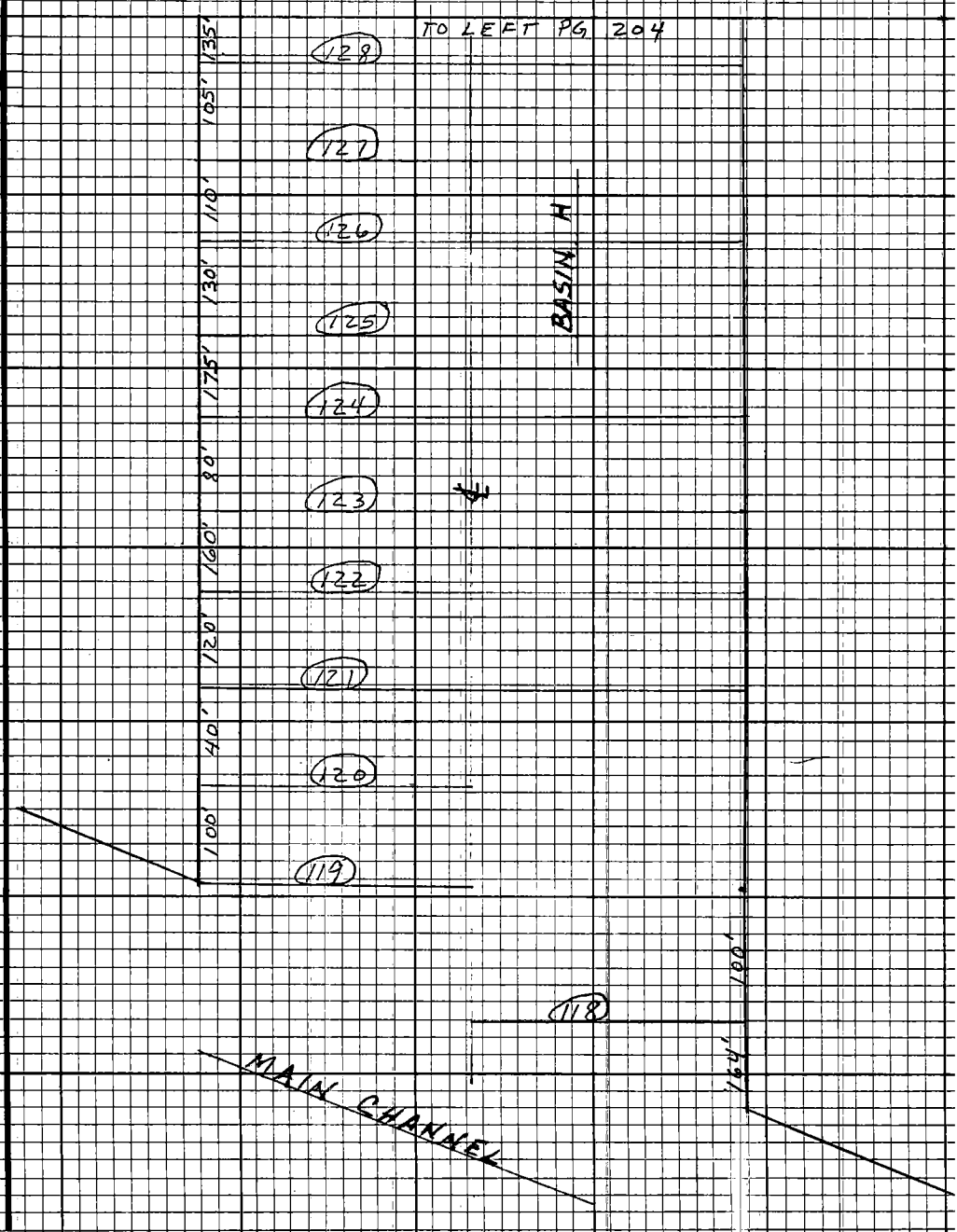


F.B. 3223 Pg. 202

Notes Ck'd by	Survey of HYDRO SURVEY MDR
Map No.	JN 0300.02 Tape Std °F
Office Work	Surveyed by RICHARDS
Checked	Notes DON Date 5-69
Date	Indexed C. J. GALLI

F.B. 3223 PG. 203



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

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PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

75F3098 CE#310 9-67

PLEASE RETURN TO
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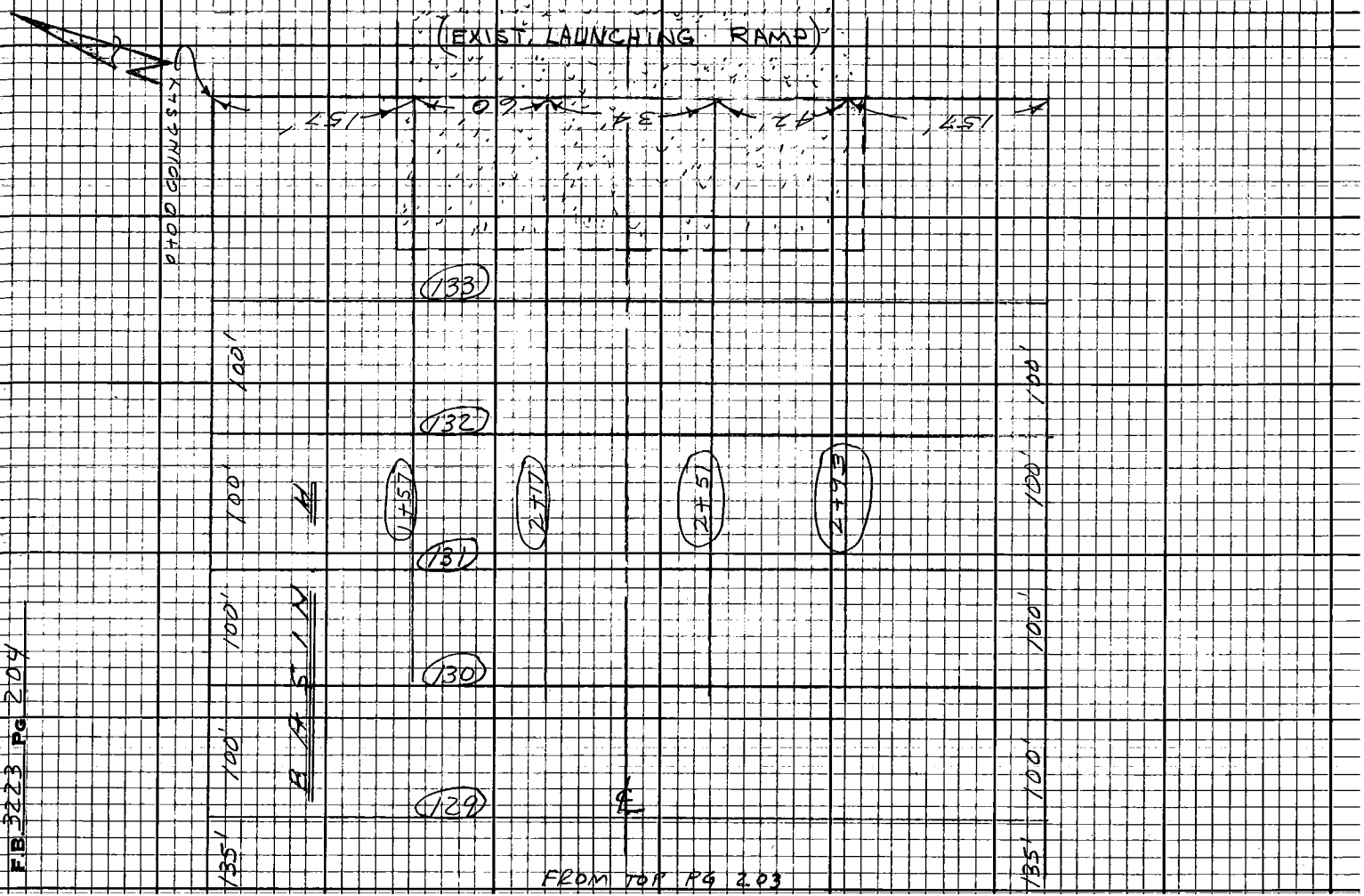
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

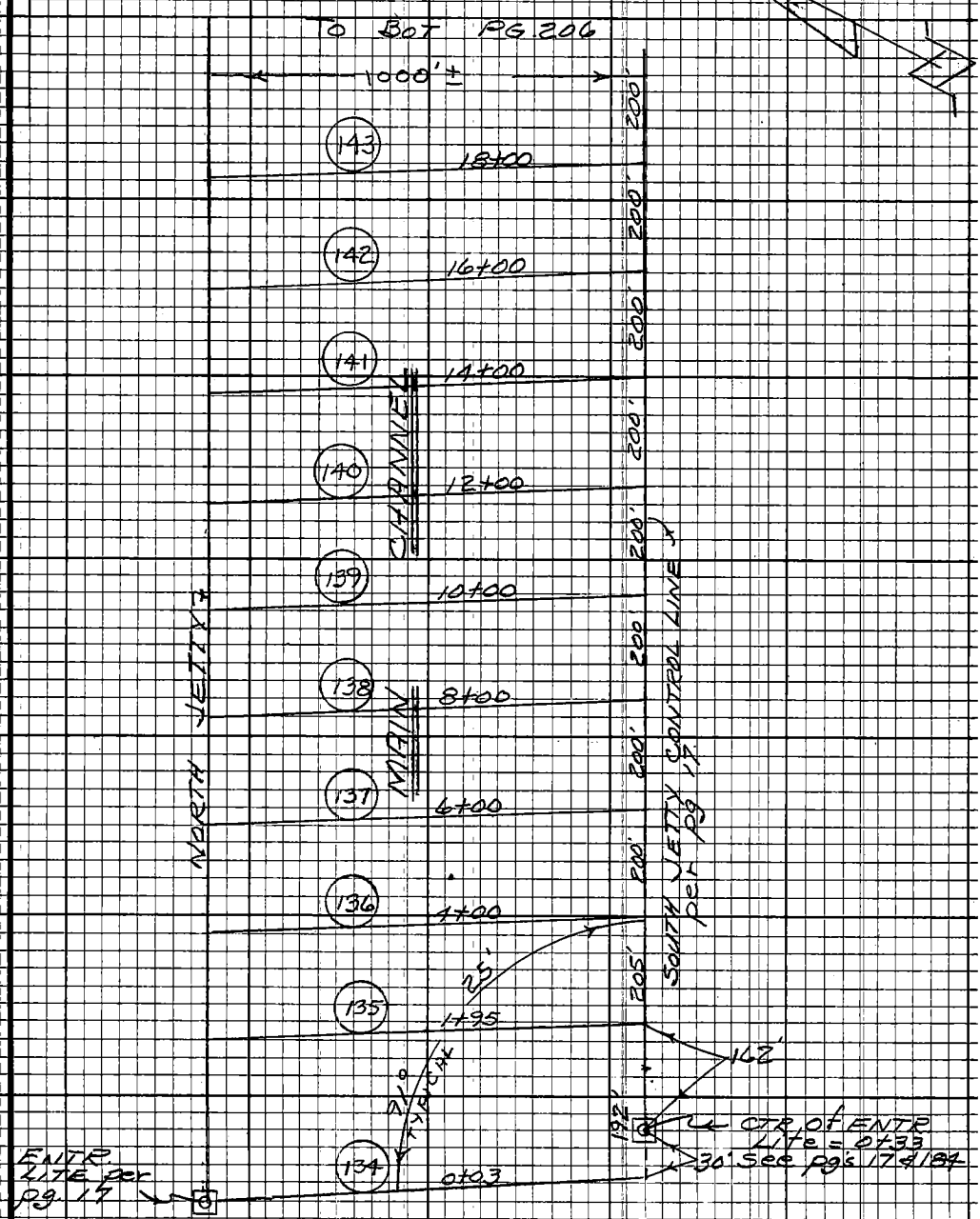
Do not extend this side of this line.



FB 3223 PG 204

Notes Ck'd by	Survey of MARINA DEL REY
Map No.	JN 030002 Tape Std °F
Office Work	Surveyed by W. A. RICHARDS
Checked	Notes J. J. B. Date 5-69
Date	Indexed C. J. GALLI

F.B. 3223 PG. 205



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

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PLEASE RETURN TO
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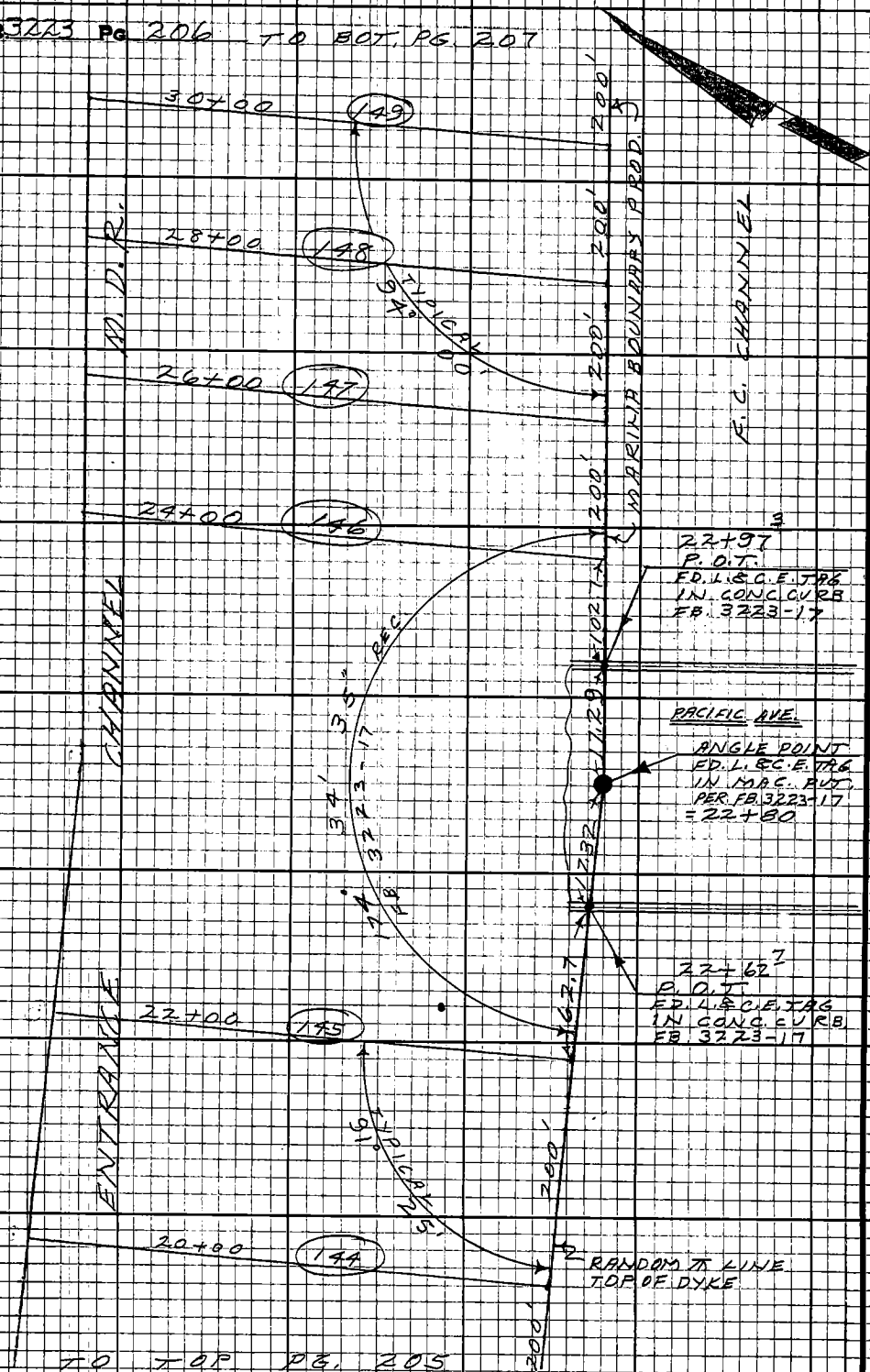
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3098 CE#310 9-67

F.B. 3223 Pg. 206 TO BOT. PG. 207



TO TOP PG. 205

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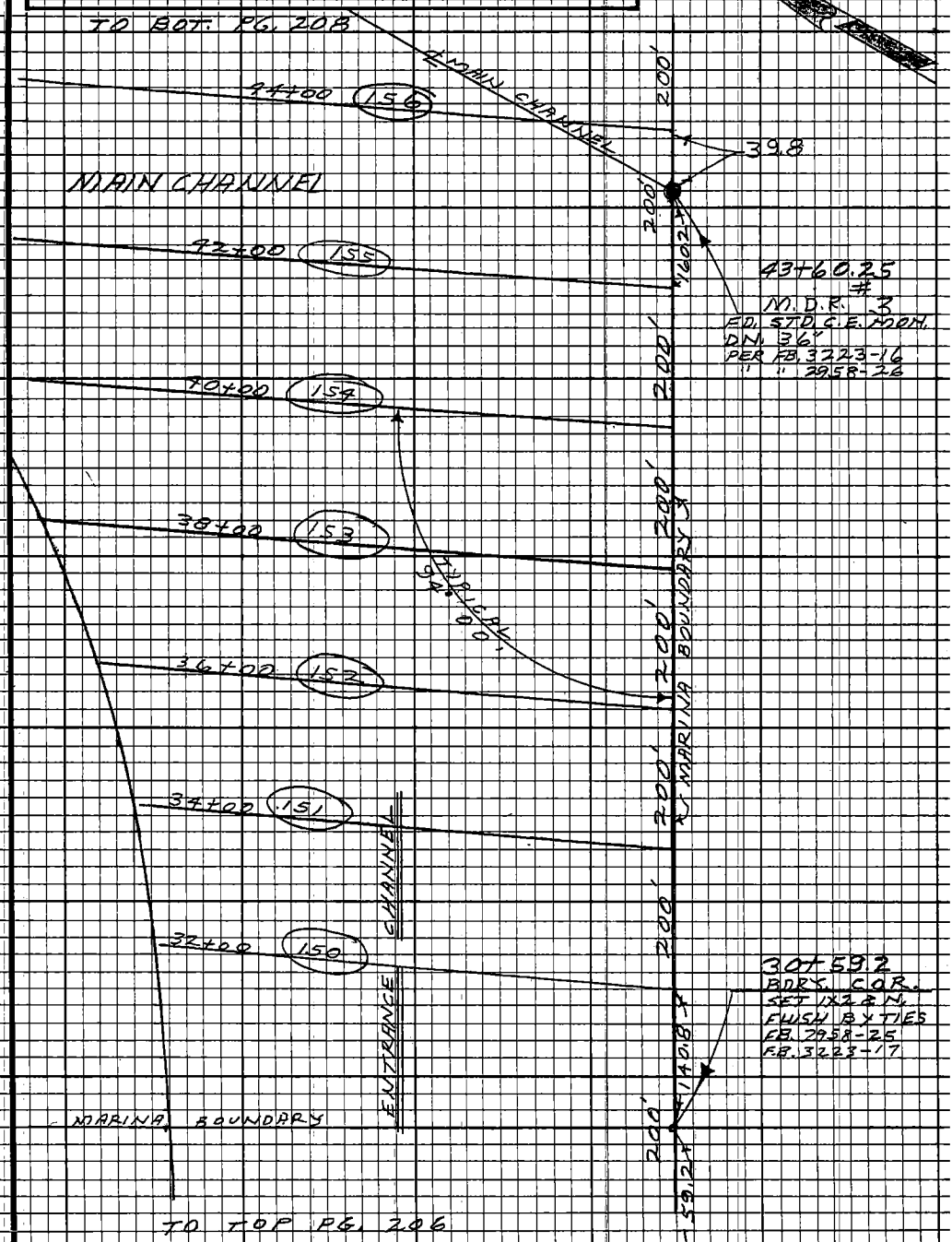
Note: Any Additions or Changes on this Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of MARINA DEL REY
Map No.	JN 030002 Tape — Std — °F
Office Work	Surveyed by W. A. RICHARDS
Checked	Notes W. A. R. Date 5-69
Date	Indexed C. J. GALLI

F.B. 3223 PG. 207



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

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LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3093 CE#310 9-67

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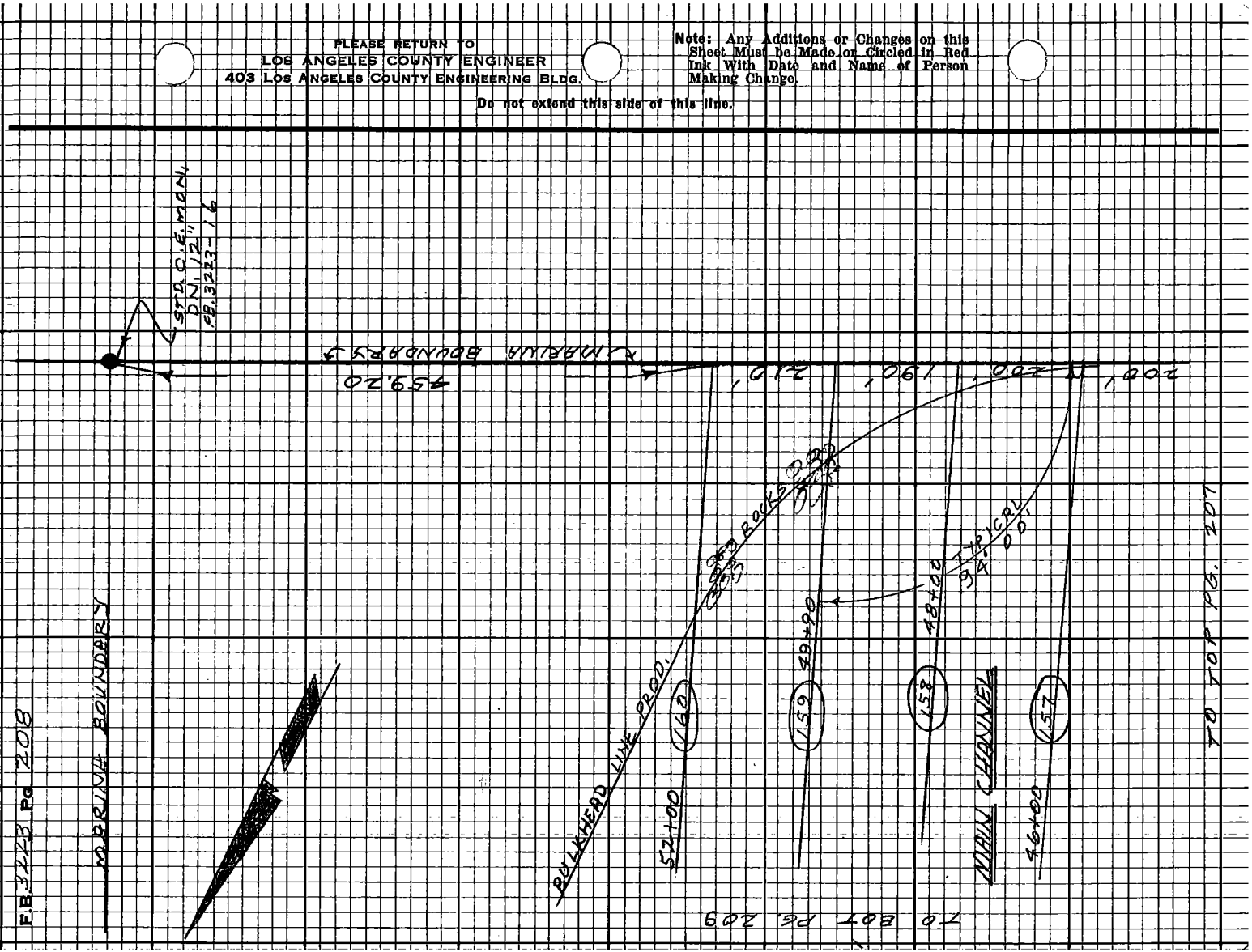
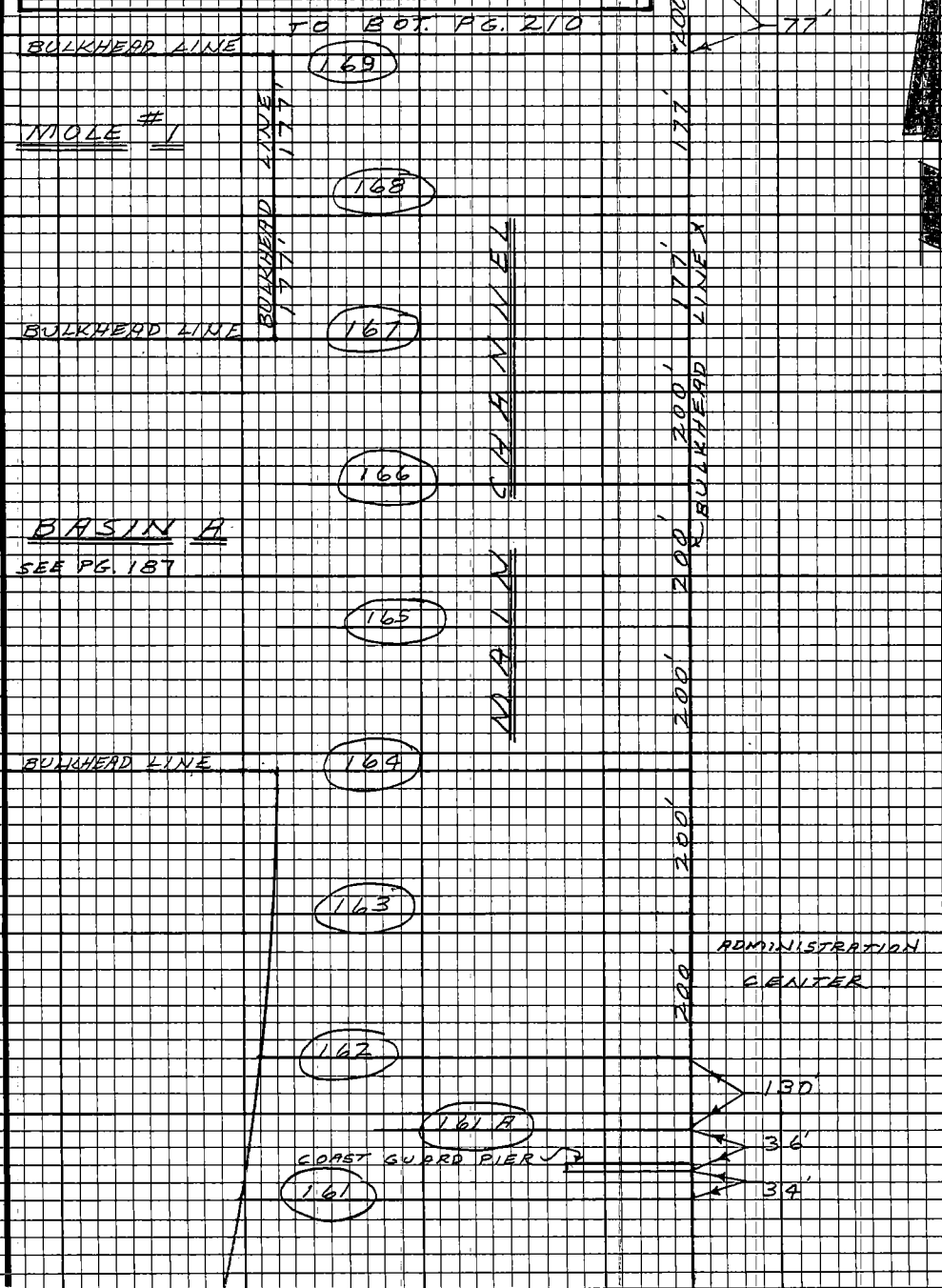


Notes Ck'd by	Survey of MARINA DEL REY
Map No.	JN 030002 Tape ___ Std ___ °F
Office Work	Surveyed by W. A. RICHARDS
Checked	Notes W. A. R. Date 5-69
Date	Indexed C. J. GAL

F.B. 3223 PG. 209



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76F3098 CE#310 9-67

F.B 3223 Pg 210

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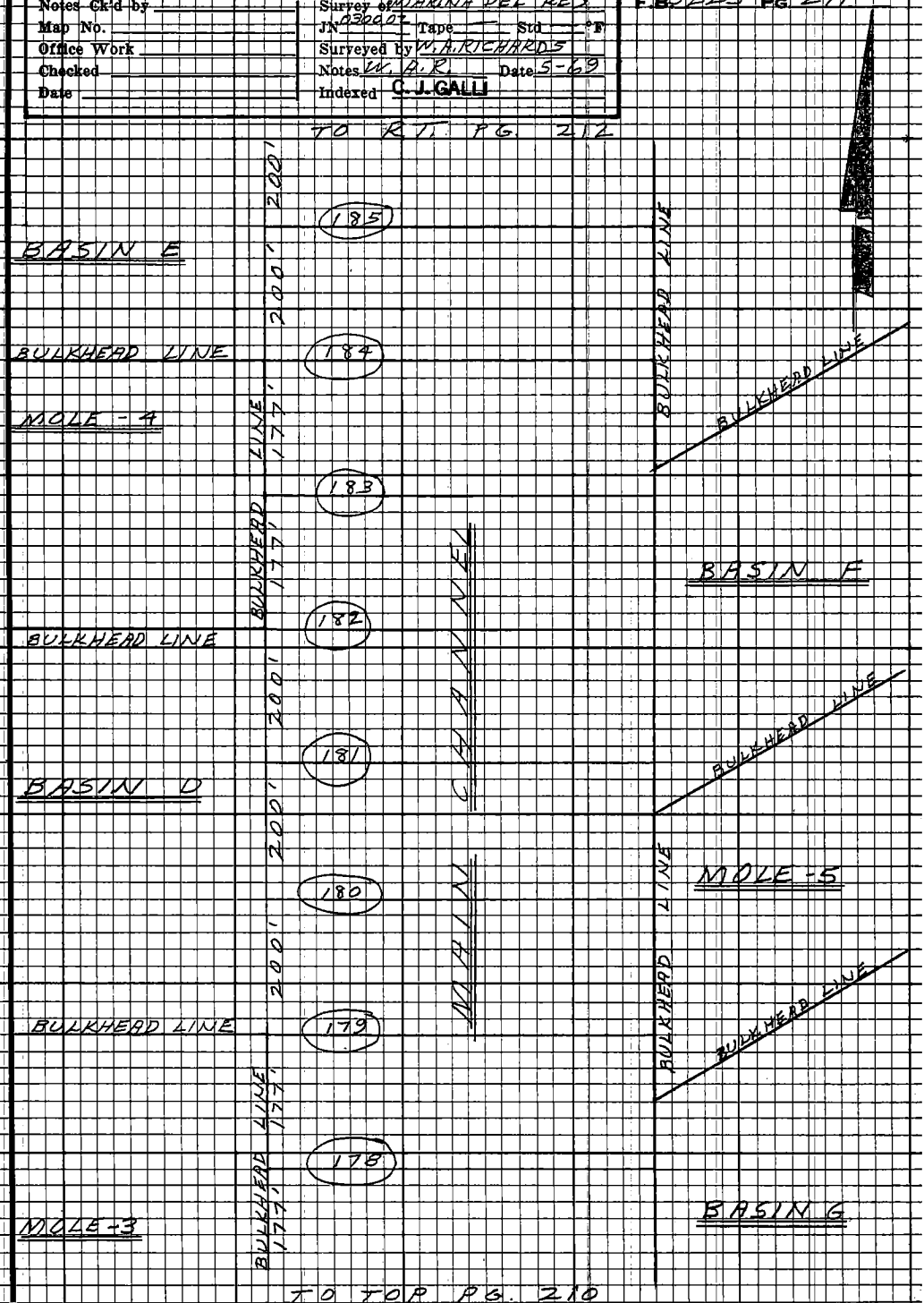
Notes Ck'd by	Survey of MARINA DEL REY
Map No.	JN 030002 Tape — Std — °F
Office Work	Surveyed by W. A. RICHARDS
Checked	Notes W. A. R. Date 5-69
Date	Indexed C. J. GALLI

F.B. 3223 PG. 211



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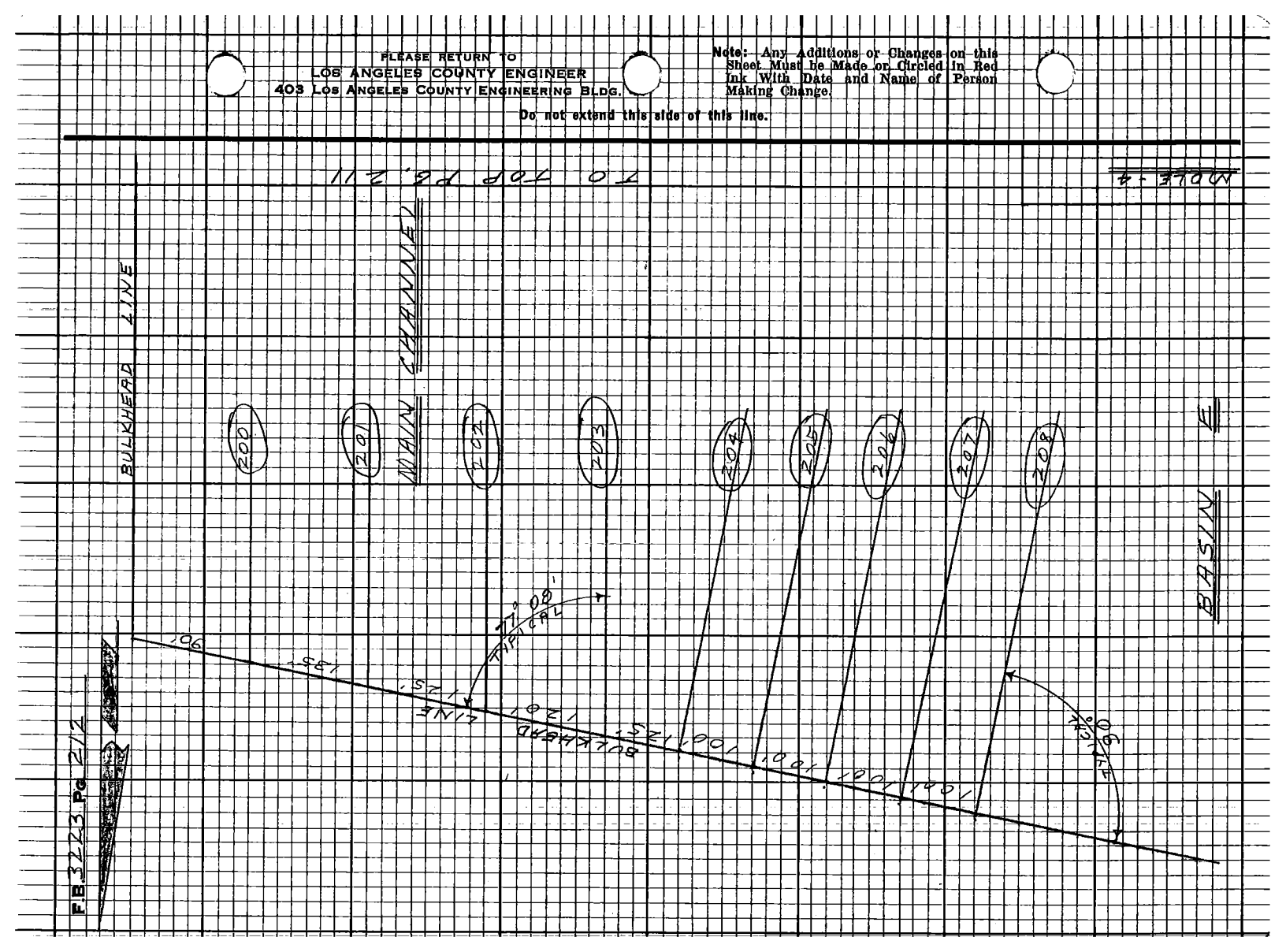

F.B. 3223 Pg 2/2

Notes Ck'd by	Survey of M.D.R., BASIN "D"
Map No.	JN 0739.72 Tape Std °F
Office Work	Surveyed by W.A.RICHARDS
Checked	Notes W.A.R. Date 11-78
Date	Indexed T.M. PALMER DEC 1978

F. B. 3223 PG. 213

J.N. 0739.72

MARINA DEL REY

BASIN "D"

CONTROL LINE SURVEY FOR RESHAPING BEACH

REF: FB. 2959 PG. 224
" " 3223 " 179-181, INC.
" CONTRACT DRAWINGS

RICHARDS
LANDA
TERRANOVA
KAPP
GOBLE

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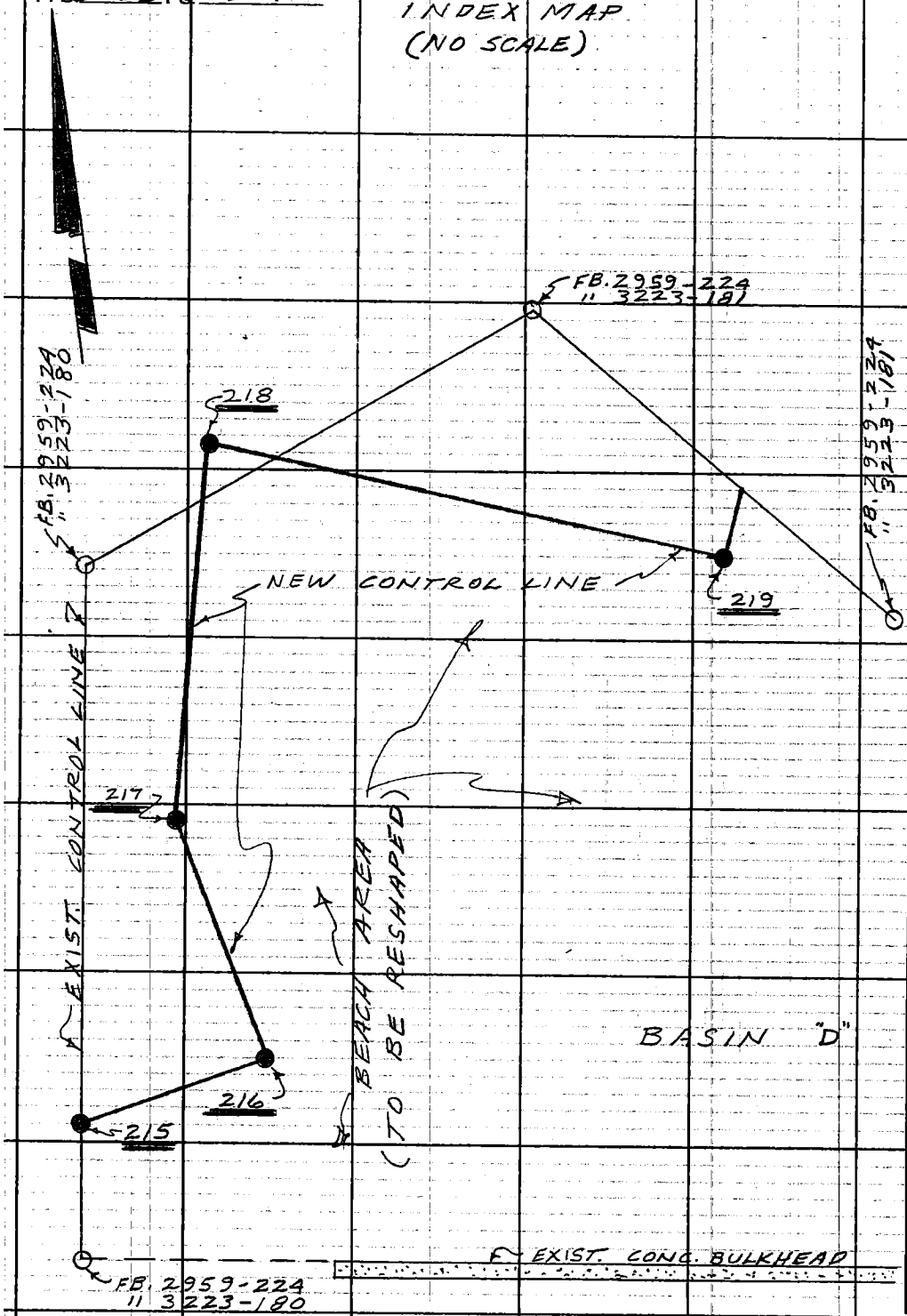
403 LOS ANGELES COUNTY ENGINEERING BLDG.

F. B 3223 Pg 214

INDEX MAP
(NO SCALE)



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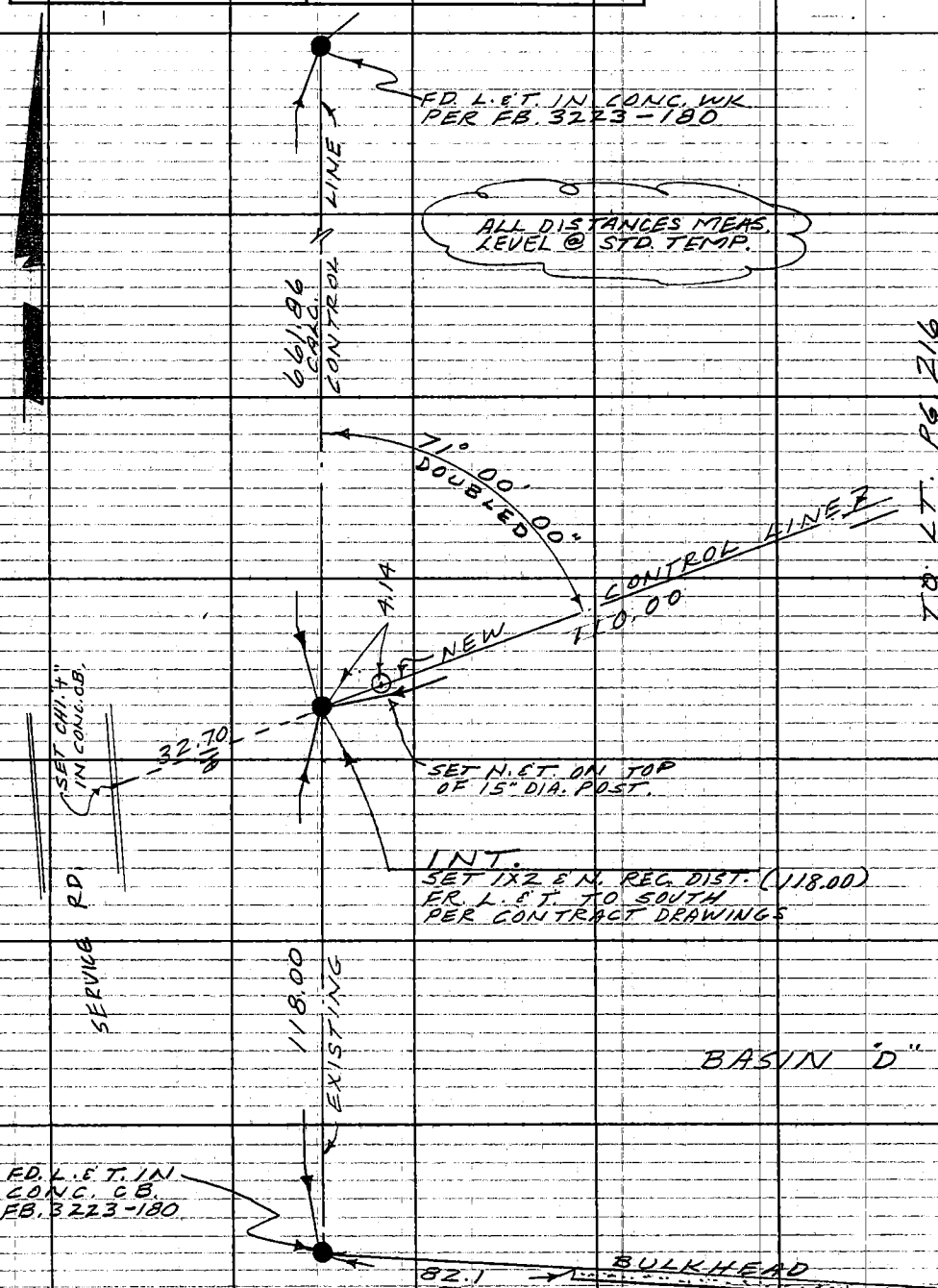
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of M.D.R. BASIN "D"
Map No.	JN 0739.72 Tape Std °F
Office Work	Surveyed by W. A. RICHARDS
Checked	Notes W. A. R. Date 11-78
Date	Indexed T.M. PALMERI DEC 28 1978

F. B. 3223 PG. 215



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

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3095 CE#310 3-68

F. B. 3223 PG. 216

TO BOT. PG. 217

NEW CONTROL LINE Z

ALL DISTANCES MEAS. LEVEL @ STD. TEMP.

RANGE 1+50

RANGE 1+00

1961.31

RANGE 0+50

90° 00' 00" DOUBLED

PG. 215

NEW CONTROL LINE Z

110.00

RANGE 0+00

TO RT.

0+00.00
SET 1X2 & N. FLUSH
REC. LINE & DIST.
FR. 1X2 TO WEST
PER CONTRACT DWGS.

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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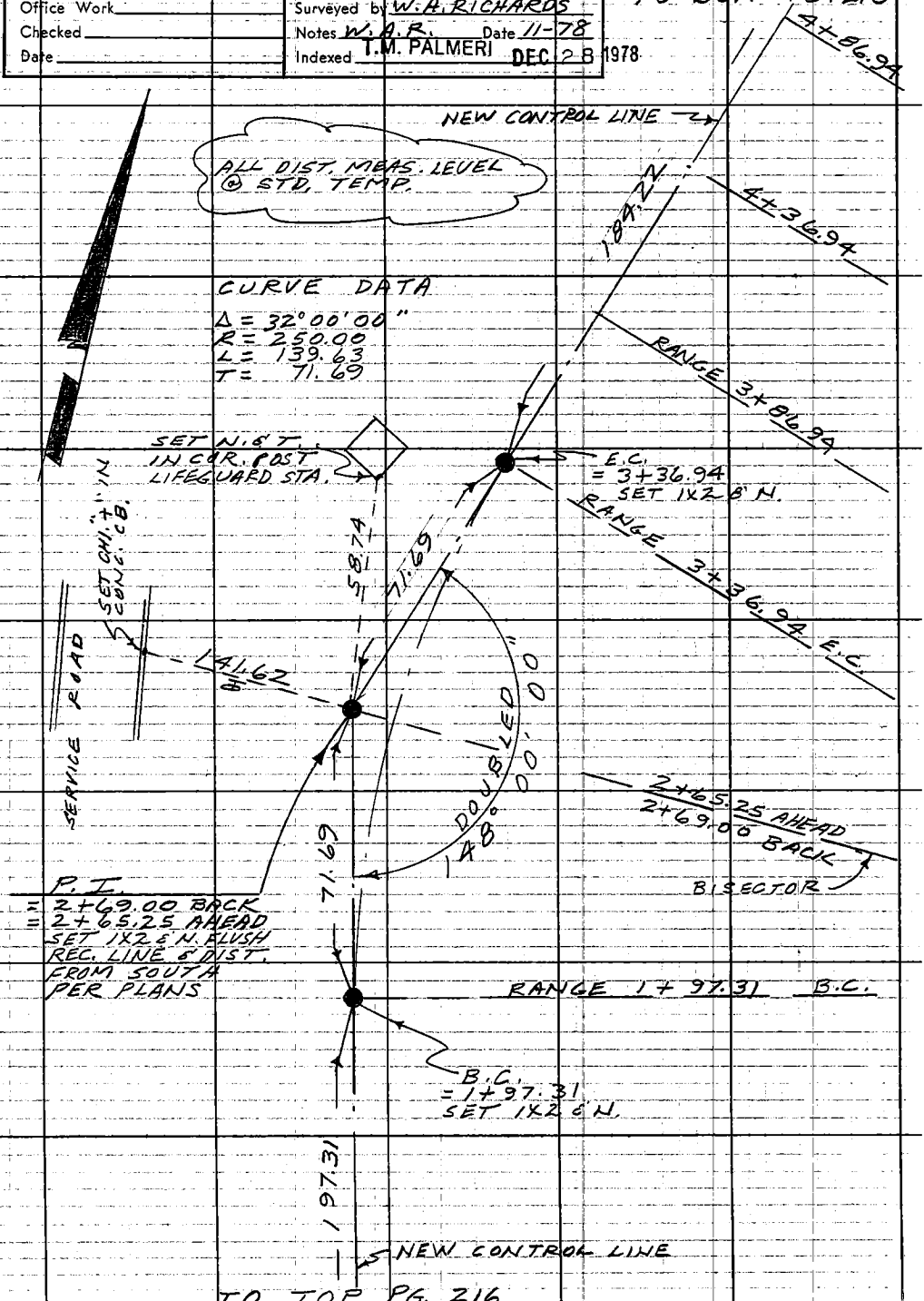
Notes Ck'd by	Survey of M.D.R. BASIN "D"
Map No.	JN 0739.72 Tape Std. °F
Office Work	Surveyed by W.A. RICHARDS
Checked	Notes W.A.R. Date 11-78
Date	Indexed T.M. PALMERI DEC 28 1978

F.B. 3223 PG. 217

TO BOT. PG. 218



TO TOP PG. 216

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

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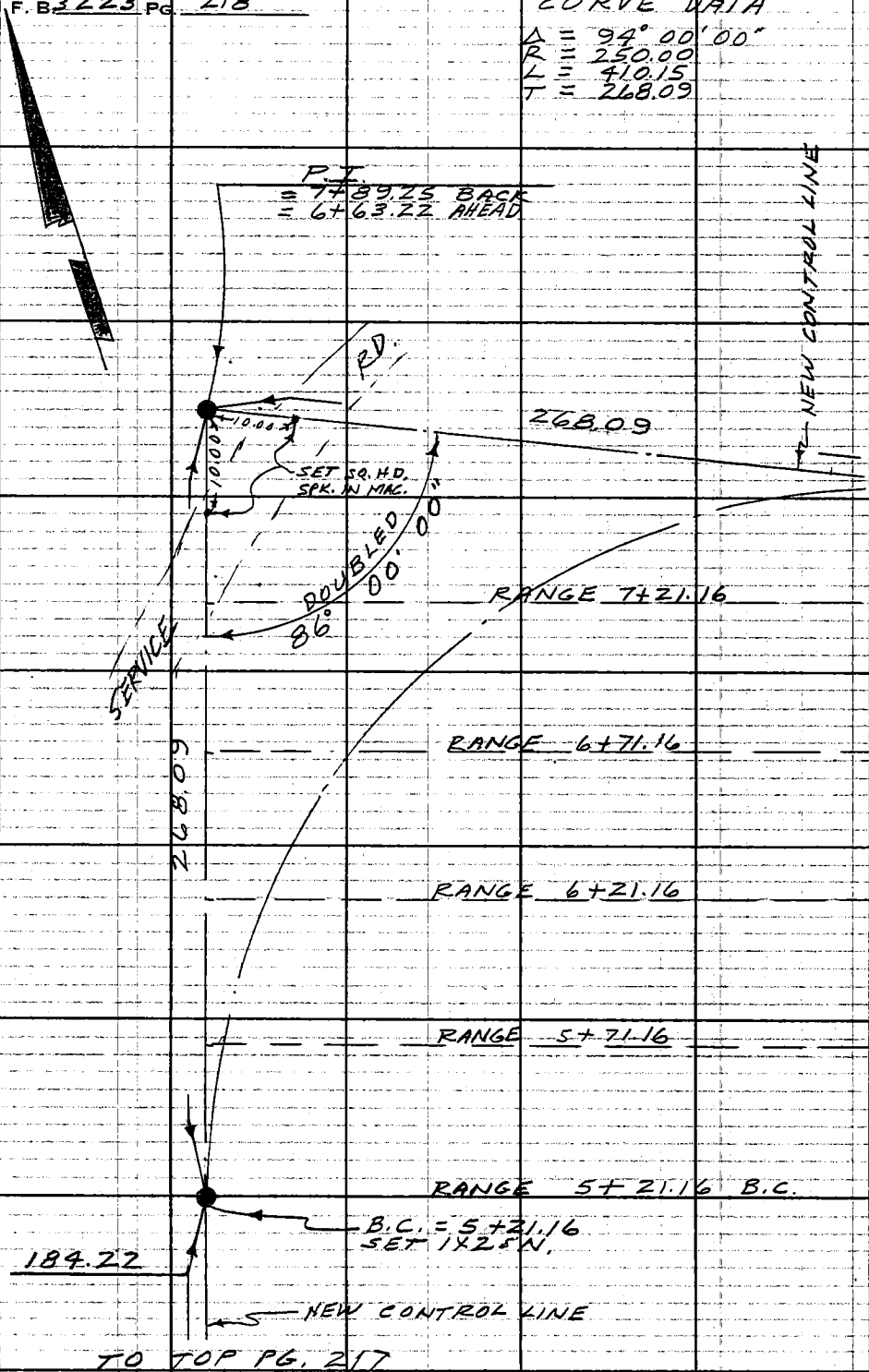
DEPARTMENT OF COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 3-68

F. B. 3223 PG. 218

CURVE DATA
Δ = 94° 00' 00"
R = 250.00
L = 410.15
T = 268.09

P.T.
= 7+89.25 BACK
= 6+63.22 AHEAD



TO TOP PG. 217

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DEPARTMENT OF COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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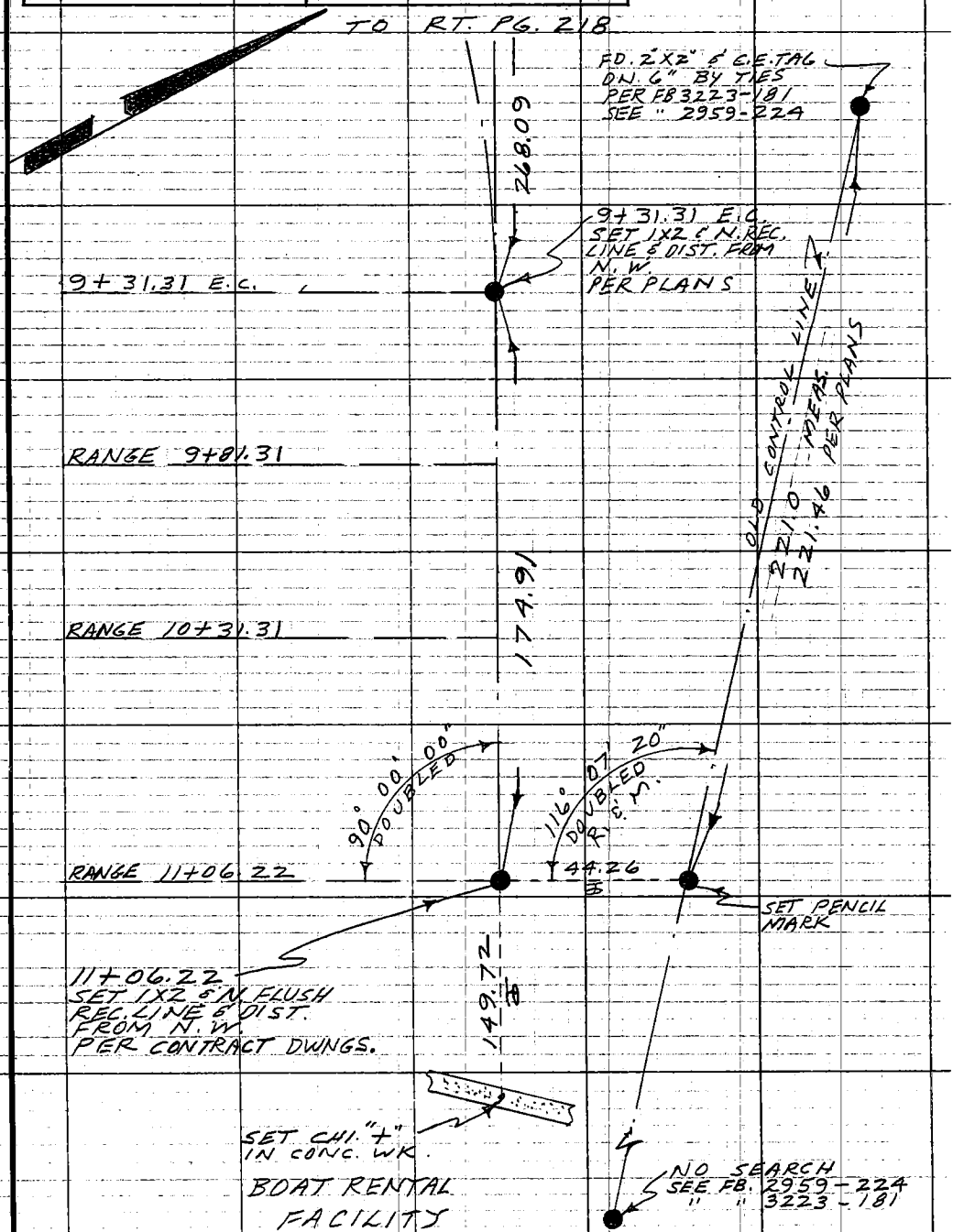
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of M.D.R. BASIN "D"
Map No.	JN 0739.72 Tape Std. °F
Office Work	Surveyed by W.A. RICHARDS
Checked	Notes W.A.R. Date 11-78
Date	Indexed T.M. PALMERI DEC 28 1978

F. B. 3223 PG. 219



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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 3-68

Profile No. | Notes Red | Plotted | Job No. 0739.72 | Division No. 45 | F.B. 3223 | Pg. 221
Date | Date | Survey of BEACH AREA @ BASIN "D"
X-Sec. No. | Notes Chk'd. | Checked | Survey by RICHARDS | Notes | Date 11-78
Date | Date | Map No. | Indexed T.M. PALMER | Date DEC 28 1978

J.N. 0739.72
MARINA DEL REY
BASIN "D"
CROSS-SECTIONS
OF
BEACH AREA
FOR
RESHAPING BEACH

CONTROL LINE SURVEY REF: FB. 3223 PG.'S 213-220
DATUM: M.L.L.W.

RICHARDS
LANDA
TERRANOVA
KAPP
GOBLE

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.

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403 Los Angeles County Engineering Bldg.

76-L-298 CE 307 8-70

76-L-298 CE 307 8-70

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Do not extend notes this side of this line.

F. B. 3223 PG. 222 | Job No. 0739.72 | Division No. 45 | Notes Red | Plotted | Profile
Survey of BEACH AREA, BASIN "D" | Date | Date | No.
Survey by RICHARDS Notes J. T. | Notes Chk'd | Checked | X-Sec.
Indexed | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.	BASIN "D" BEACH AREA.			
BM. S-61	0 50	10 50		10 00	B.M. S-61 EL. = 9.995		FB. 2959 - 225	
					LT		RT	
0+00			4 58	5.92			1 X 2	
			6 6	3.9			50'	
			6 9	3.6			59	BK.
			7 3	3.2			69	BK.
			7 9	2.6			83 5	BK.
			8 3	2.2			96 4	BK.
			8 4	2.1			100	
			8 5	2.0			109	BK.
			12 4	-1.9			150	
			LEVEL END	8 0	50'			
				10 7	100'			
				11 8	147'			

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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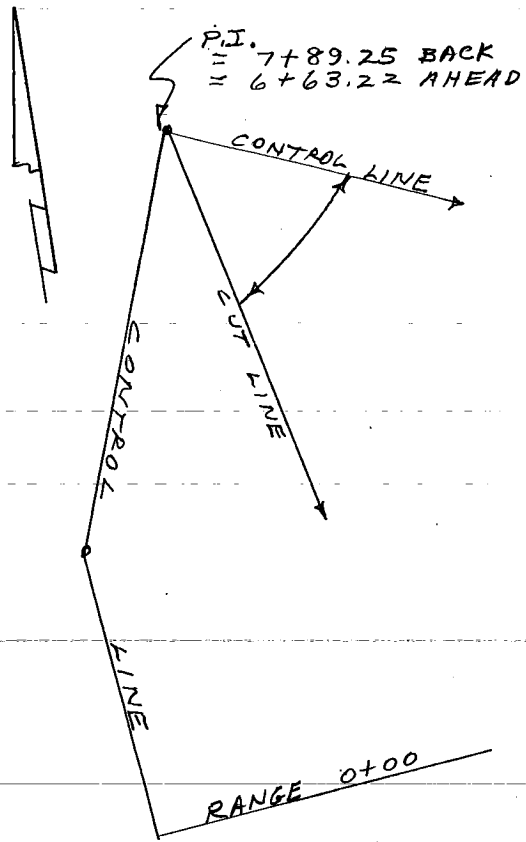
RANGE 0+00

Do not extend notes this side of this line. RANGE 0+00

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
6+63.22	11+06.22	10.34	1	42	44			
			2	46	55			
			3	50	04			
			4	53	39			
			5	57	29			
			6	59	12			
			7	61	47			
			8	64	15			
		10.36	9	66	52			
			10					
			11					



Profile No. ____ Notes Red ____ Plotted ____ Job No. 0[illegible] Division No. 45 P.O. 3223 Fig. 222-A

X-Sec. No. ____ Date ____ Date ____ Survey of M.D.R. BASIN "D"

Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes ____ Date 12-5-78

No. ____ Date ____ Date ____ Map No. ____ Indexed T.M. PALMER Date DEC 28 1978

76-L-298 CE 307 8-70

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LT	RT
		10 50				
0+50			4.43	6.07		↑ 1X2
			6.7	3.8		50'
			8.0	2.5		100'
			8.1	2.4		108' BK.
			12.1	-1.6		150'
				7.9	50'	
			LEVEL END	10.4	100'	
				11.7	152'	

Profile Notes Red ____ Plotted ____ Job No. 0739.72 Division No. 45
No. ____ Date ____ Date ____ Survey of BEACH AREA BASIN "D"
X-Sec. Notes Chk'd. ____ Checked ____ Survey by RICHARDS Notes J. T. Date
No. ____ Date ____ Date ____ Map No. ____ Indexed T.M. PALMER Date DEC 28 1978

F. B. 3223 PG. 223

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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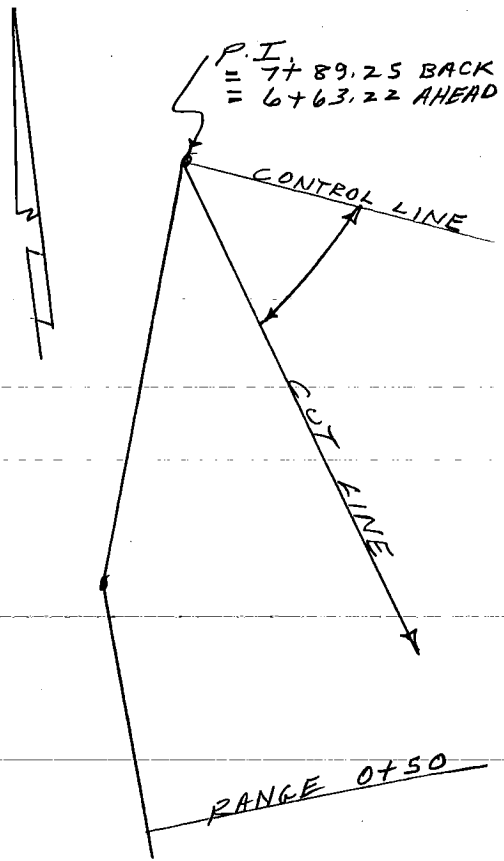
RANGE 0+50

Do not extend notes this side of this line.

RANGE 0+50

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
6+63.22	11+06.22	10.40	1	35	27			
			2	40	57			
			3	46	14			
			4	50	45			
			5	55	37			
			6	59	46			
			7	63	24			
		10.42	8	65	55			
			9					



Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0139.1 Division No. 45 P.B. 3223 PG. 223-A

X-Sec. No. ____ Date ____ Date ____ Survey of M.D.R. BASIN "D"

Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes ____ Date 12-5-78

Date ____ Date ____ Map No. ____ Indexed T.M. PALMERI Date DEC 28 1978

76-L-298 CE 307 8-70

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LT.	↑	RT.
		10 50					
1+00			4 42	6.08		↑	1 X 2
			6 6	3.9			50'
			7 8	2.7			100'
			7 8	2.7			103' BK.
			11 1	-0.6			150'
			LEUKER ROD	8 1	50'		
				10 4	100'		
				11 6	153'		

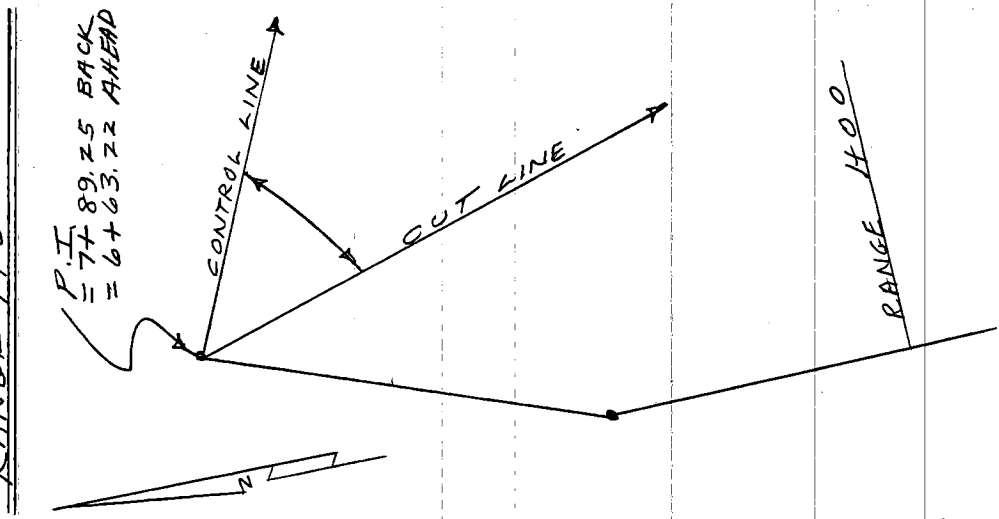
3223 224 Job No. 0139 Division No. 45 Notes Red Date Plotted Date Profile No.
Survey of M.D.R. - BASIN "D" Notes Chk'd. Checked Date X-Sec. No.
Survey by RICHARDS Notes J. T. Date
Indexed Date

Profile No. _____ Notes Red. _____ Date _____ Plotted _____ Date _____ Job No. _____ Division No. 45 | F.B. 3223 Pg. 224-A

X-Sec. No. _____ Notes Chkd. _____ Date _____ Checked _____ Date _____ Survey of M.D.R. BASIN "D"

Survey by RICHARDS Notes _____ Date 12-5-78

Map No. _____ Indexed T.M. PALMERI Date DEC 28 1978



RANGE 1+00

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RANGE 1+00

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
6+63.22	11+06.22	10.45	1	39	19			
			2	42	14			
			3	46	03			
			4	50	59			
			5	54	53			
			6	57	59			
			7	62	19			
		10.47	8	66	46			
			9					
			10					

76-L298 CE 307 3-61

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LT	↑	RT
		10 50					
1+50			4 19	06.31.		↑	1 X 2 T.P.
	4 83	11 14.					
			6 9	4.2			50'
			8 2	2.9			100'
			8 2	2.9			104' BK.
			13 2	−2.1			150'
				85	50'		
			LEHLER RD	10 8	100'		
				11 6	150'		
				11 6	156'		

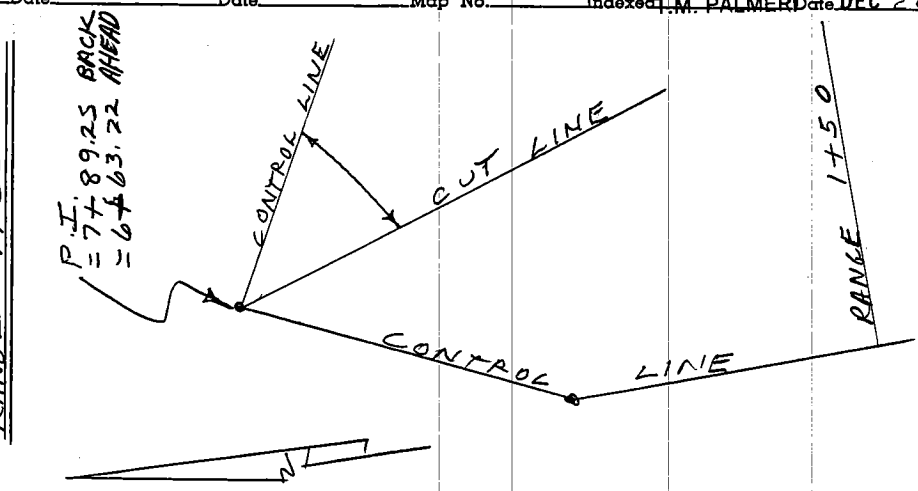
Profile Notes Red____ Plotted____ Job No. 0739.12 Division No. 45 | F. B. 3223 PG. 225
No.____ Date____ Date____ Survey of M.D.E.-BASIN "D"
X-Sec. No.____ Notes Chkd____ Checked____ Survey by RICHARDS Notes J.T. Date 11-29-78
Date____ Date____ Map No.____ Indexed T.M. PALMER Date DEC 28 1978

Profile No. _____ Notes Red. _____ Plotted _____ Job No. _____ Division No. 45 | 3223 225-A

Date _____ Date _____ Survey of M.D.R. BASIN "D"

X-Sec. No. _____ Notes Chkd. _____ Checked _____ Survey by RICHARDS Notes _____ Date 12-5-78

Date _____ Date _____ Map No. _____ Indexed T.M. PALMER Date DEC 28 1978



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RANGE 1+50

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
6+63.22	11+06.22	10.50	1	32	47			
			2	36	27			
			3	42	18			
			4	47	28			
			5	52	47			
			6	56	24			
			7	60	35			
			8	63	30			
			9	65	02			
		10.53	10	66	05			

76-L298 CE 307 3-61

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LT	RT
		11 14				
1+ 97 31			4 57	6.57		↑ 1X2
			6 8	4.3		50'
			8 2	2.9		100'
			8 4	2.7		112' BK.
			11 3	−0.2		150'
			LENKER ROD	9.0	50'	
				10.9	100'	
				11 6	150'	
				11 6	156'	

Profile
Plotted
Date
No.
X-Sec.
Checked
Date
No.
Notes Red
Date
Notes Chkd.
Date
Division No. 45
Job No. 0739.12
Survey of M.D.R.-BASIN "D"
Survey by RICHARDS Notes J. T.
Indexed
Date
3223 226

Profile No. ____ Notes Red. ____ Plotted ____ Job No. ____ Division No. 45 | F.B. 3223 PG. 226-A

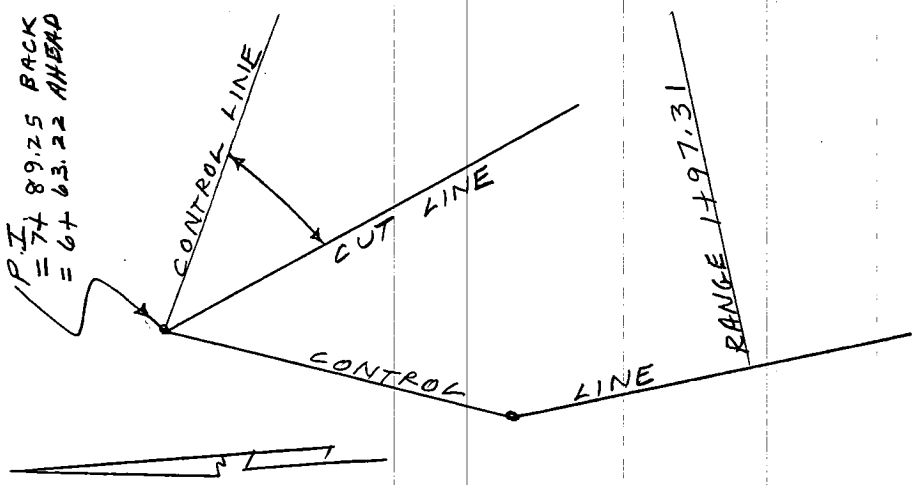
Date ____ Date ____ Survey of M.D.R. BASIN "D"

X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes ____ Date 12-5-78

Date ____ Date ____ Map No. ____ Indexed T.M. PALMERI Date DEC 28 1978

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

RANGE 1+97.31 B.C.



PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

RANGE 1+97.31 BC

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
+63.22	11+06.22	11.07	1	27	11			
			2	28	41			
			3	31	51			
			4	34	11			
			5	41	05			
			6	45	40			
			7	51	59			
			8	54	43			
			9	56	41			
			10	59	57			
		11.10	11	62	49			

76-L-298 CE 307 8-70

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LT	↑	RT
		11 14					
P.I			3 36	7.78		↑	1 X 2
			6 3	4.8			50'
			7 9	3.2			100'
			8 4	2.7			127' BK
			10 3	0.8			150'
			15 1	-4.0			200'
			LEVEL ROD	10 1	50'		
				11 0	100'		
				11 6	145'		

Profile Notes Red____ Plotted____ Job No. 07399.72 Division No. 45 F. B. 3223 Pg. 227
No.____ Date____ Date____ Survey of M.D.R. - BASIN "D"
X-Sec. Notes Chk'd.____ Checked____ Survey by RICHARDS Notes J. T. Date 11-29-78
No.____ Date____ Date____ Map No.____ Indexed T.M. PALMER Date DEC 8 1978

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

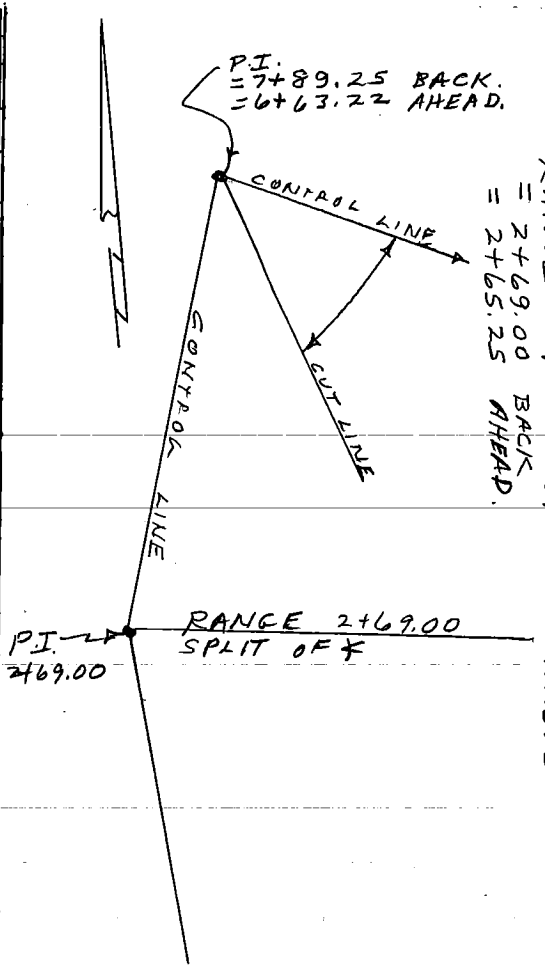
726 Los Angeles County Engineering Bldg.

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

P.I. 2+69 BACK
2+65.25 AHEAD

Do not extend notes this side of this line.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Deg.	Range Min.	Line	Card No
Don't Punch	Don't Punch	Don't Punch	Don't Punch						
0+63.22	11+06.22	11.13	1	35	35				
			2	40	26				
			3	48	28				
			4	51	54				
			5	55	02				
			6	58	44				
			7	60	43				
		11.16	8	60	49				



Profile

Notes Red. Plotted Job No. Division No. 45

No. Date Date Survey of M.D.P. BASIN "D" T. R. S. 3 2 23 PG. 227-A

X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes Date 12-5-78

No. Date Date Map No. Indexed T.M. PALMER Date DEC 28 1978

76-L-298 CE 307 8-70

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. 3223 Pg. 228 | Job No. 0739.72 Division No. 11 Notes Red Date Plotted Date Profile No.
Survey of M.D.R. - BASIN "D" Date Notes Chk'd. Date Checked Date X-Sec. No.
Survey by RICHARDS Notes J.T. Date Indexed Date

STATION	B. S.	H. I.	F. S.	ELEV.	LT	RT
		11 14				
3+36 94 EC	4 70		4 37	0677		↑ 1X2 J.P.
		11 47				
			70	4.5		50'
			85	3.0		100'
			90	2.5		120' BK.
			110	0.5		150'
			150	-3.5		190'
				9.3	50'	
			FENCE & ROD	11.1	100'	
				11.4	150'	
				11.5	158'	

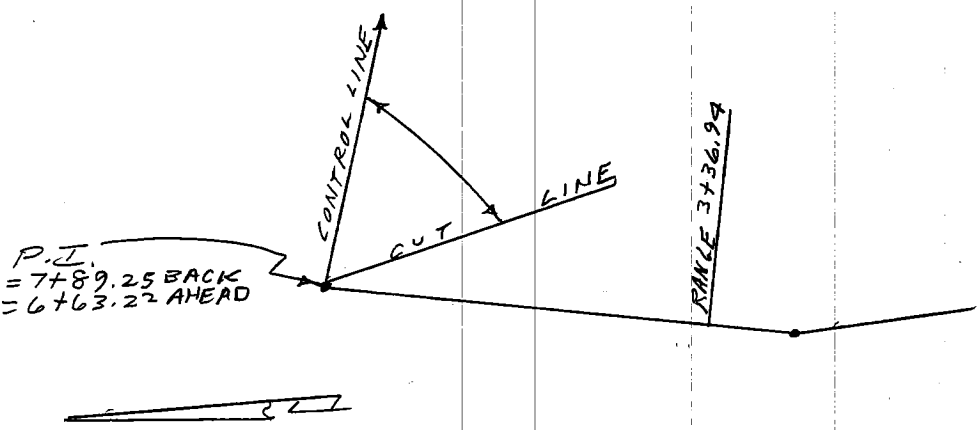
Profile No. _____ Notes Red. _____ Plotted _____ Job No. _____ Division No. 45 | 3223 | 228-A

X-Sec. No. _____ Date _____ Date _____ Survey of M.D.R. BASIN D

Notes Chkd. _____ Checked _____ Survey by RICHARDS Notes _____ Date 12-5-78

Date _____ Date _____ Map No. _____ Indexed T.M. PALMERI Date DEC 8 1978

RANGE 3+36.94 E.C.



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 SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

RANGE 3+36.94 EC

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
6+63.22	11+06.22	11.18	1	41	35			
			2	44	30			
			3	48	16			
			4	52	14			
			5	54	27			
			6	59	06			
		11.20	7	60	50			

76-L-298 CE 307 8-70

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LT	⊼	RT
		11 47					
3+86 94			4 68	6.79		⊼	1X2
			6 4	5.1			50'
			8 0	3.5			100'
			10 3	1.2			150'
			16 0	-4.5			200'
			2 7	08 8	50'		
			0 8	10 7	100'		
			0 2	11 3	150'		
			0 2	11 3	162'		

Profile Notes Red ____ Plotted ____ Job No. 0739.12 Division No. 45 F.B. 3223 Pg. 229
No. ____ Date ____ Date ____ Survey of M.D.R. BASIN "D"
X-Sec. Notes Chk'd. ____ Checked ____ Survey by RICHARDS Notes J.T. Date 11-29-78
No. ____ Date ____ Date ____ Map No. ____ Indexed T.M. PALMER Date DEC 28 1978

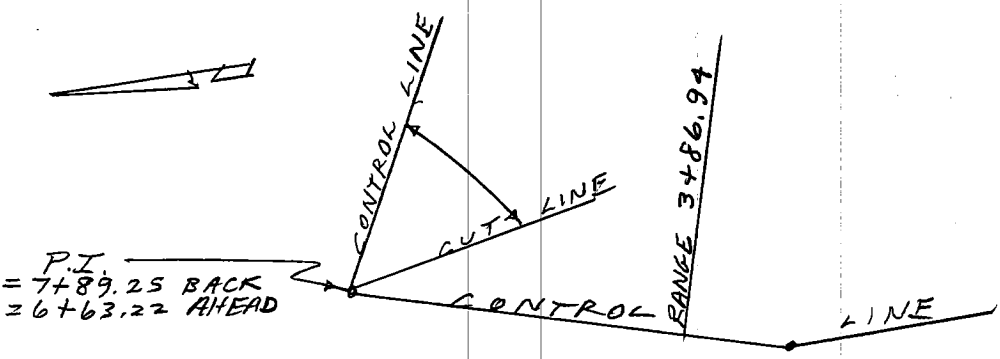
Profile No. _____ Notes Red. _____ Plotted _____ Job No. [illegible] Division No. 45 | F.B. 3223 Pg. 229-A

Date _____ Date _____ Survey of M.D.R. BASIN D

X-Sec. No. _____ Notes Chkd. _____ Checked _____ Survey by RICHARDS Notes T.M. PALMERI Date 12-5-78

Date _____ Date _____ Map No. _____ Indexed _____ Date DEC 28 1978

RANGE 3+86.94



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 SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

RANGE 3+86.94

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
6+63.22	11+06.22	11.22	1	41	40			
			2	45	07			
			3	49	19			
			4	53	40			
		11.24	5	56	25			

76-L-298 CE 307 8-70

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403 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

F. B. 3223 PG. 230 | Job No. 0739.12 Division No. 75
Survey of M.D.R. BASIN "D" Notes Red Plotted Profile
Survey by RICHARDS Notes J.T. Date Date No.
Indexed Date Notes Chk'd. Date Checked Date X-Sec. No.

STATION	B. S.	H. I.	F. S.	ELEV.	LT	RT
		11 47				
4+36 94			4 42	7.05		1X2
			6 0	5.5		50'
			7 8	3.7		100'
			10 0	1.5		150'
			12 9	−1.4		200'
			3 1 08 4		50'	
			1 9 09 6		100'	
			0 8 10 7		143'	

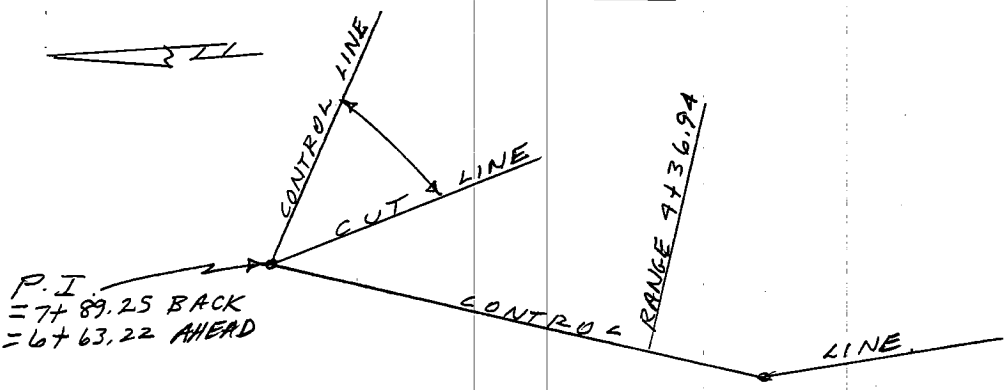
Profile No. _____ Notes Red. _____ Plotted _____ Job No. _____ Division No. 45 | F. B. 3223 Pg. 230-A

Date _____ Date _____ Survey of M.D.R. BASIN D

X-Sec. No. _____ Notes Chkd. _____ Checked _____ Survey by RICHARDS Notes _____ Date 12-5-78

Date _____ Date _____ Map No. _____ Indexed T.M. PALMER Date DEC 28 1978

RANGE 4+36.94



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 SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

RANGE 4+36.94

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
6+63.22	11+06.22	11.26	1	35	57			
			2	38	27			
			3	40	55			
			4	42	52			
			5	45	23			
			6	48	18			
		11.28	7	50	00			

76-L-298 CE 307 8-70

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LT	RT
		11 47				
4+86 94			4 08	07 39		1X2 T.P.
	5 03	12 42				
			7 2	5.2		50'
			9 0	3.4		100'
			10 8	1.6		150'
			13 4	-1.0		200
			3 0	09 4	50'	
			1 8	10 6	100'	
			1 3	11 1	147'	

Profile Notes Red Plotted Job No. 0739.72 Division No. 45 F.B. 3223 PG. 231
No. Date Date Survey of M.D.R. BASIN 'D'
X-Sec. Notes Chk'd Checked Survey by RICHARDS Notes J.T. Date 11-29-78
No. Date Date Map No. Indexed T.M. PALMER Date DEC 28 1978

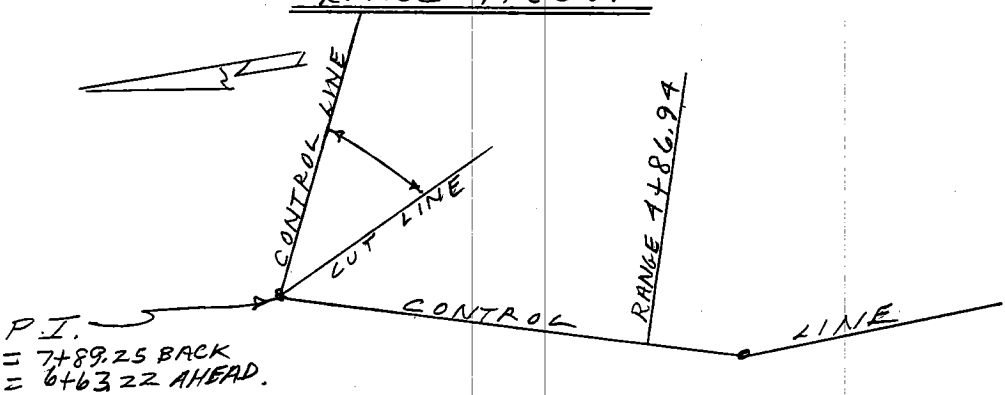
Profile No. _____ Notes Red. _____ Plotted _____ Job No. _____ Division No. 45 | P.B. 3223 Pg. 231-A

Date _____ Date _____ Survey of M.D.R. BASIN D

X-Sec. No. _____ Notes Chkd. _____ Checked _____ Survey by RICHARDS Notes _____ Date 12-5-78

Date _____ Date _____ Map No. _____ Indexed T.M. PALMER Date DEC 28 1978

RANGE 4+86.94



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 SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

RANGE 4+86.94

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
6+63.22	11+06.22	11.31	1	29	57			
			2	31	50			
			3	34	25			
			4	37	15			
			5	39	36			
			6	42	42			
		11.33	7	44	35			

76-L-298 CE 307 8-70

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403 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

F. B. 3223 Pg. 232 | Job No. 0739.72 Division No. 45
Survey of M.D.R. BASIN "D"
Survey by RICHARDS Notes J. T.
Indexed Date
Profile No. X-Sec. No.
Plotted Date
Checked Date
Notes Red Date
Notes Chk'd. Date

STATION	B. S.	H. I.	F. S.	ELEV.	LT		RT.	
		12 42						
5+21 16			4 49	7.93			1 X 2	
			6 9	5.5			50	'
			8 8	3.6			100	'
			10 6	1.8			150	'
			13 4	-1.0			200	'
			2 3	10 1	50	'		
			1 2	11 2	100	'		
			1 0	11 4	138	'		

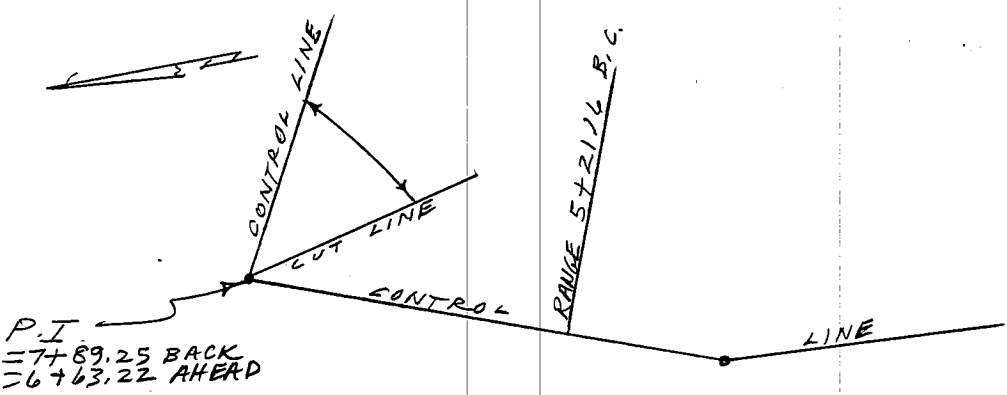
Profile No. _____ Notes Red. _____ Plotted _____ Job No. 0139.1 Division No. 45 | F. B. 3223 PG. 232-A

Date _____ Date _____ Survey of M.D.R. BASIN D

X-Sec. No. _____ Notes Chkd. _____ Checked _____ Survey by RICHARDS Notes _____ Date 12-5-78

Date _____ Date _____ Map No. _____ Indexed T.M. PALMERI Date DEC 28 1978

RANGE 5+21.16 B.C.



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 SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

RANGE 5+21.16 BC

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
+63.22	11+06.22	1.23	1	25	27			
			2	26	11			
			3	27	10			
			4	30	16			
			5	31	45			
			6	33	44			
			7	36	04			
			8	38	33			
		1.25	9	39	58			

76L298 307 Cdb 12-62

76-L-298 CE 307 8-70

5 21 16
48 69 4
34 22

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LT	RT.
		12 42				
5+71 16			3 62	08 8	(1x2)	
			5 9	06 5		50'
			7 9	04 5		100'
			9 7	02 7		150'
			11 1	01 3		200
			1 6	10 8	50'	
			1 0	11 4	100'	
			0 9	11 5	119'	

Profile Notes Red ____ Plotted ____ Job No. 073972 Division No. 45 F.B. 3223 PG. 233
No. ____ Date ____ Date ____ Survey of M.D.R. BASIN "D"
X-Sec. Notes Chk'd. ____ Checked ____ Survey by RICHARDS Notes J.T. Date ____
No. ____ Date ____ Date ____ Map No. ____ Indexed T.M. PALMERI Date DEC 28 1978

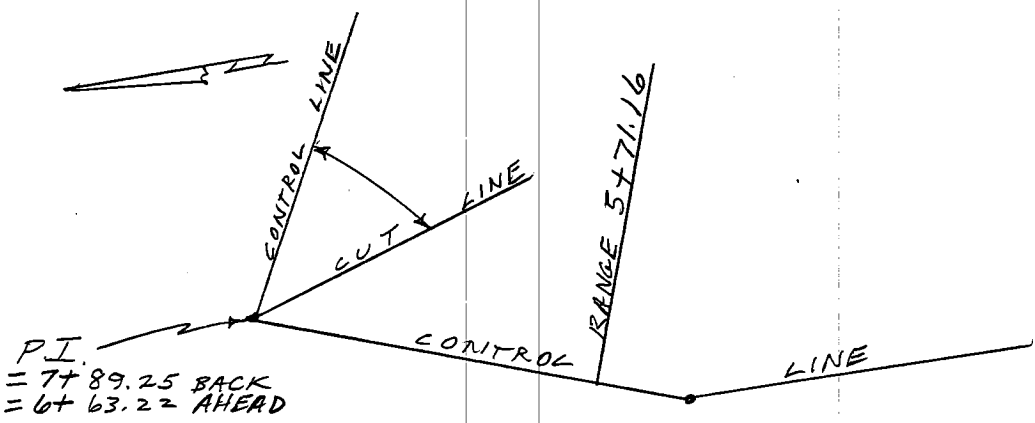
Profile No. _____ Notes Red. _____ Plotted _____ Job No. 0139.12 Division No. 45 | F. B. 3223 PG. 233-A

Date _____ Date _____ Survey of M.D.R. BASIN D

X-Sec. No. _____ Notes Chkd. _____ Checked _____ Survey by RICHARDS Notes _____ Date 12-5-78

Date _____ Date _____ Map No. _____ Indexed T.M. PALMERI Date DEC 28 1978

RANGE 5+71.16



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 SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

RANGE 5+71.16

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
6+63.22	11+06.22	1.28	1	19	42			
			2	20	51			
			3	24	10			
			4	25	27			
			5	26	26			
			6	28	02			
			7	30	07			
			8	30	47			
		1.30	9	31	37			

76L298 307 CGD 12-02

F. B. 3223 PG. 234 | Job No. 073972 | Division No. 45 | Notes Red ___ | Plotted ___ | Profile

Survey of M.D.R. BASIN "D" | Date ___ | Date ___ | No. ___

Survey by RICHARDS | Notes J.T. | Notes Chk'd. ___ | Checked ___ | X-Sec.

Indexed ___ | Date ___ | Date ___ | Date ___ | No. ___

76-L-298 CE 307 8-70

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.	LT
		12 42			
6+21 16			2 73	09 69	(1.42)
	5 29	14 98			
			7 2	07 8	
			9 4	05 6	
			11 0	04 0	
			11 7	03 3	
			4 0	11 0	50'
			3 5	11 5	94'

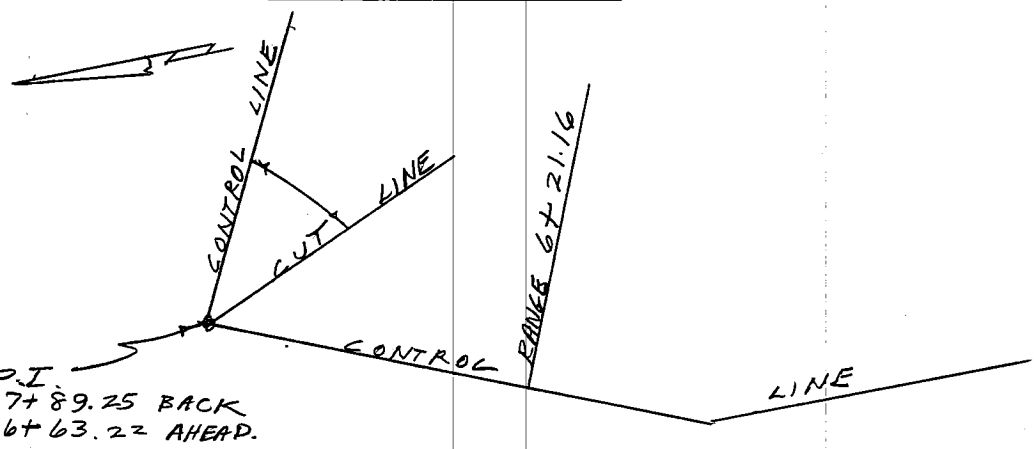
Profile No. _____ Notes Red. _____ Plotted _____ Job No. 0139, ... Division No. 45 | F.B. 3223 PG. 234-A

Date _____ Date _____ Survey of M.D.R. BASIN D

X-Sec. No. _____ Notes Chkd. _____ Checked _____ Survey by RICHARDS Notes _____ Date 12-5-78

Date _____ Date _____ Map No. _____ Indexed T.M. PALMERO Date DEC 28 1978

RANGE 6+21.16



P.I.
=7+89.25 BACK
=6+63.22 AHEAD.

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 SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

RANGE 6+21.16

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
6+63.22	11+06.22	1 33	1	16	45			
			2	17	27			
			3	19	51			
			4	21	07			
			5	22	33			
			6	24	51			
			7	25	03			
		1.35	8	24	50			

76L298 307 CGD 12-02

76-L-298 CE 307 8-70

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. 0739.72 Division No. 45
No.____ Date____ Date____ Survey of M.D.R. BASIN "D"
X-Sec. Notes Chk'd____ Checked____ Survey by RICHARDS Notes J.T.
No.____ Date____ Date____ Map No.____ Indexed T.M. PALMER Date DEC 28 1978

F. B. 3223 PG 235

STATION	B. S.	H. I.	F. S.	ELEV.	LT	T	RT
		14 98					
6+71 16			4 33	10 65	(142)		
			5 9	09 1			50'
			8 0	07 0			100'
			10 2	04 8			150'
			11 1	03 9			200'
			11 5	03 5			235'
			3 6	11 4	50'		
			3 7	11 3	63'		

76-L-298 CE 307 8-70

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.	LT	℄	RT
		14 98					
7+21 ℄			3 53	11 45	(.42)		
			4 5	10 5			50'
			6 6	08 4			100'
			8 5	06 5			150'
			9 5	05 5			200'
			10 2	04 8			250'
			3 6	11 4	14'		

F. B. 3223 PG. 236 Job No. 073972 Division No. 45 Notes Red ____ Plotted ____ Profile ____
Survey of M.D.R. BASIN "D" Date ____ Date ____ No. ____
Survey by RICHARDS Notes L.T. Notes Chk'd ____ Checked ____ X-Sec. ____
Indexed ____ Date ____ Date ____ Date ____ No. ____

76-L-298 CE 307 8-70

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. 0732K Division No. 45 F. B. 3223 PG. 237
No.____ Date____ Date____ Survey of M.D.C., BASIN "D"
X-Sec. Notes Chk'd____ Checked____ Survey by REYNOLDS Notes J.T. Date
No.____ Date____ Date____ Map No.____ Indexed T.M. PALMER Date DEC 28 1978

STATION	B. S.	H. I.	F. S.	ELEV.	
		14 98			
P.I.					
6+63 22 AH.			2 38	12 60	℄ (142)
7 ~			3 2	11 8	℄
7+50			4 0	11 0	℄
8 ~			5 9	09 1	℄
8+50			7 3	07 7	℄
9 ~			8 2	06 8	℄

76-L-298 CE 307 8-70

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.	LT	℄	RT.
		14 98					
9+31 31			8 73	06 25	(142)		
	4 83	11 08					
			6 4	04 7			50'
			7 7	03 4			100'
				08 0	50'		
			LEVICER ROD	10 1	100'		
				12 8	150'		

F. B. 3223 PG. 238 | Job No. 073972 Division No. 45 Notes Red ____ Plotted ____ Profile ____
Survey of M.D.R. BASIN "D" Date ____ Date ____ No. ____
Survey by RICHARDS Notes J.T. Notes Chk'd. ____ Checked ____ X-Sec. ____
Indexed ____ Date ____ Date ____ No. ____

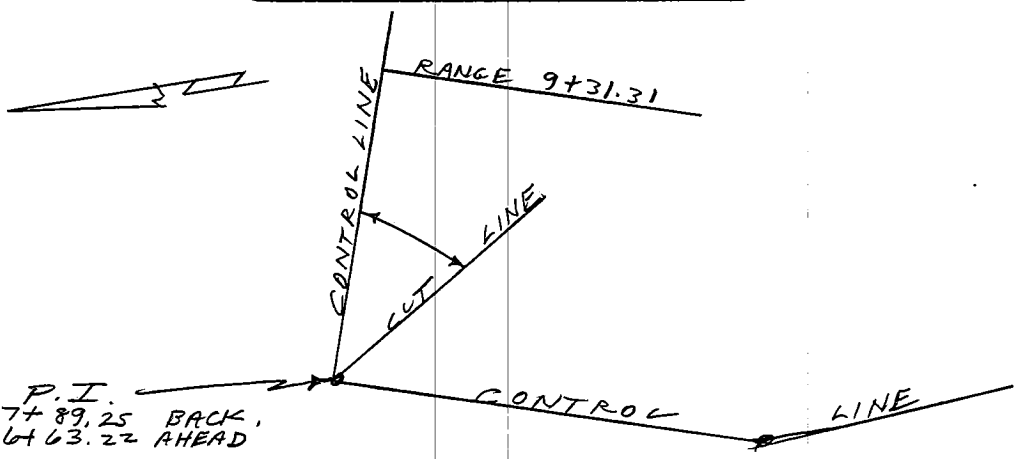
Profile No. _____ Notes Red. _____ Plotted _____ Job No. 0133.1 Division No. 45 | F. B. 3223 PG. 238-A

Date _____ Date _____ Survey of M.D.R. BASIN D

X-Sec. No. _____ Notes Chkd. _____ Checked _____ Survey by RICHARDS Notes _____ Date 12-5-78

Date _____ Date _____ Map No. _____ Indexed T.M. PALMERI Date DEC 28 1978

RANGE 9+31.31 E.C.



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 SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

RANGE 9+31.31 EC

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
6+63.22	11+06.22	1.40	1	58	32			
			2	55	20			
		1.41	3	51	37			

76L298 307 CGD 12-02

76-L-298 CE 307 8-70

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.	LT	℄	RT
		11 08					
9+81 31			4 90	06 18	(442)		
			6 7	04 4			50'
			7 9	03 2			90'
				08 3	50'		
			LENKER ROD	11 0	100'		
				13 4	137'		

Profile Notes Red ____ Plotted ____ Job No. 073972 Division No. 45 F. B. 3223 PG. 239
No. ____ Date ____ Date ____ Survey of M.D.R. BASIN "D"
X-Sec. Notes Chk'd. ____ Checked ____ Survey by RICHARDS Notes J.T. Date ____
No. ____ Date ____ Date ____ Map No. ____ Indexed T.M. PALMERI Date DEC 28 1978

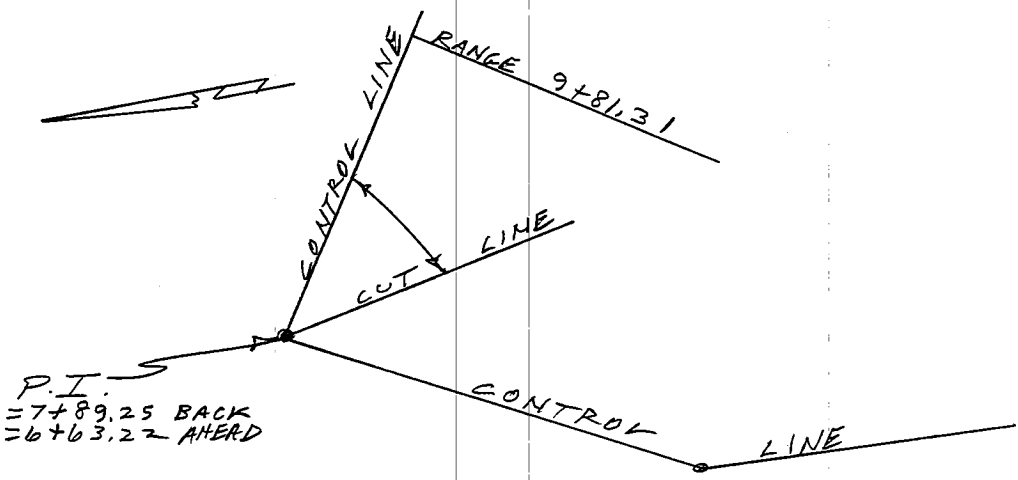
Profile No. _____ Notes Red. _____ Plotted _____ Job No. 0139.1 Division No. 45 | F.B. 3223 PG. 239-A

Date _____ Date _____ Survey of M.D.R. BASIN "D"

X-Sec. No. _____ Notes Chkd. _____ Checked _____ Survey by RICHARDS Notes _____ Date 12-5-78

Date _____ Date _____ Map No. _____ Indexed T.M. PALMERI Date DEC 28 1978

RANGE 9+81.31



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 SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

RANGE 9+81.31

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
+63.22	11+06.22	1.43	1	45	26			
			2	42	01			
			3	37	46			
			4	33	47			
			5	29	48			
		1.44	6	25	[illegible]			

76L298 307 Cdb 12-62

76-L-298 CE 307 8-70

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.	LT	℄	RT
		11 08					
10+31 31			4 35	06 73	(142)		
			6 8	04 3			50'
			7 6	03 5			75'
				09 1	50'		
			LENKER ROD	12 3	100'		
				13 3	122'		

F. B. 3223 Pg. 240 Job No. 0739.72 Division No. 45 Notes Red ____ Plotted ____ Profile ____
Survey of M.D.R. BASIN "D" Date ____ Date ____ No. ____
Survey by RICHARDS Notes J.F. Notes Chk'd. ____ Checked ____ X-Sec. ____
Indexed ____ Date ____ Date ____ Date ____ No. ____

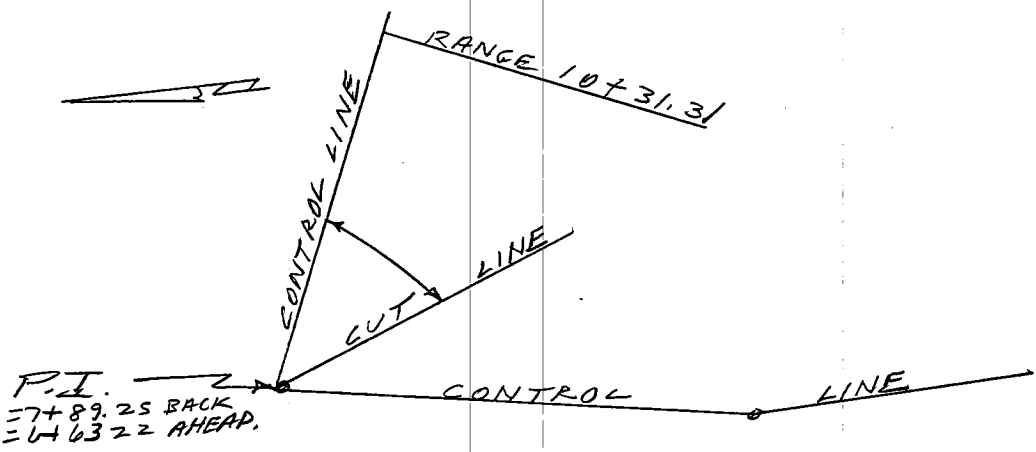
Profile No. ____ Notes Red. ____ Plotted ____ Job No. ____ Division No. 45 | F.B. 3223 PG. 240-A

Date ____ Date ____ Survey of M.D.R. BASIN D

X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes ____ Date 12-5-78

Date ____ Date ____ Map No. ____ Indexed T.M. PALMERI Date DEC 28 1978

RANGE 10+31.31



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 SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

RANGE 10+31.31

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
6+63.22	11+06.22	1.46	1	46	20			
			2	43	06			
			3	39	04			
			4	35	30			
			5	29	46			
			6	25	12			
		1.48	7	20	33			

76L298 307 CDD 12-02

76-L-298 CE 307 8-70

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.

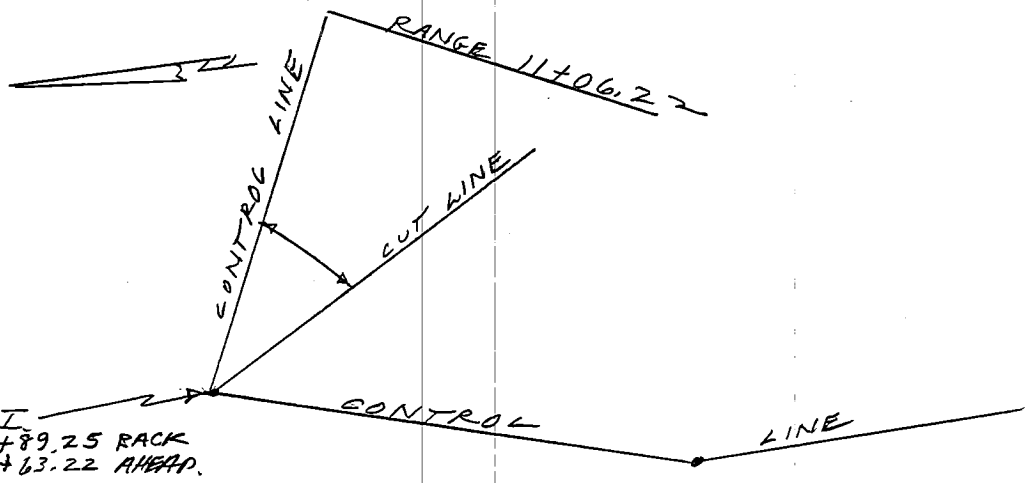
Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LT	℄	RT
		11 08					
11+06 22			3 01	08 07	(.42)		
			5 9	05 2			50'
			7 9	03 2			90'
			LEVELER ROD	11 1	50'		
				12 2	71'		
B. M. # S-61			1 08	10 00	SEE PG. 222	EL. = 10.00	

Profile Notes Red ____ Plotted ____ Job No. 0739.72 Division No. 45 F. B. 3223 Pg. 241
No. ____ Date ____ Date ____ Survey of M.D.R. BASIN "D"
X-Sec. Notes Chk'd. ____ Checked ____ Survey by RICHARDS Notes J.T. Date ____
No. ____ Date ____ Date ____ Map No. ____ Indexed T.M. PALMER Date DEC 28 1978

Profile No. | Notes Red. | Plotted | Job No. | Division No. 45 | P.B. 3223 | Pg. 241-A
Date | Date | Survey of M.D.R. BASIN D
X-Sec. No. | Notes Chkd. | Checked | Survey by RICHARDS | Notes | Date 12-5-78
Date | Date | Map No. | Indexed T.M. PALMER | Date DEC 28 1978

RANGE 11+06.22



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 SURVEYOR
726 Los Angeles County Engineering Bldg.

RANGE 11+06.22 Do not extend notes this side of this line.

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No. Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	For Office Use Only Range Line Min.	For Office Use Only Card No.
11+63.22	11+06.22	1:57	1	40	36			
			2	36	39			
			3	33	12			
			4	26	40			
			5	21	44			
		1:52	6	19	27			

Profile No. ____ Notes Red. ____ Plotted ____ Job No. ____ Division No. 45 | F.B. 3223 | Pg. 242

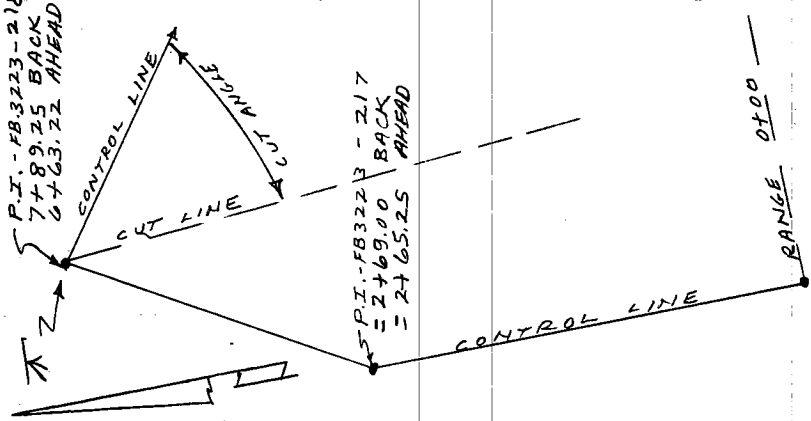
Date ____ Date ____ Survey of M.D.R. BASIN "D"

X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes WAR Date 11-29-78

Date ____ Date ____ Map No. ____ Indexed T.M. PAL Date DEC 28 1978

J.N. 0739.72
M.D.R. - BASIN "D"
BEACH RESHAPING

CUT ANGLES FOR SAND DEPTHS



RANGE 0+00

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 SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
P.I.	11+06.22	A.M.	1	71	04			
			2	69	58			
			3	69	14			
			4	68	18			
			5	66	43			
			6	65	00			

76342UA - CE 333A - Cab 7-62

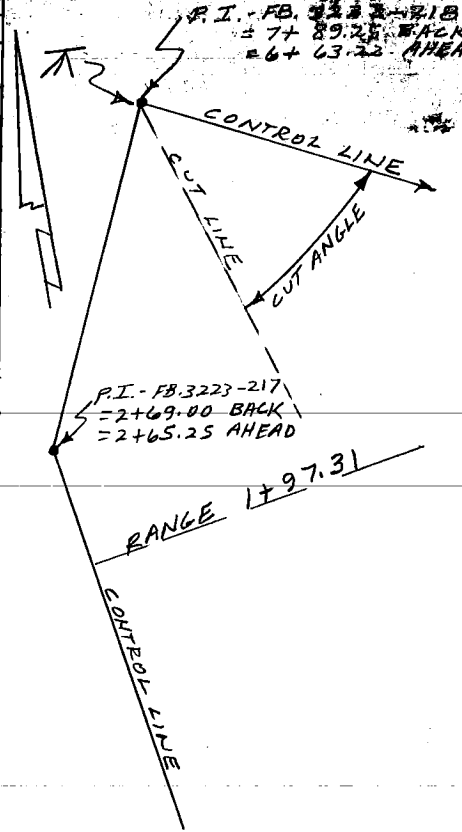
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
720 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

RANGE 1+97.31

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
P.I.	11+06.22	(7)	1	65	03			
		(8)	2	66	30			
		(9)	3	64	04			
		(10)	4	67	27			
		(11)	5	69	51			
		(12)	6	70	45			
		(13)	7	71	31			



CUT ANGLES FOR SAND DEPTHS
BASIN "D"
BEACH RESHAPING

Profile
Notes Red. Plotted Job No. 3223.243
No. Date Date Survey of M.D.R. BASIN "D" Division No. 5
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes Date
No. Date Map No. Indexed T.M. PALMER Date DEC 28 1978

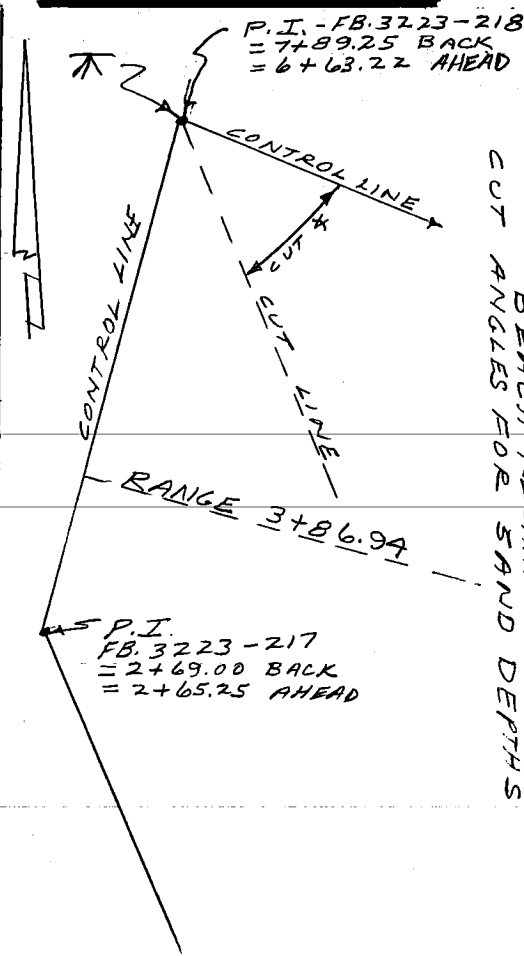
765420A • CE 353A • Cab Y-62

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. RANGE 3+86.94

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
P.I.	114 J 22	(14)	1	59	56			
		(15)	2	60	34			
		(16)	3	62	18			
		(17)	4	63	42			
		(18)	5	64	56			



CUT ANGLES FOR SAND DEPTHS
BEACH RESHAPING
BASIN "D"

Profile Notes Red. Plotted Job No. Division No. 45 | T.B. 3223 PG 244
No. Date Date Survey of M.D.R. BASIN "D"
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes
No. Date Date Map No. Indexed by P.L. PALMER Date DEC 28 1978

Profile No. _____ Notes Red. _____ Plotted _____ Job No. 0739 Division No. 45 | F.B. 3223 Pg. 245

Date _____ Date _____ Survey of M.D.R. BASIN "D"

X-Sec. No. _____ Notes Chkd. _____ Checked _____ Survey by RICHARDS Notes _____ Date _____

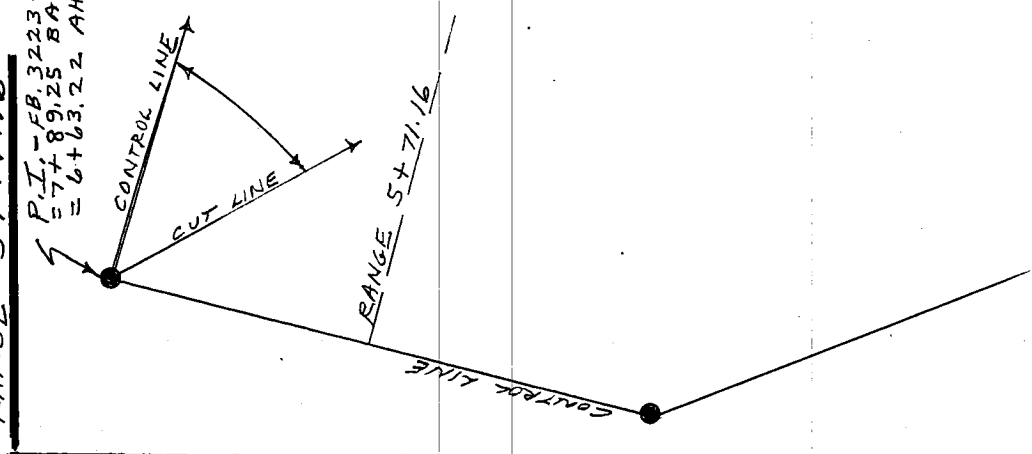
Date _____ Date _____ Map No. _____ Indexed T.M. PALMERI Date DEC 28 1978

J.N. 0739.

BASIN "D"

BEACH RESHAPING

CUT ANGLES FOR SAND DEPTHS



RANGE 5+71.16

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 SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

INST. AT DON'T PUNCH	SIGHT ON DON'T PUNCH	TIME DON'T PUNCH	ANGLE Nº DON'T PUNCH	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
P.I.	11+06.22	(19)	1	38	22			
		(20)	2	36	38			
		(21)	3	33	49			
		(22)	4	30	09			
		(23)	5	27	28			
		(24)	6	25	31			
		(25)	7	23	38			
		(26)	8	22	24			
		(27)	9	21	06			
		(28)	10	20	33			
		(29)	11	19	13			
		(30)	12	18	11			

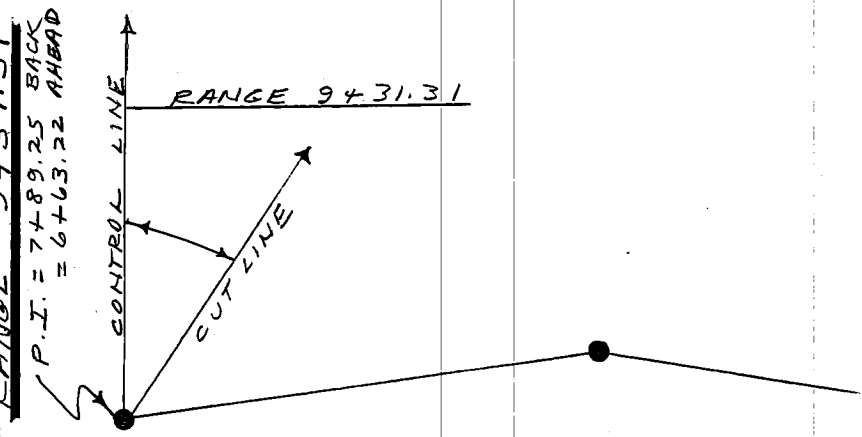
Profile No. ____ Notes Red. ____ Plotted ____ Job No. ____ Division No. 45 | F.B. 3223 Pg. 246

Date ____ Date ____ Survey of M.D.R. - BASIN "D"

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

Date ____ Date ____ Map No. ____ Indexed T.M. PALMER Date DEC 28 1978

BASIN "D"
BEACH RESHAPING
CUT ANGLES FOR SAND DEPTHS



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 SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
P.I.	11+06.22	(31)	1	34	23			
		(32)	2	36	52			
		(33)	3	38	55			
		(34)	4	41	00			
		(35)	5	40	48			

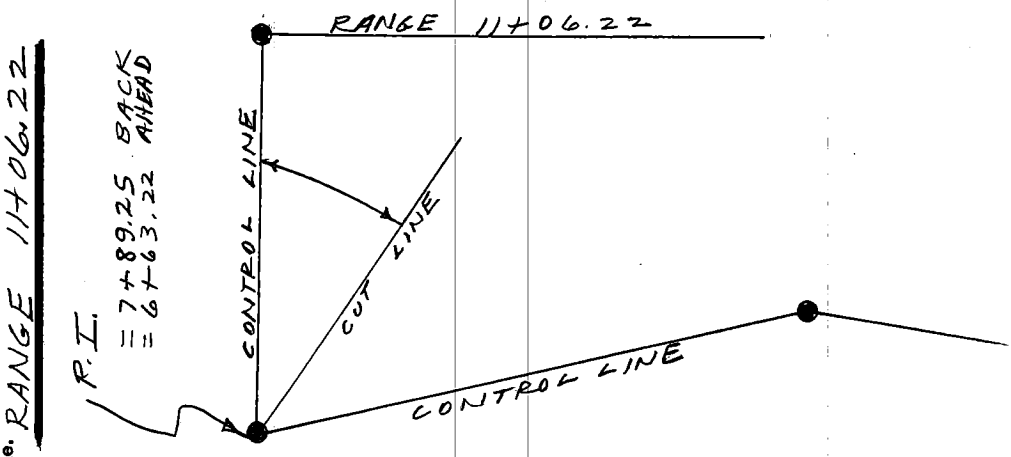
Profile No. _____ Notes Red. _____ Plotted _____ Job No. _____ Division No. 45 | P.B. 3223 Pg. 247

X-Sec. No. _____ Date _____ Date _____ Survey of M.D.R. BASIN "D"

Notes Chkd. _____ Checked _____ Survey by RICHARDS Notes _____ Date _____

Date _____ Date _____ Map No. _____ Indexed T.M. PALMERI Date DEC 28 1978

M.D.R. BASIN "D"
BEACH RESHAPING
CUT ANGLES FOR SAND DEPTHS



RANGE 11+06.22

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 SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
P.I.	11+06.22	(36)	1	26	13			
		(37)	2	27	20			
		(38)	3	25	49			
		(39)	4	23	33			
		(40)	5	21	47			
		(41)	6	22	30			