Notes Ck'd by
Map No.
Office Work
Checked

Survey of
JN Tape Std °F
Surveyed by
Notes Date
Indexed

F. B. PG.

FOR LATER SURVEY

SEE

F.B. 3455

Microfilmed Nov. 85

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F. B. _____ Pg. _____

Notes Ck'd by	Survey of	F.B. 2658 Pg.
Map No.	JN Tape Std °F	
Office Work	Surveyed by	
Checked	Notes Date	
Date	Indexed	

Page	Job	Description
		MARINA DEL REY 8910.07
5-15	C.L.	C.L. survey Lincoln Blvd. drainage Unit 2.
17-29	Elev.	Elevs. of Lines A, B, & C for Lincoln Blvd. Drainage Unit #2.
31-48		Bulkheads Survey.
49-50		Bulkhead line (Sta. 359+00 to Sta. 361+10.21).
51-54		Bulkheads profile at Mole #4.
55-58		Bulkheads line X-sec. on south side Basin H.
59-67	X-Sec.	Re-X-sec. of area near Basin E from Sta. 218+00 to Sta. 243+00.
69-74	Util.	Administration Area-0739.05-Underground utilities & ground line for underground conduit.
75-84	X-Sec.	X-Sec. of slide area from Sta. 373+50 to Sta. 377+50.
85-86	X-Sec.	Revised bulkhead line X-Sec. from Sta. 393+54.75 to Sta. 396+37.85.
91-95	X-Sec.	Lincoln Blvd. Drainage Unit 2-Dike cross-sections.
97-98	Util.	Location of Gas Pipes in Parcel #62 & Parcel #2.

(cont'd on next page)

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76P3098 CE #210 8-66

F.B. 2658 Pg.

Page	Job	Description
99-112	Elev.	Bulkheads Survey-Elev. on 30' off set line.
113-129	Prof.& X-Sec.	Mole 3.
130-134	Elev.	Bulkheads Survey-Elev. on 30' off set line.
135-136	Prof.& X-Sec.	West end Basin "C".
137-148	Prof.& X-Sec.	Mole 2.
149-169	Prof.& X-Sec.	Mole 1.
170-182	X-Sec.	No. side Basin "A".
183-192	Prof.& X-Sec.	Along So. side Basin H & East side Main Channel.
193-197	Topog.	Stadia topog. at Sta. 0+00.
199-202	Topog.	Stadia topog. at Sta. 396+03.78.
203-212	X-sec.	Of Beach Sand Stock Pile for W. end Basin D.
213-214	Test	Administration bldg. site-test hole locations.
215-218	Elev.	Elevations of extra excavations.
219-220	Util.	Loc. of gas lines near proposed Administration Bldg. Site.
221-224		Bulkhead Line on south side Mole #6.

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(cont'd on next page)

Notes Ck'd by	Survey of	F.B. 2658 Pg.
Map No.	JN Tape Std °F	
Office Work	Surveyed by	
Checked	Notes Date	
Date	Indexed	

Page	Job	Description
227-256	X-Sec.	X-Sections on south, west & north sides of Basin "E".
257-262	X-Sec.	Channel bottom cross-sections adjacent to bulkheads.

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76P3095 CK #310 5-66

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Notes Ck'd by	Survey of Lincoln Drain Unit 2	F. B 2658 Pg. 5
Map No.	JN 8910.07 Tape 0195 Std 68 °F	
Office Work	Surveyed by English	
Checked	Notes Ed. Date 7-25-60	
Date	Indexed H. E. OTT OCT 24 '60	

MARINA DEL REY

J.N. 8910.07

LINCOLN BLVD.
DRAINAGE
UNIT 2

CENTERLINE
SURVEY

July 25, 1960
English
Landa
Foulger
Dupuis
Clifford

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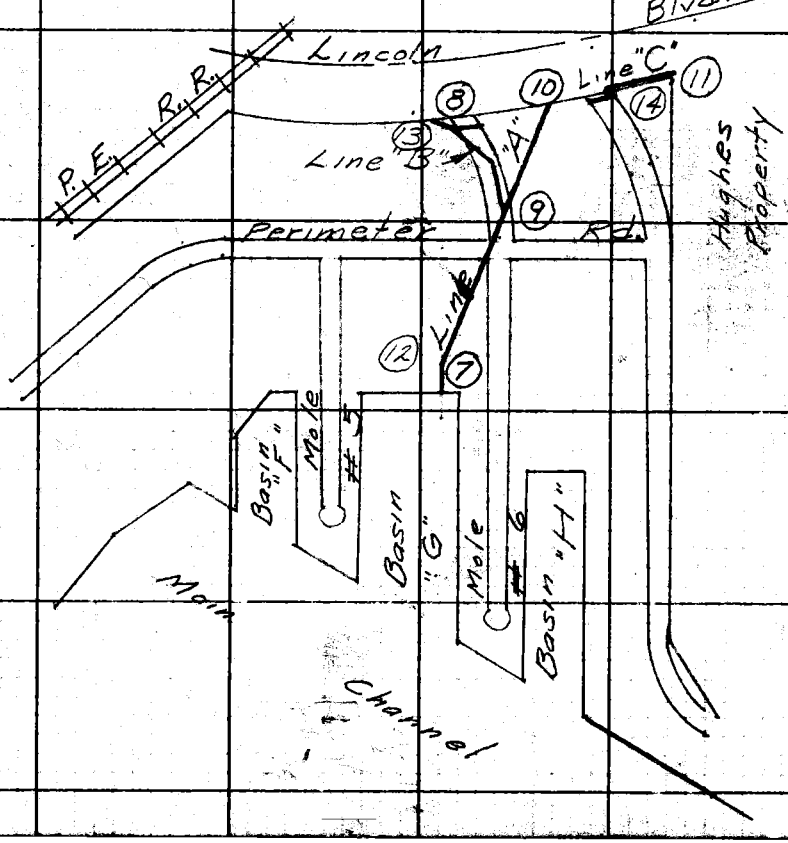
F. B. 2658 PG. 6

INDEX MAP

Note: Drains shown in red



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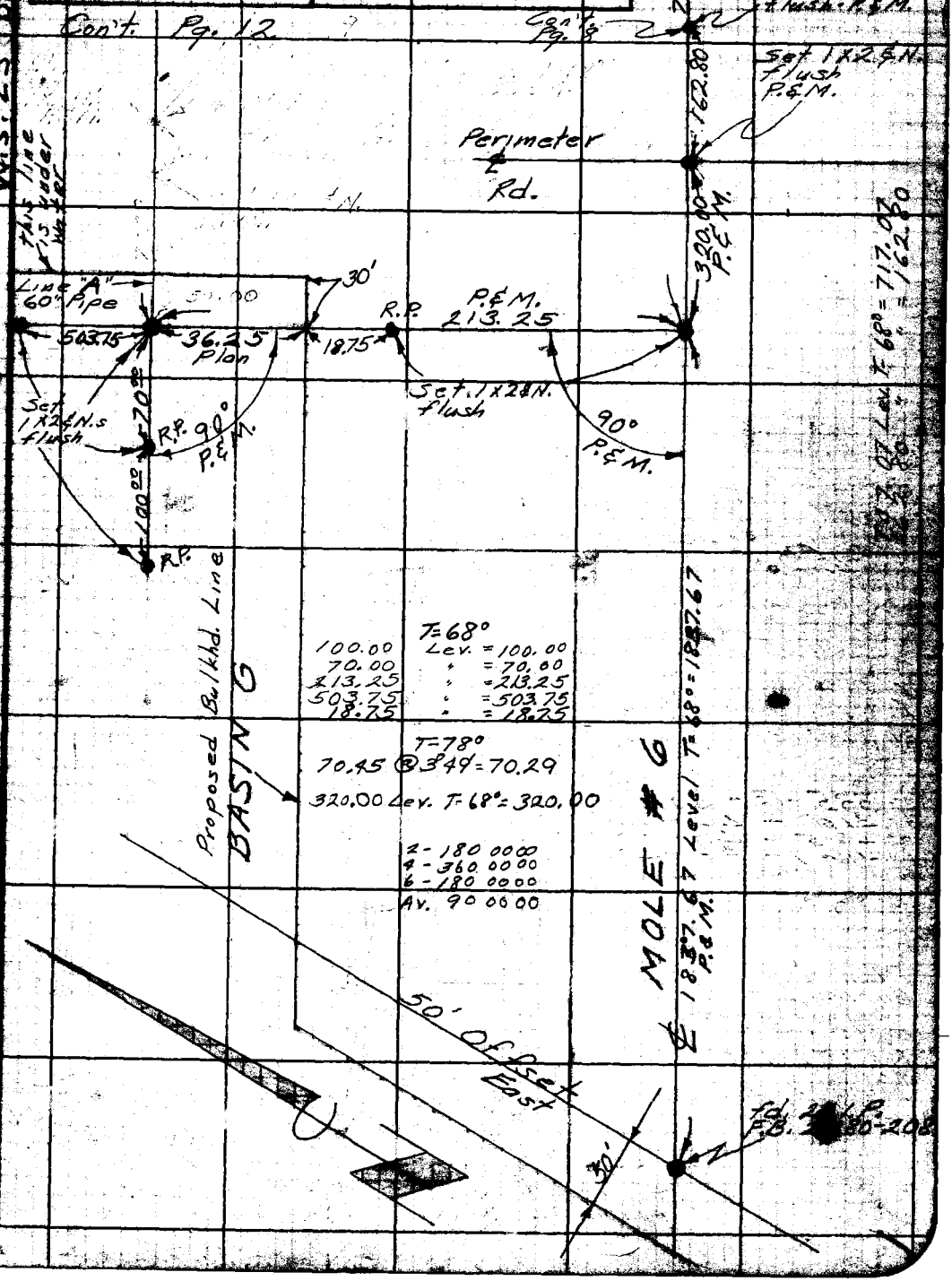
Office Work	Surveyed by English
Checked	Notes Ed. Date 7-21-60
Date	Indexed B. E. OH

F. B. 2658 Pg. 7



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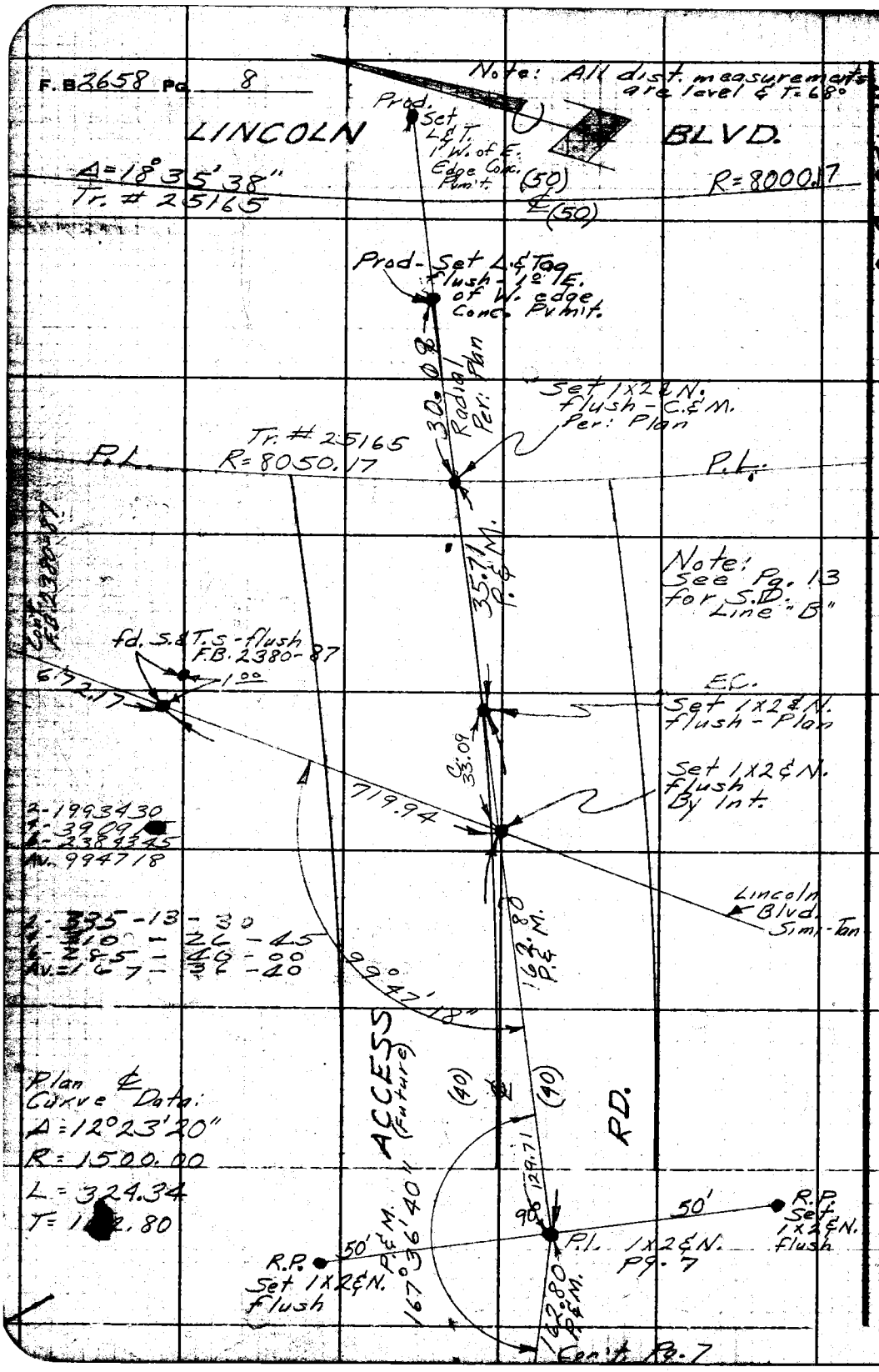

W.S. 23-B-3

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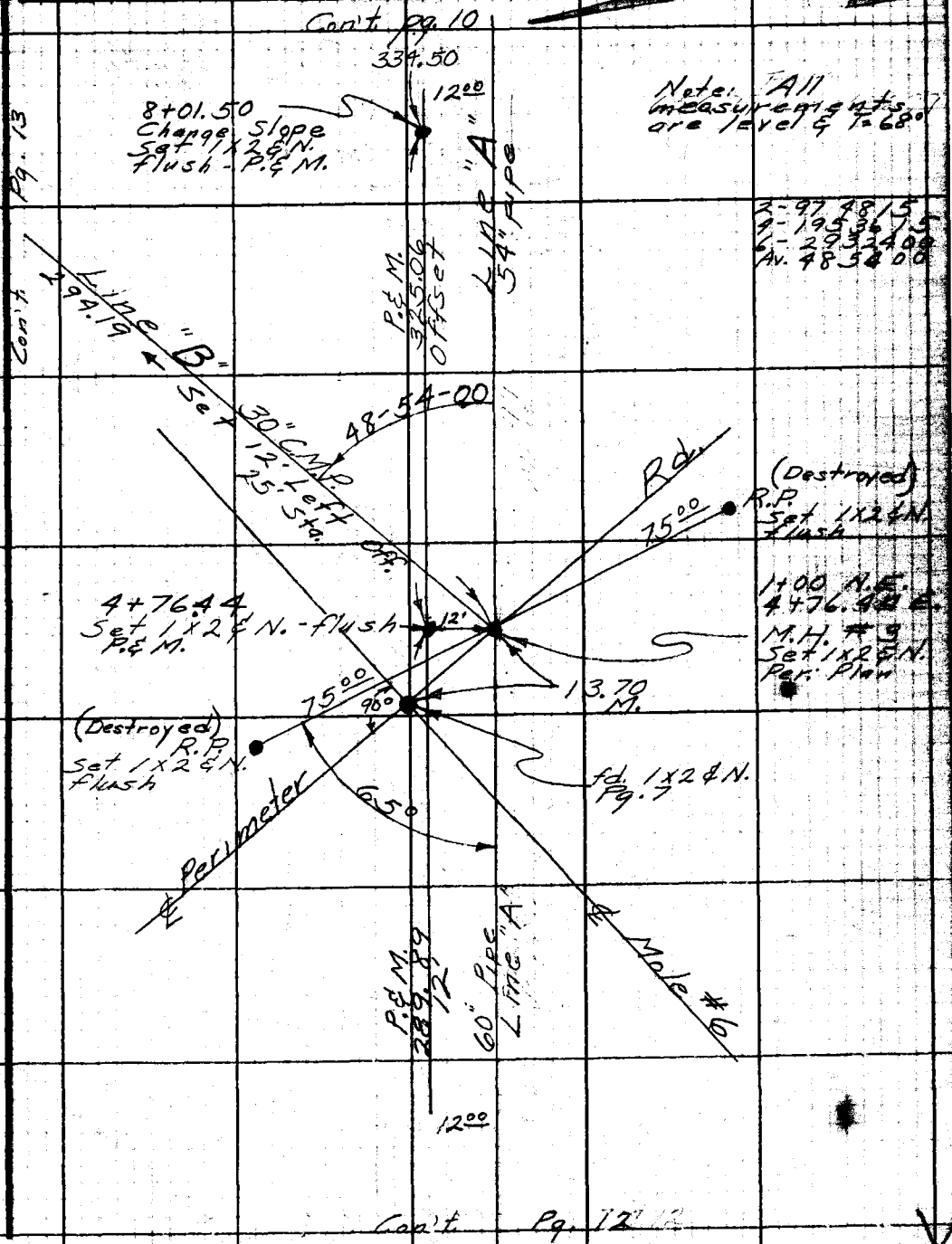
Notes Ck'd by	Survey of Lincoln Drain #2	F. B. 2658 Pg. 9
Map No.	JN 8910.07 Tape 0195 Std 68 °F	
Office Work	Surveyed by English	
Checked	Notes Ed. Date 7-27-60	
Date	Indexed H. E. OTT	



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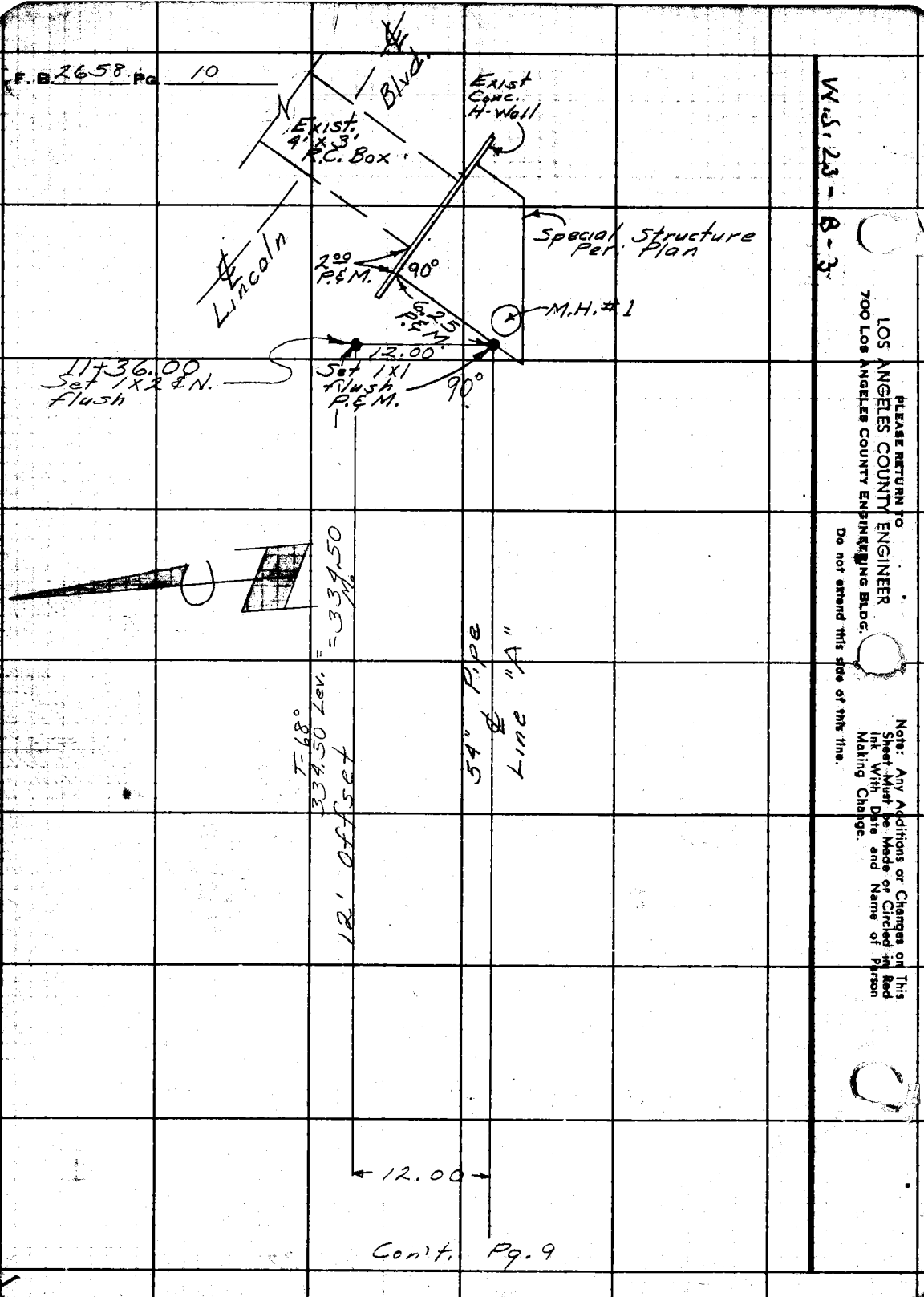
76F3095 S&E #247 11-58

F.B. 2658 Pg. 10



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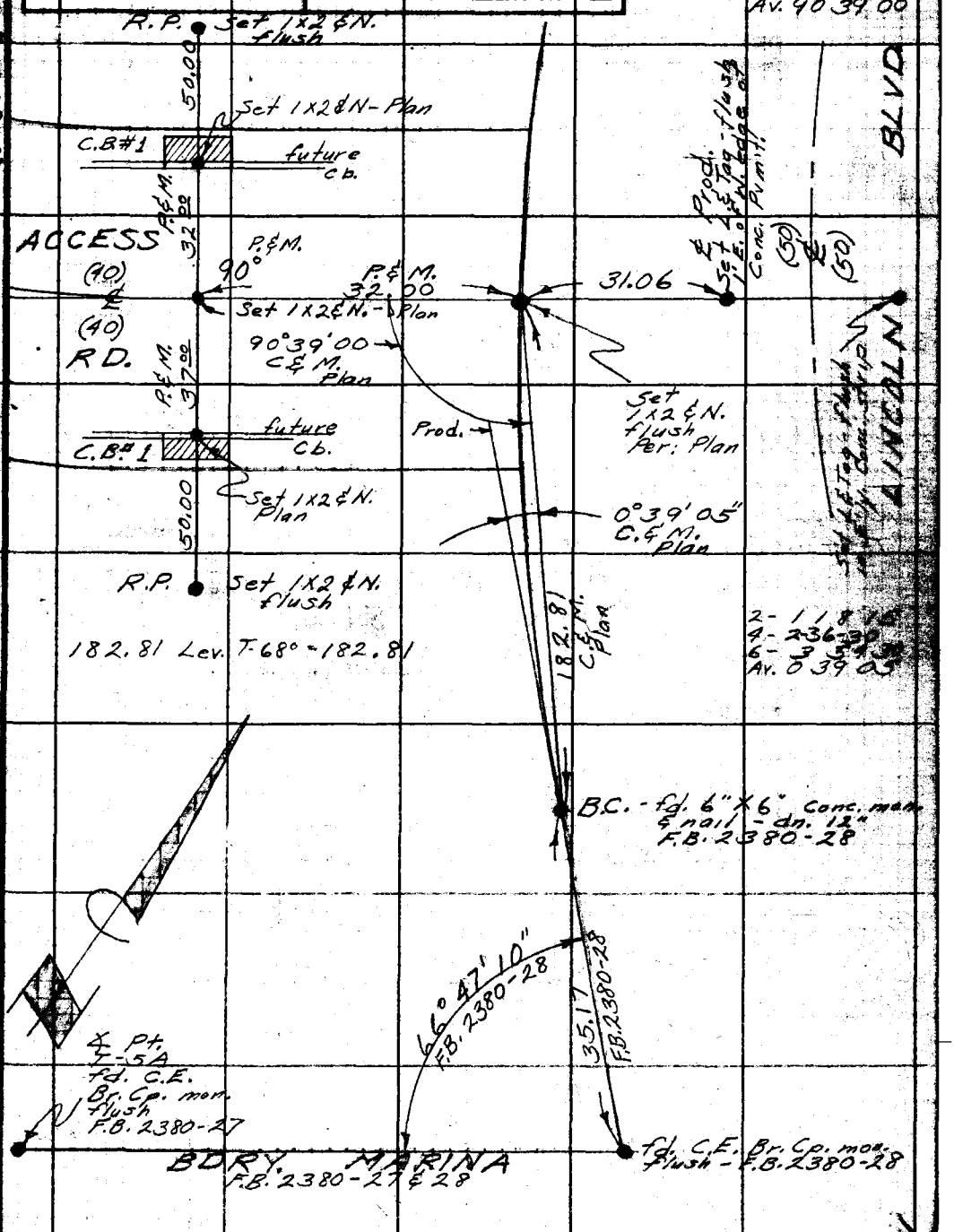
Notes Ck'd by	Survey of Lincoln Drain #2	F. B. 2658 Pg. 11
Map No.	JN 8910.07 Tape 0195 Std 68 °F	
Office Work	Surveyed by English	
Checked	Notes Ed. Date 7-26-60	
Date	Indexed N. E. on	



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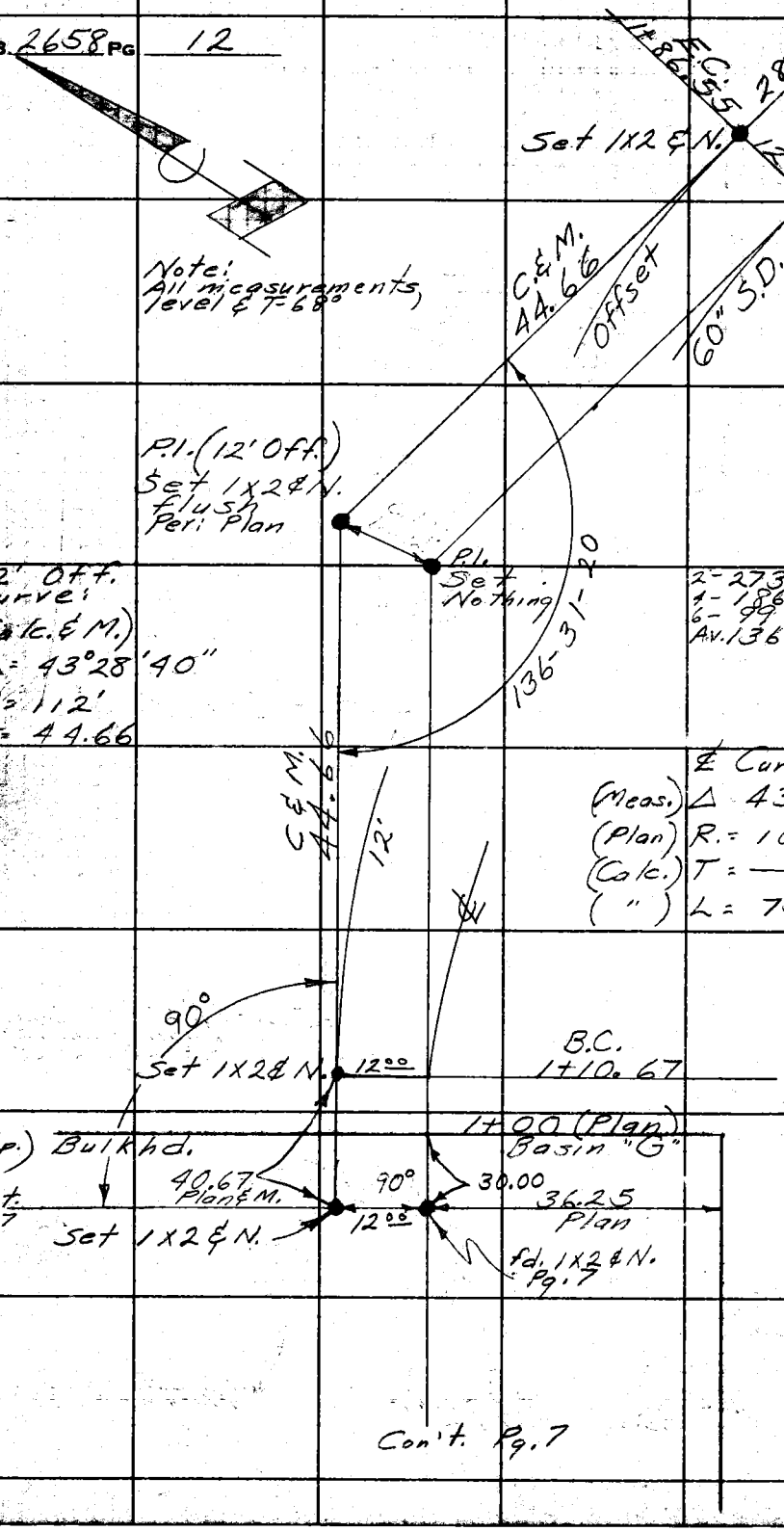
F. B. 2658 PG 12

W.S. 23-B-3



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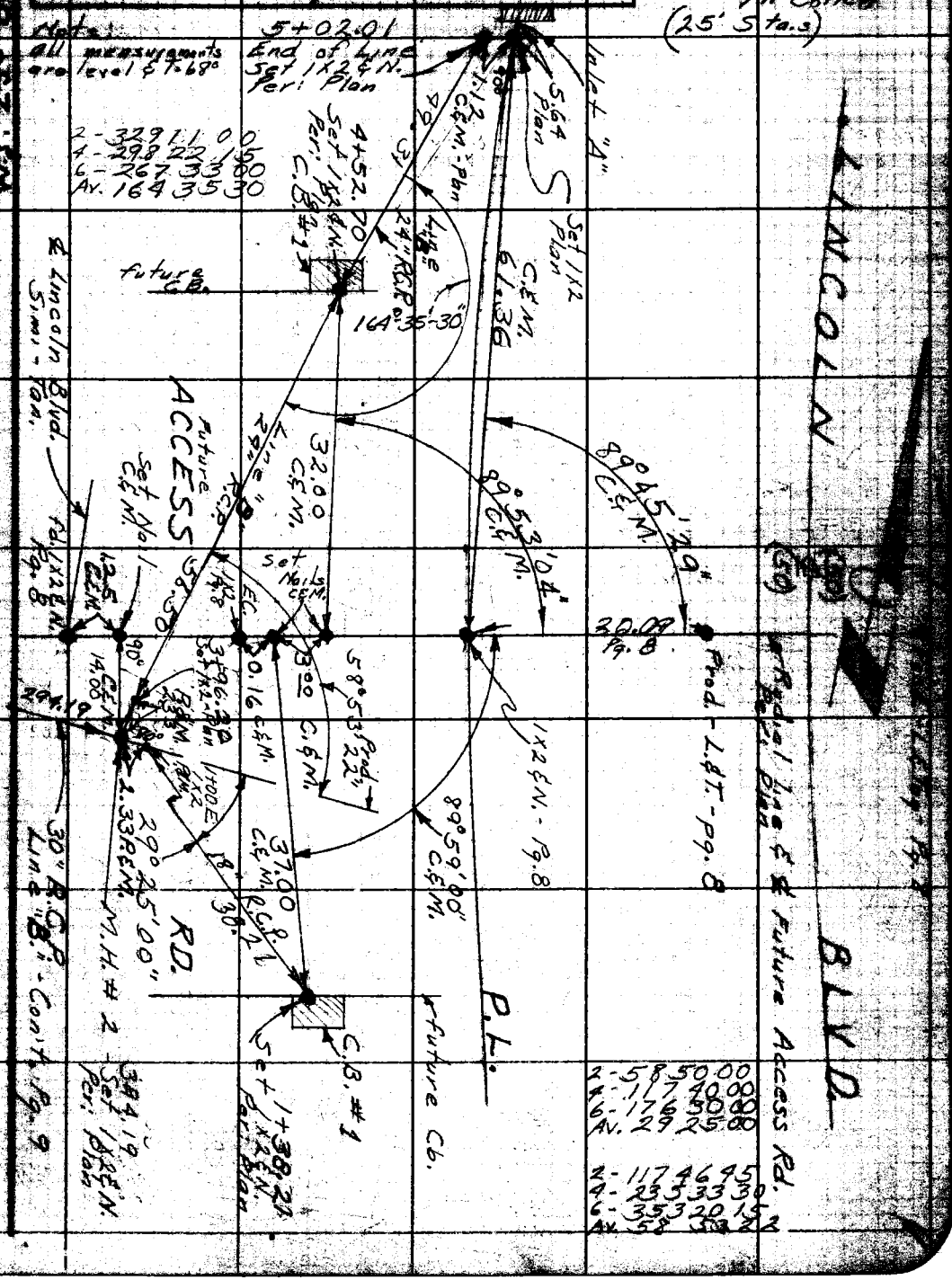
Map No.	JN 8910.07 Tape 0195 Std 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. 1 Date 8-5-60
Date	Indexed

F. B. 2658 Pg. 13

Note: Set 12' Offset Left of pipes - Per M. Colich (25' Sta.s)

Note: all measurements are level & T=68°



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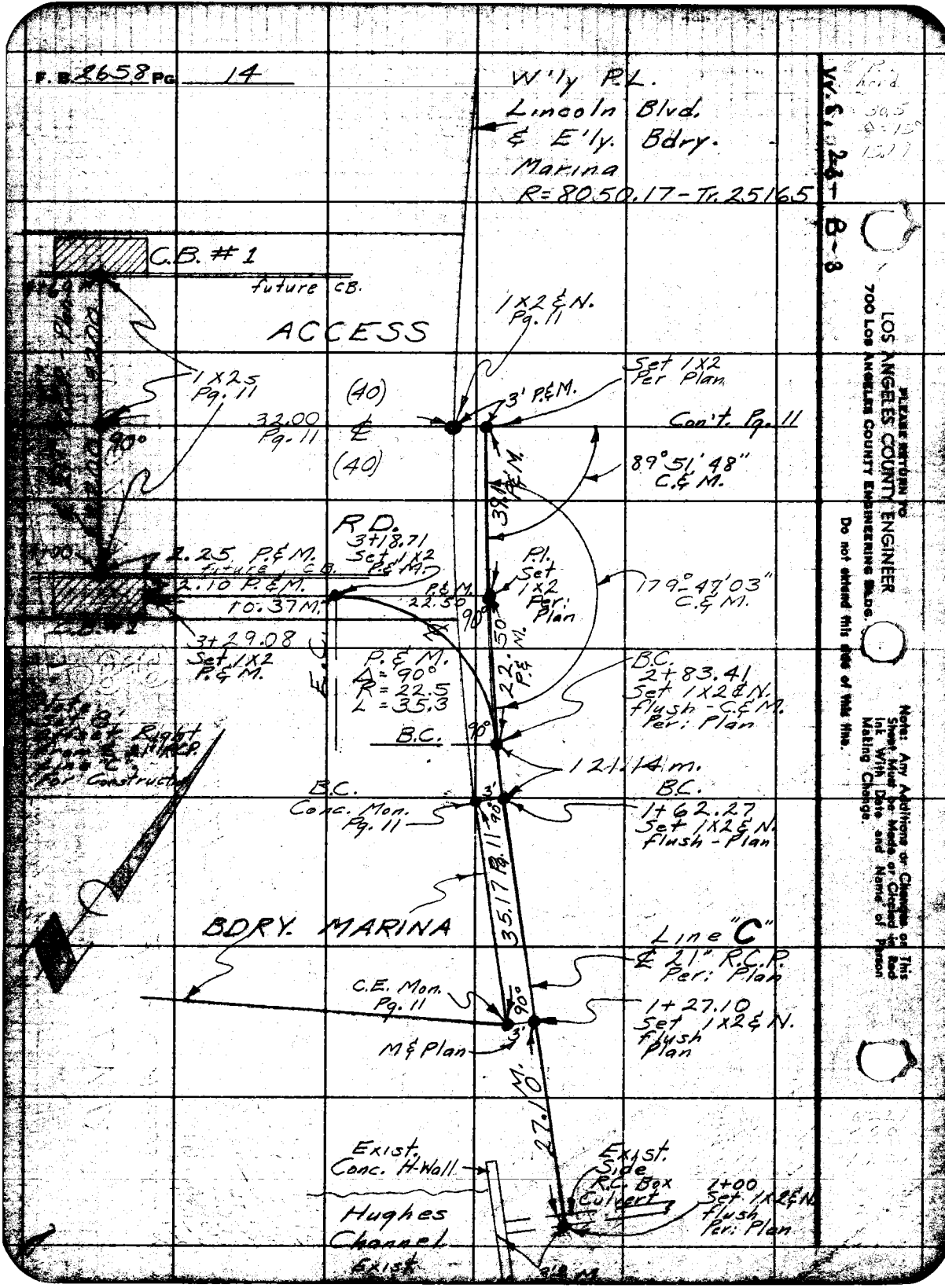
F.B. 2658 Pg. 14
W'ly P.L.
Lincoln Blvd.
& E'ly. Bdry.
Marina
R=8050.17-Tr. 25165
C.B. #1
future CB.
ACCESS
1X2 & N.
Pg. 11
1X25
Pg. 11
(40)
32.00
Pg. 11
(40)
3' P.&M.
Set 1X2
Per Plan
Con't. Pg. 11
89°51'48"
C.& M.
R.D.
3+18.71
Set 1X2
P.& M.
2.25 P.& M.
future C.B.
2.10 P.& M.
10.37 M.
P.& M.
22.50
P.I.
Set
1X2
Per: Plan
179°47'03"
C.& M.
3+29.08
Set 1X2
P.& M.
P.& M.
Δ=90°
R=22.5
L=35.3
B.C.
2+83.41
Set 1X2 & N.
flush - C.& M.
Per: Plan
B.C.
121.14 m.
B.C.
Conc. Mon.
Pg. 11
1+62.27
Set 1X2 & N.
flush - Plan
35.17 Pg. 11
BDRY. MARINA
Line "C"
℄ 21" R.C.P.
Per: Plan
C.E. Mon.
Pg. 11
1+27.10
Set 1X2 & N.
flush
Plan
M & Plan
27.10 M.
Exist.
Conc. H-Wall
Exist.
Side
R.C. Box
Culvert
1+00
Set 1X2 & N.
flush
Per: Plan
Hughes
Channel
Exist.
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Office Work
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Date

Survey of Lincoln Drain #2
IN 89/1007 Tape 0195 Std. 68 °F
Surveyed by English
Notes Ed. Date 8-16-60
Indexed B. E. OTT

F. B. 2658 Pg. 15

W.S. 12-B-3

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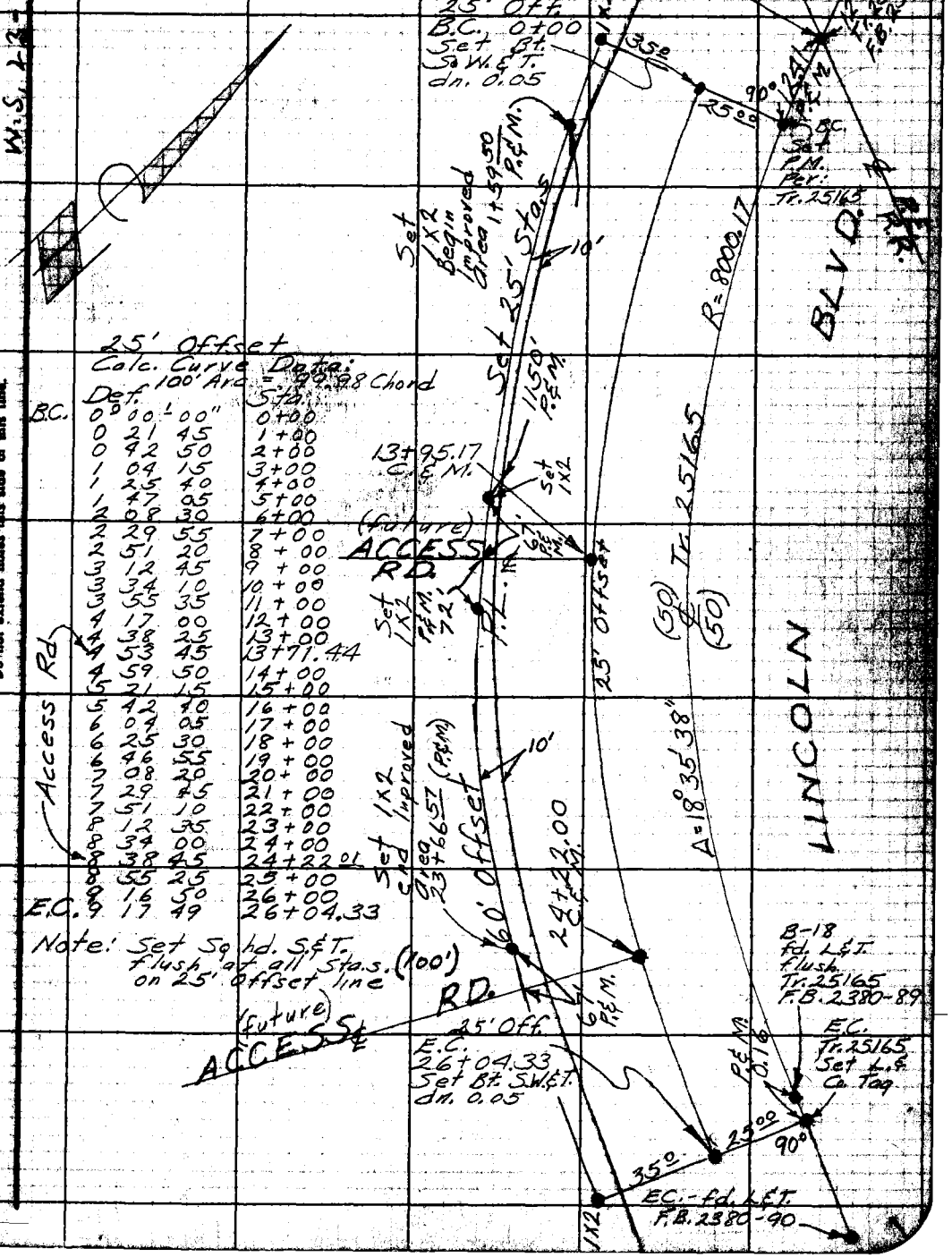

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F.B. 2658 Pg. 16

Profile	Notes Red.	Plotted	Job No. 8910.07	Division No. 11	F. B. 2658 Pg. 17
No.	Date	Date	Survey of Lincoln Drain Unit 2		
X-Sec.	Notes Chkd.	Checked	Survey by English	Notes Ed.	Date 8-1-60
No.	Date	Date	Map No.	Indexed H. E. Ott	Date OCT 2 4

MARINA DEL REY

J.N. 8910.07

LINCOLN BLVD. DRAINAGE
UNIT # 2

ELEVATIONS:
LINE "A", "B" & "C"
12' OFFSET

August 1, 1960
English
Landa
Faulger
Dupuis
Clifford

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

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761298 S & E #307 9-54

76L298 S & E #307 9-54

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F.B. 2658 Pg. 8 | Job No. 8910.07 | Division No. 11 | Notes Red. | Plotted | No. | Profile
Survey of Lincoln Drain #2 | Date | Date | No. | X-Sec.
Survey by English | Notes | Notes Chkd. | Checked
Indexed M.E.O.M. | Date | Date | Date

STATION	B. S.	H. I.	F. S.	ELEV.		Grade	Cut	
					M.L.L.W.			
Fd. B.M. M.D.R. 51	9 70	17 13		7 43	B.M. M.D.R. #51, el. = 7.43, F.B. 2649-?			
T.P.	4 78	10 97	10 94	6 19	1x2			
T.P.	4 98	11 05	4 90	6 07	1x2			
0+70	4 00	11 20	3 85	7 35 7 20	1x1			
B.C. 1+00			8 28	2 92	2x4"	-8.00	10.92	
1+10.67			6 16	5 04		-7.92	12.96	Note: Cuts are from 12' Offset Left of ℄. Grade is to invert of pipe
1+23 31			4 30	6 90		-7.82	14.72	
1+35 96			4 46	6 74		-7.73	14.47	
1+48 60			4 32	6 88		-7.63	14.51	
1+61 45			4 44	6 76		-7.54	14.30	
1+73 90			4 37	6 83		-7.44	14.27	
E.C. 1+86 55			4 37	6 83		-7.34	14.17	
2+00			4 46	6 74		-7.24	13.98	
2+25			4 50	6 70		-7.05	13.75	
2+50			4 94	6 26		-6.86 -7.86	~~14.12~~ 13.12	
2+75			5 01	6 19		-6.67	12.86	
3+00			5 04	6 16		-6.48	12.64	
3+25			5 08	6 12		-6.29	12.41	
3+50			5 07	6 13		-6.10	12.23	
3+75			5 09	6 11		-5.91	12.02	
4+00 T.P.	4 60	10 92	4 88	6 32		-5.72	12.04	
4+25			4 65	6 27		-5.53	11.80	

LINE "A"
See: Pg 512, 9&10

Calc. S = 0.00761

RUPRTS

D.E.

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.		GRADE	CUT	MLLW
		10 92						
4+50			4 67	625	1"X1"	- 5.34	11.59	
MH#3 OUTLET 4+74.44			4 74	618		- 5.15	11.33	NOTE: CUTS ARE
MH#3 4+76.44			4 68	624				FROM 12' OFFSET LEFT
MH#3 INLET 4+78.40			4 73	619		- 4.67	10.86	OF ℄. GRADE IS TO
5+00			4 91	601		- 4.51	10.52	INVERT OF PIPE.
5+25			4 97	595		- 4.34	10.29	
5+50			4 92	600		- 4.16	10.16	
5+75			4 91	601		- 3.99	10.00	
6+00			4 79	613		- 3.81	9.94	
6+25			4 68	624		- 3.66	9.90	
6+50			4 77	615		- 3.46	9.61	
6+75			4 78	614		- 3.29	9.43	
T.P. 7+00	1 88	7 90	4 90	602		- 3.11	9.13	
7+25			2 22	568		- 2.94	8.62	
7+50			2 81	509		- 2.76	7.85	
7+75			3 43	447		- 2.59	7.06	
8+01.50			4 51	339		- 2.40	5.79	(SLOPE CHANGE)
8+25			5 24	266		- 2.09	4.75	
8+50			5 84	206		- 1.76	3.82	
8+75			5 68	222		- 1.43	3.65	
9+00			5 46	244		- 1.10	3.54	

Line "A"

Calc. S = 0.00703

S = 0.01315

END

Profile Notes Red. ____ Plotted ____ Job No. 891007 Division No. 11 F. S. 2658 Pg. 19
No. ____ Date ____ Date ____ Survey of LINCOLN DRAIN #2
X-Sec. Notes Chkd. ____ Checked ____ Survey by ENGLISH Notes ED Date 8-3-60
No. ____ Date ____ Date ____ Map No. ____ Indexed E. E. ON Date ____

76L298 S & E #307 9-54'

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STATION	B. S.	H. I.	F. S.	ELEV.		GRADE	CUT	MLLW
9+25		7 90	5 26	264	1x1'	-0.77	3.41 ~~2.41~~	
T.P. 9+50	9 01	12 10	4 81	3 09		-0.44	3.53	NOTE: CUTS ARE
9+75			8 29	3 82		-0.11	3.93	FROM 12' OFFSET LEFT
10+00			6 72	5 40		+0.22	5.18	OF ℄. GRADE IS TO
10+25			5 07	7 03		+0.55	6.48	INVERT OF PIPE
10+50			4 09	8 01		+0.88	7.13	
10+75			3 49	8 61		+1.21	7.40	
11+00			2 98	9 12		+1.54	7.58	
11+25			2 60	9 50		+1.87	7.63	
T.P. 11+36.20	4 76	15 01	1 85	10 25	Calc. 0.01315	+2.00	8.25	cfr
B.M. M.D.R.# 51			7 57	7 44	5			el = 7.43, F.B. 2380-?

Line "A"

D.E. END.

F. B. 2658 Pg. 20 Job No. 8910.07 Division No. 11 Notes Red Date Plotted Date No. Profile
Survey of LINCOLN DRAIN #2 Date Date X-Sec.
Survey by ENGLISH Notes ED Notes Chkd Checked
Indexed H. L. ON Date Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.	M.L.L.W. Datum			
Line "B",					Note: Cuts are from 12' Off. Left of ℄. Grade is to invert of pipe.			
B.M. M.D.R. #51	8 25	15 68		7 43	B.M. M.D.R. #51, el = 7.43, F.B. 2380-?			
T.P.	5 75	11 17	10 26	5 42	1x2	Grade	Cut	
M.H. #3 1+00 T.P.	5 06	11 29	4 94	6 23		-3.78	10.01	
1+25			5 31	5 98		-3.35	9.33	
1+50			5 28	6 01	Calc. S = 0.0172 30" R.C.P.	-2.92	8.93	
1+75		Note: For ℄ S.D. See: Pg. 13	5 33	5 96		-2.49	8.45	
2+00			5 23	6 06		-2.06	8.12	
2+25			5 28	6 01		-1.63	7.64	
2+50			5 96	5 33		-1 20	6.53	
2+75			6 88	4 41		-0.77	5.18	
3+00			6 62	4 67		-0 34	5.01	
3+25			7 06	4 23		+0.09	4.14	
3+50			7 47	3 82		+0.52	3.30	
3+75			6 32	4 97		+0.95	4.02	
T.P. 3+94.19	7 37	14 55	4 11	7 18		Not exact Slope +1.30	5.88	
M.H. #2 3+96.20			8 56	5 99	Calc. S = 0.0600 24" R.C.P.	+1.60	4.39	
4+13			7 75	6 80		+2.61	4.19	
4+32			7 17	7 38		+3.75	3.63	
C.B. #1 4+52.70			5 90	8 65		+5.00	3.65	

Profile Notes Red. ____ Plotted ____ Job No. 8910.07 Division No. 11 F.B. 2658 Pg. 21
No. ____ Date ____ Date ____ Survey of Lincoln Drain #2
X-Sec. Notes Chkd. ____ Checked ____ Survey by English Notes Ed. Date 8-8-60
No. ____ Date ____ Date ____ Map No. ____ Indexed B. E. OTT 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.

STATION	B. S.	H. I.	F. S.	ELEV.	M.L.L.W. Datum	Grade	Cut
C.B. #1		14 55					
4+52.70			5 72	8 83	Calc. S=0.0464	+5.50	3.33
4+69			4 04	10 51		+6.26	4.25
4+86			3 21	11 34		+7.05	4.29
END STA. T.P. 5+02.01	8 60	17 60	5 55	9 00		+7.83	1.17
M.H. #2 1+00			10 10	7 50	Calc. S=0.1560	+1.54	5.96
1+12 24		Line "B"	8 58	9 02		+3.53	5.49
1+25 48			4 12	13 48		+5.52	7.96
C.B. #1 1+38.21			2 43	15 17		+7.50	7.67 ✓
B.M. # M.D.R. 51			10 17	7 43 ✓	M.D.R. #51, el.=7.43, F.B. 2380		
				CK. E. L.			

Line "C"

STATION	B. S.	H. I.	F. S.	ELEV.	M.L.L.W. Datum	Grade	Cut	
B.M. M.D.R. #50-A See: Pg. 14	5 73	17 01		11 28	B.M. M.D.R. #50-A el=11.28, F.B. 2649-?			
1+00			5 02	11 99	(Begin Pipe)	+4.00 ✓	7.99	Note: Cuts are from 8' Offset Right of ℄.
1+27 10			6 43	10 58	Calc. S=.00785	4.21 ✓	6.37	Grade is to invert of pipe.
1+45			4 22	12 79		4.35 ✓	8.44	
B.C. 1+62.27			4 26	12 75		4.49 ✓	8.26	
1+75			4 27	12 74		4.59 ✓	8.15	
2+00			5 25	11 76		4.78 ✓	6.98	
2+25			4 38	12 63		4.98 ✓	7.65	
2+50 T.P.			4 60	12 41 ✓		5.18 ✓	7.23	
				END			END	

F. B. 2658 Pg. 22 | Job No. 8910.07 | Division No. 11 | Notes Red. | Plotted | Profile
Survey of Lincoln Drainage Unit 2 | Date | Date | No.
Survey by English | Notes Ed. | Notes Chkd. | Checked | X-Sec.
Indexed [illegible] | Date | Date | Date | No.

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.	M.L.L.W. DATUM	GRADE	CUT	
2+75		17 01	4 91	12 10		5.38	6.72	
B.C. 2+83.41	4 89	16 74	5 16	11 85	Calc. S=0.00785	5.44	6.41	
2+95.21			5 17	11 57		5.53	6.04	
3+07.01			4 95	11 79		5.63	6.16	
E.C. 3+18.71			5 18	11 56		5.72	5.84	
C.B. #1 3+29.08			5 00	11 74		5.80	5.94	End. pipe
C.B. #1 4+00			4 93	11 81	Calc. S=0.00725	6.30	5.51	Begin pipe
4+23			5 33	11 41		6.47	4.94	
4+46			5 88	10 86		6.64	4.22	
C.B. #1 4+69			5 72	11 02		6.80	4.22	End of Line "C"
T.P. B.M.	4 96	17 06	4 64	12 10				
M.D.R. #50-A			5 78	11 28				see Pg. 22

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 8910.07 Division No. 11 F. B. 2658 Pg. 23
X-Sec. No. ____ Date ____ Date ____ Survey of LINCOLN DRAINAGE UNIT 2
Notes Chkd. ____ Checked ____ Survey by ENGLISH Notes ED Date 8-15-60
Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

F. B. 2658 Pg. 24 | Job No. | Division No. | Notes Red | Plotted | Profile

Survey of | Date | Date | No.

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

Indexed | Date | Date | Date | No.

Blank

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

761-298 S & E #307 9-54

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inv. c-

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STATION	B. S.	H. I.	F. S.	ELEV.	60' Offset Line, West of ℄ Lincoln			
B.M. M.D.R. 53 (end improved Area)	419	1961		1542	F.B. 2649	Grade	Cut	Set 1x2's at 25' sta.s
1+59.50			433	1528		14.26	1.02	10' off., West of
+75			422	1539		14.20	1.19	"Invert Line." (See Plan)
2+			407	1554		14.11	1.43	See Pg. 15
+25			395	1566		14.02	1.64	
+50			445	1516		13.93	1.23	
+75			456	1505		13.84	1.21	
3+	281	1867	375	1586	S=0.0037 Plan	13.74	2.12	T.P.
+25			326	1541		13.65	1.76	
+50			350	1517		13.56	1.61	
+75			277	1590		13.47	2.43	
4+			143	1724		13.37	3.87	
+25			223	1644		13.28	3.16	
+50			264	1603		13.19	2.84	
+75			360	1507		13.10	1.97	
5+			376	1491		13.00	1.91	
+25			400	1467		12.91	1.76	
+50			430	1437		12.82	1.55	
+75			441	1426		12.73	1.53	
6+	291	1724	434	1433		12.63	1.70	T.P.
+25			305	1419		12.53	1.66	

Profile No. ____ Notes Red. ____ Plotted ____ Job No. ____ Division No. 11 F. B. 2658 Pg. 25
X-Sec. No. ____ Date ____ Date ____ Survey of Lincoln Blvd. Drain Unit #2
Notes Chkd. ____ Checked ____ Survey by English Notes Ed. Date 9-12-60
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OR Date ____

8910.07

76L298 S & E #307 9-54

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F.B. 2658 Pg. 26 | Job No. 8910.07 | Division No. 11 | Notes Red. | Plotted | No. | Profile
Survey of Lincoln Blvd. Drain Unit #2 | Date | Date | No. | X-Sec.
Survey by Engler | Notes Ed. | Notes Chkd. | Checked
Indexed B.E. Oh | Date | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.		Grade	Cut	
6 +50		17 24	256	1468		12.44	2.24	
+75			352	1372		12.35	1.37	
7 +			267	1457		12.26	2.31	
+25			209	1515		12.16	2.99	
+50			225	1499		12.07	2.92	
+75			210	1514		11.98	3.16	
8 +			202	1522	S = 0.0037 Plan	11.89	3.33	
+25			283	1441		11.79	2.62	
+50			345	1379		11.70	2.09	
+75			379	1345		11.61	1.84	
9 +	305	16 29	400	1324		11.52	1.72	T.P.
+25			380	1249		11.42	1.07	
+50			424	1205		11.33	0.72	
+75			458	1171		11.24	0.47	
10 +			464	1165		11.15	0.50	
+25			472	1157		11.05	0.52	
+50			489	1140		10.96	0.44	
+75			503	1126		10.87	0.39	
11 +			487	1142		10.78	0.64	
+25			494	1135		10.68	0.67	
+50			489	1140		10.59	0.81	

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1,14

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STATION	B. S.	H. I.	F. S.	ELEV.		Grade	Cut	60' Offset - Pg. 15
11+75		16 29	500	11 29	S=0.0037 Plan	10.50	0.79	
12+			507	11 22		10.41	0.81	
+25			517	11 12		10.31	0.81	
+50	525	16 49	505	11 24		10.22	1.02	T.P.
+75			549	11 00		10.13	0.87	
13+00			621	10 28		10.04	0.24	
13+01.00			620	10 29		10.00	0.29	Begin Inlet "A"
13+09.50			673	9 76		9.83	F-0.07	(end " "
T.P.	462	16 01	510	11 39				& Improved Area)
B.M. M.D.R.#51-A			487	11 14			B.M. M.D.R.#51-A, el=11.14, F.B. 2649	
14+48.50			458	11.43		10.00	Cut 1.43	Begin Improved area.
+75			473	11 28		9.92	1.36	
15+			487	11 14		9.84	1.30	
+25			493	11 08		9.76	1.32	
+50			489	11 12	S=0.00327 Calc.	9.68	1.44	
+75			462	11.39		9.60	1.79	
16+			482	11.19		9.51	1.68	
+25			4.77	11.24		9.43	1.81	
+50			4.91	11.10		9.35	1.75	
+75			532	10.69		9.27	1.42	
17+	248	13.15	534	10.67		9.18	1.49	T.P.

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 8910.07 Division No. 11 F.B. 2658 Pg. 27
X-Sec. No. ____ Date ____ Date ____ Survey of Lincoln Blvd. Drain Unit #2
Notes Chkd. ____ Checked ____ Survey by English Notes Ed. Date 9-12-60
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.		Grade	Cut	60' Off. Pg. 15
17+25		13.15	2 65	10 50	S=0.00327 Calc.	9.10	1.40	
+50			2 82	10 33		9.02	1.31	
+75			2 97	10 18		8.94	1.24	
18+			3 12	10.03		8.85	1.18	
+25			3 20	9.95		8.77	1.[illegible]	
+50			3 62	9.53		8.69	0.84	
+75	480	13 44	4 51	8 64		8.61	0,03	T.P.
19+						8.52		unable To set
19+09			4 66	8 78		8.60	0.18	North edge Inlet "B" area
19+19			3 91	9.53		8.60	0.93	So. " " " "
+25			4 20	9 24		8.65	0.64	(Per: plan)
+50	924	18 90	3 78	9 66		8.75	0.91	T.P.
+75			8 69	10 21		8.85	1.36	
20+			8 81	10 09		8.95	1.14	
+25			8 74	10 16	S=0.00426 Calc.	9.05	1.11	
+50			8 90	10 00		9.16	0.84	
+75			8 77	10 13		9.26	0.87	
21+			7 26	11 64		9.37	2.27	
+25			5 73	13 17		9.47	3.70	
+50	949	23 84	4 55	14 35		9.58	4.77	T.P.
+75			8 49	15 35		9.68	5.67	

Profile
Plotted No.
Date
X-Sec.
Checked No.
Date
Notes Chkd. No.
Date
Notes Red. No.
Date
Division No. 11
Job No. 8910.07
Survey of Lincoln Drain Unit #2
Survey by English
Notes Ed.
Indexed H.E. Ott
Date
F.B. 2658 Pg. 28

76L298 S & E #307 9-54

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STATION	B. S.	H. I. 23.84	F. S.	ELEV.		Grade	Cut	60' Off.-Pg. 15
22+	9 26	25 01	809	15 75	S=0.00426 Calc.	9.80	5.95	TP
+25		8 57	887	16 14		9.90	6.24	
+50		7	809	16 92		10.01	6.91	
+75			634	18 67		10.11	8.56	
23+			617	18 84		10.22	8.62	
+25			514	19 87		10.32	9.55	
+50			638	18 63		10.43	8.20	
23+ 66.57			722	17.79		10.50	4.29	End Improved (Plan) area
TP	1 80	15 32	11 49	13 52	1x2			
B.M. M.D.R.#50-A			4 02	11 30			B.M. M.D.R.# 50-A, el.= 11.28, F.B. 2649	

Profile Notes Red. ____ Plotted ____ Job No. 8910 D7 Division No. 11 F. B. 2658 Pg. 29
No. ____ Date ____ Date ____ Survey of Lincoln Drain Unit #2
X-Sec. Notes Chkd. ____ Checked ____ Survey by English Notes Esd. Date 9-14-60
No. ____ Date ____ Date ____ Map No. ____ Indexed E. E. Ott Date ____

F. B. 2658 Pg. 30

Job No. 8910.07 Division No. 11 Notes Red. Plotted Profile

Survey of Lincoln Drain Unit #2 Date Date No.

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

Indexed Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.		
					Grade	Cut
						60' Off - Pg. 15

761-298 S & E #307 9-54

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Notes Ck'd by	Survey of Marina Bulkhds
Map No.	JN 891013 Tape 0195 Std 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. L Date 8-22-60
Date	Indexed [illegible] SEP 29 '61

F. B. 2658 Pg. 31

MARINA DEL REY

J. N. ~~8910.13~~ 0739.01

BULKHEADS SURVEY

AUG. 1960

PARTY:
English
Lende
Foulger
Dupuis
Gifford

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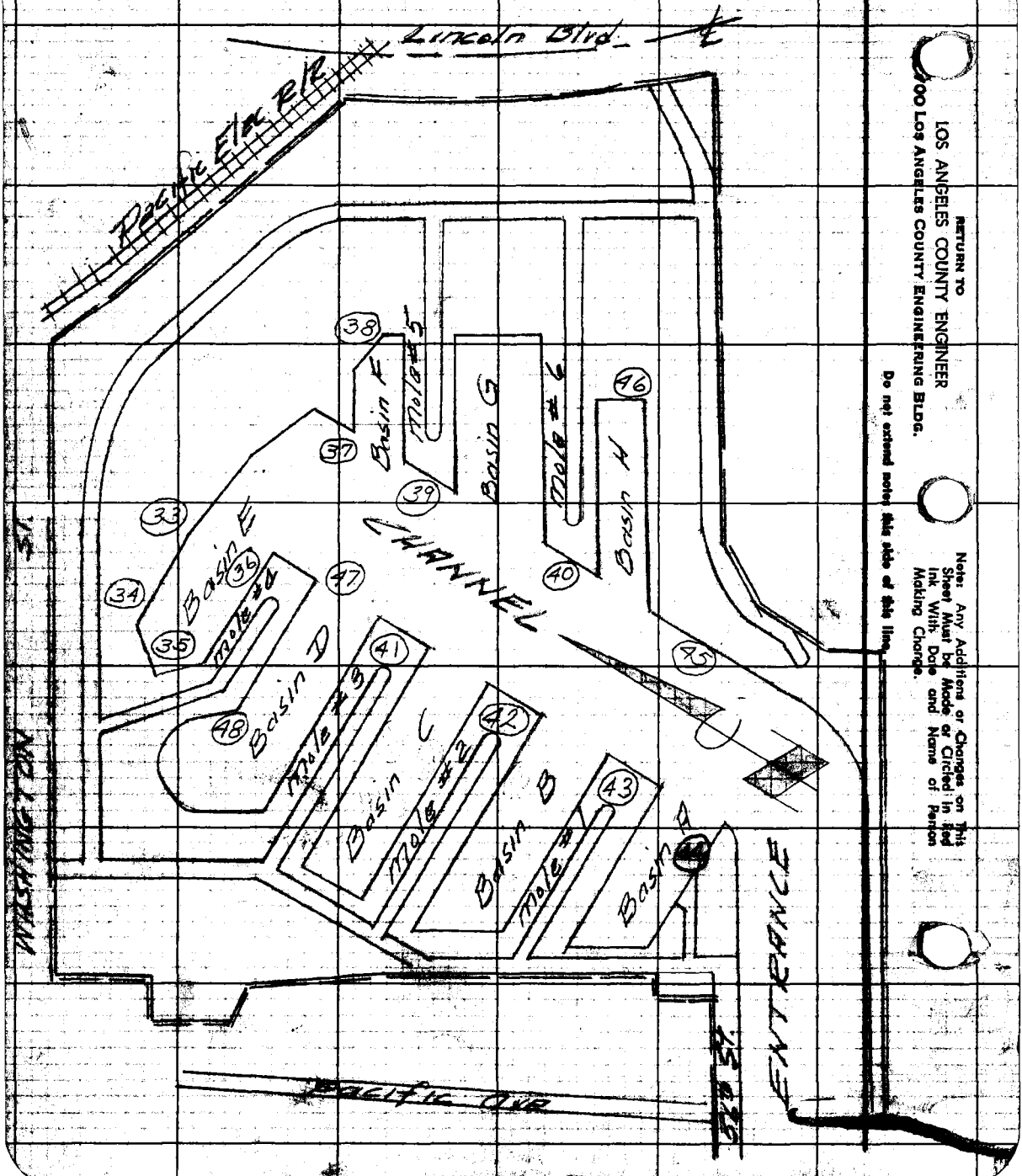
76F2093 CE #247—3-57

F. B. 2658 Pg. 32

INDEX MAP



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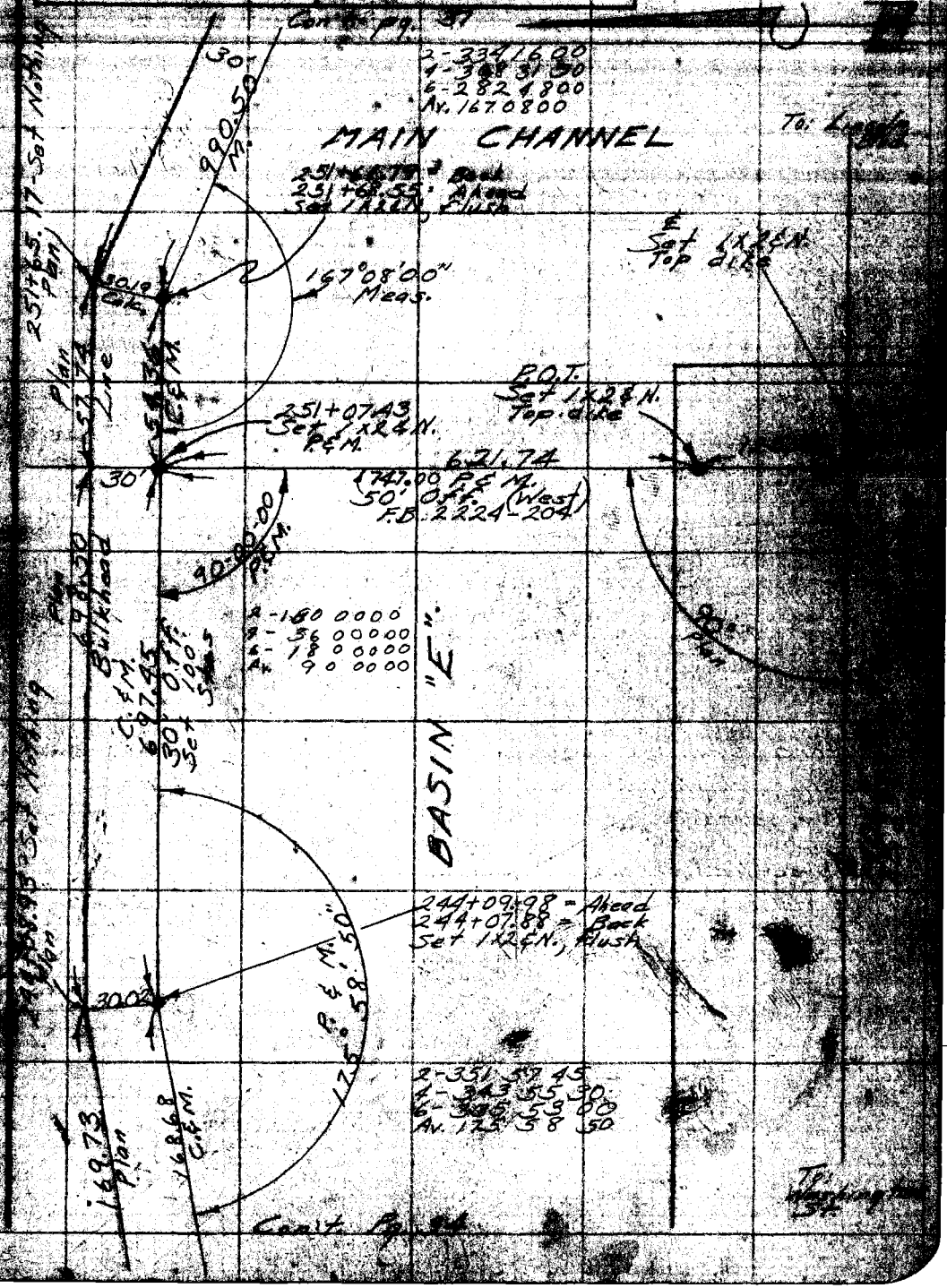
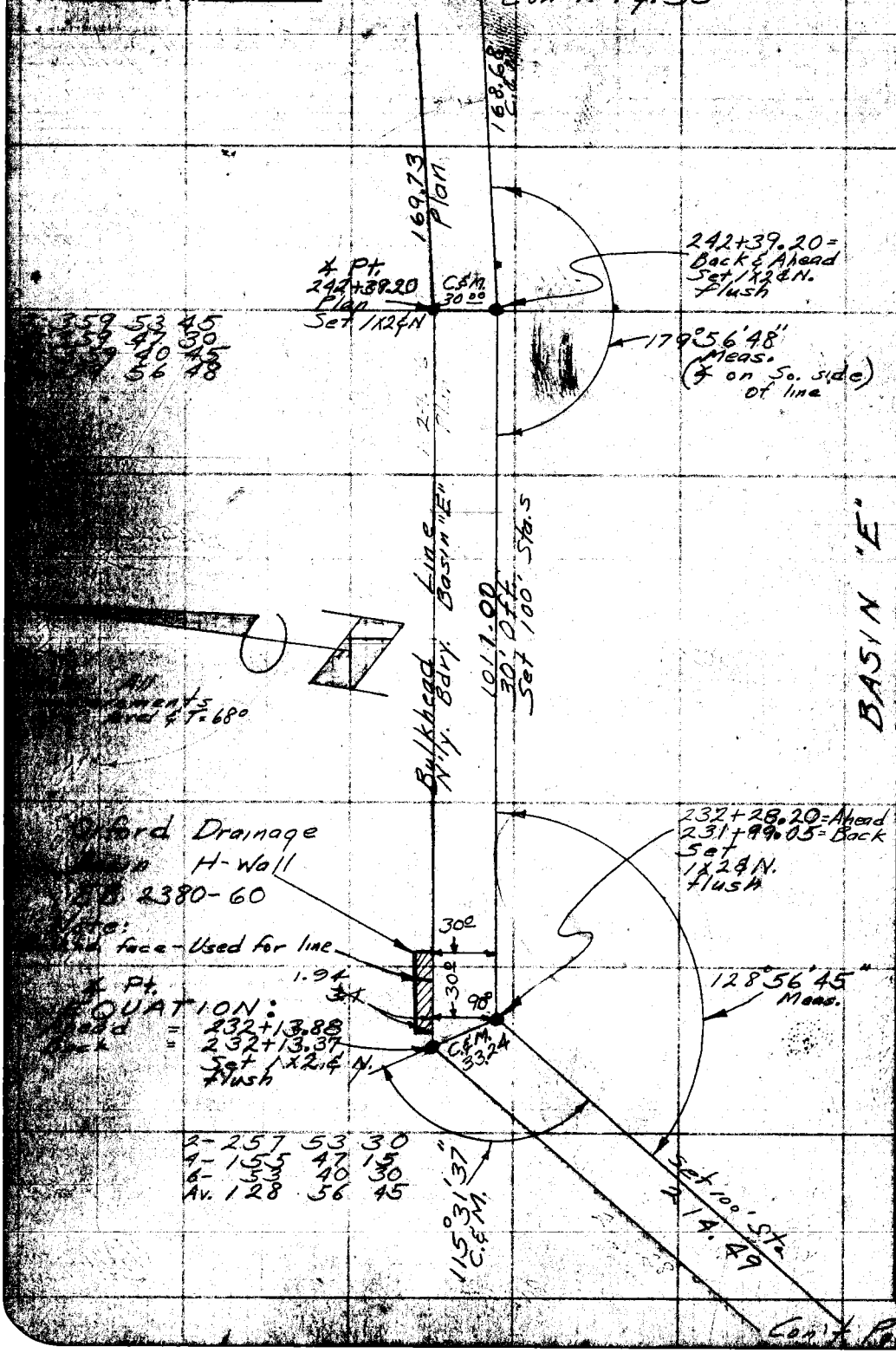
Notes Ck'd by	Survey of [illegible]	F.B. 2658 Pg. [illegible]
Map No.	Jn 8910.1 Top 0.195 Std 68 °F	Note: All [illegible] are level & [illegible]
Office Work	[illegible]	
Checked	[illegible] Date 8-22-60	
Date	Indexed M. E. [illegible]	



Con't. Pg. 33



Con't Pg. 35

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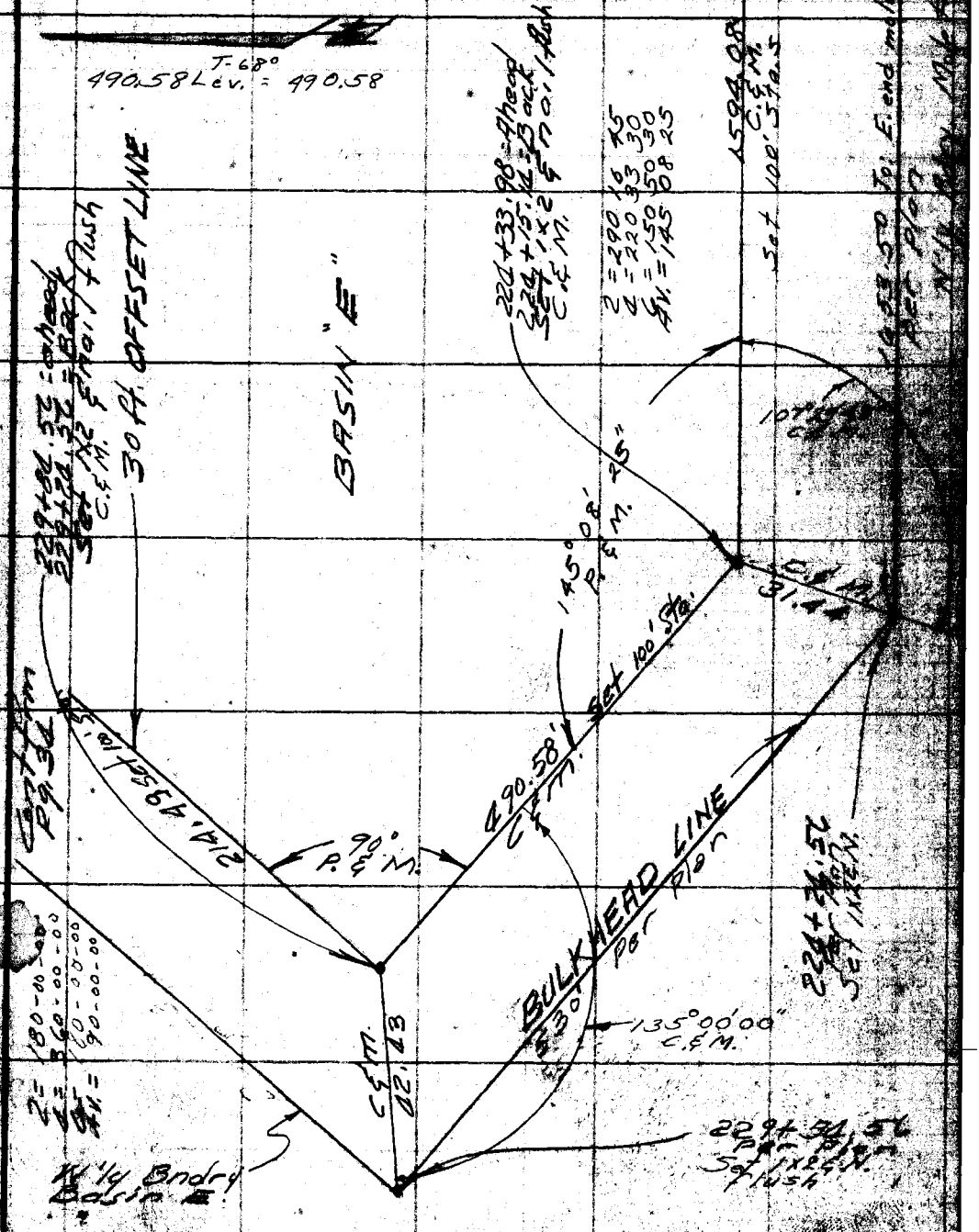
Notes Ck'd by	Survey of Marina Del Rey
Map No.	JN 8910.13 Tape 0195 Std. 68 °F
Office Work	Surveyed by English
Checked	Notes Lands Date Aug. 60
Date	Indexed H. E. Ott

F. B. 2658 Pg. 35

Cont To Pg. 36



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24.04

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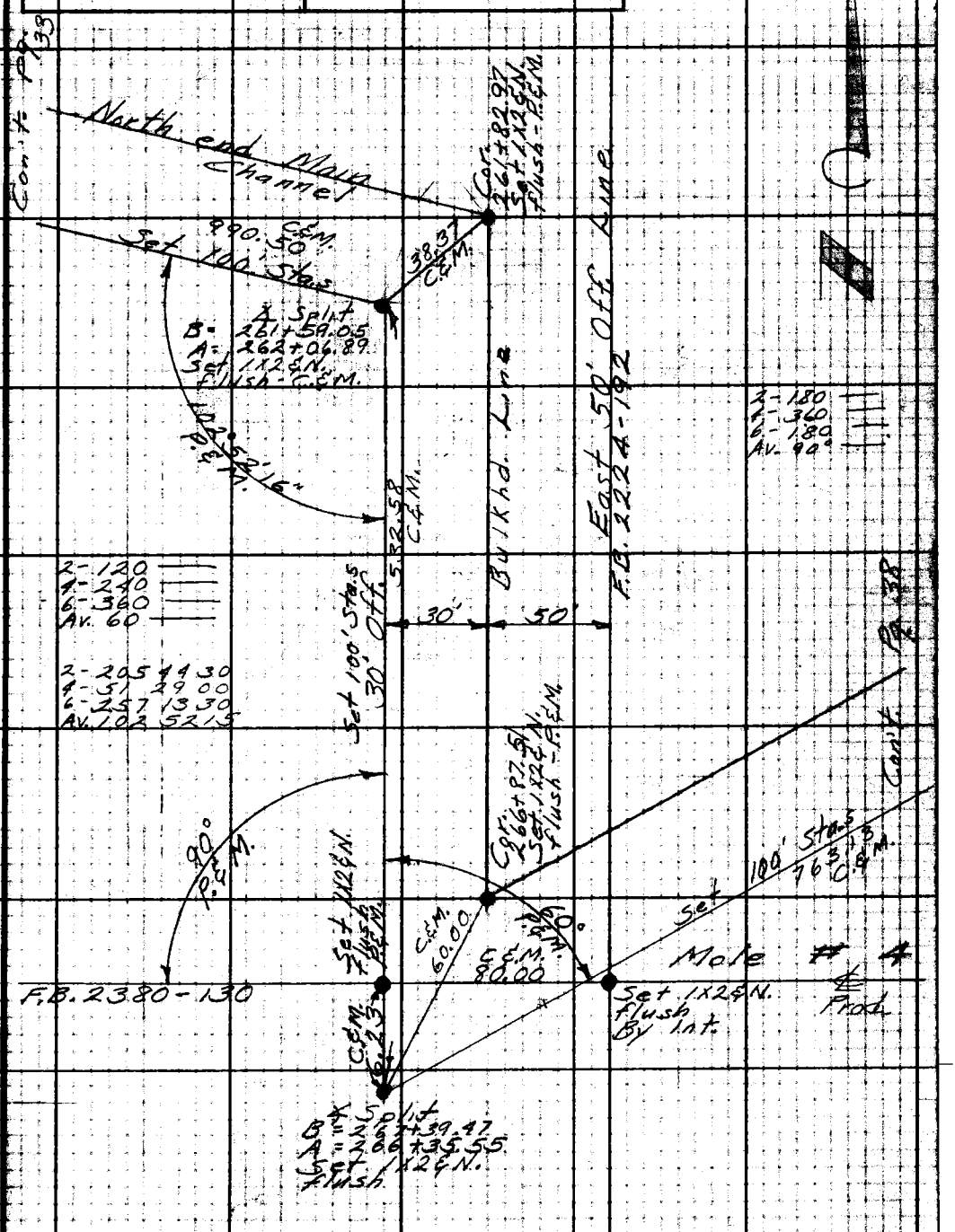
Notes Ck'd by	Survey of Marina Bulkhd.	F.B. 2658 Pg. 37
Map No.	JN 073901 Tape .0195 Std 68 °F	
Office Work	Surveyed by English	Note: All measurements 7-68° & level
Checked	Notes Ed. Date 9-12-60	
Date	Indexed H. E. OM	



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76F3098 S&E #247 11-58

F. B. 2658 Pg. 38

2-274 15 30
4-188 31 00
6-102 46 30
Av. 137 07 45

2-265 44 30
4-171 29 00
6-77 13 36
Av. 132° 52' 16"

Con't. Pg. 37

Cor.
274+10.46
Set 1X2 E.N.
Flush
P. & M.

32.73
C. & M.

C. & M.
763.13

* Split
B=273+98.68
A=274+22.24
Set 1X2 E.N.
Flush - C. & M.

137° 07' 44"
P. & M.

Bulkhead Line

30'

30.0 Ft.

370.37
C. & M.

BASIN F

* Split
B=277+92.61
A=278+18.77
Set 1X2 E.N.
Flush - C. & M.

32.73
C. & M.

Cor.
278+05.69
Set 1X2 E.N.
Flush
P. & M.

132° 52' 16"
P. & M.

138.02
C. & M.

Con't. Pg. 39

Note:
All measurements
T=68° & level

LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
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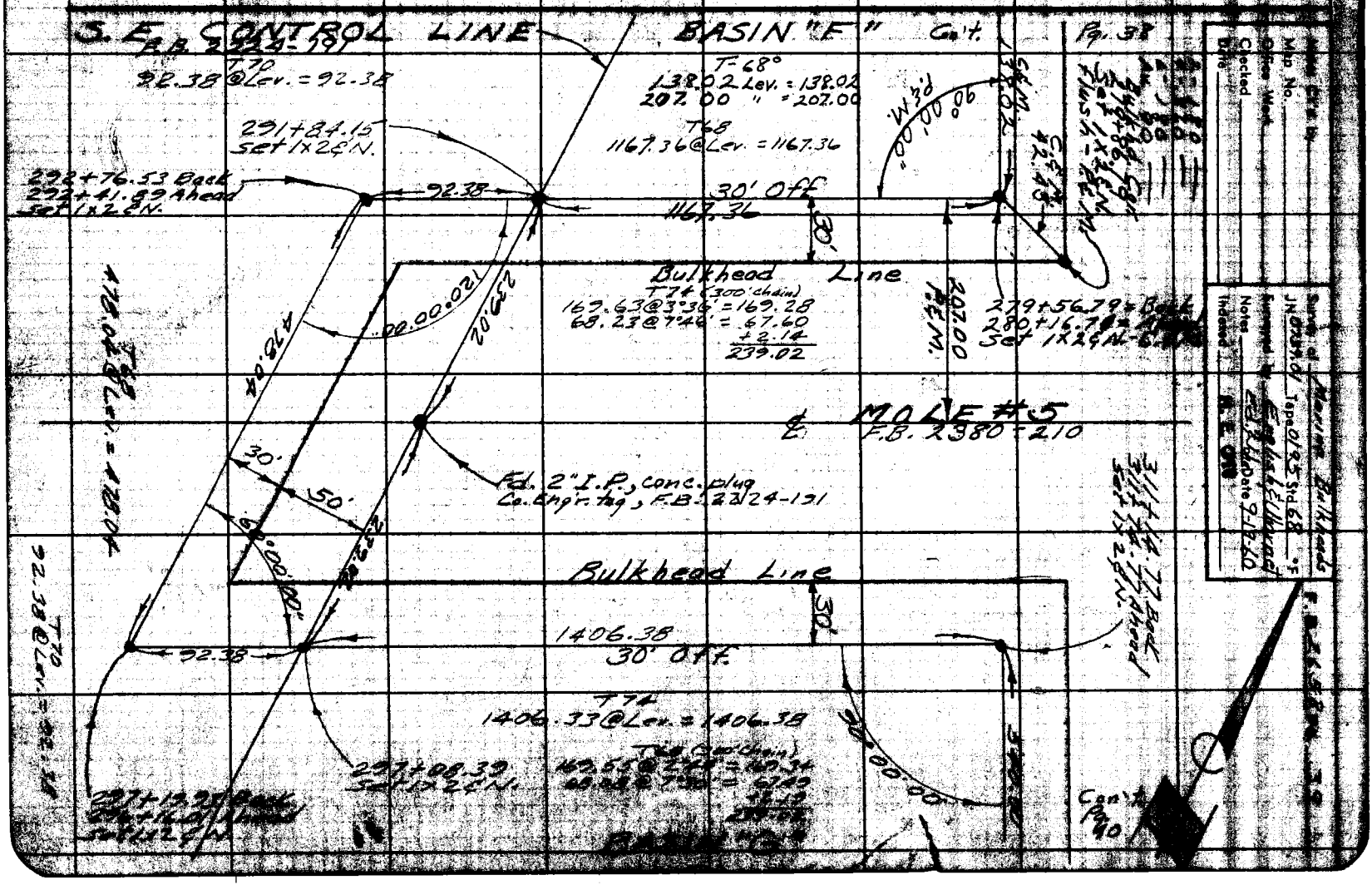

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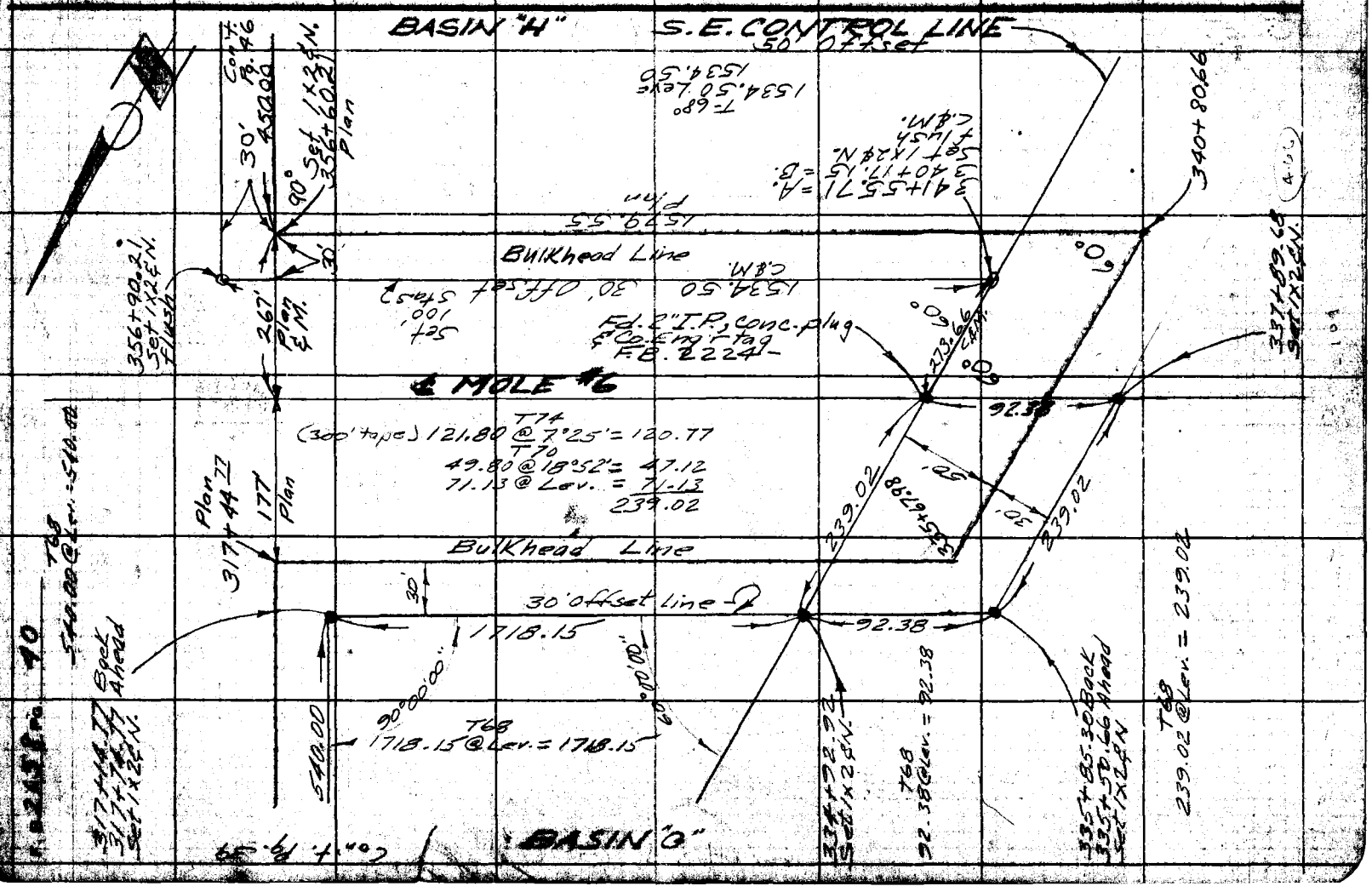
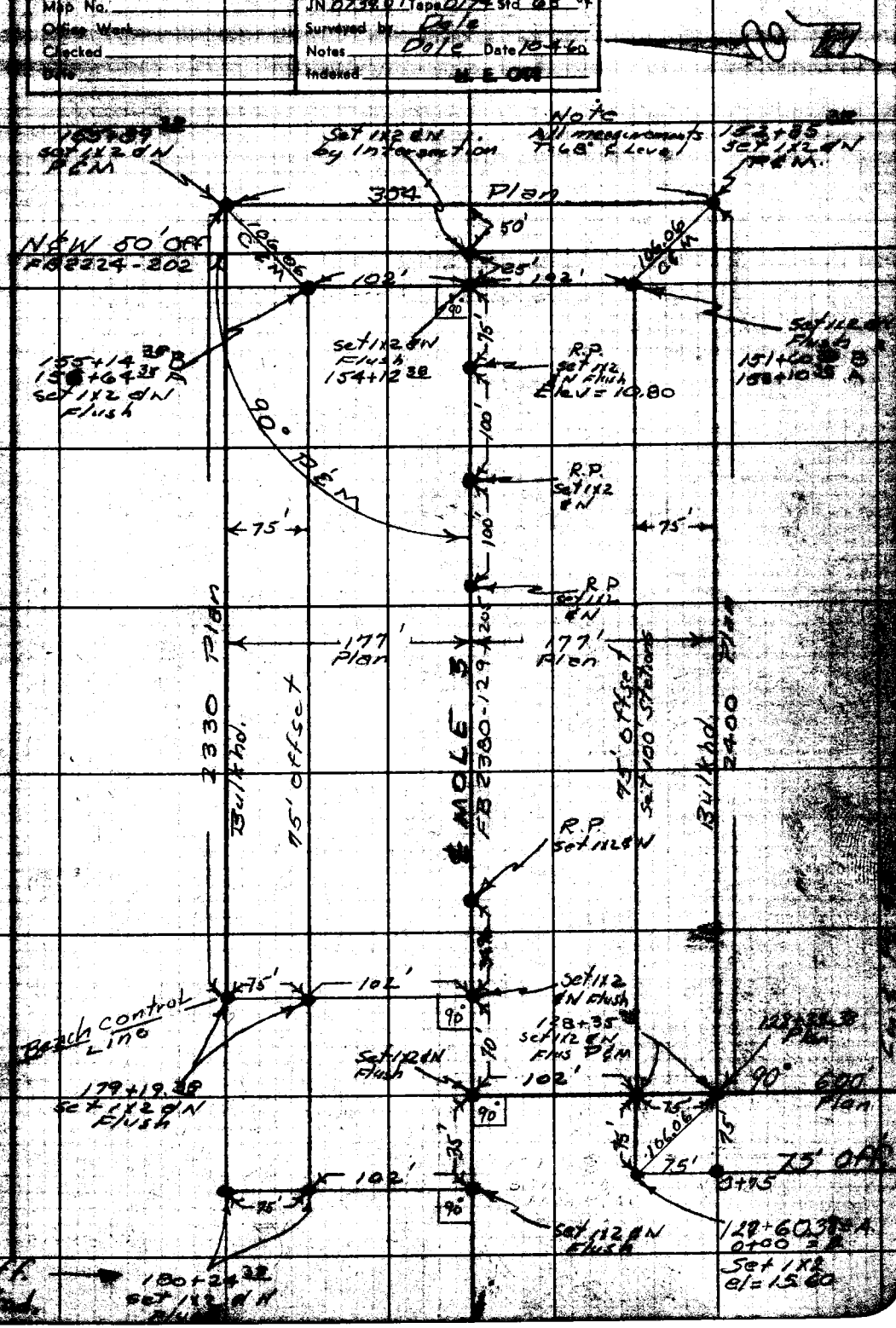
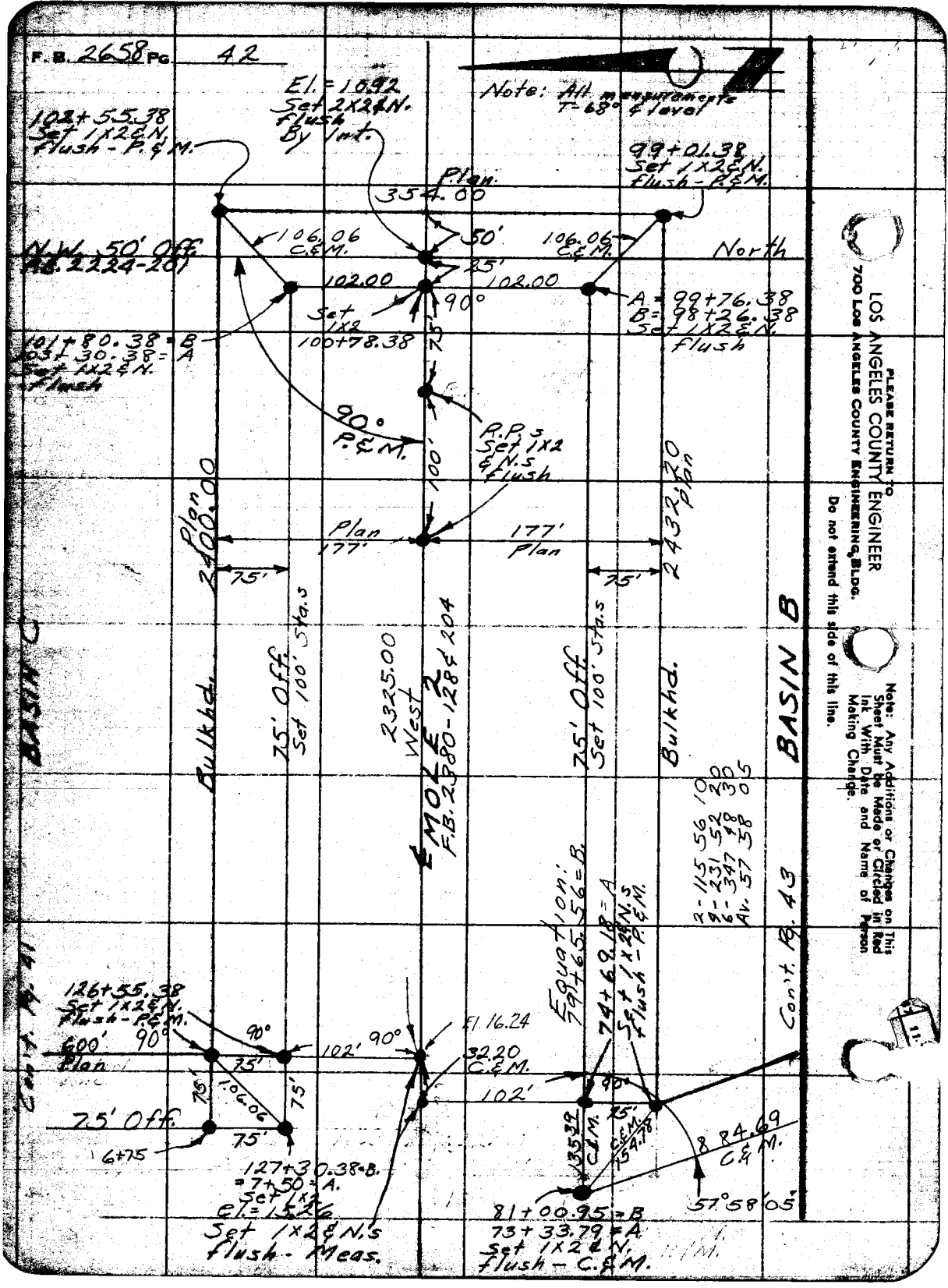


Notes Ck'd by
Map No.
Office Work
Checked
Date

Survey of Marina Bulkhd.
J.N. 0738.0 Tape 0.994 Std 68 °F
Surveyed by Dale
Notes Dale Date 10-7-60
Indexed M. E. Orr

F. B. 2658 Pg. 41




F.B. 2658 Pg. 42
Note: All measurements T-68° & level
El. = 10.92 Set 2X2 & N. Flush By Int.
102+55.38 Set 1X2 & N. Flush - P. & M.
99+01.38 Set 1X2 & N. Flush - P. & M.
Plan 354.00
50'
25'
106.06 C. & M.
106.06 C. & M.
North
N.W. 50' Off. F.B. 2224-201
102.00
102.00
90°
Set 1X2 100+78.38
A = 99+76.38
B = 98+26.38
Set 1X2 & N. Flush
101+80.38 = B
103+30.38 = A
Set 1X2 & N. Flush
75'
90° P. & M.
R.P.s Set 1X2 & N.s Flush
100'
Plan 2400.00
Plan 177'
177' Plan
2432.20 Plan
75'
75'
Bulkhd.
75' Off. Set 100' Sta.s
2325.00 West
℄ MOLE 2 F.B. 2380-128 & 204
75' Off. Set 100' Sta.s
Bulkhd.
BASIN C
BASIN B
2-115 56 10
9-231 52 20
6-347 48 30
Av. 57 58 05
Equation: 79+65.56 = B.
74+69.18 = A
Set 1X2 & N.s Flush - P. & M.
Cont. Pg. 43
Cont. Pg. 41
126+55.38 Set 1X2 & N. Flush - P. & M.
600' Plan
90°
90°
102'
90°
El. 16.24
32.20 C. & M.
75'
75'
75'
106.06
75' Off.
75'
6+75
102'
90°
75'
135.39 C. & M.
C. & M. 154.78
8 84.69 C. & M.
57°58'05"
127+30.38 = B.
= 7+50 = A.
Set 1X2
El. = 15.26
Set 1X2 & N.s Flush - Meas.
81+00.95 = B
73+33.79 = A
Set 1X2 & N. Flush - C. & M.
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Notes Ck'd by
Map No.
Office Work
Checked
Date

Survey of Marina Del Rey
JN 073901 Tape 0195 Std 68 °F
Surveyed by English
Notes Ed. Date 10-18-69
Indexed N.E. OK

F.B. 2658 Pg. 43

Note: All measurements = 68° Field

Set 2X2 E.N. - Flush - By Int.

52+00.99 = Cor.
Set 1X2 E.N.
P.E.M.

North

Cor. = 48+46.99
Set 1X2 E.N.
P.E.M.

W. 50' Offset
F.B. 2224-200

50.00
Calc. 810.41 C.E.M.
23.00
102.00
102.00
102.00

Split
51+25.99 = B
52+25.99 = A
Set 1X2 E.N.
Flush

90° Plan E.M.

90° Plan E.M.

1 = 71.99 = B
2 = 21.99 = A
Set 1X2 E.N.
Flush

90° 00' 00" Plan E.M.

Set 1X2 E.N.
Flush

46°

BASIN B

Bulkhead

2 - 180 00 00
3 - 360 00 00
6 - 180 00 00
Av. 90 00 00

Set 100' Stas. 75' Offset

Set 1X2 E.N.

F.B. 2380-127 & 203

MOLE 1

Set 100' Stas. 75' Offset

Bulkhead

BASIN

1 - 93 21 30
2 - 186 19 00
3 - 280 13 30
Av. 186 12 15

1 - 114 45 45
2 - 229 37 45
3 - 350 17 54
Av. 58 22 54

Set 1X2 E.N.

Split
B = 28+99.34
A = 29+16.76
Set 1X2 E.N.
Flush

C.E.M.
18.82 West

Cor. 72+5280
Set 1X2 E.N.
P.E.M.

127° 01' 55"
P.E.M.

Cor.
28+77.78
Set 1X2 E.N.
P.E.M.

104.58

C.E.M.

85.74
C.E.M.

102.00 90°

Set 1X2 E.N.
Flush

90° 102.00

5.61
C.E.M.

el. 14.30

Split
B = 30+11.58
A = 29+48.03
Set 1X2 E.N.
Flush

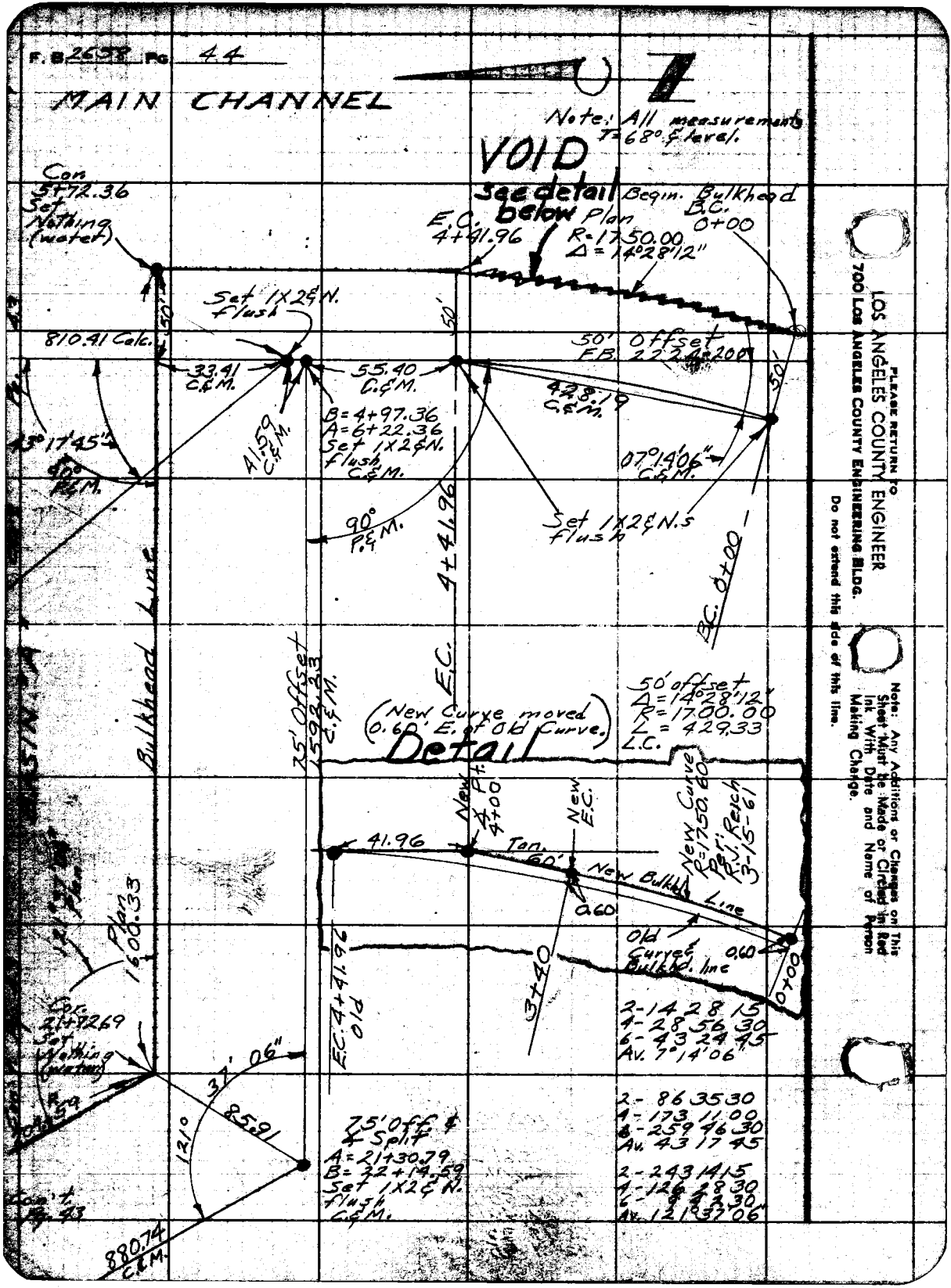
94.69
C.E.M.

2 - 244 03 50
4 - 128 07 40
6 - 112 17 30
Av. 122 01 55

Cont. pg. 42

225
538.58
763.58

LOS ANGELES COUNTY ENGINEER
7100 Law Enforcement Building
Do not write in this area


F.B. 2658 Pg. 44
MAIN CHANNEL
Note: All measurements T=68° & level.
VOID
See detail below
Plan
Begin. Bulkhead B.C. 0+00
E.C. 4+41.96
R=1750.00
Δ=14°28'12"
Con 5+72.36 Set Nothing (water)
Set 1X2 & N. flush
810.41 Calc.
50'
50' Offset F.B. 2224+200
33.41 C.&M.
55.40 C.&M.
428.19 C.&M.
B=4+97.36
A=6+22.36
Set 1X2 & N. flush C.&M.
41.59 C.&M.
43°17'45"
90° P.&M.
07°14'06" C.&M.
90° P.&M.
Set 1X2 & N.s flush
4+41.96
B.C. 0+00
Bulkhead Line
75' Offset 1592.23 C.&M.
E.C.
(New Curve moved 0.60' E. of Old Curve.)
Detail
50' offset
Δ=14°28'12"
R=1700.00
L=429.33
L.C.
New ¼ Pt. 4+00
New E.C.
New Curve R=1750.60 Per: R.J. Reich 3-15-61
41.96
Tan. 60'
New Bulkhd. Line
0.60
Old Curve & Bulkhd. line
0.60
0+00
3+40
E.C. 4+41.96 Old
Plan 1600.33
Cor. 21+72.69 Set Nothing (water)
37' 06"
85.91
121°
75' Off & ¼ Split
A=21+30.79
B=22+14.59
Set 1X2 & N. flush C.&M.
880.74 C.&M.
Con't. Pg. 43
2-14 28 15
4-28 56 30
6-43 24 45
Av. 7°14'06"
2-86 35 30
4-173 11 00
6-259 46 30
Av. 43 17 45
2-243 14 15
4-126 28 30
6-9 42 30
Av. 121°37'06"
PLEASE RETURN TO
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Notes Ck'd by
Map No.
Office Work
Checked
Date

Survey of Marina Bulkhds
J.N. 0239.01 Tape 0195 Std 68 °F
Surveyed by English
Notes
Date 12-8-60
Indexed M. & OH

Bulkhd. Line 3
South Side
of Basin

Con't
Pg. 26

Pred.-Set 1X2 E.N.
Flush
(edge of water)

N. 9,703,138.42 (Scale)

Cor = EQUATION:
379+ 9.45 = B.
380+18.85 = A.
Set 1X2 E.N.
Flush
R.E.M.

60°00'

3238+56.10
Set 1X2 E.N.
Flush
Top of dike

50.33
C.E.M.

Int. 30.0 Off E 50.0 Off
380+29.62 = Ahead
379+09.45 = Back
Set 1X2 E.N.
Flush
C.E.M.

6-8-61
Plan Change:
Per: Hap Calphan
Bulkhd. Line moves
Q.50 West
From: 380+18.85 = A
To: 393+59.75
MOLE
F.B. 2380-[illegible]

MAIN CHANNEL

Pred.
Set 2X2 N.A.T.
Flush
edge of
Water

New
Plan
N. 4,102,894.18

LINE

Old
0.50
50.00

C.E.M.

1280.00'
C.E.M.

382+73.09
Set
1X2 E.N.
Flush
R.E.M.

Set 1X2 E.N.
Flush
by Int.

Δ-100.00.00
d-360.00.00
t-180.000
Az. 90°00.00"
Top Wall el-12.00
3937.53.75
Set 1X2 E.N.s
R.E.M.
393+[illegible].00
Top Wall
el-12.32

R.P.s
Set 1X2 E.N.s
Flush
100.00

Abandoned BULKHEAD

C.E.M.

30' Offset Line

F.B. 2224-186

Δ-120.00.00
d-240.00.00
t-360.00.00
Az. 90.00.00

5-8-61
Plan Change
Per: R.J. Reich
Shown in F.B.
New Bulkhd. Line

39.5+29.10 Top wall el-12.32
393+[illegible]
Set 1X2 E.N.s
R.E.M.
393+37.85
Top wall el-12.50

Set 1X2 E.N.s
Flush

Set
1X2

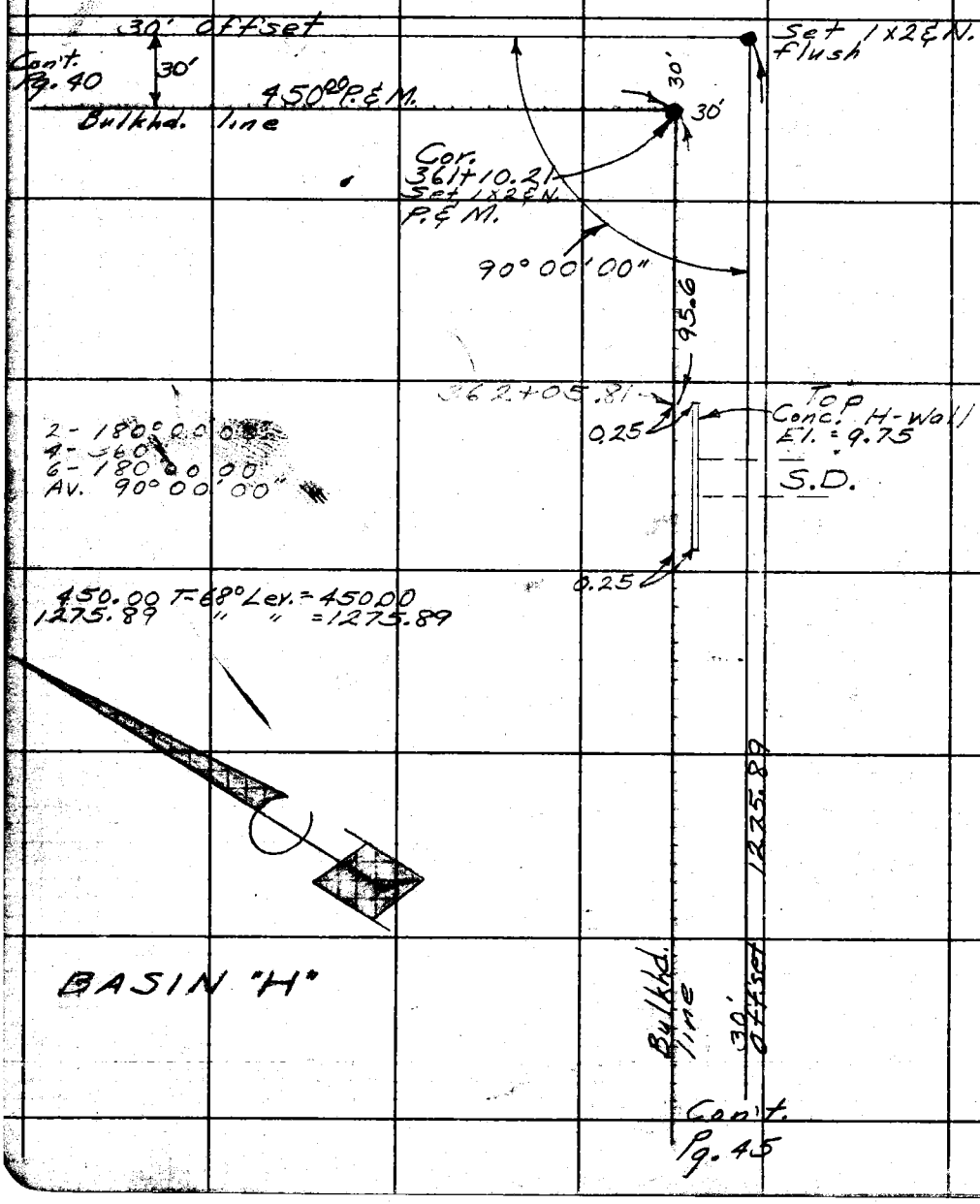
10.07
50.00
25.00
100.00
24.84
90°
Top
Wall
el=
12.50

T.B.M. #1
el=[illegible]
Set "X"
Gas
Valves

Note: All measurements
level & [illegible]

Revised End of Bulkhd.
396+37.85
Set 1X2 E.N.s
Flush - R.E.M.

LOS ANGELES COUNTY
700 Los Angeles County



BASIN "H"

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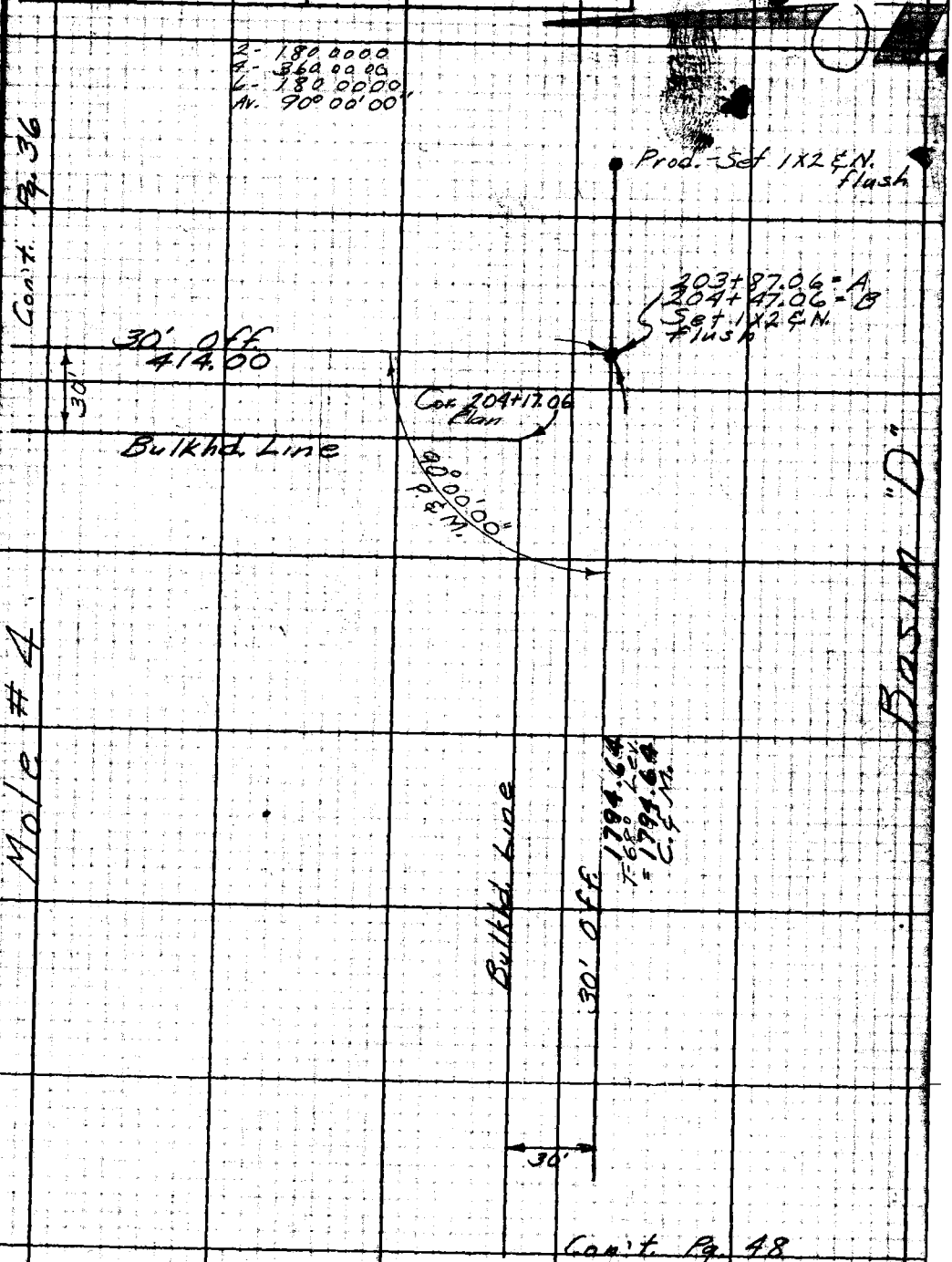
Notes Ck'd by	Survey of Marina Bulkhd.s
Map No.	JN 0739.01 Tape 0195 Std 68 °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 2-28-61
Date	Indexed M.E. Off

F. B. 47



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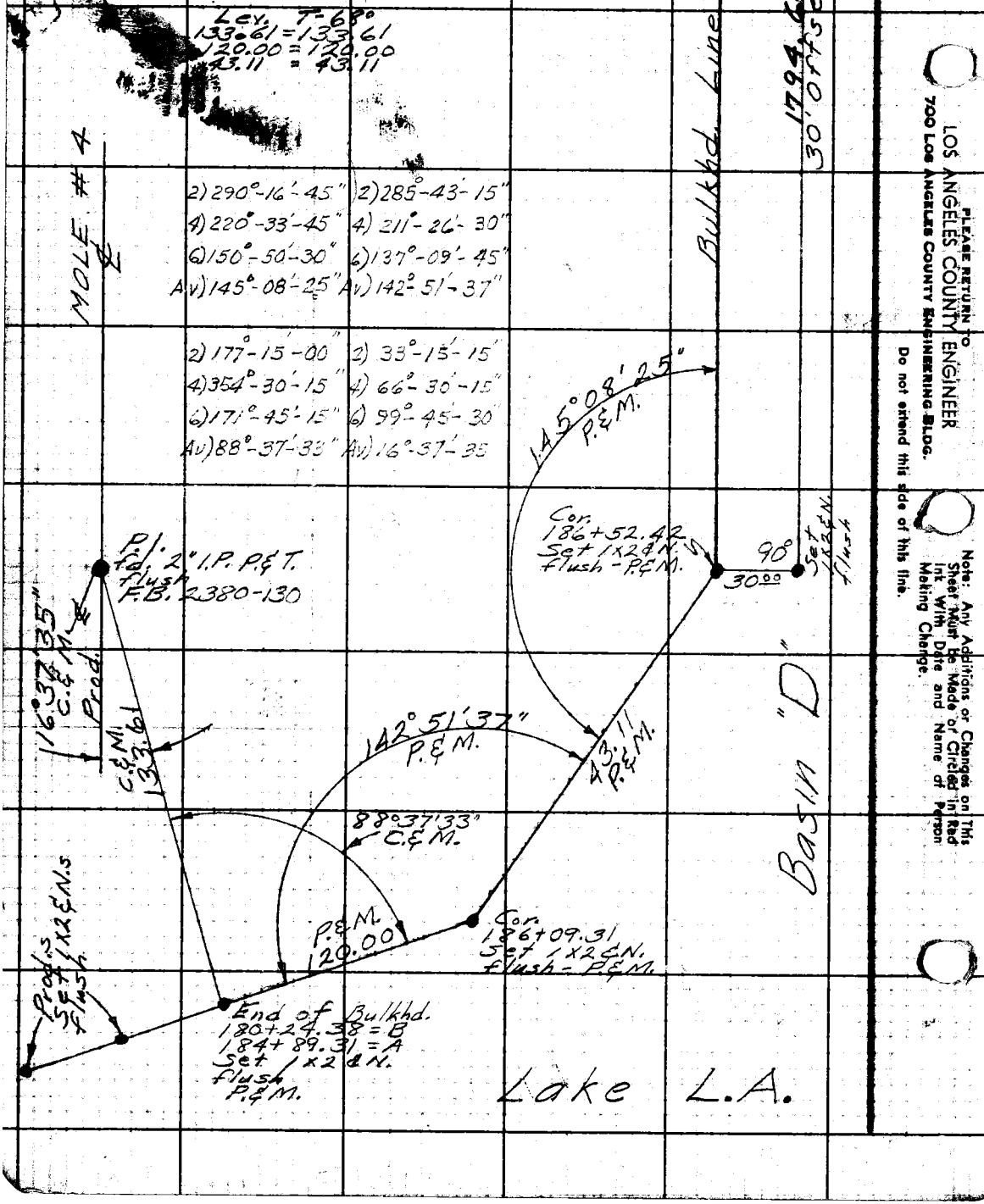
76F3098 S&E 1247 11-66

F. B. 2658 P. 78

Con't. Pg. 47



LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

PLEASE RETURN TO

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76L-298 CE 307 11-58

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LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
359+00		15 65	92	64	15 L T.S.	
			35	121	28 L Top dike	
			43	113	31 L Brk	
			43	113	41 L Gnd	
T.P.	2 57	15.25	297	12.68	T.P.	
360+00			881	644	Bulkhd	Line
			95	57		20 R
			87	65	22 L T.S.	
			36	116	30 Top dike	
			36	116	40 Gnd	
361+00			656	869	Bulkh'd	Line
			88	64		20 R
			62	90	23.5 L T.S.	
			38	114	33° L Top dike	
			38	114	43° L Gnd.	
361+10.21			621	904	Bulkh'd	Cor. - pg. 46
			202	1323	1.75 Offset Line	Prod to E
			187	1338	825 " "	" " "
			202	13.23	1.75 " "	" " S
			203	1322	825 " "	" " S
T.P.	4 69	17 79	215	13 10		

Profile Notes Red ____ Plotted ____ Job No. 0739.01 Division No. 11 F.B. 2658 Pg. 49
No. ____ Date ____ Date ____ Survey of Marina Bulkh'ds
X-Sec. Notes Chkd. ____ Checked ____ Survey by English Notes Sheet Date 2-15-60
No. ____ Date ____ Date ____ Map No. ____ Indexed H.R.C. Date H.R.C.

F.B. 2658 Pg. 50 Job No. 0739.01 Division No. 11 Notes Red ____ Plotted ____ Profile

Survey of Marina Bulkh'ds Date ____ Date ____ No. ____

Survey by English Notes Shoemaker Notes Chkd. ____ Checked ____ X-Sec.

Indexed H. E. OD Date ____ Date ____ Date ____ No. ____

76L-298 CE 307 11-58

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
360+90.21		17.79	3.24	14.55	30' 30' Offset 1X2	Pg 221

Profile No.	Notes Red	Plotted	Job No. 0739.01	Division No. 11	F.B. 2658 Pg. 31
	Date	Date	Survey of Marina Bulkheads		
X-Sec. No.	Notes Chkd.	Checked	Survey by English	Notes Shoe.	Date 2-28-61
	Date	Date	Map No.	Indexed	Date APR 6

MARINA DEL REY
BULKHEADS

J.N.
0739.01

Mole # 4
Profile
30' Offset Line
& Bulkhead Line

STATION	B.S.	H.I.	F.S.	ELEV.
	Tollison	Dupuis	Foulger	Shoemaker	English	Feb. 28, 1961

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761-298 CE 307 11-58

76L-298 CE 307 11-58

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Profile No. ____ X-Sec. No. ____
Plotted ____ Date ____ Checked ____ Date ____

Division No. 11 Notes Red ____ Date ____ Notes Chkd. ____ Date ____
Job No. 0739.01 Notes ____ Date ____

Survey of Marina Pulkhds
Survey by Zimmer Notes Sheemaker
Indexed H. S. Off

F.B. 2258 No. 32

STATION	B.S.	H.I.	F.S.	ELEV		
✗ Pt. (30' off)	7 90	11 68		3 78	✗ Pt., 1X2, el=378, Pg. 103,	224+15.14 = B. 224+33.98 = A.
221+00	4 90	7.76	8 82	2 86	1 X 2, 30' Off.	
220+00					Inaccessible	
219+00			3 68	4 08	1X2 & N 30' Off	
218+00			3 80	3 96	" " "	
217+00	4 36	8.91	3 21	4 55	" " "	
216+22.06			4 72	4 19	" " "	
216+00			4 97	3 94	" " "	
215+00			4 72	4 19	" " "	
214+00			4 80	4 11	" " "	
213+00	3 82	9 35	3 38	5 53	" " "	
212+00			4 80	4 55	" " "	
211+00			4 56	4 79	" " "	
210+00	5 34	10 20	4 46	4 89	" " "	
209+00			5 13	5 07	" " "	
208+72.06			5 00	5 20	" " "	
208+21.06			4 82	5 38	" " "	
207+41.06 A 208+01.06 B			5 54	4 66	" " "	Cor. Pg. 36
	4.76	9 80	5 16	5 04	" " "	Prod to E. pg. 36

END.

76L-298 CE 307 11-58

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.				
		9 80						
207 +	4 55	10 23	4 12	5 68	30° Offset		1X2 & N	
206 +			2 03	8 20	"	"	"	"
205 +			4 91	5 32	"	"		
203 + 87.06 A 204 + 47.06 B	5 12	10 3[illegible]	5 04	5 19	"	"	Cor. "	"
			3 42	6 89	"	"	E. Prod	1X2 & N
			4 73	5 58	1.75	"	" "	" "
			4 70	5 61	8.25	"	" "	" "
			4 67	5 64	30°	"	S "	" "
			4 61	5 70	1.75	"	" "	" "
			4 64	5 67	8.25	"	" "	" "
204 +			5 20	5 11	30'	"	1X2 & N	
203 +	4 67	9 91	5 07	5 24	"	"	"	"
202 +			4 89	5 02	"	"	"	"
201 +			4 79	5 12	"	"	"	"
200 +	5 02	9 82	5 11	4 80	"	"	"	"
199 +			5 27	4 55	"	"	"	"
198 +			5 34	4 48	"	"	"	"
197 + 16.06			5 63	4 19	"	"	"	"
197 [illegible] +	5 93	9 89	5 86	3 96	"	"	"	"
196 +			5 01	4 88				

END

Profile Notes Red ____ Plotted ____ Job No. 0739.01 Division No. 11 F.B. 2658 Pg. 33
No. ____ Date ____ Date ____ Survey of Marina Bulkheads
X-Sec. Notes Chkd. ____ Checked ____ Survey by E. English Notes Shaemaker Date 3-2-61
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

76L-296 CE 307 11-58

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Do not extend notes this side of this line.

F.B. 2658 Pg. 5 Job No. 0739.01 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of Marina Bulkheads Date ____ Date ____ No. ____ X-Sec. ____
Survey by E. English Notes E. Shoemaker Notes Chkd. ____ Checked ____ No. ____
Indexed H. E. Ott Date ____ Date ____ Date ____

STATION	B.S.	H.I.	F.S.	ELEV.		
		9 89				
195+			5 32	4 57	1x2 ℄ N 30' Offset Line	
194+			5 35	4 54	" " " "	"
193+12.97	6 22	10 65	5 46	4 43	" " " "	"
TP	3 36	12 30	1 71	8 94	" " " "	"
188+42.72	5 32	14 51	3 11	9 19	1x2 ℄ N 30' Offset Line	
TP	2 39	12 56	4 34	10 17		
TBM S-?	4 46	14 48	2 54	10 02	TBM S-? EL 10.095 FB-2679-8	
—	2 02	12 12		10.10	—	
193+			7 6	4 4	Bulkhd. Line - Pg. 48	
192+			6 8	5 2	" "	"
191+			5 5	6 5	" "	"
190+	3 87	11 47	5 12	7 60	" "	" 1x2
189+			2 8	8 7	" "	"
188+			2 3	9 2	" "	"
187+			3 5	8 0	" "	"
186+52.42	6 71	13 98	4 20	7 27	" Cor. "	1x2
186+09.31			5 2	8 8	" " "	
184+89.31=A			3 8	10 2	" End "	
180+24.38=B						
T.B.M. S-?			3 88	10 10	T.B.M. S-? el=10.095, F.B. 2679-8	

END

0739.01 11

F.B. 2658 Pg. 55

Profile No. Notes Red Plotted Job No. Division No.
Date Date Survey of Marina Bulkheads
X-Sec. No. Notes Chkd. Miller Checked Survey by E. English Notes Shoemaker Date 2-27-61
Date March 1961 Date Map No. Indexed H. E. OTT Date MAR 29 '61

MARINA DEL REY

J.N.

0739.01

BULKHEAD LINE CROSS-SECT.

South Side Basin H.

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

2-27-61

Party:

E. English

E. Shoemaker

D. Foulger

E. Dupuis

G. Tollison

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

Do not extend notes this side of this line.

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

761-298 CE 307 11-58

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
361+10.21	5 81	14 85 ✓		9.04 ✓	Per Pg. 49 (Bulkh'd Cor. Pg. 46)	
			1 8	13 0 ✓	30 L.	
			0 8	14 0 ✓	40 L.	
362+00			10 5	4 3 ✓		Bulkhd. Line
			10 5	4 3 ✓		20 R.
			10 5	4 3 ✓	8' L. B. dike	
			2 2	12 6 ✓	33 L. T. "	
363+00			10 0	4 8 ✓		Bulkhd. Line
			10 0	4 8 ✓		20 R.
			10 0	4 8 ✓	4' L.	
			2 0	12 8 ✓	25' L. Same	
364+00			9 8	5 0 ✓		Bulkhd. Line
			9 8	5 0 ✓		20 R.
			9 3	5 5 ✓	15 L.	
			1 5	13 3 ✓	35 L Same	
365+00			10 0	4 8 ✓		Bulkhd. Line
			10 0	4 8 ✓		20 R.
			9 7	5 1 ✓	15 L.	
			1 7	13 1 ✓	32 L. Same	
T.P.	3 16	16 22 ✓	1 79	13 06 ✓		

D.F.

F.B. 2658 No. 56 Job No. 073901 Division No. 11 Notes Red Plotted Profile
Survey of Marina Bulkheads Date Date No. X-Sec.
Survey by E. English Notes E. Shoemaker Notes Chkd. Checked
Indexed H. E. On Date Date Date No.

76L-298 CE 307 11-58

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		Bulkhd. Line
366+00		16 22	100	6 2		Bulkhd. Line
			100	6 2		20 R.
			106	15 6	18 L	B. dike
			26	13 6	33 L	T. "
367+00			110	5 2		Bulkhd. Line
			110	5 2		20 R.
			107	5 5	18 L.	Same
			35	12 7	32 L.	
368+00			102	6 0		Bulkhd. Line
			102	6 0		20 R.
			100	6 2	9 L.	Same
			23	13 9	31 L.	
369+00			92	7 0		Bulkhd. Line
			92	7 0		20 R.
			92	7 0	2 L.	Same
T.P.	235	17 94	063	15 59	30 L.	
370+00			125	5 4		Bulkhd. Line
			125	5 4		20 R.
			122	5 7	10 L	
			47	13 2	31 L	Same

D.F.

Profile Notes Red ____ Plotted ____ Job No. 0739.01 Division No. 11
No. ____ Date ____ Date ____ Survey of Marina Bulkhds
X-Sec. ____ Notes Chkd. Miller Checked ____ Survey by English Notes Ed. Date 3-24-61
No. ____ Date Nov. 1961 Date ____ Map No. ____ Indexed H. E. OH Date ____

F.B. 2658 Pg. 57

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV	Bulkhd. Line
371+00		17 94	11 0	6 9	" "
			11 0	6 9	20 R.
			10 8	7 1	12 L. B. Dike
			4 6	13 3	33 L. T. "
372+00			10 0	7 9	Bulkhd. Line
			10 0	7 9	20' R.
			9 5	8 4	18 L. Same
			3 5	14 4	35 L.
373+00			11 0	6 9	Bulkhd. Line
			11 0	6 9	20 R.
			10 5	7 4	18 L. Same
			3 8	14 1	36 L.
374+00			6 56	11 38	See pg. 184, 30' Off. L.

D.F.

F.B. 2658 Pg. 58 Job No. 0739.01 Division No. 11 Notes Red Plotted Profile
Survey of Marina Bulkhd.s Date Date No. X-Sec.
Survey by English Notes Ed. Notes Chkd. Checked No.
Indexed D.E. Oil Date Date Date No.

F.B. 2658 PG. 59

Profile No. | Notes Red | Plotted | Job No. 0739.01 | Division No.
Date | Date | Survey of MARINA DEL REY
X-Sec. No. | Notes Chkd. | Checked | Survey by J.P. MENNE Notes J.P.M. Date 3-15-61
Date | Date | Map No. | Indexed H. E. OTI Date MAR 29

RE- X-SECTIONING

OF

AREA NEAR BASIN "E"
FOR PAYMENT TO CONTRACTOR
BEGIN @ STA. 218+00
TO STA 243+00

J.P. MENNE
W. J. VOGE
L. C. LOVE
R. H. GILFOY
K. J. RIGDON

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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PLEASE RETURN TO
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700 Los Angeles County Engineering Bldg.

76L-299 CE 307 11-58

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV	USED LENKER ROD	
(FD) T.B.M S-				10 09	T.B.M.S-	℄
218+00						
"				7 1	26' L	TOP BANK ABOVE BLK. DITCH
"				8 4	75' L	
"				10 0	150' L	
"				10 1	204' L	
"				8 3	279' L	
"				7 5	313' L	TOE SLOPE
219+00						
"				6 9	25' L	TOP BANK ABOVE BLK. DITCH
				8 6	75' L	
				10 2	150' L	
				9 9	204' L	
				8 4	279' L	
				8 1	312' L	TOE SLOPE
220+00						
				7 6	35' L	TOP BANK ABOVE BLK. DITCH
				8 6	75' L	
				10 3	150' L	
				10 5	204' L	
				8 8	279' L	

F.B. 2658 PG. 60

Job No. 0739.01 Division No. Notes Red Plotted Profile

Survey of MARINA DEL REY Date Date No. X-Sec.

Survey by J.P. MENNK Notes J.P.M Notes Chkd. Checked

Indexed B. E. OTT Date Date Date No.

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LENKER ROD USED	
220+00					308' L	TOE S.E
221+00 T.P.						
				7 6	35' L	TOP BANK ABOVE BLK. DITCH
				8 9	75' L	
				10 5	150' L	
				10 6	221' L	
				8 5	279' L	
				7 8	314' L	TOE SLOPE
222+00						
				7 8	33' L	TOP BANK ABOVE BLK. DITCH
				9 1	75' L	
				10 8	150' L	
				10 8	204' L	
				8 8	279' L	
				7 2	354' L	
223+00						
				7 7	33' L	TOP BANK ABOVE BLK. DITCH
				9 4	75' L	
				11 0	150' L	
				11 2	204' L	
				9 3	279' L	
				8 0	315' L	

Profile No.____ Date____ Notes Red____ Plotted____ Job No. 0739.01 Division No.____

X-Sec. No.____ Date____ Notes Chkd____ Date____ Checked____ Date____ Survey of MARINA DEL REY Survey by J.P. MEANS Notes J.P.M. Date 3-15-61 Map No.____ Indexed H.E.O.M. Date____

F.B. 2658 Pg. 61

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LENKER ROD USED	
224+00						℄
				7 7	33' L	TOP BANK ABOVE BLK. DITCH
				9 5	75' L	
				11 0	150' L	
				10 1	235' L	
				8 3	306' L	
224+24.56 SPLIT OF ℄						
				7 8	30' L	TOP BANK ABOVE BLK. DITCH
				9 2	75' L	
				11 2	150' L	
T.P. 224+50						
				8 0	30' L	TOP BANK ABOVE BLK. DITCH
				9 9	90' L	
				10 8	120' L	
225+50						
				8 0	30' L	TOP BANK ABOVE BLK. DITCH
				10 0	90' L	
				11 0	120' L	
226+50						
				8 0	30' L	TOP BANK ABOVE BLK. DITCH
				9 8	80' L	
				10 8	110' L	

Profile No. ____ X-Sec. No. ____

Plotted ____ Date ____ Checked ____ Date ____

Notes Red. ____ Date ____ Notes Chkd. ____ Date ____

Division No. ____ Job No. 0739.01 Notes J.R.M.

Survey of MARINA DEL REY

Survey by J.P. MENNE

Indexed ____ Date ____

F.B. 2658 PG. 62

76298 S & E #307—7-55

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LENKER ROD USED	
227+50						℄
				8 1	30' L	TOP BANK ABOVE BLK. DITCH
				10 6	100' L	
228+50						
				8 2	30' L	TOP BANK ABOVE BLK. DITCH
				9 8	75' L	
				12 7	150' L	
229+54.46 (BACK)						
				7 8	30' L	TOP BANK ABOVE BLK. DITCH
				10 0	75' L	
				13 1	150' L	
229+54.46 SPLIT OF ℄						
				8 0	30' L	TOP BANK ABOVE BLK. DITCH
				10 2	100' L	
				12 0	150' L	
229+54.46 (AHEAD)						
				8 0	30' L	TOP BANK ABOVE BLK. DITCH
				9 5	80' L	
230+50						
				8 9	25' L	TOP BANK ABOVE BLK. DITCH
				12 2	120' L	

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0739.01 Division No. ____ F.B. 2658 Pg. 63
Date ____ Date ____ Survey of MARINA DEL REY
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by J.P. MENNE Notes J.P.M. Date 3-16-61
Date ____ Date ____ Map No. ____ Indexed H.E. ON Date ____

76298 S & E #307—7-55

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LENKER ROD USED	
T.P. 231+50						℄
				8 9	20' L	TOP BANK ABOVE BLK. DITCH
				13 0	100' L	
232+14.84 SPLIT OF ℄						
				9 6	30' L	TOP BANK ABOVE BLK. DITCH
				12 3	80' L	
232+14.84 (AHEAD)						
				9 4	30' L	TOP BANK ABOVE BLK DITCH
				11 5	75' L	
233+00						
				9 1	30' L	TOP BANK ABOVE BLK. DITCH
				11 3	90' L	
234+00						
				8 8	30' L	TOP BANK ABOVE BLK. DITCH
				10 7	90' L	
				13 2	180' L	
235+00						
				8 7	30' L	TOP BANK ABOVE BLK. DITCH
				10 4	100' L	
				12 8	200' L	
				14 0	300' L	

F. B. 2658 Pg. 64 Job No. 0739.01 Division No. Notes Red. Plotted Profile
Survey of MARINA DEL REY Date Date No.
Survey by J.P. MENNE Notes J.P.M. Notes Chkd. Checked X-Sec.
Indexed Date Date No.

76298 S & E #307—7-55

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LENKER ROD USED	
T.P. 236+00						℄
				8 5	30' L	TOP BANK ABOVE BLK. DITCH
				10 0	100' L	
				12 3	200' L	
				14 2	300' L	
				16 4	400' L	
237+00						
				8 5	30' L	TOP BANK ABOVE BLK. DITCH
				9 7	100' L	
				11 6	200' L	
				13 7	300' L	
				15 5	400' L	
				16 7	460' L	
238+00						
				8 6	30' L	TOP BANK ABOVE BLK. DITCH
				9 8	100' L	
				11 8	200' L	
				13 5	300' L	
				15 3	400' L	
				17 0	480' L	
				(OVER)		

Profile Notes Red. ____ Plotted ____ Job No. 0739.01 Division No. ____ F. B. 2658 PG. 65
No. ____ Date ____ Date ____ Survey of MARINA DEL REY
X-Sec. Notes Chkd. ____ Checked ____ Survey by J.P. MENNE Notes J.R.M. Date 3-16-61
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____
H. E. OTT

76298 S & E #307—7-55

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LENKER ROD USED	
239+00						℄
				8 5	30' L	TOP BANK ABOVE BLK. DITCH
				9 5	100' L	
				11 6	200' L	
				13 2	300' L	
				15 0	400' L	
				16 6	500' L	
				17 1	520' L	
240+00						
				8 5	30' L	TOP BANK ABOVE BLK. DITCH
				9 9	100' L	
				11 4	200' L	
				13 2	300' L	
				15 0	400' L	
				16 7	500' L	
				17 3	530' L	
241+00						
				8 6	30' L	TOP BANK ABOVE BLK. DITCH
				9 7	100' L	
				11 4	200' L	
				13 3	300' L	

F. B. 2658 PG. 66 | Job No. 0739.01 | Division No. | Notes Red. | Plotted | Profile
Survey of MARINA DEL REY | Date | Date | No.
Survey by J.P. MENNE | Notes J.P.M. | Notes Chkd. | Checked | X-Sec.
Indexed | Date | Date | Date | No.

76298 S & E #307—7-55

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LENKER ROD USED	
241+00				15 0	400' L	℄
				16 7	500' L	
				17 5	540' L	
242+00						
				8 6	35' L	TOP BANK ABOVE BLK. DITCH
				10 0	110' L	
				11 5	200' L	
				13 4	300' L	
				15 0	400' L	
				17 2	500' L	
				17 7	535' L	
243+00						
				8 4	28' L	TOP BANK ABOVE BLK. DITCH
				10 0	116' L	
				11 8	200' L	
				13 7	300' L	
				15 7	400' L	
				17 6	500' L	

Profile Notes Red. ____ Plotted ____ Job No. 0739.01 Division No. ____ F. B. 2658 Pg. 67
No. ____ Date ____ Date ____ Survey of MARINA DEL REY
X-Sec. Notes Chkd. ____ Checked ____ Survey by J.P. MENNE Notes J.P.M. Date 3-16-61
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OD Date ____

F. B. 2658 Pg. 68

Job No. Division No. Notes Red. Plotted Profile

Survey of Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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76298 S & E #307—7-55

Notes Ck'd by	Survey of MARINA DEL REY	F. B. 2658 PG. 69
Map No.	JN 0739.05 Tape Std °F	
Office Work	Surveyed by ENGLISH	
Checked	Notes ED. Date 7-17-61	
Date	Indexed H. E. OTT JUL 21 '61	

MARINA DEL REY

J.N. 0739.05

PARCEL #62
UNDERGROUND
UTILITIES
Administration Center

SURVEY REQUESTED
BY R. J. REICH
Letter Received 7-13-61

JULY 17, 1961
ENGLISH
SHOEMAKER
FOULGER
DUPUIS
TOLLISON

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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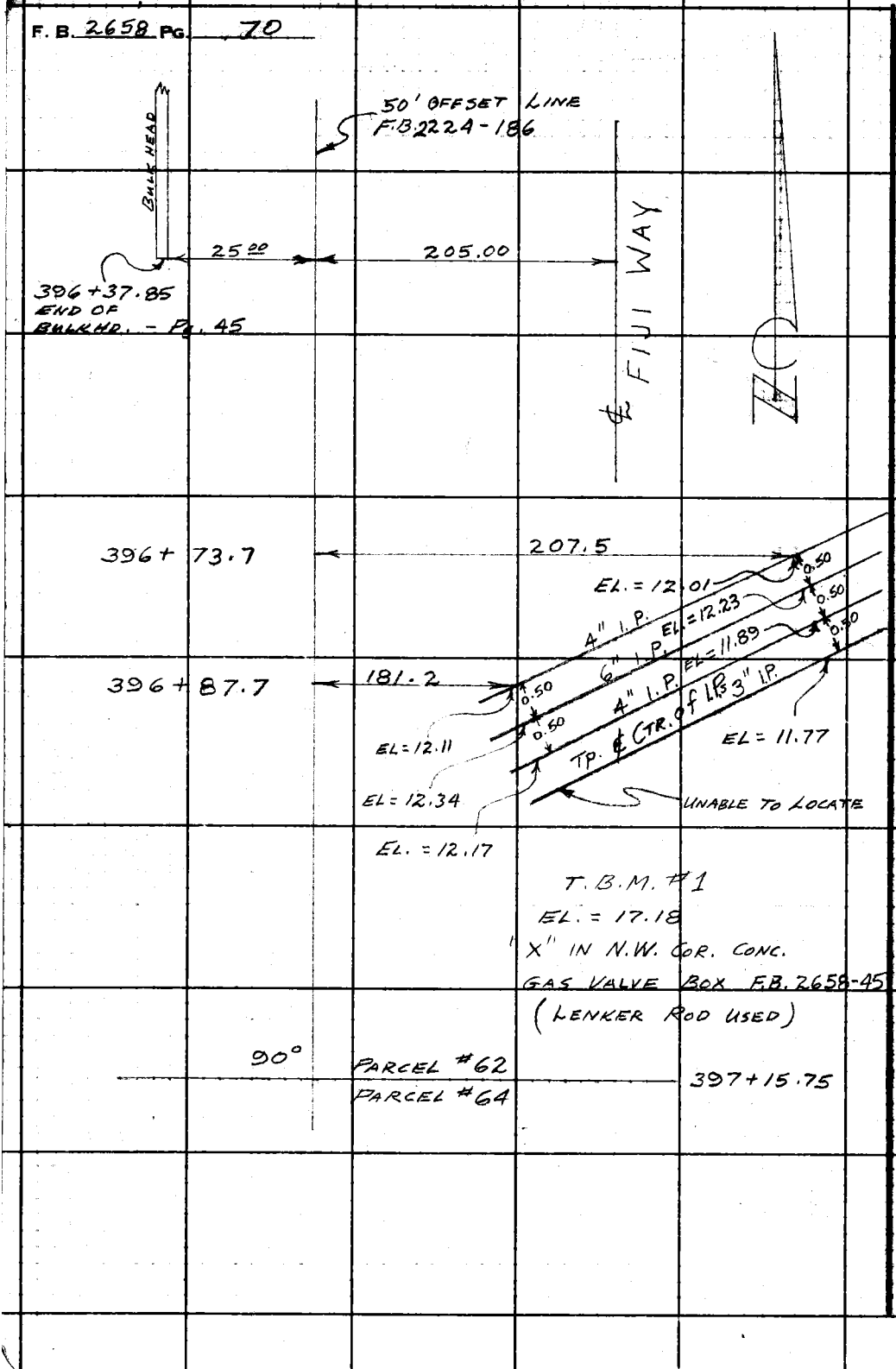
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S S&E #247 11-59

F. B. 2658 PG. 70



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700 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.
Note: Any Additions or Changes on This Sheet Must Be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of MARINA DEL REY
Map No.	JN 0739.05 Tape Std °F
Office Work	Surveyed by F.E. Brooks
Checked	Notes F.E.B. Date July 1961
Date	Indexed H. E. OTT JUL 21 '61

F. B. 2658 PG. 71

J.N. 0739.05

MARINA DEL REY

Ground Line for Underground Conduit

at station 397+12.54

Near Administration Center

FE Brooks
E. Shoemaker
D. Le Gault
J. Maldonado
G.R. Esquer.

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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700 LOS ANGELES COUNTY ENGINEERING BLDG.

76E308 SAE #247 11-58

F. B. 2658 Pg. 22

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700 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	F. B. 4.58 PG. 73
Map No.	JN 0735.05 Tape Std °F	
Office Work	Surveyed by FE Brooks	
Checked	Notes FEB Date 19 July 1961	
Date	Indexed JUL 21 '61 H. E. ON	

SHOT No.	LEAD LINE	ANGLE
1	4.8	14° 58'
2	8.9	23° 46'
3	17.0	30° 09'
4	20.0	35° 02'
5	20.5	38° 15'
6	20.8	43° 51'
7	17.9	49° 28'
8	18.1	52° 42'
9	19.1	54° 09'
10	20.6 soft	58° 12'
11	20.9	60° 15'
12	20.7	61° 42
13	20.8	63° 50'
14	19.9	64° 15'
15	20.0	65° 36'
16	21.1 soft	66° 22'
17	19.3	67° 45'
18	16.9	68° 50'
19	19.8	68° 52'
20	16.1	68° 55'
21	20.2	65° 45'
22	20.6	66° 34'
23	18.3	68° 02'
24	15.7	68° 11'
25	15.3	68° 36'
26	14.9	68° 41'
27	14.2	68° 49'
28	13.0	71° 10'
29	12.2	72° 07'
30	11.1	72° 54'
31	10.3	73° 42'
32	8.7	74° 22'
33	1.5	74° 38'

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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700 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.

76E309S SAE #247 11-58

F. B. 2658 PG. 74

TBM #1 Elev. 17.18 X in N.W. Cor. of Conc. gas Valve box. per F.B. 2658-45

TBM #1	17.18
+	0.54
Π	17.72
−	8.23
T.P.	9.49
+	3.07
Π	12.56
−	9.66
Water Level	2.90
+	9.66
Π	12.56
−	3.07
T.P.	9.49
+	8.23
Π	17.72
−	0.53
TBM #1	17.19

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LOS ANGELES COUNTY ENGINEER
700 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.	JN 0739.01 Tape Std °F
Office Work	Surveyed by J.P. MENNE
Checked	Notes J.P.M. Date 5-5-61
Date	Indexed H. E. [illegible] [illegible]

F. B. 2658 PG. 75

X- SECTIONS

OF

SLIDE AREA

BEGINNING AT STA. 373+50 TO STA 377+50

REQUESTED BY COUNTY INSPECTOR
HAP GALIPHER

J.P. MENNE
W.J. VOGE
L.C. LOVE
H. ROBBINS

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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700 LOS ANGELES COUNTY ENGINEERING BLDG.
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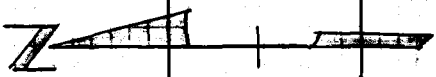
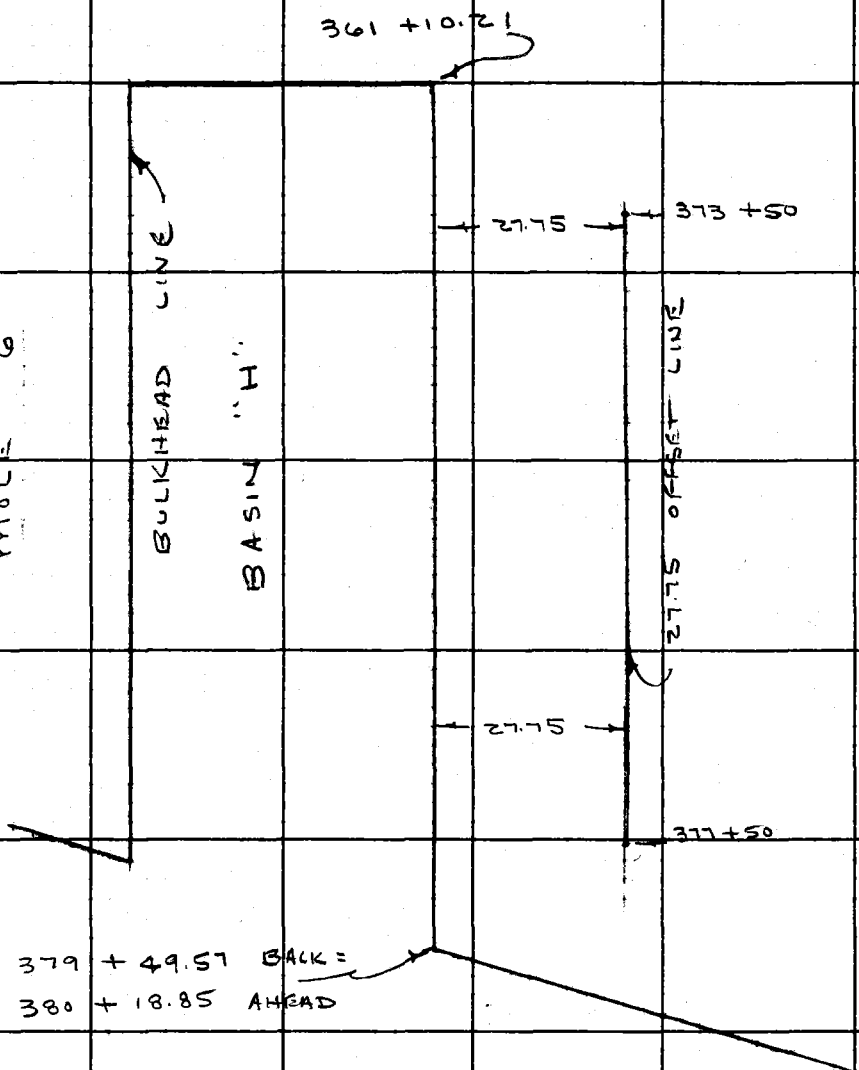
76F309S S&E #247 11-58

F. B. 2658 PG. 76

(INDEX)





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LOS ANGELES COUNTY ENGINEER
700 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.

765614 CE301 7-57

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line

TRANSIT SET UP ON STATIONS ON 27.75 LEFT OFFSET LINE FROM BULKHEAD BEGINNING AT STA. 373 + 50 SIGHT ON STA. 339 + 00

Transit at	Sight on	Stadia Intercepts	Stadia Distance	Stadia Rod—	Horizontal Angle 0° to 360° Right	Horiz. Distance	+ Vertical Angle −	Elevation of Point	Back Sight	+ Difference Elevation −	Height of Instrument	+ Vertical Distance −	REMARKS Station	Left	Right
373+50	339+00							11 54	4 00		15 54		T.P. 1+2 - TOP BANK ABOVE BLK. DITCH		
"		13.20													
		13.00	20	16 8	90 0	20	0 0	− 01 3					BOTT. DITCH		✓
"		13.35													
		13.00	35	16 8	90 0	35	0 0	− 01 3					" "		✓
"		14.00													
		13.50	50	8 8	90 0	50	0 0	06 7					T.B.		✓
		3.00													
"		2.00	100	2 7	90 0	100	0 0	12 8							✓
		9.40													
"		8.00	140	10 3	90 0	140	0 0	5 2							
"				3 0	270 0	4	0 0	12 5						✓	
		2.50													
"		2.00	50	2 3	270 0	50	0 0	13 2						✓	
		2.00													
"		1.00	100	1 6	270 0	100	0 0	13 9							
		4.48													
"		3.00	148	3 6	270 0		+ 0 55	11 9							
374+00	339+00							11 54	2 00		13 54		T.P. 1+2		
"		13.22													
		13.00	22	14 3	90 0	22	0 0	− 00 8					BOTT. DITCH		✓
		3.36													
"		13.00	36	14 3	90 0	36	0 0	− 00 8					" "		✓
"		7.50													
		7.00	50	7 3	90 0	50	0 0	06 2							✓
		1.90													
"		1.00	90	1 0	90 0	90	0 0	12 5							✓
		7.40													
"		6.00	140	6 1	90 0	140	0 0	07 4							✓

Add'n'l Inform.

Notes Red. ____ Platted ____ Job No. 0739.01 Division No. ____ F.B. 2658 PG. 77
Date ____ Date ____ Survey of MARINA DEL REY
Notes Chkd. ____ Checked ____ Survey by J. D. MENNE Notes J.P.M. Date 5-8-61
Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

76S614 CE301 7-57

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Transit at	Sight on	Stadia Intercepts	Stadia Distance	Stadia Rod—	Horizontal Angle 0° to 360° Right	Horiz. Distance	+ — Vertical Angle	Elevation of Point	+ Back Sight	+ — Difference Elevation	Height of Instrument	+ — Vertical Distance	REMARKS Station	Left	Right
					° ′		° ′		1		13 54				
374+ 00	379+ 00				° ′		° ′		2						
"				2 7	270 0	3	− 0 0	09 8	3					✓	
"		0.50 / 0.00	50	0 4	270 0	50	− 0 0	13 1	4					✓	
"		2.00 / 1.00	100	1 5	270 0	100	+ 0 55	13 6	5	+ 0 1		+ 1 60		✓	
"		2.52 / 1.00	152	1 7	270 0	152	+ 1 02	14 5	6	+ 1 0		+ 2 74		✓	
"		2.58 / 1.00	158	2 0	270 0	158	+ 1 47	16 4	7	+ 2 9		+ 4 91		✓	
"		5.20 / 3.50	170	4 5	270 0	170	+ 1 45	14 2	8	+ 0 7		+ 5 18		✓	
					° ′		° ′		9						
374+ 50	379+ 00				° ′		° ′	11 54	10 3 80		15 34				
"			0	5 0	0 0	0	− 0 0	10 3	11				T.B.		✓
"		13.22 / 13.00	22	16 0	90 0	22	− 0 0	−00 7	12				BOTT. DITCH		✓
"		13.34 / 13.00	34	16 0	90 0	34	− 0 0	−00 7	13				" "		✓
"		9.50 / 9.00	50	9 4	90 0	50	− 0 0	05 9	14						✓
"		3.58 / 3.00	58	3 6	90 0	58	− 0 0	11 7	15						✓
"		1.90 / 1.00	90	1 5	90 0	90	− 0 0	13 8	16						✓
"		8.50 / 7.00	150	8 0	90 0	150	− 0 0	07 3	17						✓
"		1.10 / 0.50	60	0 4	270 0	60	− 0 0	14 9	18					✓	
"		5.05 / 4.00	105	4 5	270 0	105	+ 1 57	14 3	19	− 1 0		+ 3 47		✓	
"		2.00 / 0.50	150	1 3	270 0	150	+ 3 25	22 9	20	+ 7 6		+ 8 92		✓	
"		13.10 / 11.00	210	12 1	270 0		+ 3 22	15 5	21	+ 0 2		+ 12 30		✓	

Add'n'l Inform.

F.B. 2658 PG. 78

Topography Description Legend:
Side Hill....S.H. Bottom Draw B.D.
Side of Draw S.D. Bottom Wash B.W.
Side of Ridge S.R. Top of Ridge T.R.
Head of Draw H.D. Toe of Slope..T.S.

Inters. of Draws V.D's
Break in Slope..Bk.S.
Steep Slope.....S.S.
Top of Cliff.....T.Cl.
Bottom of Cliff..B.Cl.
Top of Spur.....T.Sp.
Bottom Canyon..B.Cn.

Side of Canyon S.Cn.
Top of Bank...T.B.
Bottom of Bank.B.B.
Top of Cut.....T.C.
Bottom of Cut..B.C.
Top of Fill.....T.F.
Bottom of Fill.B.F.

Saddle .....Sa.
Swale .....Sw.
Flat .....Fl.
Stream .....Str.
Trail .....Tr.
Pavement ....Pvt.
Edge of Road E.Rd.

Traveled Rd. Tr.Rd.
Fence .....Fn.
Int. Fences.V.Fns.
Ditch .....Dt.
Telephone Pole T.P.
Power Pole....P.P.
Culvert .....Cul.

Oak-O. Fir-Fr.
Pine-Pi. Cedar-Ce.
Sycamore .....Sy.
Eucalyptus ....Eu.
Plus combinations of these and all common standard abbreviations.

76S614 CE301 7-57

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Transit at	Sight on	Stadia Intercepts	Stadia Distance	Stadia Rod—	Horizontal Angle 0° to 360° Right	Horiz. Distance	+ − Vertical Angle	Elevation of Point	+ Back Sight	+ − Difference Elevation	Height of Instrument	+ − Vertical Distance	REMARKS Station	Left	Right
375+ 00	379+ 00				° ′		° ′		1						
							−	11 54	3 10	−	14 64	−			
"				6 7	90 0	14	− 0 0	07 9	2	−	−	−			✓
"		13.23 / 13.00	23	14 9	90 0	23	− 0 0	− 00 3	3	−	−	−	BOTT. DITCH		✓
"		13.36 / 13.00	36	14 9	90 0	36	− 0 0	− 00 3	4	−	−	−	" "		✓
"		5.57 / 5.00	57	5 3	90 0	57	− 0 0	09 3	5	−	−	−			✓
"		1.40 / 0.50	90	0 6	90 0	90	− 0 0	14 0	6	−	−	−			✓
"		8.85 / 7.50	135	7 7	90 0	135	− 0 0	06 9	7	−	−	−			✓
"			0	5 4	0 0	0	− 0 0	09 2	8	−	−	−			
"		5.40 / 5.00	40	7 2	270 0	40	− 0 0	07 4	9	−	−	−		✓	
"		3.70 / 3.00	70	3 3	270 0	70	+ 2 07	13 9	10	− 0 7	−	+ 2 58		✓	
"		4.45 / 3.50	95	4 0	270 0	95	+ 2 02	14 0	11	− 0 6	−	+ 3 37		✓	
"		2.05 / 1.00	105	1 5	270 0	105	+ 3 30	19 5	12	+ 4 9	−	+ 6 39		✓	
"		2.30 / 1.00	130	1 7	270 0	129	+ 5 07	24 4	13	+ 9 8	−	+ 11 54		✓	
"		5.60 / 4.00	160	4 8	270 0	159	+ 4 52	23 3	14	+ 8 7	−	+ 13 52		✓	
"					270 0	198	− 0 0	14 8	15	−	−	−	+ 39 DOWN 8.5	✓	
							−		16	−	−	−			
							−	11 54	17 3 10	−	16 64	−	T.P. 1x2		
375+ 50	379+ 00			5 0	90 0	4	− 0 0	11 6	18	−	−	−			✓
"		7.13 / 7.00	13	7 5	90 0	13	− 0 0	09 1	19	−	−	−			✓
"		13.25 / 13.00	25	13 1	90 0	25	− 7 12	00 4	20	− 16 2	−	− 3 11	BOTT. DITCH		✓
"		13.40 / 13.00	40	13 2	90 0	40	− 4 29	00 3	21	− 16 3	−	− 3 12	BOTT. DITCH		✓

Add'n'l Inform.

Notes Red. ____ Platted ____ Job No. 0739.07 Division No. ____ F.B. 2658 Pg. 79
Date ____ Date ____ Survey of MARINA DEL REY
Notes Chkd. ____ Checked ____ Survey by J.P. MENNE Notes J.P.M. Date 5-8-61
Date ____ Date ____ Map No. ____ Indexed B. E. ON Date ____

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Oak-O. Fir-Fr. Pine-Pi. Cedar-Ce. Sycamore ..... Sy. Eucalyptus ..... Eu. Plus combinations of these and all common standard abbreviations.

Traveled Rd. Tr.Rd. Fence ..... Fn. Int. Fence ..... V.Fn. Ditch ..... Dt. Telephone Pole T.P. Power Pole..... P.P. Culvert ..... Cul.

Saddle ..... Sa. Swale ..... Sw. Flat ..... Fl. Stream ..... Str. Trail ..... Tr. Pavement ..... Pvt. Edge of Road E.Rd.

Side of Canyon S.Ca. Top of Bank..T.B. Bottom of Bank..B.B. Top of Cut..T.C. Bottom of Cut..B.C. Top of Fill..T.F. Bottom of Fill..B.F.

Inters. of Drawn V.Ds Break in Slope...Bk.S. Step Slope.....S.S. Top of Cliff.....T.Cl. Bottom of Cliff..B.Cl. Top of Spur..T.Sp. Bottom Canyon..B.Cn.

Topography Description Legend:
Side Hill.....S.H. Bottom Draw.B.D.
Side of Draw.S.D. Bottom Wash B.W.
Side of Ridge.S.R. Top of Ridge..T.R.
Head of Draw H.D. Toe of Slope..T.S.

F.B. 7658 Pg. 80

Transit at	Sight on	Stadia Intercepts	Stadia Distance	Stadia Rod—	Horizontal Angle 0° to 360° Right	Horiz. Distance	+ — Vertical Angle	Elevation of Point	+ Back Sight	+ — Difference Elevation	Height of Instrument	+ — Vertical Distance	REMARKS Station	Left	Right
									1		16 54				
375+ 50	379+00	4.65													
		4.00	65	3 9	90 0	65	0 0	12 6	2						✓
"		2.05													
		1.00	105	0 6	90 0	105	0 0	15 9	3						✓
		9.40													
"		8.00	140	7 8	90 0	140	0 0	08 7	4						✓
		5.92													
"		5.50	42	5 6	270 0	42	0 0	10 9	5						✓
		1.70													
"		1.00	70	0 4	270 0	70	0 0	16 1	6						✓
		1.90													
"		1.00	90	1 5	270 0	90	+ 0 40	16 1	7	0 4		+ 1 04			✓
		2.15													
"		1.00	115	1 5	270 0	114	+ 5 35	26 1	8	+ 9 6		+ 11 13			✓
		7.50													
"		6.00	150	6 7	270 0	149	+ 5 24	23 9	9	+ 7 4		+ 14 06			✓
					270 0	183	0 0	15 9	10				+ 34' DOWN 8.0		✓
									11						
376+ 00	379+ 00							11 54	12 3 50		15 04				
"			0	5 0	0 0	0	0 0	10 0	13						—
				8 3	90 0	14	0 0	06 7	14						✓
"				16 0	90 0	24	0 0	-01 0	15				BOTT. DITCH		✓
"				16 0	90 0	36	0 0	-01 0	16				" "		✓
		11.57													
"		11.00	57	11 0	90 0	57	0 0	04 0	17						✓
		5.85													
"		5.00	85	5 0	90 0	85	0 0	10 0	18						✓
		3.15													
"		2.00	115	2 7	90 0	115	0 0	12 3	19						✓
		10.50													
"		9.00	150	10 0	90 0	150	0 0	5 0	20						✓
		4.40													
"		4.00	40	4 4	270 0	40	0 0	10 6	21					✓	

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76S614 CE301 7-57

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Transit at	Sight on	Stadia Intercepts	Stadia Distance	Stadia Rod—	Horizontal Angle 0° to 360° Right	Horiz. Distance	+ − Vertical Angle	Elevation of Point	+ Back Sight	+ − Difference Elevation	Height of Instrument	+ − Vertical Distance	REMARKS Station	Left	Right
					° ′		° ′		1		15 04				
376+ 00	379+ 00	1.60 / 1.00	60	0 5	270 0	60	− 0 0	14 5	2					✓	
"		1.85 / 1.00	85	0 4	270 0	85	− 0 0	14 6	3					✓	
"		2.05 / 1.00	105	1 5	270 0	105	+ 2 56	18 9	4	+ 3 9		+ 5 36		✓	
"		3.20 / 2.00	120	2 5	270 0	120	+ 3 05	18 9	5	+ 3 9		+ 6 44		✓	
"		7.30 / 6.00	130	6 5	270 0	130	+ 3 00	15 4	6	+ 0 4		+ 6 85		✓	
					° ′		° ′		7						
376+ 50	379				° ′		° ′	11 54	8 5 60		17 14		T.P. 1x2		
"				11 4	90 0	19	− 0 0	05 7	9						✓
"		13.28 / 13.00	28	13 2	90 0	28	− 7 45	00 2	10	− 16 9		− 3 74			✓
"					90 0	45	− 0 0	00 2	11				+17 LEVEL		✓
"		12.50 / 12.00	50	12 3	90 0	50	− 0 0	04 8	12						✓
"		11.15 / 10.50	65	10 0	90 0	65	− 0 0	07 1	13						✓
"		1.95 / 1.00	95	1 4	90 0	95	− 0 0	15 7	14						✓
"		8.30 / 7.00	130	7 7	90 0	130	− 0 0	09 4	15						✓
"			0	4 9	0 0	0	− 0 0	12 2	16					✓	
"		3.49 / 3.00	49	3 4	270 0	49	− 0 0	13 7	17					✓	
"		3.08 / 2.00	108	2 2	270 0	108	− 0 0	14 9	18					✓	
"		2.40 / 1.00	140	1 7	270 0	140	+ 1 30	19 1	19	+ 2 0		+ 3 67		✓	
"		3.80 / 2.00	180	2 9	270 0	180	+ 1 37	19 3	20	+ 2 2		+ 5 08		✓	
"		6.95 / 5.00	195	6 0	270 0	195	+ 1 27	16 0	21	− 1 1		+ 4 93		✓	

Add'n'l Inform.

Notes Red. ____ Platted ____ Job No. 0739.01 Division No. ____ F.B. 2658 Pg. 81
Date ____ Date ____ Survey of MARINA DEL REY
Notes Chkd. ____ Checked ____ Survey by J.R. MENNE Notes J.R.M. Date 5-8-61
Date ____ Date ____ Map No. ____ Indexed H E OD Date ____

765614 CE301 7-57

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Oak.O. Fir-Fr. Pine-Pi. Cedar-Ca. Sycamore ....Sy. Eucalyptus ....Eu. Plus combinations of these and all common standard abbreviations.

Traveled Rd. Tr.Rd. Fence ....Fc. Ditch Fence.V.Fc. Ditch ....Dt. Telephone Pole .T.P. Power Pole ....P.P. Culvert ....Cul.

Saddle ....Sa. Swale ....Sw. Flat ....Fl. Stream ....Str. Trail ....Tr. Pavement ....Pvt. Edge of Road E.Rd.

Side of Canyon S.Cn. Top of Bank..T.B. Bottom of Bank.B.B. Top of Cut....T.C. Bottom of Cut..B.C. Top of Fill....T.F. Bottom of Fill..B.F.

Intersection of Draws V.Dr. Break in Slope..Bk.S. Steep Slope....S.S. Top of Cliff....T.Cl. Bottom of Cliff..B.Cl. Top of Spur....T.Sp. Bottom Canyon..B.Cn.

F.B. 2658 PG. 82

Topography Description Legend:
Side Hill....S.H. Bottom Draw.B.D.
Bottom Wash B.W.
Side of Draw.S.D. Top of Ridge.T.R.
Side of Ridge.S.R. Top of Slope..T.S.
Head of Draw H.D. Toe of Slope..T.S.

Transit at	Sight on	Stadia Intercepts	Stadia Distance	Stadia Rod	Horizontal Angle 0° to 360° Right	Horiz. Distance	+ − Vertical Angle	Elevation of Point	+ Back Sight	+ − Difference Elevation	Height of Instrument	+ − Vertical Distance	REMARKS Station	Left	Right
377+00	379+00							11 54	5 90		17 44		T.P. 1&2		
"	"			4 7	90° 0'	6	0° 0'	12 7							✓
"	"			9 5	90° 0'	14	0° 0'	07 9							✓
"	"	11.29													
"	"	11.00	29	11 1	90° 0'	27	15° 42'	− 01 2		18 6		7 55	BOTT DITCH		✓
"	"	7.45													
"	"	7.00	45	7 2	90° 0'	42	14° 44'	− 00 9		18 3		11 07	" "		✓
"	"	11.54													
"	"	11.00	54	11 5	90° 0'	54	0° 0'	05 9							✓
"	"	1.95													
"	"	1.00	95	1 0	90° 0'	95	0° 0'	16 4							✓
"	"	13.45													
"	"	12.00	145	12 6	90° 0'	145	0° 0'	04 8							✓
"	"	3.96													
"	"	3.50	46	3 7	270° 0'	46	0° 0'	13 7						✓	
"	"	2.87													
"	"	2.00	87	2 5	270° 0'	87	+ 2° 40'	18 9		+ 1 5		+ 4 04		✓	
"	"	7.33													
"	"	6.00	133	6 7	270° 0'	133	+ 2° 13'	15 9		1 5		+ 5 15		✓	
"	"	7.56													
"	"	6.00	156	6 8	270° 0'	156	+ 2° 08'	16 4		1 0		+ 5 80		✓	
"	"	2.71													
"	"	1.00	171	1 9	270° 0'	171	+ 2° 02'	21 6		+ 4 2		+ 6 07		✓	
"	"	5.00													
"	"	3.00	200	4 0	270° 0'	200	+ 2° 13'	21 1		+ 3 7		+ 7 74		✓	
"	"	9.08													
"	"	7.00	208	8 0	270° 0'	208	+ 2° 06'	17 0		0 4		+ 7 61		✓	
377+50	379+00							11 54	5 60		17 14		T.P. 1&2		
"	"			4 5	90° 0'	4	0° 0'	12 6							✓
"	"	11.22													
"	"	11.00	22	11 1	90° 0'	20	19° 03'	− 00 8		17 9		6 79	BOTT DITCH		✓
"	"	8.48													
"	"	8.00	48	8 2	90° 0'	45	15° 30'	− 03 5		20 6		12 36	" "		✓
"	"	12.52													
"	"	12.00	52	12 2	90° 0'		3° 30'	01 7		15 4		3 17			✓

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768614 CE301 7-57

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Transit at	Sight on	Stadia Intercepts	Stadia Distance	Stadia Rod—	Horizontal Angle 0° to 360° Right	Horiz. Distance	± Vertical Angle	Elevation of Point	± Back Sight	± Difference Elevation	Height of Instrument	± Vertical Distance	REMARKS Station	Left	Right
377+50	379+00				° '		° '		1		17 14				
"	"	1.96	96	0 8	90 0	96	0 0	16 3	2						✓
		1.00			° '		° '								
		13.35							3						
"	"	12.00	135	12 0	90 0	135	0 0	05 1							✓
		3.40			° '		° '		4						
"	"	3.00	40	3 0	270 0	40	0 0	14 1							
		2.79			° '		° '		5					✓	
"	"	2.00	79	2 5	270 0	79	0 0	14 6						✓	
		2.33			° '		° '		6						
"	"	1.00	133	1 4	270 0	133	0 0	15 7						✓	
		8.84			° '		° '		7						
"	"	7.00	184	7 9	270 0		+ 2 11	16 2		0 9		+ 7 01		✓	
					° '		° '		8						
					° '		° '		9						
					° '		° '		10						
					° '		° '		11						
					° '		° '		12						
					° '		° '		13						
					° '		° '		14						
					° '		° '		15						
					° '		° '		16						
					° '		° '		17						
					° '		° '		18						
					° '		° '		19						
					° '		° '		20						
					° '		° '		21						

Add'n'l Inform.

Notes Red. _____ Platted _____ Job No. 0739.01 Division No. _____ F.B. 2658 Pg. 83

Date _____ Date _____ Survey of MARINA DEL REY

Notes Chkd. _____ Checked _____ Survey by J.R. MENNE Notes J.P.M. Date 5-9-61

Date _____ Date _____ Map No. _____ Indexed H. E. OTT Date _____

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Transit at	Sight on	Stadia Intercepts	Stadia Distance	Stadia Rod—	Horizontal Angle 0° to 360° Right	Horiz. Distance	+ — Vertical Angle	Elevation of Point	+ Back Sight	+ — Difference Elevation	Height of Instrument	+ — Vertical Distance	REMARKS Station	Left	Right
					° ′		° ′		1						
					° ′		° ′		2						
					° ′		° ′		3						
					° ′		° ′		4						
					° ′		° ′		5						
					° ′		° ′		6						
					° ′		° ′		7						
					° ′		° ′		8						
					° ′		° ′		9						
					° ′		° ′		10						
					° ′		° ′		11						
					° ′		° ′		12						
					° ′		° ′		13						
					° ′		° ′		14						
					° ′		° ′		15						
					° ′		° ′		16						
					° ′		° ′		17						
					° ′		° ′		18						
					° ′		° ′		19						
					° ′		° ′		20						
					° ′		° ′		21						

Add'n'l Inform.

F.B. 2658 PG. 84

Topography Description Legend:
Side Hill....S.H.
Side of Draw.S.D.
Side of Ridge.S.R.
Head of Draw H.D.
Bottom Draw.B.D.
Bottom Wash B.W.
Top of Ridge.T.R.
Toe of Slope..T.S.

Inters. of Draws.V.D's
Break in Slope..Bk.S.
Steep Slope.....S.S.
Top of Cliff.....T.Cl.
Bottom of Cliff..B.Cl.
Top of Spur.....T.Sp.
Bottom Canyon..B.Cn.

Side of Canyon S.Cn.
Top of Bank...T.B.
Bottom of Bank.B.B.
Top of Cut.....T.C.
Bottom of Cut..B.C.
Top of Fill.....T.F.
Bottom of Fill.B.F.

Saddle .....Sa.
Swale .....Sw.
Flat .....Fl.
Stream .....Str.
Trail .....Tr.
Pavement ....Pvt.
Edge of Road E.Rd.

Traveled Rd. Tr.Rd.
Fence .....Fn.
Int. Fences.V.Fns.
Ditch .....Dl.
Telephone Pole T.P.
Power Pole...P.P.
Culvert .....Cul.

Oak-O. Fir-Fr.
Pine-Pl. Cedar-Ce.
Sycamore .....Sy.
Eucalyptus ....Eu.
Plus combinations of these and all common standard abbreviations.

Profile No.	Notes Red	Plotted	Job No. 0739.01	Division No. 11	F.B. 2658 Pg. 85
	Date	Date	Survey of Marina Bulkhds		
X-Sec. No.	Notes Chkd.	Checked	Survey by English	Notes E.A.	Date 5-16-61
	Date	Date	Map No.	Indexed	Date

MARINA BULKHEADS

J.N. 0739.01

REVISED
BULKHD LINE
CROSS SECTIONS
From: 393+54.75
To: 396+37.85

May 16, 1961
English
Shoemaker
Foulger
Dupuis
Tollison

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

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

76L-298 CE 307 11-58

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.		
T.B.M.#1	0 26	17 44		17 18	Pg. 45	
393+54.75			9 9	7 5	Bulkhd. cor., pg. 45	
393+71.00			10 0	7 4	" " "	
394+00			10 7	6 7	" Line	
			2 7	14 7	13' L. T. dike	
			4 3	13 1	50' L.	
395+00			9 4	8 0	Bulkhd. Line	
			3 3	14 1	8' L. T. dike	
			2 5	14 9	50' L.	
396+37.85			2 6	14 8	end Bulkhd., Pg. 45	
			2 5	14 9	50' L.	
T.B.M.#1			0 26	17 18		

F.B. 2658 Pg. 86 Job No. 0739.01 Division No. 11 Notes Red Plotted Profile
Survey of Marina Bulkhds Date Date No.
Survey by Engls Notes Ed Notes Chkd. Checked X-Sec.
Indexed H.E. Date Date Date No.

Dupuis

Profile No.	Notes Rd.	Plotted	Job No. 8910.13	Division No. 11	F.B. 2658	Pg. 91
	Date	Date	Survey of Marina Del Rey			
X-Sec. No.	Notes Chkd.	Checked	Survey by E. English	Notes Shoemaker	Date 11-14-60	
	Date	Date	Map No.	Indexed	Date NOV 15	

MARINA DEL REY

J.N. 8910.13

LINCOLN BLVD
DRAINAGE
UNIT 2

DIKE
CROSS SECTIONS

Nov. 14, 1960

Party
E. English
E. Shoemaker
D. Foulger
~~E. Dupuis~~
G. Tollison

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

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761-328 CE 307 11-58

76L-298 CE 307 11-56

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STATION	B.S.	H.I.	F.S.	ELEV		
BM-MDR53	3.39	18.81		15.42	BM MDR53 EL 15.42	FB 2649-?
T.P.	4.00	16.48	6.33	12.48		
"	4.30	15.31	5.47	11.01		
"	2.93	12.22	6.02	9.29		
"	4.56	11.74	5.04	7.18		
"	7.18	18.53	0.39	11.35		
					Note: Typical X Section of Dike moved by contractor. Length of dike moved =52'R & 22'L of Storm Drain ℄, see pg 12	
(Line "A") 1+28			11.4	7.1	Toe of Dike ℄ S.D. See pg 12	
1+45			06	17.9	Top of " ℄ " " "	
1+75			11.6	6.9	Toe of " ℄ " " "	
TP	1.00	12.22	7.31	11.22	T.P.	
	3.76	9.96	6.02	6.20	T.P.	
	8.54	17.20	1.30	8.66		
					Note: Typical X Section of Dike moved by contractor. Dike E. of M.H. #2, (line "B") pg. 13, Length of Dike moved 70'	
0+00			13.5	3.7	Toe of Dyke	
1+40			66	10.6	Br.	

DF.

WLY Side Dike

F.B. 2658 Pg. 92
Job No. 8910.13 Division No. 11 Notes Red Plotted Profile
Survey of Marina Del Rey Date Date No. X-Sec.
Survey by English Notes E. Shoemaker Notes Chkd. Checked
Indexed H. E. OTT Date Date Date No.

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.		
		17.20				
0+58			0.7	16.5	Top of Dike	
0+68			1.1	16.1	" " "	
0+77			5.7	11.5	Toe of "	
BM 51-A			6.05	11.15	B.M. M.D.R. 51-A, el.= 11.14, F.B. 2380-208	
		Dike Cross Section At Line "C"				
BM MDR-50A	5.84	17.12		11.28	BM MDR 50-A El. 1128 F.B. 2649-?	
					Note: Typical X. Section of Dike moved by contractor. Length of dike moved 50'	
T.P.	5.39	20.78	1.73	15.39	(W. Side of Dike along W. side of Lincoln Blvd.)	
0+00			10.5	10.3	Side of Dike & bottom of Contractors cut	
0+22			1.3	19.5	Top of "	
0+33			1.0	19.8	" " "	
0+48			10.1	10.7	Toe of " (E. Side)	
T.P.	4.44	16.27	8.95	11.83	T.P.	
BM MDR-50A			5.00	11.27	B.M. MDR 50 A El. 11.28 F.B. 2649-? (Above)	

D.F.

Profile Notes Red ____ Plotted ____ Job No. 8910.13 Division No. 11 F.B. 2658 Page 93
No. ____ Date ____ Date ____ Survey of Marina Del Rey
X-Sec. Notes Chkd. ____ Checked ____ Survey by E. English Notes Shrunk Date 11-14-60
No. ____ Date ____ Date ____ Map No. ____ Indexed H. F. OTT Date ____

F. B. 2658 PG. 94

Job No. _____ Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of _____ Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76L-298 CE 307 11-58

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76L-298 CE 307 11-58

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STATION	B. S.	H. I.	F. S.	ELEV.		
E'ly. Bot. of dike is 64' W'ly. from ℄ Lincoln Blvd. meas. along ℄ Access Rd. (Pg. 8)						
" " " " " 54' " " " " " " " " (Pg. 11)						
X-Sec. of dike along W'ly. side of Lincoln Blvd. at M.H. #2,8,10						
B.M. M.D.R. #51-A	4 77	15 91		11 14	M.D.R. #51-A, el=11.14, Pg. 27	
T.P.	8 85	19 25	5 51	10 40		
0+00					℄ Lincoln Blvd.=0+00 going S.40° W.	
0+65			9 0	10 2	East Bot. Dike	Typical X-Sec. of 60' length of dike moved by contractor. for construction of Line "A" S.D. pipe.
0+79			1 4	17 8	" Top "	
0+88			1 5	17 7	West " "	
1+48			15 5	3 7	" Bot. "	
B.M. M.D.R. #51-A			8 11	11 14	Same as above	

Profile ____ Notes Red ____ Plotted ____ Job No. 8910.07 Division No. 11
No. ____ X-Sec. ____ Date ____ Date ____ Survey of Lincoln Drain #2
No. ____ Notes Chkd. ____ Checked ____ Survey by English Notes ____ Date 11-25-60
Date ____ Date ____ Map No. ____ Indexed ____ Date ____
F. B. 2658 Pg. 95

F. B. 2658 Pg. 96

Job No. _____ Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of _____ Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76L-298 CE 307 11-58

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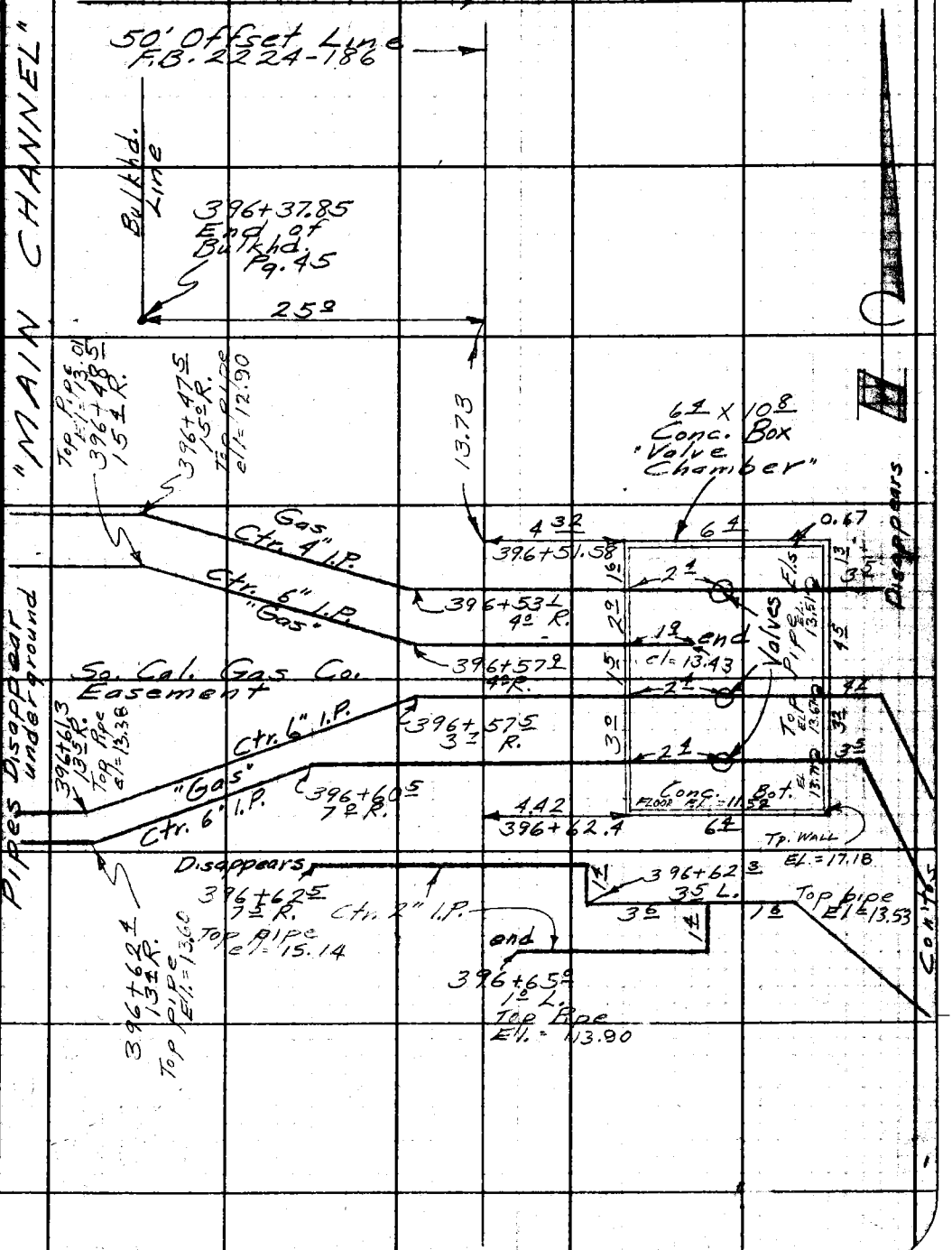
Notes Ck'd by	Survey of Marina Del Rey	F.B. 2658 Pg. 97
Map No.	JN 0739.01 Tape Std °F	7-11-61
Office Work	Surveyed by English	Survey requested
Checked	Notes Ed. Date 7-11-61	by: Hap Galipher
Date	Indexed JL 24 '61 M. E. Ott	"L.A. Co. Inspec."

Location of Gas Pipes in Parcel #62



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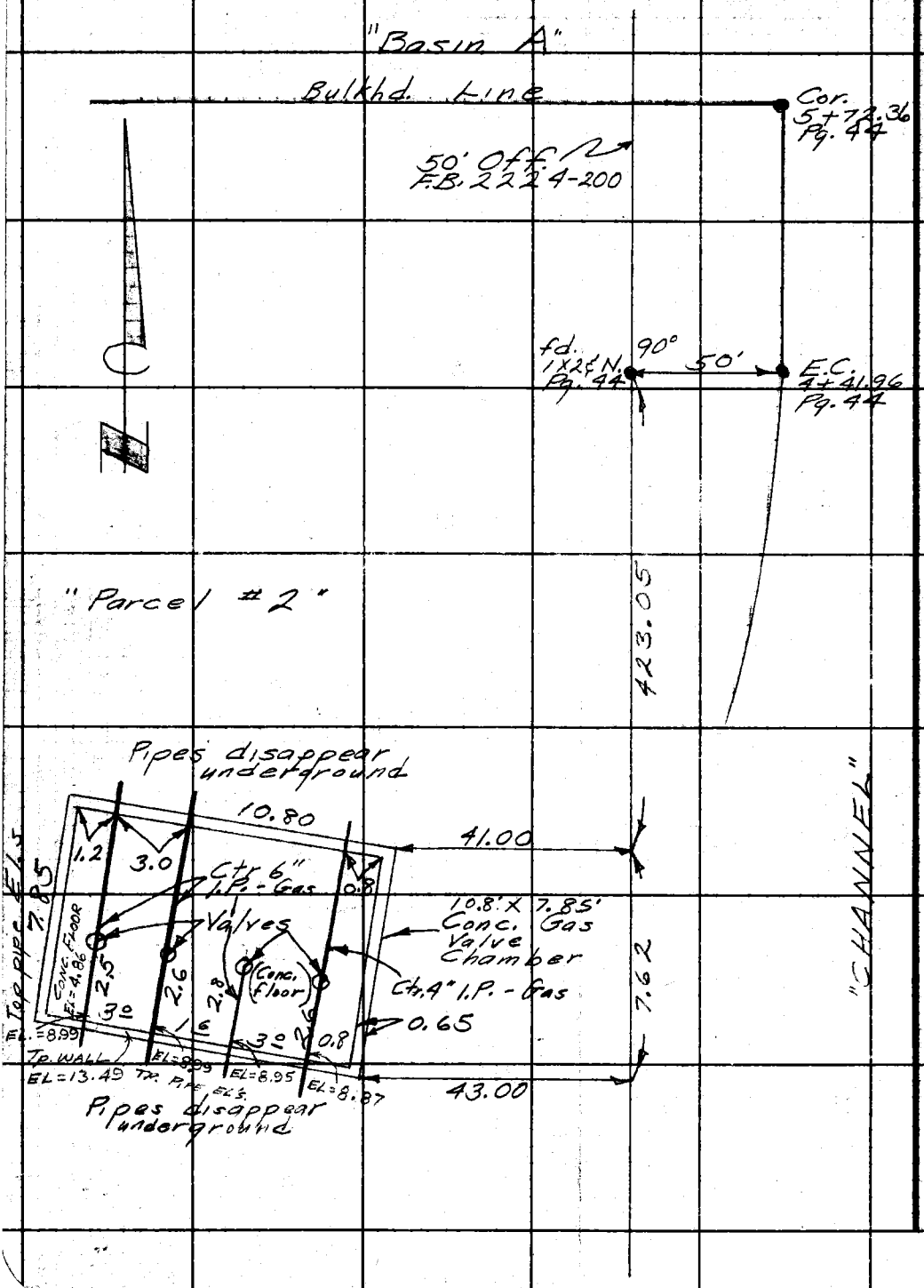
76F3098 S&E #247 11-58

F. B. 2658 PG. 98

Location of Gas Pipes in Parcel # 2 at Bulkhd



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Profile No.	Notes Red.	Plotted	Job No. 0739.01 Division No. 11	F. B. 2158 Pg. 99
	Date	Date	Survey of Marina Del Rey	
X-Sec. No.	Notes Chkd.	Checked	Survey by English Notes Landa Date Aug. 60	
	Date	Date	Map No. Indexed [illegible] E OFF Date DEC 5 [illegible]	

MARINA DEL REY

J.N. ~~8910.13~~ 0739.01

BULKHEADS SURVEY

ELEV., Offset Line & X-Sections

Aug. 25, 1960

English
Landa
Foulger
Dupuis
Clifford

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

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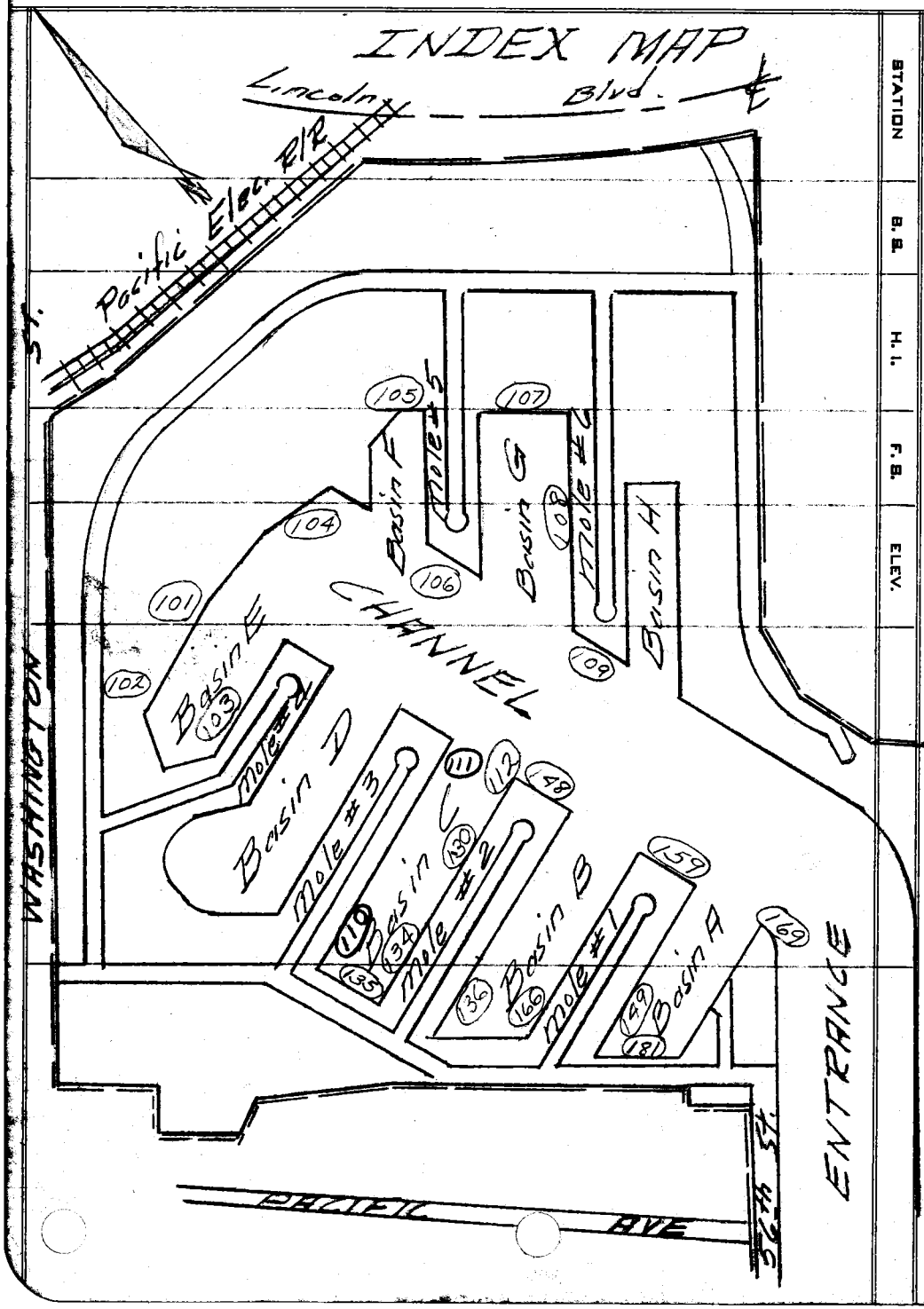
76L298 S & E #307 9-54

F. B. 2658 Pg. 100 | Job No. 8910.13 | Division No. 11 | Notes Red. | Plotted | Profile

Survey of Marina Del Rey | Date | Date | No.

Survey by English | Notes E. Landa | Notes Chkd. | Checked | X-Sec.

Indexed | Date | Date | Date | No.



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

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761-288 S & E #307 9-54

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76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.	Bulkheads - 30' Offset - See Pgs 33 & 34
B.M. M.D.R. #55	12 09	21 42		9 33	M.D.R. #55, el. = 9.33 (office) (M.L.L.W.) F.B. 2649
T.P.	10 66	20 38	11 70	9 72	
T.P.	1 99	14 81	7 56	12 82	
245+00			8 91	5 90	
244 + 09.98 / 244 + 07.88			9 09	5 72	Back & Ahead = Angle Pt. pg. 33
244+00			9 00	5 81	
243+00	3 14	8 52	9 43	5 38	T.P.
242+39.20 / 242 +39.20	2 94	7 89	3 57	4 95	Back & Ahead = Angle Pt. pg. 34
242+00			3 49	4 40	
241+00			4 31	3 58	
240+00			4 37	3 52	
239+00	3 81	7 07	4 63	3 26	T.P.
238 ~			4 86	2 21	
237 ~			4 48	2 59	
236 ~			4 61	2 46	
235 ~	6 06	8 34	4 79	2 28	T.P.
234 ~			5 13	3 21	
233 ~	4 23	8 33	4 24	4 10	
∡ Pt.	5 71	9 35	4 69	3 64	232+28.20 = Ahead, 231+99.05 = Back, Pg. 34
231 ~			4 83	4 52	
230 ~		Con't. Pg. 103	4 18	5 17	

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 8797 Division No. 11 F.B. 2658 Pg. 101
Date ____ Date ____ Survey of Marina Bulkheads
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by English Notes Ed. Date 8-23-60
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.	Bulkheads - 30' Off.
245+00	5 68	11 58		5 90	pg. 101
246+00			4 84	6 74	
247+00			5 27	6 31	
248+00	5 78	12 92	4 44	7 14	
249+00			5 55	7 37	
250+00			5 73	7 19	
T.P. 251+00			5 15	7 77	For cont. see Pg. ?
~~T.B.M.~~	~~0 82~~	~~10 79~~		~~9.97~~	~~T. B.M. oxford Drain Basin~~ Constr. Bench El. = 9.97
~~T.P.~~	~~5 75~~	~~9 29~~	~~7 25~~	~~3 54~~	
~~231+00~~			~~4 83~~	~~4 46~~	~~See Bot. pg. 101~~
~~T.P. 230+00~~			~~4 28~~	~~5 01~~	
~~℄ Pt.~~	~~5 71~~	~~10 65~~	~~4 35~~	~~4 94~~	229+84.56=ahead, 229+24.56=back
			0 70	9 95	T. B.M. oxford drain El = 9.97

Profile
Plotted ____ No. ____
Date ____ X-Sec.
Checked ____ No. ____
Date ____

Job No. 8910.13 Division No. 11 Notes Red ____
Date ____
Notes Chkd ____
Date ____

F.B. 2658 Pg. 102
Survey of Marina Bulkheads
Survey by English Notes Ed.
Indexed N. E. Old Date ____

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.	BULKHEADS – 30' OFFSET – SEE Pgs. 33 & 34
∡ Pt.		9 35 Con't. from Pg. 101	4 29	5 06	229 + 24.56 BACK, 229 + 84.56 AHEAD, Pg. 35
229 ~			4 46	4 89	
228 ~			4 96	4 39	
T.P. 227 ~	4 61	8 99	4 97	4 38	
226 ~			5 00	3 99	
225 –			5 34	3 65	
∡ Pt.			5 21	3 78	224 + 15.14 BACK, 224 + 33.98 AHEAD, Pg. 35
224 ~ T.P.	4 10	8 27	4 82	4 17	
223 ~			5 70	2 57	
222 ~			5 85	2 42	
221 T.P. ~	5 28	8 80	4 75	3 52	
T.P.	4 83	8 53	5 10	3 70	
242+00			4 09	4 44	Pg. 101
fd. B.M. M.D.R. #54	6 62	19 40		12 78	B.M. M.D.R. #54, el. = 12.78, F.B. 2649-?
T.P.	5 22	17 67	6 95	12 45	1 x 2
T.B.M.			2 50	15 17	North end of East 50' offset line,
T.P.	0 51	17 25	0 93	16 74	(By Macco construction yard gate), Std. C.E. Br. Cp. mon., flush
∡ Pt.			4 99	12 26	261 + 59.05 = Back, 262 + 06.89 = Ahead, Pg. 37

Profile Notes Red ____ Plotted ____ Job No. 0739 61 Division No. 11 F.B. 2658 Pg. 103
No. ____ Date ____ Date ____ Survey of MARINA BULKHEADS
X-Sec. Notes Chkd. ____ Checked ____ Survey by ENGLISH Notes FOLLOWER Date 9-1-60
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.	Bulkheads - 30' off. Line
T.P. 261 ~	3 50	17 25 / 17.54	3 21	14 04	
260 ~			4 30	13 24	
259 ~			5 04	12 50	
T.P. 258 ~	4 04	15 80	5 78	11 76	
257 ~			4 81	10 99	
256 ~			5 12	10 68	
T.P. 255 ~	4 07	14 37	5 50	10 30	
254 ~			4 43	9 94	
253 ~			5 35	9 02	
252 ~	3 97	11 91	6 43	7 94	
∡ Pt.			4 42	7 49	251 + 68 55 AHEAD, 251 + 61 79 BACK, pg. 33
251 ~			4 18	7 73	STA. 251 EL. = 7.77, pg. 102
∡ Pt.	2 55	14 81		12 26	261 + 59.05 = Back, 262 + 06.89 = Ahead, pg. 103
263 ~			4 98	9 83	
264 ~			5 08	9 73	
T.P. 265 ~	4 32	13 33	5 80	9 01	
266 ~			4 68	8 65	
267 BACK ~			5 03	8 30	
∡ Pt.			5 09	8 24	267 + 39 47 BACK, 266 + 35 55 AHEAD, Pg. 37
267 AHEAD			4 84	8 49	

F. B. 2658 Pg. 104 Job No. 0739.01 Division No. 11 Notes Red. Date Plotted Date No. Profile
Survey of Marina Bulkheads Notes Ed Date Checked Date No. X-Sec.
Survey by English
Indexed B. E. OTT

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.	Bulkheads - 30' Offset Line	
T.P. 268 ~	598	13 33 / 15 00	431	902	1 x 2 s	
269 ~			547	953	"	
270 ~			493	1007	"	
T.P. 271 ~	580	1685	395	1105	"	
272 ~			509	1176	"	
273 ~			450	1235	"	
✗ Pt.			369	1316	273+98.68 BACK, 274+22.24 AHEAD, Pg. 38	
B.M. M.O.R.# 53	443	1985		1542	M.O.R.# 15.42, el = 15.42, F.B. 2649	
T.P.	459	1902	542	1443		
T.P.	475	1825	552	1350		
✗ Pt.	466	1781	510	1315	273+98.68 BACK, 274+22.07 AHEAD, Pg. 38	
275 ~			437	1344		
276 ~			413	1368		
277 ~			415	1366		
✗ Pt.			446	1335	277+92.61 BACK, 278+18.77 AHEAD, Pg 38	
278 ~ T.P.	377	1625	533	1248		
✗ Pt.			454	1171	279+56.79 BACK, 280+16.79 AHEAD, Pg 39	
281 ~			431	1194		
282 ~			436	1189		
283 ~			506	1119		

Profile Notes Red. _____ Plotted _____ Job No. 0739.01 Division No. 11 F.B. 2658 Pg. 105
No. _____ Date _____ Date _____ Survey of MARINA BULKHEADS
X-Sec. Notes Chkd. _____ Checked _____ Survey by ENGLISH Notes FOULGER Date 9-7-60
No. _____ Date _____ Date _____ Map No. _____ Indexed _____ Date _____

76L293 S & E #307 9-54

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16.25

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STATION	B. S.	H. I.	F. S.	ELEV.	Bulkheads 30' Offset Line
284 ~	3.22	14.56	4.91	11.34	
285 ~			3.70	10.86	
286 ~			4.49	10.07	
287 ~			4.55	10.01	
288 ~			5.27	9.29	
289 ~	3.90	12.16	6.30	8.26	
290 ~			4.21	7.95	
291 ~			5.08	7.08	
292 ~			4.85	7.31	
4 pt.	2.07	9.03	5.20	6.96	292+76.53 Back, 292+41.89 Ahead, Pg 39
293 ~			2.22	6.81	
294 ~			4.70	4.33	
295 ~			5.56	3.47	
296 ~	5.71	9.78	4.96	4.07	
297 ~			4.90	4.88	
4 pt			4.78	5.00	297+19.93 Back, 296+16.01 Ahead, Pg 39
297 ~			4.76	5.02	
298 ~			4.65	5.13	
299 ~	4.44	9.27	4.95	4.83	
300 ~			4.23	5.04	
301 ~			4.82	4.45	

F. S. 2658 Pg. 106 Job No. 073901 Division No. 11 Notes Red. Plotted Profile
Survey of Marina Bulkheads Date Date No.
Survey by Engrish Notes Ed. Notes Chkd. Checked X-Sec.
Indexed Date Date Date No.

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.	Bulkheads - 30' Offset Line	
		9 27				
302 ~			4 32	4 95		
303 ~	5 86	10 92	4 21	5 06		
304 ~			5 79	5 13		
305 ~			4 90	6 02		
306 ~			4 85	6 07		
307 ~	5 67	11 98	4 61	6 31		
308 ~			5 11	6 87		
309 ~			5 04	6 94		
310 ~			3 54	8 44		
311 ~			3 62	8 36		
4 pt			3 38	8 60	311 + 14.77 Back , 311+74.77 Ahead Pg 40	
(BM M.D.R. #51-A)	1.84	12 98		11.14	B.M. M.D.R. #51-A, El. 11.14, F.B. 2649 -	
T.P.	5 01	11 30	6 69	6 29		
T.P.	6 06	12 30	5 06	6 24		
4 pt			3 69	8 61	311 + [illegible] 77 Back , 311 + 74.77 Ahead Pg 40	
312 ~			4.02	8 28		
313 ~			4 24	8 06		
314 ~			4 47	7 83		
315 ~			4 66	7 64		

Profile Notes Red ____ Plotted ____ Job No. 0739.01 Division No. 11 F.B. 2658 Pg. 107
No. ____ Date ____ Date ____ Survey of Marina Bulkheads
X-Sec. Notes Chkd. ____ Checked ____ Survey by E. English Notes Shoemaker Date 9-20-60
No. ____ Date ____ Date ____ Map No. ____ Indexed by E. O. [illegible] Date ____

76L298 S & E #307 9-54

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F. B. 2658 Pg. 108 | Job No. 0739.01 | Division No. 11 | Notes Red. | Plotted | No. | Profile
Survey of Marina Bulkhead | Date | Date | No. | X-Sec.
Survey by E. English | Notes E. Shoemaker | Notes Chkd. | Checked
Indexed H. E. Ott | Date | Date | Date

STATION	B. S.	H. I.	F. S.	ELEV.	Bulkhead — 30' Offset Line
		12 30			
316 ~			5 17	7 13	
317 ~ T.P.	4 47	11 51	5 26	7 04	
⊥ Pt.			4 47	7 04	317+14.77 = Back, 317+74.77 = Ahead, pg. 40
318 ~			4 71	6 80	
319 ~			5 03	6 48	
320 ~			5 00	6 51	
321 ~			5 07	6 44	
322 ~ T.P.	3 96	8 96	6 51	5 00	
323 ~			4 62	4 34	
324 ~			4 47	4 49	
325 ~			4 49	4 47	
326 ~ T.P.	5 04	10 32	3 68	5 28	
327 ~			4 74	5 58	
328 ~			4 93	5 39	
329 ~			4 82	5 50	
330 ~			4 61	5 71	
331 ~ T.P.	4 58	10 38	4 52	5 8[illegible]	
332 ~			4 66	5 72	
333 ~			4 72	5 66	
334 ~			5 00	5 38	

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.	BULKHEAD - 30' OFFSET LINE	
335 ~		10 38	4 88	5 50		
∡ PI. T.P.	4 80	9 71	5 47	4 91	335 + 85.30 BACK,	335 + 50.66 AHEAD, Pg. 40
336 ~			5 68	4 03		
337 ~			5 35	4 36		
T.P. 337 + 89.68			5 05	4 66	℄ Prod. Mole #6, Pg. 40	
M.D.R BM-67	10.05	17.71		7.66	MDR BM-67 EL 7.66	F.B. 2649-?
T.P.	3.59	19.69	1.61	16 10	T.P.	
TBM-1	4.22	15.21	8.70	10.99	T.B.M. 1 Set 1x2 in bank between Mole 2 & Mole 3	
TP	7.66	17.44	5.43	9.78	T.P.	
TBM 2	1.72	17.33	1 83	15.61	T.B.M. 2 Fnd 1x2 & N Flush 75' Offset line Mole 3 W. End. 129+40 34	
TP	5.17	14.89	7.61	9.72	T.P.	
T.P.	5.62	20.24	0 27	14.62	T.P.	
	3.31	17 87	5.68	14.56	T.P.	
M.D.R. BM 67			10.22	7.65	M.D.R BM 67 EL 7.66	F.B. 2649 ?

Profile Notes Red. ____ Plotted ____ Job No. 0739.01 Division No. 11 F. B. 2658 Pg. 109
No. ____ Date ____ Date ____ Survey of MARINA BULKHEADS
X-Sec. Notes Chkd. ____ Checked ____ Survey by ENGLISH Notes E SHOEMAKER Date 9-21-60
No. ____ Date ____ Date ____ Map No. ____ Index No. E. OFF Date ____

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.		
TBM #2:					TBM #2 Elev = 15.61	Per FB2658-109
129+40 34	5.03	20.64		15.61	Fd 1x2 & N flush on 75' offset line = 129+40 34	
128+35 38			5.25	15.39	1x2 End 75' offset on S	Bulkhead, Mole 3.
129+00			5.19	15.45	1x2 75' offset	
130+00			4.82	15.82	1x2 " "	
131+00			4.89	15.75	1x2 " "	
132+00			5.10	15.54	1x2 " "	
133+00	4.48	19.97	5.15	15.49	1x2 " "	
134+00			4.90	15.07	1x2 " "	
135+00			4.75	15.22	1x2 " "	
136+00			4.88	15.09	1x2 " "	
137+00	3.15	18.26	4.86	15.11	1x2 " "	
138+00			3.41	14.85	1x2 " "	
139+00			3.64	14.62	1x2 " "	
140+00			4.07	14.19	1x2 " "	
141+00	3.91	17.72	4.45	13.81	1x2 " "	
142+00			4.28	13.44	1x2 " "	
143+00			4.47	13.25	1x2 " "	
144+00			4.90	12.82	1x2 " "	
145+00	4.34	16.79	5.27	12.45	1x2 " "	
146+00			4.74	12.05	2x2 " "	
147+00			4.98	11.81	2x2 " "	

F. B. 2658 Pg. 110

Job No. 573901 Division No. ____ Notes Red. ____ Plotted ____ Profile

Survey of Marina Bulkheads Date 10-4-60 Date ____ No. ____

Survey by R.C. Dale Notes R.C.D. Notes Chkd. ____ Checked ____ X-Sec.

Indexed H. E. Ott Date ____ Date ____ No. ____

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.		
		16.79				
148+00			5.18	11.61	1x2 75' offset Line	
149+00	4.60	15.96	5.43	11.36	1x2 " "	
149+85 38			4.89	11.07	1x2 " "	
150+00			4.98	10.98	1x2 " "	
151+00			5.41	10.55	1x2 " "	
151+35 38			6.24	9.72	1x2 Intersection 75' off. & 50' offset end Mole 3	
TBM #3	5.37	16.17	5.16	10.80	1x2 ℄ Mole 3. 150.00 from East Bulkhead	
T.P.	5.73	17.33	4.57	11.60		
T.P.	5.43	18.25	4.51	12.82		
T.P.	4.92	19.11	4.06	14.19		
T.P.	4.97	20.06	4.02	15.09		
T.P.	5.35	20.89	4.52	15.54		
TBM #2					TBM #2 Elev = 15.61 Per FB 2685-109	
129+40 34			5.29	15.60	Fd 1x2 Flush on 75' offset Line	
T.B.M. 1	8.32	19.31		10.99	T.B.M.-1 El. 10.99 F.B. 2658-109	
					1x2 in bank between Mole #2 & Mole #3	
TP	4.47	18.85	4.93	14.38	TP 1x2	
"	3.63	17.70	4.78	14.07	" "	
"	5.49	19.37	3.82	13.88	" "	
"	4.91	17.88	6.40	12.97	" "	

Profile Notes Red ____ Plotted ____ Job No. 0739.01 Division No. 11 F.B. 2658 Pg. 111
No. ____ Date ____ Date ____ Survey of Marina Bulkheads
X-Sec. Notes Chkd. ____ Checked ____ Survey by R.C. Dale Notes R.C.D. Date 10-4-60
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

76L-298 CE 307 11-58

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F.B. 2658 Pg. 112 Job No. 07390 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of Marina Bulkhd. Date ____ Date ____ No. ____ X-Sec. ____
Survey by English Notes Shoemaker Notes Chkd. ____ Checked ____ No. ____
Indexed H. E. Ott Date ____ Date ____ Date ____

STATION	B.S.	H.I.	F.S.	ELEV		
		17 88				
TP	5 45	17 24	6 09	11.79		
TBM #4			6 32	10 92	T.B.M. #4 El 10.92	FB 2658-112
					Top of 2x2 Int 50' Offset Line W. &	
					& Mole # 2 Pg 42	
(Pg 42)						
N. Side Mole #2 — Profile 75' Offset Line & Cross Sect. Bulkhead Line						
T.B.M. #4	5.06	15 .98		10.92	T.B.M. #4 El. 10.92	
102+55 38			8 8	7 2	15 R	
"			8.5	7.5	Bulkhd. Cor. pg. 42 & = 0+00 per old X-Sec.	
"			8.3	7.7	15 L	FB. 2622-195
103+30.38			5 03	10.95	75' Offset line - pg. 42	
"			8 2	7.8	Bulkhd. line	
"			8.8	7.2	15 R.	
"			8.4	7.6	15 L.	
104+00			4.85	11.13	75' Offset line	
			9 0	7 0	Bulkhd Line	
			10.1	5.9	15 R	
			8.6	7 4	15 L	
105+00			4.72	11.26	75' Offset line	
			8 8	7.2	Bulkhd Line	
		Cont	on	Pg 130		

Notes Ck'd by	Survey of Marina Bulkheads
Map No.	JN 0739.01 Tape, Std °F
Office Work	Surveyed by R.C. Dale
Checked	Notes R.C.D. Date 9-28-60
Date	Indexed H. E. OTT

F. B. 2658 PG. 113

MOLE 3

PROFILE

CROSS-SECTION

JN 0739.01

PARTY

R.C. Dale
C.H. Morrison
R.H. Gilroy
B.A. Peavy
C.A. Pyle

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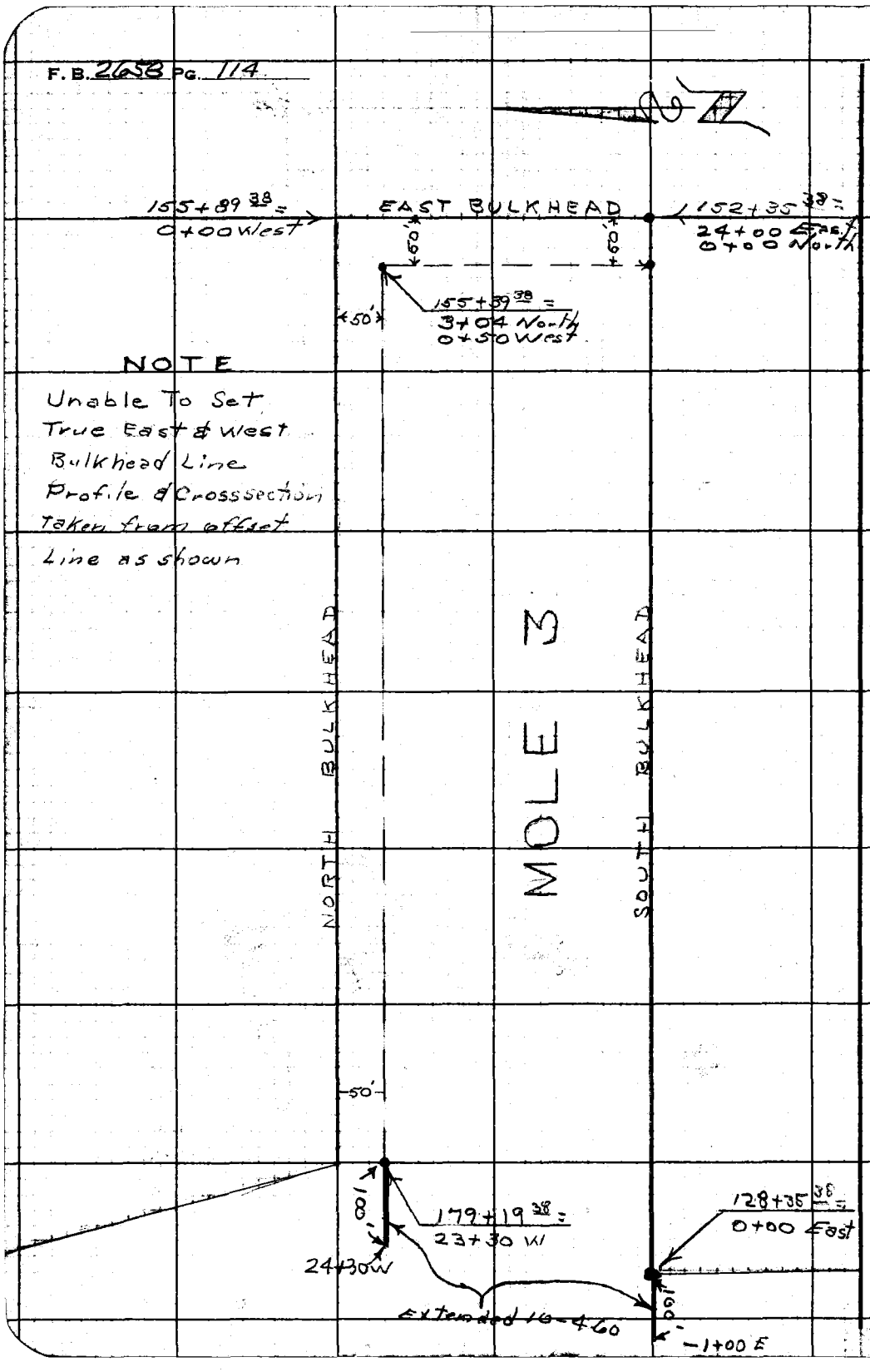
763095 CE #247—7-53

F.B. 2658 PG. 114



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76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.		
MDR BM #66	10 11	20 58		10 47	BM MDR #66 Elev = 10.47 Fd std CE BM set in conc. Plant test Area, SE Cor. 5' N'ly along fence from Entrance gate up 2".	
T.P.	5.00	25 35	0 23	20.35		
T.P.	2.20	20 66	6.89	18 46		
T.P.	2.11	17 52	5.25	15 41		
128+35.38 = 0+00 East	8.73	16.94	9.31	8.21	℄ SW Cor. South Blk Mole #3	
14' L			4.8	12.14	Bk.	
26' L			5.6	11.34	B.K. Bot Dike	
4' R			10.9	6.04	Toe fill	
30' R			11.8	5.14		
1+00 E			9 64	7.30	℄ Blk 1x2	
12 L			9.4	7.54	Bot Brk.	
19 L			6.9	10.04	Top Brk	
37 L			5.7	11.24	Bot Dike	
30 R			10.9	6 04		
2+00 E			10.17	6.77	℄ 1x2	
8' L			10.1	6 84	Bot Brk	
19' L			4 5	12 44	Top Brk	
36 L			4 8	12 14	Toe Dike	
18 R			10.8	6.14	Top Brk.	
21 R			12.4	4.54	Bot Brk.	
30 R			12.9	4.04		

Profile No. ____ Notes Red ____ Plotted ____ Job No. 07390 Division No. ____
X-Sec. No. ____ Date ____ Date ____ Survey of Marina Bulkheads
Notes Chkd. ____ Checked ____ Survey by R C Dale Notes R C D Date 9-29-60
Date ____ Date ____ Map No. ____ Indexed E. E. Ott Date ____

F.B. 2658 Pg. 115

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.		
		16 94				
3+00 E			10.25	6.69	℄ 1x2 Top Brk	
14 L			10.2	6 74	Bot Brk	
24 L			4.2	12 74	Top Brk	
38 L			3.5	13.44	Toe Dike	
6 R			12.1	4.84	Bot Brk.	
30 R			12.9	4.04		
T.P.	10 80	16.89	10 85	6.09		
4+00 E			12.70	4.19		
8 L			12 4	4.5	Bot Brk	
14 L			10 1	6.8	Brk	
26 L			2.7	14.2	Top Brk	
41 L			3.0	13.9	Toe Dike	
30 R			12 7	4.2		
5+00 E			12.80	4.09		
14 L			12.4	4.5	Bot Brk	
31 L			3.7	13.2	Top Brk	
44 L			3.1	13.8	Bot Dike	
30 R			12.7	4.2		
6+00 E			12 40	4.49		
14 L			12.4	4.5	Bot Brk.	

F.B. 2658 PG. 116

Job No. 0239 01 Division No. ____ Notes Red ____ Plotted ____ Profile ____

Survey of Marina Bulkheads Date ____ Date ____ No. ____

Survey by R.C. Dale Notes R.C.D. Notes Chkd. ____ Checked ____ X-Sec. ____

Indexed H.E. OB Date ____ Date ____ Date ____ No. ____

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.		
		16.89				
30 L			3.5	13.4	Top Brk	
44 L			3.4	13.5	Toe Dike	
30 R			12.6	4.3		
7+00 E			1235	4.54	℄ 1x2	
17 L			12.0	4.9	Bot Brk	
28 L			5.0	11.9	Top Brk	
44 L			4.4	12.5	Toe Dike	
30 R			12.3	4.6		
8+00 E			11.80	5.09	℄ 1x2	
14 L			11.2	5.7	Bot Brk	
30 L			3.0	13.9	Top Brk	
42 L			3.0	13.9	Toe Dike	
30 R			11.8	5.1		
9+00 E	11.52	17.55	1086	6.03	℄ 1x2	
11 L			10.8	6.8	Bot Brk	
24 L			4.0	13.6	Top Brk	
38 L			3.6	14.0	Toe Dike	
30 R			11.4	6.2		
10+00 E			11.80	5.75	℄ 1x2	
14 L			10.4	7.2	Bot Brk	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 273901 Division No. ____
X-Sec. No. ____ Date ____ Date ____ Survey of Marina Bulkheads
Notes Chkd. ____ Checked ____ Survey by R.C. Dek Notes RCD Date 9-30-60
Date ____ Date ____ Map No. ____ Indexed H. E. CTY Date ____

F.B. 2658 Pg. 117

76L-298 CE 307 11-58

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STATION	B. S.	H. I.	F. S.	ELEV		
		17.55				
24 L			3.3	14.3	Top Brk	
35 L			3.6	14.0	Toe Dike	
30 R			11 8	5.8		
11+00 E			11 45	6.10	℄ 1x2	
18 L			10.2	7.4	Toe Dike	
27 L			4.1	13.5	Top Dike	
37 L			3.9	13.7		
30 R			11 8	5.8		
12+00 E			11 60	5.90	1x2 ℄	
19 L			10 7	6.9	Toe Dike	
31 L			2.6	15.0	Top Dike	
30 R			11.5	6.1		
13+00 E			11.47	6.08	℄ 1x2	
16 L			10.9	6.7	Bot Dike	
29 L			2.2	15.4	Top Dike	
30 R			11.8	5.8		
14+00 E	11 61	17.48	11.68	5.87	℄ 1x2	
16 L			11.0	6.5	Toe Dike	
31 L			1.3	16.2	Top Dike	
30 R.			11.4	6.1		

F. B. 2658 Pg. 118
Survey of Marina Bulkheads
Survey by R.C. Dale Notes R.C.D.
Indexed H. E. OTT Date
Job No. 0739.01 Division No.
Notes Red Date
Notes Chkd. Date
Plotted Date
Checked Date
Profile No. X-Sec. No.

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.		
		17 48				
15+00E			11.42	6.06	℄ 1x2	
17 L			10 8	6.7	Toe Dike	
29 L			3.3	14.2	Top Dike	
30 R			11.4	6.1		
16+00E			11.30	6.18		
19 L			10 7	6.8	Toe Dike	
31 L			3.9	13.6	Top Dike	
30 R			11.3	6.2		
17+00E			11.43	6.05	℄ 1x2	
16 L			10.6	6.9	Toe Dike	
30 L			3.3	14.2	Top Dike	
30 R			11.3	6.2		
18+00E			10.26	7.22	℄ 1x2	
18 L			10 00	7.5	Toe Dike	
31 L			1.7	15.8	Top Dike	
30 R			10.2	7.3		
19+00E	9 57	16 05	11 00	6.48	℄ 1x2	
22 L			8.8	7.3	Toe Dike	
33 L			2 1	14.0	Top Dike	
30 R			9.5	6.6	Flat	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 073901 Division No. ____
X-Sec. No. ____ Date ____ Date ____ Survey of Marina Bulkheads
Notes Chkd. ____ Checked ____ Survey by R.C. Dale Notes RCD Date 9-30-60
Date ____ Date ____ Map No. ____ Indexed U. E. OTT Date ____

F.B. 2658 Pg. 119

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.		
		16.05				
20+00 E			9.39	6.66	℄ 1x2	
21 L			8.7	7.4	Toe Dike	
31 L			1.6	14.5	Top Dike	
30 R			9.2	6.9	Flat	
21+00 E			9.35	6.70	℄ 1x2	
22 L			8.5	7.6	Toe Dike	
33 L			1.7	14.4	Top Dike	
30 R			9.5	6.6	Flat	
22+00 E			8.26	7.79	℄ 1x2	
25 L			8.1	8.0	Toe Dike	
35 L			1.9	14.2	Top Dike	
30 R			8.8	7.3	Flat	
23+00 E			8.80	7.25	℄ 1x2	
22 L			8.1	8.0	Toe Dike	
32 L			2.8	13.3	Top Dike	
30 R			8.4	7.7		
23+50 E			8.27	7.78	℄ 1x2 Intersection Bulkhead & 50' offset	
23+81 E			8.0	8.1	℄	
24 L			8.0	8.1	Intersection Toe Dike E & N	
35 L			3.6	12.5	Top Dike	

F.B. 2658 Pg. 120 Job No. 67390 Division No. Notes Red Plotted Profile
Survey of Marina Bulkheads Date Date No. X-Sec.
Survey by R.C. Dale Notes R.C.D. Notes Chkd. Checked
Indexed H.E. Ott Date Date Date No.

76L-298 CE 307 11-58

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	
		16.05			Note - Elev. marked Assumed,
24+00E= 0+00N			7.92	8.13	are by eye. Unable to take shots
30 R			9.0	8.1	due to deep mud & water.
0+00N			7.92	8.13	℄ Bulkhead SE Cor.
30 R			9.8	6.3	
1+00N	6.10	16.58	5.57	10.48	℄ 50' offset 1x2
16 R			5.9	10.7	Toe Dike
23 R			2.8	13.8	Top Dike
35 R			7.5	9.1	Toe Dike
80 R			8.8	7.8	Flat (Assumed)
2+00N			6.30	10.28	℄ 50' offset 1x2
10 R			6.2	10.4	Toe
20 R			2.9	13.8	Top Dike
36 R			8.1	8.5	Toe Dike
80 R			9.1	7.5	Flat (Assumed)
3+04 N= 0+50 W			5.81	10.77	Intersection 50' offset Lines
13 R			5.4	11.2	Toe Dike
22 R			3.8	12.8	Top Dike
29 R			8.3	8.3	Toe Dike
80 R			8.9	7.7	Flat (Assumed)
3+14N			5.7	10.9	Top Dike ℄ 50' off

Profile Notes Red. ____ Plotted ____ Job No. 073901 Division No. ____
No. ____ Date ____ Date ____ Survey of Marina Bulkheads
X-Sec. Notes Chkd. ____ Checked ____ Survey by R.C. Dale Notes R.C.D. Date 9-30-60
No. ____ Date ____ Date ____ Map No. ____ Indexed E OH Date ____

F.B. R 658 PG. 121

76L-298 CE 307 11-58

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV	
		16 58			
3+19N			3.5	13.1	℄ Top Dike 50' off
19 R			3.4	13.2	Intersection Top of Dikes
3+29 N			8.8	7.8	℄ Toe Dike 50' off Set
27 R			9.0	7.6	Intersection Toe Dikes
3+54 N = 0+50 W			8.85	7.73	Int. 50' offset & N Bulkhead 1x2
0+00 W			9.9	6.7	Int. Bulkheads (Not Set) Assumed
0+50 W			8.85	7.73	1x2 ℄ offset Line
30 R			8.3	8.3	
1+00 W			5.84	10.74	℄ 50' offset 1x2
9 R			5.6	11.0	Toe Dike
13 R			3.9	12.7	Top Dike
22 R			8.4	8.2	Toe Dike
80 R			8.1	8.5	Flat (Assumed)
2+00 W			5.62	10.96	℄ 50' offset 1x2
14 R			5.1	11.5	Toe Dike
17 R			3.8	12.8	Top Dike
25 R			8.3	8.3	Toe Dike
80 R			8.0	8.6	Flat (Assumed)
3+00 W			5.20	11.38	℄ 50' offset 1x2
17			5.4	11.2	Toe Dike

F.B. 2658 Pg. 122 Job No. 0739.01 Division No. Notes Red Plotted Profile
Survey of Marina Bulkheads Date Date No. X-Sec.
Survey by R.C. Dale Notes R.C.D. Notes Chkd. Checked
Indexed H.E. Ott Date Date Date No.

76L-298 CE 307 11-58

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700 LOS ANGELES COUNTY ENGINEERING BLDG

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
		16 58				
19 R			4 7	11.9	Top D	
26 R			8 0	8.6	Toe Dike	
80 R			7.7	8.9	Flat (Assumed)	
4+00W	6 72	18.27	5 03	11.55	℄ 50' offset 1x2	
13 R			6 5	11.8	Toe Dike	
17 R			5.2	13.1	Top Dike	
23 R			9.6	8.7	Toe Dike	
80 R			10 3	8.0	Flat (Assumed)	
5+00W			6.65	11.62	℄ 50' offset	
10 R			6.4	11.9	Toe Dike	
17 R			5.5	12.8	Top Dike	
29 R			9.6	8.7	Toe Dike	
80 R			10.3	8.0	Flat (Assumed)	
6+00W			6.46	11.81	℄	
6 R			6.3	12.0	Toe Dike	
12 R			4.6	13.7	Top Dike	
20 R			9.7	8.6	Toe Dike	
80R			9.7	8.6	Flat (Assumed)	
7+00 W			6.02	12.25	℄ 50' offset	
15 R			5.4	12.9	Toe Dike	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 07390 Division No. ____ F.B. 2658 Pg. 123
X-Sec. No. ____ Date ____ Date ____ Survey of Marina Bulkheads
Notes Chkd. ____ Checked ____ Survey by RC Dale Notes RCD Date 9-30-60
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

76L-298 CE 307 11-58

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
		18 27				
22 R			3.4	14.9	Top Dike	
30 R			9 4	8.9	Toe Dike	
80 R			9.6	8.7	Flat (Assumed)	
8+00 W			5.65	12.62	℄ 50' offset 1x2	
18 R			5.3	13.0	Toe Dike	
24 R			4.0	14.3	Top Dike	
29 R			8 7	9.6	Toe Dike	
80 R			10.0	8.3	Flat (Assumed)	
9+00 W			5.40	12.87	℄ 50' offset 1x2	
13 R			5.0	13.3	Toe Dike	
18 R			4.2	14.1	Top Dike	
30 R			9 3	9.0	Toe Dike	
10+00 W	532	18.59	5.00	13.27	Flat	
13 R			5.1	13.5	Toe Dike.	
18 R			4.3	14.3	Top Dike	
29 R			9.4	9.2	Toe Dike	
80 R			10.9	7 7	(Assumed)	
11+00 W			10 00	8.59	℄ 50' offset	
13 R			4.7	13.9	Toe Dike	
17 R			4.2	14.4	Top Dike	

F.B. 2658 PG. 124
Job No. 0739.01 Division No. Notes Red Plotted Profile
Survey of Marina Bulkheads Date Date No.
Survey by R.C. Dale Notes R.C.D. Notes Chkd. Checked X-Sec.
Indexed B.E. Oil Date Date Date No.

76L-298 CE 307 11-58

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700 LOS ANGELES COUNTY ENGINEERING BLDG

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
		18.59				
23 R			5.4	13.2	Brk	
34 R			10.2	8.4	Toe Dike	
80 R			10.2	8.4	Flat-(Assumed)	
12+00W			4.66	13.93	℄ 50' offset 1x2	
14 R			4.4	14.2	Toe Dike	
21 R			4.4	14.2	Top Dike	
30 R			9.4	9.2	Toe Dike	
36 R			10.4	8.2	Brk.	
80 R			10.4	8.2	Flat (Assumed)	
13+00W			4.65	13.94	℄ 50' offset 1x2	
20 R			4.5	14.1	Top Dike	
33 R			9.5	9.1	Toe Dike	
80 R			10.1	8.5	Flat (Assumed)	
14+00W			4.03	14.56	℄ 50' offset	
23 R			4.8	13.8	Top Dike	
34 R			9.2	9.4	Toe Dike	
80 R			10.0	8.6	Flat (Assumed)	
15+00	4.99	19.65	3.93	14.66	℄ 50' offset 1x2	
10 R			5.7	14.0	Top Dike	
24 R			7.4	12.3	Brk.	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 07390 Division No. ____ F.B. 2658 Pg. 125
X-Sec. No. ____ Date ____ Date ____ Survey of Marina Bulkheads
Notes Chkd. ____ Checked ____ Survey by R.C. Dale Notes RCD Date 9-30-60
Date ____ Date ____ Map No. ____ Indexed H.F. OTT Date ____

76L-298 CE 307 11-58

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F.B. 2658 Pg. 124 Job No. 0739-01 Division No. Notes Red Plotted Profile
Survey of Marina Bulkheads Date Date No.
Survey by R.C. Dale Notes R.C.D. Notes Chkd. Checked X-Sec.
Indexed H.E. Ott Date Date Date No.

STATION	B.S.	H.I.	F.S.	ELEV.		
		19 65				
34 R			11.0	8.7	Bot Brk.	
80 R			11.0	8.7	(Assumed)	
16+00 W			5.0	14.7		
14 R			4.9	14.8	Top Dike	
21 R			9.6	10.1	Toe	
33 R			10.5	9.2	Brk	
80 R			10.5	9.2	(Assumed)	
17+00 W			4.56	15.10	℄ 50' offset 1½	
12 R			4.7	15.0	Top Dike	
20 R			9.0	10.7	Toe Dike	
29 R			10.0	9.7	Brk	
80 R			10.6	9.1	(Assumed)	
18+00 W			4.74	14.91	℄ 50' offset 1½	
5 R			4.6	15.1	Top Dike	
15 R			9.3	10.4	Toe Dike	
27 R			10.8	8.9	Brk (Assumed)	
80 R			11.3	8.4	(Assumed)	
19+00 W			5.00	14.65	℄ 50' offset	
7 R			4.9	14.8	Top Dike	
14 R			9.4	10.3	Toe Dike	

76L-298 CE 307 11-58

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700 LOS ANGELES COUNTY ENGINEERING BLDG

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
		19 65				
27 R			11.4	8.3	Bot Brk.	
80 R			12.0	7.7	(Assumed)	
20+00W	5 26	20.24	4.67	14.98	℄ 50' offset	
7 R			4.9	15.3	Top Dike	
14 R			10.0	10.2	Toe Dike	
25 R			12.0	8.2	Brk	
80 R			15.0	5.2	(Assumed)	
21+00W			4.95	15.29	℄ 50' offset	
5 R			4 7	15.5	Top Dike	
19 R			8.9	11.3	Toe Dike	
25 R			8 9	11.3	Brk	
34 R			11.8	8.4	Brk	
80 R			14.5	5.7	(Assumed)	
22+00W			4 31	15.93	℄ 50' offset N Side Dike	
7 R			7.9	12.3	Toe Dike	
19 R			8.8	11.4	Brk	
26 R			11.9	8.3	Bot Brk.	
80 R			14.0	6.2	(Assumed)	
23+00W			3.32	16.92	℄ 50' offset Top S Edge Dike	
5 R			3 2	17.0	Top Dike	

Profile Notes Red ____ Plotted ____ Job No. 073901 Division No. ____ F.B. 2658 Pg. 127
No. ____ Date ____ Date ____ Survey of Marina Bulkheads
X-Sec. Notes Chkd. ____ Checked ____ Survey by R.C. Dale Notes RCD Date 9-30-60
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

76L-298 CE 307 11-58

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
		20.24				
15 R			10.3	9.9	Toe Dike	
30 R			11.4	8.8	Brk	
80 R			12.4	7.8	(Assumed)	
23+30 W			2.51	17.73	℄ 50' offset Top. S. Side Dike (End N. Bulkhe	
6 R			3.0	17.2	Top Dike	
20 R			10.7	9.5	Toe Dike	
80 R			11.7	8.5	(Assumed)	
T.P.	6.64	22.80	4.08	16.16		
TP	7.26	25.67	4.39	18.41		
TP	0.87	14.91	11.63	14.04		
BM MDR #66			4.49	10.42	BM MDR # Elev = 10.47 Fd std CE BM Brass Cap Mon set in conc Plant test area, SE Cor. 5' N'ly alone fence from entrance gate up 2".	
Extension of South Bulkhead West 100' 10-4-60						
TBM #2 129+40.34	1.69	17.30		15.61	TBM #2 Elev = 15.61 Per FB 2658-109 Fd 1x2 75' offset Line Mole 3.	
-0+31			6.4	10.9	Bot Brk.	
31 L			5.9	11.4	Brk	
12 R			10.8	6.5	Bot Brk	
30 R			11.0	6.3		
-0+43			6.9	10.4	℄ South Bulkhead	
32 L			6.2	11.1	Brk.	

F.B. 2658 Pg. 128 Job No. 073901 Division No. Notes Red Plotted Profile
Survey of Marina Bulkheads Date Date No.
Survey by R.C.D. Notes R.C.D. Notes Chkd. Checked X-Sec.
Indexed Date Date No.

76L-298 CE 307 11-58

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
		17.30				
30 R			6.4	10.9		
-1+00			4.9	12.4	℄ South Bulkhead	
32 L			5.4	11.9		
30 R			4.8	12.5		
Extension of 50' offset Line West. (North Bulkhead) 10-4-60						
T.P.	159	18.62	0 27	17.03		
24+30 W			2 9	15 7	℄ 50' offset (North Bulkhead)	
14 R			2.7	15.9	Bot. Brk	
20 R			0.3	18.3	Top Dike	
32 R			9.1	9.5	Bot Dike	
40 R			10.8	7.8	Brk	
60 R			11 8	6.8	(Assumed)	
80 R			10.8	7.8	(Assumed)	
TBM #2					TBM #2 Elev = 15.61 Per FB 2658-109	
129+40 34			3.02	15.60	Fd 1x2 75' offset Line Mole #3	

END

Profile Notes Red ____ Plotted ____ Job No. 0390L Division No. 11 F.B. 2658 Pg. 129
No. ____ Date ____ Date ____ Survey of Marina Bulkhead
X-Sec. Notes Chkd. ____ Checked ____ Survey by R.C. Dale Notes R.C.D. Date 10-4-60
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

76L-298 CE 307 11-58

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

F.B. 2658 Pg. 130 Job No. 6739.0 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of Marina Bulkheads Date ____ Date ____ No. ____ X-Sec. ____
Survey by E. English Notes E. Shoemaker Notes Chkd. ____ Checked ____ No. ____
Indexed by H. E. OTT Date ____ Date ____ Date ____

STATION	B.S.	H.I.	F.S.	ELEV		
		15.98	Cont from Pg 112			
105+00			9.5	6.5	15 R	
			8.8	7.2	15 L	
106+00	5.21	16.76	4.43	11.55	75' Offset Line	
			9.1	7.7	Bulkh'd Line	
			9.1	7.7	15 R	
			8.2	8.6	15 L	
107+00			4.84	11.92	75' Offset Line	
			9.6	7.2	Bulkh'd Line	
			10.4	6.4	15 R	
			9.9	6.9	15 L	
108+00			4.40	12.36	75' Offset Line	
			9.8	7.0	Bulkh'd Line	
			9.8	7.0	15 R	
			9.8	7.0	15 L	
109+00			4.37	12.39	75' Offset Line	
			9.8	7.0	Bulkh'd Line	
			9.8	7.0	15 R	
			9.5	7.3	15 L	
110+00	5.63	19.22	3.17	13.59	75' Offset Line	
			12.5	6.7	Bulkh'd Line	

76L298 S & E #307 9-54

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		19.22				
110+00			12.8	6.4	15 R	
			12.2	7.0	15 L	
111+00			4.69	14.53	75' Offset Line	
			13.2	6.0	Bulkh'd Line	
			13.2	6.0	15 R	
			12.7	6.5	15 L	
112+00			5.27	13.95	75' Offset Line	
			13.2	6.0	Bulkh'd Line	
			13.0	6.2	15 R	
			13.0	6.2	15 L	
113+00	2.03	16.90	4.35	14.87	75' Offset Line	
			11.2	5.7	Bulkh'd Line	
			11.2	5.7	15 R	
			11.2	5.7	15 L	
114+00			2.83	14.07	75' Offset Line	
			11.2	5.7	Bulkh'd Line	
			11.5	5.4	15 R	
			10.8	6.1	15 L	
114 ± 12 ±			10.7	6.2	Bulkh'd Line	
			11.5	5.4	15 R	

END

Profile Notes Red ____ Plotted ____ Job No. 0739.01 Division No. 11 F. B. 2658 Pg. 131
No. ____ Date ____ Date ____ Survey of Marina Bulkheads
X-Sec. Notes Chkd. ____ Checked ____ Survey by E. English Notes Shown by ____ Date 10-5-60
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. Ott Date ____

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

F. B. 2658 Pg. 132 | Job No. 0739.01 | Division No. 11 | Notes Red. | Plotted | Profile No.
Survey of Marina Bulkheads | Date | Date | X-Sec. No.
Survey by E. English | Notes E. Shoemaker | Notes Chkd. | Checked
Indexed H. E. Ott | Date | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.		
		16.90				
114+12			10.4	6 5	5 L	Bot bank
			5.1	11.8	15 L	Side slope
114+32			11 0	5 9	Bulkh'd Line	
			11 6	5 3	15 R	
			10.6	6 3	15 L	
115+00	4 00	17 73	3.17	13.73	75' Offset Line	
			12 8	4.9	Bulkh'd Line	
			11 8	5.9	15 R	
			12 8	4.9	15 L	
116+00			4 09	13.64	75' Offset Line	
			11 8	5 9	Bulkh'd Line	
			12 2	5 5	15 R	
			12 9	4 8	15 L	
117+00	2 80	16 49	4 04	13.69	75' Offset Line	
			12.2	4 3	Bulkh'd Line	
			12 3	4 2	15 R	
			11.9	4.6	15 L	
118+00			3 84	12.65	75' Offset Line	
			12.7	3 8	Bulkh'd Line	
			12 6	3 9	15 R	
			12 2	4 3	15 L	

76L298 S & E #307 9-54

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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.

STATION	B. S.	H. I.	F. S.	ELEV.	
		16.49			
119+00			313	13.36	75' Offset Line
			126	39	Bulkh'd Line
			128	37	15 R
			124	41	15 L
120+00	326	16.83	292	13.57	75 Offset Line
			123	45	Bulkh'd Line
			130	38	15 R
			127	41	15 L
121+00			293	13.90	75 Offset Line
			130	38	Bulkh'd Line
			130	38	15 R
			127	41	15 L
122+00			277	14.06	75 Offset Line
			120	48	Bulkh'd Line
			128	40	15 R
			121	47	15 L
123+00	272	16.97	258	14.25	75' Offset Line
			117	53	Bulkh'd Line
			123	47	15 R
			112	58	7 L Bot. slope

END

Profile Notes Red. ____ Plotted ____ Job No. 0739.01 Division No. 11 F. B. 2658 Pg. 133
No. ____ Date ____ Date ____ Survey of Marina Bulkheads
X-Sec. Notes Chkd. ____ Checked ____ Survey by E. English Notes Shoemaker Date 10-6-60
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. Off. Date ____

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		16.97				
123+00			6.4	10.6	15 L Side slope	
124+00			3.15	13.82	75' Offset Line	
			10.0	7.0	Bulkh'd Line	
			10.8	6.2	15 R	
			9.7	7.3	8 L Bot slope	
			5.8	11.2	15 L Side Slope	
125+00			2.61	14.36	75 Offset Line	
			10.4	6.6	Bulkh'd Line	
			11.9	5.1	15 R	
			10.2	6.8	9 L	
			7.7	9.3	15 L Side Slope	
126+00			2.82	14.15	75' Offset	
			9.9	7.1	Bulkh'd Line	
			10.7	6.3	15 R	
			9.8	7.2	12 L Bot Slope	
			7.9	9.1	15 L Side Slope	
126+55.38			2.25	14.72	75 Offset Line - Pg. 42	
			10.4	6.6	Bulkh'd Line "Cor."	
			11.2	5.8	15 R	
			10.0	7.0	15 L	
TBM-#1			6.05	10.92	TBM 1 El. 1099	FB 2658-109

F. B. 2658 Pg. 134 Job No. 0739.01 Division No. 11 Notes Red. Plotted Profile
Survey of Marina Bulkheads Date Date No.
Survey by E. English Notes E. Shoemaker Notes Chkd. Checked X-Sec.
Indexed [illegible] Date Date Date No.

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	75' Off. line Profile & Bulkhd. X-Secs West end Basin "C" - Pg.s 41 & 42
128+35 38	2 00	17 39		15 39	See pg. 110 - 75' Offset
128+35 38			(under Construction See Pg. 115 for elev.s)		Bulkhd. cor. - pg. 41
					15' R. - from Bulkhd. line
					15' L.
0+75			6 33	11 06	75' Offset line - pg. 41
1+75			7 36	10 03	" " " " "
			12 3	5 1	Bulkhd. line
			12 3	5 1	15' R. - (from Bulkhd. line)
			12 3	5 1	15 L.
2+75	5 51	15 36	7 54	9 85	75' Offset - pg. 41
			9 6	5 8	Bulkhd. line
			9 6	5 8	15' R.
			9 6	5 8	15' L.
3+75			5 00	10 36	75' Off. - pg. 41
			7 9	7 5	Bulkhd. line
			7 9	7 5	15' R.
			7 9	7 5	15' L.
4+75			4 83	10 53	75' Off. - Pg. 42
			9 4	6 0	Bulkhd. line

END

Note: Bulkhd. line is top mudd. to walk on, all Bulkhd. 15' R. & 15' L. elev.s are estimated.

Profile Notes Red ____ Plotted ____ Job No. 0739.01 Division No. 11 P.S. 2658 Pg. 135
No. ____ Date ____ Date ____ Survey of Marina Bulkhd.s
X-Sec. Notes Chkd. ____ Checked ____ Survey by English Notes Ed. Date 10-7-60
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. Off. Date ____

76L-298 CE 307 11-58

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV		
4+75		15 36	9 4	6 0	15 R.	
			9 4	6 0	15 L.	
5+75			5 10	10 26	75' Off. - pg. 42	
			10 8	4 6	Bulkhd. line	
			10 8	4 6	15' R.	
			10 8	4 6	15' L.	
6+75			5 20	10 16	75' Off. - pg. 42	
126+55.38			8 3	7 1	Bulkhd. cor. - pg. 42	
			8 3	7 1	15' R.	
			8 3	7 1	15' L.	
126+55.38			0 61	14.75	75' Off., pg. 134	
Mole #2 - South & East sides - Profile 75' Offset & Bulkhd. X-secs, Pg. 42						
T.B.M. #1	9.17	20 16		10.99	pg. 109	
74+69.18	2 92	18 26	4 82	1534	75' Offset, pg. 42	
74+69.18=A						
79+65.56=B			14.2	4.1	Bulkhd. Cor., Pg. 42 (=24+32.20) F.B. 2622-	
			14.2	4.1	15 R.	
			14.2	4.1	15 L. Bot brk	
			4.3	14.0	31 L Brk	
			1.9	16.4	47 L Top brk	

END

F.B. 2658 Pg. 136 | Job No. 0739.01 | Division No. 11 | Notes Red | Plotted | Profile
Survey of Marina Bulkhd. | Date | No. | X-Sec.
Survey by English | Notes | Notes Chkd. | Checked | No.
Indexed H.E. Ott | Date | Date | Date

76L-298 CE 307 11-58

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
		18 26				
74+69.18 A 79+65.56 B			3 5	14 8	53 L Brk	
75+00			14 3	4 0	Bulkh'd Line	
			14 3	4 0	15 R	
			14 3	4 0	15 L	
			14 3	4 0	20 L Bot brk	
			14	16 9	46 L Top brk	
			3.0	15 3	52 L Brk	
			2.68	15.58	75 L Offset Line	
76+00			14 3	4 0	Bulkh'd Line	
			14 3	4 0	15 R	
			14 3	4 0	15 L	
			14 3	4 0	18 L Bot brk	
			4 3	14 0	40 L Brk	
			0.2	18 1	53 L Top brk	
			3.0	15 3	62 L Brk	
			2 97	15.29	75 L Offset Line	
77+00			13.6	4 7	Bulkh'd Line	
			13 6	4 7	15 R	
			13.0	5 3	15 L	
			12.9	5 4	26 L Bot brk	

END

Profile Notes Rod ____ Plotted ____ Job No. 0739.01 Division No. 11 F.B. 2658 Pg. 13X
No. X-Sec. Date ____ Date ____ Survey of Marina Bulkhds
No. ____ Notes Chkd ____ Checked ____ Survey by English Notes Shown Date 10-17-60
Date ____ Date ____ Map No. ____ Indexed H. E. Ott Date ____

76L-298 CE 307 11-58

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

147

34

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV	
		18 26			
77+00			0.9	174	57 L Top brk
			3 4	149	70 L Brk
	3 22	18 19	3.29	14.97	75 L Offset Line
78+00			11 1	7.1	Bulkh'd Line
			11 1	71	15 R
			11 0	72	15 L
			10 5	77	27 L Bot brk
			1 7	165	67 L Top brk
			2 60	15.59	75 L Offset Line & brk –
79+00			11.8	64	Bulkh'd Line
			11 8	64	15 R
			11 8	64	15 L
			11 6	66	21 L Bot brk
			1.6	166	48 L Top "
			3 3	149	54 L Brk
	2 86	18 37	2 68	15.51	75 L Offset Line –
80+00			13 2	52	Bulkh'd Line
			13 0	54	15 R
			13 2	52	10 L Bot. brk
			11.9	65	15 L Side slope

END

F.B. 2658 PG. 138 Job No. 0739.01 Division No. 11 Notes Red Date Plotted Date Profile No. X-Sec. No.
Survey of Marina Bulkh'ds Notes Shoemaker Notes Chkd. Checked Date No.
Survey by English Date
Indexed H. E. OH

76L-298 CE 307 11-58

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
		18 37				
80+00			23	161	40 L	Top brk
			42	142	45 L	Brk
			383	14.54	75 L	Offset Line
81+00			120	64		Bulkh'd Line
			130	54	15 R	
			115	69	15 L	Bot brk
			48	136	31 L	Top brk
	2 52	17 16	373	14 64	75 L	Offset Line
82+00			133	39		Bulkh'd Line
			133	39	15 R	
			133	39	15 L	
			133	39	19 L	Bot brk
			27	145	39 L	Top brk
			3.5	137	53 L	Brk
			297	14 19	75 L	Offset Line
83+00			126	46		Bulkh'd Line
			128	44	15 R	
			126	46	15 L	Bot brk
			25	147	56 L	Top brk
			37	135	64 L	Brk

END

Profile Notes Red ____ Plotted ____ Job No. 0739.01 Division No. 11 F.S. 2658 Pg. 139
No. ____ Date ____ Date ____ Survey of Marina Bulkh'ds
X-Sec. Notes Chkd. ____ Checked ____ Survey by English Notes Shoemaker Date 10-17-60
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. Ott Date ____

76L-298 CE 307 11-58

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV		
		17 16				
83+00	3 35	16 .82	3.69	13.47	75° Offset Line	
84+00			120	4 8	Bulkh'd Line	
			122	4 6	15 R	
			118	5 0	15 L	
			11.8	5 0	17 L Bot. brk.	
			3 0	13 8	42 L Top "	
			2 93	13 89	75 L Offset Line	
85+00			9.2	7 6	Bulkh'd Line	
			9.5	7 3	15 R	
			93	7 5	15 L	
			93	7 5	19 L Bot brk	
			4 5	12 3	28 L Brk	
			1 6	15 2	62 L Top brk	
			3 2	13 6	69 L Brk	
	4 78	18.40	3 20	13 62	75 L Offset Line	
86+00			10 7	7 7	Bulkh'd Line	
			10 7	7 7	15 R	
			10.6	7 8	15 L	
			10.4	8 0	23 L Bot. brk.	
			7 4	11 0	31 L Brk	

END

F.B. 2658 PG. 140 Job No. 0739.01 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of Marina Bulkh'ds Date ____ Date ____ No. ____
Survey by English Notes Shoemaker Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed H.E. OTT Date ____ Date ____ No. ____

76L-298 CE 307 11-58

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
		18 40	L			
86+00			48	13 6	50 L	Brk
			22	16 2	57 L	Top brk
			24	16 0	66 L	Top brk
			43	14 1	70 L	Brk
			4 49	13.91	75 L	Offset Line
87+00			11 1	7 3		Bulkh'd Line
			11 1	7 3	15 R	
			10 9	7 5	15 L	Bot brk
			6 2	12 2	25 L	Brk
			5 0	13 4	39 L	Brk
			1 5	16 9	47 L	Top brk
			3.4	15 0	61 L	Brk
	1 91	16 89	3 42	14.98	75 L	Offset Line
88+00			9 9	7 0		Bulkh'd Line
			101	6 8	15 R	
			100	69	15 L	
			101	68	20 L	Bot brk
			41	128	29 L	Brk
			42	12 7	32 L	Brk
			0.8	16.1	42 L	Top brk

END

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0739.01 Division No. 11 F.B. 2658 Pg. 141
Date ____ Date ____ Survey of Marina Bulkh'ds
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by English Notes Shoemaker Date 10-17-60
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

H. E. Ott

76L-298 CE 307 11-58

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV		
		16 89				
88+00			25	14 4	51 L	Brk
			240	14 49	75 L	Offset Line
89+00			102	67	Bulkh'd Line	
			102	67	15 R	
			101	68	15 L	
			100	69	20 L	Bot brk
			43	126	30 L	Brk
			36	133	35 L	Brk
			13	156	40 L	Top brk
			30	139	49 L	Brk
	2 81	17 29	241	14 48	75 L	Offset Line
90+00			106	67	Bulkh'd Line	
			106	67	15 R	
			105	68	15 L	
			100	73	19 L	Bot brk
			31	142	37 L	Top brk
			302	14 27	75 L	Offset Line
91+00			107	66	Bulkh'd Line	
			107	66	15 R	
			107	66	15 L	

END.

F.B. 2658 Pg. 142 Job No. 0739.01 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of Marina Bulkh'ds Date ____ Date ____ No. ____
Survey by English Notes Shoemaker Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed ____ Date ____ Date ____ No. ____

76L-298 CE 307 11-58

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
		17 29				
91+00			3 2	14 1	29 L Top brk	
			4 2	13 1	40 L Brk	
	3 02	16.92	339	13 90	75 L Offset Line	
92+00			98	7 1	Bulkh'd Line	
			98	7 1	15 R	
			95	7 4	15 L	
			93	7 6	20 L Bot brk	
			22	14 7	35 L Top brk	
			43	12 6	41 L Brk	
			386	13.06	75 L Offset Line	
93+00			101	68	Bulkh'd Line	
			101	68	15 R	
			101	68	15 L	
			101	68	25 L Bot brk	
			1.9	150	36 L Top brk	
			52	11 7	47 L Brk	
	4 16	16.21	487	12 05	75 L Offset Line	
94+00			90	7 2	Bulkh'd Line	
			90	7 2	15 R	
			90	7 2	15 L	

END

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0739.01 Division No. 11 F.B. 2658 Pg. 143
X-Sec. No. ____ Date ____ Date ____ Survey of Marina Bulkh'ds
Notes Chkd. ____ Checked ____ Survey by English Notes Shoemaker Date 10-17-60
Date ____ Date ____ Map No. ____ Indexed M. E. OTT Date ____

76L-298 CE 307 11-56

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

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

Do not extend notes this side of this line.

F.B. 2658 Pg. 144 Job No. 0739.01 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of Marina Bulkh'ds Date ____ Date ____ No. ____ X-Sec. ____
Survey by English Notes Shoemaker Notes Chkd. ____ Checked ____
Indexed C.E. Off Date ____ Date ____ No. ____

STATION	B.S.	H.I.	F.S.	ELEV		
		16 21				
94+00			9.0	72	19 L Bot brk	
			2.6	13.6	29 L Top brk	
			42	120	33 L Brk	
			419	1202	75 L Offset Line	
95+00			9.2	70	Bulkh'd Line	
			90	72	15 R	
			92	70	15 L	
			90	72	23 L Bot brk	
			24	138	32 L Top brk	
			47	115	35 L Brk	
	4.97	16 48	470	11 51	75 L Offset Line	—
T.P. 95+15	2 66	15 82	332	13.16	37 L± T.P. Top	2x4 post.
96+00			85	73	Bulkh'd Line	
			94	64	15 R	
			86	72	15 L	
			83	75	19 L Bot brk	
			20	138	29 L Top "	
			43	115	36 L Brk	
			477	1105	75 L Offset Line	

RNID

76L-298 CE 307 11-58

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
		15 82				
97+00			8 4	7 4	Bulkh'd Line	
			9 0	6 8	15 R	
			8 5	7 3	15 L	
			8 1	7 7	21 L Bot. brk	
			2 5	13 3	30 L Top "	
			4 4	11 4	35 L Brk	
	4 97	16 06	4 73	11 09	75 L Offset Line	
98 +00			8 2	7 9	Bulkh'd Line	
			8 5	7 6	15 R	
			8 2	7 9	15 L	
			8 1	8 0	29 L Bot brk	
			1 6	14 5	33 L Top brk	
			4 8	11 3	40 L Brk	
			5.14	10.92	75 L Offset Line	
98+26.38			8.2	7 9	Bulkh'd Line	
			8.6	7 5	15 R	
			8.1	8 0	15 L	
			7.9	8 2	25 L Bot br	
			2 2	13 9	34 L Top brk	
			4 8	11 3	39 L Brk	

CNB

Profile Notes Red ____ Plotted ____ Job No. 0739.01 Division No. 1
No. ____ Date ____ Date ____ Survey of Marina Bulkh'ds
X-Sec. Notes Chkd. ____ Checked ____ Survey by E. English Notes Shoemaker Date 10-18-60
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

B. E. OH

F.B. 2658 Pg. 145

76L-298 CE 307 11-58

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F.B. 2658 Pg. 146 Job No. 0739.01 Division No. 11 Notes Red ____ Date ____ Plotted ____ Date ____ Profile No. ____ X-Sec. No. ____

Survey of Marina Bulkhds Notes Chkd. ____ Date ____ Checked ____ Date ____

Survey by E English Notes E. Shoemaker Date ____

Indexed H. E. Ott

STATION	B. S.	H. I.	F. S.	ELEV		
		16 06				
98+26.38			6.03	10.03	75 Offset Line	
T.P.	3 03	15 83	3 26	12 80	T.P. 2x4 Post	on SE Cor Mole 2
98+63 E.			79	79	Bulkhd Line	
			73	85	20 L Bot brk	
			14	144	30 L Top brk	
			~~44~~	~~114~~	~~36 L Brk~~	
			48	110	75 L Offset Line	
98+68 E.			78	80	Bulkhd Line	
			76	82	20 L Bot brk	
			21	137	30 L Top brk	
			22	136	36 L " "	
			16	142	75 L " "	
98+77 E.			78	80	Bulkhd Line	
			74	84	20 L Cor Bot. Brk	
			74	84	30 L " "	to w.
			75	83	36 L " "	" "
			72	86	75 L " "	" "
99+01.38 E.			771	812	Bulkhd Cor.	
			77	81	15 R	
			77	81	15 L	
			75	83	75 L	

END

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
		15.83				
100+00			71	87	Bulkh'd Line	
			72	86	15 R	
			72	86	15 L	
			72	86	26 L Bot brk	
			31	127	35 L Top "	
			47	111	38 L Brk	
			515	1068	75 L	
101+00			77	81	Bulkh'd Line	
			77	81	15 R	
			77	81	15 L	
			77	81	21 L Bot brk	
			26	132	33 L Top "	
			46	112	38 L Brk	
			480	1103	75 Offset Line	
101+80.38			81	77	Bulkh'd Line	
			79	79	15 R	
			79	79	15 L	
			76	82	23 L Bot brk	
			36	122	34 L Top "	
			47	111	40 L Brk	

END

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0739.01 Division No. 11
X-Sec. No. ____ Date ____ Date ____ Survey of Marina Bulkh'd
Notes Chkd. ____ Checked ____ Survey by E English Notes Taken by ____ Date 10-18-60
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F.B. 2658 Pg. 147

76L-298 CE 307 11-58

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV		
		15 83				
101+80.38			4 85	10.98	75 L Offset	
102+08. N			7 9	7 9	Bulkh'd Line	
			7 5	8 3	24 L Bot brk	
			2 7	13 1	32 L Top "	
			5.2	10.6	36 L Brk Cor.	
			4 9	10 9	75 L Brk to N	
102+18			7 9	7 9	Bulkh'd Line	
			8 3	7 5	24 L Bot brk	
			2 7	13 1	32 L Top " Cor	
			2 3	13 5	36 L " "	
			2 9	12 9	75 L " "	
102+28			7 9	7 9	Bulkh'd Line	
			8 3	7 5	24 L Bot brk Cor	
			8 2	7 6	32 L " " to N	
			8 0	7 8	36 L " " " "	
			8 0	7 8	75 L " " " "	
TP 101+80.38=B			4 85	10.98	T.P. 101+80.38 1X2	Stake N.E. Cor
= 103+30.38=A.					of 75' Offset	Lines Mole 2
					Per FB 2658-112	

END.

F.B. 2658 PG. 148

Job No. Division No. 11 Notes Red Plotted Profile

Survey of Marina Bulkh'ds Date Date No.

Survey by E. English Notes E. Snoemaker Notes Chkd. Checked X-Sec.

Indexed E.E. Oh Date Date Date No.

76L-298 CE 307 11-58

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
Profile 75' Offset line & X-Secs Mole #1 Bulkhd. line, pg. 43						
fd. B.M. M.D.R. 68-A	1 27	20 31		19 04	M.D.R.-68-A, el. = 19.04, F.B.-2649-?	
	2 79	19 09	4 01	16 30		
P.O.T.			4 59	14 50	℄ MOLE #1, pg. #43	
T.P. P.O.T.	2 81	17 63	4 27	14 82	℄ MOLE #1, pg. #43	
T.P. 28+27.28	8 83	21 64	4 82	12 81	1X2 30+11.53 BACK,	27+43.03 AHEAD pg. 43
			14 5	7 1	" BLK. HD. COR.	
29+00			14 5	7 1	BLK.	HD. LINE
			14 5	7 1		15' R.
			13 2	8 4	22' L. T.S.	
			2 3	19 3	48' L. Tp. DIKE	
			2 6	19 0	56' L. " "	
			8 78	12 86	75' OFF. LINE pg. 43	
			10 1	11 5	78' L. T.S.	
T.P. 30+00	8 52	20 50	9 66	11 98	1X2, 75' OFF LINE	
			17 8	2 7	BLK.	HD. LINE
			17 8	2 7		15' R.
			15 6	4 9	11' L. T.S.	
			2 4	18 1	36' L. Tp. DIKE	
			1 5	19 0	48' L. Tp. DIKE	

END

Profile Notes Red ____ Plotted ____ Job No. 0739.01 Division No. 11
No. ____ Date ____ Date ____ Survey of Marina Bulkhds.
X-Sec. Notes Chkd. ____ Checked ____ Survey by English Notes Fowler Date 10-28-60
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F.B. 2658 Pg. 149

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV		
		20 50	9 2	11 3	82'L. T.S.	
31 ~			9 48	11 02	1X2 75' OFF. LINE	
			16 7	3 8		BLK. HD. LINE
			16 8	3 7		15'R.
			16 8	3 7	8'L. T.S.	
			2 9	17 6	33'L. Tp. DIKE	
			2 1	18 4	44'L. " "	
			8 7	11 8	62'L. T.S.	
32 T.P. ~	9 44	19 83	10 11	10 39	1X2 75' OFF. LINE	
			14 7	5 1		BLK. HD. LINE
			14 7	5 1		15'R.
			13 7	6 1	10'L. T.S.	
			2 2	17 6	32'L. Tp. DIKE	
			2 4	17 4	42'L. Tp. DIKE	
			8 7	11 1	60'L T.S.	
33 ~			8 99	10 84	1X2, 75' OFF. LINE	
			15 6	4 2		BLK. HD. LINE
			15 6	4 2		15'R.
			15 6	4 2	15'L. T.S.	
			1 8	18 0	39'L. Tp. DIKE	
			2 1	17 7	47'L. Tp. DIKE	

F.B. 2658 PG. 150

Job No. 0739.01 Division No. 11 Notes Red ____ Plotted ____ Profile ____

Survey of MARINA BULKHD'S. Date ____ Date ____ No. ____

Survey by ~~E.O.B.~~ ISN Notes FOULGER Notes Chkd. ____ Checked ____ X-Sec. ____

Indexed ____ Date 10-28-60 Date ____ Date ____ No. ____

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.		
		1983				
			82	116	63'L. T.S.	
34 T.P.	1034	2058	959	1024	1X2, 75' OFF. LINE	
			168	38		BLK. HD. LINE
			168	38		15' R.
			163	43	15L. T.S.	
			35	171	40L. Tp. DIKE	
			38	168	55L. " "	
			89	117	66L. T.S.	
35			1019	1039	1X2, 75' OFF. LINE	
			169	37		BLK. HD. LINE
			169	37		15' R.
			169	37	16'L. T.S.	
			32	174	40L. Tp. DIKE	
			33	173	52L. " "	
			95	111	75L. T.S.	
36	862	2082	838	1220	1X2 75' OFF. LINE	
			167	41		BLK. HD. LINE
			167	41		15 R.
			167	41	13'L. T.S.	
			20	188	40'L. Tp. DIKE	
			20	188	45'L. " "	

END

Profile Notes Red ____ Plotted ____ Job No. 0739.01 Division No. 11
No. ____ Date ____ Date ____ Survey of MARINA BULKHEADS
X-Sec. Notes Chkd. ____ Checked ____ Survey by ENGLISH & GIT Notes English Date 10-28-60
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F.B. 2658 Pg. 151

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV		
		20 82				
			7 6	13 2	70' L. T.S.	
37 ~			9 53	11 29	1x2 75' OFF. LINE	
			16 4	4 4		BLK. HD. LINE
			16 4	4 4		15' R.
			16 4	4 4	11' L T.S.	
			1 4	19 4	43' L Tp. DIKE	
			3 4	17 4	58' L " "	
			9 5	11 3	75' L. T.S.	
T.P. 38 ~	10 10	20 80	10 12	10 70	75' OFF. LINE	
			17 0	3 8		BLK. HD. LINE
			17 0	3 8		15' R.
			17 0	3 8	13' L. T.S.	
			3 5	17 3	43' L. Tp. DIKE	
			3 8	17 0	54' L. " "	
			9 0	11 8	68 L. T.S.	
39 ~			9 85	10 95	75' OFF. LINE	
			17 3	3 5		BLK. HD. LINE
			17 3	3 5		15' R.
			17 3	3 5	6' L. T.S	
			2 4	18 4	44' L. Tp. DIKE	
			3 0	17 8	55' L. " "	

END

F.B. 2658 PG. 152

Job No. 0739.01 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of MARINA BULKHEADS Date ____ Date ____ No. ____
Survey by ENGLISH Notes FOULGER Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed H. E. Ott Date 10-28-60 Date ____ Date ____ No. ____

76L-298 CE 307 11-58

Pg. 43

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9,29 **Do not extend notes this side of this line.**

STATION	B.S.	H.I.	F.S.	ELEV.		
		20 80				
			10 0	10 8	75'L. T.S.	
			9 58	11 22	1x2" 90' OFF LINE	
T.P.	5 13	16 64	9 29	11 51	1x2	
39+56			11 2	5 4	BLK HD. LINE	
			11 5	5 1		15'R.
			10 8	5 8	15'L. T.S	
			+2 0	18 6	44'L. Tp. END OF DIKE	
			+1 5	18 1	53'L. " " " "	
			5 1	11 5	73'L. T.S	
			5 7	10 9	85'L. T.S. BEGIN. DIKE	
39+62			5 4	11 2	48'L. T.S. END OF DIKE	
			5 1	11 5	75'L. T.S.	
			0 6	16 0	82'L. Tp. BEGIN. DIKE	
			5 5	11 1	90'L. T.S.	
40~			12 8	3 8	BLK. HD. LINE	
			13 0	3 6		15'R.
			13 0	3 6	14'L. T.S.	
			5 2	11 4	33'L. BRK.	
			3 5	13 1	40 L. Tp. BRK.	
			5 5	11 1	50 L. BOT. BRK.	
			4 7	11 9	73 L. T.S.	

END

Profile Notes Red ____ Plotted ____ Job No. 0739.01 Division No. 11 F.B. 2658 Pg. 153
No. ____ Date ____ Date ____ Survey of MARINA BULKHD'S.
X-Sec. Notes Chkd. ____ Checked ____ Survey by ENGLISH Notes FOULGER Date 10-31-60
No. ____ Date ____ Date ____ Map No. ____ Indexed B. E. OTT Date ____

76L-298 CE 307 11-58

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV		
		16 64				
			1 4	15 2	80'L. TP. DIKE	
			5 1	11 5	89'L. T.S.	
			5 13	11 51	1X2 90' OFF. LINE	
41 ~			4 92	11 72	1X2 90' OFF. LINE	
			12 3	4 3	BLK.	HD. LINE
			12 5	4 1		15'R.
			12 4	4 2	17'L. T.S.	
			5 1	11 5	30'L. BRK.	
			2 9	13 7	39'L. TP. BRK	
			4 7	11 9	45'L. BOT. BRK.	
			4 7	11 9	72'L. T.S.	
			1 7	14 9	79'L. TP. DIKE	
			4 8	11 8	87'L. T.S.	
T.P. 42 ~	6 00	17 58	5 06	11 58	1X2 90' OFF. LINE	
			12 2	5 4	BLK.	HD. LINE
			12 5	5 1		15'R.
			12 1	5 5	15'L. T.S.	
			2 6	15 0	38'L. TP. BRK.	
			5 2	12 4	44'L. BOT. BRK	
			5 0	12 6	70'L. T.S.	
			3 2	14 4	76'L. TP. DIKE	

END.

F.B. 2658 PG. 154

Job No. 0739.01 Division No. 11 Notes Red ____ Plotted ____ Profile ____

Survey of MARINA BULKHD'S. Date ____ Date ____ No. ____

Survey by ENGLISH Notes FOULGER Notes Chkd. ____ Checked ____ X-Sec. ____

Indexed H. E. OTT Date 10-31-60 Date ____ Date ____ No. ____

76L-298 CE 307 11-58

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		17 58				
			62.	11 4	83'L. T.S.	
43 ~			121	5 5	BLK.	HD. LINE
			120	5 6		15'R
			117	5 9	19'L. T.S.	
			42	13 4	38'L. TP. BRK.	
			55	12 1	45'L. BOT. BRK.	
			49	12 7	68'L. T.S.	
			17	15 9	76'L. TP. DIKE	
			62	11 4	86'L. T.S.	
			619	11 39	1X2 90' OFF LINE	
43+44			48	12 8	T.S. BRK IN DIKE	
43+52			125	5 1	BLK.	HD. LINE
			127	4 9		15'R.
			123	5 3	21'L. T.S.	
			08	16 8	47'L. TP. BEGIN BRK. IN DIKE	
			09	16 7	69'L. " " " " "	
			60	11 6	80'L. T.S.	
			63	11 3	90'L.	
44 T.P. ~	7 75	18 89	644	11 14	1X2 90' OFF. LINE	
			138	5 1	BLK.	HD. LINE
			139	5 0		15'R.

E.N.D.

Profile Notes Red ____ Plotted ____ Job No. 0739.01 Division No. 11 F.B. 2658 Pg. 155
No. ____ Date ____ Date ____ Survey of MARINA BULKH'DS.
X-Sec. Notes Chkd ____ Checked ____ Survey by ENGLISH Notes FOULGER Date 10-31-60
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____
H. E. ON

76L-298 CE 307 11-58

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV		
		18 89				
			13 9	5 0	14'L. T.S.	
			1 9	17 0	49'L. TP. DIKE	
			1 4	17 5	58'L. " "	
			3 4	15 5	72'L. " "	
			7 5	11 4	80'L. T.S.	
44+88			3 1	15 8	78'L. TP. END OF	DIKE
44+91			6 5	12 4	78'L. T.S. " "	"
45+00			12 8	6 1	BLK.	HD. LINE
			12 7	6 2		15'R.
			12 8	6 1	13'L. T.S.	
			0 9	18 0	40'L. TP. DIKE	
			3 6	15 3	58'L. TP. END OF	DIKE
			6 7	12 2	64'L. T.S. " "	"
			6 89	12 00	1X2 90' OFF. LINE.	
45+15			1 7	17 2	39'L. TP. END OF	DIKE
			6 6	12 3	43'L. T.S. " "	"
45+49			12 5	6 4	18'L. T.S. BEGIN	FILL
45+57			6 5	12 4	27'L. BRK. "	"
45+60			3 7	15 2	25'L. TP. "	"
45+68			12 5	6 4		2'R T.S.
			3 8	15 1	12'L TP. FILL	

END.

F.B. 2658 Pg. 156

Job No. 0739.01 Division No. 11 Notes Red Date Plotted Date Profile No. X-Sec. No.

Survey of MARINA BULKHDS Notes Chkd. Date Checked Date

Survey by ENGLISH Notes FOULGER Date 10-31-60

Indexed H. E. OIT

76L-298 CE 307 11-58

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		18 89				
45+78			123	66	17'L. T.S. EDGE OF FILL	
			43	146	26'L. Tp. OF FILL	
46+00			794	1095	1X2 90' OFF. LINE	
			766	1123	1X2 75' OFF. LINE	
			121	68	BLK. HD. LINE	
			122	67		15'R.
			120	69	16'L. T.S.	
			42	147	30'L. Tp. DIKE	
			58	131	45'L. " "	
			73	116	63'L. T.S. EDGE OF FILL	
T.P. 47	810	1850	849	1040	1X2 75' OFF. LINE	
			106	79	BLK. HD. LINE	
			110	75		15'R.
			105	80	22'L. T.S.	
			37	148	33'L. Tp. DIKE	
			81	104	46'L. T.S.	
47+71.99			792	1058	1X2 75' OFF LINE	SEE Pg. 43 47+71.99 BACK, 41+21.99 AHEAD
			118	67	BLK. HD. LINE	
			115	70		15'R.
			115	70	11'L. T.S.	
			34	151	32'L. Tp. DIKE	

END

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0739.01 Division No. 11
X-Sec. No. ____ Date ____ Date ____ Survey of MARINA BALKH'DS.
Notes Chkd. ____ Checked ____ Survey by ENGLISH Notes FAULKER Date 10-31-60
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F.B. 2658 Pg. 157

76L-298 CE 307 11-58

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F.B. 2658 Pg. 158

Job No. 07391 Division No. 11 Notes Red ____ Plotted ____ Profile ____

Survey of MARINA BULKH'DS. Date ____ Date ____ No. ____ X-Sec. ____

Survey by ENGLISH Notes FERGER Notes Chkd. ____ Checked ____

Indexed ____ Date 10-31-60 Date ____ Date ____ No. ____

H.E. OTT

STATION	B.S.	H.I.	F.S.	ELEV		
		18 50				
			7 7	10 8	42' L. T.S.	
48+46.99			12 2	6 3	BLK.	HD. COR.
			12 3	6 2	"	23' R. ON SPLIT OF ⁂
			9 8	8 7	36' L. T.S. ON SPLIT OF ⁂	
			4 6	13 9	50' L. Tp. DIKE " "	" "
			7 7	10 8	72' L. T.S. " "	" "
49+21.99			11 4	7 1	BLK. HD. LINE	
			11 4	7 1		15' R.
			11 7	6 8	29' L. T.S.	
			5 3	13 2	38' L. Tp. DIKE	
			8 8	9 7	44' L. T.S.	
T.P. 50+00	9 69	20 29	7 90	10 60	1X2 75' OFF LINE	
			14 2	6 1	BLK.	HD. LINE
			14 3	6 0		15' R.
			13 7	6 6	22' L. T.S.	
			2 2	18 1	41' L. Tp. DIKE	
			9 2	11 1	61' L. T.S	
51+00			15 8	4 5	BLK.	HD LINE
			15 7	4 6		15' R.
			15 2	5 1	20' L. T.S.	
			1 6	18 7	36' L. Tp. DIKE	

END

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.		
		20 29	10 1	10 2	65'L. T.S.	
			10 16	10 13	1X2 75' OFF. LINE	
51+25.99B			10 01	10 28	⊥ PT. 51+25.99 BACK, 52+75.99 AHEAD	See Pg. 43
			15 4	4 9	BLK.	HD. LINE
			15 7	4 6		15'R.
			15 1	5 2	20'L. T.S.	
			3 5	16 8	42'L. Tp. DIKE	
			10 2	10 1	60'L. T.S.	
T.P.	10 28	20 15	10 42	9 87		
51+91			15 0	5 2	T.S. BLK.	HD. LINE
52+00.99			11 8	8 4	"	" COR.
			10 4	9 8	45'L. T.S. ON SLIT OF ⊥	
			1 4	18 8	65'L. Tp. DIKE " "	" "
			10 0	10 2	80'L. T.S. " "	" "
52+31			10 7	9 5	BLK.	HD. LINE
52+78			13 2	7 0	"	" "
53+00			10 28	9 87	75' OFF. LINE	
			13 0	7 2	BLK.	HD. LINE
			13 0	7 2		15'R
			13 0	7 2	11'L. T.S.	
			2 4	17 8	32'L. Tp. DIKE	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0739.01 Division No. 11
X-Sec. No. ____ Date ____ Date ____ Date ____ Survey of MARINA BULKHEAD
Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by ENGLISH Notes FULLER Date 10-31-60
Map No. ____ Indexed M. E. OTT Date ____

F.B. 2658 Pg. 159

76L-298 CE 307 11-58

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F.B. 2658 Pg. 160

Job No. 0739.01 Division No. 11 Notes Red ____ Date ____ Notes Chkd. ____ Date ____ Plotted ____ Date ____ Checked ____ Date ____ Profile No. ____ X-Sec. No. ____

Survey of MARINA BULKHEAD
Survey by ENGLISH Notes FAULKER Date 10-31-60
Indexed H. E. OH

STATION	B.S.	H.I.	F.S.	ELEV		
		2015				
			99	103	37'L. T.S.	
54+00			130	72		BLK. HD. LINE
			130	72		15'R.
			130	72	20'L. T.S	
			23	179	42'L. Tp. DIKE	
			80	113	66'L. T.S.	
			861	1154	1X2 75'OFF LINE	
55+00			122	80		BLK. HD. LINE
			122	80		15'R.
			122	80	23'L. T.S.	
			43	159	43'L. Tp DIKE	
			35	167	66'L. T.S.	
55+00 T.P.	683	1893	805	1210	1X2 75'OFF LINE	
56+00			726	1167	" " " "	
			125	64		BLK. HD. LINE
			125	64		15'R
			125	64	21'L. T.S.	
			14	175	45'L Tp. DIKE	
			16	173	60'L. " "	
			73	116	72'L. T.S.	
57+00			118	71		BLK. HD. LINE

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.		
55+00		18 93				
			11 8	7 1		15'R.
			11 8	7 1	19'L T.S.	
			3 8	15 1	35'L Tp. DIKE	
			2 6	16 3	62'L " "	
			7 77	11 16	1X2 T.S. 75' OFF. LINE	
58+00			12 3	6 6	BLK. HD LINE	
			12 3	6 6		15'R.
			12 3	6 6	18'L. T.S.	
			5 4	13 5	25'L Tp. DIKE	
			5 2	13 7	77'L " "	
T.P.	6 38	17 75	7 56	11 37	1X2 85' OFF. LINE	
59+00			11 2	6 6	BLK. HD. LINE	
			11 2	6 6		15'R
			11 2	6 6	17'L T.S.	
			4 3	13 5	28'L. Tp. DIKE	
			6 1	11 7	25L. T.S	
			5 8	12 0	59L. T.S	
			1 1	16 7	71L. Tp. DIKE	
			6 25	11 50	1X2 85' OFF LINE T.S.	
60+00			11 5	6 3	BLK. HD. LINE	
			11 5	6 3		15'R

D.F.

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 0739.01 Division No. 11 Survey of MARINA BULKHDS. Survey by ENGLISH Notes FOULGER Date 10-31-60 Map No. ____ Indexed H. E. OTT Date ____

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

F.B. 2658 Pg. 161

76L-298 CE 307 11-56

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STATION	B. S.	H. I.	F. S.	ELEV		
60+00		19 75	115	63	20'L T.S.	
			36	142	30'L Tp. DIKE	
			60	118	35'L T.S	
			58	120	62'L T.S	
			26	152	68'L Tp. DIKE	
			65	113	78'L T.S.	
			636	1139	1X2 85' OFF LINE	
61+00			110	68	BLK. HD. LINE	
			110	68		15'R.
			110	68	22'L. T.S.	
			24	154	33'L. Tp. DIKE	
			71	107	40'L T.S.	
			630	1145	1X2 75' OFF LINE	
62+00			107	71	BLK. HD LINE	
			107	71		15'R.
			107	71	25'L. T.S.	
			35	143	29'L Tp. DIKE	
			60	118	36'L. T.S.	
T.P.	682	1781	676	1099	1X2 75' OFF LINE	
63+00			117	61	BLK. HD. LINE	
			117	61		15'R.

D.F.

F.B. 2658 PG. 162

Job No. 0739.01 Division No. 11 Notes Red ____ Plotted ____ Profile ____

Survey of MARINA BULKHDS. Date ____ Date ____ No. ____

Survey by ENGLISH Notes FOULGER Notes Chkd. ____ Checked ____ X-Sec. ____

Indexed H. E. OD Date 10-31-60 Date ____ Date ____ No. ____

76L-298 CE 307 11-58

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
63+00		17 81	11 7	6 1	16'L. T.S.	
			3 2	14 6	32'L. Tp. DIKE	
			6 9	10 9	50'L. T.S.	
			6 39	11 42	1X2 75' OFF. LINE	
64+00			12 4	5 4	BLK. HD.	LINE
			12 4	5 4		15'R.
			12 4	5 4	14'L. T.S.	
			1 8	16 0	38'L. Tp. DIKE	
			6 0	11 8	59'L. T.S.	
T.P.	5 21	17 20	5 82	11 99	1X2 75' OFF. LINE	
65+00			11 7	5 5	BLK. HD.	LINE
			11 7	5 5		15'R.
			11 7	5 5	14'L. T.S.	
			5 6	11 6	31'L. Tp. BRK.	
			6 21	10 99	1X2 75' OFF. LINE	
66+00			12 0	5 2	BLK. HD.	LINE
			12 0	5 2		15'R.
			12 0	5 2	9'L. T.S.	
			4 8	12 4	37'L. Tp. DIKE	
			6 9	10 3	46'L. T.S.	
			6 33	10 87	1X2 75' OFF. LINE	

E.S.

Profile Notes Red ____ Plotted ____ Job No. 0739.01 Division No. 11
No. ____ Date ____ Date ____ Survey of MARINA BULKHDS.
X-Sec. Notes Chkd. ____ Checked ____ Survey by ENGLISH Notes FOULGER Date 11-1-60
No. ____ Date ____ Date ____ Map No. ____ Indexed M. E. OTT Date ____

F.B. 2658 Pg. 163

76L-298 CE 307 11-58

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F.B. 2658 Pg. 164 Job No. 073901 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of MARINA BULKHEADS Date ____ Date ____ No. ____
Survey by ENGLISH Notes FOULGER Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed H. E. OFF Date 11-1-60 Date ____ Date ____ No. ____

STATION	B.S.	H.I.	F.S.	ELEV		
67+00		17.20	12 1	5 1	BLK. HD. LINE	
			12 1	5 1		15'R.
			12 1	5 1	20'L. T.S.	
			4 5	12 7	36'L. TP. DIKE	
			6 6	10 6	45'L. T.S.	
T.P.	4 34	15 11	6 43	10 77	1X2 75' OFF. LINE	
68+00			9 4	5 7	BLK. HD. LINE	
			9 4	5 7		15'R.
			9 4	5 7	16'L. T.S.	
			3 4	11 7	41'L. TP. DIKE	
			5 2	9 9	53'L. T.S.	
			4 77	10 34	1X2 75' OFF. LINE	
68+70			9 8	5 3	25'L. BOT BRK.	
68+75			6 9	8 2	" " TP. "	
			9 6	5 5	BLK. HD. LINE	
68+80			7 5	7 6	TP. BRK. " "	"
68+93			10 9	4 2	23'L. BOT. BRK.	
69+00			11 2	3 9	" " BLK.	HD. LINE
			11 2	3 9		15'R.
			11 3	3 9	18'L. T.S.	
			2 2	12 9	44'L. TP. DIKE	

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.		
		15 11				
			4 8	10 3	50'L. T.S.	
			4 48	10 63	1X2 75' OFF. LINE	
T.P. 70+00	4 55	15 51	4 15	10 96	1X2 75' " "	
			12 0	3 5	BLK. HD.	LINE
			12 0	3 5		15'R.
			11 9	3 6	12'L. T.S.	
			2 3	15 2	40'L. Tp. DIKE	
			5 2	10 3	50'L. T.S.	
71+00			12 0	3 5	BLK. HD	LINE
			12 0	3 5		15'R.
			11 9	3 6	16'L. T.S.	
			2 7	12 8	39'L. Tp. DIKE	
			4 8	10 7	50'L. T.S.	
			4 23	11 28	1X2 75' OFF. LINE	
71+08			11 8	3 7	BLK. HD.	LINE BOT. BRK.
			11 8	3 7		15'R. BOT. BRK.
			11 8	3 7	15'L. BOT. BRK.	
71+25			9 6	5 9	BLK. HD.	LINE Tp. BRK.
			9 5	6 0		15'R. " "
			9 4	6 1	15'L.	
72+00			9 7	5 8	BLK. HD	LINE

E.J.

Profile Notes Red ____ Plotted ____ Job No. 0739.01 Division No. 11
No. ____ X-Sec. ____ Date ____ Date ____ Survey of MARINA BULKHDS.
Notes Chkd. ____ Checked ____ Survey by ENGLISH Notes FULGER Date 11-1-60
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

F.B. 2658 Pg. 165

76L-298 CE 307 11-58

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV		
		15 51				
			11 4	4 1		15'R.
			8 0	7 5	30'L. T.S.	
			2 3	13 2	53'L. END Tp. DIKE	
			4 1	11 4	59'L. T.S.	
T.P.	5 54	16 97	4 08	11 43	1X2 75' OFF. LINE	
72+57.80			11 4	5 6	BLK. HD. COR.	
∡ PT.			5 40	11 57	72+99.34 BACK, 72+16.26 AHEAD	SEE Pg. 43
			12 1	4 9		15'R. ON SPLIT OF ∡
			12 2	4 8	20'L. ON SPLIT OF ∡	BRK.
			4 8	12 2	38'L. " " " "	Tp. "
			6 1	10 9	64'L. " " " "	BOT. "
73+00			11 2	5 8	BLK. HD. LINE	
			12 5	4 5		15'R.
			12 3	4 7	19'L. BOT. BRK.	
			5 1	11 9	37'L. Tp. "	
			4 1	12 9	45'L. " "	
			5 8	11 2	50'L. BOT. "	
	5 82	17 52	5 27	11 70	1X2 75' OFF. LINE	
74+00			11 9	5 6	BLK. HD. LINE	
			14 3	3 2		16'R EGDE OF SUMP
			11 2	6 3		10'R. Tp. BNK.

ES

F.B. 2658 Pg. 166

Job No. 0739.01 Division No. 11 Notes Red Plotted Profile

Survey of MARINA BULKH'DS. Date Date No. X-Sec.

Survey by ENGLISH Notes FOULGER Notes Chkd. Checked

Indexed H.E. OH Date 11-1-60 Date Date No.

76L-298 CE 307 11-58

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
74+00		17 52				
			11 4	6 1	21'L T.S.	
			4 3	13 2	36'L. Tp. BRK.	
			7 0	10 5	50'L. BOT. "	
			5 98	11 54	1X2 75' OFF. LINE	
74+50			14 0	3 5		20'R. BRK. EDGE OF SUMP
			11 4	6 1		6'R. Tp "
74+70			12 0	5 5		17'R. " "
75±00			12 8	4 7	BLK. HD. LINE	
			13 4	4 1		15'R.
			13 1	4 4	20'L. T.S.	
			4 3	13 2	39'L. Tp. BRK.	
			5 8	11 7	48'L. BOT. "	
			5 45	12 07	1X2 75' OFF. LINE	
76+00			12 3	5 2	BLK HD. LINE	
			13 3	4 2		15'R.
			12 2	5 3	22'L. T.S.	
			3 6	13 9	38'L. Tp. BRK.	
			5 9	11 6	44'L. BOT. "	
T.P.	3 83	16 17	5 18	12 34	1X2 75' OFF. LINE	
77+00			10 9	5 3	BLK. HD. LINE.	
			11 9	4 3		15'R.

D.F.

Profile Notes Red ____ Plotted ____ Job No. 0739.01 Division No. 11 F.B. 2658 Pg. 167
No. ____ Date ____ Date ____ Survey of MARINA BULKHEADS.
X-Sec. Notes Chkd. ____ Checked ____ Survey by ENGLISH Notes FOUGER Date 11-1-60
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

E. E. OH

76L-298 CE 307 11-58

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F.B. 2658 Pg. 168

Job No. 0739.01 Division No. 11 Notes Red ____ Plotted ____ Profile ____

Survey of MARINA BULKHEADS Date ____ Date ____ No. ____ X-Sec. ____

Survey by ENGLISH Notes EAULGER Notes Chkd. ____ Checked ____ No. ____

Indexed H. E. OTT Date ____ Date ____

STATION	B. S.	H. I.	F. S.	ELEV		
		16 17	1 2	5 0	18'L. T.S.	
			3 2	13 0	36'L. Tp. BRK.	
			4 4	11 8	45'L. BOT. "	
			4 11	12 06	1X2 75' OFF. LINE	
78+00			12 3	3 9	BLK. HD.	LINE
			12 3	3 9		15'R.
			12 3	3 9	18'L. T.S.	
			2 8	13 4	33'L. Tp. BRK.	
			4 8	[illegible] 0	37'L. BOT. "	
			4 32	11 85	1X2 75' OFF. LINE	
79+00			11 1	[illegible] 1	BLK. HD.	LINE
			11 3	4 9		15'R.
			10 7	5 5	20'L. T.S.	
			2 7	14 1	34'L. Tp. BRK.	
			3 5	12 7	40'L. BOT. "	
T.P.	6 56	19 06	3 67	12 50	1X2 75' OFF. LINE	
⊥ PT.			14 8	4 3	79+65.56 BACK	74+69.18 AHEAD
			14 8	4 3		15'R.
			14 8	4 3	18'L. T.S	
			5 1	14 0	38'L. Tp. BRK	
			6 4	12 7	44'L. BOT. "	

B.F.

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.		
		19 06	60	131	75'L.	
79+80			149	42	BLK. HD. LINE PROD	
			149	42	13'L. T.S.	
			55	136	38'L. Tp. BRK.	
80+00			34	157	EDGE FILL. MOLE #2 BLK HD. LINE PROD.	
			49	142		15'R. EDGE OF FILL
			50	141	20'L. BOT. BRK.	
			575	1331	1X2 75'OFF. LINE	
75 OFF 4 Pt. TP			415	1491	81+00.95 BACK, 73+33.79 AHEAD 1X2 SEE Pg. 42	
			354	1552	T.B.M. 15.58 @ 75+00 1X2 SEE Pg. 137	
X-Secs		So. Side	Basin "A", 0+00 To: 28+77.28			
B.M. M.D.R. #71	759	2208		1449	M.D.R. #71, el.=14.49, F.B. 2649	
T.P.	571	2164	615	1593		
"	445	2302	307	1857		
"	259	2048	513	1789		
	545	2066	527	1521		
	553	2256	363	1703		
TBM A			758	1498	T.B.M.-A El. 1498. 100±'s of S.E. Cor. Basin "A"	
					End P.K. nail in S.E. Cor of oil well conc. base	

Profile Notes Red ____ Plotted ____ Job No. 0739.01 Division No. 11
No. ____ Date ____ Date ____ Survey of MARINA BULKHEADS.
X-Sec. Notes Chkd ____ Checked ____ Survey by ENGLISH Notes FOULKES Date 11-1-60
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OH Date ____

F.B. 2658 Pg. 169

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV	Bulkhd. Line
TBM A	5.02	20.00		14 98	(See Prev. Pg) TBM-A El. 14.98 100'±S. of S.E. Cor. Basin "A"
					Fnd. P.K. nail in S.E Cor. oil well conc. base
TBM. B			4.74	15 26	TBM-B EL 15.26 100'±S of S.E. Cor. Basin "A"
					Fnd. P.K. nail in N.E. Cor. oil well conc base
TBM-A	4.68	19.66		14 98	See Above
0+00			21 2	-1 5	Begin bulkh'd Line See Pg. 44
			under	-3 3	
			23 0	water	20 R.
			18 2	1 5	8 L. edge water
			16 3	3 4	20 L. Brk.
			10 9	8 8	33 L. "
			9 7	10 0	50 L. "
			3 0	16 7	74 L. "
			2 2	17 5	97 L. "
			6 4	13 3	113 L. "
0+20			18 2	1 5	Brk. Bulkhd. line
0+25			14 7	5 0	" " "
0+69			14 7	5 0	" " "
1+00			21 2	-1 5	" "
			23 0	-3 3	20 R.
			15 7	4 0	11 L. edge Water
			5 9	13 8	30' L. Brk

DF.

F.B. 2658 Pg. 170 Job No. 0739.01 Division No. 11 Notes Red Plotted Profile
Survey of Marina Bulkheads Date Date No. X-Sec.
Survey by English Notes E. Shoemaker Notes Chkd. Checked
Indexed H. E. OTT Date Date Date No.

76L-298 CE 307 11-58

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
					Bulkhd.	Line
1+00		19 66	52	14 5	50 L. Brk.	
			2 0	17 7	58 L. "	
			6 1	13 6	71 L. "	
2+00			17 7	2 0		Bulkhd. Line
			18 7	1 0		20 R.
			15 7	4 0	7 L. edge water	
			5 1	14 6	28 L. Brk.	
			4 9	14 8	48 L. "	
			3.6	16 1	50 L	
			1 2	18 5	56 L "	
			5 9	13 8	68 L "	
T.P.	5.99	20.47	5 18	14 48	T.P.	
3+00			18 5	2 0		Bulkhd Line
			20 5	0 0		20 R
			16 5	4 0	8 L Edge water	
			6 3	14 2	26 L Brk	
			5 8	14 7	42 L "	
			2 2	18 3	50 L "	
			5 8	14 7	62 L "	
4+00			18 5	2 0		Bulkhd Line
			20 5	0 0		20 R
			16 5	4 0	8 L	

Profile Notes Red ____ Plotted ____ Job No. 073901 Division No. 11 F.B. 2658 Pg. 171
No. ____ X-Sec. Date ____ Date ____ Survey of Marina Bulkheads
No. ____ Notes Chkd. ____ Checked ____ Survey by English Notes F.S. Date 11-21-60
Date ____ Date ____ Map No. ____ Indexed H.E. on Date ____

76L-298 CE 307 11-58

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV		
		20.47				
4+00			52	153	26 L Brk	
			52	153	37 L "	
			22	183	43 L "	
			60	145	55 L "	
4+41.96 E.C.			185	20	Bulkh'd Line	
			205	00		20 R
			165	40	9° L Edge water	
			5.2	153	27 L Brk	
			48	157	37 L "	
			15	110	41 L "	
			59	146	50 L "	
			60	137	52 L "	
T.P.	4.50	20.83	4.14	16.33	Int 50' Offset & 75' Offset Lines Pg 44	
4+97.36			188	20	Bulkh'd Line	
			203	00		20 R
			168	40	11 L	
			41	167	29 L	
			44	164	42 L	
			29	179	46 L	
			41	167	50 L	

F.B. 2658 Pg. 172 Job No. 0739.01 Division No. 11 Notes Red Plotted Profile
Survey of Marina Bulkheads Date Date No. X-Sec.
Survey by English Notes E. Shoemaker Notes Chkd. Checked
Indexed H. E. Ott Date Date Date No.

76L-298 CE 307 11-58

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
		20.83				
4+97.36			7.9	12 9	61 L	Brk
6+22			188	20		Bulkh'd Line
			208	00		20 R
			16.8	4 0	3° L	Edge water
			4 4	16 4	26 L	Brk
			4 5	16 3	60 L	"
			2.5	18 3	67 L	"
			7 0	13 8	75 L	"
7+00			159	4 9		Bulkh'd Line & Brk
			159	4.9		20 R
			41	16 7	29 L	Brk
			44	16 4	46 L	"
			8 0	12 8	53 L	"
8+00			16.2	4 6		Bulkh'd Line
			162	4.6		20 R
			162	4 6	6 L	Brk
			67	14 1	27 L	
			69	13 9	43 L	
			79	12 9	47 L	
TP	4.71	18 74	6 80	14 03		

DF

Profile Notes Rod. ____ Plotted ____ Job No. 0739.01 Division No. ____ 11 F.B. 2658 Pg. 173
No. ____ X-Sec. ____ Date ____ Date ____ Survey of Marina Bulkheads
No. ____ Notes Chkd. ____ Checked ____ Survey by English Notes Date 11-21-62
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

76L-298 CE 307 11-58

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV		
		18 74				
9+00			145	42		Bulkh'd Line
			145	42		20 R
			145	42	10 L Brk	
			44	143	27 L "	
			41	14.6	46 L "	
			58	129	53 L "	
10+00			146	41		Bulkh'd Line
			146	41		20 R
			146	41	5 L Brk	
			21	166	31 L "	
			25	162	47 L "	
			55	132	55 L "	
T.P.	406	2038	242	16.32	T.P. 10+ 35 off	
11+00			163	41		Bulkh'd Line
			163	41		20 R
			163	4.1	2 L Brk.	
			38	166	32 L	
			34	170	46 L	
			57	147	54 L	

D.F.

F.B. 2658 Pg. 174 Job No. 0739.01 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of Marina Bulkheads Date ____ Date ____ No. ____
Survey by English Notes Shoemaker Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed H. E. Ott Date ____ Date ____ No. ____

76L-298 CE 307 11-58

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
		20.38				
12+00			165	39		Bulkhd Line
			165	39		20 R
			165	39	5 L	Brk
			37	167	34 L	"
			36	168	49 L	"
			59	145	53 L	"
13+00			160	44		Bulkh'd Line
			160	44		20 R
			160	44	6 L	Brk
			36	168	31 L	"
			35	169	48 L	"
			56	148	51 L	"
T.P.	3.50	19.20	4.68	15.70		
14+00			147	45		Bulkh'd Line
			147	45		20 R
			147	45	5 L	Brk
			27	165	30 L	"
			28	164	43 L	"
			41	151	46 L	"

D.F.

Profile No. 0739.01 Division No. 11 F.B. 2658 Pg. 175
X-Sec. No.
Notes Red Date Plotted Date Job No. Survey of Marina Bulkheads
Notes Chkd. Date Checked Date Survey by English Notes E.S. Date 11-21-60
Map No. Indexed H. E. OTT Date

76L-298 CE 307 11-58

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV			
		19 20					
15+00			152	40			Bulkh'd Line
			152	40			20 R
			152	40	5 L	Brk	
			31	161	27 L	"	
			35	157	41 L	"	
			42	150	45 L	"	
16+00			149	43			Bulkh'd Line
			149	43			20 R
			149	43	3 L	Brk	
			25	167	26 L	"	
			34	158	45 L	"	
			39	153	49 L	"	
TP	5 13	20 06	4.27	14.93	T.P.		
17+00			145	56			Bulkh'd Line
			145	56			20 R
			145	56	6 L	Brk	
			25	176	28 L	"	
			33	168	46 L	"	
			37	164	50 L	"	

DF.

F.B. 2658 Pg. 176 Job No. 0739.01 Division No. 11 Notes Red Date Plotted Date No. Profile
Survey of Marina Bulkheads Notes E. Shoemaker Notes Chkd. Date Checked Date No. X-Sec.
Survey by English Date
Indexed H.E. Off

76L-298 CE 307 11-58

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STATION	B. S.	H. I.	F. S.	ELEV.			
		20.06					
18+00			150	51			Bulkh'd Line
			150	51			20 R
			150	51	4 L	Brk	
			23	178	29 L	"	
			38	163	51 L	"	
			38	163	60 L	"	
19 ± 00			150	51			Bulkh'd Line
			150	51			20 R
			150	51	6 L	Brk	
			29	172	38 L	"	
			29	172	60 L	"	
			29	172	70 L	"	
T.P	5 72	21 78	400	16.06	TP		
20+00			180	38			Bulkh'd Line
			180	38			20 R
			180	38	11 L	Brk	
			38	180	40 L	"	
			38	180	60 L	"	
21 ± 00			185	33			Bulkh'd Line
			185	33			20 R

D.F.

Profile Notes Red ____ Plotted ____ Job No. 0739.01 Division No. 11 F.B. 2658 Pg. 177
No. X-Sec. Date ____ Date ____ Survey of Marina Bulkhead
No. Notes Chkd ____ Checked ____ Survey by English Notes E.S. Date 11-21-60
Date ____ Date ____ Map No. ____ Index R. E. OTT Date ____

76L-298 CE 307 11-58

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Do not extend notes this side of this line.

F.B. 2658 Pg. 178 Job No. 0739-01 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of Marina Bulkheads Date ____ Date ____ No. ____ X-Sec. ____
Survey by Engluck Notes E. Shoemaker Notes Chkd. ____ Checked ____ No. ____
Indexed ____ Date ____ Date ____ Date ____

STATION	B.S.	H.I.	F.S.	ELEV		
		21.78				
21+00			180	38	5 L	Brk
			38	180	38 L	"
			3.4	184	50 L	"
TP	5.72	24.01	3.49	18.29	T.P.	
21+72.69 B			180	60		4 Bulkhd Line Side Slop-
			185	55		6 R 4pt bot brk
			190	50		20 R
			48	192	26 L	Brk
			53	187	60 L	"
Bulkhd Line Prod to W. 16'			4.4	196	23 L	4 pt Top brk
			44	19.6	35 L	
22+14.59 B			4.16	1985	Int 75' offset Lines	
21+30.79 A						
22+39.22 B			429	1972	Int 75' offset Line & 35' Offset Line	
21+77.76 A						
22+00 A			185	55		Bulkhd Line
			190	50		20 R
			170	70	3 L	Brk
			10.3	137	24 L	"
			99	141	38 L	"

D.F.

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.			
		24 01					
22+00			2.8	21 2	75° L	Brk	
TP	1.40	21.12	4.29	19.72			
22+42			20.2	38			Bulkhd Line
			21 0	3 0			20 R
			200	4 0	4 L	Brk	
			7 6	13 5	30 L	"	
			8 9	12 2	75 L	"	
T.P.	7 21	17 59	10.74	10.38			
23+00			139	3 7			Bulkhd Line
			143	3 3			20 R
			139	3 7	12° L	Brk	
			39	13 7	33 L	"	
			5 5	12 1	62 L	"	
			8 9	8 7	75 L	"	
24+00			134	4 2			Bulkh'd Line
			135	4 1			20
			134	4 2	6 L	Brk	
			5 2	12 4	30 L	"	
			2 0	15 6	39 L	"	
			3 4	14 2	65 L	"	

DF

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0739.01 Division No. 11 F.B. 2658 Pg. 179
Date ____ Date ____ Survey of Marina Bulkheads
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by English Notes E.S. Date 11-21-60
Date ____ Date ____ Map No. ____ Indexed H. E. OTI Date ____

76L-298 CE 307 11-58

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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8,26

STATION	B.S.	H.I.	F.S.	ELEV			
		17 59					
24+00			63	113	75 L	Brk	
TP	10 14	21 42	6.31	11 28	T.P.		
25+00			180	34			Bulkh'd Line
			180	34			20 R
			180	34	6 L	Brk	
			34	180	45 L	"	
			28	186	60 L	"	
			82	132	75 L	"	
26+00			178	36			Bulkh'd Line
			178	36			20
			178	36	13 L	"	
			28	186	43 L	"	
			28	186	60 L	"	
			769	1373	75 L	"	
27+00			180	34			Bulkh'd Line
			180	34	6 L	Brk	
			35	179	46 L	"	
			34	180	57 L	"	
T.P.	5 52	19 34	760	1382	75 L	"	

D.F.

F.B. 2658 PG. 180 Job No. 0739.01 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of Marina Bulkheads Date ____ Date ____ No. ____ X-Sec. ____
Survey by English Notes E. Shoemaker Notes Chkd. ____ Checked ____ No. ____
Indexed H. E. OIT Date ____ Date ____ Date ____ No. ____

76L-298 CE 307 11-58

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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STATION	B.S.	H.I.	F.S.	ELEV.		
		19 34				
28+00			133	60		Bulkh'd Line
			148	45		20 R
			133	60	9 L	Brk
			26	167	38 L	"
			25	168	52 L	"
			743	1191	75 L	"
28+77.28			11.7	7.6		Bulkh'd Cor Per Pg 43
			110	83		20 R
			108	85	17 L	Brk
			20	173	38 L	
			39	154	52 L	
			80	1131	75 L	
30+11.53 B	6 41	1920	655	1279	Int 75' Offset Lines Per Pg 43	
27+43.03 A						
TP	4 91	1985	426	1494		
B.M. M.D.R 68A			081	1904	B.M. M.D.R-68A EL. 19.04 F.B. 2649	

END

Profile Notes Red ____ Plotted ____ Job No. 0739.01 Division No. 11 F.B. 2658 Pg. 181
No. X-Sec. Date ____ Date ____ Survey of Warning Bulkheads
No. Notes Chkd. ____ Checked ____ Survey by English Notes E.S. Date 11-21-62
Date ____ Date ____ Map No. ____ Indexed H. E. OH Date ____

F. B. 2658 Pg. 182

Job No. _____ Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of _____ Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

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78L-298 CE 307 11-58

FGL-298 CE 307 11-58

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Bulkhd.	Line
Profile & X-Secs along So Side Basin "H" & East side Main Channel to End of Bulkhd.s. See: Pg. 45						
M.D.R. BM-62	9.13	21.56		12.43	M.D.R.-BM #62 EL 12.43	FB 2649-?
T.P.	4.77	22.28	4.05	17.51		
M.D.R. BM-61	9.80	22.18	9.90	12.38	M.D.R.-BM #61 EL 12.38	F.B. 2649-?
T.P.	5.03	26.02	1.19	20.99		
T.P.	5.95	21.14	10.83	15.19		
T.P.	1.30	18.73	3.71	17.43		
T.B.M. #1	3.62	20.93	1.42	17.31	T.B.M. #1	
					Fnd chisled cross on N.W Cor of Conc gas valve chamber For Location see FB 2658-45	
T.P.	3.19	18.69	5.43	15.50	1X2	
T.P.	4.94	20.06	3.57	15.12	1X2	
T.P.	3.44	17.40	6.10	13.96	1X2	
T.P.	5.17	17.94	4.63	12.77	1X2	
T.P.	4.58	19.72	2.80	15.14	1X2	
	2.28	17.99	4.01	15.71	1X2	
373+56.10	4.65	18.08	4.56	13.43	1X2 & N 30' Offset Line	
374 +			10.4	7.7		Bulkh'd Line
			10.4	7.7		15.8

Profile Notes Red ____ Plotted ____ Job No. 5X34-01 Division No. 11 F.B. 2658 183
No. X-Sec. Date ____ Date ____ Date ____ Survey of Marina Bulkhd.s
No. ____ Notes Chkd. ____ Checked ____ Survey by English Notes Eng. Date 12-15-60
Date ____ Date ____ Map No. ____ Indexed H. E. Ott Date NOV 6 '61

76L-296 CE 307 11-58

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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F.B. 2658 Pg. 184 Job No. 0739.01 Division No. 11 Notes Red ____ Plotted ____ Profile No. ____
Survey of Marina Bulkhds Date ____ Date ____ X-Sec. No. ____
Survey by English Notes Shoemaker Notes Chkd. ____ Checked ____
Indexed H. E. OTT Date ____ Date ____

STATION	B.S.	H.I.	F.S.	ELEV		
		18 .08				
374+			10 4	7.7	24 'L Brk	
			6.7	11 4	30 L Slope	
			2 4	15 7	38 L Brk	
			7 6	10 5	50 L Brk	
			7 6	10 5	60 L Gnd	
375+			10 6	7 5		Bulkh'd Line
			10 6	7 5		15 R
			10 6	7 5	15 L	
			10 6	7 5	20 L Brk	
			8 0	10 1	30 L Slope	
			3 8	14 3	41 L Brk	
			7 4	10 7	53 L Brk	
			7 4	10 7	60 L Gnd.	
376+			11 5	6 6		Bulkh'd Line
			11 6	6 5		15 R
			11 4	6 7	6 'L Brk	
			8 8	9 3	15 L	
			6 6	11 5	30 L Brk	
			1 5	16 6	42 L Brk	
			6 8	11 3	54 L Brk	

76L-298 CE 307 11-58

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
		18 08				
376+			68	11.3	60 L Gnd	
T.P.	319	18 90	237	15 71	1X2	
377+			129	60		Bulkh'd Line
			129	60		15 R
			127	62	15 L Brk	
			85	104	30 L Brk	
			26	163	42 L Brk	
			78	111	51 L Brk	
			79	110	60 L Gnd	
378+			129	60		Bulkh'd Line
			130	59		15 R
			129	60	15 L	
			126	63	22 L Brk	
			93	96	30 L Slope	
			31	158	43 L Brk	
			77	112	50 L Brk	
			77	112	60 L Gnd	
379+			133	56		Bulkhd Line
			133	56		15 R
			130	59	15 L	

D.E.

Profile No. X-Sec. No. Notes Red Date Notes Chkd. Date Plotted Date Checked Date Job No. 0739.01 Division No. 11 Survey of Marina Bulkh'ds Survey by English Notes E.S. Date 12-15-60 Map No. Indexed H. E. OTT Date

F.B. 2658 Pg. 185

76L-298 CE 307 11-58

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV		
		18 90				
379+			12 9	6 0	22 L Brk	
			11 5	7 4	30 L Brk	
			4 4	14 5	48 L Brk	
			7 7	11 2	54 L	
			7 9	11 0	60 L	
380+24.62 A 379+09.15 B	7 22	15 47	10 65	8 25	Int 30' Offset Line & 50' Offset Line	1X2 & N
———	8 89	15 21	9.15	6 32	50' Offset Line Prod to N. See Pg 45	
379+29			9 4	5 8		Bulkhd Line
			9 4	5 8		15 R
			9 3	5 9	15 L Brk	
			5 1	10 1	38 L Brk	
			0 4	14 8	52 L Brk	
			4 4	10 8	64 L Brk	
379+49.57 B 380+18.85 A			9 66	5 55	Bulkh'd Cor. S.W Cor. Basin H.	
380+63.			9 7	5 5		Bulkhd Line
"			9 9	5 3		15 R
"			9 3	5 9	15 L Brk	
"			+1.1	16 3	38 L Brk	
"			4.3	10 9	50 L Brk	
———	11 84	16 88	10.17	5 04	30' Offset Line Prod to W. See pg 45	

D.E.

F.B. 2658 Pg. 186 Job No. 0739.01 Division No. 11 Notes Red Plotted Profile
Survey of Marina Bulkh'ds Date Date No. X-Sec.
Survey by English Notes Shoemaker Notes Chkd. Checked
Indexed M.E. ON Date Date Date No.

76L-298 CE 307 11-58

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
		16 88				
381+			11.4	5 5		Bulkh'd Line
			11.4	5 5		15 R
			11 3	5 6	15L Brk	
			0 5	16 4	40L Brk	
			5 0	11 9	50L Brk	
			5 8	11 1	60L Gnd	
382 +			11 6	5 3		Bulkh'd Line
			11 8	5 1		15 R
			11 5	5 4	15L Brk	
			0 8	16 1	50L Brk	
			5 4	11 5	62L Brk	
			5 8	11 1	72L	
382+73.09	6 44	19.19	4 13	12 75	Int 50' Offset Line & ℄ Mole #1 1X2 & N.	
383 +			13 0	6 2		Bulkh'd Line
			13 0	6 2		15 R
			13 0	6 2	15L Brk	
			14 0	5 2	20L Brk	
			3 2	16 0	38L "	
			7 7	11 5	50L "	

DIF.

Profile Notes Red ____ Plotted ____ Job No. 0739.01 Division No. 11
No. ____ Date ____ Date ____ Survey of Marina Bulkh'ds
X-Sec. Notes Chkd. ____ Checked ____ Survey by English Notes E.S. Date 12-15-60
No. ____ Date ____ Date ____ Map No. ____ Indexed E. OTT Date ____

F.B. 2658 Pg. 187

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F.B. 2658 PG. 188 Job No. 0739.01 Division No. 11 Notes Red ____ Plotted ____ Profile No. ____
Survey of Marina Bulkh'ds Date ____ Date ____ X-Sec. No. ____
Survey by English Notes Shoemaker Notes Chkd. ____ Checked ____
Indexed H. E. OTT Date ____ Date ____ Date ____

STATION	B. S.	H. I.	F. S.	ELEV			
		19 19					
384 +			136	56			Bulkh'd Line
			140	52			15 R
			123	69	12 L	Brk	
			18	174	32 L	"	
			67	125	40 L	"	
			74	118	50 L		
385 +			146	46			Bulkh'd Line
			145	47			15 R
			134	58	15 L	Brk	
			30	162	36 L	"	
			63	129	45 L	"	
			66	126	50 L		
386 +			130	62			Bulkh'd Line
			130	62			15 R
			130	62	14 L	Brk	
			28	164	32 L	"	
			60	132	40 L	"	
			62	130	50 L		
T.P.	5 08	19 03	524	1395	T.P.	1X2	

D.F.

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STATION	B.S.	H.I.	F.S.	ELEV.			
		19 .03					
387 +			140	50			Bulkh'd Line
			140	50			15
			137	53	15 L		
			24	166	35 L		
			56	134	42 L		
			58	132	50 L		
388 +			137	53			Bulkh'd
			140	50			15 R
			139	51	15 L	Brk	
			13	177	34 L	"	
			52	138	40 L	"	
			56	134	50 L		
389 +			139	51			Bulkh'd Line
			140	50			15 R
			139	51	15 L	Brk	
			24	166	35 L	"	
			55	135	40 L	"	
			55	135	50 L		
TP	428	1939	392	1511	TP	1X2	

D.F.

Profile Notes Red ____ Plotted ____ Job No. 0739.01 Division No. 11 F.B. 2658 Pg. 189
No. X-Sec. Date ____ Date ____ Survey of Marina Bulkh'ds
No. ____ Notes Chkd ____ Checked ____ Survey by English Notes F.S. Date 12-27-62
Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

76L-298 CE 307 11-58

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F.B. 2658 Pg. 190 | Job No. 0739.01 | Division No. 11 | Notes Red ____ Plotted ____ Profile ____
Survey of Marina Bulkhds | Date ____ Date ____ No. ____ X-Sec. ____
Survey by English | Notes Shoemaker | Notes Chkd. ____ Checked ____ No. ____
Indexed B.E. Ott | Date ____ Date ____ Date ____

STATION	B. S.	H. I.	F. S.	ELEV			
		19 39					
390+			143	51			Bulkh'd Line
			145	49			15 R
			140	54	13 L	Brk	
			23	171	32 L	"	
			57	137	36 L	"	
			58	136	50 L		
391+			141	53			Bulkh'd Line
			143	51			15 R
			145	49	12 L	Brk	
			28	166	30 L	"	
			57	137	37 L	"	
			58	136	50 L		
392+			142	52			Bulkh'd Line
			142	52			15 R
			142	52	15 L		
			142	52	17 L	Brk	
			1.6	178	34 L	"	
			58	136	40 L	"	
			57	137	50 L		

P.F.

76L-298 CE 307 11-58

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

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

389

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
		19 39				
393+			142	52		Bulkh'd Line
			144	50		15 R
			141	53	15 L Brk	
			23	171	33 L "	
			57	137	42 L "	
			59	135	50 L	
394 +			146	48		Bulkh'd Line
			146	48		15 R
			138	56	13 L Brk	
			14	180	34 L "	
			60	134	45 L "	
			60	134	50 L	
T.P. 395?	4 25	19 75	389	15 50		
			150	47		Bulkh'd Line
			150	47		15 R
			150	47	11 L Brk	
			07	190	31 L "	
			61	136	41 L "	
			61	136	50 L	

D.F.

Profile Notes Red ____ Plotted ____ Job No. 0739.01 Division No. 11 F.B. 2658 Pg. 191
No. ____ Date ____ Date ____ Survey of Marina Bulkh'ds
X-Sec. Notes Chkd. ____ Checked ____ Survey by English Notes E.S. Date 12-27-60
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

76L-298 CE 307 11-58

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV		
		19 75				
396+03.78			13 4	6 3		Bulkh'd Line End
			13 5	6 2		15°
			11.3	8 4	15 L Brk	
			4 0	15 7	23 L "	
			2 5	17 2	35 L "	
			7 6	12 1	45 L	
			6 31	13 44	50 L 1X2	
TBM #1	4 60	21 90	2 45	17 30	T.B.M. #1 EL 17.31	
					Fnd chisled cross on N.W. Cor of Conc	
					gas valve chamber For Location see	
					FB 2658 -45-183	
T.P.	4 75	22 55	4.10	17 80		
TP	1 39	22 27	1 67	20 88		
TP	6 82	19.80	9 29	12 98		
BM.M.D.R-61			7.42	12 38	BM. M.D.R.-61, EL 12.38,	FB 2649-183

P.F.

F.B. 2658 Pg. 192
Job No. 0739.01 Division No. 11 Notes Red Plotted Profile
Survey of Marina Bulkh'ds Date Date No. X-Sec.
Survey by English Notes Shoemaker Notes Chkd. Checked
Indexed H. L. Oil Date Date Date No.

Notes Ck'd by	Survey of Marina Del Rey	F. B. 2658 Pg. 193
Map No.	JN 0739.01 Tape Std °F	
Office Work	Surveyed by W.S. Cowherd	
Checked	Notes W.S.C Date 12-27-60	
Date	Indexed MAR 6 '61	

MARINA BULKHEADS

JN 0739.01

SPECIAL TRANSIT TOPO. OF STA. 0+00
START OF BULKHEADS

NOTE
SEE PAGE #44 FOR BULKHEAD LINE

PARTY
W.S. COWHERD
R. STRADER
B. CARLANDER
B. JACKSON

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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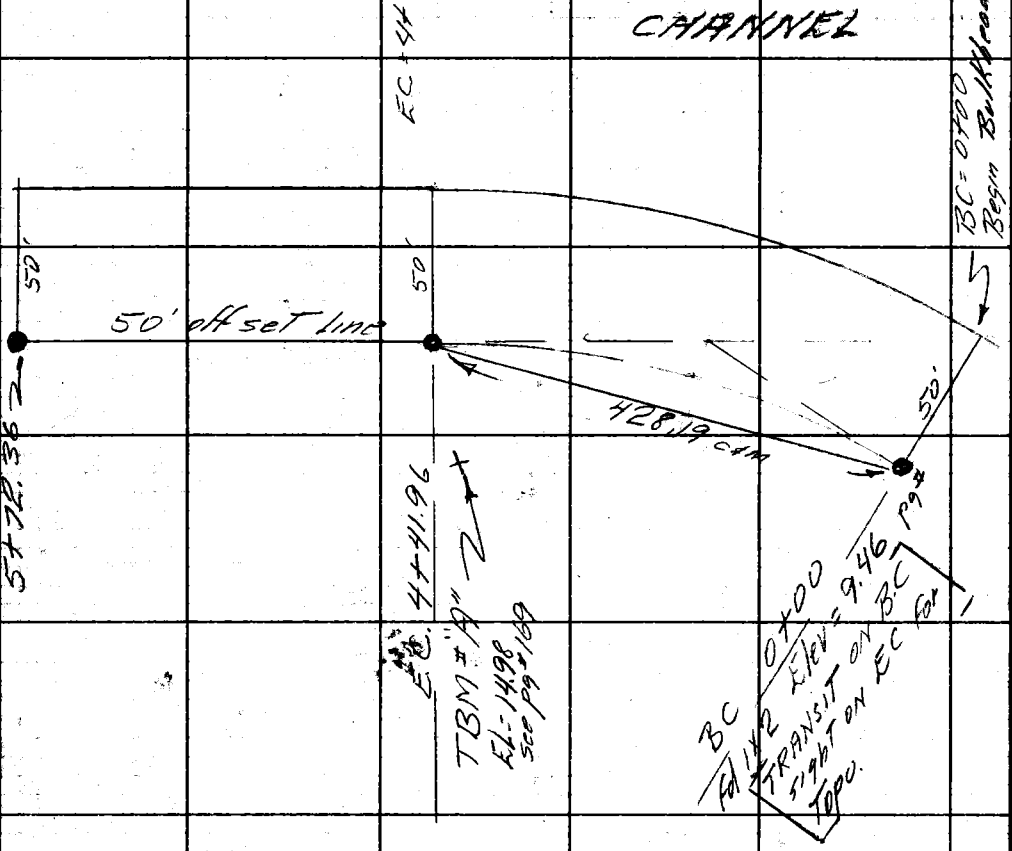
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S S&E #247 11-58

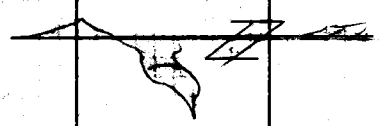
F. B. 2658 Pg. 194

INDEX

MAIN CHANNEL



50' offset
Δ = 14°28'12"
R = 1700.00
L = 429.33



Elevs from TBM "A" to BC 0+00

TBM # A	14.98	9.48
	+ 5.14	+ 10.60
HI	20.12	20.08
	− 10.64	− 5.12
EL. BC 0+00	= 9.48	14.98 chek

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700 Los Angeles County Engineering Bldg.

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Form 301 10M 3-34

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Transit at	Sight on	Stadia Intercepts	Stadia Distance	Stadia Rod—	Horizontal Angle 0° to 360° Right	Horiz. Distance	+ − Vertical Angle	Elevation of Point	+ Back Sight	+ − Difference Elevation	Height of Instrument	+ − Vertical Distance	REMARKS Station	Left	Right
BC	EC				° ′ ″		° ′ ″	95	48		143				
0+00	4+41.96	4.89							1						
50' off set line		4.00	89	4 4	4 38		+ 2 31		2						
		1.98											West edge const. road		
	2	1.00	98	1 5	17 29		+ 0 31		3						
		11.13											East edge road (Top Fill)		
	3	10.00	113	10 6	30 18		− 1 45		4						
		11.19											Bot. Fill (West side ditch)		
	4	10.00	119	10 6	40 38		− 1 24		5						
		10.23											Bot. East side ditch		
	5	9.00	123	9 7	42 25		− 0 00		6						
		10.60											Top of ditch. E. side		
	6	9.00	160	9 7	54 45		0 00		7				Top of cut. West side channel		
		11.60													
	7	10.00	160	11 8	55 00		− 0 00		8						
		11.37											Brk (in water)		
	8	10.00	137	12 1	68 42		− 0 00		9						
		10.35											Brk (in water)		
	9	9.00	135	9 2	68 46		− 0 00		10						
		12.30											Top of cut		
	10	11.00	130	12 4	70 47		− 0 00		11						
		9.27											Brk (in water)		
	11	8.00	127	9 9	70 10		− 0 00		12						
		11.74											Top of cut		
	12	11.00	74	11 9	66 15		− 0 00		13						
		9.74											Brk (in water)		
	13	9.00	74	9 7	65 30		− 0 00		14						
		11.65											Top of cut		
	14	11.00	65	11 8	71 50		− 0 00		15						
		9.66											Brk (in water)		
	15	9.00	66	9 1	70 31		− 0 00		16						
		10.30											Top of cut		
	16	10.00	30	11 3	82 44		− 0 00		17						
		7.25											Brk (edge water)		
	17	7.00	25	7 4	81 20		− 0 00		18				Top of cut		
		9.02											Top of Ditch		
	18	8.00	102	9 7	54 16		− 0 00		19				S.E. COR		
		12.03							20						
	19	11.08	103	11 5	48 13		− 1 38		21				Bot of ditch		
		5.55											Top of ditch		
	20	8.00	85	10 5	37 00		− 0 00								

Notes Red. ____ Notes Chkd. ____ Checked ____ Date ____ Plotted ____ Date ____ Date ____ Job No. 07-8-8 Survey of ____ Survey by ____ Recorded ____ Notes ____ Date 12-27-89 Page ____ Map No. ____

KEPPEL Inform.

Form 301 10M 3-34

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Transit at	Sight on	Stadia Intercepts	Stadia Distance	Stadia Rod—	Horizontal Angle 0° to 360° Right	Horiz. Distance	+ − Vertical Angle	Elevation of Point	+ Back Sight	+ − Difference Elevation	Height of Instrument	+ − Vertical Distance	REMARKS Station	Left	Right
BC.	EC						−	9 5	1 48		14 3				
	21	10.88 / 10.00	88	10 4	37 52		− 2 02		2				BOT. Ditch SW. COR		
	22	1.74 / 1.00	74	1 4	25 04		+ 0 53		3				EAST SIDE CONST ROAD (Top of fill)		
	23	1.42 / 1.00	42	1 2	7 48		+ 2 19		4				EAST SIDE Const. Road		
	24	5 25 / 5 00	25	5 3	25 35		− 0 00		5				Brk		
	25	11.44 / 11.00	44	11 6	120 30		− 0 00		6				Brk (in water)		
	26	6.36 / 6.00	36	6 5	125 40		− 0 00		7				Top cut		
	27	11 57 / 11.00	57	11 6	143 19		− 0 00		8				Brk (waters edge)		
	28	7.49 / 7.00	49	7 3	151 21		− 0 00		9				Top cut		
	29	11.75 / 11.00	75	11 8	150 42		− 0 00		10				Brk in water		
	30	12 12 / 11.00	112	11 7	159 15		− 0 00		11				Brk in water		
	31	1 71 / 1.00	71	1 4	173 54		+ 3 04		12				Top fill East side Const road		
	32	5.05 / 4.00	105	4 5	175 49		+ 3 44		13				" " " " " "		
	33	4.05 / 3.00	105	3 5	187 10		+ 3 03		14				" " West " " "		
	34	2.62 / 2.00	62	2 3	207 43		+ 4 22		15				" " " " " "		
	35	1.45 / 1.00	45	1 2	200 31		+ 4 50		16				" " East " " "		
	36	1.27 / 1.00	27	1 1	303 25		+ 7 00		17				" " " " " "		
	37	3.48 / 3.00	48	3 2	302 52		+ 6 04		18				" " West " " "		
	38		10	4 1	300 25		− 0 00		19				Brk		
	39	3 35 / 3.00	35	3 0	189 10		− 0 00		20				Brk		
	40	5 63 / 5.00	63	5 1	167 36		− 0 00		21				Brk		

Add'n'l Inform.

F.B. 2658 Pg. 196

Topography Description Legend: Side Hill....S.H. Side of Draw.S.D. Side of Ridge.S.R. Head of Draw H.D. Bottom Draw.B.D. Bottom Wash B.W. Top of Ridge.T.R. Toe of Slope..T.S.

Inters. of Draws.V.D's Break in Slope..Bk.S. Steep Slope.....S.S. Top of Cliff.....T.Cl. Bottom of Cliff..B.Cl. Top of Spur.....T.Sp. Bottom Canyon..B.Cn.

Side of Canyon B.Cn. Top of Bank..T.B. Bottom of Bank.B.B. Top of Cut.....T.C. Bottom of Cut..B.C. Top of Fill.....T.F. Bottom of Fill.B.F.

Saddle .....Sa. Swale .....Sw. Flat .....Fl. Stream .....Str. Trail .....Tr. Pavement .....Pvt. Edge of Road E.Rd.

Traveled Rd. Tr.Rd. Fence .....Fn. Int. Fences.V.Fns. Ditch .....Dt. Telephone Pole T.P. Power Pole....P.P. Culvert .....Cul.

Oak-O. Fir-Fr. Pine-Pi. Cedar-Cd. Sycamore .....Sy. Eucalyptus .....Eu. Plus combinations of those and all common standard abbreviations.

Form 391 15M 3-54

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Transit at	Sight on	Stadia Intercepts	Stadia Distance	Stadia Rod—	Horizontal Angle 0° to 360° Right	Horiz. Distance	+ — Vertical Angle	Elevation of Point	+ Back Sight	+ — Difference Elevation	Height of Instrument	+ — Vertical Distance	REMARKS Station	Left	Right
BC	EC				° '		° '	95	1 48		143				
00+00	444196	16.54			° '		° '		2						
50' off of line		16.00	54	16 2	93 57		0 00						IN WATER		
		14.80							3						
	42	14.00	80	14 4	129 18		2 11						"	"	
		16.15							4						
	43	15.00	115	15 6	144 32		0 54						"	"	
		15.50							5						
	44	14.00	150	14 8	132 04		1 48						"	"	
		15.20							6						
	45	14.00	120	14 6	96 00		3 29						"	"	
		15.95							7						
	46	15.00	95	15 5	82 22		3 52						"	"	
		14.51							8						
	47	13.00	151	13 7	76 49		3 44						"		
		15.72							9						
	48	14.00	172	14 9	62 19		2 45						"		
		15.63							10						
	49	14.00	163	14 8	98 19		2 55								
		14.02							11						
	50	12.00	202	13 0	116 29		2 50								
									12						
									13						
									14						
									15						
									16						
									17						
									18						
									19						
									20						
									21						

Notes Red. ____ Plotted ____
Book ____ Page ____
Notes Chkd. ____ Checked ____
Date ____ Date ____
Computed ____ Notes ____
Indexed ____ Date 12-27-63
Date ____

LB 2658 PG 187

Form 301 10M 3-34

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Transit at	Sight on	Stadia Intercepts	Stadia Distance	Stadia Rod—	Horizontal Angle 0° to 360° Right	Horiz. Distance	+ — Vertical Angle	Elevation of Point	+ Back Sight	+ — Difference Elevation	Height of Instrument	+ — Vertical Distance	REMARKS Station	Left	Right
					° ′		° ′		1						
					° ′		° ′		2						
					° ′		° ′		3						
					° ′		° ′		4						
					° ′		° ′		5						
					° ′		° ′		6						
					° ′		° ′		7						
					° ′		° ′		8						
					° ′		° ′		9						
					° ′		° ′		10						
					° ′		° ′		11						
					° ′		° ′		12						
					° ′		° ′		13						
					° ′		° ′		14						
					° ′		° ′		15						
					° ′		° ′		16						
					° ′		° ′		17						
					° ′		° ′		18						
					° ′		° ′		19						
					° ′		° ′		20						
					° ′		° ′		21						

Add'n'l Inform.

F.B. 2658 PG. 198

Topography Description Legend:
Side Hill....S.H. Bottom Draw.B.D.
Side of Draw.S.D. Bottom Wash B.W.
Side of Ridge.S.R. Top of Ridge.T.R.
Head of Draw H.D. Toe of Slope..T.S.

Inters. of Draws.V.D's
Break in Slope..Bk.S.
Steep Slope.....S.S.
Top of Cliff.....T.Cl.
Bottom of Cliff..B.Cl.
Top of Spur.....T.Sp.
Bottom Canyon..B.Cn.

Side of Canyon S.Cn.
Top of Bank..T.B.
Bottom of Bank.B.B.
Top of Cut.....T.C.
Bottom of Cut..B.C.
Top of Fill.....T.F.
Bottom of Fill.B.F.

Saddle .....Sa.
Swale .....Sw.
Flat .....Fl.
Stream .....Str.
Trail .....Tr.
Pavement ....Pvt.
Edge of Road E.Rd.

Traveled Rd. Tr.Rd.
Fence .....Fn.
Int. Fences.V.Fns.
Ditch .....Dt.
Telephone Pole T.P.
Power Pole...P.P.
Culvert .....Cul.

Oak-O. Fir-Fr.
Pine-Pi. Cedar-Ce.
Sycamore .....Sy.
Eucalyptus .....Eu.
Plus combinations of these and all common standard abbreviations.

Notes Ck'd by	Survey of Marina Del Rey	F. B. 2658 PG. 199
Map No.	JN 0739.01 Tape Std °F	
Office Work	Surveyed by W.S. Cowherd	
Checked	Notes W.S.C. Date 12-27-60	
Date	Indexed H. E. Ott MAR 6 '61	

MARINA BULKHEADS

JN 0739.01

SPECIAL TRANSIT TOPO. OF STA 396+03.78
END OF BULKHEADS

NOTE
SEE PAGE #45 FOR BULKHEAD LINE

PARTY
W.S. COWHERD
R. STRADER
B. CARLANDER
B. JACKSON

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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700 LOS ANGELES COUNTY ENGINEERING BLDG.

78F3095 SAE #247 11-58

F. B. 2658 PG. 200

INDEX

382+73.09 = PT "B"
Fd 1x2
SEE Pg #45

1330.69

BULKHEAD LINE

End of Bulkhead
396+03.78 = PT "A"
Fd 1x2 Elev: 6.46
see pg #45

ESTABLISHMENT OF ELEV. ON STA. 396+03.78

T.B.M #1 = 17.31
+ 0.57
17.88
− 11.42
6.46 = Elev STA 396+03.78

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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Form 301 10M 3-34

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700 HALL OF RECORDS

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

Transit at	Sight on	Stadia Intercepts	Stadia Distance	Stadia Red—	Horizontal Angle 0° to 360° Right	Horiz. Distance	+ — Vertical Angle	Elevation of Point	+ Back Sight	+ — Difference Elevation	Height of Instrument	+ — Vertical Distance	REMARKS Station	Left	Right
PT A	PT B				° '		° '	65	1 49		114				
		12.36							2						
1		12.00	36	12 0	208 16		0 00						IN WATER		
		13.98							3						
2		13.00	98	13 8	201 04		0 00						"	"	
		14.25							4						
3		13.00	125	15 7	218 35		0 00						"	"	
		13.65							5						
4		13.00	65	13 3	243 37		4 51						"	"	
		15.55							6						
5		15.00	55	15 3	288 13		3 30						"	"	
		16.80							7						
6		16.00	80	16 4	315 23		0 00						"	"	
		13.59							8						
7		13.00	59	13 6	318 52		0 00						"	"	
		16.34							9						
8		16.00	34	16 2	244 44		1 56						"	"	
		13.22							10						
9		12.00	122	12 6	313 03		2 54						"	"	
		16.00							11						
10		15.00	100	15 5	271 44		2 42						"	"	
		16.11							12						
11		15.00	110	15 5	240 44		2 45						"	"	
		8.12							13						
12		7.00	112	8 8	323 45		0 00						Brk in water		
		5.12							14						
13		4.00	112	5 4	324 45		0 00						Top cut		
		7.96							15						
14		7.00	96	7 3	356 42		0 00						in flat		
		8.88							16						
15		8.00	88	8 9	322 00		0 00						Brk in water		
		6.91							17						
16		6.00	91	6 3	323 55		0 00						Top cut		
		6.63							18						
17		6.00	63	6 9	357 40		0 00						in flat		
		8.65							19						
18		8.00	65	8 6	331 38		0 00						Brk in water		
		6.65							20						
19		6.00	65	5 9	332 50		0 00						Top cut		
		9.39							21						
20		9.00	39	8 2	322 56		0 00						Brk in water		

Date ____ Notes Chkd. ____ Checked ____ Date ____ Miss Rb. ____ Indexed ____ Notes ____ Date ____

Notes Red. ____ Plotted ____ Date ____ Survey of Marina Del Rey Survey by R. R. CONNERS Job No. 0191 Division No. ____ Notes M.S.C. Date 12-27-60 Date NOV 6 '61

F.B. 2465 PG. 28A

Form 301 Interim.

F.B. 2[illegible] Pg. 202

Topography Description Legend:

Side Hill....S.H. · Side of Draw S.D. · Side of Ridge S.R. · Nose of Draw N.D. · Bottom Draw B.D. · Bottom Wash B.W. · Top of Ridge T.R. · Toe of Slope T.S. · Intersection of Draws V.D's · Break in Slope Bk.S. · Steep Slope S.S. · Top of Cliff T.Cl. · Bottom of Cliff B.Cl. · Top of Spur T.Sp. · Bottom Canyon B.Cn. · Side of Canyon S.Cn. · Top of Bank T.B. · Bottom of Bank B.B. · Top of Cut T.C. · Bottom of Cut B.C. · Top of Fill T.F. · Bottom of Fill B.F. · Saddle Sa. · Swale Sw. · Flat Fl. · Stream Str. · Trail Tr. · Pavement Pvt. · Edge of Road E.Rd. · Traveled Rd. Tr.Rd. · Fence Fn. · Int. Fence V.Fns. · Ditch Di. · Telephone Pole T.P. · Power Pole P.P. · Culvert Cul. · Oak-O. · Fir-Fr. · Pine-Pi. · Cedar-Cd. · Sycamore Sy. · Eucalyptus Eu. · Plus combinations of these and all common standard abbreviations.

Form 301 10M 3-34

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Transit at	Sight on	Stadia Intercepts	Stadia Distance	Stadia Rod	Horizontal Angle 0° to 360° Right	Horiz. Distance	+ / −	Vertical Angle	Elevation of Point	+ Back Sight	+ / − Difference Elevation	Height of Instrument	+ / −	Vertical Distance	Remarks Station	Left	Right
PT A	PT B								6.5	4.9		11.4					
21		5.37 / 5.00	37	5.6	324°08'		−	0°00'							Top cut		
22		10.21 / 10.00	21	10.0	234°08'		−	0°00'							Brk in water		
23		6.19 / 6.00	19	5.9	234°08'		−	0°00'							Top Cut		
24			12	8.5	182°38'		−	0°00'							Brk		
25			12	5.8	182°38'		−	0°00'							Top Cut		
26		7.50 / 7.00	50	8.6	185°01'		−	0°00'							Brk in water		
27		6.52 / 6.00	52	6.0	182°52'		−	0°00'							Top cut		
28		8.92 / 8.00	92	8.8	186°41'		−	0°00'							Brk in water		
29		6.92 / 6.00	92	6.8	185°00'		−	0°00'							Top cut		
30		3.67 / 3.00	67	3.3	158°31'		+	5°24'							Brk		
31		1.95 / 1.00	95	1.5	165°55'		+	2°27'							Brk		
32		9.85 / 9.00	85	9.4	140°16'		+	8°35'							in flat		
33		8.64 / 8.00	64	8.3	139°24'		+	8°49'							Brk		
34		3.59 / 3.00	59	3.3	143°04'		+	8°22'							Top fill & Brk		
35		9.49 / 9.00	49	9.2	117°15'		+	13°07'							Brk		
36		11.74 / 11.00	74	14.4	103°43'		+	13°40'							in flat		
37		1.30 / 1.00	30	1.1	100°32'		+	16°27'							Top fill & Brk		
38		3.13 / 3.00	13	3.0	90°48'		−	0°00'							Brk		
39		5.19 / 5.00	19	4.5	160°24'		−	0°00'							Brk		
40		1.82 / 1.00	82	1.2	71°10'		+	11°25'							Top fill & Brk		

Profile No.	Notes Red	Plotted	Job No. 0739.01	Division No. 11	F.B. 2658 Pg. 203
	Date	Date	Survey of Marina Del Rey		
X-Sec. No.	Notes Chkd.	Checked	Survey by English	Notes Ed.	Date 1-12-61
	Date FEB 1961	Date	Map No.	Indexed ~~H. E. Ott~~	Date FEB 3 '61

MARINA DEL REY

J.N. 0739.01

CROSS-SECTIONS
OF
BEACH SAND
STOCK PILE
FOR
WEST END
BASIN "D"

Jan. 12, 1961
English
Shoemaker
Foulger
Dupuis
Tollison

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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700 LOS ANGELES COUNTY ENGINEERING BLDG.

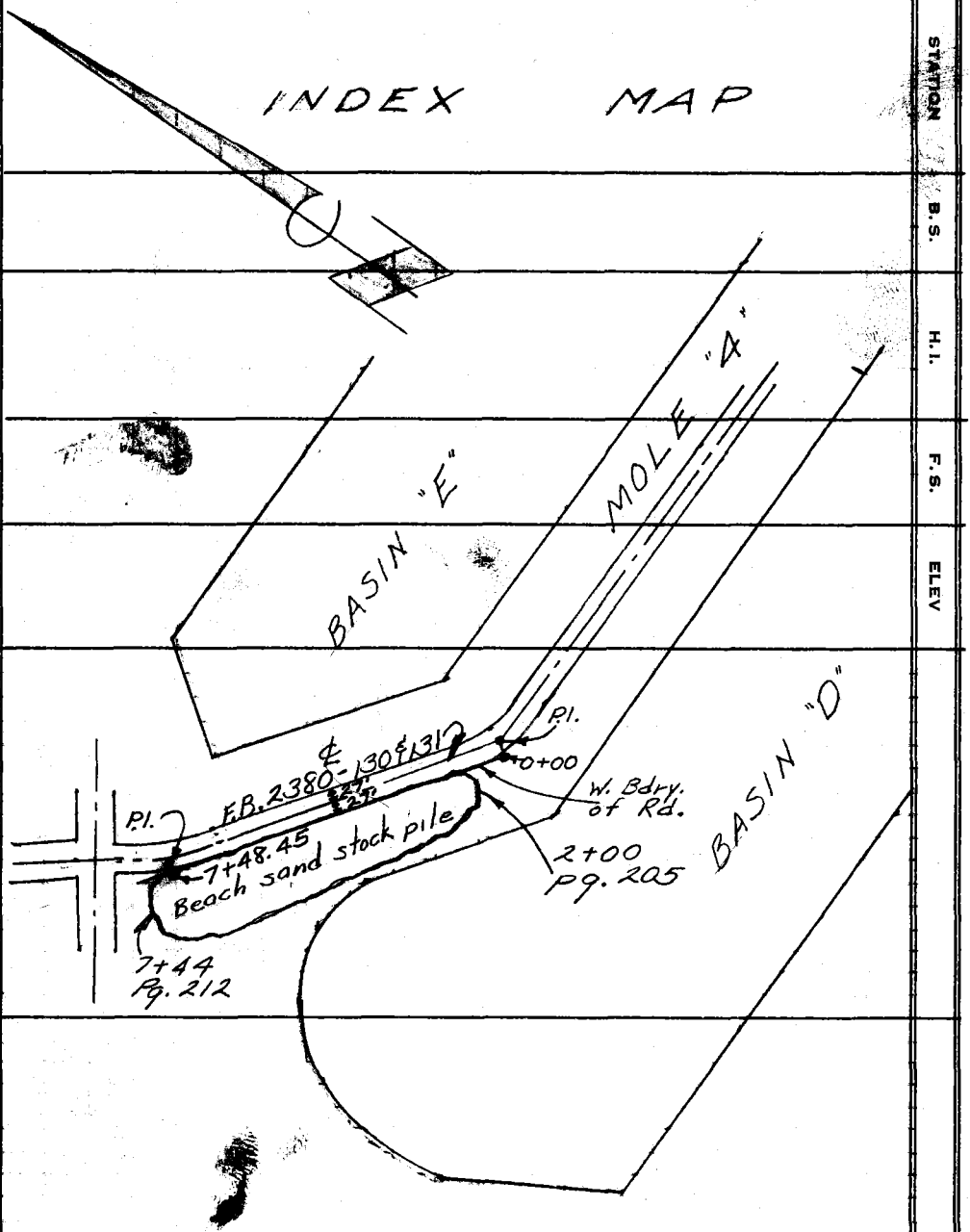
765-288 CE 307 11-58

F. B. 2658 Pg. 204 | Job No. 0739.01 | 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 H. E. Ott | Date | Date | Date | No.



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

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76L-298 CE 307 11-58

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.		
	5 72	15 72 ✓		10.00 ✓	Top Conc. bulkh'd wall, W. end basin "E", el=10.00	
T.P.	9 13	23.93 ✓	0 92	14 80 ✓		
1+50			12 1	11 8 ✓	W. B'ndry	Rd Pg 204
			11 5	12 4 ✓	Dirt fill	7° R brk
			12 9	11 0 ✓		24 R "
			12 1	11 8 ✓		47 R " bot
			8 0	15 9 ✓	13° L Brk	
			7 7	16 2 ✓	29° L "	Dirt fill
			13.6	10 3 ✓	41.5 L " bot	
2+00			6 1	17 8 ✓	W. Bndry	Rd Pg 204
			6 4	17 5 ✓	Dirt fill	10.5 Brk
			15 6	8 3 ✓		29° Bot bot fill
			8.5	15 4 ✓	7° L Bot Dirt slope	start sand fill
			11.8	12 1 ✓	50° L Top " fill	" " "
			14.4	9 5 ✓	59.5 L Bot " "	
2+50			6 9	17 0 ✓	W. B'ndry	Rd Pg 204
			4.6	19 3 ✓		3.5 R Brk
			4.6	19 3 ✓	Dirt fill	15.5 R Brk
			14 3	9 6 ✓		31° R Bot Brk
			9 0	14 9 ✓	3.7 L Bot Dirt slope	Bot Sand slope

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0739.01 Division No. 11 F.B. 2658 Pg. 205
X-Sec. No. ____ Date ____ Date ____ Survey of Marina Del Rey
Notes Chkd. Miller Checked ____ Survey by English Notes E/S Date 1-12-61
Date Feb 1961 Date ____ Map No. ____ Indexed H. E. OTT Date ____

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV		
		.23 93				
2+50			56	183	16 L Brk	Sand fill
			45	194	60 L Brk	
			121	118	68 L Brk	Bot Sand. Top dirt fill
			141	98	76 L Bot brk.	Bot dirt fill
3+00			5.5	184	W. Bndry Rd Pg 204	
			4.0	199		1.5 R Brk
			41	198		15° R Brk
			13.9	60.0	Dirt fill	29° R Bot Brk
			107	132	45 L Bot Dirt Slope	Bot Sand slope
			+50	28.9	26° L Brk	
			+44	283	58° L Brk	Sand fill
			14.1	9.8	84° L Bot Brk	
3+50			51	188	W. Bndry Rd Pg 204	
			39	200		1° R Brk
			3.9	200		14° R "
			14.4	95	Dirt fill	29.5 R Bot Brk
			75	164	4.5 L Bot Dirt Slope.	Bot Sand Slope
			+100	339	30 L Brk	
			+9.6	335	59 L Brk	Sand Fill
			135	104	88.5 L Bot Brk	

✓ ED

F.B. 2658 Pg. 206 Job No. 0739.01 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of Marina Del Rey Date ____ Date ____ No. ____ X-Sec. ____
Survey by English Notes E. Shoemaker Notes Chkd. ____ Checked ____ No. ____
Indexed H.E. OD Date ____ Date ____ Date ____

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STATION	B.S.	H.I.	F.S.	ELEV.	
		23.93			
4+00			42	197	Dirt fill W. Boundry Rd - Pg 204 Top brk
			35	204	13° R Top brk
			149	90	30° R Bot brk
			82	157	6° L. Bot dirt slope, Bot sand slope
			+9.3	332	28° L Brk
			+90	329	62.5 L Brk
			13.6	103	90.5 L Bot brk
4+50			50	[illegible]	W Boundry Rd Pg 204
			35	204	2° R Brk
			35	204	15° R "
			150	89	Dirt fill 29° R Bot brk
			7.0	169	45 L Bot Slope dirt & Bot Slope sand
			+7.5	31.4	24.5 L Brk
			+7.5	31.4	62° L Brk
			13.6	10.3	87.4 L Bot brk
5+00			54	185	W. Bndry Rd Pg 204
			30	209	3° R Top brk
			34	205	14.5 R " "
			156	83	Dirt fill 33° R Bot brk
			80	159	40 L Bot slope dirt & Bot Slope sand

Sand fill

Sand fill

Profile Notes Red ____ Plotted ____ Job No. 0739.01 Division No. 11 F.B. 2658 Pg. 207
No. X-Sec. Date ____ Date ____ Survey of Marina Del Rey
Notes Chkd. Miller Checked ____ Survey by English Notes E.S.L. Date 1-12-61
No. ____ Date Feb 1961 Date ____ Map No. ____ Indexed H.E. Ott Date ____

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F.B. 2658 Pg. 208 | Job No. 0739.01 | Division No. 11 | Notes Red ____ Date ____ Plotted ____ Date ____ Profile No. ____
Survey of Marina Del Rey | Notes Chkd. ____ Date ____ Checked ____ Date ____ X-Sec. No. ____
Survey by English Notes E. Shoemaker
Indexed H. E. Ott Date ____

STATION	B.S.	H.I.	F.S.	ELEV		
		23 93				
5+00			+6.5	304	22.5° L	Brk
			+5.2	29.1	62.5° L	Brk
			13.6	103	86° L	Bot brk
5+50			5.4	18.5		W. Bndry Rd Pg 204
			3.6	203		3° R Top brk
			3.5	204		16° R " "
			15.7	8.2		33° R Bot "
			7.7	16.2	4° L	Bot dirt slope & Bot sand slope
			+5.9	29.8	22° L	Brk
			+3.9	27.8	38° L	"
			+0.4	24.3	72° L	"
			13.3	10.6	89° L	Bot brk
5+77°			5.1	18.3		W. Bndry Rd. Pg 204
			7.6	16.3	4° L	Bot slope dirt & Bot slope sand
			+5.0	28.9	22° L	Brk
			+4.2	28.1	37° L	"
			+1.3	25.2	47° L	"
			0.7	23.2	77° L	"
			13.3	10.6	91° L	Bot brk 4 pt
6+00			5.0	18.9		W. Bndry Rd Pg 204

Dirt fill

Sand fill

Sand fill

Sand fill

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.		
		23 93				
6+00			3 5	204		2° R Top brk
			3 3	206	Dirt fill	16° R " "
			11.7	122		31° R Bot "
			7 0	169	3° L	Bot slope dirt & Bot slope sand
			+4.3	282	20° L	Brk
			+3 5	274	45° L	"
			0 0	23.9	54° L	"
			2 0	21 9	81° L	" Sand fill
			13 3	10.6	114° L	Bot brk ahead
			13 3	10.6	143° L	" " " end
6+08			5 0	189		W. Bndry Rd Pg 204
			7 0	169	3° L	Bot Slope dirt & Bot Slope sand
			+3.7	276	20 L	Brk
			+3 5	274	45 L	"
			12	227	64 L	" Sand fill
			5.6	183	114 L	Top brk ahead
			10.0	13.9	143 L	" " " end
6+25			4 8	191		W. Bndry Rd Pg 204
			6.3	176	30 L	Bot Slope dirt & Bot slope sand
			+3 3	27.2	20 L	Brk

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0739.01 Division No. 11
X-Sec. No. ____ Date ____ Date ____ Survey of Marina Del Rey
Notes Chkd. Miller Checked ____ Survey by English Notes F.S. Date 1-12-61
Date Feb. 1961 Date ____ Map No. ____ Indexed H. E. Ott Date ____

F.B. 58 Pg. 29

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV		
		23 93 ✓				
6+25			+30	26 9 ✓	45° L	Brk
			3.8	20 1 ✓	90° L	Top brk 4 pt
			6 0	17 9 ✓	114 L	" " ahead Sand fill
			10 0	13 9 ✓	143 L	" " " end
6+32			4 2	19 7 ✓		W. Bndry Rd Pg 204
			5.7	18 2 ✓	4° L	Bot slope dirt & Bot slope sand
			+2.7	26 6 ✓	17° L	Brk
			+3.3	27 2 ✓	45° L	"
			4.3	19 6 ✓	90° L	" Sand fill
			11.8	12 1 ✓	104° L	Bot Slope ahead 4 pt
			11 9	12 0 ✓	143° L	" " " end
6+50			4 2	19 7 ✓		W. Bndry Rd Pg 204
			3 1	20 8 ✓		1.5 R Top brk
			2 9	21 0 ✓		15° R " "
			13 7	10 2 ✓	Dirt fill	32° R Bot brk
			5 7	18 2 ✓	4° L	Bot slope dirt & Bot slope sand
			0.3	23 6 ✓	17° L	Brk
			+1.6	25 5 ✓	32° L	"
			1.8	22 1 ✓	92° L	"
			11 6	12 3 ✓	104° L	Bot brk Sand fill

Survey of Marina Del Rey
Survey by English Notes E. Shoemaker
Indexed H. E. [illegible] Date
Job No. 0739.01 Division No. 11
Notes Red Date
Notes Chkd. Date
Plotted Date
Checked Date
Profile No.
X-Sec. No.

2658 Pg. 210

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.		
		23.93				
7+00			3.6	20.3	W. Bndry Rd Pg 204	Bot slope sand fill Begin Dirt fill to right
			3.3	20.6		18° R Brk
			17.0	6.9 ?	Dirt fill	38° R
			1.7	22.2	8° L Brk	
			+3.5	27.4	48° L Brk	Sand fill
			+3.4	27.3	90° L Brk	
			11.5	12.4	112° L Bot brk	
7+16			3.0	20.9	W. Bndry Rd Pg 204	Bigin sand fill left " dirt " right
			2.7	21.2	8.5° L Brk	
			+0.7	24.6	48° L "	Sand fill
			+3.3	27.2	87.5° L "	
			11.5	12.4	111° L Bot brk	
7+25			3.3	20.6	W. Bndry Rd Pg 204	Begin sand fill left " dirt fill right
			3.0	20.9	14° L 4 pt top brk	
			+2.2	26.1	68° L 4 pt " "	Sand fill
			8.2	15.7	104° L Bot slope back	
			11.5	12.4	112° L Bot brk	
7+40			3.6	20.3	W. Bndry Rd Pg 204	
			3.6	20.3	4° L Brk	
			7.9	16.0	10° L "	Sand fill

Profile Notes Red ____ Plotted ____ Job No. 0739.01 Division No. 11 F.B. 2658 Pg. 211
No. ____ X-Sec. ____ Date ____ Date ____ Survey of Marina Del Rey
No. ____ Notes Chkd Miller Checked ____ Survey by English Notes E.S. Date 1-13-61
Date Feb 1961 Date ____ Map No. ____ Indexed H. E. Ott Date ____

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV		
		23 93 ✓				
7+40°			8.6	15 3 ✓	29° L Begin sand fill left Dirt fill right	
			6 5	17 4 ✓	72° L Bot Slope back & Top slope to left	
			7.7	16 2 ✓	100° L Brk cor.	Sand fill
			11.3	12 6 ✓	109° L Bot brk	
7+44°			4 0	19 9 ✓	W. B'ndry Rd Pg 204	
			4 0	19 9 ✓	3° L Brk	
			11 3	12 6 ✓	12° L Bot brk	Dirt fill
			11 2	12 7 ✓	28° L End of fill Sand fill left	
					Dirt fill right	
			11 3	12 6 ✓	109 L Cor Bot brks End of sand fill	
7+50			3 9	20 0 ✓	W Boundry Rd. Pg 204 Brk	
			3 6	20 3 ✓		19° R Brk
			16 8	7 1 ✓	Dirt fill	42° R Bot brk
			11 4	12 5 ✓	11° L Bot brk	
			11 5	12 4 ✓	110° L Gnd	
			13 95	9 98 ✓	Top conc bulkhead wall El. 10.00	

F.B. 265B Pg. 212 Job No. 0739.01 Division No. 11 Notes Red Plotted Profile
Survey of Marina Del Rey Date Date No. X-Sec.
Survey by English Notes E. Shoemaker Notes Chkd. Checked
Indexed H.E. Ott Date Date No.

Notes Ck'd by	Survey of Marina Del Rey
Map No.	JN 8910.06 Tape 0195 Std 68 °F
Office Work	Surveyed by English
Checked	Notes FEB 5 Edm Date 1-20-61
Date	Indexed H. E. Ott

F. B. 2658 PG. 213

MARINA DEL REY

JN. 8910.06

ADMINISTRATION
BUILDING SITE

TEST HOLE
LOCATIONS

Jan. 20, 1961

English
Shoemaker
Foulger
Dupuis
Tallison

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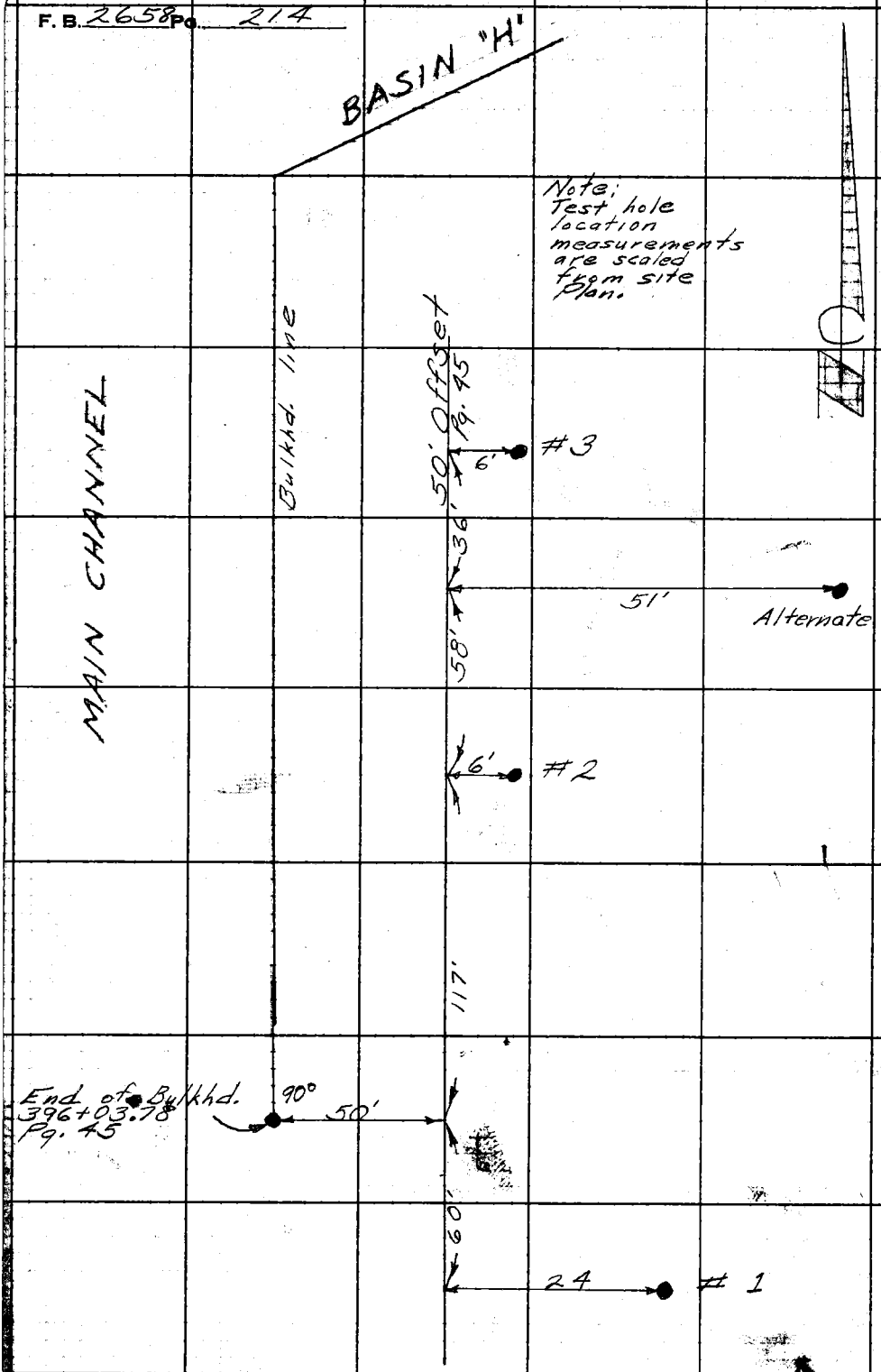
76F309S CE #247—3-57

F. B. 2658 Pg. 214



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Profile No.	Notes Red	Plotted	Job No. 0739.01	Division No. 11	F.B. 2658	Pg. 215
	Date	Date	Survey of Marina Del Rey			
X-Sec. No.	Notes Chkd.	Checked	Survey by E. English	Notes CES	Date 12-60	
	Date	Date	Map No.	Indexed H. E. Ott	Date FEB 3 '61	

MARINA DEL REY

J.N. 0739.01

Elevations
of

EXTRA EXCAVATIONS

Taken at request of head inspector:
Paul Betz

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

Party:
E. English
E. Shoemaker
D. Foulger
E. Dupuy
G Tollis

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76L-298 CE 307 11-58

76L-208 CE 307 11-58

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F.B. 2658 PG. 216
Job No. 0739.01 Division No. 11 Notes Red ____ Plotted ____ Profile No. ____
Survey of Marina Del Rey Date ____ Date ____ X-Sec. No. ____
Survey by E. English Notes E.E. Shoemaker Notes Chkd. ____ Checked ____
Indexed H. E. Ott Date ____ Date ____

STATION	B.S.	H.I.	F.S.	ELEV.		
TBM	5.0 ✓	5.0 ✓		00.0 ✓	8.25 offset line	Sta 90+, 1X2
91+			7.7	-2.7 ✓		
92+			7.7	-2.7 ✓		
93+			7.1	-2.1 ✓	Note: this profile taken	
94+			7.2	-2.2 ✓	on 3.00 Offset Line.	
95+			7.2	-2.2 ✓	3' Left of Bulkhd. line, pg. 42	
96+			7.3	-2.3 ✓		
97+			7.6	-2.6 ✓		
97+42			8.2	-3.2 ✓		
T.B.M.			5.0	00.0 ✓	8.25 Offset Line,	1X2, el=0.00
			Dec. 27, 1960			
TBM.	5.0 ✓	5.0 ✓		00.0 ✓	8.25 Offset Line	Sta 8+, 1X2, el=0.00
8+95			5.8	-0.8 ✓		
9+00			10.8	-5.8 ✓	Dirt	Note: Profile
			9.4	-4.4 ✓	Rock back fill	taken on 1.25
9+25			11.1	-6.1 ✓	Dirt	Offset line
			10.8	-5.8 ✓	Rock back fill	(Pile ℄)
9+47			11.2	-6.2 ✓	Dirt	
			9.0	-4.0 ✓	Gravel back fill	

FOLD

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.		
		5.0 ✓				
9+49			6.6	-1.6 ✓	[illegible]	
9+60			6.7	-1.7 ✓	[illegible]	
T.B.M.			5.0	00.0 ✓	82.5 Offset Line	Sta 11+, 1x2, el=0.00

(12-28-60) Estimated size of inaccessible slide hole (mud), hole going N. E'ly. from Bulkhd. sta. 6+75 32' wide 71' long 6' deep.

(12-28-60) South side of Bulkhd. Excavation at 6+75 an area 13' wide & 50' long slide into bottom of ditch.

Profile Notes Red ____ Plotted ____ Job No. C739.01 Division No. [illegible] F.B. 2658 Pg. 217
No. ____ Date ____ Date ____ Survey of Marina Del Rey
X-Sec. Notes Chkd. ____ Checked ____ Survey by E. English Notes [illegible] Date 12-[illegible]-60
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. Ott Date ____

F. B. 2658 Pg. 218 Job No. Division No. Notes Red Plotted Profile

Survey of Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed H. E. On Date Date Date No.

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

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76L-200 CE 307 11-58

Notes Ck'd by	Survey of MARINA DEL REY	F. B. 2658 PG. 219
Map No.	JN 8910.06 Tape Std °F	
Office Work	Surveyed by J.P. MENNE	
Checked	Notes J.P.M. Date 1-27-61	
Date	Indexed H. E. OTT JAN 31 '61	

LOCATION

OF

GAS LINES

NEAR

PROPOSED ADMINISTRATION

BLDG. SITE

LOT 62

J.P. MENNE
J.P. McCALL
L.C. LOVE
K. RIGGIN

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76F309S S&E #247 11-58

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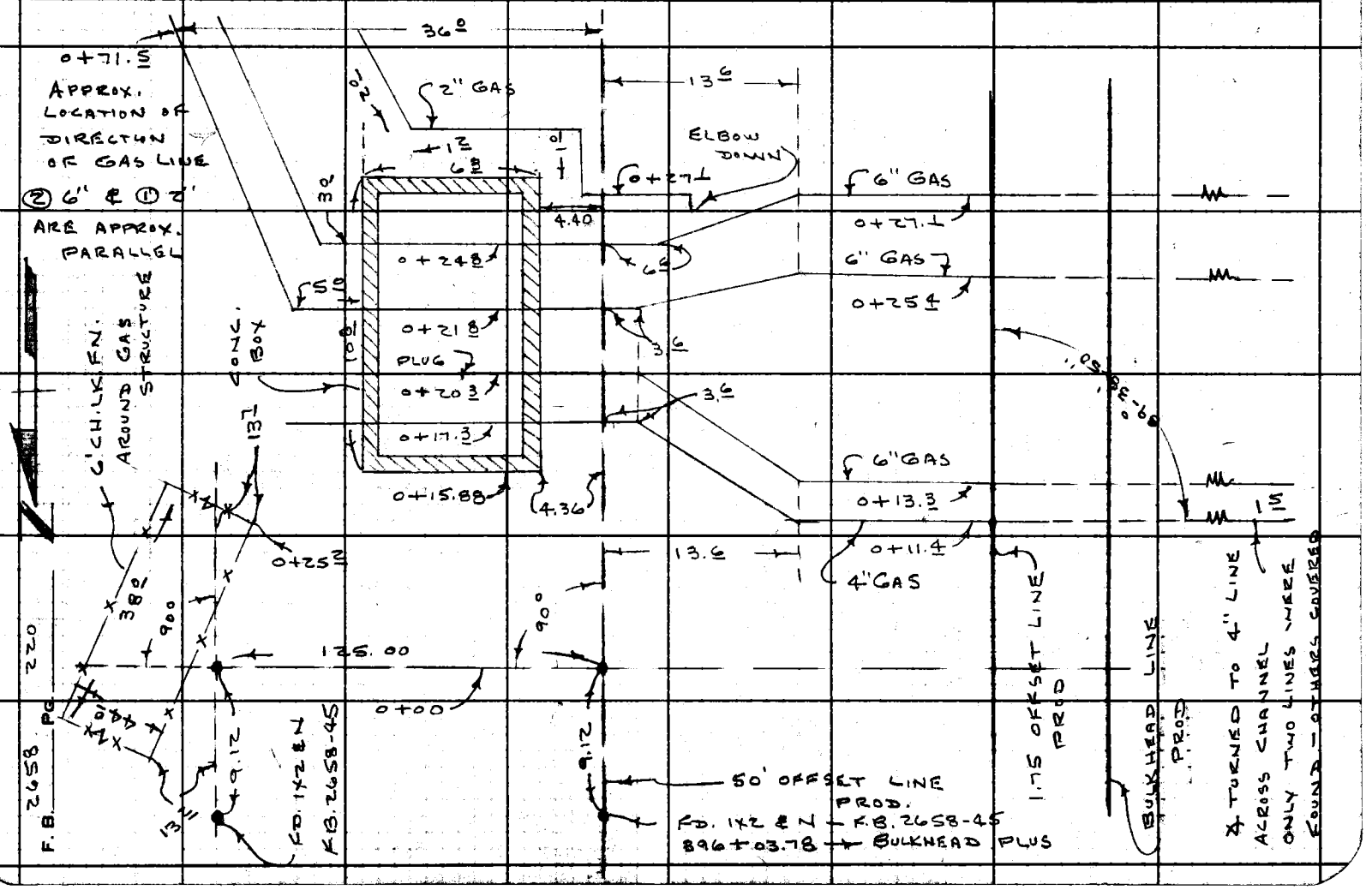

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.		
South	Side	of Mole #6 - Bulkhd. line & 30' Offset (Pg. 40) Elevs.				
fd T.B.M. S-9	11.30	21.30		10.00	T.B.M. S-9 EL. 10.00	F.B. 2679-28
T.P.	6 32	20.20	7 42	13 88	Bt. Spk. in lead in top conc bulkhead 282+28	
T.P.	3 55	17 94	5 81	14.39		
T.P.	4 60	16 40	6 14	11 80		
T.P.	4 42	17.10	3 72	12.68		
	4 53	16 13	5 50	11.60		
356+90 21			1 58	14 55	30' Offset, 1X2, pg. 40	
356+60 21			10 3	5 8	Bulkhd. cor., pg. 40, N.E. Cor. Basin "H"	
356+68.46			4 21	11.92		150±R 8.25 Off. N. Rd
356+61.96			4 20	11 93		" " 1.75 " " "
356+00			12.5	3 6	Bulkhead Line	
			5 93	10 20		30' L Off. 1X2
355+00			11 1	5 0	"	
			5 63	10 50		
354+00			10 5	5 6		
	5 20	15 98	5.35	10 78		
353+[illegible]			10 4	5 6		
			5 18	10.80		

Profile Notes Red ____ Plotted ____ Job No. 07[illegible] Location No. 11 F.B. 2658 Pg. 221
No. ____ Date ____ Date ____ Survey [illegible] Bulkhds
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes Ed. Date 1-31-61
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

76L-298 CE 307 11-58

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F.B. 2658 Pg. 222
Job No. 0739.01 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of Marina Bulkheads Date ____ Date ____ No. ____
Survey by E. English Notes E. Shoemaker Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed H. E. Ott Date ____ Date ____ No. ____

STATION	B.S.	H.I.	F.S.	ELEV.		
		15 98				
352+00			9 3	6 7	Bulkhead Line	
			4.91	11 07		30L Off 1X2
351+00			10 0	5 9	"	
T.P.	5 06	16 32	4 72	11 26		"
350+00			10 4	5 9	"	
			4 98	11 34		"
349+00			11 3	5 0	"	
			4 70	11 62		"
348+00			10 4	5 9	"	
			4 97	11 35		"
347+00			10 7	5 6	"	
T.P.	5 02	16 14	5 20	11 12		"
346+00			10 6	5 5	"	
			5 41	10 73		"
345+00			10 2	5 9	"	
			5 10	11 04		"
344+00			10 6	5 5	"	
			5 26	10 88		"
343+00			10 3	5 8	"	
T.P.	6 67	17 76	5 05	11 09		"

76L-298 CE 307 11-58

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STATION	B. S.	H. I.	F. S.	ELEV.		
		17 76				
342+00			12 7	5 0	BULKHEAD LINE	
			5 88	11 88		30' L OFF 1X2
341+55.71: A 340+17.15: B			7 06	10 70	1X2 →	INTER. OF 30' OFFSET & 50' OFFSET LINES 19.40
340+80.66			11 1	6 7	BULKHEAD CORNER	
340+00			13 7	4 1	BULKHEAD LINE	
			6 7	11 1		50' L. OFF 1X2
339+00			5 5	12 3	"	
			4 75	13 01		"
338+00			12 5	5 3	"	
			5 00	12 76		"
T.P.	4 90	17 64	5 03	12 74		
T.P.	4 86	15 95	6 55	11 09		
T.P.	5 39	16 49	4 85	11.10		
T.P.	4 48	15 70	5 27	11 22		
T.P.	5 63	16 37	4 96	10.74		
T.P	6 53	18 09	4 81	11 56		
TP	3 56	16 01	5 64	12 45		
317+14.77B 317+74.77A			8.95	7 06	T.B.M. — El. 7.04	F.B. 2658-40-108
					1X2 & N on int. of 30' off & 30' off Cor.	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0739.01 Division No. 11
X-Sec. No. ____ Date ____ Date ____ Date ____ Survey of Marina Bulkheads
Notes Chkd. ____ Checked ____ Survey by F. English Notes F.S. Date 1-31-61
Date ____ Date ____ Map No. ____ Indexed W. E. On Date ____

F.B. 2658 Page 223

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV		
Cross-sections: East end Basin "H".						see pg. 46 Bulkhd. line
360+90 21	110	15 65		14 55	30' offset, 1x2, Pg. 221	
356+60 21			98	5 8	Bulkhd. Cor., pg. 221	
357+00			957	6.08	Bulkhd. line	
			107	49		20 R.
			90	66	14 L. T.S.	
			47	109	14.1 L. Brk	
			18	138	21.5 L Top dike	
			16	140	29.5 L " "	
			42	114	36° L Brk	
			39	117	45 L Gnd	
358+00			964	601	Bulkhd line	
			100	56		20 R
			101	55	13° L T.S.	
			16	140	28° L Top dike	
			42	114	32.6 L Brk	
			42	114	42 L Gnd	
359+00			915	650	Bulkhd Line	
			94	62		20 R

Con't. Pg. 49

D.F.

F.B. 2658 Pg. 224
Job No. 0739.01 Division No. 11 Notes Red Plotted Profile
Survey of Marina Bulkhds Date Date No. X-Sec.
Survey by English Notes Ed. Notes Chkd. Checked
Indexed H.E. OD Date Date Date No.

F.B. 2658 Pg. 227

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 0739.01 Division No. ____ Survey of MARINA DEL REY

X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by J.P.MENNE Notes J.P.M Date 2-7-61 Map No. ____ Indexed H. E. OM Date FEB 15 '61

MARINA DEL REY

CROSS - SECTIONS

NEAR

BASIN "E"

ON REQUEST BY R.J. REICH

J.P.MENNE
W. VOGE
L.C.LOVE
K. RIGDON

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

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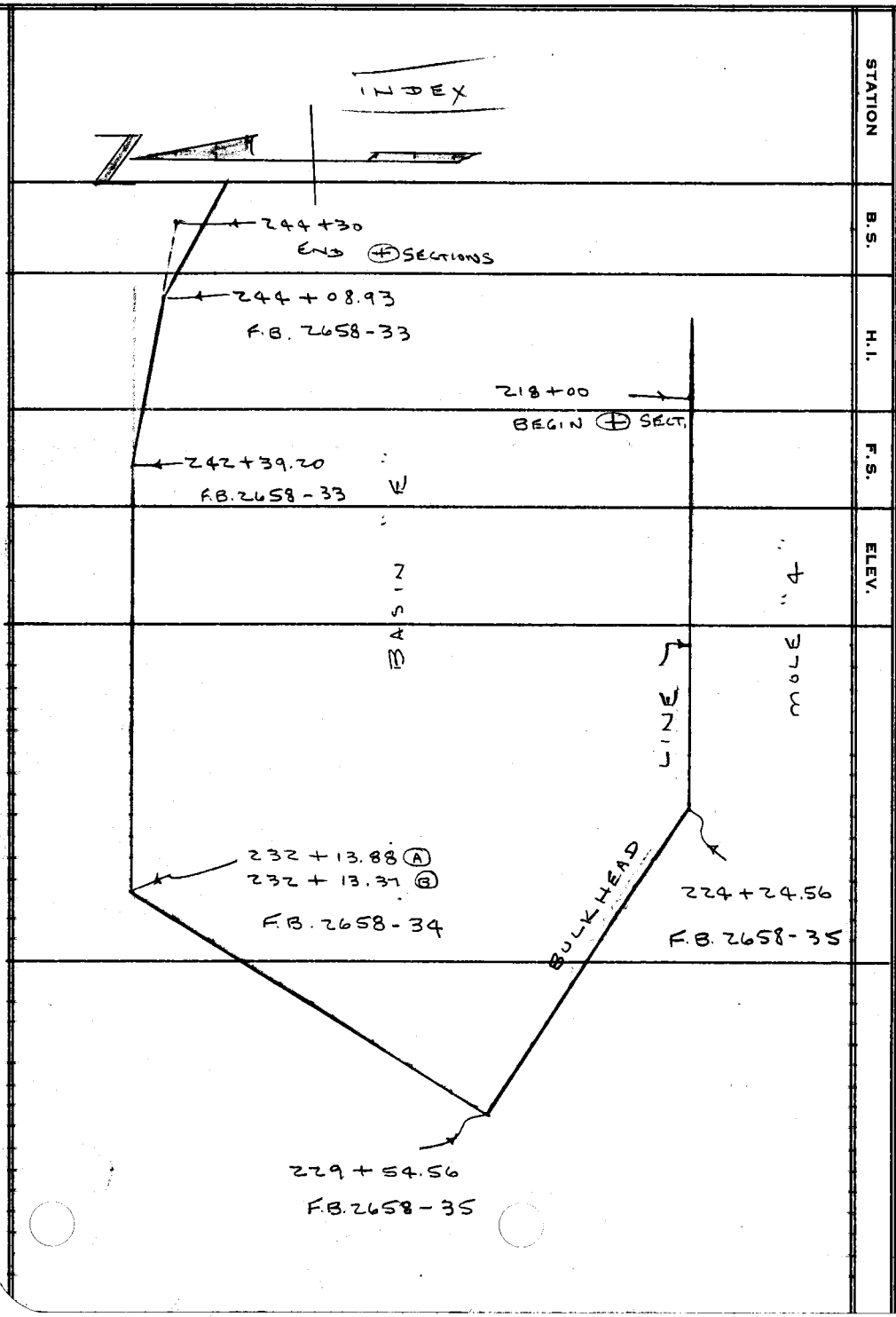
F.B. 2658 PG. 228

Job No. 0739.01 Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of MARINA DEL REY Date _____ Date _____ No. _____

Survey by J.P. MENNE Notes J.P.M. Notes Chkd. _____ Checked _____ X-Sec.

Indexed H. E. OTT Date _____ Date _____ Date _____ No. _____



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STATION	B.S.	H.I.	F.S.	ELEV.		
(FD) T.B.M.	2 99	15 81		12 82	T.B.M. P. POLE NO. T-4-48-118 50'± N.W. OF BULKHEAD STA. 232+14.84	
T.P.	5 49	17 44	3 86	11 95	LG. BT. SPK. IN POLE UP 2' F.B. 2679-	
T.P.	4 06	17 73	3 77	13 67		
T.P	3 98	15 08	6 63	11 10		
T.P.	4 75	14 27	5 56	9 52		
T.P.	4 39	15 46	3 20	11 07		
T.P.			4 00	11 46	T.P. 1+2	
X - SECTIONS - ON SOUTH - WEST - NORTH SIDE BASIN "E"						
		BEGINNING	@	STATION	218+00	BULKHEAD LINE
T.P. 218+00	8 21	19 67		11 46	T.P. ABOVE BULKHEAD LINE	
					LEFT	
			9 2	10 5	23' L.	TOP BANK ABOVE BLK. DITCH.
			5 7	14 0	32' L	TOP BRK.
			10 1	9 6	39' L	BOTT BRK.
			9 8	9 9	98' L	BOTT "
			9 9	9 8	167' L	BOTT "
			4 1	15 6	217' L	TOP BANK
			3 4	16 3	272' L	TOP BANK

Profile No. X-Sec. No. Notes Red Date Notes Chkd. Date Plotted Date Checked Date Job No. 0734.0 Division No. Survey of MARINA DEL REY Survey by J. PMENN Notes J.P.M. Date 2-7-61 Map No. Indexed B.E. OTT Date

F.B. 2658 Pg. 22

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.		
218+00		19 67			LEFT	
			6 0	13 7	282' L. BOTT.	
			5 5	14 2	325' L. BOTT.	
			2 8	16 9	331' L. TOP BANK - DYKE	
218+50					BULKHEAD LINE	
			9 7	10 0	29' L TOP BANK	ABOVE BLK. DITCH
			5 2	14 5	40' L TOP BANK	
			8 2	11 5	45' L BOTT.	
			8 3	11 4	95' L BRK.	
			6 2	13 5	145' L BRK.	
			6 5	13 2	200' L BRK.	
			6 0	13 7	250' L BRK.	
			6 7	13 0	267' L BRK.	
			9 2	10 5	308' L BRK. - BOTT.	
			2 4	17 3	322' L TOP BANK - DYKE	
219+00					BULKHEAD LINE	
			9 7	10 0	20' L. TOP BANK	ABOVE BLK. DITCH
			4 5	15 2	40' L TOP BANK	
			8 2	11 5	48' L BOTT.	
			9 0	10 7	96' L BRK.	
			9 2	10 5	150' L BRK.	

Profile No. ____ X-Sec. No. ____
Plotted ____ Date ____ Checked ____ Date ____
Notes Red ____ Date ____ Notes Chkd. ____ Date ____
Division No. ____ Job No. 0739.01
Survey of MARINA DEL REY
Survey by ~~H.E. OH~~ J.P.M. Notes J.P.M.
Indexed ____ Date ____
F.B. 2658 Pg. 230

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.	LEFT	
219+00		19 67				
			8 5	11 2	200' L BRK.	
			6 1	13 6	228' L Top	
			7 5	12 2	259' L Top	
			11 1	8 6	282' L Bott.	
			11 0	8 7	313' L Bott.	
			4 5	15 2	328' L Top BANK DYKE	
219+50					BULKHEAD LINE	
			9 5	10 2	20' L. Top BANK ABOVE BLK. DITCH	
			9 9	9 8	69' L. BRK.	
			7 9	11 8	110' L BRK.	
			8 5	11 2	160' L BRK.	
			8 4	11 3	202' L. BRK. - Bott.	
			4 6	15 1	209' L Top.	
			6 6	13 1	270' L Top BRK.	
			11 3	8 4	315' L Bott.	
			4 5	15 2	327' L Top BANK DYKE	
T.P.	8 32	20 55	7 44	12 23	T.P.	
220+00					BULKHEAD LINE	
			11 5	9 0	34' L Top BANK ABOVE BLK. DITCH	
			4 8	15 7	40' L Top	

Profile Notes Red ____ Plotted ____ Job No. 0739.01 Division No. ____
No. ____ X-Sec. ____ Date ____ Date ____ Survey of MARINA DEL REY
No. ____ Notes Chkd. ____ Checked ____ Survey by J.P. MENNE Notes by ____ Date 2-7-61
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F.B. 2658 Page 81

76L-298 CE 307 11-58

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F.B. 2658 Pg. 232

Job No. 0739.01 Division No. ____ Notes Red ____ Plotted ____ Profile No. ____

Survey of MARINA DEL REY Date ____ Date ____ X-Sec. No. ____

Survey by J. P. MENNE Notes J.P.M. Notes Chkd. ____ Checked ____

Indexed Date ____ Date ____ Date ____

STATION	B.S.	H.I.	F.S.	ELEV.	LEFT		
220+00		20 55					
			9 8	10 7	50' L	BOTT.	
			10 3	10 2	103' L	BRK.	
			9 2	11 3	150' L	BRK	
			9 9	10 6	205' L	BRK.	
			4 4	16 1	245' L	BRK	
			6 0	14 5	300' L	BRK.	
			5 5	15 0	338' L	TOP BANK	DYKE
220+50					BULKHEAD LINE		
			11 6	8 9	27' L	TOP BANK	ABOVE BLK. DITCH
			7 8	12 7	40' L	TOP	
			9 9	10 6	47' L	BOTT.	
			11 7	8 8	98' L	BRK	
			11 8	8 7	150' L	BRK	
			13 2	7 3	197' L	BRK	
			12 7	7 8	240' L	BRK.	
			7 8	12 7	249' L	BRK.	
			6 5	14 0	301' L		
			5 0	15 5	337' L	TOP	BANK - DITCH
220+85			8 4	12 1	315' L	TOP	
220+90			12 6	7 9	315' L	BOTT.	

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.	LEFT	
		20 55				
221+00					BULKHEAD LINE	
			10 6	9 9	29' L	TOP BANK ABOVE BLK. DITCH
			11 8	8 7	86' L	BRK.
			13 0	7 5	140' L	BRK.
			13 8	6 7	190' L	BRK
			13 7	6 8	238' L	BRK
			13 4	7 1	275' L	BRK
			12 0	8 5	308' L	BOTT. BRK.
			6 4	14 1	320' L	TOP
			6 4	14 1	330' L	TOP DYKE
221+50					BULKHEAD LINE	
			11 2	9 3	29' L	TOP BANK ABOVE BLK. DITCH
			13 1	7 4	82' L	BRK.
			12 8	7 7	132' L	BRK.
			13 9	6 6	189' L	BRK.
			14 1	6 4	243' L	BRK
			11 7	8 8	288' L	BOTT. BRK.
			7 6	12 9	298' L	TOP
			7 6	12 9	313' L	TOP DYKE
T.P.	3 48	14 55	9 48	11 07		

Profile Notes Red ____ Plotted ____ Job No. 6739.01 Division No. ____
No. ____ Date ____ Date ____ Survey of MARINA DEL REY
X-Sec. Notes Chkd ____ Checked ____ Survey by J.P. MENNE Notes J.P.M. Date 2-7-61
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F.B. 7658 PG. 233

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.	LEFT
		14 55			
222+00					BULKHEAD LINE
			5 0	9 5	29' L. TOP BANK ABOVE BLK. DITCH
			4 2	10 3	77' L. BRK.
			6 3	8 2	132' L BRK.
			5 0	9 5	180' L BRK
			6 9	7 6	242' L BRK
			4 3	10 2	276' L TOP
			4 3	10 2	300' L TOP DYKE
222+50					BULKHEAD LINE
			5 1	9 4	31' L TOP BANK ABOVE BLK. DITCH.
			4 7	9 8	78' L BRK.
			7 2	7 3	130' L BRK.
			6 3	8 2	182' L BRK
			5 5	9 0	232' L BOTTOM
			2 6	11 9	238' L TOP
			2 8	11 7	267' L TOP DYKE
T.P.	4 54	14 06	5 03	9 52	
223+00					BULKHEAD LINE
			4 8	9 3	30' L TOP BANK ABOVE BLK. DITCH
			3 5	10 6	80' L BRK

F.B. 2658 Pg. 234

Job No. 0739.01 Division No. Notes Red Plotted Profile
Survey of MARINA DEL REY Date Date No.
Survey by J.P. MENNE Notes J.P.M. Notes Chkd. Checked X-Sec.
Indexed Date Date No.

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.	LEFT		
223+00		14 06					
			5 1	9 0	135'	L	BRK.
			4 8	9 3	200'	L	TOE
			1 9	12 2	205'	L	TOP
			1 6	12 5	230'	L	TOP
			9 4	4 7	246'	L	BOTT.
223+50					BULKHEAD LINE		
			4 7	9 4	32'	L	TOP BANK ABOVE BLK. DITCH
			5 4	8 7	79'	L	BRK.
			6 1	8 0	135'	L	BRK
			4 0	10 1	165'	L	TOE
			1 9	12 2	170'	L	TOP BANK
			1 9	12 2	199'	L	TOP BANK
			10 4	3 7	215'	L	BOTT.
224+00					BULKHEAD LINE		
			4 8	9 3	32'	L	TOP BANK ABOVE BLK. DITCH
			7 0	7 1	78'	L	BRK.
			5 6	8 5	123'	L	TOE
			2 3	11 8	133'	L	TOP
			1 6	12 5	165'	L	TOP
			9 6	4 5	183	L	BOTT.

Profile Notes Red ____ Plotted ____ Job No. 0739.01 Division No. ____
No. ____ Date ____ Date ____ Survey of MARINA DEL REY
X-Sec. Notes Chkd. ____ Checked ____ Survey by J.P. MENNE Date 2-8-61
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F.B. 2658 Pg. 23

76L-298 CE 307 11-58

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F.B. 2658 PG. 236

Job No. 0739.01 Division No. Notes Red Plotted Profile No.
Survey of MARINA DEL REY Date Date X-Sec. No.
Survey by J.P. MENNE Notes J.P.M. Notes Chkd. Checked
Indexed H.E. OH Date Date Date

STATION	B.S.	H.I.	F.S.	ELEV.	LEFT	
		14 06				
224+24.56 (BACK)						BULKHEAD LINE
			5 0	9 1	30' L	TOP BANK ABOVE BLK. DITCH.
			6 6	7 5	82' L	BRK.
			5 3	8 8	110' L	TOE S.
			2 5	11 6	115' L	TOP
			2 0	12 1	145' L	TOP
			7 4	6 7	157' L	BOTT.
224+24.56 BISECTOR ℄						BULKHEAD LINE
			4 7	9 4	28' L	TOP BANK ABOVE BLK. DITCH.
			3 8	10 3	67' L	JUNCT. TOE & TOP
			2 9	11 2	122' L	TOP
			8 7	5 4	134' L	BOTT.
224+24.56 (AHEAD)						BULKHEAD LINE
			4 8	9 3	30' L	TOP BANK ABOVE BLK. DITCH
			3 5	10 6	88' L	TOE
			0 0	14 1	98' L	TOP BANK
			6 1	8 0	126' L	BOTT.
T.P.	7 93	17 77	4 22	9 84		
224+50						BULKHEAD LINE
			8 3	9 5	30' L	TOP BANK ABOVE BLK. DITCH

76L-298 CE 307 11-58

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LEFT	
224+50		17 77				
			8 1	9 7	64' L	
			7 8	10 0	88' L	TOE S.
			3 6	14 2	100' L	TOP BANK
			3 3	14 5	111' L	TOP BANK
			11 0	6 8	123' L	BOTT. BANK
225+00						BULKHEAD LINE
			7 1	10 7	26' L	TOP BANK ABOVE BLK. DITCH
			7 4	10 4	51' L	TOP
			10 0	7 8	63' L	BOTTOM
			9 5	8 3	79' L	TOE
			3 9	13 9	101' L	TOP BANK
			3 9	13 9	111' L	" "
			11 2	6 6	127' L	TOE S
225+50						BULKHEAD LINE
			7 1	10 7	26' L	TOP BANK ABOVE BLK. DITCH
			7 3	10 5	59' L	TOP
			9 0	8 8	63' L	BOTTOM
			7 5	10 3	84' L	TOE S
			2 7	15 1	100' L	TOP
			2 7	15 1	110' L	TOP

Profile Notes Red ____ Plotted ____ Job No. 0739.01 Division No. ____
No. ____ Date ____ Date ____ Survey of MARINA DEL REY
X-Sec. Notes Chkd ____ Checked ____ Survey by J.P. MENNE Notes J.P.M. Date 2-8-61
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F.B. 2658 Pg. 37

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LEFT	
225+50		17 77				
			12 8	5 0	125' L	TOE S.
226+00						BULKHEAD LINE
			6 7	11 1	26' L	TOP BANK ABOVE BLK. DITCH
			7 0	10 8	73' L	TOE
			2 4	15 4	92' L	TOP BANK
			2 4	15 4	102' L	" "
			13 5	4 3	122' L	TOE
226+50						BULKHEAD LINE
			6 1	11 7	26' L	TOP BANK ABOVE BLK. DITCH
			6 4	11 4	70' L	
			4 0	13 8	95' L	TOP BANK
			12 2	5 6	124' L	TOE S.
T.P.	4 12	15 67	6 22	11 55	T.P.	
227+00						BULKHEAD LINE
			3 0	12 7	26' L	TOP BANK ABOVE BLK. DITCH
			3 8	11 9	74' L	
			4 3	11 4	114' L	TOP BANK
			10 5	5 2	125' L	TOE
227+50						BULKHEAD LINE
			2 9	12 8	25' L	TOP BANK ABOVE BLK. DITCH

F.B. 2658 Pg. 238
Job No. 0739.01 Division No. Notes Red Plotted Profile
Survey of MARINA DEL REY Date Date No.
Survey by J.P. MENNE Notes J.P.M. Notes Chkd. Checked X-Sec.
Indexed G. E. OTT Date Date Date No.

76L-298 CE 307 11-58

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LEFT	
227 + 50		15 67				
			2 4	12 3	38' L	TOP BANK
			3 1	12 6	40' L	TOE
			4 2	11 5	80' L	
			5 4	10 3	112' L	TOP BANK
			10 1	5 6	129' L	TOE
228 + 00						BULKHEAD LINE
			2 7	13 0	23' L	TOP BANK ABOVE BLK. DITCH
			2 2	13 5	36' L	TOP BANK
			4 8	10 9	44' L	TOE
			4 7	11 0	89' L	
			4 9	10 8	112' L	TOP
			7 2	8 5	126' L	TOE
228 + 50						BULKHEAD LINE
			2 2	13 5	27' L	TOP BANK ABOVE BLK. DITCH
			1 6	14 1	37' L	TOP
			4 7	11 0	44' L	TOE
			5 4	10 3	94' L	
			5 7	10 0	142' L	
229 ± 00						BULKHEAD LINE
			2 4	13 3	23' L	TOP BANK ABOVE BLK. DITCH

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0739.01 Division No. ____
X-Sec. No. ____ Date ____ Date ____ Survey of MARINA DEL REY
Notes Chkd. ____ Checked ____ Survey by J.P. MENNE Notes J.P.M. Date 2-8-61
Date ____ Date ____ Map No. ____ Indexed B.E. ON Date ____

F.B. 2658 PG 239

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Profile No. ____ Plotted ____ Notes Red ____ Division No. ____ Job No. 0739.01
X-Sec. No. ____ Date ____ Date ____ Date ____ Notes Chkd. ____ Checked ____ Notes J.P.M. ____ Date ____ Date ____ Date ____
Survey of MARINA DEL REY
Survey by J.P.M. Notes ____
Indexed ____ Date ____

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STATION	B.S.	H.I.	F.S.	ELEV.	LEFT	
229+00		15 67				
			2 0	13 7	35' L	TOP BANK
			4 5	11 2	37' L	TOE
			5 5	10 2	89' L	
			4 5	11 2	137' L	
229+54.56 (BACK)						BULKHEAD LINE
			2 9	12 8	23' L	TOP BANK ABOVE BLK. DITCH
			2 3	13 4	35' L	JUNCT. TOP BANK & TOE
			4 0	11 7	76' L	
			4 6	11 1	130' L	
T.P. 229+54.56 BISECTOR ℄	2 76	16 43	2 00	13 67		
						BULKHEAD LINE
			3 9	12 5	29' L	TOP BANK ABOVE BLK. DITCH
			4 0	12 4	79' L	
			5 5	10 9	95' L	
			5 1	11 3	144' L	
229+54.56 (AHEAD)						BULKHEAD LINE
			3 7	12 7	28' L	TOP BANK ABOVE BLK. DITCH
			3 2	13 2	63' L	TOP BANK
			6 4	10 0	71' L	TOE
			8 6	7 8	124' L	

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LEFT	
		16 43				
230+00						BULKHEAD LINE
			4 4	12 0	25' L	TOP BANK ABOVE BLK. DITCH
			3 4	13 0	50' L	TOE
			0 0	16 4	58' L	TOP BANK
			7 0	9 4	130' L	TOE
230+50						BULKHEAD LINE
			3 3	13 1	25' L	TOP BANK ABOVE BLK. DITCH
			3 3	13 1	44' L	TOE
			0 0	16 4	64' L	TOP BANK
			7 7	8 7	84' L	TOE
231+00						BULKHEAD LINE
			3 4	13 0	22' L	TOP BANK ABOVE BLK. DITCH
			3 4	13 0	45' L	TOE
			0 0	16 4	62' L	TOP
			8 3	8 1	80' L	TOE
T.P.	3 49	16 86	3 06	13 37		
231+50						BULKHEAD LINE
			5 3	11 6	21' L	TOP BANK ABOVE BLK. DITCH
			4 9	12 0	74' L	TOP
			7 9	9 0	80' L	

Profile Notes Red ____ Plotted ____ Job No. 0739.01 Division No. ____
No. ____ Date ____ Date ____ Survey of MARINA DEL REY
X-Sec. Notes Chkd. ____ Checked ____ Survey by J.P. MENNE Notes J.P.M. Date 2-8-61
No. ____ Date ____ Date ____ Map No. ____ Indexed B. E. OTT Date ____

F.B. 2658 PG. 241

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F.B. 2658 PG. 242

Job No. 0739.01 Division No. Notes Red Plotted Profile

Survey of MARINA DEL REY Date Date No.

Survey by J.P. MENNIE Notes J.P.M. Notes Chkd. Checked X-Sec.

Indexed H. E. OH Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.	LEFT	
231+50		16 86				
			6 6	10 3	130' L	
232+00						BULKHEAD LINE
			6 2	10 7	21' L	TOP BANK ABOVE BLK. DITCH
			5 4	11 5	73' L	
			7 2	9 7	120' L	
232+13.88 BISECTIE &						BULKHEAD LINE
			6 3	10 6	21' L	TOP BANK ABOVE BLK. DITCH
			5 7	11 2	83' L	
			5 3	11 6	133' L	
232+13.88 (AHEAD)						BULKHEAD LINE
			5 7	11 2	30' L	TOP BANK ABOVE BLK. DITCH
			5 6	11 3	78' L	
			5 7	11 2	135' L	
			5 2	11 7	212' L	TOE. S.
232+50						BULKHEAD LINE
			4 4	12 5	30' L	TOP BANK ABOVE BLK. DITCH
			5 2	11 7	81' L	
			5 5	11 4	136' L	
			5 5	11 4	182' L	
			5 4	11 5	231' L	TOE S.

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LEFT	
		16 86				
233 + 00						BULKHEAD LINE
			3 4	13 5	30' L	TOP BANK ABOVE BLK. DITCH
			2 7	14 2	76' L	TOP BANK
			5 7	11 2	83' L	TOE
			5 5	11 4	141' L	
			5 0	11 9	197' L	
233 + 50						BULKHEAD LINE
			3 0	13 9	30' L	TOP BANK ABOVE BLK DITCH
			2 5	14 4	72' L	TOP BANK
			4 1	12 8	76' L	TOE
			4 7	12 2	128' L	
			4 0	12 9	180' L	
			4 9	12 0	230' L	
			5 3	11 6	284' L	
P.P.L.L. T.P.	3 99	16 81	4 04	12 82		
234 + 00						BULKHEAD LINE
			2 8	14 0	30' L	TOP BANK ABOVE BLK. DITCH
			2 6	14 2	57' L	TOP BANK
			4 4	12 4	62' L	TOE
			3 9	12 9	113' L	

Profile Notes Red ____ Plotted ____ Job No. 0739.01 Division No. ____
No. X-Sec. ____ Date ____ Date ____ Survey of MARINA DEL REY
No. ____ Notes Chkd. ____ Checked ____ Survey by J.P. MENNE Notes J.P.M. Date 2-8-61
Date ____ Date ____ Map No. ____ Indexed H.E. OTT Date ____

F.B. 2658 Pg. 243

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LEFT	
234+00		16 81				
			4 7	12 1	165' L	
			3 6	13 2	213' L	
			4 4	12 4	270' L	
			4 8	12 0	335' L	TOE S
234+50						BULKHEAD LINE
			2 6	14 2	30' L	TOP BANK ABOVE BLK. DITCH
			2 6	14 2	52' L	TOP BANK
			4 3	12 5	55' L	TOE S.
			4 1	12 7	108' L	
			4 4	12 4	160' L	
			4 2	12 6	217' L	
			4 3	12 5	265' L	
			4 6	12 2	316' L	
			4 0	12 8	367' L	
235+00						BULKHEAD LINE
			2 8	14 0	30' L	TOP BANK ABOVE BLK. DITCH
			3 5	13 3	48' L	
			4 4	12 4	53' L	
			3 7	13 1	108' L	
			3 7	13 1	162' L	

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Survey of MARINA DEL REY | Date | Date | No.
Survey by J.P. MENNE Notes J.P.M. | Notes Chkd. | Checked | X-Sec.
Indexed J.E. OTT | Date | Date | No.

76L-298 CE 307 11-58

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LEFT	
235+00		16 81				
			4 1	12 7	220' L	
			3 8	13 0	279' L	
			3 9	12 9	336' L	
			2 8	14 0	400' L	TOE S.
235+50						BULKHEAD LINE
			2 8	14 0	30' L	TOP BANK ABOVE BLK. DITCH
			3 3	13 8	54' L	TOP BANK
			4 7	12 1	59' L	TOE S.
			3 5	13 3	114' L	
			3 4	13 4	168' L	
			3 2	13 6	224' L	
			2 7	14 1	282' L	
			3 0	13 8	340' L	
			2 2	14 6	393' L	
			2 4	14 4	440' L	TOE S.
236+00						BULKHEAD LINE
			2 6	14 2	31' L	TOP BANK ABOVE BLK. DITCH
			3 4	13 4	52' L	TOP BANK
			4 1	12 7	58' L	TOE S
			3 3	13 5	112' L	

Profile Notes Red ____ Plotted ____ Job No. 0739.01 Division No. ____
No. X-Sec. Date ____ Date ____ Survey of MARINA DEL REY
No. ____ Notes Chkd. ____ Checked ____ Survey by J.P. MENNE Notes J.P.M. Date 2-9-61
Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

F.B. 7658 Pg. 245

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F.B. 2658 PG. 246

Job No. 0739.01 Division No. ____ Notes Red ____ Plotted ____ Profile No. ____

Survey of MARINA DEL REY Date ____ Date ____ X-Sec. No. ____

Survey by J.P. MEWNE Notes J.P.M. Notes Chkd. ____ Checked ____

Indexed ____ Date ____ Date ____ Date ____

STATION	B.S.	H.I.	F.S.	ELEV.	LEFT	
236+00		16 81				
			2 8	14 0	165' L	
			2 5	14 3	217' L	
			2 0	14 8	265' L	
			1 5	15 3	320' L	
			2 0	14 8	370' L	
			1 7	15 1	425' L	
			1 6	15 2	470' L	
236+50					BULKHEAD LINE	
			3 2	13 6	30' L	TOP BANK ABOVE BLK DITCH
			3 1	13 7	85' L	
			2 5	14 3	140' L	
			1 7	15 1	194' L	
			1 7	15 1	250' L	
			1 4	15 4	300' L	
			1 3	15 5	355' L	
			1 5	15 3	410' L	
			1 3	15 5	465' L	
			1 0	15 8	500' L	
236+50 T.P.	8 32	21 87	3 26	13 55	T.P.	
			(OVER)			

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LEFT	
		21 87				
237+00						BULKHEAD LINE
			8 6	13 3	30' L	TOP BANK ABOVE BLK. DITCH
			8 9	13 0	84' L	
			7 4	14 5	140' L	
			7 0	14 9	192' L	
			6 3	15 6	246' L	
			5 9	16 0	305' L	
			5 4	16 5	360' L	
			6 2	15 7	415' L	
			5 8	16 1	475' L	
			5 8	16 1	515' L	
237+50						BULKHEAD LINE
			8 7	13 2	30' L	TOP BANK ABOVE BLK. DITCH
			8 9	13 0	85' L	
			6 0	15 9	140' L	
			6 8	15 1	200' L	
			6 2	15 7	255' L	
			5 4	16 5	310' L	
			5 0	16 9	365' L	
			6 1	15 8	420' L	

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 0739.01 Division No. ____
X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of MARINA DEL REY
Survey by J.P. MANNE Notes by ____ Date 2-9-61
Map No. ____ Indexed ____ Date ____ H.E. OH

F.B. 2658 PG. 247

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F.B. 2658 Pg. 248 | Job No. 0739.01 | Division No. | Notes Red | Plotted | Profile No.

Survey of MARINA DEL REY | Date | Date | X-Sec. No.

Survey by J.P. MENNE Notes J.P.M. | Notes Chkd. | Checked | Indexed | Date | Date | Date

STATION	B.S.	H.I.	F.S.	ELEV.	LEFT	
237+50		21 87				
			6 3	15 6	475' L	
			6 4	15 5	535' L	TOE S.
238+00						BULKHEAD LINE
			8 9	13 0	30' L	TOP BANK ABOVE BLK. DITCH
			9 8	12 1	50' L	
			7 6	14 3	115' L	
			5 0	16 9	167' L	
			4 6	17 3	222' L	
			5 1	16 8	280' L	
			4 7	17 2	332' L	
			5 1	16 8	390' L	
			5 2	16 7	448' L	
			5 7	16 2	500' L	
			5 1	16 8	555' L	TOE S.
238+50						BULKHEAD LINE
			8 4	13 2	30' L	TOP BANK ABOVE BLK. DITCH
			9 6	12 3	69' L	
			7 0	14 9	122' L	
			5 0	16 9	170' L	
			4 4	17 5	228' L	

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LEFT	
238+50		21 87				
			5 3	16 6	285' L	
			5 3	16 6	335' L	
			5 2	16 7	395' L	
			4 8	17 1	450' L	
			4 9	17 0	505' L	
			4 7	17 2	560' L	TOE S.
239 ± 00						BULKHEAD LINE
			9 0	12 9	30' L	TOP BANK ABOVE BLK. DITCH
			9 1	12 8	73' L	
			6 6	15 3	128' L	
			4 9	17 0	185' L	
			3 5	18 4	236' L	
			4 9	17 0	292' L	
			5 2	16 7	345' L	
			5 1	16 8	400' L	
			3 8	18 1	455' L	
			4 8	17 1	510' L	
			4 6	17 3	570' L	TOE S.
239+75 T.P.	8 27	21 74	8 40	13 47		

(over)

Profile Notes Red ____ Plotted ____ Job No. 6739.01 Division No. ____
No. ____ Date ____ Date ____ Survey of MARINA DEL REY
X-Sec. Notes Chkd. ____ Checked ____ Survey by J.P. MENNE Notes J.P.M. Date 7-9-61
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

F. B. 2658 PG. 249

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LEFT	
		21 74				
239+50						BULKHEAD LINE
			8 6	13 1	30' L	TOP BANK ABOVE BLK. DITCH
			8 6	13 1	74' L	
			6 6	15 1	130' L	
			4 9	16 8	190' L	
			3 9	17 8	245' L	
			4 4	17 3	310' L	
			4 7	17 0	370' L	
			3 8	17 9	430' L	
			4 0	17 7	490' L	
			5 0	16 7	540' L	
			5 0	16 7	580' L	TOE S.
240+00						BULKHEAD LINE
			8 3	13 4	30' L	TOP BANK ABOVE BLK. DITCH
			9 2	12 5	75' L	
			7 0	14 7	129' L	
			4 8	16 9	181' L	
			3 8	17 9	232' L	
			4 5	17 2	286' L	
			4 7	17 0	342' L	

F.B. 2658 Pg. 250
Job No. 0739.01 Division No. Notes Red Plotted Profile
Survey of MARINA DEL REY Date Date No.
Survey by J.P. MENNE Notes J.P.M. Notes Chkd. Checked X-Sec.
Indexed J. E. OTT Date Date Date No.

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LEFT	
240 +00		21 74				
			5 8	15 9	396' L	
			4 6	17 1	452' L	
			4 0	17 7	510' L	
			4 5	17 2	555' L	
			4 3	17 4	585' L	TOE S.
240 +50						BULKHEAD LINE
			7 4	14 3	30' L	TOP BANK ABOVE BLK. DITCH
			8 6	13 1	80' L	
			6 8	14 9	133' L	
			4 5	17 2	190' L	
			4 5	17 2	245' L	
			5 0	16 7	295' L	
			5 4	16 3	348' L	
			5 4	16 3	400' L	
			4 0	17 7	458' L	
			4 2	17 5	508' L	
			4 0	17 7	550' L	
			3 6	18 1	582' L	TOE S.
241 +00						BULKHEAD LINE
			8 0	13 7	25' L	TOP BANK ABOVE BLK. DITCH

Profile Notes Red ____ Plotted ____ Job No. 6739.01 Division No. ____
No. ____ X-Sec. ____ Date ____ Date ____ Survey of MARINA DEL REY
No. ____ Notes Chkd. ____ Checked ____ Survey by J.P. MENNE Notes J.P.M. Date 2-9-61
Date ____ Date ____ Map No. ____ Indexed H. E. OH Date ____

F.B. 2658 PG. 251

76L-298 CE 307 11-58

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LEFT	
241+00		21 74				
			8 0	13 7	83' L	
			6 8	14 9	138' L	
			4 9	16 8	194' L	
			5 0	16 7	250' L	
			4 7	17 0	305' L	
			6 0	15 7	360' L	
			5 0	16 7	416' L	
			4 8	16 9	470' L	
			4 2	17 5	525' L	
			4 0	17 7	585' L	TOE S.
241+50						BULKHEAD LINE
			8 3	13 4	30' L	TOP BANK ABOVE BLK. DITCH
			8 2	13 5	84' L	
			6 6	15 1	134' L	
			5 1	16 6	182' L	
			4 7	17 0	234' L	
			3 9	17 8	284' L	
			3 4	18 3	334' L	
			3 1	18 6	390' L	
			3 9	17 8	435' L	

F.B. 2658 PG. 252
Job No. 0739.01
Division No.
Notes Red
Plotted
Profile
Survey of MARINA DEL REY
Date
Date
No.
Survey by J.P. MENNE
Notes J.P.M.
Notes Chkd.
Checked
X-Sec.
Indexed
Date
Date
No.

76L-298 CE 307 11-58

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LEFT	
241+50		21 74				
			4 4	17 3	490' L	
			4 0	17 7	535' L	
			3 7	18 0	585' L	TOE S.
242+00						BULKHEAD LINE
			9 6	12 1	30' L	TOP BANK ABOVE BLK. DITCH
			7 2	14 5	60' L	
			7 0	14 7	114' L	
			5 6	16 1	163' L	
			5 4	16 3	215' L	
			3 1	18 6	265' L	
			3 2	18 5	312' L	
			3 2	18 5	365' L	
			3 5	18 2	420' L	
			3 6	18 1	470' L	
			4 0	17 7	525' L	
			4 2	17 5	580' L	TOE S
T.P. 242+50	5 57	19 91	7 40	14 34		BULKHEAD LINE
			9 6	10 3	26' L	TOP BANK ABOVE BLK. DITCH
			4 3	15 6	57' L	TOP BANK
			4 3	15 6	73' L	" "

Profile No. X-Sec. No. Notes Red Date Notes Chkd. Date Plotted Date Checked Date Job No. 0739.01 Division No. Survey of MARINA DEL REY Survey by J.P. MENNE Notes J.P.M. Date 2-9-61 Map No. Indexed B. E. OTT Date

F.B. 2658 PG. 253

76L-298 CE 307 11-58

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LEFT	
242+50		19 91				
			8 2	11 7	85' L	BOTT. BANK
			8 4	11 5	101' L	" "
			6 1	13 8	106' L	TOP BANK
			4 6	15 3	163' L	
			2 6	17 3	214' L	
			1 9	18 0	270' L	
			1 7	18 2	320' L	
			1 8	18 1	385' L	
			1 6	18 3	425' L	
			1 9	18 0	478' L	
			2 9	17 0	530' L	
			2 8	17 1	570' L	
243+00						BULKHEAD LINE
			11 0	8 9	24' L	TOP BANK ABOVE BLK. DITCH
			4 6	15 3	66' L	TOP BANK
			13 7	6 2	80' L	BOTT. "
			12 6	7 3	106' L	" "
			8 0	11 9	112' L	TOP BANK
			6 9	13 0	165' L	
			4 5	15 4	215' L	

F.B. 2658 PG. 254

Job No. 0739.01 Division No. Notes Red Plotted Profile
Survey of MARINA DEL REY Date Date No. X-Sec.
Survey by J.P. MENNE Notes J.P.M. Notes Chkd. Checked
Indexed H.E. OTT Date Date Date No.

76L-298 CE 307 11-58

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LEFT	
243 + 00		19 91				
			4 0	15 9	270' L	
			2 9	17 0	320' L	
			3 2	16 7	375' L	
			1 9	18 0	430' L	
			2 2	17 7	480' L	
			4 8	15 1	530' L	
			3 6	16 3	560' L	TOE S.
243 + 50						BULKHEAD LINE
			11 3	8 6	25' L	TOP BANK ABOVE BLK. DITCH
			6 4	13 5	60' L	TOP BANK
			14 3	5 6	79' L	BOTT BANK
			14 3	5 6	131' L	
			14 1	5 8	185' L	BOTT BANK
			6 3	13 6	223' L	TOP BANK
			5 4	14 5	275' L	
			3 9	16 0	330' L	
			3 0	16 9	390' L	
			3 0	16 9	450' L	
			4 7	15 2	510' L	
			4 3	15 6	550' L	TOE S

Profile Notes Red ____ Plotted ____ Job No. 6739.01 Division No. ____
No. ____ Date ____ Date ____ Survey of MARINA DEL REY
X-Sec. Notes Chkd. ____ Checked ____ Survey by J. P. MANNE Notes J.P.M. Date 7-9-61
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

F.B. 2658 Pg. 255

76L-298 CE 307 11-56

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LEFT	
		19 91				
243 +66			6 5	13 4	275' L	TOP BANK
243 +77			3 9	16 0	330' L	"
			3 8	16 1	390' L	"
			3 8	16 1	450' L	"
243 +85			11 9	8 0	275' L	BOTT BANK
244 +00			14 1	5 8	330' L	" "
			12 3	7 6	390' L	" "
			12 3	7 6	450' L	" "
			7 4	12 5	540' L	TOP BANK
244 +30			16 3	3 6	540' L	BOTT BANK
			9 90	10 01	T.B.M. - S-3	EL. - 10.035 F.B. 2679 - BT. SPK. TOP WALL BULKHEAD STA. - 244 +08 ±

F.B. 2658 PG. 256

Job No. 0739.01 Division No. ____ Notes Red ____ Plotted ____ Profile ____

Survey of MARINA DEL REY Date ____ Date ____ No. ____

Survey by J.P. MENNE Notes J.P.M. Notes Chkd. ____ Checked ____ X-Sec. ____

Indexed H. E. OTT Date ____ Date ____ Date ____ No. ____

Notes Ck'd by	Survey of Marina Bulkhd.	F. B. 2658 Pg. 257
Map No.	JN 0739.01 Tape Std °F	
Office Work	Surveyed by English	
Checked	Notes Ed. Date 4-4-61	
Date	Indexed M. E. OTT SEP 2 9 '61	

MARINA DEL REY

J.N. 0739.01

CHANNEL BOTTOM
CROSS-SECTIONS
ADJACENT TO
BULKHEADS

DATUM
MEAN LOWER LOW WATER
Add ~~SUB~~, 2.78 FT. TO CONVERT TO
MEAN SEA LEVEL DATUM

April 4, 1961
English
Shoemaker
Foulger
Dupuis
Tollison

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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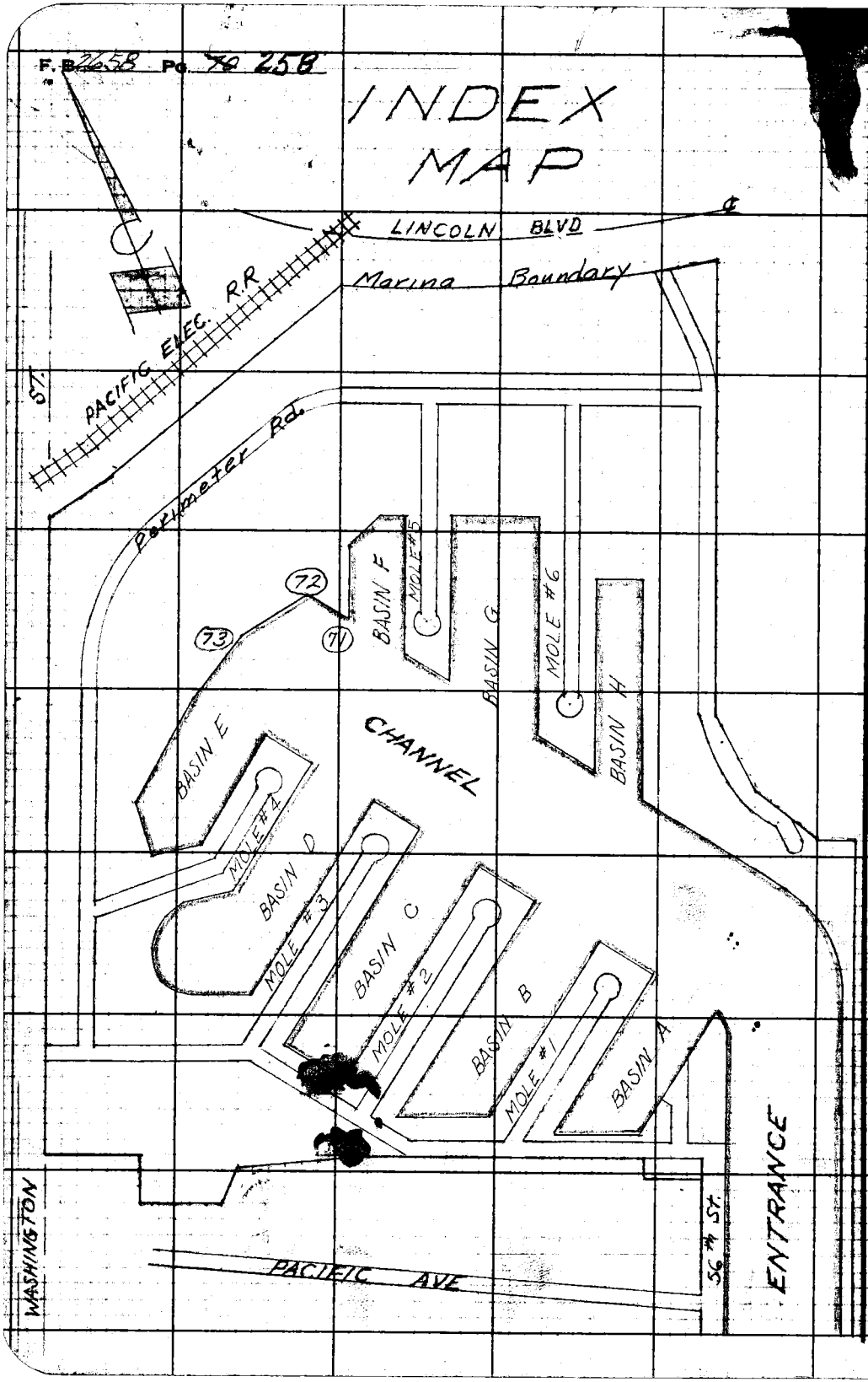
76F209S CE #247—3-57

F. B. 2658 Pg. ~~70~~ 258



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CE 307 11-58

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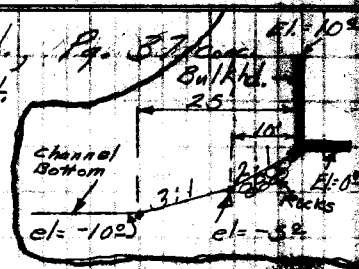
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	Water elev.	Test line	ELEV.	
Cor. 266+87.51	-7 4	2 6 (10 P.M. 4-4-61)		10 0	Top conc. Bulkhd., Pg. 37
			5 5	-2 9	10' R., channel bot.
			6 5	-3 9	17.5' R., " "
			9 0	-6 4	25' R., " "
			13 0	-10 4	30' R., " "
266+00			7 0	-4 4	10
			10 0	-3 4	17.5
			11 0	-6 4	25 Same
			11 5	-8 9	30
265+00			7 0	-4 4	10
			6 5	-3 9	17.5
			9 0	-6 4	25 Same
			11 5	-8 9	30
264+00			7 0	-4 4	10
			5 0	-2 4	17.5
			7 0	-4 4	25 Same
			8 0	-5 4	30
260+00	-7 4	2 6 (3 P.M. 4-13-61)		10 0	Top conc. Bulkhd.
			4 5	-1 9	10'
			7 0	-4 4	17.5 Same
			13 5	-10 9	25



Note:
Per Plan

Dist.	elev.
10'	-5'
17.5	-7.5
~~25'~~	~~-10'~~
30'	-10'

DATUM
MEAN LOWER LOW WATER
Add SUB, 2.78 FT. TO CONVERT TO
MEAN SEA LEVEL DATUM

Profile No. ___ Notes Red ___ Date ___ Plotted ___ Date ___ Job No. 0739.01 Division No. 11 Survey of Marina Del Rey
X-Sec. No. ___ Notes Chkd. J.S.H. Date 9-29-61 Checked ___ Date ___ Survey by English Notes Ed. Date 4-
Map No. ___ Indexed R. E. Ott Date ___
E.B. 265

76L-298 CE 307 11-58

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

Do not extend notes this side of this line.

STATION	B.S.	Water Elev.	Lead line	ELEV.	
256+00		2 6	6 0	-3 4	10' R. bottom
			10 5	-7 9	17.5' " "
			11 0	-8 4	25' " "
			11 0	-8 4	30' " "
251+00			7 0	-4 4	10' R. "
			10 0	-7 4	17.5 " "
			11 0	-8 4	25' " "
			11 5	-8 9	30' " "
248+00	-7 5	2 5 (3 P.M. 4-14-61)		10 0	Top conc. Bulkhd.
			5 5	-3 0	10' R.
			8 5	-6 0	17.5' " Bottom
			9 5	-7 0	25' "
			10 0	-7 5	30' "
[illegible]2+00	-7 4	2 6 (2 P.M. 4-19-61)		10 0	Top conc. Bulkhd.
			7 0	-4 4	10' R.
			15 5	-12 9	17.5 " Bottom
			15 5	-12 9	25' "
			16 5	-13 9	30' "
251+00			9 0	-6 4	10' "
			12 [illegible]	-9 4	17.5' "
			[illegible]	-12 4	25' "

X

Survey of Marina Bulkhds Job No. 0739.01 Division No. 4 Notes Red Plotted Profile
Survey by [illegible] Notes Ed Date Date No. X-Sec.
Indexed [illegible] Date Notes Chkd. I.S.H. Checked Date 9-29-61 Date No.

CE 207 11-58

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

Do not extend notes this side of this line.

STATION	B.S.	[illegible]	[illegible]	ELEV.			
Bulkhd. 250+00		2 6	5 5	-2 9	10'	R	
			10 5	-7 9	17 5'	"	Bottom
			14 0	-11 4	25'	"	
			14 5	-11 9	30'	"	
249+00			5 0	-2 4	10'	"	
			14 5	-11 9	17 5	"	
			15 5	-12 9	25'	"	"
			16 0	-13 4	30'	"	
248+00			5 0	-2 4	10'	"	
			10 5	-7 9	17 5	"	
			14 0	-11 4	25'	"	"
			14 5	-11 9	30'	"	
247+00			6 5	-3 9	10'	"	
			13 0	-10 4	17 5	"	"
			15 0	-12 4	25	"	
			15 0	-12 4	30	"	
246+00			7 0	-4 4	10	"	"
			13 0	-10 4	17 5	"	
			16 0	-13 4	25	"	
			16 0	-13 4	30	"	"
[illegible]+00			7 0	-4 4	10'	"	

Profile Notes Red _____ Plotted _____ Job No. [illegible] Dist. [illegible] No. 11 F.B. 2658 Pg. 76
No. _____ Date _____ Date _____ Surveyed Mar. Del Rey
X-Sec. Notes Chkd. J.S.H. Checked _____ Surveyed by Engl. Notes Ed. Date 4-19-61
No. _____ Date 9-29-61 Date _____ Map No. _____ Indexed H. E. OTT Date _____

			14 0	-11 4	25	"	"
			14 0	-11 4	30	"	"
244+00	-7 5	+ 2 5 (10 A.M. 4-21-61)		10 0	Top conc. Bulkhd		
			10 0	- 7.5	10'	R.	Bottom
			-15 0	-12.5	17.5'	"	"
			-15 0	-12 5	25'	"	"
			-15.0	-12 5	30'	"	"
243+00			- 6 0	- 3 5	10'	"	"
			-12 0	- 9 5	[illegible]5	"	"
			-12 0	- 9 5	25'	"	"
			-13 0	-10 5	30'	"	"
242+00			- 7 0	- 4 5	10'	"	"
			-11.5	- 9 0	17.5'	"	"
			-12 0	- 9 5	25'	"	"
			-13 0	-10 5	30'	"	"

X

Survey of Marina Division No. 11 Notes Red Date
Survey by English Notes Red Date Notes Chkd J.S.H. Date 9-29-61