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

Survey of CABRILLO BEACH
JN 03002 Tape 02 Std 68 °F
Surveyed by J. BAZEN
Notes J.N.B. Date 1-78
Indexed G. D. BAILEY MAR 7 1978

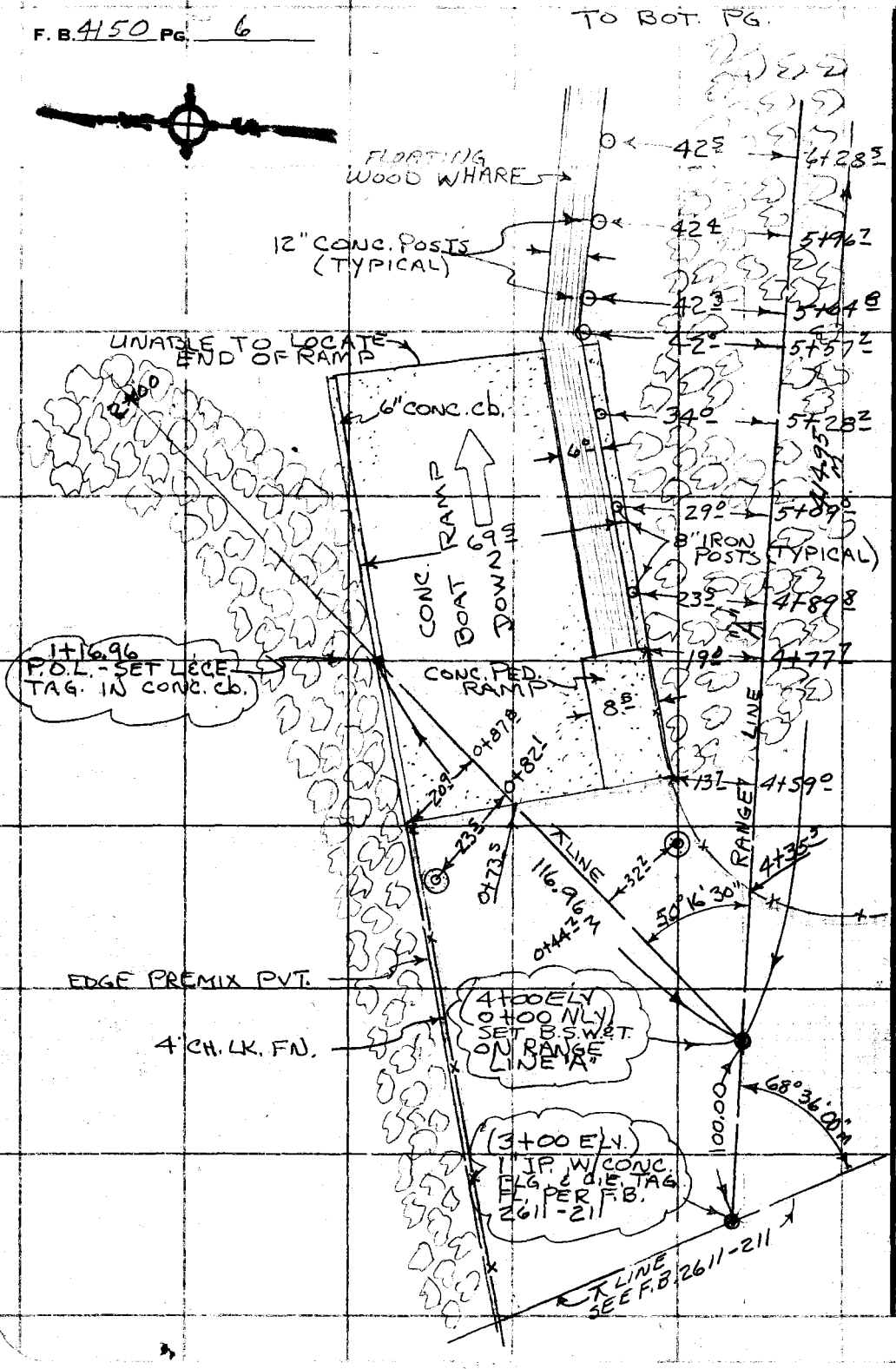
F. B. 4150 PG. 5

J.N. 0300.02
CABRILLO BEACH LAUNCHING AREA
TOPO & X-SECTIONS
(ROCK GROINS & RAMP AREA)

REF'S: F.B. 2611 - 209 - 218

PARTY
BAZEN, J.N.
SCHUMAKER, C.E.
PETERSON, D.C.
JACKSON, H.L.

F. B. 4450 PG. 6



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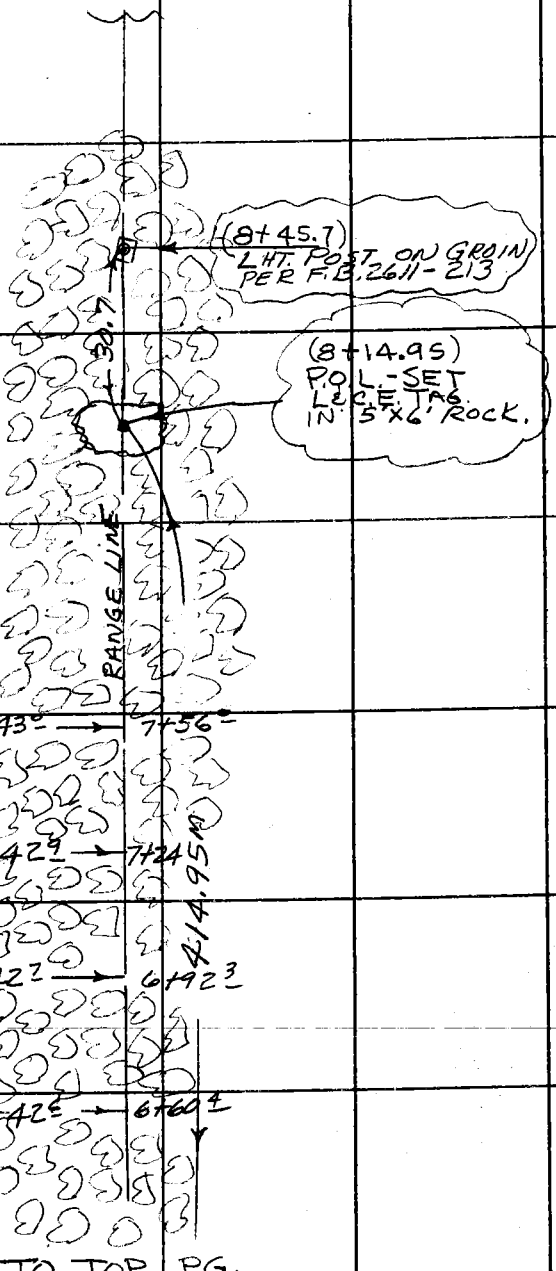
Notes Ck'd by	Survey of CABRILLO BEACH	F. B. 4150 PG. 7
Map No.	JN 0300.02 Tape 02 Std 68 °F	
Office Work	Surveyed by BAZEN	
Checked	Notes J.J.B. Date 1-78	
Date	Indexed G. D. BAILEY MAR 7 1978	



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76F309S CE#310 3-68

F. B. 4150 PG. 8

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76-L-298 CE 307 2-63

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STATION	B. S.	H. I.	F. S.	ELEV.	USED T.B.M. #103 EL=14.57 F.B. 2611-217
Going Ely Along Range Line A					
3+00				11.51	1" I.P. in pumt fl.
				11.42	42' L E.P. & Top Brk.
				8.6	55' L Brk. Top Rock
				3.7	66 L Sand at Bot Rock
3+50				11.03	℄
			LENKER ROD	10.92	56.5 L E.P. & Top Brk.
				8.7	66 L Brk Top Rock
				3.9	77 L Sand at Bot Rock
4+00				10.63	℄
				10.22	70 L E.P. & Top Brk.
				9.2	79 L Brk Top Rock
				3.3	92 L Sand at Bot Rock
4+35.5				9.97	℄ E.P.
4+35.5				9.7	℄ Sand.
4+[illegible]50				9.0	℄ Sand
				9.1	25' R

X-SECTIONS OF ROCK GROINS
& BOAT RAMP - FOR TOPO SEE
F.B. 4150-5-7
DATUM = M.L.L.W.

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 4150 Pg. 9
X-Sec. No. ____ Date ____ Date ____ Survey of CABRILLO BEACH BOAT RAMP
Notes Chkd. ____ Checked ____ Survey by BAZEN Notes C.E.S. Date 2-78
Date ____ Date ____ Map No. ____ Indexed G. D. BAILEY Date MAR 7 1978

76-L-298 CE 307 2-63

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6.8

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F.B. 4450 Pg. 10 | Job No. 63402 | Division No. 11 | Notes Red | Plotted | Profile
Survey of CABRILLO BEACH | Date | No. | X-Sec.
Survey by BAZEN Notes C.E.S. | Date | Notes Chkd. | Checked | No.
Indexed G.D. BAILEY Date MAR 7 1978 | Date | Date

STATION	B.S.	H.I.	F.S.	ELEV.	Going E'ly on Range Line A
4+50				8.9	10⁴ L Sand
				9.02	10⁵ L EP
4+59				8.5	13⁶ L Sand
				8.71	13⁷ L Top Cor. Conc.
4+77.7				5.5	18⁹ L Gravel
				6.75	19⁰ L Top conc ramp
				7.49	19¹ L Top conc. walk
5+00			LEVELER ROD	6.4	℄ Top Brk
				7.5	15 R Top Rock
				7.5	25 R Sand
				2.8	24 Bot Rock
				3.5	26 L Conc. Ramp
5+50				8.0	4 R Top Rock
				7.5	6 R Sand E. Rock
				7.1	25 R Sand
				7.5	6⁵ L Top Rock
				1.2	25 L Bot Rock
				1.0	40 L Sand (Edge of dock.)
6+00				7.9	4 R Top Brk. Rock
				7.4	7 R Sand @ E. Rock
				8.1	25 R Sand

76-L-298 CE 307 2-63

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STATION	B. S.	H. I.	F. S.	ELEV.	Going E'ly along	Range Line A
6+00				7.8	1.5 L Top Brk	
				0.5	25 L Bot Rock	
				-0.1	42 L Sand	
6+50				8.2		3 R Top Brk
				6.0		6 R Sand @ E. Rock
				6.8		25 R Sand
				8.2	3.0 L Top Rock	
				5.0	3.2 L Bot Brk	
				5.0	10 L Brk	
				0.1	21 L Bot Rock	
				-1.2	42 L Sand (Edge of dock)	
7+00				8.0		4.5 R Top Rock
				4.6		8.5 R Sand @ E. Rock
				4.4		50 R
				7.0	3.0 Top Rock	
				-1.0	21 Bot Rock	
				-2.7	42.5 Sand (at edge of dock)	
7+50				7.8		4 R Top Rock
				1.0		21 R Bot Rock
				0.7		50 R Sand
				7.6	4.0 L Top Rock	

LENKER ROD

Profile No. X-Sec. No. Notes Red Date Notes Chkd. Date Plotted Date Checked Date Job No. 03002 Division No. 11 Survey of CABRILLO BEACH Survey by BAILEY Notes C.S.S. Date 2-72 Map No. Indexed C. D. BAILEY Date MAR 7 1978

F.B. 4150 Pg. 11

76-L-298 CE 307 2-63

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STATION	B.S.	H.I.	F.S.	ELEV.	Going E'ly Along Range Line A	
7+50						
				-2.7	25 L Bot Rock	
				-5.4	42.5 L Sand	
7+86				7.5		6 R Top Brk
				5.0		8 R Brk
			LENKER ROD			
				7.0	4 L Top Brk	
				5.1	12 L Brk	
7+87				5.2		℄
				5.0		8 R Top Brk
				5.0	12 L Top Brk	
8+00				5.1		8 R Top Brk
				-1.6		23 R Bot Rock
				-2.3		50 R Sand
				5.0	10 L Top Brk	
				5.1	27 L Bot Rock	

F.B. 4150 PG. 12
Job No. 1300.02 Division No. 11 Notes Red Date Plotted Date Profile No.
Survey of CABRILLO BEACH Notes Chkd. Date Checked Date X-Sec. No.
Survey by BAZEN C.E.S.
Indexed G. D. BAILEY Date MAR 7 1978

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STATION	B. S.	H. I.	F. S.	ELEV.		
	Going E'ly Along Range Line A					
8+13				5.1		5 R Top Brk
				5.0	4' L Top Brk	
8+14				6.4		5' R Top Brk
				6.5	4 L Top Brk	
8+45				8.41		℄ Top Conc Light Base
8+50				6.1		℄
				6.0		5 R Top Brk
				-4.9		28 R Bot Rocks
				-3.8		50 R Sand
				5.9	5° L Top Brk	
				-6.0	27 L Bot Rocks	
8+55				6.4		℄ Top Rocks
8+60				4.2		℄ Brk
8+76				-5.6		℄ Bot Rocks

LENKER ROD

CONT: ON FATHOMETER

Profile No. X-Sec. No. Notes Red Date Notes Chkd Date Plotted Date Checked Date Job No. 03000 Division No. 11 Survey of CABRILLO BEACH Survey by BAZEN Notes C.E.S. Date 2-78 Map No. Indexed G. D. BAILEY Date Feb 7 1978

F.B. 4150 Pg. 13

76-L-298 CE 307 2-63

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STATION	B.S.	H.I.	F.S.	ELEV.	(SEE F.B. 4150-6 FOR TOPO)
GOING N.E. ON ⊼ LINE FROM 4+00 RANGE LINE "A" = 0+00 N.E. ON ⊼ LINE					
0+00				10.63	⊼/L Pum T
0+50				9.69	⊼/L
0+53.3				8.73	29.7 R Edge Walk Edge Ramp
0+68.5				9.44	40.9 R Conc Walk
				6.81	41.0 R Conc Ramp
0+73.5				8.70	⊼/L Ed Conc Ramp
0+87.8				8.69	20.8 Con Conc Ramp
				9.27	20.9 Top Cb.
0+89.5				2.52	65.0 Edge Ramp @ Sand
1+00				6.50	⊼/L
				2.52	44' R
				7.33	11.9 L Edge Conc Ramp
				7.95	12 L Top Cb.
				7.5	13 L Top Rock
				7.4	22 L Top Brk
				6.3	28 L Brk
				3.0	35 L Sand Bot of Rock
				3.2	45 L Sand
1+16.4				4.45	⊼/L Edge Conc Ramp
1+16.5				5.05	⊼/L Top Cb.

LENILER ROD

F.B. 4150 Pg. 14
Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile
Survey of CABRILLO BEACH Date Date No.
Survey by BAREN Notes C.E.S. Notes Chk'd. Checked X-Sec.
Indexed B. D. BAILEY Date MAR 7 1978 Date Date No.

76-L-298 CE 307 2-63

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STATION	B. S.	H. I.	F. S.	ELEV.		
Going N'Ely Along T/L (NLY GROIN)						
1+17				4.6		T/L Rock
				5.8	13 L Top Rock	
				2.9	28 L Bot Rock & Sand	
				2.7	38 L Sand	
1+31				2.66		10.0 R T Cb
				2.00		10.1 R Edg. Conc Ramp
1+50			LENKER ROD	5.7		T/L Top Brk
				5.5		3 R Top Brk
				3.6		15 R Rock (SIDE)
				2.3	12 L Bot Rock & Sand	
				2.0	22 L Sand	
2+00				5.4		2 R Top Brk
				2.1		8 R
						& SAND
				4.5	7 L Top Brk	
				1.8	13 L Bot Rocks & Sand	
				1.9	23 L Sand	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 03000.02 Division No. 11 F.B. 4150 Pg. 15
Date ____ Date ____ Survey of CABRILLO BEACH
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by BAZEN Notes C.E.S. Date 2-78
Date ____ Date ____ Map No. ____ Indexed G. D. BAILEY Date MAR 7 1978

76-L-298 CE 807 2-63

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STATION	B.S.	H.I.	F.S.	ELEV.	TBM El = 1457
Going N Ely along T/L (NLY GROIN)					
2+21				3.4	T/L Top Brk
				−0.5	9 R Bot Rock & Sand
					~~R Sand~~
				4.3	4° L Top Rocks
				2.[illegible]	15 L Top Brk
				0.[illegible]	18 L Bot Rocks & Sand
2+29			LENKER ROD	2.[illegible]	4 L Top Brk Rocks
2+32				−0.9	5 L Bot Rocks & Sand

F.B. 4150 Pg. 16 Job No. P300.02 Division No. 11 Notes Red Plotted Profile
Survey of CABRILLO BEACH Date Date No. X-Sec.
Survey by BAZEN Notes C.E.S. Notes Chkd. Checked
Indexed G. D. BAILEY Date MAR 7 1978 Date Date No.

76-L-298 CE 307 2-63

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STATION	B. S.	H. I.	F. S.	ELEV.	
T.B.M. #103	1.86	16.43		14.57	T.B.M. #103 EL = 14.57 PER F.B. 2611-217
SET T.B.M. "B"	7.42	16.11	7.74	8.69	T.B.M. "B" = INT. OF ⊼ LN. & RANGE "B" 2+80± PER F.B. 2611-211
SET T.B.M. "A"	0.56	11.18	5.49	10.62	T.B.M. "A" B.S.W. & T. ON RANGE LINE "A" @ 4+00 E. & 0+00 N.ELY. PER F.B. 1450-6.
GOING	E. ON RANGE LN. "B" STARTING @ 4+00 (SEE F.B. 2611-211)				
		11.18			
4 +00			0.90	10.28	PVT.
+50			2.52	8.66	CONC. PVT. (RAMP)
5+00			8.60	2.58	" " "
+50			10.1	1.1	SAND OVER "
+75			11.1	0.1	" N. OF FLOATING DOCK
6+00			11.4	-0.2	" " " "
+25			11.7	-0.5	" " " "
+50			12.8	-1.6	" " " "
+75			14.4	-3.2	" " " "
7+00			17.2	-6.0	" " " "
+25			18.7	-7.5	" " " "
+50			18.7	-7.5	" " " "
	CONT. ON FATHOMETER TAPE				

Profile No. X-Sec. No. — Notes Red Date Notes Chkd. Date — Plotted Date Checked Date — Job No. 030002 Division No. 11 Survey of CABRILLO BEACH Survey by BALEN Map No. Notes J.J.B. Date 2-28-78 Indexed G. D. BAILEY Date

F.B. 4150 Pg. 17

76-L-298 CE 307 2-63

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F. B. 4150 Pg. 18 | Job No. 23002 Division No. | Notes Red | Plotted | Profile
Survey of CABRILLO BEACH | Date | Date | No.
Survey by BAZEN Notes J.J.B. | Notes Chkd. | Checked | X-Sec.
Indexed G. D. BAILEY Date MAR 7 1978 | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.		
GOING E. ON RANGE LN. "C"					FROM 2+60.4 PER	F.B. 2611-211-212
T.B.M. "B"	0.6	9.3		8.69	T.B.M. "B" SEE PG. 17.	
2+60.8			5.2	4.1	SAND.	
3+00			5.5	3.8	"	
+50			5.9	3.4	"	
4+00			6.3	3.0	"	
+25			6.4	2.9	BOT. OF ROCK (N.W. SIDE OF GROIN)	
+50			4.1	5.2	ROCK (N. SIDE OF GROIN)	
+75			3.8	5.5	TOP OF GROIN	
	SEE X-SECTIONS OF GROIN ON PGS 14-16					
CONT: ON FATHOMETER TAPE						

76-L-298 CE 307 2-63

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STATION	B. S.	H. I.	F. S.	ELEV.	
GOING E. ON RANGE LN. "D" FROM 2+41.6 PER F.B. 2611-211, 212					
T.B.M. "B"	0.6	9.3		8.69	T.B.M. "B" - SEE PG. 17.
2+41.6			3.7	5.6	SAND
3+00			6.1	3.2	SAND (BOT. BRK.)
			6.4	2.9	"
			6.8	2.5	"
			7.4	1.9	"
4±94			8.0	1.3	" (BOT BRK)
5 +11			7.9	1.4	BOT. ROCK (N.W. SIDE. GROIN)
+25			4.7	4.6	TOP OF GROIN

SEE X-SECTIONS OF GROIN PG'S 14-16

CONT: ON FATHOMETER TAPE

Profile No. ____ Notes Red ____ Plotted ____ Job No. 030012 Division No. 11 F.B. 4158 Pg. 19
Date ____ Date ____ Survey of CABRILLO BEACH
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by BAZEN Notes J.J.B. Date 2-28-78
Date ____ Date ____ Map No. ____ Indexed G. D. BAILEY Date MAR 7 1978

76-L-298 CE 307 2-63

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STATION	B.S.	H.I.	F.S.	ELEV.		
GOING E. ON RANGE LN. "E" FROM 2+21.6 PER F.B. 2611-211, 212.						
T.B.M. "B"	0.6	9.3		8.69	T.B.M. "B" SEE PG. 17.	
2+21.6			3.0	6.3	SAND	
2+67			6.3	3.0	" (BOT BRK)	
3+00			6.7	2.6	"	
+50			7.3	2.0	"	
4+00			8.0	1.3	"	
+50			8.7	0.6	"	
5+00			9.2	0.1	"	
5+50			10.1	-08	"	

CONT: ON FATHOMETER TAPE

F.B. ~~1450~~ 4150 PG. 20

Job No. 8300.02 Division No. 11 Notes Red ____ Plotted ____ Profile ____

Survey of CABRILLO BEACH Date ____ Date ____ No. ____

Survey by BAZEN Notes J.J.B. Notes Chkd. ____ Checked ____ X-Sec. ____

Indexed G. D. BAILEY Date MAR 7 1978 Date ____ Date ____ No. ____

76-L-298 CE 307 2-63

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STATION	B. S.	H. I.	F. S.	ELEV.	
GOING E. ON RANGE LN. "F" FROM 2+02 PER F.B. 2611-211, 212.					
T.B.M. "B"	0.6	9.3		8.69	T.B.M. "B" SEE PG. 17.
2+02			2.6	6.7	SAND
+27			4.0	5.3	"
+52			5.6	3.7	"
+69			7.4	1.9	SAND (BOT BRK)
3+00			7.7	1.6	"
+50			8.8	0.5	"
4+00			9.8	-0.5	"
4+50			9.8	-0.5	"
5+00			10.1	-0.8	"
5+50			10.4	-1.1	"
CONT: ON FATHOMETER TAPE					

Profile No. ____ Notes Red ____ Plotted ____ Job No. 03M.02 Division No. 11 F.B. 4150 Pg. 21
X-Sec. No. ____ Date ____ Date ____ Survey of CABRILLO BEACH
Notes Chkd. ____ Checked ____ Survey by BAZEN Notes J.J.B. Date 2-28-78
Date ____ Date ____ Map No. ____ Indexed G. D. BAILEY Date MAR 7 1978

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STATION	B.S.	H.I.	F.S.	ELEV.		
GOING E. ON RANGE LN. "G" FROM 1+82.4 PER F.B. 2611-211, 212.						
T.B.M. "B"	0.6	9.3		8.69	T.B.M. "B" SEE PG-17.	
1+82.4			1.6	7.7	SAND	
2+00			3.0	6.3	"	
+25			4.5	4.8	"	
+50			6.2	3.1	"	
+75			8.1	1.2	"	
3+00			9.6	-0.3	" Bot Brk	
3+50			10.5	-1.2	"	
4+00			11.0	-1.7	"	
4+50			11.1	-1.8	"	
5+00			11.3	-2.0	"	
5+50			12.4	-3.1	"	
CONT. ON FATHOMETER						

F.B. 1450 Pg. 22 Job No. 0300.02 Division No. 11 Notes Red Plotted Profile
Survey of CABRILLO BEACH Date Date No. X-Sec.
Survey by BAZEN Notes J.N.B. Notes Chkd. Checked No.
Indexed G. D. BAILEY Date MAR 7 1978 Date Date

76L298 307 Cdb 12-62

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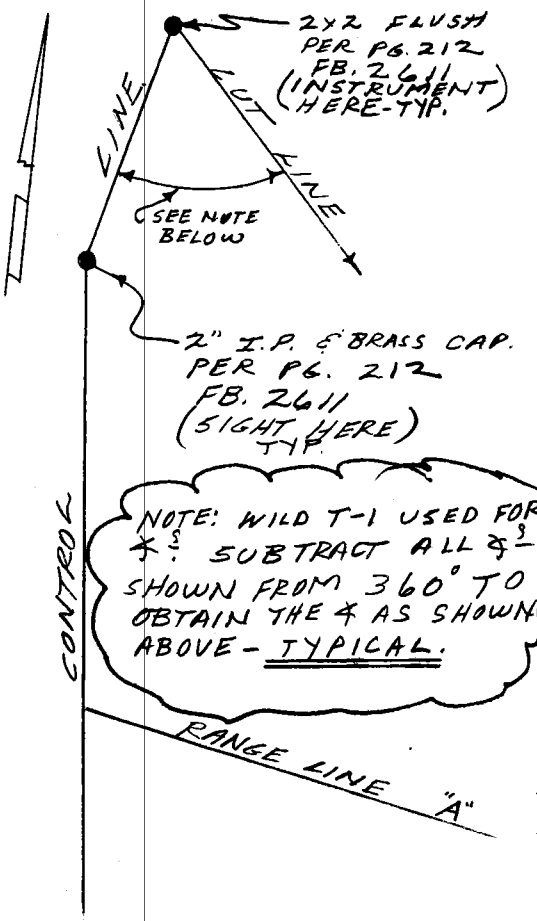
Do not extend notes this side of this line.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	For Office Use Only Range Line Min.	For Office Use Only Card No
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
2X2	2" I.P.	9:53	1	289	50			
			2	294	13			
			3	297	03			
			4	300	04			
			5	302	25			
			6	304	41			
		9:56	7	305	20			

RANGE LINE "A"
CONTINUED FROM PG. 13



Profile Notes Red. Plotted. Job No. Division No. 11
No. Date Date Survey of CABRILLO BEACH
X-Sec. Notes Chkd. Checked Survey by RICHMROS Notes D.P. Date 3-3-78
No. Date Date Map No. Checked C.D. BAILEY Date MAR 7 1978

0752.29
F.B. 4150 Pg. 23

F. B. 4150 PG. 24 | 075629

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

Survey of GABRILLO BEACH Date Date No. X-Sec.

Survey by RICHARDS Notes Notes Chkd. Checked

Indexed G. D. BAILEY Date MAR 7 1978 Date Date No.

INST. AT (DON'T PUNCH)	SIGHT ON (DON'T PUNCH)	TIME (DON'T PUNCH)	ANGLE № (DON'T PUNCH)	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD №

Do not extend notes this side of this line.

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.

76L298 307 Cdb 12-62

76L298 307 Cdb 12-62

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 Los Angeles County Engineering Bldg.

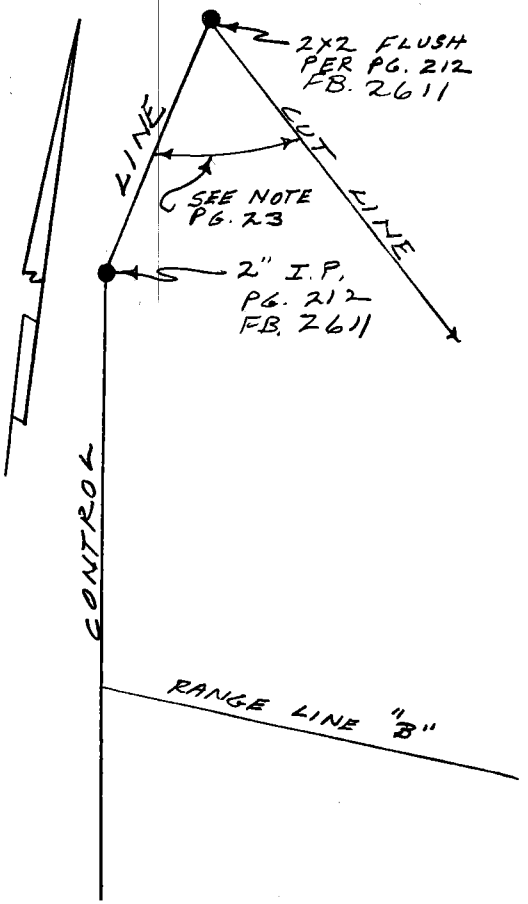
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

CONTINUED FROM PG. 17

Do not extend notes this side of this line.

RANGE LINE "B"

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
2X2	2" I.P.	10:00	1	286	44			
			2	287	02			
			3	288	37			
			4	290	18			
			5	292	09			
			6	293	57			
			7	295	25			
			8	297	05			
			9	298	52			
			10	300	45			
			11	301	45			
			12	303	38			
			13	305	06			
			14	306	49			
			15	308	05			
			16	309	51			
		10:03	17	311	23			



Profile Notes Red. Plotted Job No. 0756.29 Division No. 11 F.B. 4150 Pg. 25
No. Date Date Survey of GABRIELLO BEACH
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes D.P. Date 3-3-78
No. Date Date Map No. Inked G.D. BAILEY Date MAR 7 1978

F. B. 4150 Pg. 26 | 075629 Job No. Division No. ✓ Notes Red. Plotted Profile

Survey of CABRILLO BEACH Date Date No.

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

Indexed G. D. BAILEY Date MAR 7 1978 Date Date No.

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

Do not extend notes this side of this line.

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 Los Angeles County Engineering Bldg.

761.298 307 Gdb 12-62

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

76L298 307 Cdb 12-62

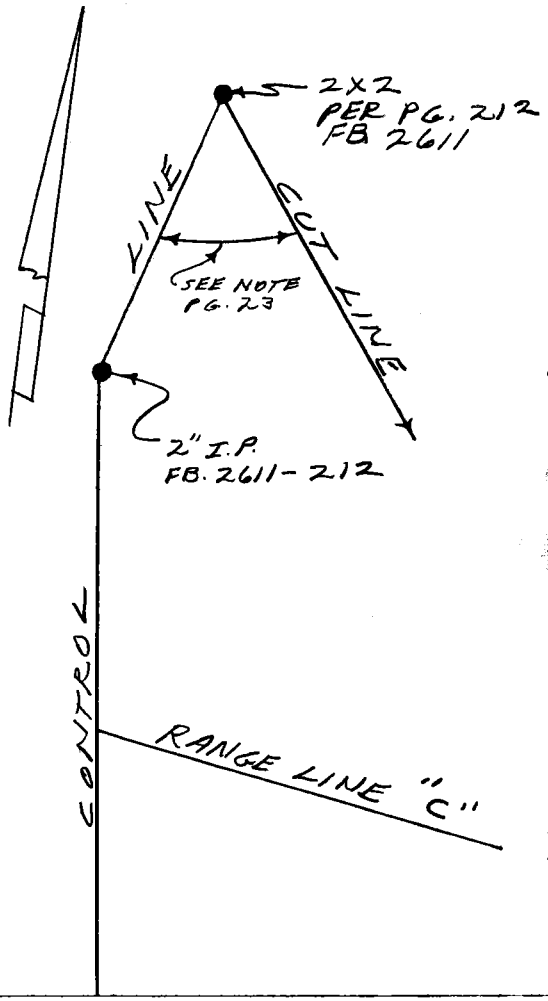
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line. RANGE LINE "C"

CONTINUED FROM PG. 18

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
2x2	2" I.P.	10:08	1	287	32			
			2	289	12			
			3	291	12			
			4	293	10			
			5	295	04			
			6	297	21			
			7	299	04			
			8	300	34			
			9	301	51			
			10	303	04			
			11	304	37			
			12	306	03			
			13	307	05			
			14	308	58			
			15	310	15			
			16	312	02			
			17	313	36			
			18	315	42			
			19	317	28			
		10:11	20	319	48			



Profile Notes Red. Plotted Job No. 075629 Division No. 11 F. B. #150 Pg. 27
No. Date Date Survey of CABRILLO BEACH
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes D. P. Date 3-3-78
No. Date Date Map No. Indexed G. D. BAILEY Date JAN 7 1978

F. B. 4150 Pg. 28 | 075629 Job No. Division No. 11 Notes Red. Plotted Profile

Survey of CABRILLO BEACH Date Date No.

Survey by RICHARD S Notes — Notes Chkd. Checked X-Sec.

Indexed G. D. BAILEY Date MAR 7 1978 Date Date No.

761298 307 Cdb 12-62

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LOS ANGELES COUNTY SURVEYOR

726 Los Angeles County Engineering Bldg.

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

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

Do not extend notes this side of this line.

76L298 307 Cdb 12-62

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

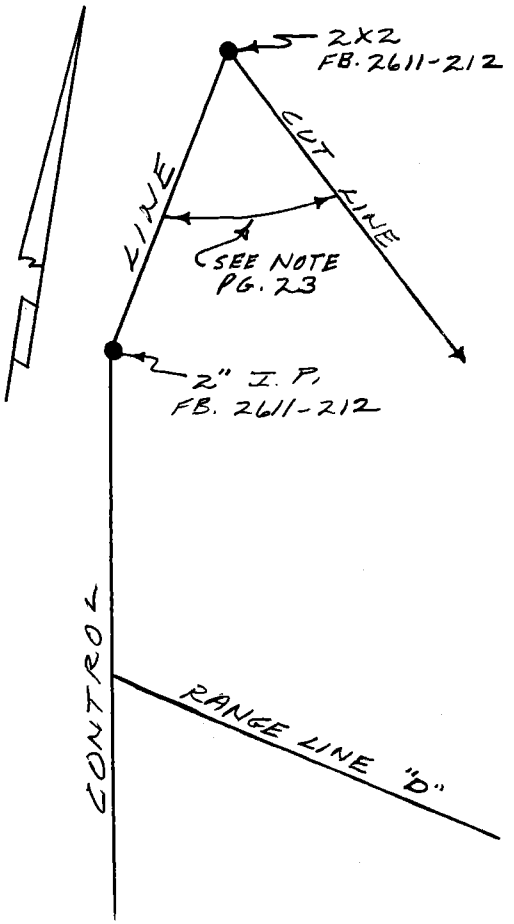
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

RANGE LINE "D"

CONTINUED FROM PG. 19

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
2X2	2" I.P.	10:35	1	284	17			
			2	286	05			
			3	287	36			
			4	289	16			
			5	291	05			
			6	293	02			
			7	294	58			
			8	296	56			
			9	299	00			
			10	301	21			
			11	303	26			
			12	305	23			
			13	307	19			
			14	309	43			
			15	311	45			
			16	313	22			
			17	314	48			
			18	316	00			
		10:38	19	316	51			



Profile Notes Red. Plotted Job No. 0756.29 Division No. 11 F.B. 4150 Pg. 29
No. Date Date Survey of CABRILLO BEACH
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes D.P. Date 3-3-78
No. Date Date Map No. Indexed C.D. BAILEY Date MAR 7 1978

F. B. 4150 PG. 30 | 075629 Job No. Division No. 11 Notes Red. Plotted Profile

Survey of CABRILLO BEACH Date Date No.

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

Indexed G. D. BAILEY Date MAR 7 1978 Date Date No.

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

Do not extend notes this side of this line.

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.

76L298 307 Cdb 12-62

76L298 307 Cdb 12-62

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726 Los Angeles County Engineering Bldg.

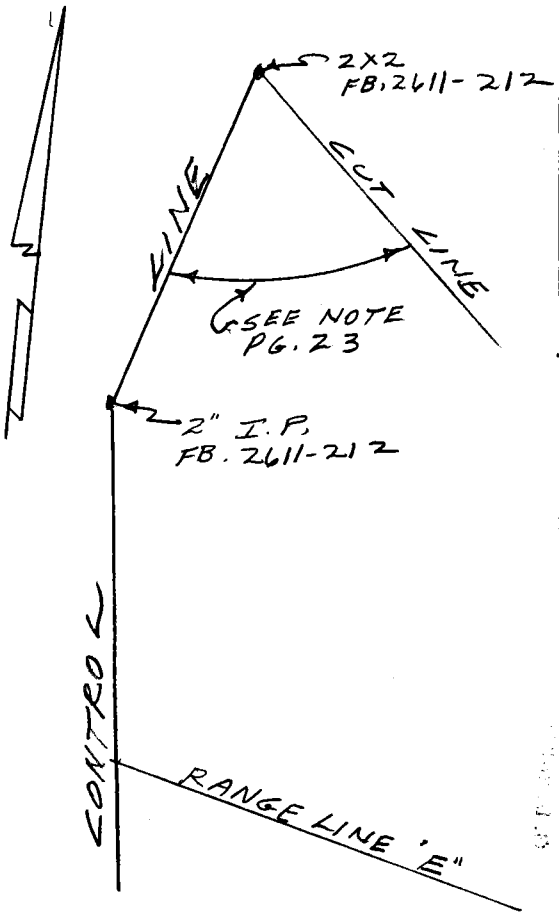
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

RANGE LINE E

CONTINUED FROM PG 20

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
2X2	2" I.P.	10:34	1	282	58			
			2	284	21			
			3	285	49			
			4	287	40			
			5	289	17			
			6	291	14			
			7	293	31			
			8	296	06			
			9	298	40			
			10	301	02			
			11	303	44			
			12	305	49			
			13	308	39			
			14	310	44			
		10:37	15	312	31			



Profile Notes Red. Plotted Job No. 8756.29 Division No. 11 F.B. 4150 Pg. 31
No. Date Date Survey of CABRILLO BEACH D P
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes D P Date 3-3 78
No. Date Date Map No. Mapped G. D. BAILEY Date MAR 7 1978

F. B. 4150 Pg. 32 | 075629 Job No. Division No. 11 Notes Red. Plotted Profile

Survey of CABRILLO BEACH Date Date No.

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

Indexed G. D. BAILEY Date MAR 7 1978 Date Date No.

761298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 Los Angeles County Engineering Bldg.

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

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

Do not extend notes this side of this line.

76L298 307 Cdb 12-62

PLEASE RETURN TO
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726 LOS ANGELES COUNTY ENGINEERING BLDG.

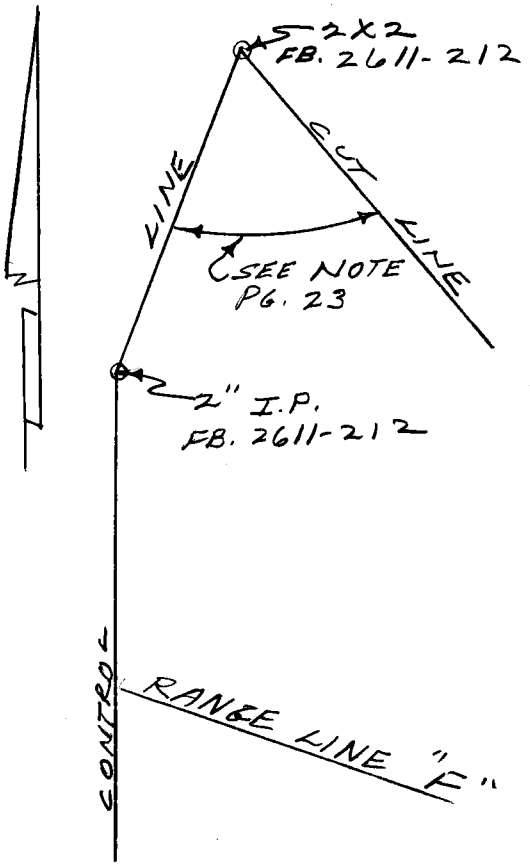
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
2X2	2" I.P.	10:46	1	285	52			
			2	287	39			
			3	289	18			
			4	291	18			
			5	292	31			
			6	294	20			
			7	296	57			
			8	298	44			
			9	300	52			
			10	303	00			
			11	305	21			
			12	307	34			
			13	309	32			
			14	311	07			
		10:51	15	312	41			

Range Line "F"

Con't from pg. 21



Profile Notes Red. Plotted Job No. 6756.29 Division No. 11 F.B. 4150 Pg. 33
No. Date Date Survey of CABRILLO BEACH
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes D.P. Date
No. Date Date Map No. Indexed G. D. BAILEY Date MAR 7 1973

F. B. 4150 Pg. 34 | 0756.29 Job No. Division No. 11 Notes Red. Plotted Profile

Survey of CABRILLO BEACH Date Date No.

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

Indexed G. D. BAILEY Date MAR 7 1978 Date Date No.

761298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

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

76L298 307 Cdb 12-62

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 Los Angeles County Engineering Bldg.

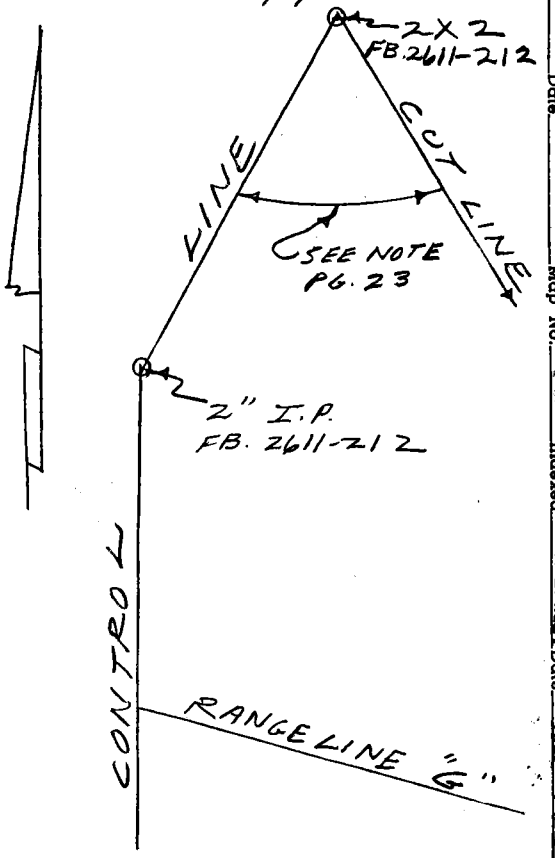
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
2X2	2"I.P.	10:59	1	282	58			
			2	284	44			
			3	286	39			
			4	288	40			
			5	290	23			
			6	292	25			
			7	294	20			
			8	296	23			
			9	298	13			
			10	300	15			
			11	302	47			
			12	305	28			
			13	307	30			
			14	309	57			
		11:01	15	312	22			

Range Line "G"

Cont. from pg. 22



Profile Notes Red. Plotted Job No. 875639 Division No. 4 F.B. 4150 Pg. 35
No. Date Date Survey of CABRILLO BEACH
X-Sec. Notes Chkd. Checked Survey by RICHARDS Noted D.P. Date 3-3-78
No. Date Date Map No. Inked G.D. BAILEY Date MAR 7 1978

F. B. 4150 Pg. 36 | Job No. 0756.29 Division No. 11 Notes Red. Plotted Profile

Survey of CABRILLO BEACH Date Date No.

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

Indexed G. D. BAILEY Date MAR 7 1978 Date Date No.

761298 307 Cdb 12-62

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LOS ANGELES COUNTY SURVEYOR

726 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

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

Notes Ck'd by	Survey of CABRILLO BEACH
Map No.	JN 030002 Tape — Std — °F
Office Work	Surveyed by W. A. RICHARDS
Checked	Notes W.A.R. Date 6-78
Date	Indexed

F.B. 4150 Pg. 37

J.N. 030002

CABRILLO BEACH

BLUFF LINE BOUNDARY SURVEYS

REF: DEPT. OF L.A. CO. ENGR. MAP DATED 5-17-78, PREPARED BY K. CLARKE TITLED "CABRILLO BLUFFS", SHOWING CONTROL FOR DETER-MING CITY OWEND PROPERTY ON TRACT NO. 432

RICHARDS
MYERS
MOODY
BUSTRUM

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

Do not extend this side of this line.

PLEASE RETURN TO
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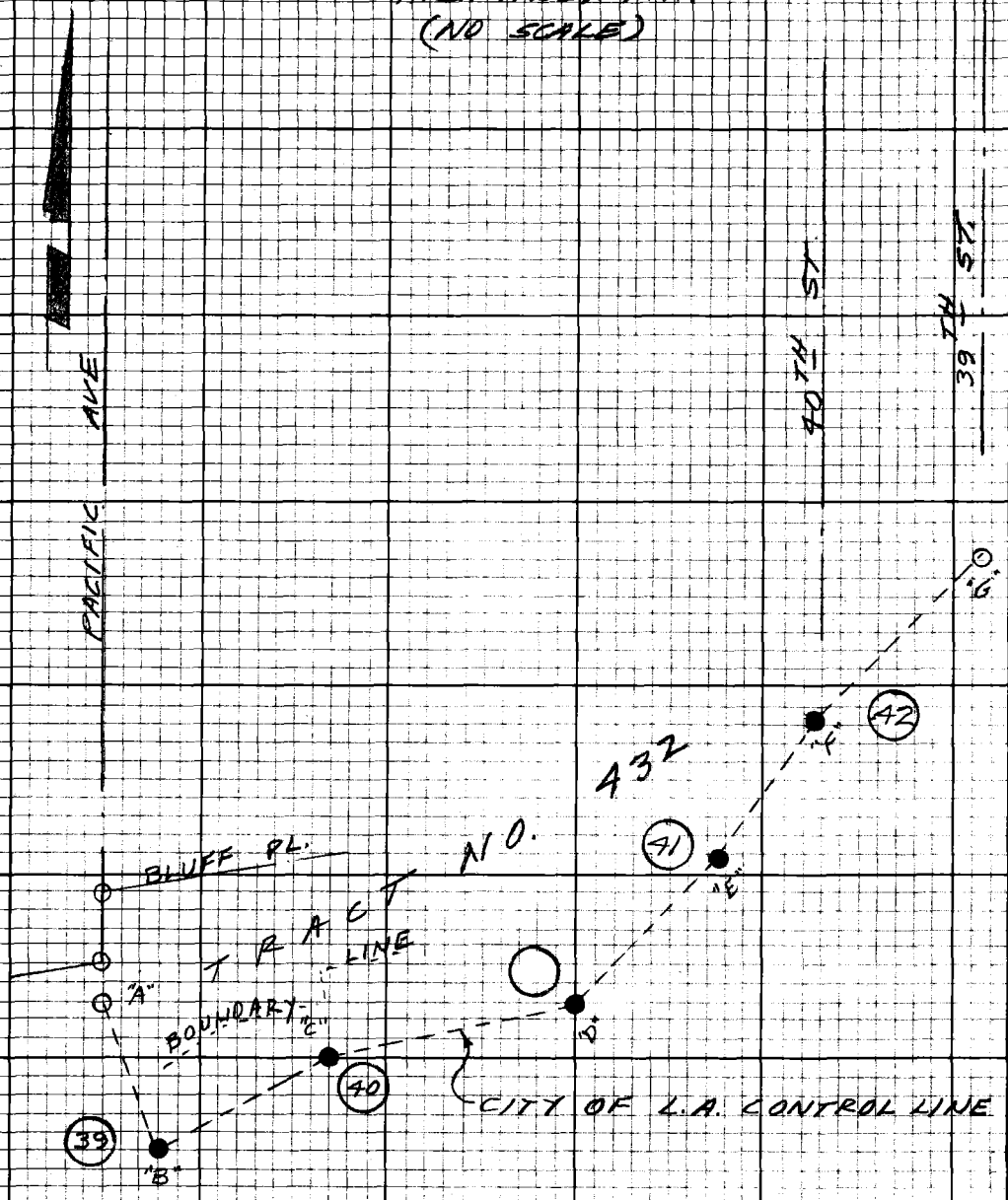
403 LOS ANGELES COUNTY ENGINEERING BLDG.

75F3098 CE #310 8-67

F.B. 4150 Pg. 38

AREA INDEX MAP
(NO SCALE)



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

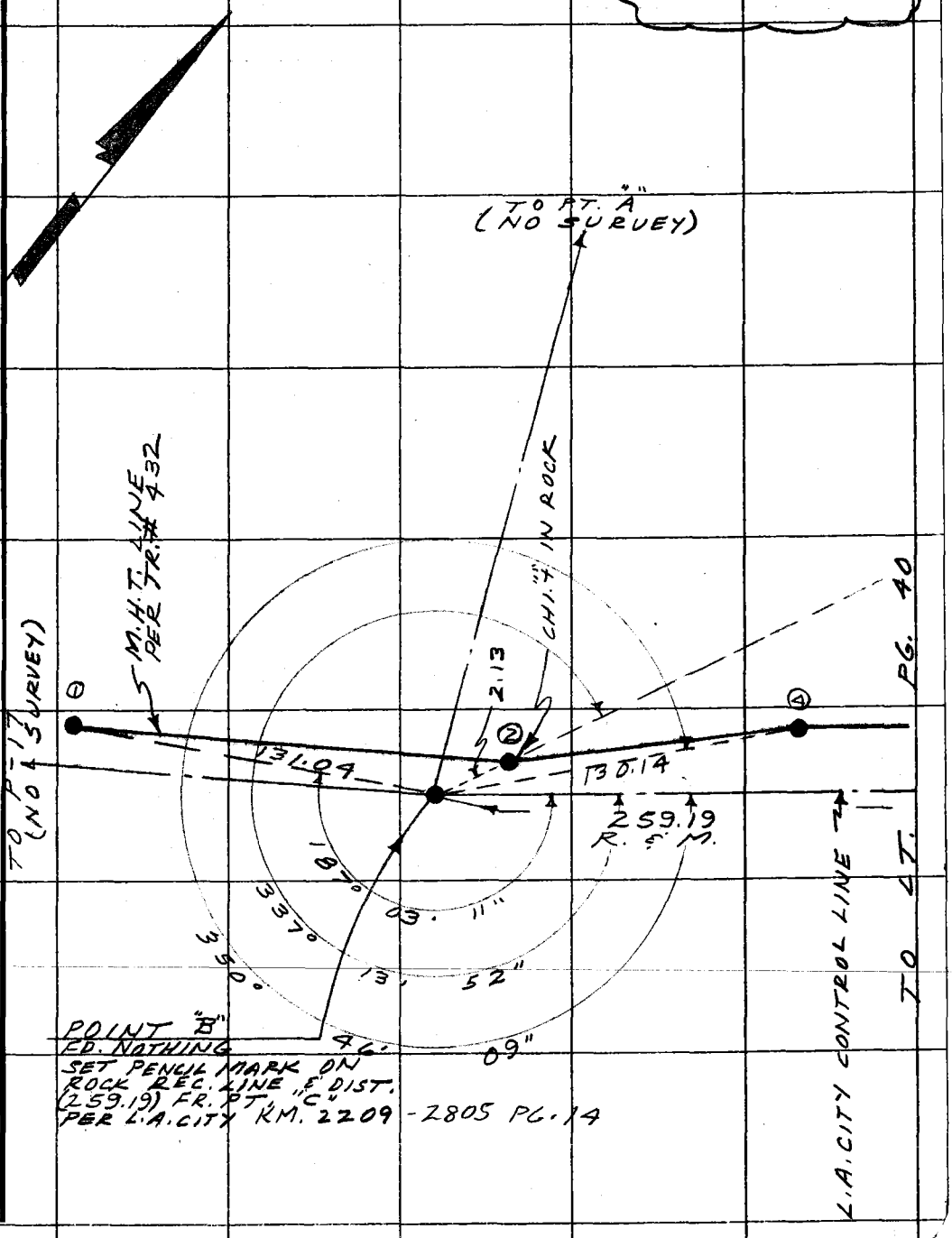
Note: Any Additions or Changes on this Sheet Must be Made on Circled in Red Ink With Date and Name of Person Making Change.

Do not extend this side of this line.

Notes Ck'd by	Survey of CABRILLO BEACH
Map No.	JN0300,07 Tape — Std — °F
Office Work	Surveyed by W.A.RICHARDS
Checked	Notes W.A.R Date 6-78
Date	Indexed

F. B. 4150 PG. 39

NOTE: SET 1" I.P. UP 3" AT ALL NUM-BERED POINTS, EXCEPT AS NOTED



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

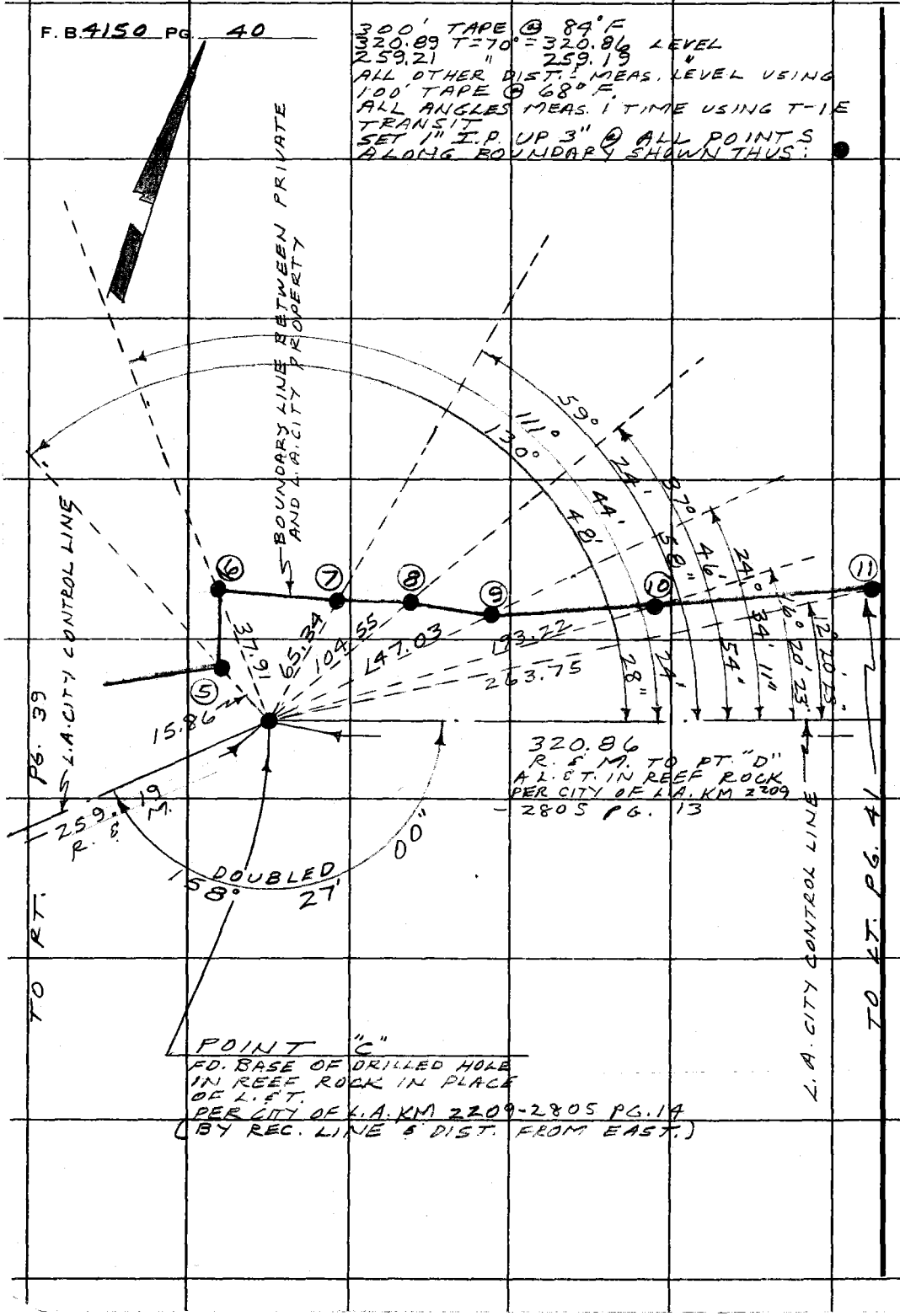
Do not extend this side of this line.

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

76F3095 CE#310 3-68

F. B. 4150 PG. 40

300' TAPE @ 89°F
320.89 T=70° = 320.86 LEVEL
259.21 = 259.19 "
ALL OTHER DIST. MEAS. LEVEL USING 100' TAPE @ 68° F.
ALL ANGLES MEAS. 1 TIME USING T-1E TRANSIT
SET 1" I.P. UP 3" @ ALL POINTS ALONG BOUNDARY SHOWN THUS:



POINT "C"
FD. BASE OF DRILLED HOLE IN REEF ROCK IN PLACE OF L.S.T.
PER CITY OF L.A. KM 2209-2805 PG. 14
(BY REC. LINE & DIST. FROM EAST.)

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

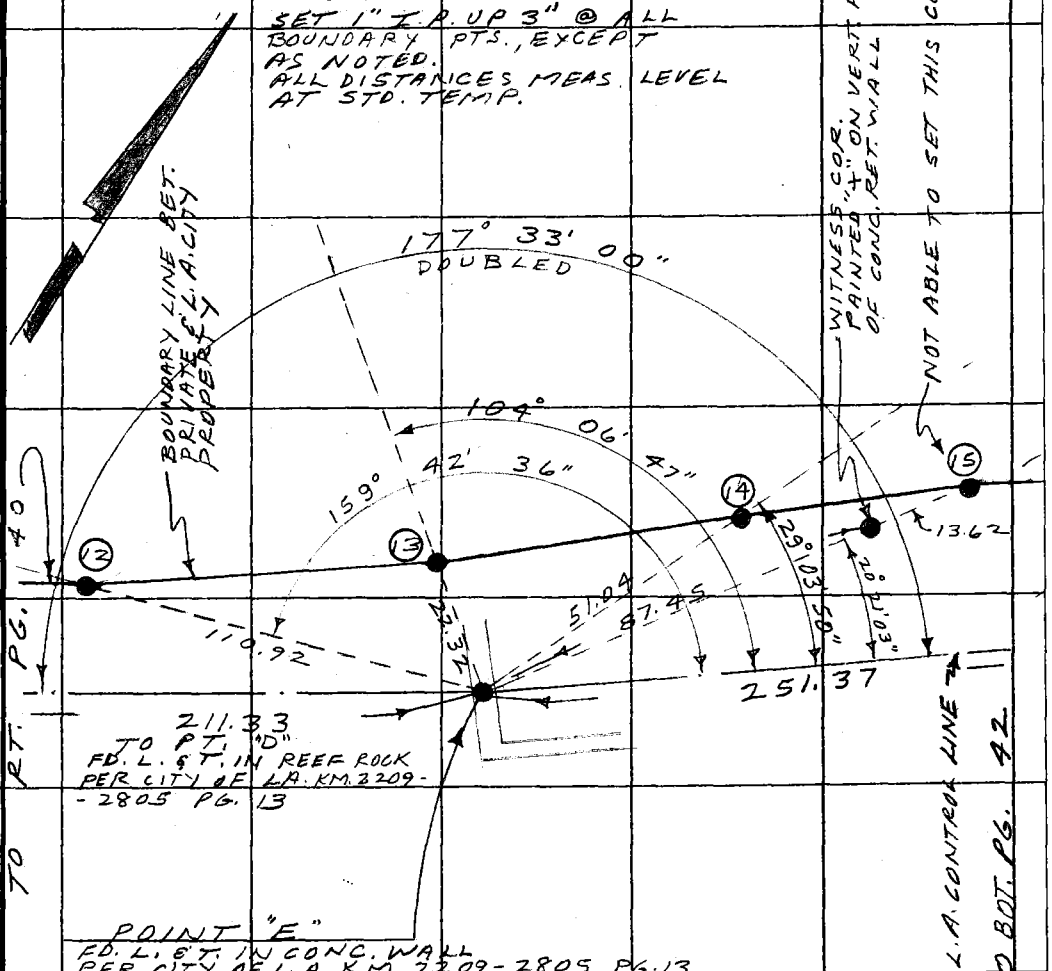
Do not extend this side of this line.

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

Notes Ck'd by	Survey of CABRILLO BEACH
Map No.	JN030002 Tape Std °F
Office Work	Surveyed by W.I.A. RICHARDS
Checked	Notes W.A.R. Date 6-78
Date	Indexed

F. B. 4150 Pg. 41

SET 1" I.R. UP 3" @ ALL BOUNDARY PTS., EXCEPT AS NOTED.
ALL DISTANCES MEAS. LEVEL AT STD. TEMP.



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

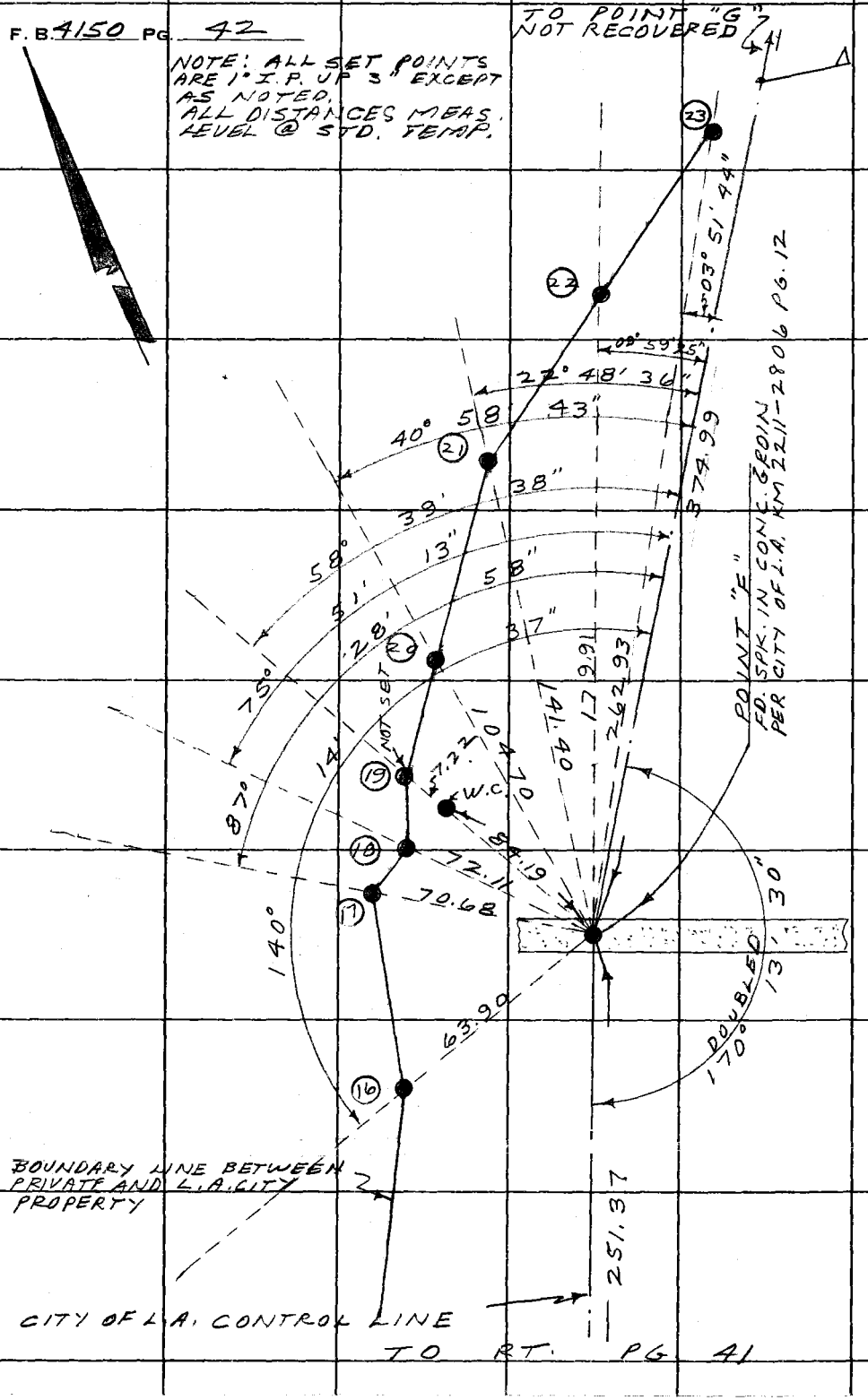
Do not extend this side of this line.

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

76F309S CE#310 3-68

F. B. 4150 PG. 42

NOTE: ALL SET POINTS ARE 1" I.P. UP 3" EXCEPT AS NOTED. ALL DISTANCES MEAS. LEVEL @ STD. TEMP.



TO RT. PG 41

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

Do not extend this side of this line.

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

Notes Ck'd by	Survey of WHITES POINT
Map No.	JN 0756.38 Tape — Std — °F
Office Work	Surveyed by W.A.RICHARDS
Checked	Notes W.A.R. Date 6-12-78
Date	Indexed G. D. BAILEY JUN 14 1978

F. B. 4150 PG. 55

J.N. 0756.38
WHITES POINT COVE
BEACH SURVEY

CONTROL LINE AND CROSS-SECTION SURVEYS FOR SEA WALL CONSTRUCTION DESIGN AND SAND FILLS.

CONTROL LINE SURVEYS	REF:	F.B.	4150	PG.	55-60, INC.
BENCH LEVEL	"	"	"	"	61-62, "
CROSS-SECTION	"	"	"	"	63-66 "

VERTICAL DATUM = M.L.L.W.
M.L.L.W. = M.S.L. + 2.75

RICHARDS
MYERS
MOODY
BUSTRUM

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

Do not extend this side of this line.

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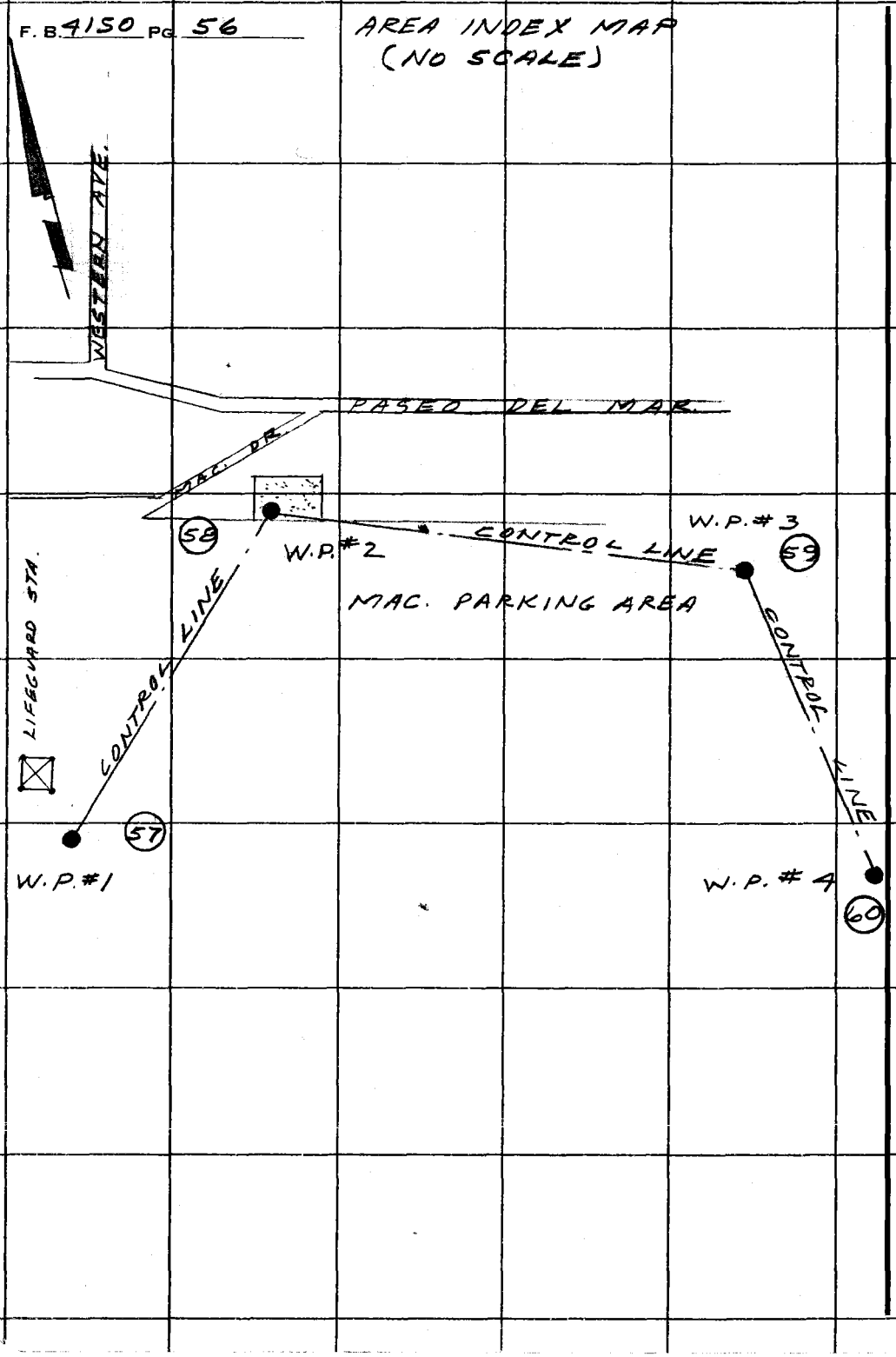
DEPARTMENT OF COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 3-68

F. B. 4150 PG. 56

AREA INDEX MAP
(NO SCALE)



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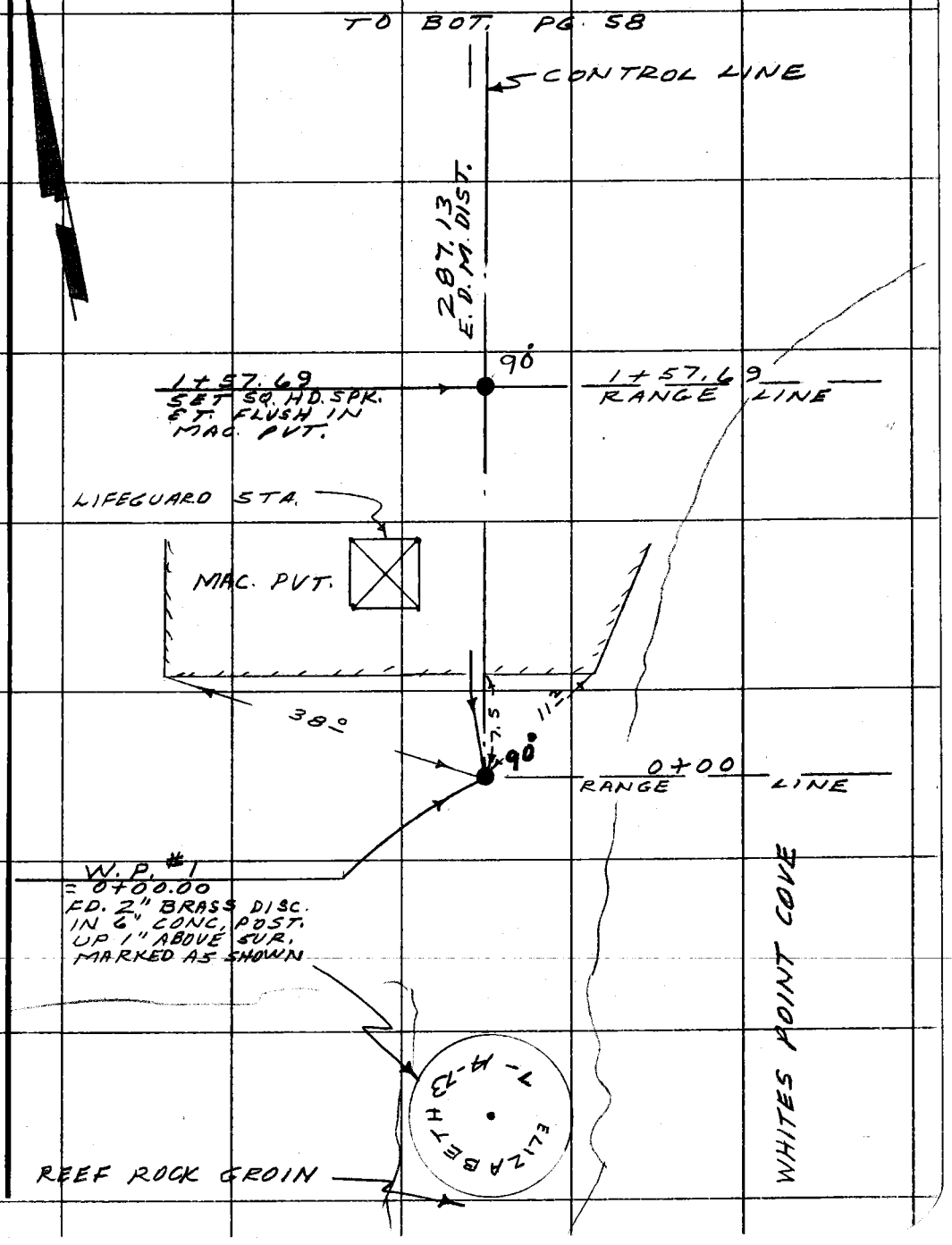
Office Work
Checked
Date

Survey of WHITES POINT COVE F. B. 4150 PG. 57
JN 0756.38 Tape — Std — °F
Surveyed by W. A. RICHAROS
Notes W. A. R. Date 6-12-78
Indexed G. D. BAILEY JUN 14 1978



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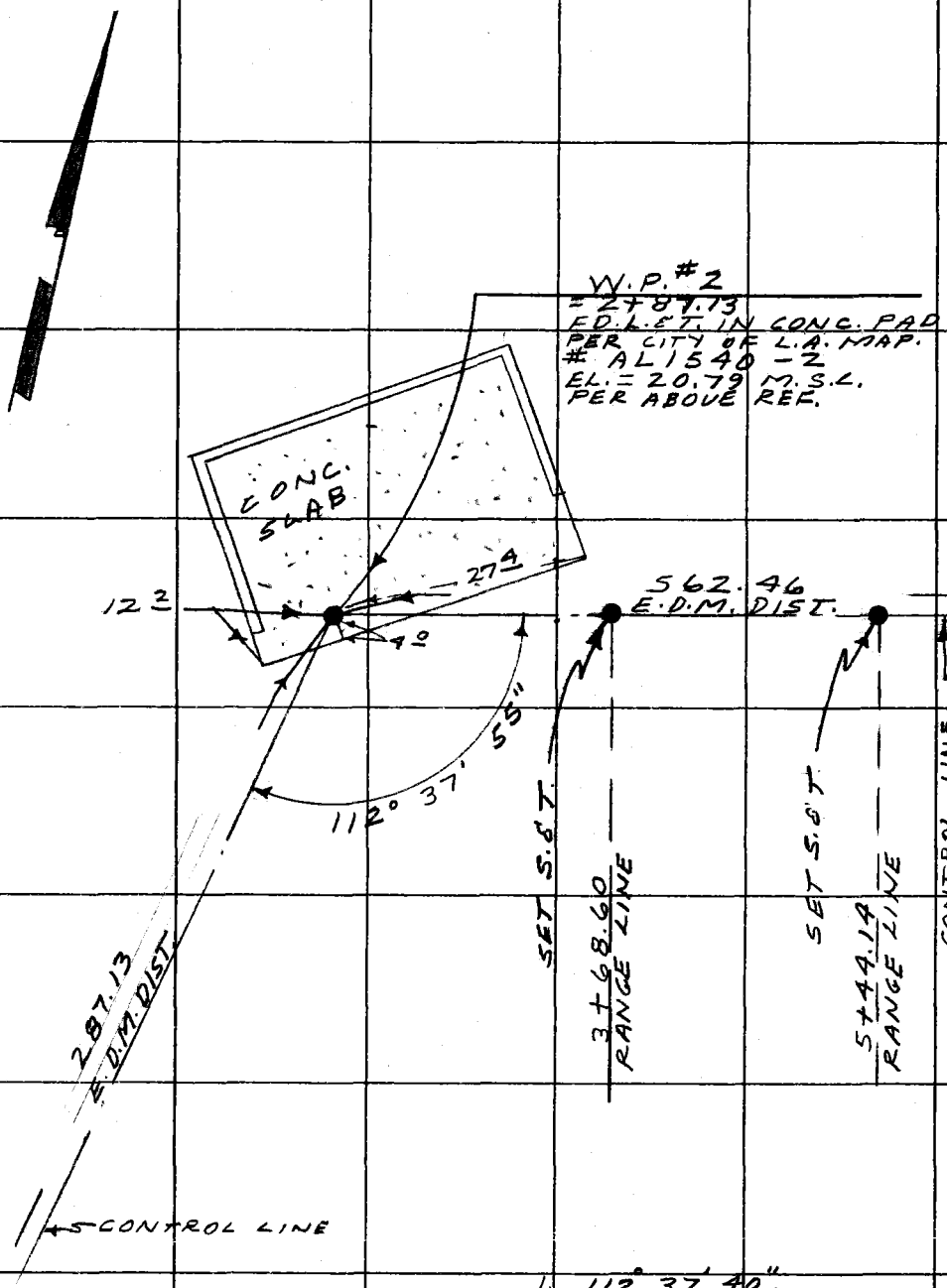
76F3095 CE#310 3-68

F. B. 4150 PG. 58



TO TOP PG. 59

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Survey of WHITES POINT COVE
JN 0756-38 Tape — Std — °F
Surveyed by W. A. RICHARDS
Notes W. A. R. Date 6-12-78
Indexed G. D. BAILEY JUN 14 1978

F. B. 4150 PG. 59

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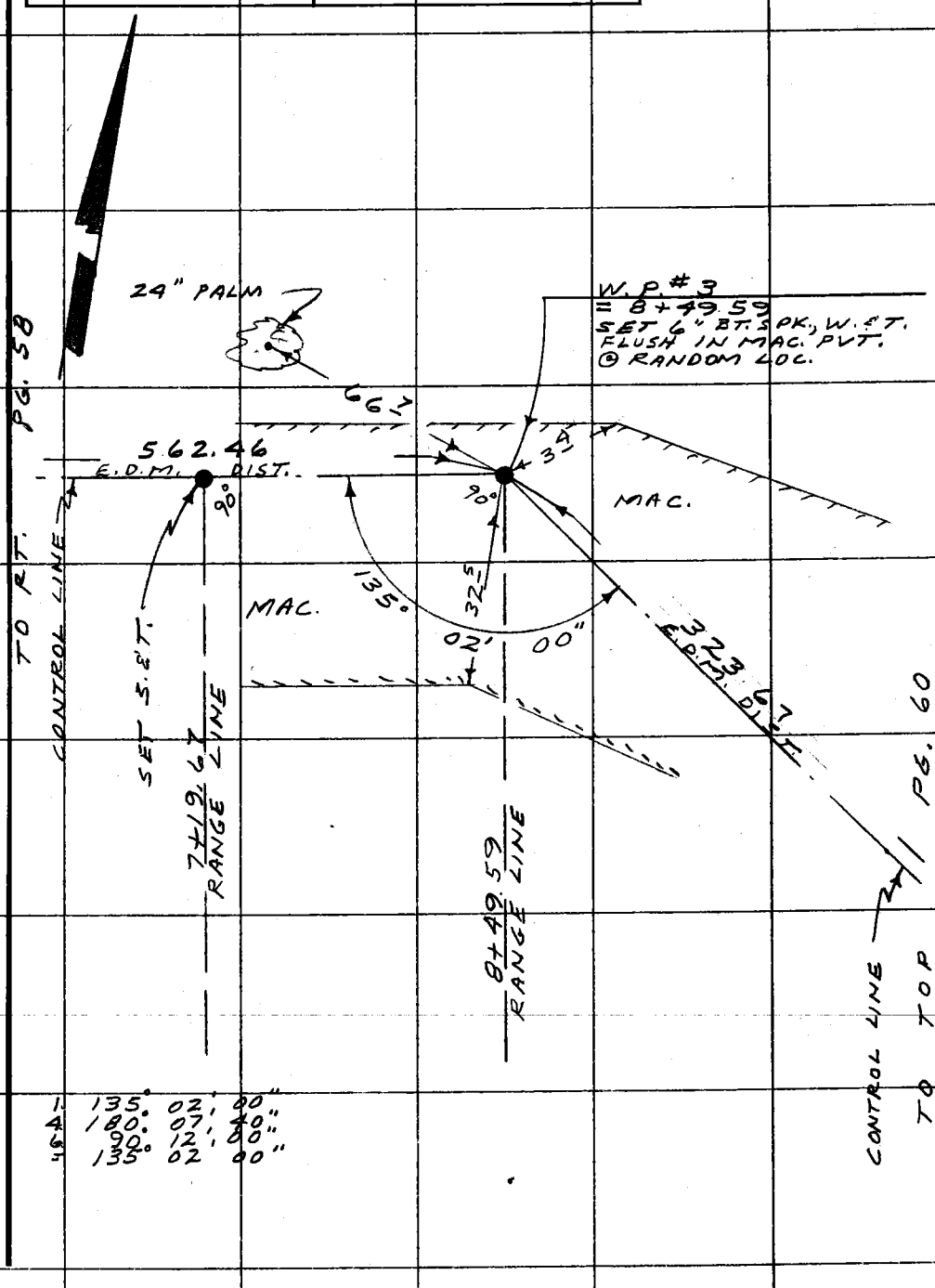
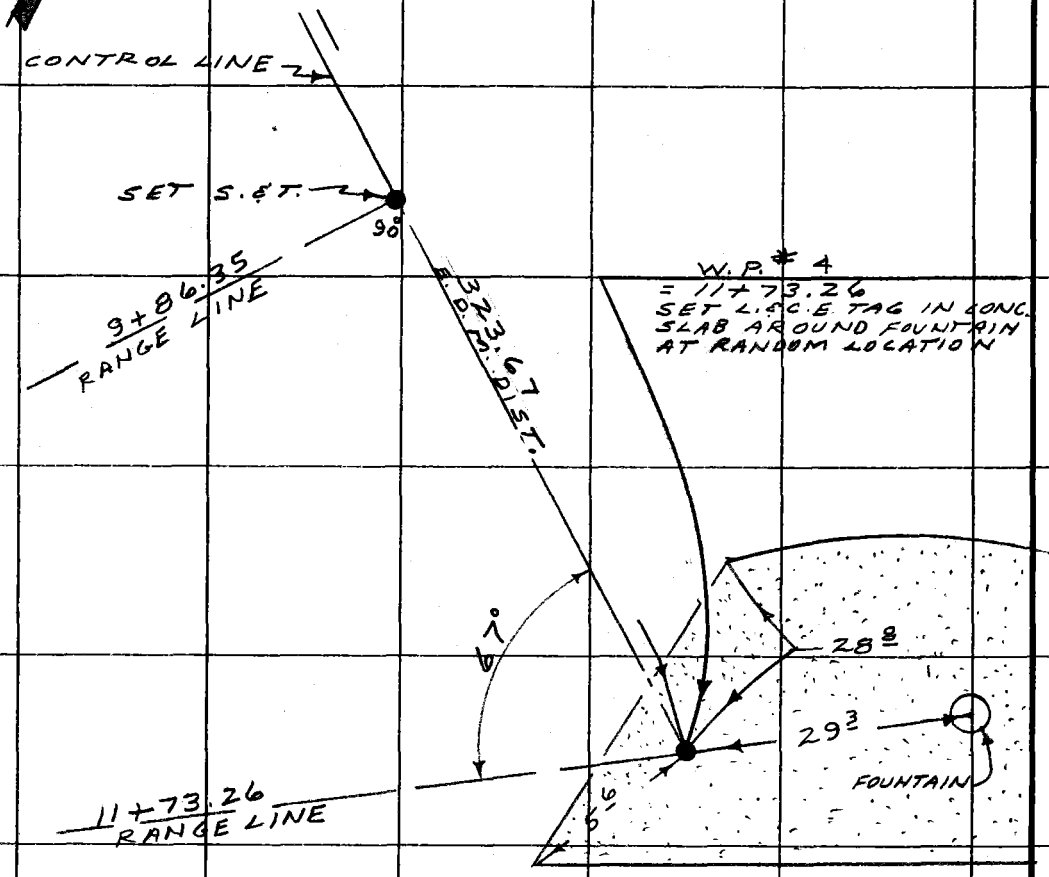


1.	135°	02'	00"
4.	180°	07'	40"
6.	90°	12'	00"
	135°	02'	00"

76F3095 CE#310 3-68

F. B. 4150 PG. 60

TO RT. PG. 59



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F.B. 4150 Pg. 61

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0756.38 Division No. ____

Date ____ Date ____ Survey of WHITES POINT COVE

X-Sec. No. ____ Notes Chkd ____ Checked ____ Survey by W. RICHARDS Notes K.M. Date 6-12-78

Date ____ Date ____ Map No. ____ Indexed G. D. BAILEY Date JUN 14

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

WHITES POINT COVE

J.N. 0756.38

BENCH LEVELS FOR ELEV.'S ON STATIONS FOR BEACH CONTROL

DATUM: M.L.L.W.

PARTY:
RICHARDS - MYERS
MOODY
BUSTRUM

76-L-298 CE 307 2-63

76-L-298 CE 307 2-63

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F.B. 4150 Pg. 62 | Job No. 0756.38 | Division No. 11 | Notes Red | Date | Plotted | Date | Profile | No.
Survey of WHITES POINT COVE | Date | Notes Chkd | Date | Checked | Date | X-Sec. | No.
Survey by W. RICHARDS Notes K.M. JUN 14 1973
Indexed by D. BAILEY Date

STATION	B.S.	H.I.	F.S.	ELEV.	
W.P.#2 (2+87.13)	3 053	26 593		23 54	M.L.L.W. (20.79+2.75=23.54) FD. L&T IN CONC. SLAB PER F.B. 4150-58 & CITY OF L.A. MAP AL 1540-2 (FD)
1+57.69	4 419	25 557	5.455	21 138	STA. 1+57.69 SQ. SET HD. SPK. & TIN
"ELIZABETH" 0+00	6 733	25 533	6 757	18 800	STA. 0+00 FD. CONC. MON. WITH 2" BRASS CAP STAMPED "ELIZABETH 7-14-73"
TP	5488	26 626	4 395	21 138	T.P.
W.P.#2	2 283	25 824	3 085	23 541	W.P.#2 (SEE ABOVE)
3+68.60	5035	25 242	5617	20 207	STA. 3+68.60 SQ. HD. SPK. & TIN
T.P.	3 001	24 453	3790	21 452	T.P.
W.P.#3 8+49.59	4 140	22 190	6 403	18 050	W.P.#3 (8+49.59) LG. BT. SPK. W&T
9+86.35	4721	20 262	6 649	15 541	STA. 9+86.35 SQ. HD. SPK. & TIN
W.P.#4 11+73.26	6 690	20 159	6 793	13 469	W.P.#4 (11+73.26) L & C.E. TAG
TP	7 129	22 670	4 618	15 541	T.P.
7+19.67	6 723	25 563	3 830	18 840	STA. 7+19.67 SQ. HD. SPK & TIN
TP	4 410	25 553	4420	21 143	T.P.
W.P.#2 (2+87.13)			2010	23 543	W.P.#2 EL. = 23.540 M.L.L.W.
W.P.#2	1 985	25 525		23 540	W.P.#2
5+44.14	6 201	25 593	6 133	19 392	5+44.14 SQ. HD. SPK & TIN
W.P.#2			2053	23 540	W.P.#2 EL. = 23.540 M.L.L.W.

Profile No. | Notes Red Date | Plotted Date | Job No. 0756.38 | Division No. 11 | F.B. 4150 Pg. 63

X-Sec. No. | Notes Chkd. Date | Checked Date | Survey of WHITES POINT COVE | Survey by RICHARDS Notes MYERS Date 6-12-78 | Map No. | Indexed G. D. BAILEY Date JUN 14 1978

J.N. 0756.38

WHITES POINT COVE

BEACH SURVEY

ELEVATIONS OVER RANGE LINES FROM THE CONTROL LINE TO THE WATERS EDGE.

DATUM: M.L.L.W.

CONTROL LINE SURVEYS REF: FB. 4150 PG. 55 - 60, INC.

BENCH LEVEL " " " " " 61-62, "

RICHARDS
MYERS
MOODY
BUSTRUM

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

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76-L-298 CE 307 2-63

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F.B. 4150 Pg. 64 | Job No. 0756.38 | Division No. 11 | Notes Red | Plotted | Profile
Survey of WHITES POINT COVE | Date | Date | No.
Survey by RICHARDS Notes MYERS | Notes Chkd. | Checked | X-Sec.
Indexed G.D. BAILEY | Date JUN 14 1963 | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.	M.L.L.W.
0+00				18 80	CONC. MON. PER PG. 57 (W.P.#1)
				18 8	12' RIGHT TOP OF BANK
				11 0	18' RIGHT BOT OF BANK
				1.4	65' RIGHT WATER
1+57.69				21 14	SQ. HD. SPK. & T PER PG. 57
				21 3	32' RIGHT TOP OF BANK
				8 8	53' RIGHT BOT OF BANK
				1 4	88' RIGHT WATER
3+68.60				20 21	SQ. HD. SPK. & T PER PG. 58
				19 4	45' RIGHT TOP OF BANK
				8 8	57' RIGHT BOT. OF BANK
				3 5	84' RIGHT BREAK
				1 4	112' RIGHT WATER
5+44.14				19 39	SQ. HD. SPK. & T PER PG. 58
				18 3	15' RIGHT TOP OF BANK
				8 3	27' RIGHT BOT. OF BANK
				1 4	67' RIGHT WATER
7+19.67				18 84	SQ. HD. SPK. & T PER PG. 59
				17 9	18.5' RIGHT TOP OF BANK
				9 0	29' RIGHT BOT OF BANK
				8 8	41' RIGHT BREAK
				1 4	72' RIGHT WATER

76-L-298 CE 307 2-63

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STATION	B. S.	H. I.	F. S.	ELEV.	M.L.L.W.
W.P. # 3 8+49.59				18 05	W.P.#3 LG. BT. SPK. W&T PER PG. 59
		90° TO LINE BACK			
				166	45' RIGHT TOP OF BANK
				111	51' RIGHT BOT. OF BANK
				86	70' RIGHT BREAK
				14	104' RIGHT WATER
9+86.35				1554	SQ. HD. SPK. & TIN PER PG. 60
				153	17' RIGHT TOP OF BANK
				75	27' RIGHT BOT. OF BANK
				14	61' RIGHT WATER
W.P.#4 11+73.26				1347	W.P.#4 L&C.E. TAG PER PG. 60
	67° TO LINE BACK			146	80' RIGHT TOP OF BANK
				56	100' RIGHT BOT OF BANK
				14	120' RIGHT WATER
		END OF SURVEY			

Profile Notes Red _____ Plotted _____ Job No. 0756 38 Division No. 11
No. _____ Date _____ Date _____ Survey of WHITES POINT COVE
X-Sec. Notes Chkd. _____ Checked _____ Survey by R.K. HARDS Notes MYERS Date 6-12-78
No. _____ Date _____ Date _____ Map No. _____ Indexed S.D. BAILEY Date JUN 14

F.B. 4150 Pg. 65

F.B. 4150 Pg. 66

Job No. 075638 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of WHITES POINT COVE Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

78-L-296 CE 307 2-63

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

Survey of ABALONE COVE
JN 0756.41 Tape — Std — °F
Surveyed by W.A. RICHARDS
Notes W.A.R. Date 6-78
Indexed G.D. BAILEY JUN 23 1978

F. B. 4150 PG. 67

J.N. 0756.41
BEACH SURVEYS
FOR
ABALONE COVE

CONTROL	LINE	SURVEY	REF.	FB. 4150	PG. 67	INC.
BENCH	LEVEL	"	"	"	"	"
CROSS-SECTION		"	"	"	"	"

RICHARDS
MYERS
MOODY
BUSTRUM

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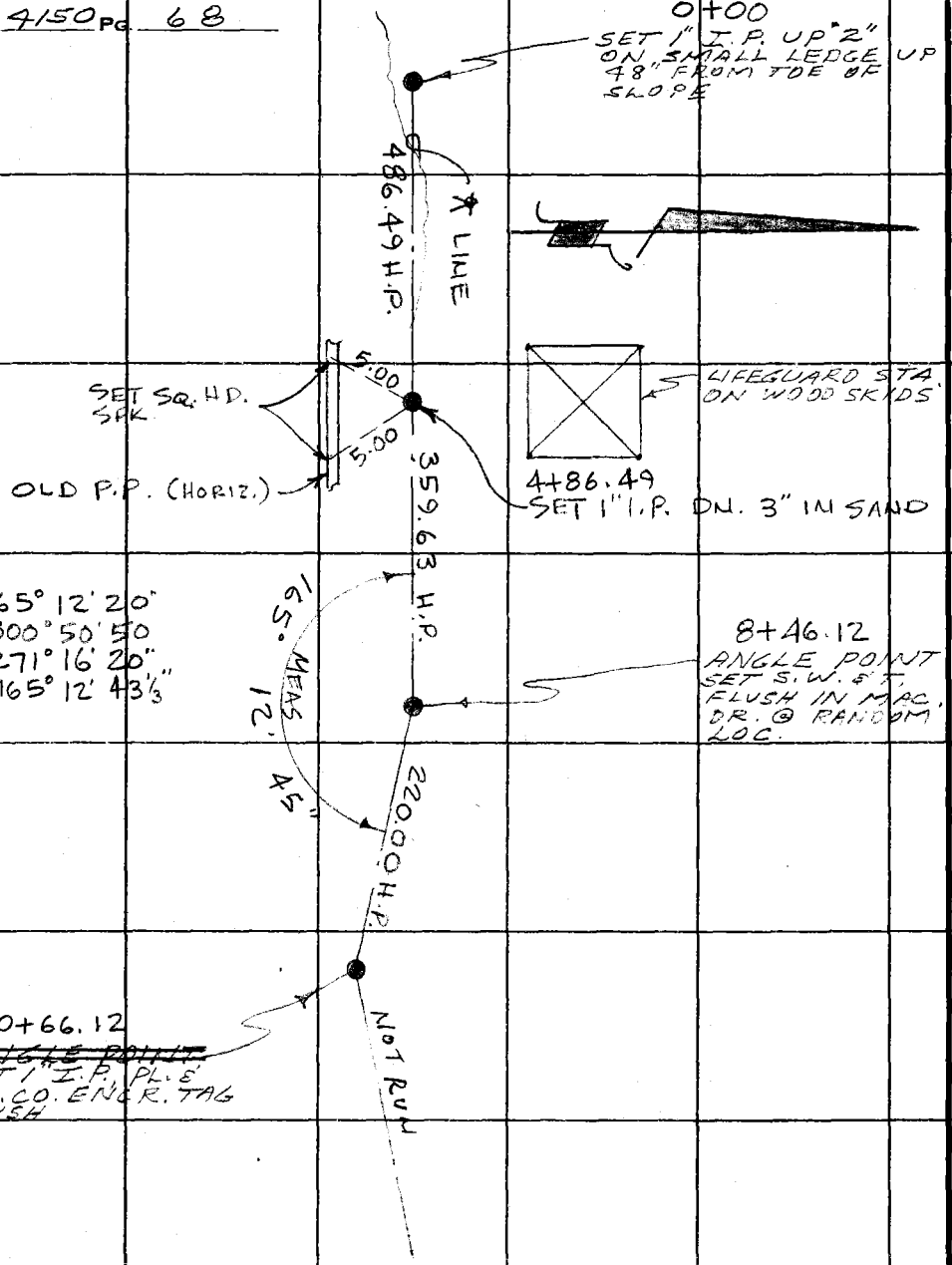
76F3095 CE#310 3-68

F. B. 4150 Pg. 68



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Profile No. ____ Notes Red ____ Plotted ____ Job No. 0756.41 Division No. 11 | F. B. 4150 | Pg. 69

X-Sec. No. ____ Notes Chk'd. ____ Date ____ Checked ____ Date ____ Survey of ABALONE COVE Survey by RICHARDS Notes W.A.K. Date 6-78 Map No. ____ Indexed G.D. BAILEY Date JUN 23 1978

J.N. 0756.41

BEACH SURVEYS

FOR

ABALONE COVE

BENCH LEVELS

DATUM: M.L.L.W. = M.S.L. + 2.75

CONTROL LINE SURVEY REF: FB. 4150 PG. 67-68, INC.

BENCH LEVEL " " " " " 69- "

CROSS-SECTION " " " " " "

STATION	B. S.	H. I.	F. S.	ELEV.
			RICHARDS MYERS MOODY BUSTRUM	

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76-L-298 CE 307 8-70

76-L-298 CE 307 8-70

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F. B. 4150 PG. 70 | Job No. 0756.41 | Division No. 11 | Notes Red | Date | Plotted | Date | Profile No.
Survey of ABALONE COVE | Date | Checked | Date | X-Sec. No.
Survey by RICHARDS Notes W.H.K. & K.M. | Notes Chk'd. | Date
Indexed G.D. BAILEY Date JUN 23 1978

STATION	B. S.	H. I.	F. S.	ELEV.	M.L.L.W.
Q-1A	2 85	7557		7272	M.L.L.W (69.97+2.75=72.72) FD. 2"
T.P.	1 26	6594	10 89	6468	I.P., CONC. PLUG & C.E. TAG PER F.B. 4337
T.P.	1 19	5608	1105	5489	PG. 255.
T.P.	042	4730	920	4688	
T.P.	008	3693	1045	3685	
T.P.	207	2932	968	2725	
T.P.	070	2410	592	2340	
T.P.	079	1690	799	1611	
0+00	1 24	1592	222	1468	0+00 1"I.P. PER PG. 68
T.P.	0 59	1317	334	1258	
T.P.	1 37	1132	322	995	
T.P.	1 22	1003	251	881	
T.P.	1 22	904	221	782	
TP	693	1367	230	674	
T.P.	11 25	2451	041	1326	
T.P.	972	3228	195	2256	
10+66.12	107	3208	127	3101	10+66.12 1"I.P. PER PG. 68
8+46.12	192	2691	709	2499	8+46.12 LG. BT. SPK W/ & T PER PG. 68
4+86.49	599	2678	612	2079	4+86.49 1"I.P. PER PG. 68
T.P.	11 55	3686	147	2531	
T.P.			005	3681	

76-L-298 CE 307 8-70

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STATION	B. S.	H. I.	F. S.	ELEV.	M.L.L.W	
T.P.	10 31	47 12		36 81		
T.P.	11 15	57 97	0 30	46 82		
T.P.	11 54	66 36	3 15	54 82		
T.P.	10 88	75 49	1 75	64 61		
Q-1A			2 83	72 66	M.L.L.W. (69.97+2.75=72.72) FD. 2" I.P. CONC. PLUG. & C.E. TAG. PER F.B. 4337-255	

Profile Notes Red Plotted Job No. 0756.41 Division No. 11 F. B. 4150 PG. 71
No. Date Date Survey of ABALONE COVE
X-Sec. Notes Chk'd. Checked Survey by RICHARDS Notes W.A.R. & K.B. Date 6-78
No. Date Date Map No. Indexed G.D. BAILEY Date JUN 23 1978

F. B. 4150 Pg. 72 | 0756.41

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

Survey of ABALONE COVE Date _____ Date _____ No. _____

Survey by RICHARDS Notes W.A.R. & K.M Notes Chk'd. _____ Checked _____ X-Sec.

Indexed G.D. BAILEY Date JUN 23 1978 Date _____ Date _____ No. _____

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

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76-L-298 CE 307 8-70

Profile No. | Notes Red | Plotted | Job No. 075641 | Division No. 11 | F.B. 4150 | Pg. 73

Date | Date | Survey of ABALONE COVE

X-Sec. No. | Notes Chk'd. | Checked | Survey by RICHARDS Notes W.H.R. Date 6-18

Date | Date | Map No. | Indexed G.D. BAILEY Date JUN 23 1978

J.N. 0756.41

BEACH SURVEYS

ABALONE COVE

CROSS-SECTIONS

DATUM: M.L.L.W.

CONTROL LINE SURVEYS REF: FB. 4150 PG. 67-68, INC.

BENCH LEVEL " " " " " 69- "

CROSS-SECTION " " " " " "

STATION	B.S.	H.I.	F.S.	ELEV.
			RICHARDS MYERS MOODY BUSTRUM	

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76-L-298 CE 307 8-70

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F. B. 4150 PG. 74 | Job No. 0756.41 | Division No. 11 | Notes Red | Plotted | Profile
Survey of ABALONE COVE | Date | Date | No.
Survey by RICHARDS | Notes K.M. | Notes Chk'd. | Checked | X-Sec.
Indexed G.D. BAILEY | Date JUN 23 1978 | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.	M.L.L.W.
0+00				14 68	1" I.P. PER PG. 70
				12 3	4.5' RIGHT TOE (ROCK)
				6 0	39' RIGHT SAND
				3 6	75' RIGHT SAND
				3 0	95' RIGHT SAND
2+00				12 6	CONTROL LINE (ROCK)
				5 9	25' RIGHT SAND
				2 6	72' RIGHT SAND
				15 6	17' LEFT TOP OF BANK
4+86.49				20 79	4+86.49 1" I.P. PER PG. 70
				21 0	SAND
				21 0	4' RIGHT TOP OF BANK (SAND)
				8 5	23' RIGHT BOT OF BANK
				5 1	42' RIGHT SAND
				2 5	81' RIGHT SAND
6+66.0				21 2	CONTROL LINE (SAND)
				21 2	16' RIGHT TOP OF BANK (SAND)
				9 8	29' RIGHT BOT OF BANK (ROCK)
				4 4	58' RIGHT (SAND)
				2 4	90' RIGHT (SAND)
			(CONT.)		

76-L-298 CE 307 8-70

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STATION	B. S.	H. I.	F. S.	ELEV.	M.L.L.W.
ANGLE POINT 8+46.12	SECTION TAKEN 90° TO BACK LINE			24 99	8+46.12 ~ LG. BT. SPK. W&T PER PG. 70
				22 4	19.5' RIGHT (SAND)
				20.7	49.5 RIGHT TOP OF BANK (SAND)
				4 7	72' RIGHT BOT OF BANK
				2 8	87' RIGHT (SAND)
				1 8	103' RIGHT (SAND)
10+66.12				31 01	10+66.12 ~ 1" I.P. PER PG. 70
				28 6	12' RIGHT TOP OF BANK
				13 1	33' RIGHT TOE (ROCKS)
				7 3	67' RIGHT BREAK (ROCKS)
				2 3	93' RIGHT SAND @ LARGE ROCK
		END OF SURVEY			

Profile Notes Red____ Plotted____ Job No.____ Division No.____
No.____ Date____ Date____ Survey of ABALONE COVE
X-Sec. Notes Chk'd.____ Checked____ Survey by RICHARDS Notes K.H. Date JUN 25 1970
No.____ Date____ Date____ Map No.____ Indexed G.D. BAILEY Date____

0756'41 | F. B. 4150 PG. 75

F. B. 4150 Pg. 76 | Job No. ____ Division No. ____ Notes Red ____ Plotted ____ Profile

Survey of ____ Date ____ Date ____ No. ____

Survey by ____ Notes ____ Notes Chk'd. ____ Checked ____ X-Sec.

Indexed ____ Date ____ Date ____ Date ____ No. ____

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

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76-L-298 CE 307 8-70

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Map No.
Office Work
Checked
Date

Survey of ABALONE COVE
JN 07564 Tape Std °F
Surveyed by W.A. RICHARDS
Notes W.A.R. Date 6-78
Indexed G.D. BAILEY JUN 23 1978

F.B. 4150 Pg. 77

J.N. 07564.1
BEACH SURVEY
FOR
ABALONE COVE

LOCATIONS OF LIFEGUARD STATION (PORTABLE)
AND S'LY EDGES OF CHILDRENS PLAY AREA

RICHARDS
MYERS
MOODY
BUSTRUM

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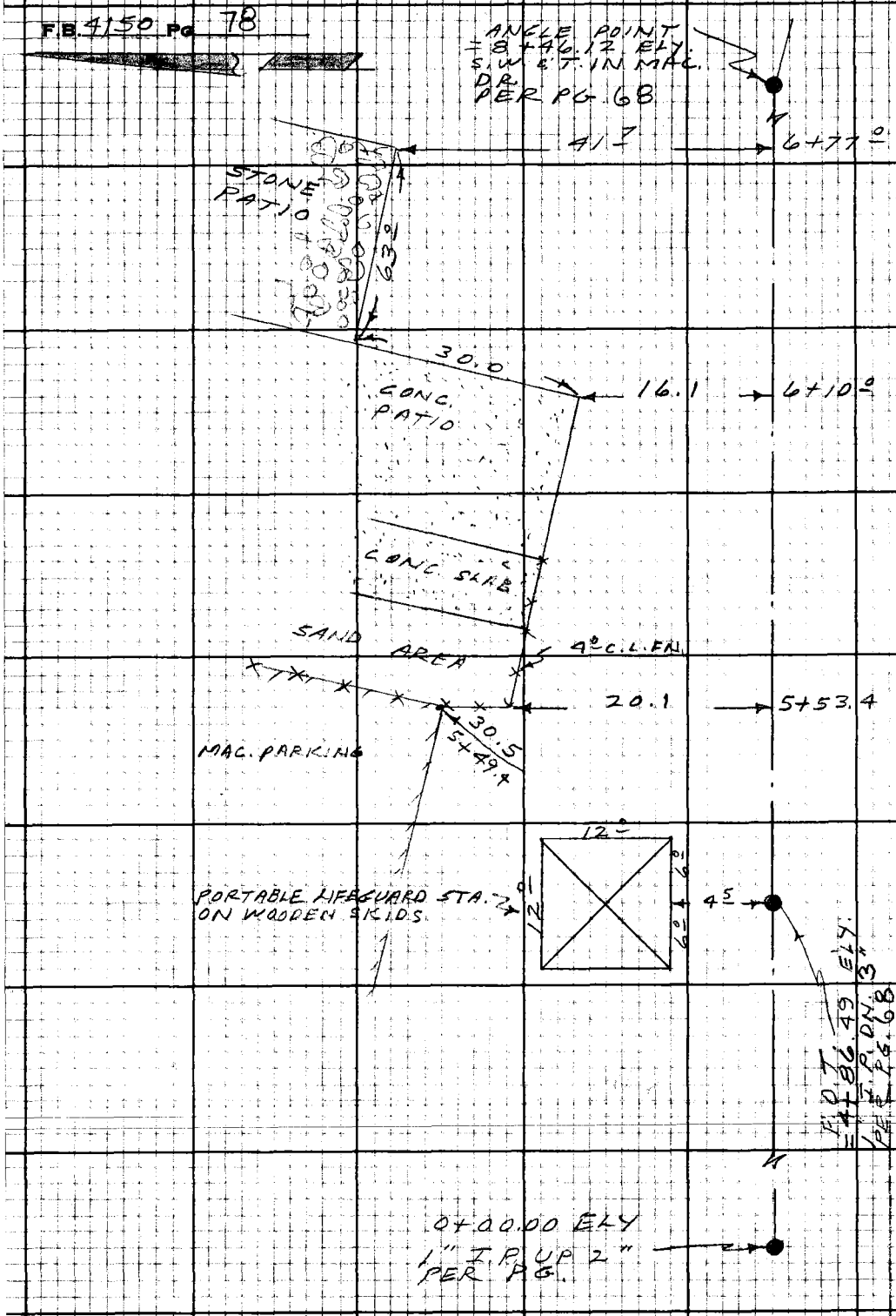
765509 CE#310 9-67

F.B. 4150 Pg. 78



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Profile No. | Notes Red | Plotted | Job No. 075641 | Division No. 11 | F. B. 4150 | Pg. 79
Date | Date | Survey of REDONDO BEACH
X-Sec. No. | Notes Chk'd. | Checked | Survey by RICHARDS Notes W.A.R. Date 6-78
Date | Date | Map No. | Indexed G.D. BAILEY Date JUN 23 1978

J.N. 075641

BEACH SURVEYS

FOR

REDONDO BEACH

SHORE CROSS-SECTIONS OF RANGE LINES:

1. 320+50 SOUTH
2. 322+00 "
3. 323+00 "

CONTROL LINE SURVEY REF: FB. 2499 PG. 42, 43 INC.

BENCH LEVEL " " " " " 67

DATUM: M.L.L.W.

RICHARDS
MYERS

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

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76-L-298 CE 307 8-70

76-L-298 CE 307 8-70

0.13

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F. B. 4150 Pg. 80 | Job No. 07564 | Division No. 11 | Notes Red | Plotted | Profile
Survey of REDONDO BEACH | Date | Date | No.
Survey by RICHARDS Notes K.M. | Notes Chk'd. | Checked | X-Sec.
Indexed G.D. BAILEY Date JUN 23 1971 | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.		
RANGE LINE						
320+50 S.	013	1945		1932	RANGE 320+50S ELEV =	19.321 FB. 2499-67
					BT. SPK, W. & T. IN	MAC. DR.
"			056	1889		14' RT. EDGE CONC.
"			12	183		15' " SAND
"			64	131		50' " "
"			101	94		90' " " BK.
			161	34	(12.1+4.0' BOOT)	140' " " WATER LINE
			013	1932	320+50 So.	
RANGE						
322+00 S.	037	2051		2014	RANGE 322+00 S. ELEV =	20.135 FB. 2499-67
					BT. SPK, W. & T. IN	MAC. DR.
			093	1958		12' RT. EDGE CONC.
			13	192		15' " SAND, BK.
			70	135		35' " " "
			111	94		90' " " "
			170	35	(12.0+5.0' BOOT)	140' " " WATER
			037	2014	322+00 So.	

76-L-298 CE 307 8-70

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STATION	B. S.	H. I.	F. S.	ELEV.		
RANGE LINE						
323+00 S.	124	2155		2031	RANGE 323+00 S. EL.=20.310 FB. 2499-67	
					BT. SPK, W. & T. IN MAC.	
			158	1997		5' RT., EDGE CONC.
			27	189		12' " SAND, BK.
			83	133		35' " " "
			121	95		90' " " "
			193	23	(12.1+7.2 BOOT)	140' " "
			124	2031	323+00 So.	
			END OF SURVEY			

Profile Notes Red____ Plotted____ Job No. 075641 Division No. 11 F.B. 4150 Pg. 81
No.____ Date____ Date____ Survey of REDONDO BEACH
X-Sec. Notes Chk'd.____ Checked____ Survey by RICHARDS Notes K.M. Date 6-16-78
No.____ Date____ Date____ Map No.____ Indexed G.D. BAILEY Date JUN 23 1978

F. B. 4150 PG. 82 | Job No. 07641 Division No. 11 Notes Red Plotted Profile

Survey of Date Date No.

Survey by Notes Notes Chk'd. Checked X-Sec.

Indexed Date Date Date No.

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

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76-L-298 CE 307 8-70

Notes Ck'd by	Survey of WILL ROGERS BEACH
Map No.	JN 075636 Tape Std °F
Office Work	Surveyed by R.B. HOBSON
Checked	Notes R.B.H. Date 6-16-78
Date	Indexed G.D. BAILEY JUL 1978

F. B. 4150 PG. 83

WILL ROGERS BEACH
J.N. 075636

HORIZONTAL CONTROL FOR CROSS-SECTIONS.

JUNE 16TH, 1978
R.B. HOBSON
C.R. YASUI
R.C. CLIFFORD

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76F309S CE#310 3-69

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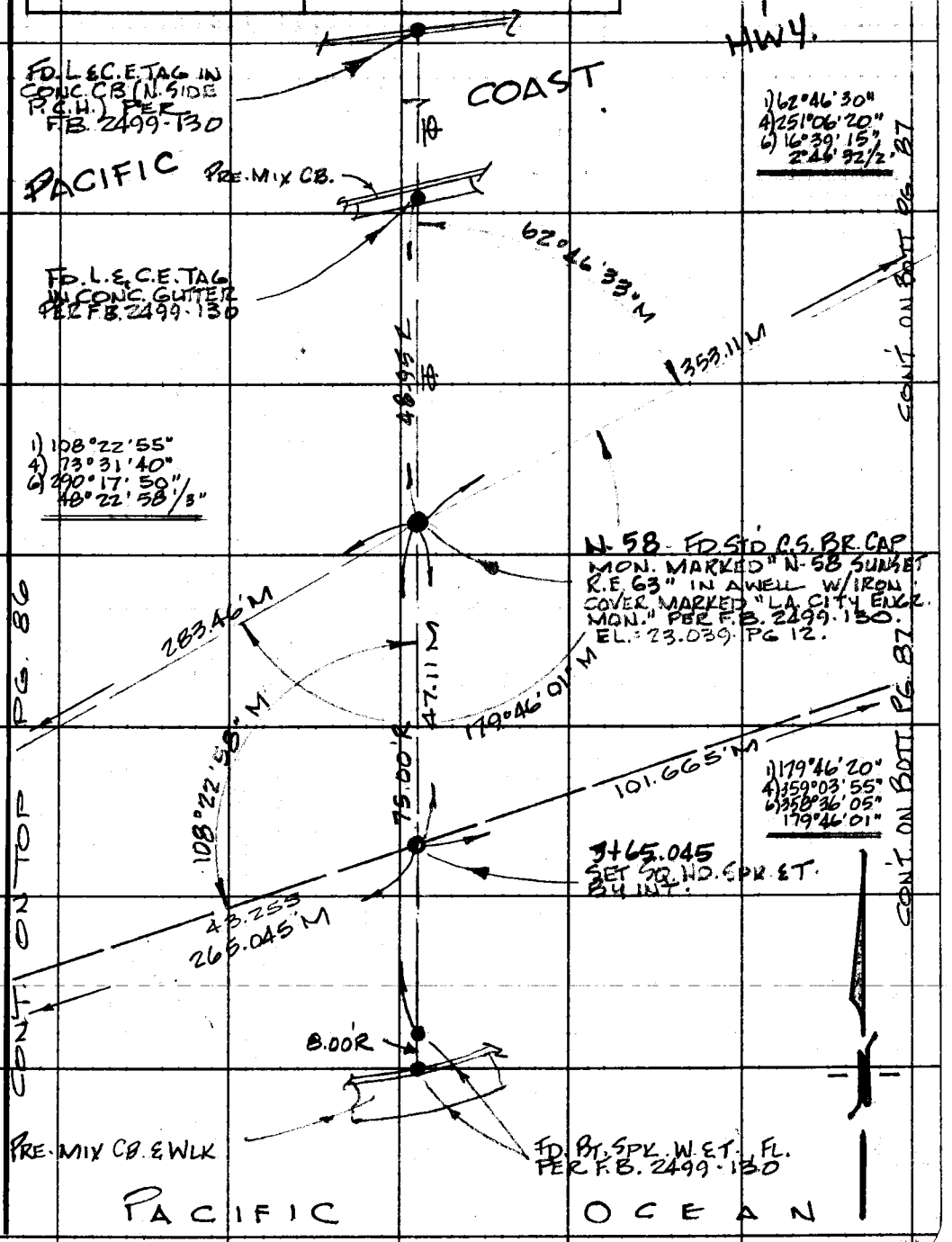
F. B. 4150 PG 84

Notes Ck'd by	Survey of WILL ROGERS BEACH
Map No.	JN 0755 36 Tape Std °F
Office Work	Surveyed by R.B. HOBSON
Checked	Notes R.B.H. Date 6-16-78
Date	Indexed G.D. BAILEY JUL 5 1978

F. B. 4150 PG. 85
ALL MEAS. MADE LEV. & CORR. FOR TEMP.



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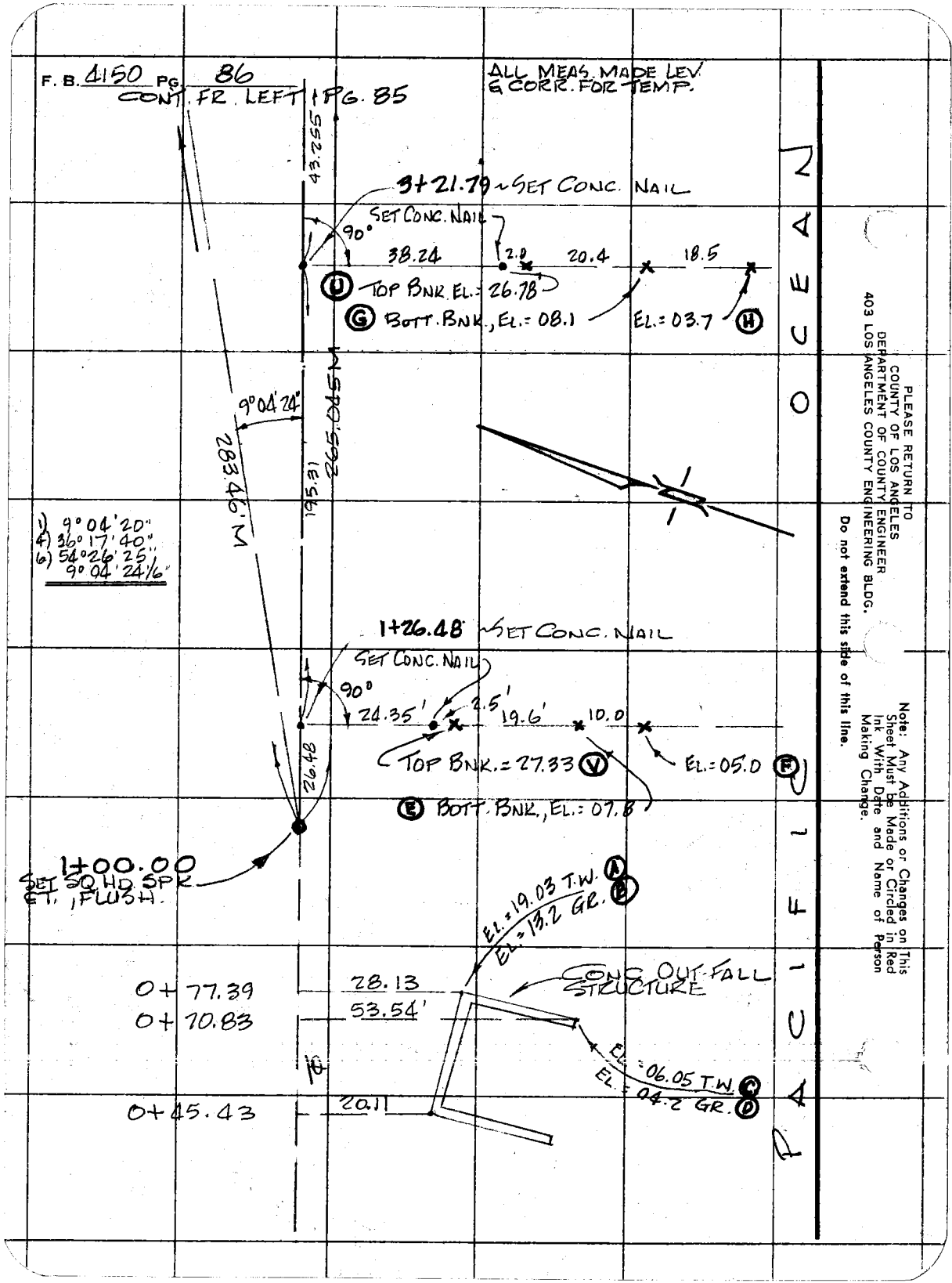
76F309S CE#310 3-69



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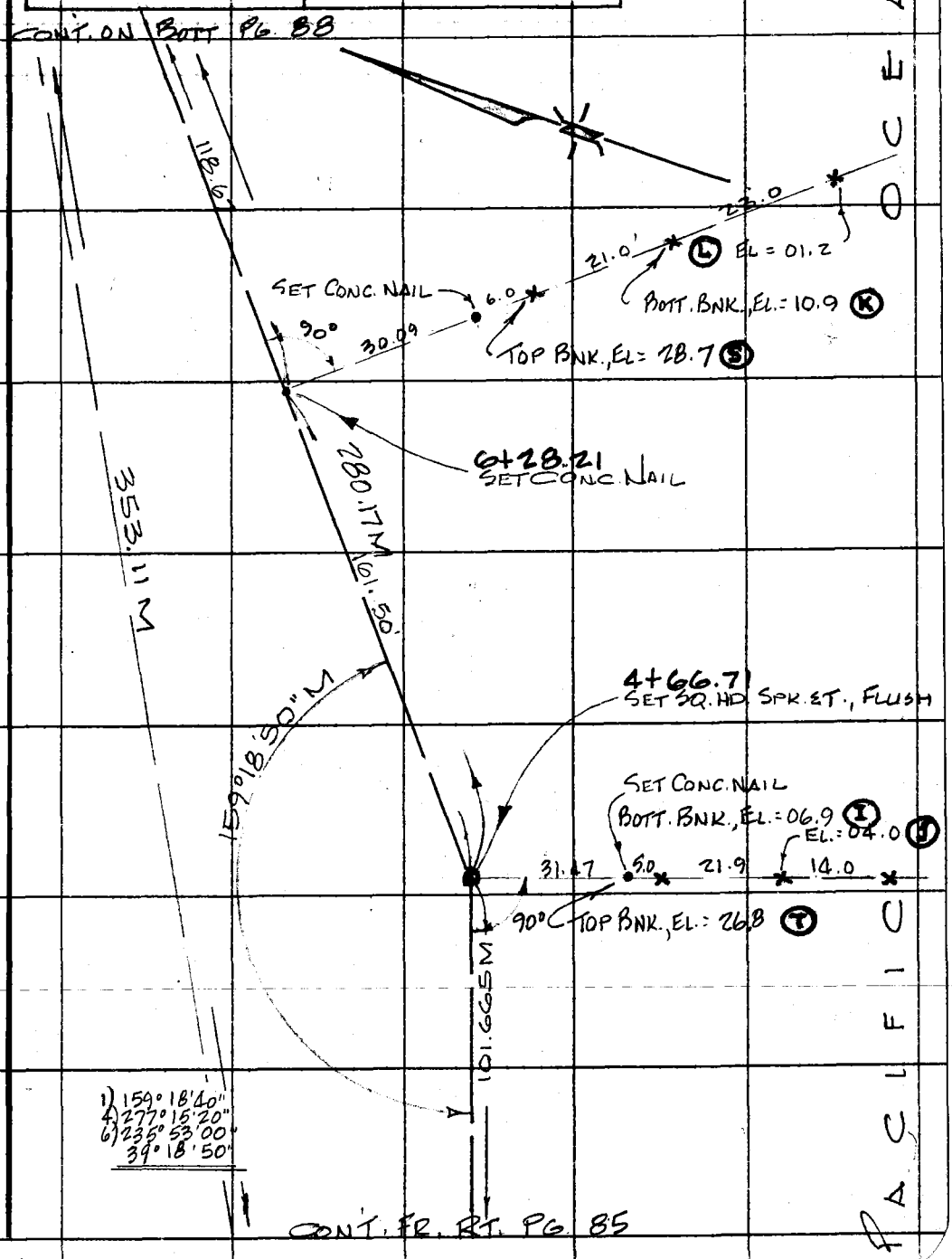
Notes Ck'd by	Survey of WILL ROGERS BEACH
Map No.	JN 0756.36 Tape Std °F
Office Work	Surveyed by R.B HOBSON
Checked	Notes R.B.H Date 6-16-78
Date	Indexed G.D. BAILEY JUL 5 1978

F.B. 4150 PG. 87
ALL MEAS MADE LEV. & CORR. FOR TEMP.



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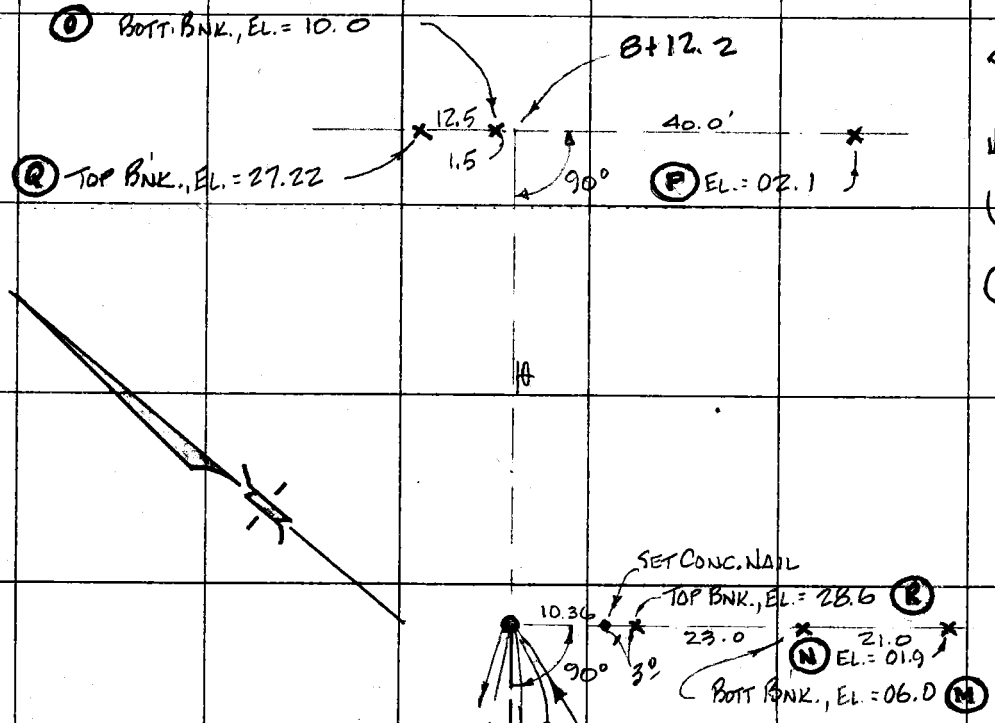
F. B. 4150 PG. 88

ALL MEAS. MADE LEV. & CORK FOR TEMP.



CON'T. FR. TOP PG. 87

PACIFIC OCEAN

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F. B. 4150 PG. 89

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0756.36 Division No. ____
Date ____ Date ____ Survey of WILL ROGERS BEACH
X-Sec. No. ____ Notes Chk'd. ____ Checked ____ Survey by R.B.H. Notes R.B.H. Date 6-19-78
Date ____ Date ____ Map No. ____ Indexed G.D. BAILEY Date JUL 5 1978

WILL ROGERS BEACH

J. N. 0756.36

X - SECTIONS

FOR LOC OF SHOTS SHOWN "O" SEE PG'S. AS CALLED FOR.

JUNE 19TH, 1978
R.B. HOBSON
C.R. YASUI

DATUM: M.L.L.W.

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

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76-L-298 CE 307 5-66

76-L-298 CE 307 5-66

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F. B. 4150 PG. 90
Job No. 0756.36 Division No. ____ Notes Red ____ Plotted ____ Profile
Survey of WILL ROGERS BEACH Date ____ No. ____
Survey by R.B.H. Notes R.B.H. Notes Chk'd. ____ Checked ____ X-Sec.
Indexed G.D. BAILEY Date JUL 5 1978 Date ____ Date ____ No. ____

STATION	B. S.	H. I.	F. S.	ELEV.	M.L.L.W.
B.M. 48-53	6481	27434		20 953	B.M. 48-53 C. L.A. B.M. 14-02430 F.B. 2499-160 EL. = 20.953 City L.A. HEX BAR.
T.P.	4869	28 643	3 660	23 774	PACIFIC COAST HWY. & SUNSET BLVD., APPROX. ℄ INT.
			5 604	23 039	N-58 C.S. BR. CAP MON. IN H.H. PG. 8. F.B. 2499-160 EL. = 23.022 (UNADJ.)
N-58				23 039	N-58, C.S. BR. CAP MON. IN H.H. PG. 8.
(A)				19 03	(A) T.W.C. COR. OUTFALL STRUCTURE - PG. 8
(B)				13 2	(B) GR. " " " " "
(C)				06 05	(C) T.W.C. END WALL OF OUTFALL STRUCTURE - PG. 8
(D)				04 2	(D) GR. " " " " " " "
(E)				07 8	(E) BOTT. BANK + PG. 8
(F)				05 0	(F) GR. ℄ WATER + "
(G)				08 1	(G) BOTT. BANK + "
(H)				03 7	(H) GR ℄ WATER + "
T.P.				11 90	T.P.
(I)				06 9	(I) BOTT. BANK + PG. 9
(J)				4 0	(J) GR. ℄ WATER + "
T.P.				9 42	T.P.
(K)				10 9	(K) BOTT. BANK + PG. 9

LEVELED

76-L-298 CE 307 5-66

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Profile Notes Red____ Plotted____ Job No. 0756-36 Division No.____
No.____ Date____ Date____ Survey of WILL ROGERS BEACH
X-Sec. Notes Chk'd.____ Checked____ Survey by R.B.H. Notes R.B.H. Date 6-20-78
No.____ Date____ Date____ Map No.____ Indexed G.D. BAILEY Date 7/11 5 1978

F. B. 4100 PG. 91

STATION	B. S.	H. I.	F. S.	ELEV.	M. L. L. W.	
(L)				01 2	(L) GR. @ WATER	PG. 9
T.P.				10 14	T.P.	
(M)		ROD		06 0	(M) BOTT. BANK	PG. 10
(N)				01 9	(N) GR. @ WATER	PG. 10
T.P.				7 21	T.P.	
(O)				10 0	(O) BOTT. BANK.	PG 10
(P)				02 1	(P) GR. @ WATER	" "
T.P.				11 68	T.P.	
T.P.				20 80	T.P	
(Q)				27 22	(Q) TOP BANK	PG. 10
(R)				23 6	(R) " "	
T.P.				27 63	T.P.	
(S)				23 7	(S)	
(T)				26 8	(T)	
T.P.				29 41	T.P.	
(U)		LEVEL		26 78	(U)	
(V)				27 53	(V)	
T.P.				27 47	T.P.	
N-58				23 04	N-58 EL. 23.022 (UNADJ.)	SEE PG. 12.

F. B. 4150 PG. 92 Job No. Division No. Notes Red Plotted Profile

Survey of Date Date No.

Survey by Notes Notes Chk'd. Checked X-Sec.

Indexed Date Date Date No.

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

76-L-298 CE 307 5-66

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Notes Ck'd by	Survey of DOCKWEILER BEACH
Map No.	JN 075642 Tape Std °F
Office Work	Surveyed by R.B. HOBSON
Checked	Notes R.B.H. Date 6-21-78
Date	Indexed G.D. BAILEY JUL 5 1978

F. B. 4150 PG. 93

DOCKWEILER BEACH
J.N. 075642

JUNE 21 & 22, 1978
R.B. HOBSON
C.R. YASUI

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76F309s CE#3102 3-69

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F. B. 4160 PG 94

FB. 4150

NEXT PAGE = 83

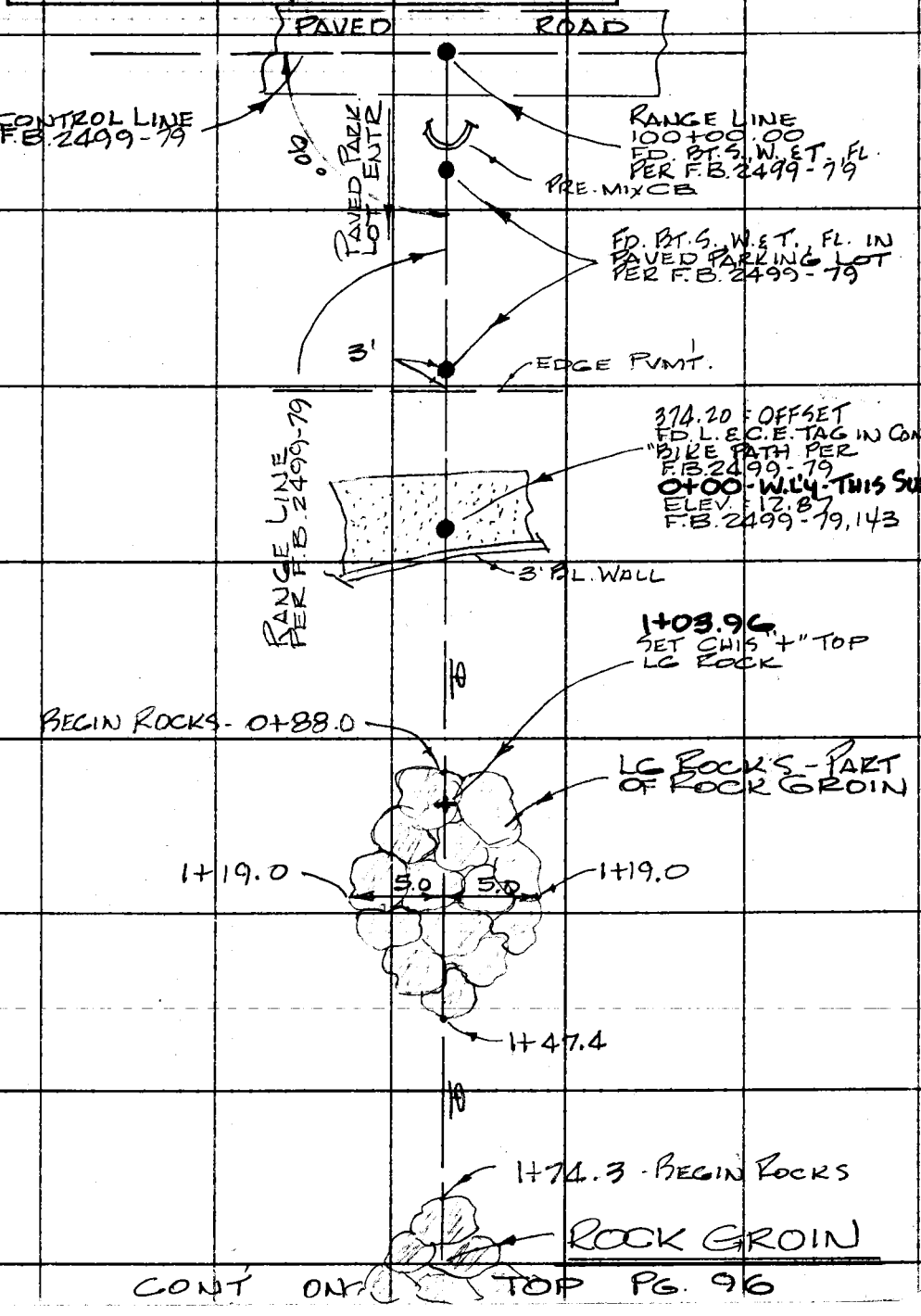
PG'S 83 THRU 101 TO
H. STOCK ON 6-28-78
FINAL DESTINATION
JOHN HALE.
R.B.H.

D DAY
1 MONTH

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

Survey of ROCKWEILER BEACH
JN 07560 Tape Std °F
Surveyed by R.B.H
Notes R.B.H Date 6-21-78
Indexed G.D. BAILEY JUL 5 1978

F. B. 4150 PG. 95



CONT ON TOP PG. 96

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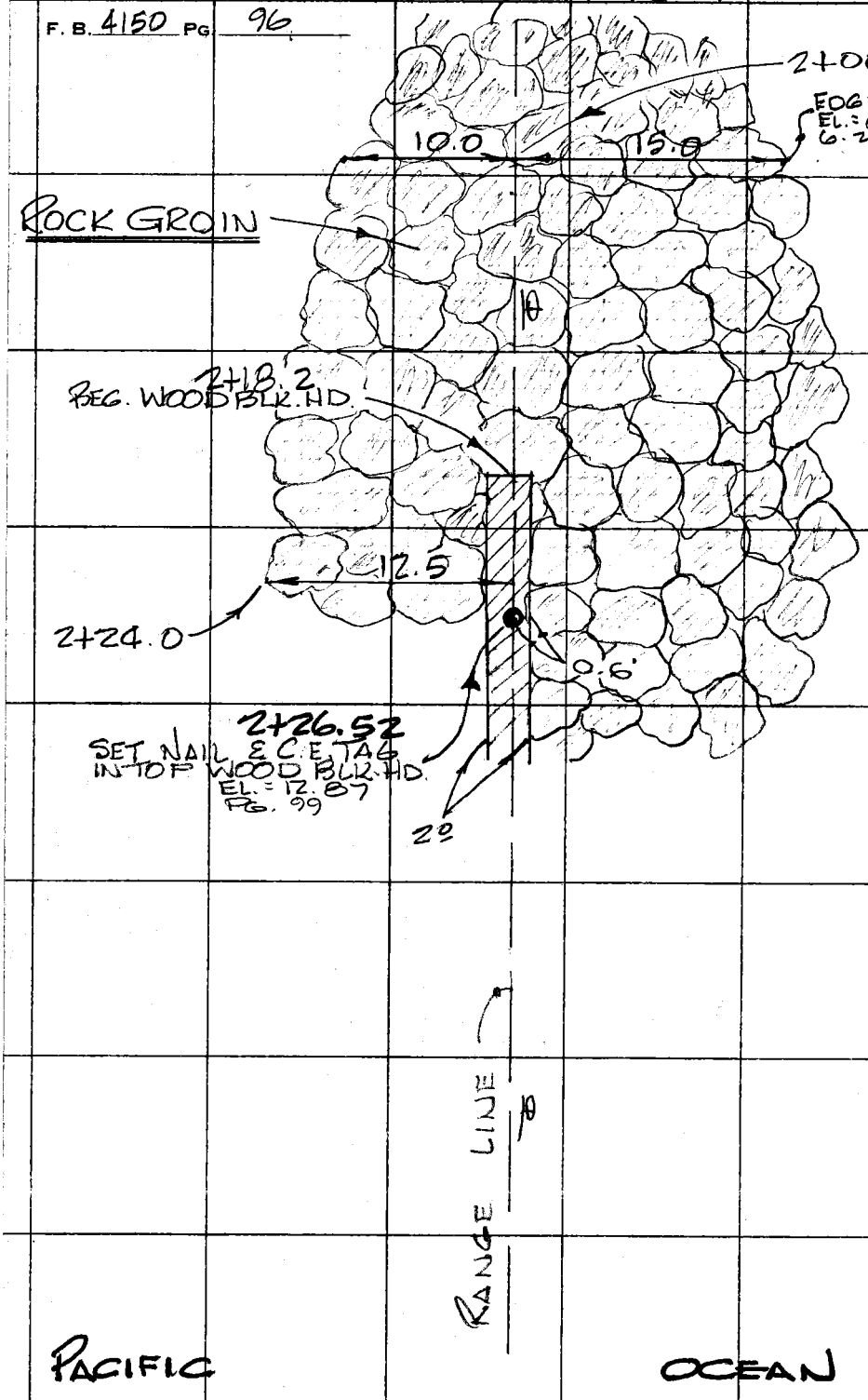
76F309s CE#310 3-69

CONT. FR. BOTT. PG. 95

F. B. 4150 PG. 96



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F. B. 4150 PG. 97

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No 0756.42 Division No. ____ Survey of DOCKWEILER BEACH

X-Sec. No. ____ Notes Chk'd. ____ Date ____ Checked ____ Date ____ Survey by R.B.H. Notes R.B.H. Date 6-21-78 Map No. ____ Indexed G.D. BAILEY Date JUL 5 1978

DOCKWEILER BEACH
J.N. 0756.42

X - SECTIONS

JUNE 21ST, 1978
R.B. HOBSON
C.R. YASUI

DATUM : M.L.L.W.

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

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76-L-298 CE 307 8-70

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F. B. 4150 PG. 98 | Job No 0756.42 Division No. | Notes Red | Plotted | Profile
Survey of ROCKWEILER BEACH | Date | Date | No.
Survey by R.B.H. Notes R.B.H. | Notes Chk'd. | Checked | X-Sec.
Indexed G.D. BAILEY | Date JUL 5 1970 | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.	M.L.L.W.
T.B.M.				12 87	T.B.M. ELEV. = 12.87 F.B 2499-143 L.&C.E TAG IN CONC. "BIKE PATH" (SEE PG. 95 FOR LOC.)
0+77.3				142	8.0' LT. TOP BRK.
0+78.3				128	8.0' LT. BOTT BRK.
0+79.2				127	44.5 LT. BEG. BRKS.
0+83.0				144	LINE TOP BRK.
"				129	1.0 LT. BOTT BRK.
0+88.0				144	LINE TOP BRK - BEG. ROCKS.
"				125	1.0 LT. BOTT BRK.
1+19.0				138	LINE TOP ROCKS
"				111	5.0 RT. BOTT BRK @ ROCKS
"				160	6.0 RT. TOP BRK.
"				100	5.0 LT - BOTT ROCKS
1+28.8				143	27.4 RT. TOP BRK.
1+31.5				092	18.0 RT. BOTT. BRK.
1+47.4				092	LINE - GR @ END ROCKS
1+51.0				081	25.2 RT. - BOTT. BRK.
"				139	35.2 RT. - TOP BRK.
"				099	43.0 LT - GROUND
1+53.4				090	LINE GROUND

76-L-298 CE 307 8-70

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STATION	B. S.	H. I.	F. S.	ELEV.	M.L.L.W.
1+71.3				06 7	LINE GR. @ REG. ROCKS.
1+79.0				08 4	25.0 RT. - BOTT. BRK.
"				12 9	35.0 RT. - TOP BRK.
1+97.5				08 8	17.0 RT. - BOTT. BRK.
2+00.0				09 2	LINE - TOP ROCKS
"				01 2	15.0' LT. - GR. @ ROCKS (WATER LINE)
2+04.8				09 6	11.3 RT. - BOTT. BRK.
2+05.2				12 8	26.0 RT. - TOP BRK.
2+ 08.1				13 1	14.0 RT. - TOP BRK.
2+13.3				10 7	(@ EDGE ROCKS) 6.0 RT. - BOTT. BRK.
"				13 1	11.0 RT. - TOP BRK.
2+24.0				11 7	(@ EDGE ROCKS) 12.5 RT. - BOTT. BRK.
"				12 8	14.0 RT - TOP BRK.
2+26.5				12 87	LINE TOP WOOD BULKHD.
T.B.M.				12 87	T.B.M. ELEV. = 12.87 F.B. 2499-143 (SEE PG. 98 FOR DESCR.)

Profile Notes Red. Plotted Job No. 156.42 Division No.
No. Date. Date. Survey of DOCKWEILER BEACH
X-Sec. Notes Chk'd. Checked Survey by R.B.H. Notes R.B.H. Date 6-21-78
No. Date. Date. Map No. Index G.D. BAILEY Date MAY 5 1978

F.B. 4150 PG. 99

F. B. 4150 Pg. 100 Job No.____ Division No.____ Notes Red____ Plotted____ Profile

Survey of____ Date____ Date____ No.____

Survey by____ Notes____ Notes Chk'd.____ Checked____ X-Sec.

Indexed____ Date____ Date____ Date____ No.____

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

76-L-298 CE 307 8-70

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Notes Ck'd by	Survey of SURFRIDERS BEACH
Map No.	JN 0756.41 Tape Std °F
Office Work	Surveyed by R.B. HOBSON
Checked	Notes R.B.H Date 6-23-78
Date	Indexed G.D. BAILEY JUL 7 1978

F. B. 4150 PG. 101

SURFRIDER'S BEACH
J.N. 0756.41

HORIZONTAL CONTROL FOR REQUIRED CROSS-SECTIONS.

JUNE 23RD, 1978
R.B. HOBSON
C.R. YASUI
R.C. CLIFFORD

SEE PG.'S 107 THRU 110 FOR X-SECTIONS

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76F309S CE#310 3-69

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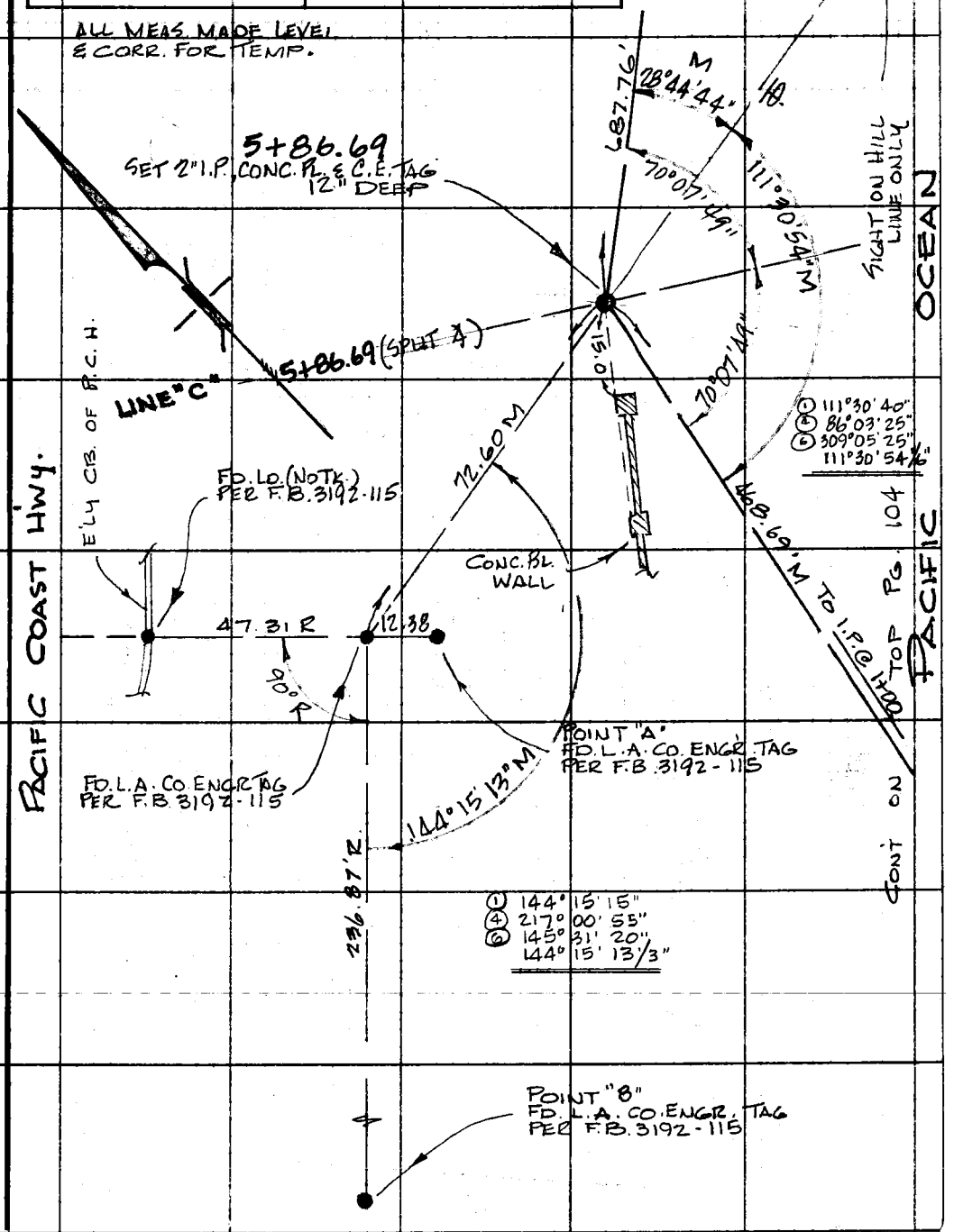
F. B. 4150 PG 102

Notes Ck'd by	Survey of SURFRIDERS BEACH
Map No.	JN 0756 A1 Tape Std °F
Office Work	Surveyed by R.B.H
Checked	Notes R.B.H Date 6-23-78
Date	Indexed G.D. BAILEY JUL 7 1978

F.B. 4150 PG. 103

CONT. ON BOTT. PG.



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

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76F309S CE#310 3-69

F. B. 4150 PG 104

CONT. FR. RT. PG 103

ALL MEAS. MADE LEVEL & CORR. FOR TEMP.

LINE "B" 3+36.69'

TO I.P.C STA. 5+18.67

90°

486.69' M.

OCEAN

1+00.00 ~ THIS SURVEY SET 2" I.P., CONC. PL. & C.E. TAG, 18" DP.

90°

LINE "A" 1+00

5.8'

POST FOR VOLLEY-BALL NET

VOLLEY-BALL NET

PACIFIC

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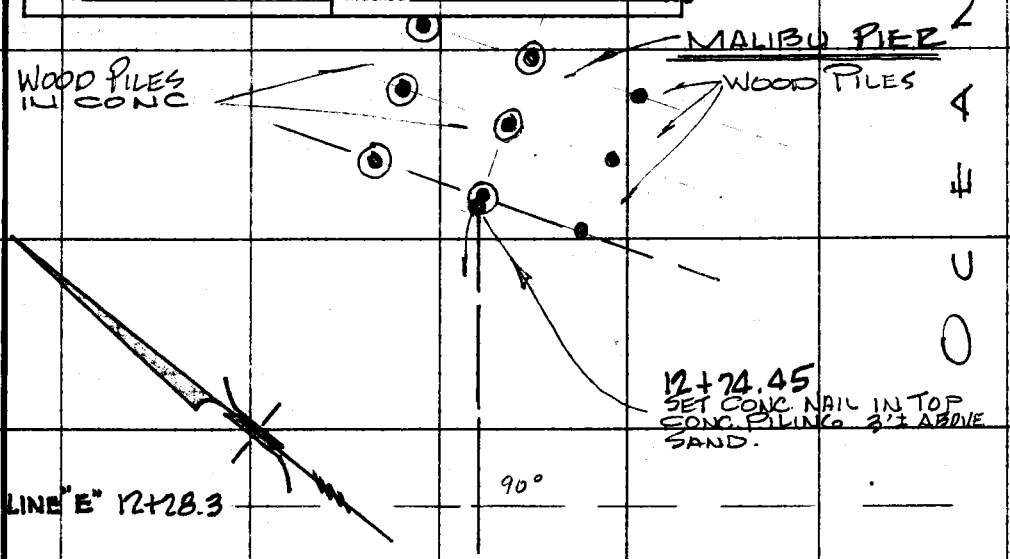
Notes Ck'd by	Survey of SURFRIDER BEACH
Map No.	JN 075647 Tape Std °F
Office Work	Surveyed by R.B.H.
Checked	Notes R.B.H. Date 6-26-78
Date	Indexed G.D. BAILEY JUL 7. 1978

F.B. 4150 PG. 105
ALL MEAS. MADE LEVEL & CORR. FOR TEMP.



PACIFIC OCEAN

CONT. FR. TOP PG. 103

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F. B. 4150 PG 106

Profile No. | Notes Red | Plotted | Job No 0756.41 | Division No. 11 | F. B. 4150 | PG. 107
Date | Date | Survey of SURFRIDERS BEACH
X-Sec. No. | Notes Chk'd. | Checked | Survey by R.B.H. | Notes R.B.H. | Date 6-26-78
Date | Date | Map No. | Indexed G.D. BAILEY | Date JUL 7 1978

SURFRIDER'S BEACH
J.N. 0756.41
X - SECTIONS

JUNE 26TH, 1978
R.B. HOBSON
E.R. YASUI
R.C. CLIFFORD

DATUM : M.L.L.W.

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

SEE PG.'S 101 THRU 105 FOR HORIZONTAL CONTROL.

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76-L-298 CE 307 5-66

76-L-298 CE 307 5-66

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F. B. 4150 Pg. 108 | Job No 17564 | Division No. | Notes Red | Plotted | Profile
Survey of SURFRIDERS BEACH | Date | Date | No.
Survey by R.B.H. Notes R.B.H. | Notes Chk'd. | Checked | X-Sec.
Indexed G.D. BAILEY Date JUL 7 [illegible] | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.	M. L. L. W	
PT. "A"				17 40	PT. "A" ELEV. = 14.60 (14.60 + 2.80 = 17.40)	F.B. 3192-118
					A L. & C.E. TAC IN CONC.	(FOR LOC. SEE F.B. 3192-115)
T.P.				19 43	T.P.	
LINE		"A"	(SEE PG. 104)			
1+00.00		LENKER ROD		11 2		LINE
"				09 0		55.5 RT (E.) BRK.
"				10 3		94.5 RT. (E) BRK.
"				05 6		136.5 RT. (E) WATER
"				13 1	50.0 LT. (W.)	GROUND
LINE		"B"	(SEE PG. 104)			
3+36.7		LENKER ROD		12 4		LINE
"				09 1		33.0 RT. (E) BRK.
"				10 8		89.5 RT (E) BRK.
"				05 0		142.5 RT. (E) WATER
"				18 8	50.0 LT.	

76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.	M.L.L.W.	
T.P.				2069	T.P.	
LINE		"C"	(SPLIT 4 - SEE PG. 103)			
5+86.7				1.43		LINE (GROUND)
"				13.40		LINE (TOP 2" I.P. - SEE PG.)
"				0.90		47.5 RT. (E.LY) BRK
"				11.4		123.5 RT. (E.LY) BRK.
"				06.7		153.5 RT. (E.LY) WATER
"					25.0 LT. (W.LY) BRK.	
"					51.0 LT. (W.LY) BOTT. BRK.	
T.P.				14.73	T.P	
LINE		"D"	(SEE PG. 105)			
8+18.7				10.3		LINE
"				10.3		13.0 RT. (S.E.LY) BRK.
"				06.3		63.0 RT. (S.E.LY) WATER
"				09.9	41.0 LT. (N.W.LY) BRK.	
"				11.1	50.0 LT. (N.W.LY) GROUND	

LENKER ROD

LENKER ROD

Profile Notes Red ____ Plotted ____ Job No. 0756.4 Division No. ____
No. ____ Date ____ Date ____ Survey of SURFRIDER'S BEACH
X-Sec. Notes Chk'd. ____ Checked ____ Survey by Z.B.H. Notes R.B.H. Date 6-26-78
No. ____ Date ____ Date ____ Map No. ____ Indexed G.D. BAILEY Date JUL 7 1978

F. B. 4150 PG. 109

76-L-298 CE 307 5-66

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Do not extend notes this side of this line.

F. B. 4150 Pg. 110 | Job No. 0756.4 Division No. | Notes Red | Plotted | Profile
Survey of SURFRIDERS BEACH | Date | Date | No.
Survey by R.B.H. Notes R.B.H. | Notes Chk'd. | Checked | X-Sec.
Indexed G.D. BAILEY | Date JUL 7 1970 | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.	M.L.L.W.
T.P.				12 43	T.P.
LINE		"E"	(SEE	Pg. 105)	
12+28.3				05 3	LINE (WATER)
"				11 9	50.0 LT. (N.W. LY) GROUND
T.P.				12 81	T.P.
T.P.				14 73	T.P.
PT. "A"				17 42	PT. "A" ELEV. = 14.60 (14.60 + 2.80 = 17.40) F.B. 3192-118

LENKER ROD

Notes Ck'd by	Survey of LAS TUNAS BEACH
Map No.	JN 0756.36 Tape Std °F
Office Work	Surveyed by R.B. HOBSON
Checked	Notes R.B.H. Date 6-27-78
Date	Indexed G.D. BAILEY JUL 7- 1978

F. B. 4150 PG. 111

LAS TUNAS BEACH
J.N. 0756.36

HORIZONTAL CONTROL FOR X-SECTIONS - ALSO REQUIRED TOPOGRAPHY.

JUNE 27TH, 1978
R.B. HOBSON
C.R. YASUI
R.C. CLIFFORD

SEE PG.S 115 THRU 117 FOR X-SECTIONS.

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76F309S CE#310 3-69

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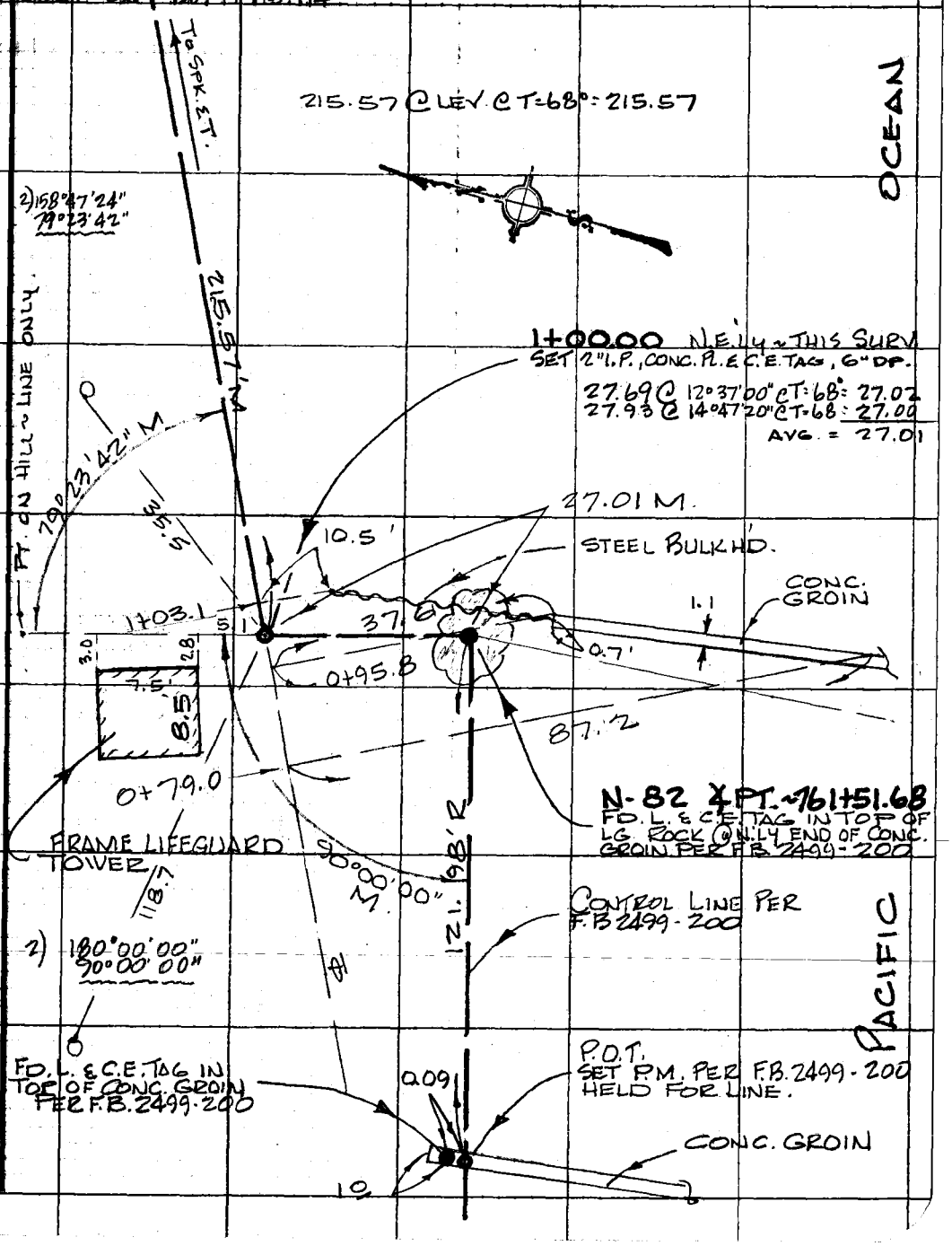
F. B. 4150 PG 112

Notes Ck'd by	Survey of LAS TUNAS BEACH	F. B. 4150 PG. 113
Map No.	JN 0756.36 Tape* Std °F	
Office Work	Surveyed by R.B. HOBSON	
Checked	Notes R.B.H. Date 6-27-78	
Date	Indexed G.D. BAILEY JUL 7 1978	

CONT ON BOTT. PG. 114



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

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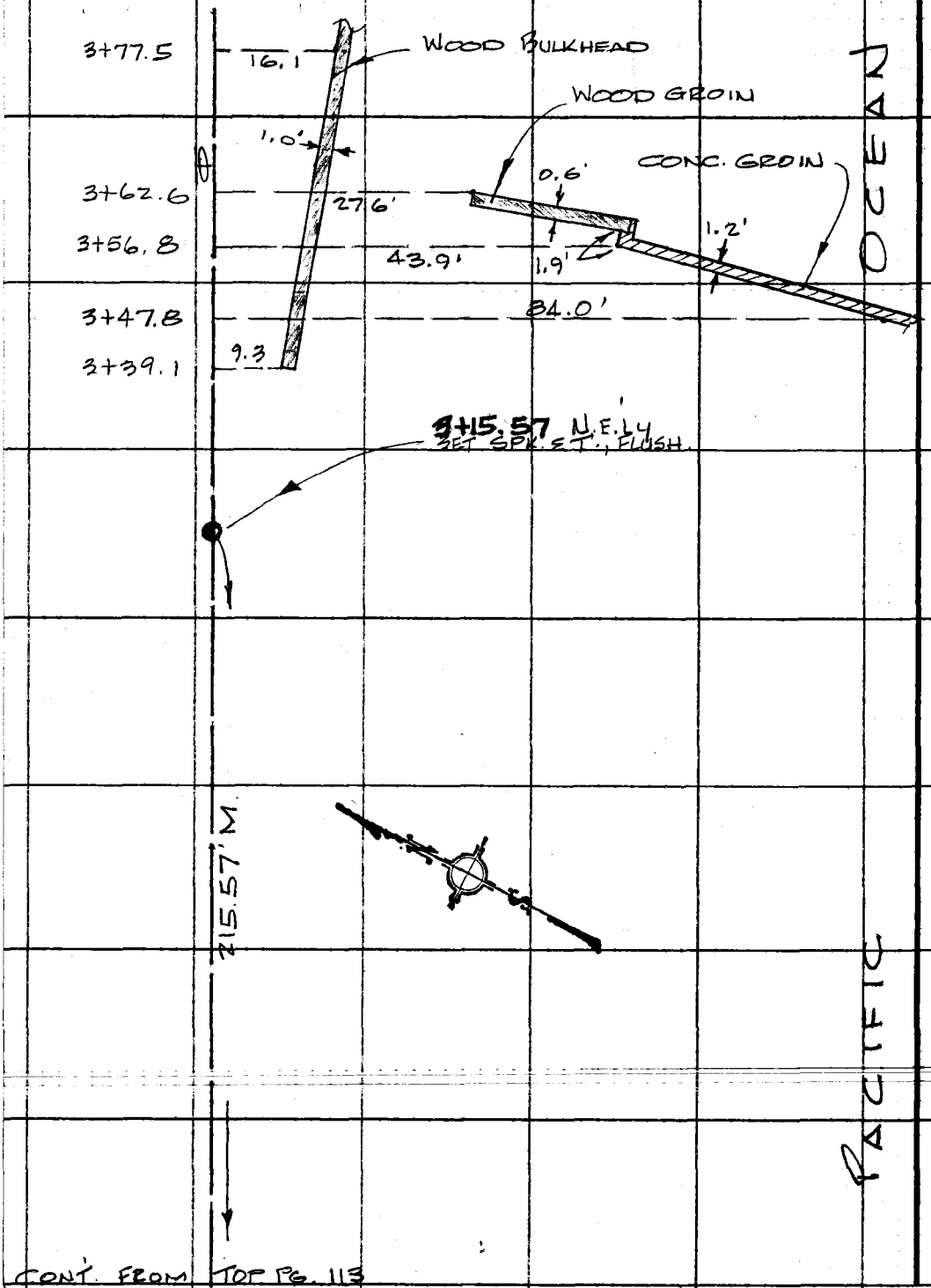
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 3-69

F. B. 4150 Pg. 114



CONT. FROM TOP PG. 113

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F. B. 4150 PG. 115

Profile No. Notes Red Plotted Job No. 0756.36 Division No.
Date Date Survey of LAS TUNAS BEACH
X-Sec. No. Notes Chk'd. Checked Survey by R.B.H Notes R.B.H Date 6-27-78
Date Date Map No. Indexed G.D. BAILEY Date JUL 7 1978

LAS TUNAS BEACH
J.N. 0756.36

X - SECTIONS

JUNE 27TH, 1978
R.B. HOBSON
C.R. YASUI
R.C. CLIFFORD

DATUM : M.L.L.W.

STATION	B.S.	H.I.	F.S.	ELEV.
			SEE PG.'S 111 THRU 114 FOR HORIZONTAL CONTROL AND TOPOGAPHY.	

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76-L-296 CE 307 5-66

76-L-298 CE 307 5-66

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403 Los Angeles County Engineering Bldg.

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F.B. 4150 Pg. 116 | Job No 07536.36 Division No. | Notes Red | Date | Plotted | Profile
Survey of LAS TUNAS BEACH | Date | No. | X-Sec.
Survey by R.B.H. Notes R.B.H. | Notes Chk'd. | Checked
Indexed G.D. BAILEY Date JUL 7 1966 | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.	M.L.L.W.	
N-82				15 25	N-82 EL=15.25 F.B. 2499-165 (SEE PG 113 FOR LOC) L.E.C. ETAG IN TOP LG ROCK @ N.W. END CONC. GROIN.	
0+79.0				08 42		87.2 RT ~ TOP GROIN
" ±				00 2		" ± " ~ GR. E. SIDE GR.
" ±				04 6		" ± " ~ GR. W. SIDE GR.
0+95.8				12 13		37.6 RT. ~ TOP GROIN
" ±				03 4		" ± " ~ GR. E. SIDE GROIN
" ±				11 0		" ± " ~ GR. W. SIDE GROIN
1+00.0				23 4		7.0 RT ~ TOP BANK
1+03.1				14 33		10.5 RT ~ TOP STEEL BULKHD.
"				09 4		10.5 RT ~ GR. E. SIDE "
1+91.3				23 1		8.5 RT ~ TOP BANK.
"				10 7		19.1 RT ~ BOTT. "
"				03 0		48.1 RT ~ WATER
2+73.4				23 8		LINE ~ TOP BANK
"				10 5		13.0 RT ~ BOTT BANK
"				04 5		58.0 RT ~ WATER
3+39.1				23 2		9.3 RT. ~ GR C.N. SIDE BULKHD.
"				24 05		" " ~ TOP BULKHD.
"				18 7		10.3 RT ~ GR C.S. SIDE BULKHD.

76-L-298 CE 307 8-70

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STATION	B. S.	H. I.	F. S.	ELEV.	M.L.L.W.	
3+39.1		ROD		09 5		36.7' RT. ~ GR. ~ BRK.
"				04 7		88.0' RT ~ WATER
3+47.8				0831		84.0 RT - TOP GROIN
" ±				03 1		" ± " ~ GR C.E. SIDE GROIN.
" ±				04 9		" ± " ~ GR C.W. SIDE GROIN.
3+56.8				10 05		43.9 RT. ~ TOP GROIN
"				09 7		" " ~ GR. W. SIDE GROIN
3+ 59.3 ±				07 7		" ± " ~ " E. " "
3+62.6				10 50		27.6 RT. ~ TOP GROIN.
"				10 3		" " ~ GR. E. SIDE GROIN
"				10 8		" ± " ~ GR. W. " "
3+77.5		LEVEL		22 6		16.1 RT. ~ GR. N. SIDE BLKHD.
"				24 15		" " - TOP BLKHD.
"				12 7		17.1 " - GR. S. SIDE BLKHD.
N-82				15 26	N-82 EL. = 15.25 F.B. 2499-165 (SEE PG. 116 FOR DESCRIPTION)	

Profile Notes Red____ Plotted____ Job No. 0756.36 Division No.____
No.____ Date____ Date____ Survey of LAS TUNAS BEACH
X-Sec. Notes Chk'd.____ Checked____ Survey by R.B.H. Notes R.B.H. Date 6-27-78
No.____ Date____ Date____ Map No.____ Indexed G.D. BAILEY Date JUL 7 19[illegible]

F. B. 4150 PG. 117

76T-37M CE238 Cdb 7-63

TRANSFER

Date FRI 7-7-1978

F.B. 1	F.B. # 4150 – 5 to 100 Indexed
L.B.	101 to 110 Surfriders Beach Topo
Road Dept.	J.N. 0756.41
Notes	111 to 118 Las Tunas Beach Topo
Data Folders	J.N. 0756.36
C.S. Maps (Rec.)	
Detail Maps	Letter # 7042 (At) J.N. 0756.41
C. S. Maps	& J.N. 0756.36
Unrec.	BEACH SURVEYS
Deeds	Index & File All Notes Copied &
Calc.	Copies were Given to Ken Clarke
Profiles	for plan function – Today 7-7-78
Tract Maps	HR Stock
Misc.	

To Mr. BAILEY From Mr. HOBSON / STOCK