Notes Ck'd by	Survey of
Map No.	W. O. Tape No. St'd. °F
Office Work	Surveyed by
Checked	Notes Date
Date	Indexed C. Johnson 4-9-56

F. B. 1901 Pg 5

BEACH EROSION STUDIES.

—SOUNDINGS—

J.N. 0300.02

AUG-15-1955 To Aug 17-1955

From Station 62+00N To 154+00N

M. A. Van Deren
K. Kvammen
W. Richards
J. Bazen
J. Edwards
A. Santucci
R. Turriff
J. Henderson

Microfilmed April '86

Notes Ck'd by	Survey of Beach Erosion
Map No.	W. O. Tape No. St'd. °F
Office Work	Surveyed by V&M Deren
Checked	Notes V.N.E. Date
Date	Indexed A. C. Johnson

F. B. 2300 PG. 6A

August 15, 1953

Time	Tide
5:00	2.1
5:30	2.7
6:00	3.3
6:30	3.8
7:00	4.1
7:30	4.3
8:00	4.2
8:30	4.2
9:00	4.2
9:30	3.8
10:00	3.5
10:30	3.3

Standard Time

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

Do not extend notes this side of this line.

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76F3098 247 4-53

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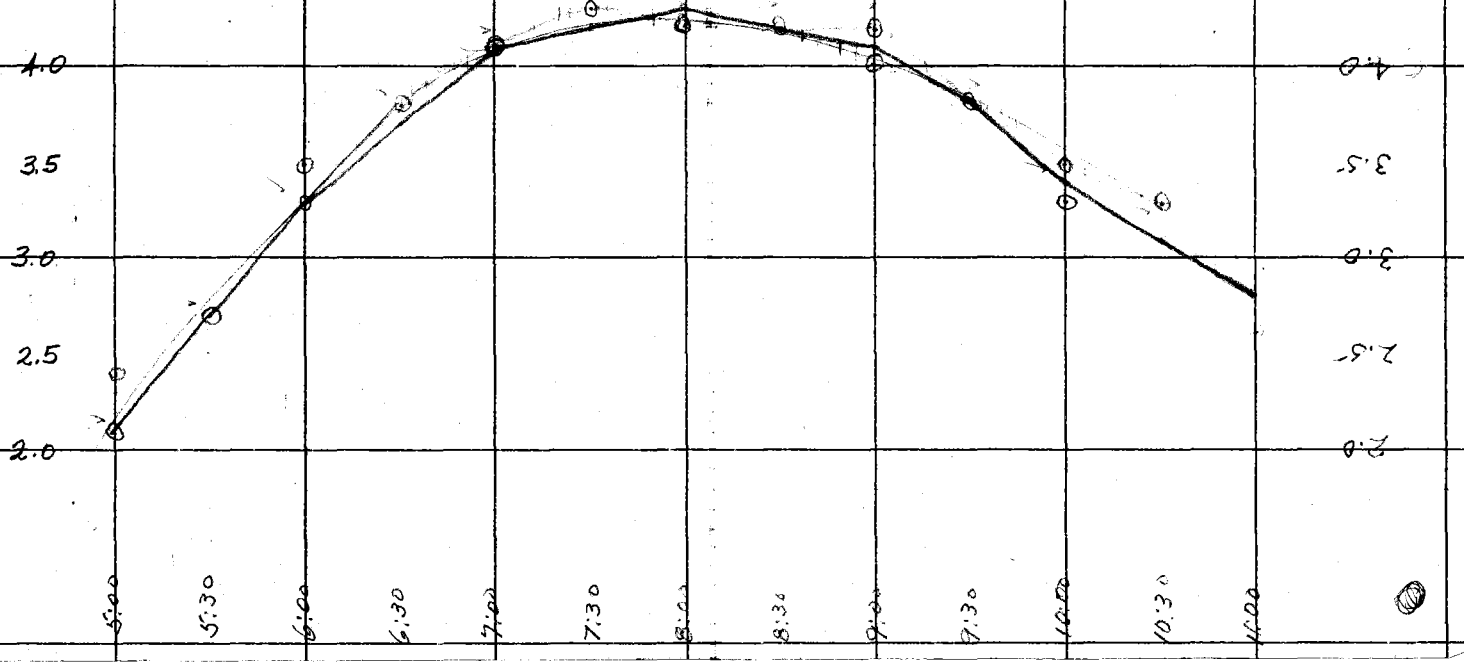
F.B. 2300 PG. 68

Blue Curve from USC&GS Tide Tables



76L298 307 8-53

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Do not extend notes this side of this line.

Profile No.____ Notes Red.____ Date____ Plotted____ Date____ Job No. 0300.02 Division No. 10
X-Sec. No.____ Notes Chkd.____ Date____ Checked____ Date____ Survey of BEACH EROSION STUDIES
Survey by ENGLISH Notes C.D. LEE Date 8-15-55
Map No.____ Inked____ Date____ Traced____ Date____

F. B. 2302 Pg. 7

STATION	B. S.	H. I.	F. S.	ELEV.		
60+00						
T.P. (2nd Line)	1 77	18 56		16 79		
T.P.	17 31	35 49	0 38	18 18		
T.P.	15 91	51 34	0 06	35 43		
B.M. 27-7	2 23	48 20	5 40	45 94	B.M. 27-7 U.S.3799 N-757 ELEV. 43.170	F.B. 1393-10
T.P.	0 07	30 38	17 89	30 31		2.800
						45.970
62+00			5 45	24 93	CENTER PAV. RD.	
12 FT LEFT			5 21	25 17	W'LY EDGE " "	
13 " "			4 8	25 6	ASPHALT CURB	
21 " "			4 8	25 6	BRK, TOP	
48 " "			14 7	15 7	BRK, BOTTOM.	
100 " "			16 0	14 4		
200 " "			17 0	13 4		
T.P. " "	4 21	17 9	16 68	13 70		
300 " "			4 6	13 3		
400 " "			4 8	13 1		
500 " "			3 9	14 0		
562 " "			4 2	13 7	BRK	
583 " "			6 1	11 8		
600 " "			6 4	11 5		
615 " "			7 7	10 2		
T.P. 660 " "			12 00	5 9		

INSHORE
N. 62+00

76L298 307 8-53

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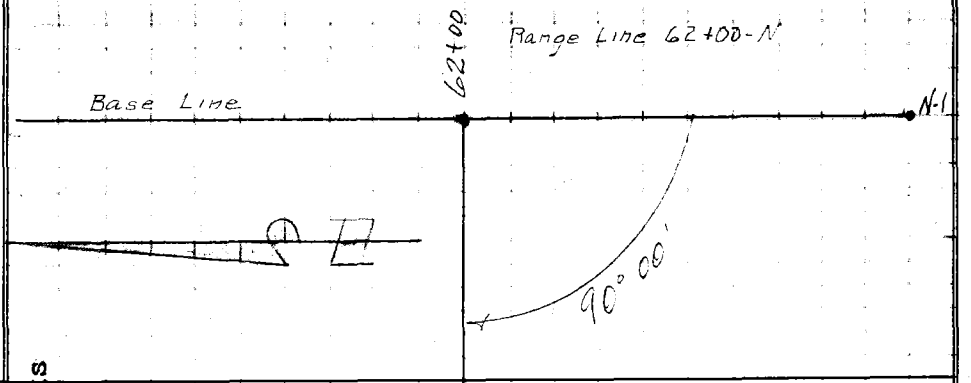
Do not extend notes this side of this line. Cut in A

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at 58+00	Sight on 62+00
T.P.	2 3	8 2		5 1		
			6 4	1 8	59° 37' 682 ✓	
			11 4	-3 2	62 01 753 ✓	
			15 8	-7 6	63 49 814 ✓	
			19 0	-10 8	65 06 862 ✓	

F. B. 2302 Pg. 8 Job No. 0300.02 Division No. 10 Notes Red. Plotted Profile
Survey of Beach Erosion Date Date No.
Survey by EE&GD Notes EE&GD Notes Chkd. Checked X-Sec.
Index K. C. Johnson Date Date Date No.

Profile	Notes Red.	Plotted	Job No. 0300.02	Division No. 10	F. B. 2302	Pg. 9
No.	Date	Date	Survey of Beach Erosion			
X-Sec.	Notes Chkd.	Checked	Survey by Van Deren	Notes J.J.E.	Date 8-15-55	
No.	Date	Date	Map No. [redacted]	Date		



STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At CH	#	Color	Time	Hor. Ang.	
	1			90° 00'	
	2			90° 00'	
	3			90° 00'	
	4			90° 00'	
	5			90° 00'	
	6			90° 00'	
	7			90° 00'	
	8			90° 00'	
	9			90° 00'	
	10			90° 00'	
	11			90° 00'	
	12			90° 00'	
	13			90° 00'	
	14			90° 00'	
	15			90° 00'	
	16			90° 00'	
	17			90° 00'	
	18			90° 00'	
	19			90° 00'	
	20			90° 00'	

N-1

62+00-N

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E.B. 2302 PG. 10

Job No. 0300.02 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Date Date No.

Survey by Van Deren Notes J.V.E. Notes Chkd. Checked X-Sec.

Indexed A. C. Johnson Date Date Date No.

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.		Remarks
62+00-N						
N-1						

Range Line 62+00-N

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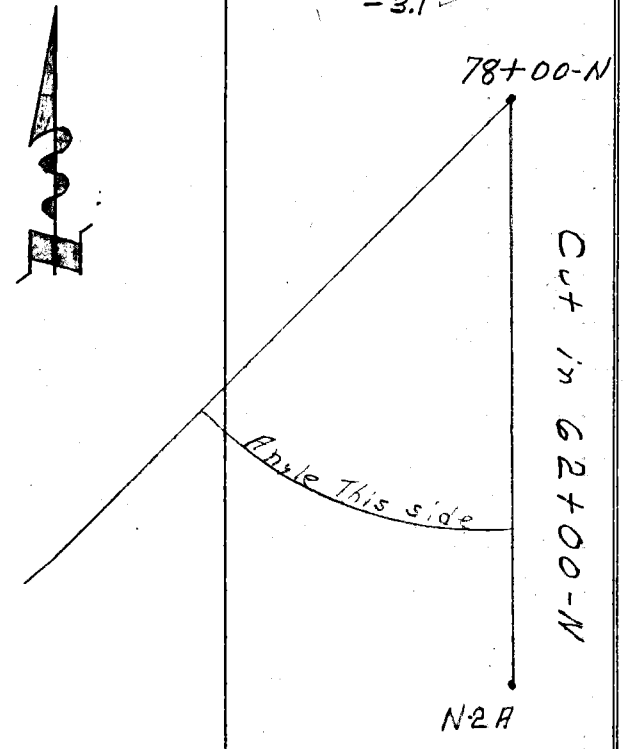
Do not extend notes this side of this line.

STATION	B. S.	H. I.		F. S.	ELEV.		
Inst. Sight At Ch	#	Color		Time	Hor. Ang.		Remarks
	1	33.4	30.3	6:16	59° 19'	2696	
	2	32.2	29.1		57° 45'	2536	
	3	30.7	27.6		55° 47'	2353	
	4	29.5	26.4		54° 18'	2227	
	5	28.2	25.1		52° 29'	2084	
	6	26.7	23.6		50° 04'	1911	
	7	25.2	22.1		47° 38'	1754	
	8	23.8	20.7		44° 55'	1595	
	9	22.5	19.4		41° 55'	1436	
	10	21.6	18.5		39° 08'	1302	
	11	19.7	16.6		35° 30'	1141	
	12	19.0	15.9		33° 25'	1056	
	13	18.2	15.1		32° 45'	1029	
	14	17.7	14.6		31° 56'	997	
	15	17.3	14.2		31° 19'	973	
	16	16.6	13.5		30° 30'	942	
	17	15.9	12.8		29° 45'	914	
	18	14.7	11.6		29° 05'	890	
	19	13.6	10.5		28° 21'	863	
	20	12.0	8.9		27° 41'	839	

Zero Adj. −0.5
Boat Adj. +1.0
Tide −3.6
−3.1



78+00-N
N-2A

Profile Notes Red. Plotted Job No. 0300.02 Division No. 10 F.B. 2302 Pg. 11
No. Date Date Survey of Beach Erosion Study
X-Sec. Notes Chkd. Checked Survey by Van Deren Notes R.T. Date 8-15-55
No. Date Date Map No. Indexed Johnson Date

F. B. 2302 Pg. 12 | Job No 2300.02 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Study Date 8-15-55 Date No.

Survey by Van Deren Notes R.T. Notes Chkd. Checked X-Sec.

Indexed A. C. Johnson Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight On	#	Color	Time	Hor. Ang.	
78+00-N	21	11.0	6:21	26° 58'	814 ✓ Cut in 62+00-N
N-2A		7.9			

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761.298 307 8-53

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76L298 307 8-53

1200

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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.

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STATION	B. S.	H. I.	F. S.	ELEV.		
						F.B. 1393-10
B.m. 27-7	2 23	48 20		4597	B.M. 27-7 U.S. 3799	W-767 ELEV. 43.170
						+ 2.800
T. P.	007	3038	17 89	3031		M.L.L.W 45.970
64+00			533	2505		
12 FT. LEFT			515	2523	WLy EDGE PAV. RD.	
13 " "			49	255	ASPHALT CURB " "	
16 " "			49	255	BRK, TOP	
46 " "			141	163	" BOTTOM	
61 " "			144	160	ELy EDGE PAV. PARKING AREA	
T.P.	4 21	17 91	1668	1370		
100 FT LEFT.			25	154		
190 " "			34	145	WLy EDGE PAV. PARKING AREA	
191 " "			41	138	SAND. " " " "	
200 " "			45	134		
300 " "			48	131		
400 " "			50	129		
500 " "			39	140		
548 " "			35	144		
600 " "			74	105		
620 " "			100	79		
T.P.	2 3	8 2	1200	591		
T.P.			0 0	8 2		

INSHORE
N. 64+00

Profile Notes Red. ___ Plotted ___ Job No. 30062 Division No. 10 F.B. 2302 Pg. 43
No. ___ Date ___ Date ___ Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. ___ Checked ___ Survey by ENGLISH Notes GALEE Date 8-15-55
No. ___ Date ___ Date ___ Map No. ___ Checked ___ Date ___

76L298 307 8-53

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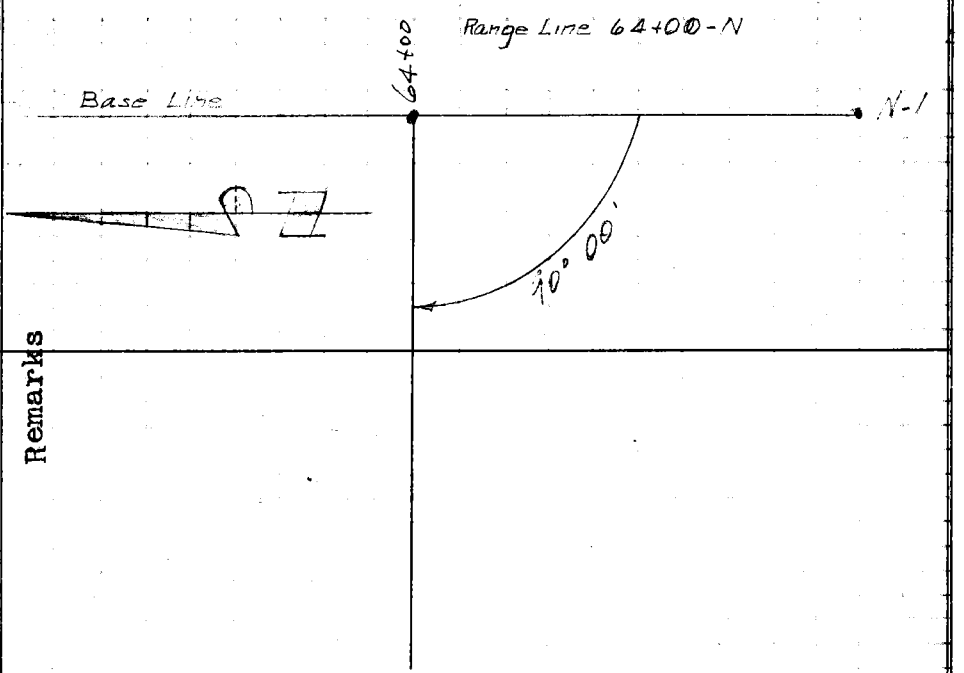
F.B. 2302 Pg. 19 Job No. 0300.02 Division No. 10 Notes Red. Plotted
Survey of Redlands Extension Date Date
Survey by Ed & GD Notes Ed & GD Notes Chkd. Checked
Indexed C. Johnson Date Date Profile No. X-Sec. No.

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at 58+00	Sight on 64+00
T. P.	0 2	8 4		8 2		
			6 3	2 1	48° 55'	688 ✓
			12 4	-4 0	51 41	759 ✓
			17 0	-8 6	53 37	814 ✓
			20 5	-12 1	55 19	867 ✓

Profile	Notes Red.	Plotted	Job No. 0300.02	Division No. 10	F. B. 2302	Pg. 15
No.	Date	Date	Survey of Beach Erosion			
X-Sec.	Notes Chkd.	Checked	Survey by Van Deren	Notes J. E.	Date 8-15-50	
No.	Date	Date	Map No.	Indexed Johnson	Date	



STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At On	#	Color	Time	Hor. Ang.	
	1		6:33	90° 00'	
	2			90° 00'	
	3			90° 00'	
	4			90° 00'	
	5			90° 00'	
	6			90° 00'	
	7			90° 00'	
	8			90° 00'	
	9			90° 00'	
	10			90° 00'	
	11			90° 00'	
	12			90° 00'	
	13			90° 00'	
	14			90° 00'	
	15			90° 00'	
	16			90° 00'	
	17			90° 00'	
	18			90° 00'	
	19			90° 00'	
	20			90° 00'	

N-1

64+00-N

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F.B. 2302 Pg. 16 Job No. 0300.02 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Date Date No.

Survey by Van Deren Notes J.J.E. Notes Chkd. Checked X-Sec.

Indexed K. C. Johnson Date Date Date No.

76L298 307 8-53

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STATION	B.S.	H.I.	F.S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.		Remarks
64+00-N	21		6:38	90:00		
N-1						
					Range Line 64+00-N	

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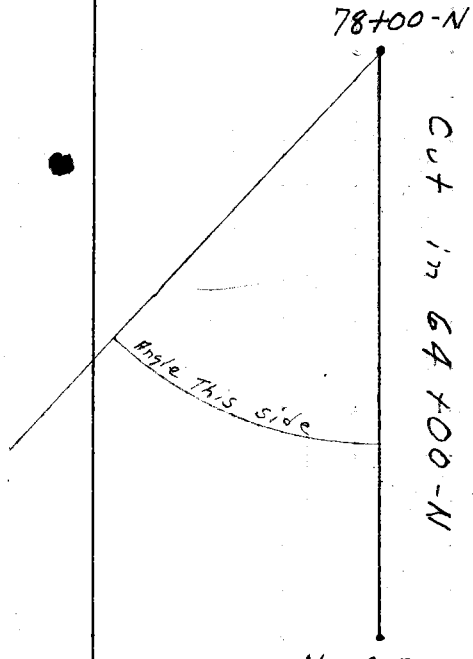
Do not extend notes this side of this line.

STATION		B. S.	H. I.		F. S.	ELEV.		
Inst. At	Sight On	#	Color		Time	Hor. Ang.		Remarks
		1	32.4	28.9	6:33	61° 12'	2547 ✓	
		2	29.9	26.4		58° 22'	2273 ✓	
		3	28.6	25.1		56° 25'	2109 ✓	
		4	27.5	24.0		54° 12'	1941 ✓	
		5	26.0	22.5		51° 55'	1787 ✓	
		6	24.7	21.2		49° 58'	1666 ✓	
		7	23.9	20.4		47° 27'	1525 ✓	
		8	22.9	19.4		45° 10'	1408 ✓	
		9	21.7	18.2		42° 14'	1271 ✓	
		10	20.4	16.9		39° 29'	1153 ✓	
		11	19.9	16.4		38° 08'	1099 ✓	
		12	19.4	15.9		37° 17'	1066 ✓	
		13	18.7	15.2		36° 25'	1033 ✓	
		14	18.1	14.6		35° 22'	994 ✓	
		15	17.4	13.9		34° 22'	957 ✓	
		16	16.3	12.8		33° 31'	927 ✓	
		17	15.6	12.1		32° 44'	900 ✓	
		18	14.6	11.1		31° 50'	869 ✓	
		19	13.2	9.7		30° 56'	839 ✓	
		20	11.2	7.7		30° 13'	815 ✓	

Remarks Zero Adj. -0.6 ✓
Boat Adj. +1.0 ✓
Tide -3.9 ✓ -3.8
-3.5 ✓



78+00-N
N-2A

Profile Notes Red. ____ Plotted ____ Job No. 2300.02 Division No. 10 F.B. 2302 Pg. 17
No. ____ Date ____ Date ____ Survey of Beach Erosion Study
X-Sec. Notes Chkd. ____ Checked ____ Survey by Van Deren Notes NT Date 8-15-55
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

F.-B. 2302 PG. 18 Job No. 0300.02 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Study Date 8-15-55 Date No.

Survey by Van Deren Notes R.T. Notes Chkd. Checked X-Sec.

Indexed A. C. Johnson Date Date Date No.

STATION	B.S.	H.I.	F.S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks
78+00-N						
N-2A		21	10.1 6.6	6.38	29° 36	795' Cut in 64+00-N

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761.298 307 8-53

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STATION	B. S.	H. I.	F. S.	ELEV.		
62+00						
T.P. 200 FT R.	4 21	17 91		13 70		
T.P.	13 10	27 9.6	305	14 86		
66+00			3 00	24 96	ON PAV. RD.	
10 FT. LEFT (W)			2 75	25 21	WLY EDGE " "	
16 " "			2 6	25 4	BRK, TOP SLOPE	
42 " "			1 17	1 63	BRK BOT	
67 " "			121	1 59	E'LY EDGE PAV. PARKING AREA	
100 " "			125	155		
190 " "			134	146	WLY EDGE PAV. PARKING AREA	
191 " "			143	137	SAND " " " "	
200 " "			147	133		
T.P. 130 " "	3 20	17 77	1339	1457		
300 " "			46	132		
400 " "			50	128		
500 " "			39	~~13.7~~ 13.9		
557 "			37	141	BRK	
600			60	118		
614			80	98	BRK	
T.P. 646			1110	667		

INSHORE
N. 66+00

Profile Notes Red. Plotted Job No. 030002 Division No. 10 F. 2302 Pg. 19
No. Date Date Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. Checked Survey by ENGLISH Noted GREEN Date 8-15-55
No. Date Date Map No. Traced Johnson Date

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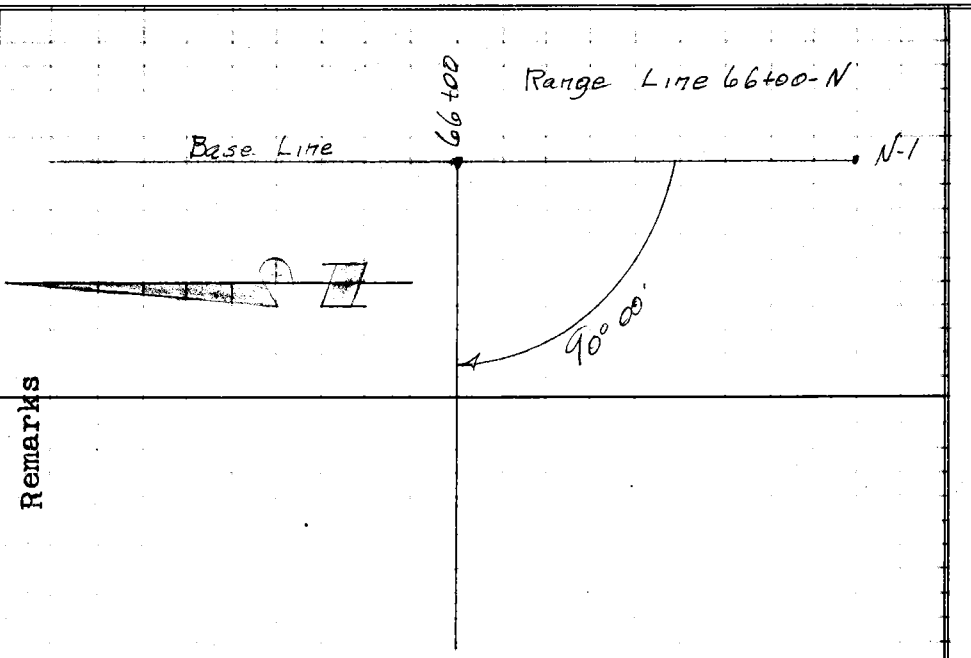
F. B. 2302 Pg. 20 | Job No. 0300.02 | Division No. 10 | Notes Red. | Date | Notes Chkd. | Date | Plotted | Date | Checked | Date | Profile No. | X-Sec. No.

Survey of Beach Erosion
Survey by EE&GD Notes EE&GD
Indexed R. C. Johnson Date

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at 60+00	Sight on 66+00
T.P.	19	86		67		
			69	17	49 07	693 ✓
			133	-47	51 54	765 ✓
			160	-71	53 06	799 ✓
			184	-98	54 26	839 ✓

Profile	Notes Red.	Plotted	Job No. 0300.02	Division No. 10	F. B. 2302	Pg. 21
No.	Date	Date	Survey of Beach Erosion			
X-Sec.	Notes Chkd.	Checked	Survey by Van Deren	Notes J.J.E.	Date 8-15-55	
No.	Date	Date	Map No. ~~Indexed~~ Johnson		Date	



STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight Ch	#	Color	Time	Hor. Ang.	
	1		[illegible]	90° 00'	
	2			90° 00'	
	3			90° 00'	
	4			90° 00'	
	5			90° 00'	
	6			90° 00'	
	7			90° 00'	
	8			90° 00'	
	9			90° 00'	
	10			90° 00'	
	11			90° 00'	
	12			90° 00'	
	13			90° 00'	
	14			90° 00'	
	15			90° 00'	
	16			90° 00'	
	17			90° 00'	
	18			90° 00'	
			[illegible]		
At Ch	N-1				
	66+00-N				

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E.B. 2302 PG. 22 Job No. 0300.02 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Date Date No.

Survey by Van Deren Notes J.J.E. Notes Chkd. Checked X-Sec.

Indexed A. C. Johnson Date Date Date No.

76L298 307 8-53

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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.		
Inst. Sight At On	#	Color	Time	Hor. Ang.		Remarks

66+00-N

N-1

Range Line 66+00-N

76L298 307 8-53

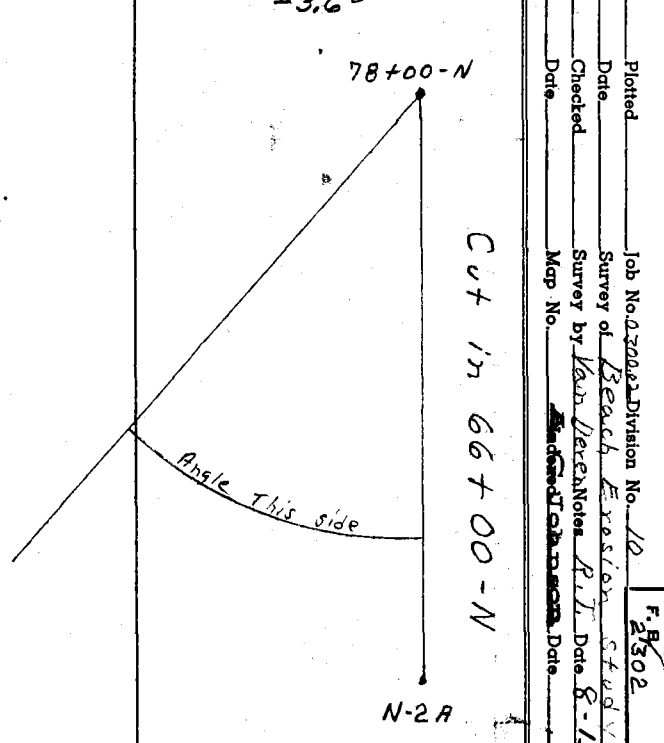
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Profile Notes Red. Plotted Job No. 0700-2 Division No. 10 F.B. 2302 Pg. 23
No. Date Date Survey of Beach Expressway Study
X-Sec. Notes Chkd. Checked Survey by Van Deren Notes R.T. Date 8-15-55
No. Date Date Map No. Traced Checked Date

STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. At	Sight On	# Color	Time	Hor. Ang.	
					Zero Adj. -0.6 ✓
					Boat Adj +1.0 ✓
					Tide -4.0 ✓
					-3.6 ✓
78+00-N	N-2A	1 33.5 29.9	6:47	65° 08'	2589 ✓
		2 31.9 28.3		63° 43'	2430 ✓
		3 30.4 26.8		61° 39'	2221 ✓
		4 28.4 24.8		59° 23'	2028 ✓
		5 27.1 23.5		57° 37'	1892 ✓
		6 25.5 21.9		55° 10'	1724 ✓
		7 24.2 20.6		52° 48'	1581 ✓
		8 23.1 19.5		49° 52'	1423 ✓
		9 22.0 18.4		47° 09'	1290 ✓
		10 21.0 17.4		44° 01'	1160 ✓
		19.6 16.0		40° 46'	1035 ✓
		12 18.2 14.6		39° 21'	984 ✓
		13 17.3 13.7		38° 20'	949 ✓
		14 16.4 12.8		37° 20'	915 ✓
		15 15.3 11.7		36° 27'	886 ✓
		16 14.1 10.5		35° 25'	853 ✓
		17 12.4 8.8		34° 30'	825 ✓
		18 10.8 7.2	6:52	33° 40'	799 ✓



F. B. 2302 PG. 24

Job No. 0300.02 Division No. 10 Notes Red. _____ Plotted _____ Profile

Survey of Beach Erosion Study Date 8-15-55 Date _____ No. _____

Survey by Van Deren Notes R.T. Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

76L298 307 8-53

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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.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks

76L298 307 8-53

11.10

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. Cut-in ∡

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at 64+00	Sight on 68+00
62+00 T.P. 200 FT. L.	4 21	17 91		13 70		
T.P.	13 10	27 96	3 05	14 86		
68+00			3 98	23 98	PAV. RD.	
16 FT. LEFT			4 57	23 39	PAV. APPROACH	TO PARKING AREA
80 " "			11 9	16 1		
100 " "			12 4	15 6	PARKING AREA	
190 " "			13 4	14 6	WLY	
200 " "			10 0	18 0		
T.P.	3 20	17 77	13 39	14 51		
300 FT L.			4 3	13 5		
400 " "			5 0	12 8		
500 " "			4 2	13 6		
555 " "			3 8	14 0	BRK	
600 " "			6 3	11 5	BRK	
627 " "			10 5	7 3	NEAR WATER	
T.P.	1 8	8 5	11 10	6 67		
			6 2	2 3	59° 50' 688 ✓	
			11 8	-3 3	61 43 743 ✓	
			15 8	-7 3	63 30 802 ✓	
			18 5	-10 0	64 48 850 ✓	

INSHORE
N 68+00

Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 10 F.B. 2302 Pg. 25
No. ____ Date ____ Date ____ Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. ____ Checked ____ Survey by BREIER ENGLISH Notes G.D.&E.E. Date 8-15-55
No. ____ Date ____ Date ____ Map No. ____ Indexed G. Johnson Date ____

Profile No. ____ X-Sec. No. ____

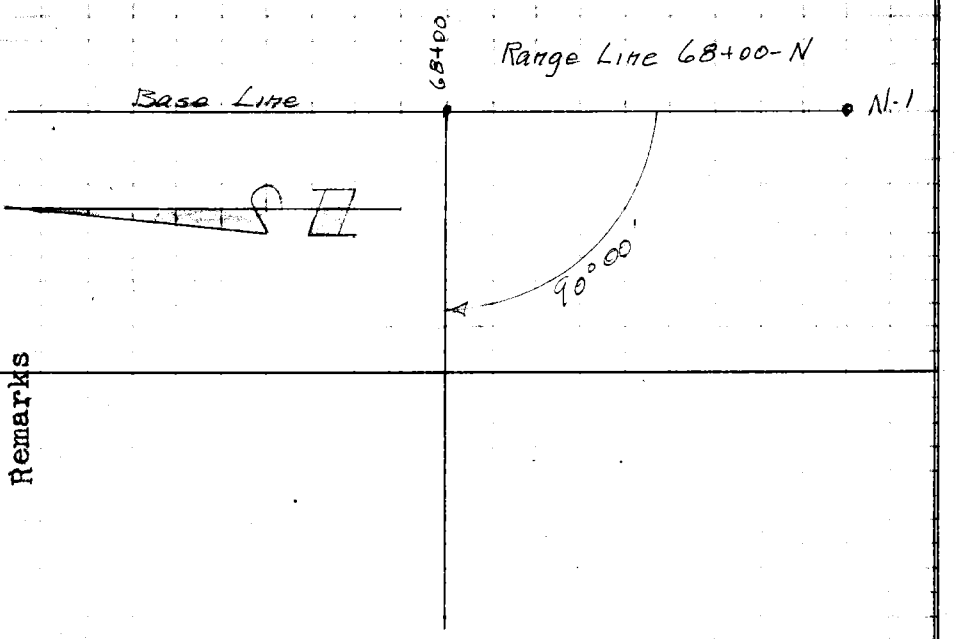
Notes Red. ____ Date ____ Plotted ____ Date ____ Job No. 0300.02 Division No. 10

Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of Beach Erosion

Survey by Van Deren Notes J.V.E Date 8-15-53

Map No. ~~Indexed~~ A.C. Johnson Date ____

F. B. 2302 Pg. 27



STATION	B. S.	H. I.	F. S.	ELEV.	Hor. Ang.	Remarks
Inst. Sight	#	Color	Time			
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N-1

68+00-N

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

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 Los Angeles County Engineering Bldg.

Do not extend notes this side of this line.

761.298 307 8-53

B.B. 2302 Pg. 28 | Job No. 03002 Division No. 10 | Notes Red. | Plotted | Profile

Survey of Beach Erosion | Date | Date | No.

Survey by Van Deren Notes V.V.E | Notes Chkd. | Checked | X-Sec.

Indexed A. C. Johnson | Date | Date | Date | No.

761-298 307 8-53

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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.

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. Sight At # Color Time Hor. Ang.	Remarks
68+00 N						
N-1						
						Range Line 68+00-N

76L298 307 8-53

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.

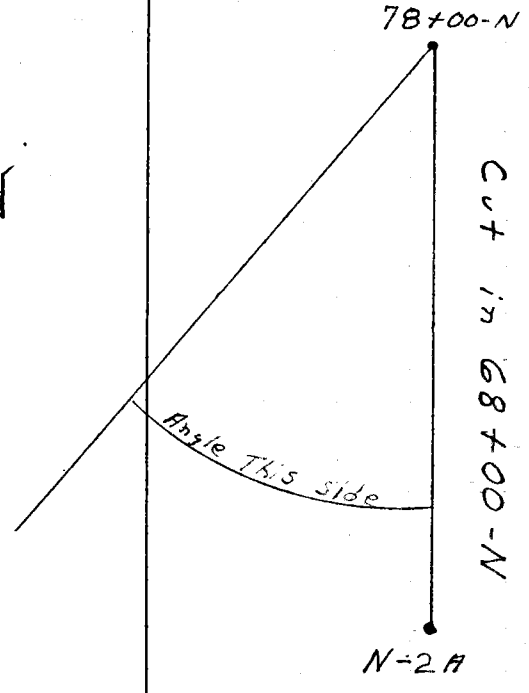
Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	
Inst. Sight At On	#	Color	Time	Hor. Ang.	
	1	33.8 ✓ 29.9	7:08	69° 18'	2646 ✓
	2	32.6 ✓ 28.7		68° 16'	2509 ✓
	3	31.1 27.2		66° 50'	2337 ✓
	4	29.7 ✓ 25.8		65° 32'	2198 ✓
	5	28.6 ✓ 24.7		63° 42'	2023 ✓
	6	27.2 ✓ 23.3		61° 55'	1874 ✓
	7	25.9 ✓ 22.0		59° 54'	1725 ✓
	8	24.9 ✓ 21.0		57° 55'	1595 ✓
	9	23.9 ✓ 20.0		55° 52'	1475 ✓
	10	22.8 ✓ 18.9		53° 46'	1365 ✓
	11	21.8 ✓ 17.9		51° 19'	1249 ✓
	12	20.4 ✓ 16.5		48° 15'	1120 ✓
	13	19.3 ✓ 15.4		45° 41'	1024 ✓
	14	18.3 ✓ 14.4		44° 00'	966 ✓
	15	17.2 ✓ 13.3		42° 50'	927 ✓
	16	15.6 ✓ 11.7		41° 36'	887 ✓
	17	14.2 ✓ 10.3		40° 31'	855 ✓
	18	12.1 ✓ 8.2		39° 35'	827 ✓
	19	10.7 6.8		38° 20'	791 ✓
	20	9.2 ✓ 5.3	7:12	37° 27'	766 ✓

78+00-N

N-2A

Remarks Zero Adj. -0.7
Boat Adj. +1.0
Tide -4.2
-3.9



Profile Notes Red. Plotted Job No. 0300.02 Division No. 10 F.B. 2302 Pg. 29
No. Date Date Survey of Beach Erosion Study
X-Sec. Notes Chkd. Checked Survey by Van Deren Notes R.T. Date 8-15-55
No. Date Date Map No. Indexed Johnson Date

F. B. 2302 PG. 30 | Job No. 300.07 | Division No. 10 | Notes Red. | Plotted | Profile

Survey of Beach Erosion Study | Date 8-15-55 | Date | No.

Survey by Van Deren | Notes R.T. | Notes Chkd. | Checked | X-Sec.

Indexed | Date | Date | Date | No.

761.298 307 8-53

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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.	Hor. Ang.	Remarks
Inst. Sight On	#	Color	Time			

76L298 307 8-53

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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. Cut-in ∡

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at 64+00	Sight on 70+00
66+00 T.P. 230 FT. L.	3 20	17 77		1457		
T.P.	4 40	19 30	287	1490		
70+00			+54	247	+10.5 -5.1	DIRT RD
14 FT. L.			+52	245	+10.5 -5.3	BRK. TOP.
40 " "			30	163		
59 " "			34	159		E'LY EDGE PAV.
100 " "			38	155		
189 " "			46	147		WLY EDGE PAV. PARKING AREA
200 " "			50	143		
300 " "			56	137		
400 " "			53	140		
500 " "			53	140		
545 " "			49	144	BRK	
570 " "			71	122	"	
600 " "			90	103		
656 " "	2 4	8 7	1305	625	T.P.	
			6 2	25	48° 40' 682 ✓	
			9 1	-0 4	49 58 714 ✓	
			15 5	-6 8	52 41 787 ✓	
			20 0	-11 3	54 04 828 ✓	

INSHORE
N. 70+00

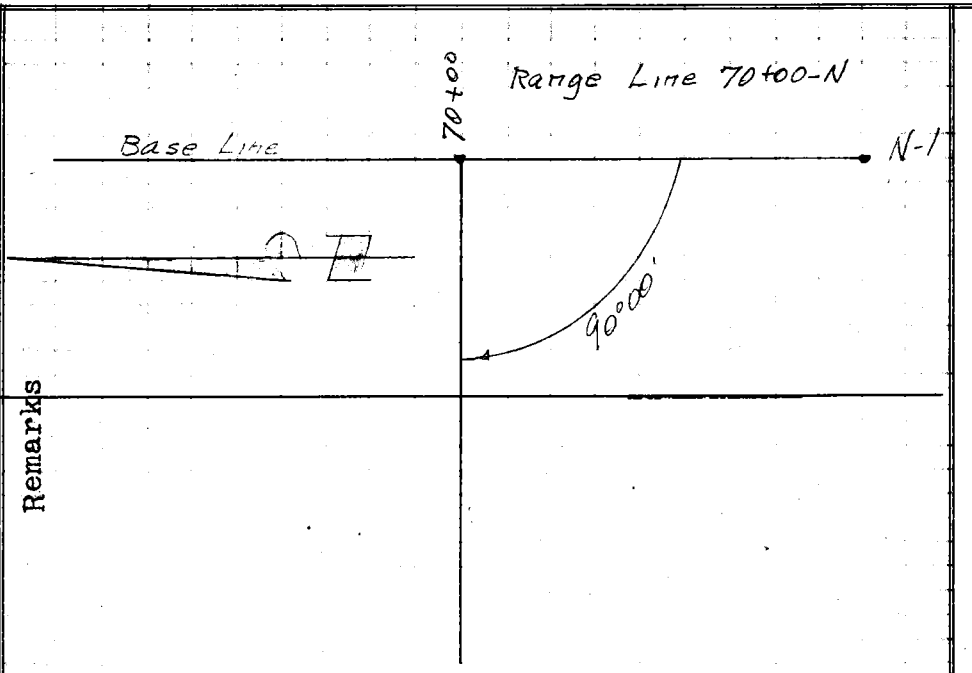
Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 10 F. B. 2302 PG. 31
No. ____ Date ____ Date ____ Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. ____ Checked ____ Survey by DREIER ENGLISH Notes G.D.&E.E. Date 8-15-55
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

Profile No. | Notes Red. | Plotted | Job No. 63002 | Division No. 10 | F. B. 2302 | Pg. 33

X-Sec. No. | Notes Chkd. | Checked | Survey of Beach Erosion

Date | Date | Survey by Van Deren Notes J.V.E. Date 8-15-57

Date | Date | Map No. Indexed G. Johnson Date



STATION	B.S.	H.I.	F.S.	ELEV.	Remarks
Inst. at Sight on	#	Color	Time	Hor. Ang.	
	1		7:20	90° 00'	
	2			90° 00'	
	3			90° 00'	
	4			90° 00'	
	5			90° 00'	
	6			90° 00'	
	7			90° 00'	
	8			90° 00'	
	9			90° 00'	
	10			90° 00'	
	11			90° 00'	
	12			90° 00'	
	13			90° 00'	
	14			90° 00'	
	15			90° 00'	
	16			90° 00'	
	17			90° 00'	
	18			90° 00'	
	19		7:25	90° 00'	
N-1					
70+00-N					

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.

761298 307 8-53

F. B. 2302 Pg. 34 | Job No. 2300.02 | Division No. 10 | Notes Red. | Plotted | Profile

Survey of Beach Erosion | Date | Date | No.

Survey by Van Deren | Notes V.J.E. | Notes Chkd. | Checked | X-Sec.

Indexed K. C. Johnson | Date | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.	Hor. Ang.	Remarks
Inst. Sight On	#	Color	Time			
						70+00-N
						N-1
						Range Line 70+00-N

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

Do not extend notes this side of this line.

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

76L298 307 8-53

76L298 307 8-53

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.

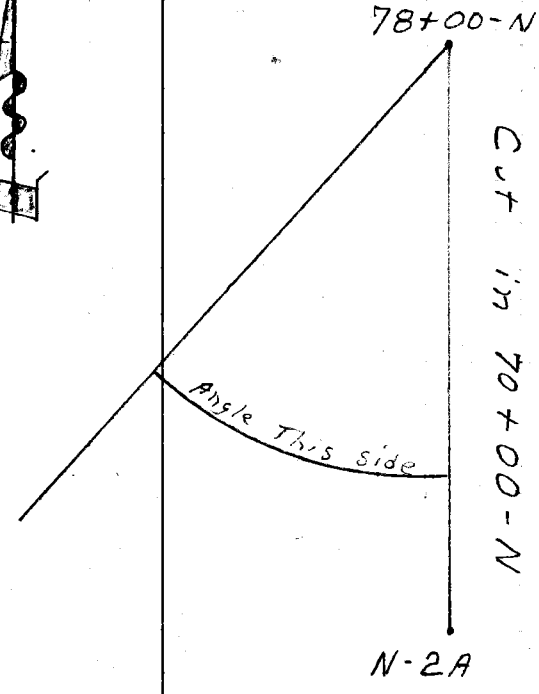
Do not extend notes this side of this line.

STATION	B. S.	H. I.		F. S.	ELEV.	
Inst. Sight At On	#	Color		Time	Hor. Ang.	
	1	34.3 ✓	30.2	7:20	73° 38'	2724 ✓
	2	33.7 ✓	29.6		73° 08'	2639 ✓
	3	32.4 ✓	28.3		72° 20'	2512 ✓
	4	31.0 ✓	26.9		70° 45'	2291 ✓
	5	29.5 ✓	25.4		69° 27'	2134 ✓
	6	28.7 ✓	24.6		68° 22'	2017 ✓
	7	27.6 ✓	23.5		66° 55'	1877 ✓
	8	26.3 ✓	22.2		65° 23'	1746 ✓
	9	25.5 ✓	21.4		63° 45'	1622 ✓
	10	24.2 ✓	20.1		61° 39'	1483 ✓
	11	23.3 ✓	19.2		59° 50'	1376 ✓
	12	22.3 ✓	18.2		57° 36'	1261 ✓
	13	20.8 ✓	16.7		55° 00'	1142 ✓
	14	19.4 ✓	15.3		52° 20'	1036 ✓
	15	18.4 ✓	14.3		50° 19'	964 ✓
	16	17.1 ✓	13.0		48° 46'	913 ✓
	17	15.5	11.4		47° 40'	878 ✓
	18	13.1 ✓	9.0		45° 49'	823 ✓
	19	10.5 ✓	6.4	7:25	44° 40'	791 ✓

78+00-N

N-2A

Remarks Zero Adj. -0.8 ✓
Boat Adj. +1.0 ✓
Tide -4.3 ✓ -4.2
-4.1 ✓



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 10 F. B. 2302 Pg. 35
No. ____ Date ____ Date ____ Survey of Beach Erosion Study
X-Sec. Notes Chkd. ____ Checked ____ Survey by Van Deren Notes R.T. Date 8-15-55
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

F. B. 2362 Pg. 36 | Job No. 4300.02 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Study Date 8-15-55 Date No.

Survey by Van Doren Notes R.T. Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight On	#	Color	Time	Hor. Ang.	

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.

761298 307 8-53

76L298 307 8-53

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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.

1305

Do not extend notes this side of this line.

Cut-in ∡

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at 78+00	Sight on 72+00
66+00						
T.P. 230 FT. L.	3 20	17 77		14 57		
T.P.	4 40	19 30	2 87	14 90		
72+00			+4 8	24 1	10.4 5.6 DIRT RD.	
16 FT. LEFT			+5 3	24 6	+10.4 -5.1 +5.3 +10.5 -5.3 TOP. BRK W. EDGE DIRT RD	
36 " "			3 0	16 3	BOT. BRK	
59 " "			3 7	15 6	ELY EDGE PAV. PARKING AREA	
100 " "			3 9	15 4		
189 " "			4 7	14 6	WLY " " " "	
200 " "			4 3	15 0		
228 " "			3 7	15 6		
300 " "			4 5	14 8		
400			5 3	14 0		
500			5 2	14 1		
545			5 0	14 3	BRK	
600			8 9	10 4	"	
627			12 0	7 3	NEAR WATER EDGE	
T.P.	1 8	8 0	13 05	6 25		
			4 8	3 2	48° 13' 671 ✓	
			8 7	-0 7	49 59 715 ✓	
			15 0	-7 0	52 55 794 ✓	
			18 2	-10 2	54 32 842 ✓	

INSHORE
N. 72+00

Profile Notes Red. Plotted Job No. 0300.02 Division No. 10 F. B. 2302 Pg. 37
No. Date Date Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. Checked Survey by DREIER ENGLISH Notes E.D.&E.E. Date 8-15-55
No. Date Date Map No. Made by Johnson Date

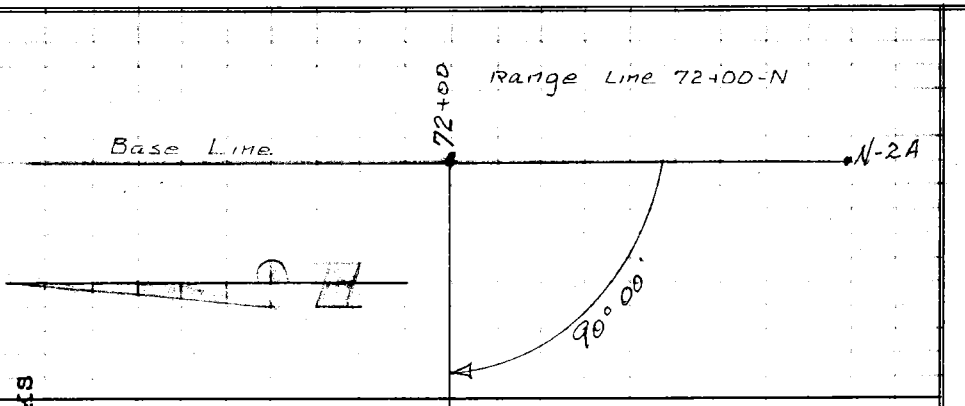
Profile No. ____ X-Sec. No. ____

Notes Red. ____ Date ____ Plotted ____ Date ____ Job No. 0300.02 Division No. 10

Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of Beach Erosion

Survey by Van Doren Notes J.V.E. Date 8-15-58 Map No. Mod. Johnson Date ____

F. B. 2302 Pg. 39



STATION	B. S.	H. I.	F. S.	ELEV.
Inst. Sight At Sta	#	Color	Time	Hor. Ang.
N-2A	1		7:35	90° 00'
	2			90° 00'
	3			90° 00'
	4			90° 00'
	5			90° 00'
	6			90° 00'
	7			90° 00'
	8			90° 00'
	9			90° 00'
	10			90° 00'
	11			90° 00'
	12			90° 00'
	13			90° 00'
	14			90° 00'
	15			90° 00'
	16			90° 00'
	17			90° 00'
72+00-N			7:39	

Remarks

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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761298 307 8-53

F.B. 2302 PG. 40 Job No. 2300.02 Division No. 10 Notes Red. _____ Plotted _____ Profile

Survey of Beach Erosion Date _____ Date _____ No. _____

Survey by Van Deren Notes J.V.E. Notes Chkd. _____ Checked _____ X-Sec.

Indexed A. C. Johnson Date _____ Date _____ Date _____ No. _____

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight						
At On	#	Color	Time	Hor. Ang.		Remarks
72+00-N						
N-2A						
						Range Line 72+00-N

Do not extend notes this side of this line.

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76L298 307 8-53

76L298 307 8-53

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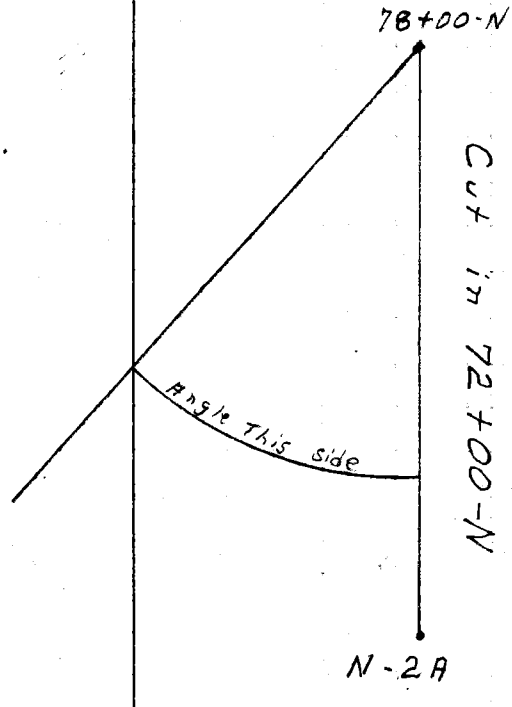
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

STATION		B. S.	H. I.		F. S.	ELEV.	
Inst. At	Sight On	#	Color		Time	Hor. Ang.	
		1	32.0 ✓	27.9	7:35	75° 56'	2395 ✓
		2	30.2 ✓	26.1		74° 37'	2181 ✓
		3	28.6 ✓	24.5		73° 11'	1985 ✓
		4	27.2 ✓	23.1		71° 55'	1838 ✓
		5	26.1 ✓	22.0		70° 56'	1736 ✓
		6	24.9 ✓	20.8		69° 26'	1599 ✓
		7	24.1 ✓	20.0		67° 27'	1445 ✓
78+00-N	N-2A	8	23.1 ✓	19.0		65° 58'	1346 ✓
		9	21.9 ✓	17.8		63° 40'	1212 ✓
		10	21.0 ✓	16.9		61° 50'	1121 ✓
		11	19.7 ✓	15.6		59° 09'	1005 ✓
		12	17.7 ✓	13.6		57° 08'	929 ✓
		13	16.8 ✓	12.7		56° 16'	899 ✓
		14	15.3 ✓	11.2		55° 08'	861 ✓
		15	14.3 ✓	10.2		54° 15'	833 ✓
		16	12.7 ✓	8.6		53° 37'	814 ✓
		17	11.1 ✓	7.0	7:39	53° 10'	801 ✓

Remarks Zero Adj. -0.8
Boat Adj. +1.0
Tide -4.3 ✓
-4.1 ✓

-4.4



Cut in 72+00-N

Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 10 F.B. 2302 Pg. 41
No. ____ Date ____ Date ____ Survey of Beach Erosion Study
X-Sec. Notes Chkd. ____ Checked ____ Survey by Van Deren Notes R.T. Date 8-15-55
No. ____ Date ____ Date ____ Map No. ____ Date ____

F.B. 2302 PG. 42 | Job No. 830.02 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Study Date 8-15-55 Date No.

Survey by Van Deren Notes R.T. Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

STATION	B.S.	H.I.	F.S.	ELEV.	Remarks
Inst. Sight					At
#					On
Color					
Time					
Hor. Ang.					

76L298 3C7 8-53

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76L298 307 8-53

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

Cut-in ∡

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at 78+00		Sight on 74+00
72+00 T.P. (LINE 2)	4 40	19 30		14 90			
T.P.	3 32	18 35	4 27	15 03			
74+00			+6 2	24 5	+10.6 -4.4 +6.2	CENTER DIRT RD.	
17 FT. LEFT			+6 1	24 4	10.6 -4 5	TOP BRK	
37 " "			0 2	18 1		BOT. "	
57 " "			1 7	16 6			
100 " "			3 5	14 8			
200 " "			4 2	~~16 1~~ 14.1			
300 " "			4 2	14 1			
400 " "			4 8	13 5			
500 " "			4 3	14 0			
550 " "			3 8	14 5		BRK	
600 " "			8 8	9 5			
T.P. 653 " "	2 5	7 8	13 03	5 32			
			8 4	-0 6	60° 25'	705 ✓	
			13 0	-5 2	62 34	771 ✓	
			16 7	-8 9	63 43	810 ✓	
			20 5	-12 7	65 10	864 ✓	

INSHORE
N. 74+00

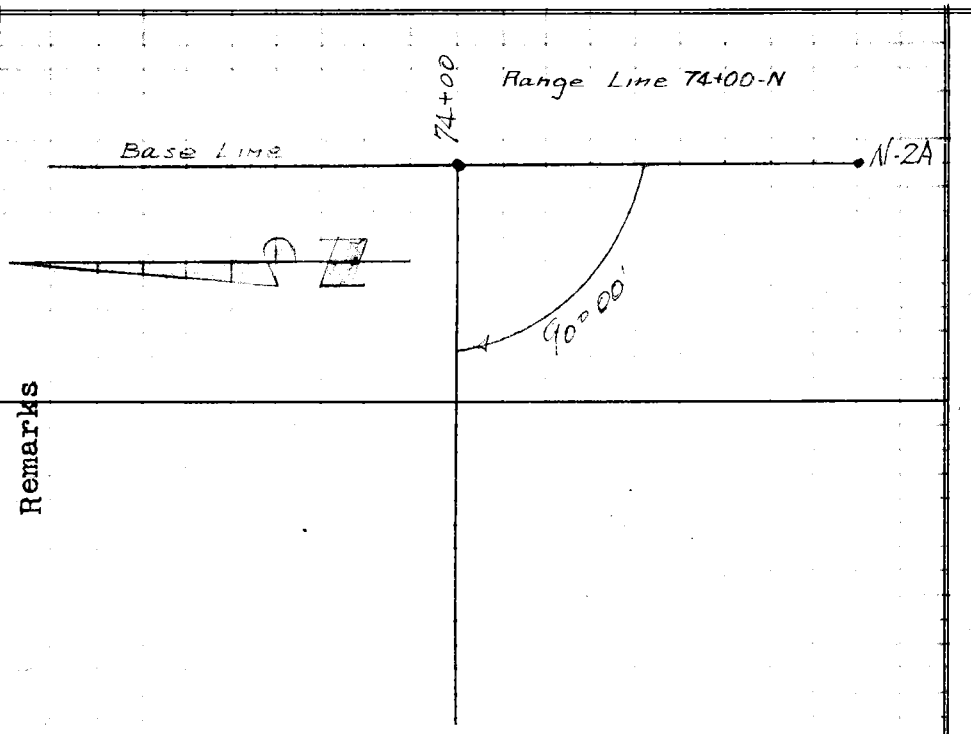
Profile Notes Red. ____ Plotted ____ Job No. 8300.02 Division No. 10 F. B. 2302 PG. 43
No. ____ Date ____ Date ____ Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. ____ Checked ____ Survey by DREIER ENGLISH Notes G.D.&E.E. Date 8-15-55
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

Profile No. ____ X-Sec. No. ____

Notes Red. ____ Date ____ Plotted ____ Date ____ Notes Chkd. ____ Date ____ Checked ____ Date ____

Job No. 2300.07 Division No. 10
Survey of Beach Erosion
Survey by Van Deren Notes J.J.E Date 8-16-57
Map No. Ed Johnson Date

F. B. 2302 Pg. 45



STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At CH	# Color	Time	Hor. Ang.		
N-2A	1		7:47	90°00'	
	2			90°00'	
	3			90°00'	
	4			90°00'	
	5			90°00'	
	6			90°00'	
	7			90°00'	
	8			90°00'	
	9			90°00'	
	10			90°00'	
	11			90°00'	
	12			90°00'	
	13			90°00'	
	14			90°00'	
	15			90°00'	
	16			90°00'	
	17		7:50	90°00'	
74+00-N					

Do not extend notes this side of this line.

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726 Los Angeles County Engineering Bldg.

761.298 307 8-53

E. B. 230P Pg. 46 | Job No. 300.02 Division No. 10 | Notes Red. | Plotted | Profile

Survey of Beach Erosion | Date | Date | No.

Survey by Van Deren Notes J.J.E. | Notes Chkd. | Checked | X-Sec.

Indexed A. C. Johnson Date | Date | Date | No.

761-296 307 8-53

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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.

STATION	B. S.	H. I.	F. S.	ELEV.	Hor. Ang.	Remarks
74+00-N						
N-2A						
Inst. Sight At	#	Color	Time			Range Line 74+00-N

76L298 307 8-53

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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.

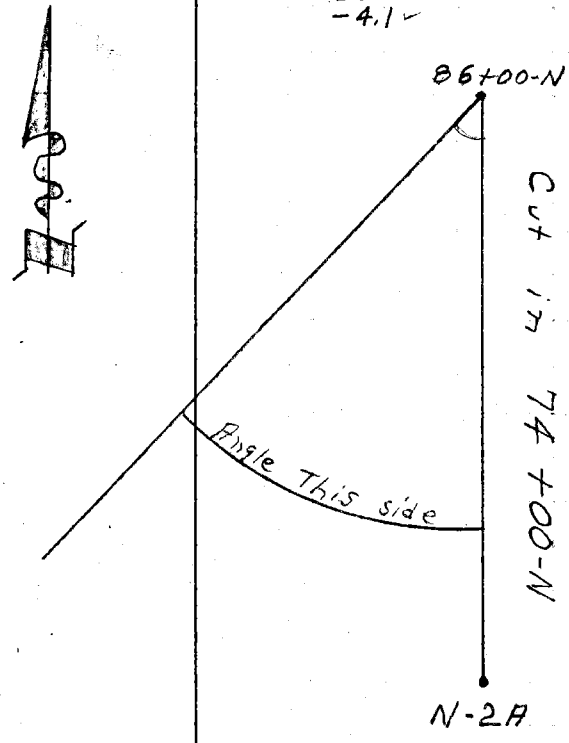
Do not extend notes this side of this line.

STATION	B. S.	H. I.		F. S.	ELEV.	
Inst. Sight At Ch	#	Color		Time	Hor. Ang.	
	1	29.1 ✓	25.0	7:47	60° 05'	2085 ✓
	2	28.0 ✓	23.9		57° 40'	1896 ✓
	3	26.7 ✓	22.6		55° 56'	1775 ✓
	4	25.7 ✓	21.6		53° 57'	1649 ✓
	5	24.1 ✓	20.0		51° 19'	1499 ✓
	6	23.1 ✓	19.0		48° 55'	1376 ✓
	7	21.9 ✓	17.8		46° 20'	1257 ✓
	8	21.3 ✓	17.2		44° 02'	1160 ✓
	9	20.4 ✓	16.3		42° 09'	1086 ✓
	10	19.6 ✓	15.5		40° 04'	1009 ✓
	11	18.7 ✓	14.6		38° 48'	965 ✓
	12	17.4 ✓	13.3		37° 37'	925 ✓
	13	16.3 ✓	12.2		36° 35'	891 ✓
	14	15.0 ✓	10.9		35° 38'	860 ✓
	15	13.4 ✓	9.3		34° 30'	825 ✓
	16	12.0 ✓	7.9		33° 35'	797 ✓
	17	10.8 ✓	6.7	7:50	33° 23'	791 ✓

86+00-N

N-2A

Remarks Zero Adj. -0.9 ✓
Boat Adj. +1.0 ✓
Tide -4.2 ✓
-4.1 ✓



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 10 F. B. 2302 Pg. 47
No. ____ Date ____ Date ____ Survey of Beach Erosion Study
X-Sec. Notes Chkd. ____ Checked ____ Survey by Van Deren Notes R.T. Date 8-15-55
No. ____ Date ____ Date ____ Map No. ____ Date ____

F. B. 2302 PG. 48 Job No. 0300.02 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Study Date 8-15-55 Date No.

Survey by Van Deren Notes R.T. Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

76L298 307 8-53

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STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks

76L298 307 8-53

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

1503

NOTE: ANY ADDITIONS 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. Cut-in ✗

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at 72+00	Sight on 76+00
72+00 T. P. (LINE 2)	4 4 0	19 30		1490		
T. P.	3 3 2	18 35	4 2 7	1503		
76+00			+ 6 6	249	+10.7 4.1 6.4	DIRT RD
15 FT. L.			+ 5 8	241	10.7 4.9 5.8	TOP BANK
30 FT. L.			2 5	158		BOT. BANK
100 " "			3 8	145		
200 " "			5 3	130		
300 " "			6 0	123		
400 " "			5 0	133		
500 " "			4 4	139		
550 " "			4 0	143	BRK	
600 " "			6 4	119		
610 " "			6 7	116	BRK	
631 " "	- 0 1.	8 2	1 0 0	83	NEAR WATER	
			6 2	2 0	59° 37'	682 ✓
			12 5	- 4 3	62 12	759 ✓
			16 5	- 8 3	63 46	812 ✓
			19 5	- 11 3	69 57	856 ✓

INSHORE
N. 76+00

Profile Notes Red. Plotted Job No. 0300.02 Division No. 10 F. B. 2302 Pg. 49
No. Date Date Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. Checked Survey by ENGLISH Notes G.D. LEE Date 8-15-55
No. Date Date Map No. Checked Johnson Date

F. B. 2300 Pg. 50 Job No. 0300[illegible] Division No. 10 Notes Red. _____ Plotted _____ Profile

Survey of [illegible] Erosion Date _____ Date _____ No. _____

Survey by EE & GD Notes EE & GD Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76L298 307 8-53

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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.

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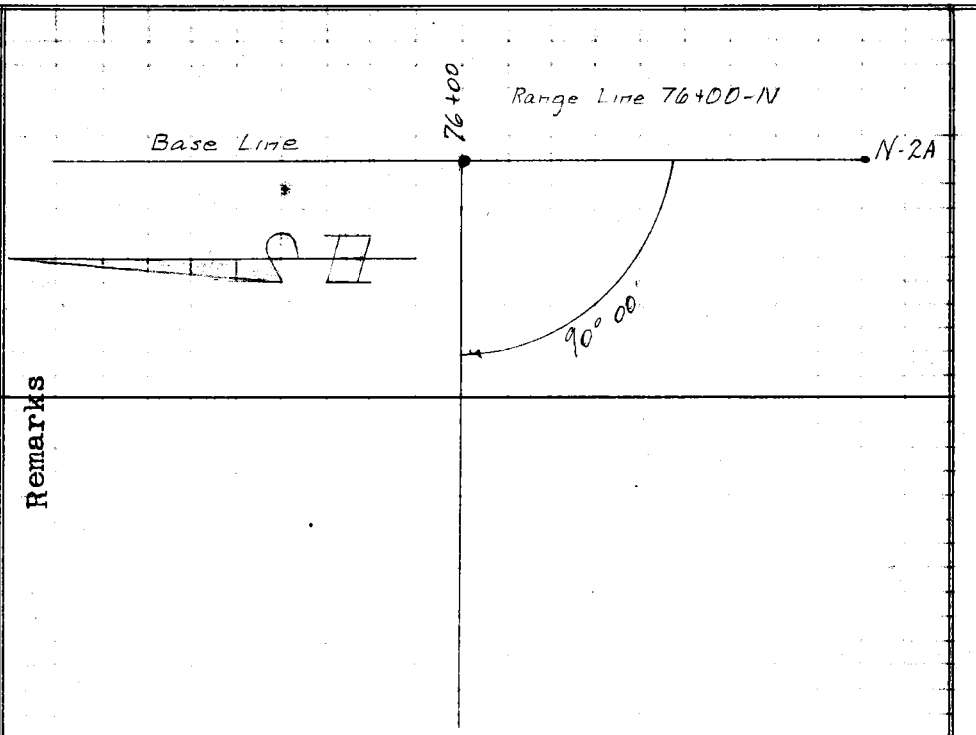
Profile No. | Notes Red. | Plotted | Job No. 0300-02 Division No. 10 | F. B. 2302 Pg. 51
X-Sec. No. | Notes Chkd. | Checked | Survey of Beach Erosion
Date | Date | Survey by Van Deren Notes J.V.E. Date 8-15-55
Map No. Ind Ed Johnson Date



STATION	B.S.	H.I.	F.S.	ELEV.	Hor. Ang.	Remarks
Inst. Sight At CH	#	Color	Time			
N-2A	1		7:5-		90° 00'	
	2				90° 00'	
	3				90° 00'	
	4				90° 00'	
	5				90° 00'	
	6				90° 00'	
	7				90° 00'	
	8				90° 00'	
	9				90° 00'	
	10				90° 00'	
	11				90° 00'	
	12				90° 00'	
	13				90° 00'	
	14				90° 00'	
	15				90° 00'	
	16				90° 00'	
	17				90° 00'	
	18				90° 00'	
	19				90° 00'	
	20		8:00		90° 00'	
76+00-N						

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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761.298 307 8-53

B. B. 2302 Pg. 52 | Job No. 0300.02 | Division No. 10 | Notes Red. | Plotted | Profile

Survey of Beach Erosion | Date | Date | No.

Survey by Van Deren | Notes V.V.E. | Notes Chkd. | Checked | X-Sec.

Indexed C Johnson | Date | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.	Hor. Ang.	Remarks
76+00-N						
Inst. Sight At	#	Color	Time			
N-2A						Range Line 76+00-N

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726 Los Angeles County Engineering Bldg.

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761298 307 8-53

761298 307 8-53

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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.

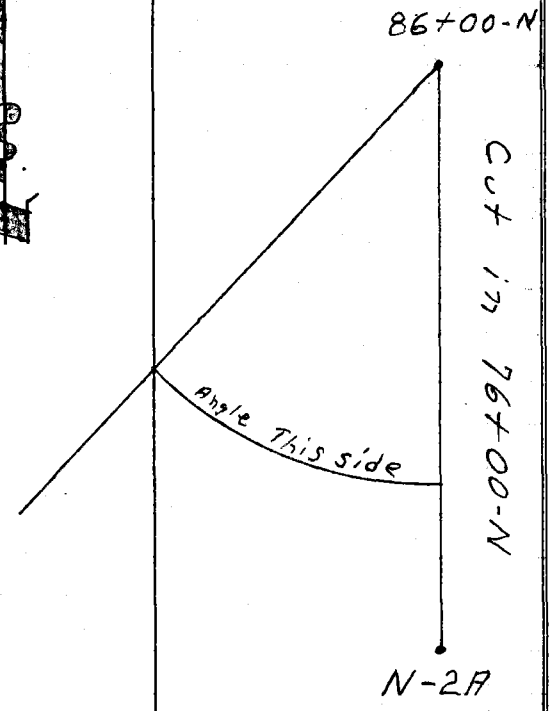
Do not extend notes this side of this line.

STATION	B. S.	H. I.		F. S.	ELEV.	
Inst. At / Sight On	#	Color		Time	Hor. Ang.	
	1	28.7	24.6	7:56	63° 06'	1971
	2	27.9	23.8		62° 15'	1901
	3	26.8	22.7		60° 53'	1795
	4	26.6	22.5		59° 40'	1709
	5	25.5	21.4		58° 15'	1616
	6	24.6	20.5		56° 35'	1516
	7	23.7	19.6		54° 53'	1422
	8	22.8	18.7		53° 00'	1327
	9	21.7	17.6		50° 55'	1231
	10	20.9	16.8		48° 18'	1122
	11	20.5	16.4		47° 10'	1079
	12	19.8	15.7		46° 00'	1036
	13	19.3	15.2		45° 07'	1004
	14	18.7	14.6		44° 08'	970
	15	17.8	13.7		43° 02'	934
	16	16.8	12.7		42° 07'	904
	17	15.5	11.4		40° 57'	868
	18	14.1	10.0		40° 00'	839
	19	12.1	8.0		38° 58'	809
	20	10.7	6.6	8:00	38° 00'	781

86+00-N

N-2A

Remarks Zero Adj. -0.9
Boat Adj. +1.0
Tide -4.2
-4.1



Profile Notes Red. Plotted Job No. 2300.02 Division No. 10 F. B. 2302 Pg. 53
No. Date Date Survey of Beach Erosion Study
X-Sec. Notes Chkd. Checked Survey by Van Deren Notes 1PJ Date 8-15-55
No. Date Date Map No. Indexed Johnson Date

76L298 307 8-53

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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.

Cut-in ✓

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at 72+00	Sight on 78+00
76+00						
T.P. (LINE2)	3 32	18 35		15 03		
T.P.	3 87	16 81	5 41	12 94		
78+00			+ 78	24 6	+12.8 −4.5	DIRT RD.
13 FT. L.			+74	24 2	+12.3 +7.8 4.9 7.4	MEAN BRK (TOP BANK)
30 " "			08	16 0		MEAN BOT. "
100 " "			21	14 7		
200 " "			25	14 3		
300 " "			63	10 5		BRK, LOW
400 " "			44	~~14 2~~ 12.4		
500 " "			30	13 8		
557 " "			25	14 3		BRK
600 " "			55	11 3		
636 " "	-2 1	8 0	668	10 13		
			5 9	2 1	5° 04'	534 ✓
			9 9	-1 9	61 16	730 ✓
			12 7	-4 8	62 2.6	766 ✓
			15 9	-7 9	63 98	813 ✓
			18 3	-10 3	64 42	846 ✓

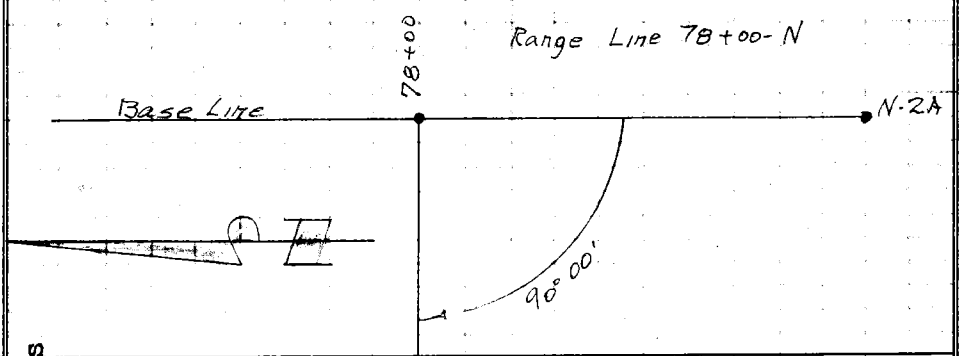
this angle evidently misread

IN SHORE
N. 78+00

Profile Notes Red. Plotted Job No. 3300.02 Division No.
No. Date Date Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. Checked Survey by ENGLISH Noted G.D.E.E. Date 8-15-55
No. Date Date Map No. Index Changed Date

F. B. 2302 Pg. 55

Profile	Notes Red.	Plotted	Job No. 0300.02	Division No. 10	F. B. 2302	Pg. 57
No.	Date	Date	Survey of Beach Erosion			
X-Sec.	Notes Chkd.	Checked	Survey by VanDeren	Notes J.V.E.	Date 8-15-55	
No.	Date	Date	Map No.	Indexed A. C. Johnson	Date	



STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At CH	#	Color	Time	Hor. Ang.	
	1		8:06	90°00'	
	2			90°00'	
	3			90°00'	
	4			90°00'	
	5			90°00'	
	6			90°00'	
	7			90°00'	
	8			90°00'	
	9			90°00'	
	10			90°00'	
	11			90°00'	
	12			90°00'	
	13			90°00'	
	14			90°00'	
	15			90°00'	
	16			90°00'	
				8:10	

N-2A

78+00-N

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

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

Do not extend notes this side of this line.

76L298 307 8-53

F. B. 2302 Pg. 58 | Job No. 030002 | Division No. 10 | Notes Red. | Plotted | Profile

Survey of Beach Erosion | Date | Date | No.

Survey by VanDeren | Notes J.V.E | Notes Chkd. | Checked | X-Sec.

Indexed A. C. Johnson | Date | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
78+00-N					
N-2A					
Inst. Sight At OR	#	Color	Time	Hor. Ang.	
					Range Line 78+00-N

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761.298 307 8-53

76L298 307 8-53

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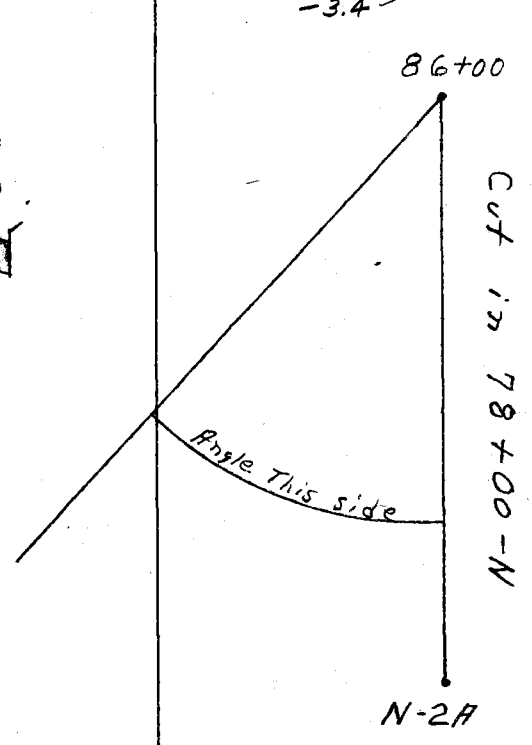
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.	
Inst. At / Sight On	#	Color		Time	Hor. Ang.	
	1	29.2	25.8	8:06	69° 20'	2121
	2	28.2	24.8		68° 09'	1995
	3	26.8	23.4		66° 36'	1849
	4	25.5	22.1		65° 00'	1716
	5	24.6	21.2		63° 24'	1598
	6	23.4	20.0		61° 36'	1480
	7	22.5	19.1		59° 34'	1362
	8	21.5	18.1		57° 32'	1257
	9	20.3	16.9		55° 22'	1158
	10	19.7	16.3		53° 07'	1066
	11	18.7	15.3		51° 32'	1007
	12	17.8	14.4		50° 05'	956
	13	16.4	13.0		48° 38'	908
	14	14.6	11.2		47° 08'	862
	15	13.7	10.3		46° 32'	844
	16	11.5	8.1	8:10	44° 56'	798

Remarks Zero Adj. -0.2
Boat Adj. +1.0
Tide -4.2
-3.4



86+00-N

N-2A

Profile Notes Red. Plotted Job No. 300.02 Division No. 10 F. B. 2302 Pg. 59
No. Date Date Survey of Beach Erosion Study
X-Sec. Notes Chkd. Checked Survey by Van Deren Notes P.T. Date 8-15-55
No. Date Date Map No. Date

76L298 307 8-53

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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.

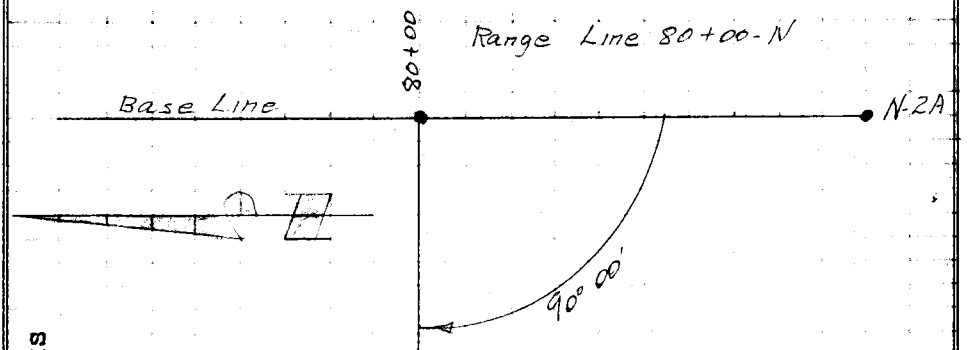
Do not extend notes this side of this line. Cut-in ∡

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at 74+00	Sight on 80+00
76+00 T.P. (LINE 2)	3 32	18 35		15 03		
T.P.	3 87	16 81	5 41	12 94		
80+00			+87	25 5	+10.4 -1.7 +8.7 DIRT RD.	
12 FT. LEFT			+89	25 7	+10.4 -1.5 +8.9 MEAN TOP BRK	
30 " "			19	14 9	" BOT. "	
100 " "			22	14 6		
200 " "			20	14 8	BRK	
300 " "			57	11 1	" LOW	
400 " "			40	12 8		
500 " "			30	13 8		
560 " "			20	14 8	BRK, TOP	
600			71	9 7		
630			100	6 8		
T.P.	-2 1	8 0	6 68	10 13		
			6 5	1 5	48° 51' 687 ✓	
			11 3	-3 3	50 51 737 ✓	
			13 4	-5 4	52 08 772 ✓	
			16 1	-8 1	53 25 808 ✓	
			18 2	-10 2	54 03 827 ✓	

IN SHORE
N. 80+00

Profile Notes Red. Plotted Job No. 0300.02 Division No. 10 F. B. 2302 Pg. 61
No. Date Date Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. Checked Survey by DREIER ENGLISH Notes G.D. & E.E. Date 8-15-55
No. Date Date Map No. Indexed C. Johnson Date

Profile	Notes Red.	Plotted	Job No. 0300.02	Division No. 10	F. B. 2302	Pg. 63
No.	Date	Date	Survey of Beach Erosion			
X-Sec.	Notes Chkd.	Checked	Survey by Van Deren	Notes J.J.E.	Date 8-15-53	
No.	Date	Date	Map No.	Indexed Johnson	Date	



STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At Ch	#	Color	Time	Hor. Ang.	
	1		8:24	90° 00'	
	2			90° 00'	
	3			90° 00'	
	4			90° 00'	
	5			90° 00'	
	6			90° 00'	
	7			90° 00'	
	8			90° 00'	
	9			90° 00'	
	10			90° 00'	
	11			90° 00'	
	12			90° 00'	
	13			90° 00'	
	14			90° 00'	
	15			90° 00'	
	16			90° 00'	
	17			90° 00'	
				8:28	

N-2A

80+00-N

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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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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76L298 307 8-53

76L298 307 8-53

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Do not extend notes this side of this line.

B.B. 2302 Pg. 64 | Job No. 3002 Division No. 10 | Notes Red. | Date | Plotted | Date | Profile No. | X-Sec. No.

Survey of Beach Erosion | Notes Chkd. | Checked | Date

Survey by Van Deren Notes V.J.E. Date

Indexed A. C. Johnson Date

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks
80+00-N	N-2A					Range Line 80+00-N

76L298 307 8-53

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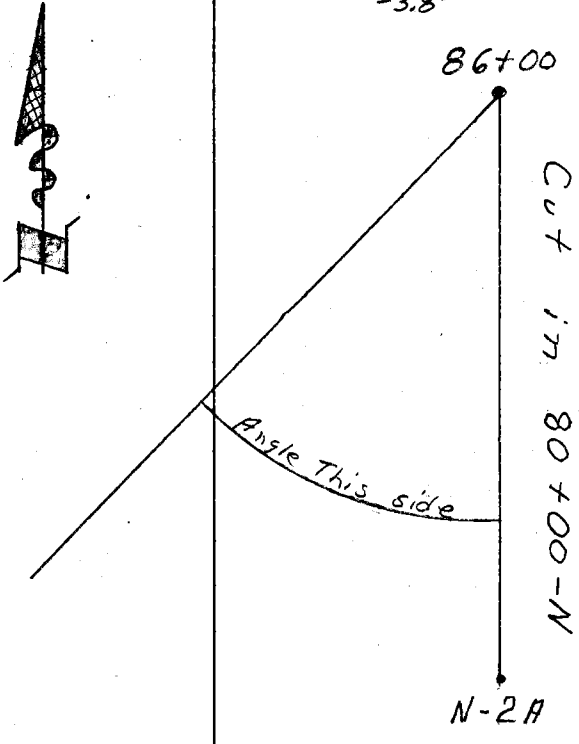
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

STATION		B. S.	H. I.		F. S.	ELEV.		
Inst. At	Sight On	#	Color		Time	Hor. Ang.		Remarks
		1	28.8	25.0	8:24	73° 13'	1989 ✓	
		2	28.1	24.3		72° 13'	1871 ✓	
		3	27.2	23.4		71° 10'	1759 ✓	
		4	26.1	22.3		69° 48'	1631 ✓	
		5	25.0	21.2		68° 10'	1498 ✓	
		6	23.7	19.9		66° 33'	1383 ✓	
		7	22.5	18.7		64° 42'	1269 ✓	
86+00-N	N-2A	8	21.1	17.3		62° 04'	1132 ✓	
		9	19.7	15.9		59° 30'	1019 ✓	
		10	19.1	15.3		58° 35'	982 ✓	
		11	18.4	14.6		57° 40'	948 ✓	
		12	17.1	13.3		56° 32'	908 ✓	
		13	15.7	11.9		55° 29'	872 ✓	
		14	14.8	11.0		54° 33'	843 ✓	
		15	12.7	8.9		53° 25'	808 ✓	
		16	10.5	6.7		52° 38'	786 ✓	
		17	9.3	5.5	8:28	52° 35'	784 ✓	

Zero Adj. −0.6 ?
Boat Adj. +1.0
Tide −4.2
−3.8



Profile Notes Red. Plotted Job No. 2300.02 Division No. 10 F.B. 2302 Pg. 65
No. Date Date Survey of Beach Erosion Study
X-Sec. Notes Chkd. Checked Survey by Van Deren Notes R.T. Date 8-15-55
No. Date Date Map No. Indexed C. Johnson Date

76L298 307 8-53

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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. Cat-in ∡

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at 78+00		Sight on 82+00
80+00 T.P. (LINE 2)	387	1681		1294			
T.P	337	1662	356	1325			
82+00			+78	244	13.2 -5.4		DIRT RD.
20 FT. LEFT			+79	~~24.5~~ ~~87~~	7.8 +13.2 -5.3 +7.9	TOP. BRK.	EDGE FILL
27 FT "			00	166		BOT. "	TOE FILL
100 " "			22	144			
200 " "			22	144			
300 " "			37	129			
400 " "			47	119			
500 " "			39	127			
575 " "			32	134		BRK	
600 " "			59	107			
622 " "			58	108		BRK	
T.P. 645 " "	03	78	908	754			
			61	17	59° 53'	690 ✓	
			103	-25	61 27	735 ✓	
			170	-92	64 19	832 ✓	

INSHORE
N. 82+00

Profile Notes Red. Plotted Job No. 0300.02 Division No. 10 F. B. 2302 Pg. 67
No. Date Date Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. Checked Survey by DREIER ENGLISH Notes G.D.&F.E. Date 8-15-55
No. Date Date Map No. Date

Inst. Johnson

Profile No. ____ X-Sec. No. ____

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

Plotted ____ Date ____ Checked ____ Date ____

Job No. 0300.02 Division No. 10

Survey of Beach Erosion

Survey by Van Dorn Notes V.V.E. Date 8-15-57

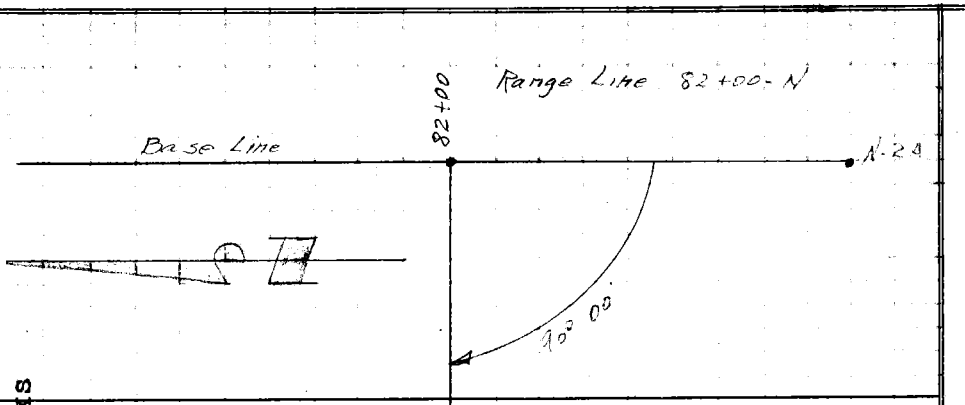
Map No. ____ Indexed A.C. Johnson Date ____

F. B. 2302 Pg. 69

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

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

Do not extend notes this side of this line.



STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. At Sight On	#	Color	Time	Hor. Ang.	
	1		8:37	75° 55'	
	2			90° 00'	
	3			90° 00'	
	4			90° 00'	
	5			90° 05'	
	6			90° 00'	
	7			90° 00'	
	8			90° 00'	
	9			90° 00'	
	10			90° 00'	
	11			90° 00'	
	12			90° 00'	
	13			90° 00'	
	14			90° 00'	
	15		8:41	90° 00'	
	16			90° 00'	
	17			90° 00'	
11-2A					
82+00-N					

76L298 307 8-53.

F. B. 2302 PG. 70

Job No. 030002 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Date Date No.

Survey by Van Deren Notes J. J. E. Notes Chkd. Checked X-Sec.

Indexed A. C. Johnson Date Date Date No.

76L298 307 8-53

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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.

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks

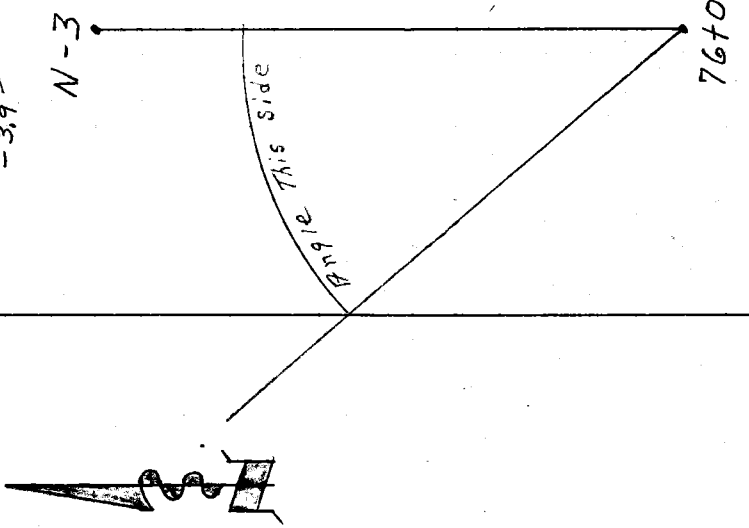
82+00-N

N-2A

Range Line 82+00-N

Profile	Notes Red.	Plotted	Job No. 0300.02	Division No. 10	F. B. 2302	Pg. 71
No.	Date	Date	Survey of Beach Erosion Study			
X-Sec.	Notes Chkd.	Checked	Survey by Van Deren	Notes R.T.	Date 8-15-55	
No.	Date	Date	Map No.	Indexed Johnson	Date	

Cut in 82+00-N



Remarks Zero Adj. -0.7 ft
Boat Adj. +1.0
Tide -4.2
-3.9

STATION	B. S.	H. I.	F. S.	ELEV.	Hor. Ang.
Inst. Sight At CH	#	Color	Time		
	1	30.8 26.9	8:37	74° 26'	2154
	2	29.0 25.1		73° 20'	2004
	3	27.6 23.7		71° 50'	1829
	4	26.3 22.4		70° 10'	1664
	5	24.8 20.9		68° 23'	1514
	6	23.6 19.7		66° 10'	1358
	7	22.5 18.6		64° 13'	1242
	8	21.2 17.3		61° 40'	1113
	9	19.7 15.6		60° 00'	1039
	10	18.8 14.9		58° 28'	978
	11	18.1 14.2		57° 45'	951
	12	17.2 13.3		56° 57'	922
	13	15.9 12.0		55° 16'	865
	14	14.8 10.9		54° 14'	833
	15	13.2 9.3		53° 18'	805
	16	11.7 7.8		52° 23'	779
	17	9.5 5.6	8:41	51° 40	759

N-3

76+00-N

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76L298 307 8-53

76L298 307 8-53

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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.

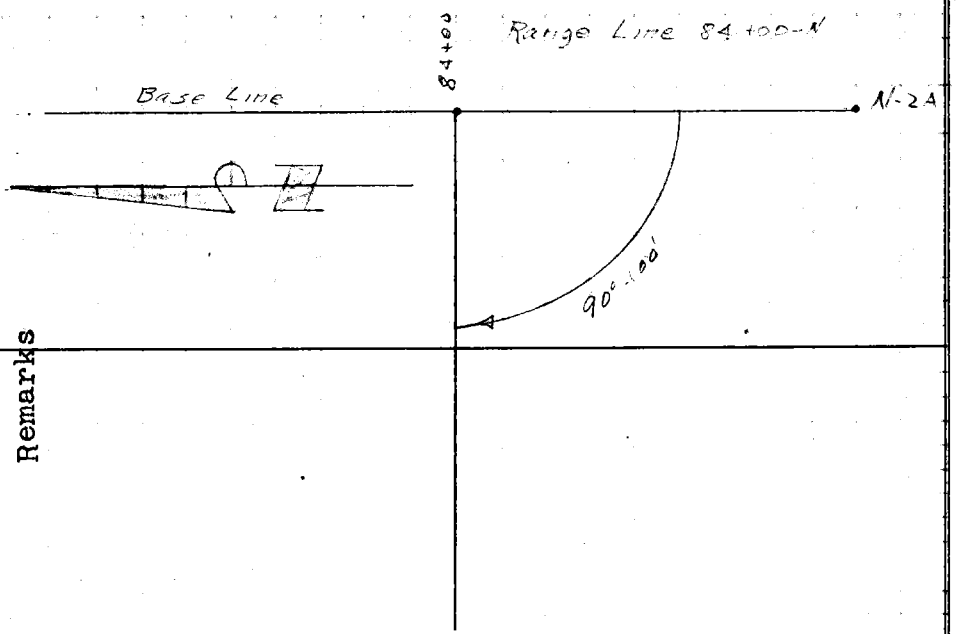
Do not extend notes this side of this line. Cut-in X

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at 78+00	Sight on 84+00
T.P. (LINE #2)	387	1681		1294		
T.P.	337	1662	356	1325		
84+00			+77	243	+13.2 -5.5 +7.7	DIRT R.B.
18 FT LEFT			+77	243	+13.2 -5.5	TOP FILL
30 " "			+05	171	+13.2 -12.7 +0.5	BOT. "
100 " "			29	137		
200 " "			40	126		
300 " "			44	122		
400 " "			50	116		
500 " "			40	126		
580 " "			25	141		
600 " "			46	120		
652 " "			107	59	NEAR WATER EDGE	
T.P.	03	78	908	754		
			60	18	48° 58'	689
			109	-31	51 16	748
			154	-76	53 38	815
			200	-122	56 09	895

INSHORE
N. 84+00

Profile Notes Red. Plotted Job No. 8300.02 Division No. 10 F. B. 2302 Pg. 73
No. Date Survey of BEACH EROSION STUDIES
X-Sec. Date Survey by ENGLISH Notes C. DEE, Date 5-15-55
No. Notes Chkd. Checked Map No. Indexed Job No. Date
Date Date Date

Profile	Notes Red.	Plotted	Job No. 0300.02	Division No. 10	F. B. 2302	Pg. 75
No.	Date	Date	Survey of Beach Erosion			
X-Sec.	Notes Chkd.	Checked	Survey by Van Deren	Notes J.J.E.	Date 8-15-55	
No.	Date	Date	Map No.	Indexed C. Johnson	Date	



STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At Ch	#	Color	Time	Hor. Ang.	
	1		91.49	90°00'	
	2			90°00'	
	3			90°00'	
	4			90°00'	
	5			90°00'	
	6			90°00'	
	7			90°00'	
	8			90°00'	
	9			90°00'	
	10			90°00'	
	11			90°00'	
	12			90°00'	
	13			90°00'	
	14			90°00'	
	15			90°00'	
	16			90°00'	
	17			90°00'	
	18			90°00'	
	19			90°00'	
	20			90°00'	

N-2A

84+00-N

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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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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76L298.307 8-53

76L298 307 8-53

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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.

E.B. 2304 Pg. 76 | Job No 83000 Division No. 13 | Notes Red. | Date | Plotted | No. | Profile
Survey of Reads Erosion | Date | Date | No. | X-Sec.
Survey by VanDeren | Notes N.A.E. | Notes Chkd. | Checked
Indexed K. C. Johnson | Date | Date | Date | No.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
		21			90°00'		
		22			90°00'		
		23		8:54	90°00'		
						Range Line	84+00-N
84+00-N	N-24						

76L298 307 8-53

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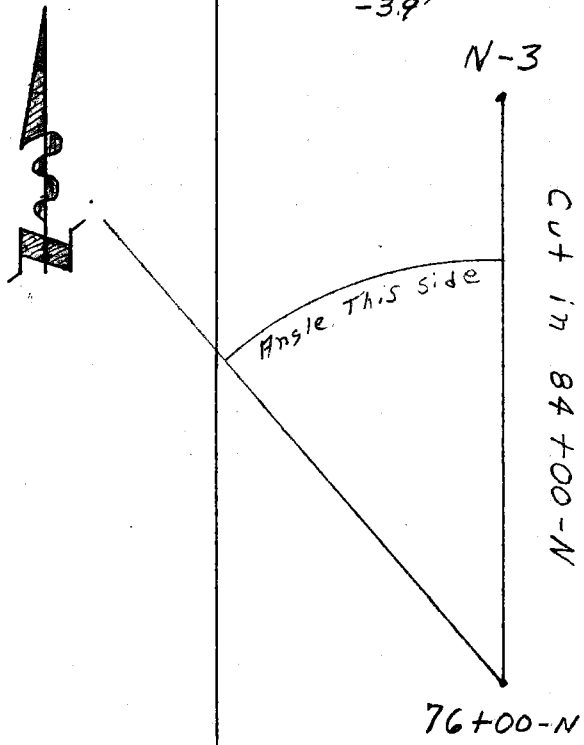
Do not extend notes this side of this line.

STATION	B. S.	H. I.		F. S.	ELEV.		
Inst. At / Sight On	#	Color		Time	Hor. Ang.		Remarks
	1	31.1 ✓	27.2	8:49	70° 06'	2240 ✓	
	2	29.8 ✓	25.9		68° 58'	2080 ✓	
	3	28.9 ✓	25.0		67° 53'	1968 ✓	
	4	27.8 ✓	23.9		66° 48'	1867 ✓	
	5	26.6 ✓	22.7		65° 45'	1776 ✓	
	6	26.0 ✓	22.1		64° 22'	1667 ✓	
	7	25.3 ✓	21.4		62° 48'	1557 ✓	
	8	24.6 ✓	20.7		61° 32'	1475 ✓	
	9	24.0 ✓	20.1		60° 29'	1413 ✓	
	10	23.2 ✓	19.3		57° 56'	1277 ✓	
	11	22.4 ✓	18.5		57° 23'	1250 ✓	
	12	21.4 ✓	17.5		55° 33'	1166 ✓	
	13	20.5 ✓	16.6		53° 58'	1100 ✓	
	14	19.7 ✓	15.8		52° 40'	1049 ✓	
	15	19.2 ✓	15.3		51° 36'	1009 ✓	
	16	18.6 ✓	14.7		50° 46'	980 ✓	
	17	17.8 ✓	13.9		49° 50'	948 ✓	
	18	16.9 ✓	13.0		48° 42'	911 ✓	
	19	15.7 ✓	11.8		47° 53'	885 ✓	
	20	14.7 ✓	10.8		46° 54'	855 ✓	

Zero Adj. -0.7 ?
Boat Adj. +1.0
Tide -4.2
-3.9



76+00-N
N-3

Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 10 F.B. 2302 Pg. 77
No. ____ Date ____ Date ____ Survey of Beach Erosion Study
X-Sec. Notes Chkd. ____ Checked ____ Survey by Van Deren Notes R.T. Date 8-15-55
No. ____ Date ____ Date ____ Map No. ____ Indexed G. Johnson Date ____

76L298 307 8-53

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. 2362 Pg. 78 | Job No. 03002 Division No. 10 Notes Red. Plotted
Survey of Beach Erosion Study Date 8-15-55 Date
Survey by Van Deren Notes N.T. Notes Chkd. Checked
Indexed K. C. Johnson Date Date Date

Profile No. X-Sec. No.

STATION		B. S.	H. I.		F. S.	ELEV.	
Inst #.	Sight on	~~#~~	Color	Time		Hor. Ang.	Remark
		21	13.5 ✓	9.6		76 15	835 ✓ Cut in 84+00-N
		22	11.2 ✓	7.3			
		23	10.2 ✓	6.3	8:54	~~41°~~ 05	775 ✓

76L298 307 8-53

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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.

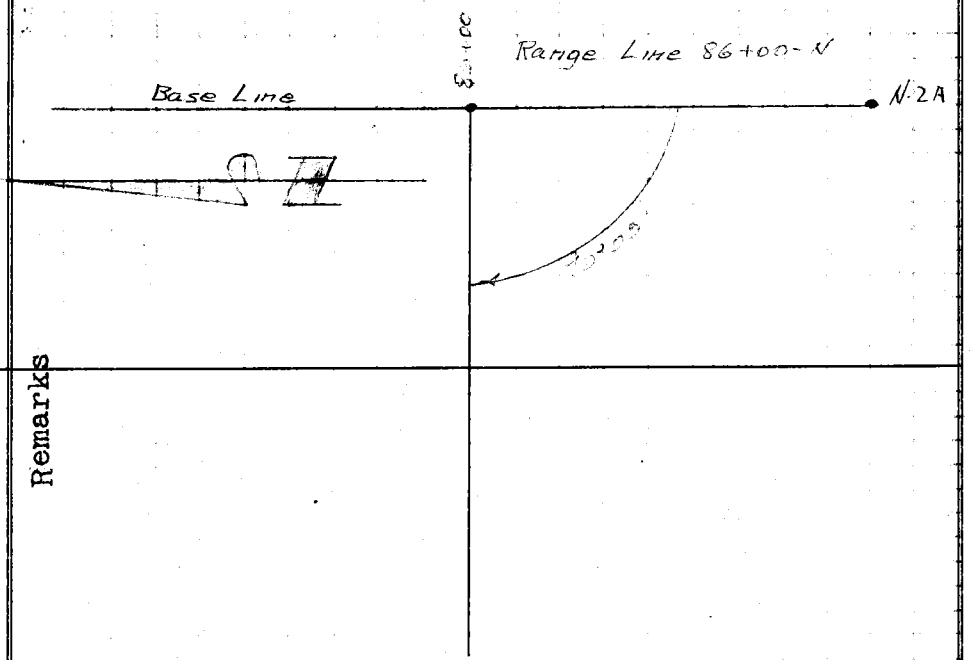
Do not extend notes this side of this line. Cut-in ∡

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at 82+00	Sight on 86+00
84+00 T.P. (LINE 2)	337	16 62		13 25		
T.P.	638	18 29	4 71	11 91		
86+00			+6 3	24 6	+11.8 -5.5 +6.3 DIRT ROAD	
17 FT. LEFT.			+6 5	24 8	12.0 5.5 6.5 TOP FILL	
29 " "			0 5	17 8	BOTTOM "	
100 " "			5 6	12 7		
125 " "			6 5	11 8	BRK	
182 " "			5 6	12 7	"	
200 " "			5 7	12 6		
237 " "			6 7	11 6	BRK	
300 " "			5 1	13 2		
400 " "			3 4	14 9	BRK	
430 " "			4 8	13 5	"	
500 " "			4 8	13 5		
574 " "			4 0	14 3		
600 " "			5 9	12 4		
T.P. 650 " "	0 1	7 4	11 00	7 29		
			6 0	1 4	58 59 665 ✓	
			10 9	-3 5	60 50 717 ✓	
			14 1	-6 7	62 08 757 ✓	
			17 2	-9 8	66 33 922 ✓	
			19 5	-12 1	64 30 839 ✓	

INSHORE
N. 86+00

Profile Notes Red. ____ Plotted ____ Job No. 030002 Division No. 10 F. B. 2302 Pg. 79
No. ____ Date ____ Date ____ Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. ____ Checked ____ Survey by DREIER ENGLISH Notes G.D.&E.E. Date 8-15-55
No. ____ Date ____ Date ____ Map No. ____ Indexed E. G. Johnson Date ____

Profile	Notes Red.	Plotted	Job No. 2300.02	Division No. 10	F. B. 2302	Pg. 81
No.	Date	Date	Survey of Beach Erosion			
X-Sec.	Notes Chkd.	Checked	Survey by [illegible]	Notes [illegible]	Date 8-15-55	
No.	Date	Date	Map No.	Indexed C. Johnson	Date	



STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At CH	#	Color	Time	Hor. Ang.	
	1		9:00	90°00'	
	2			90°00'	
	3			90°00'	
	4			90°00'	
	5			90°00'	
	6			90°00'	
	7			90°00'	
	8			90°00'	
	9			90°00'	
	10			90°00'	
	11			90°00'	
	12			90°00'	
	13			90°00'	
	14			90°00'	
	15			90°00'	
	16			90°00'	
	17			90°00'	
	18			90°00'	
	19			90°00'	
	20			90°00'	

N-2A

86+00-N

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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726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

76L298.307 8-53

F. B. 2302 PG. 82 Job No. 0390.02 Division No. 10 Notes Red. _____ Plotted _____ Profile

Survey of Beach Erosion Date _____ Date _____ No. _____

Survey by Van Deren Notes S.J.E. Notes Chkd. _____ Checked _____ X-Sec.

Indexed A. C. Johnson Date _____ Date _____ Date _____ No. _____

STATION	B. S.	H. I.	F. S.	ELEV.	
86+00-N					
N-2A					
	#				
	21				
	22				
			Time	Hor Ang.	
			91.05	90°00'	
				90°00'	
					Edge line
					85+00-N

76L298 307 8-53

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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76L298 307 8-53

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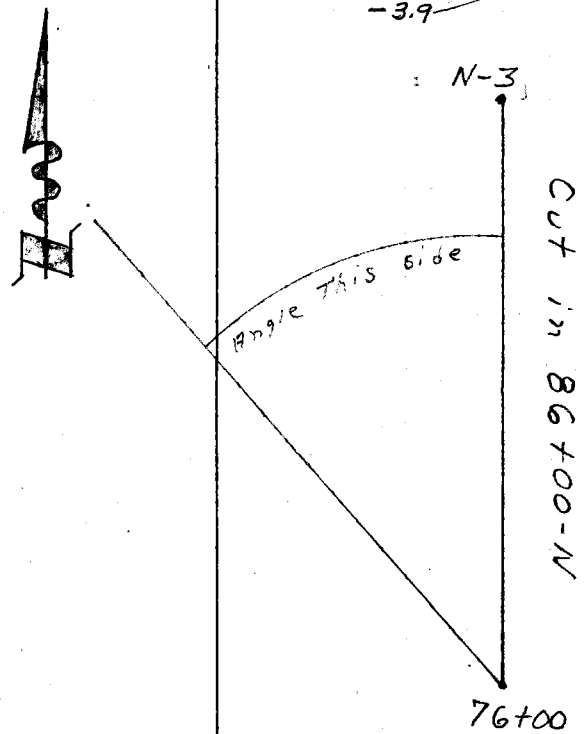
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At Ch	#	Color	Time	Hor. Ang.		Remarks
	1	30.9 ✓ 27.0	9:00	65° 20'	2178 ✓	
	2	29.8 ✓ 25.9		64° 18'	2078 ✓	
	3	28.7 ✓ 24.8		62° 57'	1958 ✓	
	4	27.4 ✓ 23.5		61° 17'	1825 ✓	
	5	26.2 ✓ 22.3		59° 40'	1709 ✓	
	6	25.3 ✓ 21.4		58° 09'	1610 ✓	
	7	24.4 ✓ 20.5		56° 15'	1497 ✓	
	8	23.7 ✓ 19.8		54° 03'	1379 ✓	
	9	22.3 ✓ 18.4		51° 55'	1276 ✓	
	10	21.4 ✓ 17.5		50° 00'	1192 ✓	
	11	20.6 ✓ 16.7		48° 54'	1146 ✓	
	12	20.5 ✓ 16.6		47° 58'	1109 ✓	
	13	19.6 ✓ 15.7		47° 00'	1072 ✓	
	14	19.4 ✓ 15.5		46° 18'	1046 ✓	
	15	18.9 ✓ 15.0		45° 36'	1021 ✓	
	16	18.2 ✓ 14.3		44° 45'	991 ✓	
	17	17.6 ✓ 13.7		43° 48'	959 ✓	
	18	17.1 ✓ 13.2		42° 46'	925 ✓	
	19	15.7 ✓ 11.8		41° 58'	899 ✓	
	20	14.0 ✓ 10.1		40° 46'	862 ✓	

Zero Adj. -0.7 ?
Boat Adj. +1.0
Tide -4.2
-3.9



76+00-N
N-3

Profile
No. ____ Notes Red. ____ Plotted ____ Job No. 2300.02 Division No. 10 F. B. 2302 Pg. 83
X-Sec. Date ____ Date ____ Survey of Beach Erosion Study
No. ____ Notes Chkd. ____ Checked ____ Survey by Van Deren Notes RT Date 8-15-55
Date ____ Date ____ Map No. ____ Indexed S. Johnson Date ____

F. B. 2302 PG. 84 Job No. 0300.02 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Study Date 8-15-55 Date No.

Survey by Van Deren Notes R.T. Notes Chkd. Checked X-Sec.

Indexed A. C. Johnson Date Date Date No.

76+00-N

N-3

STATION	B. S.	H. I.	F. S.	ELEV.	
	#	Color	Time	Hor. Ang.	
	21	12.4 ✓ 8.5		39° 28	
	22	11.1 ✓ 7.2	9.00	38° 28	
					823 ✓ Cut in 86+00-N
					794 ✓

76L298 307 8-53

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

76L298 307 8-53

11.00 ? 29

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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. Cut-in ✗

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at 94+00	Sight on 88+00
84+00						
T.P. (LINE #2)	3 37	16 62		13 25		
T.P.	6 38	18 29	4 71	11 91		
88+00			+67	250	+12.2 -3.5 +6.7	DIRT ROAD
16 FT. LEFT			+65	248	+12.0 -5.5 +6.5	TOP FILL
30 " "			01	182		BOT. "
100 " "			55	128		
200 " "			40	1431		
300 " "			48	135		
400 " "			50	133		
500 " "			47	136		
575 " "			42	141		BRK
600 " "			68	115		
621			76	107		BRK
660			122	61		NEAR WATER
	01	74	1100	729		
			66	08	49° 27'	701 ✓
			118	-94	51 51	764 ✓
			155	-81	53 35	813 ✓
			174	-100	54 41	847 ✓
			200	-126	55 51	885 ✓

INSHORE
N. 88+00

Profile Notes Red. Plotted Job No. 300.02 Division No. 10 F. B. 2302 Pg. 85
No. Date Date Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. Checked Survey by DREIER ENGLISH Notes GOREE Date 8-15-55
No. Date Date Map No. Indexed Johnson Date

76L298 307 8-53

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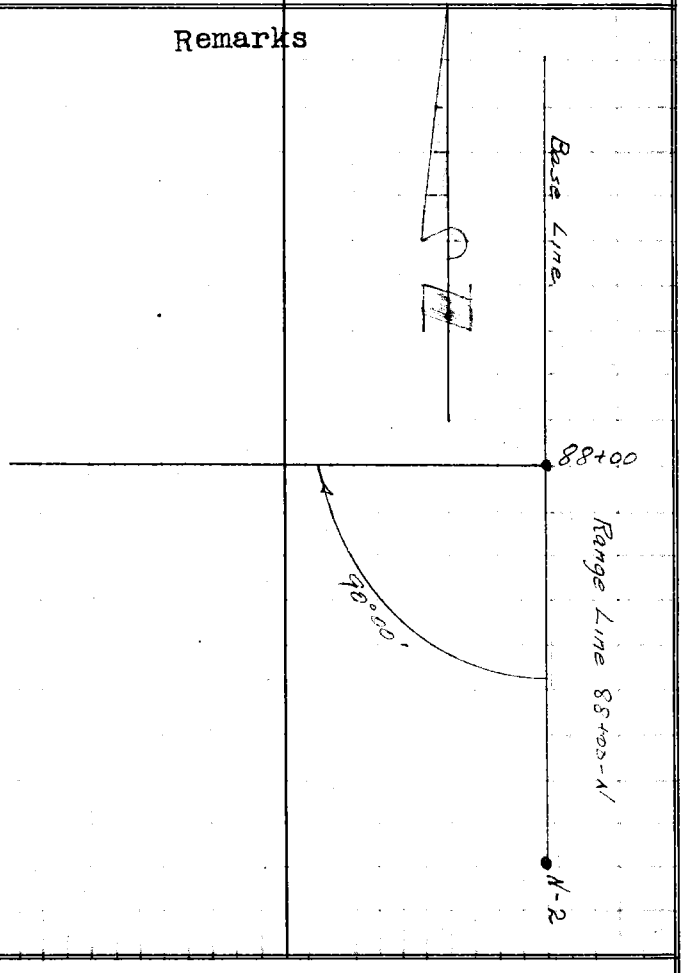
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Profile Notes Red. ____ Plotted ____ Job No. 3202 Division No. 10 F. B. 2302 Pg. 87
No. ____ Date ____ Date ____ Survey of Beach Erosion Notes V.E. Date 8-15-55
X-Sec. Notes Chkd. ____ Checked ____ Survey by Van Doren
No. ____ Date ____ Date ____ Map No. ____ Chkd. Johnson Date ____

STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. At	Sight Ch	#	Color	Time	Hor. Ang.
		1		9:16	90° 00'
		2			90° 00'
		3			90° 00'
		4			90° 00'
		5			90° 00'
		6			90° 00'
		7			90° 00'
		8			90° 00'
		9			90° 00'
	N-2	10			90° 00'
		11			90° 00'
		12			90° 00'
		13			90° 00'
		14			90° 00'
		15			90° 00'
		16			90° 00'
		17			90° 00'
		18			90° 00'
		19		9:20	90° 00'



761298 307 8-53

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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.

F. B. 2302 Pg. 88 Job No. 2300.01 Division No. 12 Notes Red. Date Plotted Date No. Profile
Survey of Beach Erosion Notes Chkd. Date Checked Date No. X-Sec.
Survey by Van Dorn Notes N.A.E.
Indexed A. C. Johnson Date

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks
88400-N	N-2					Range Line 88400-N

76L298 307 8-53

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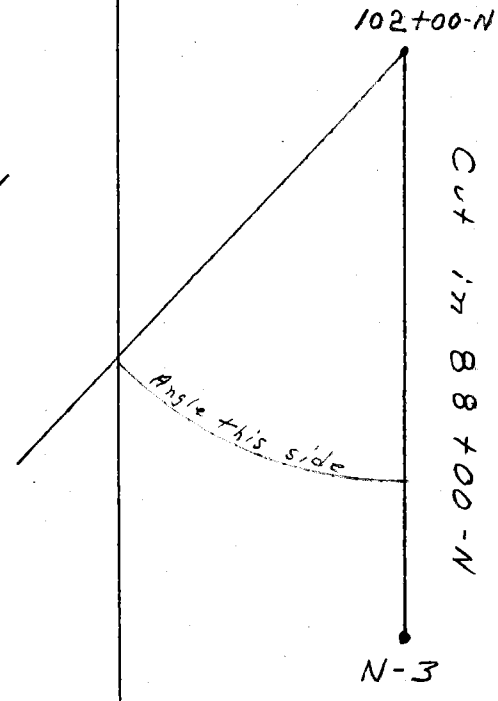
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.		
Inst. At	Sight On	#	Color		Time	Hor. Ang.		Remarks
		1	32.2	28.5	9:16	58° 43'	2304 ✓	
		2	31.0	27.3		57° 23'	2188 ✓	
		3	29.7	26.0		55° 28'	2034 ✓	
		4	28.2	24.5		53° 28'	1890 ✓	
		5	26.9	23.2		50° 56'	1725 ✓	
		6	25.7	22.0		48° 18'	1571 ✓	
		7	24.5	20.8		46° 40'	1484 ✓	
		8	24.4	20.7		44° 42'	1385 ✓	
		9	22.7	19.0		42° 20'	1275 ✓	
		10	21.8	18.1		40° 24'	1191 ✓	
		11	21.0	17.3		38° 43'	1122 ✓	
		12	20.6	16.9		37° 22'	1069 ✓	
		13	19.5	15.8		36° 11'	1024 ✓	
		14	18.1	14.4		34° 47'	972 ✓	
		15	16.8	13.1		33° 35'	930 ✓	
		16	15.4	11.7		32° 31'	892 ✓	
		17	14.1	10.4		31° 27'	856 ✓	
		18	11.5	7.8		30° 17'	818 ✓	
		19	9.6	5.9	9:20	28° 53'	772 ✓	

Zero Adj. -0.7 ?
Boat Adj. +1.0 ✓
Tide -4.0 ✓ -3.9
-3.7 ✓



102+00-N

N-3

Profile Notes Red. ____ Plotted ____ Job No. 03000 Division No. 10 F.B. 2302 Pg. 89
No. ____ Date ____ Date ____ Survey of Beach Erosion Study
X-Sec. Notes Chkd. ____ Checked ____ Survey by Van Dereb Notes R.T. Date 8-15-55
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

76L298 S & E #307 9-54

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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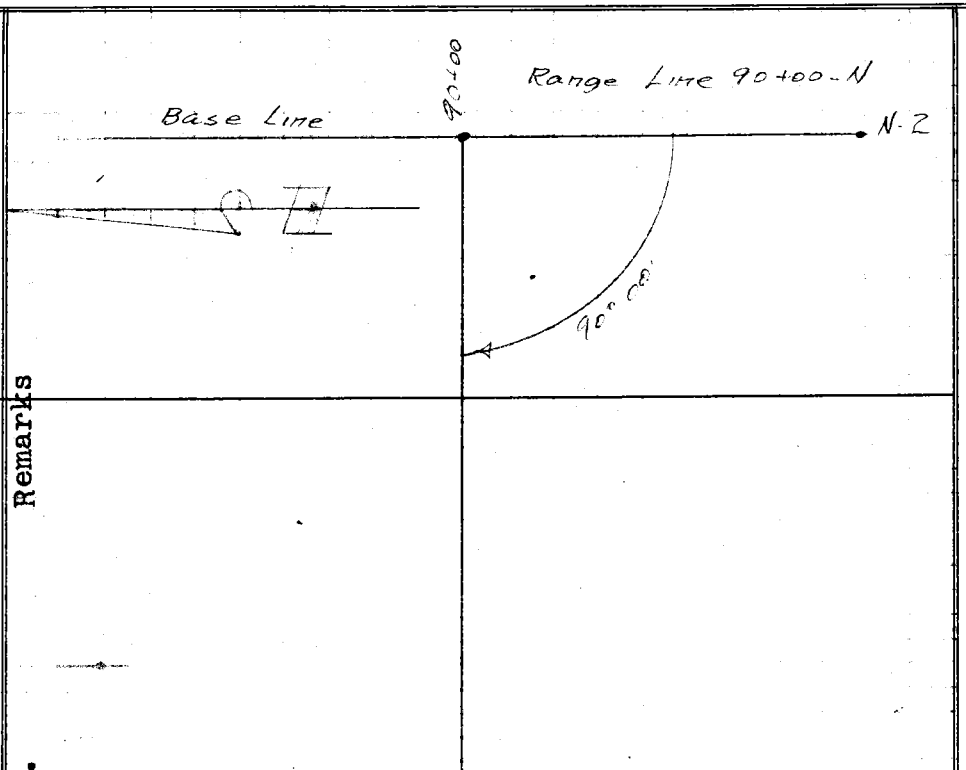
Do not extend notes this side of this line. Cut-in A

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at 94+00	Sight on 90+00
88+00				11 91	figures +	
T.P. (LINE #2)	6 38	~~19 29~~		~~13 25~~	checks in blue - OK	
T.P.	6 45	~~20 38~~	4 36	~~13 73~~		
90+00			+45	~~24 1~~	10.0 5.5 45	ON DIRT ROAD
12 FT LEFT			+44	~~24 8~~	9.9 5.5 4.4	TOP FILL
20 " "			15	~~18 9~~		BOTTOM FILL
92 " "			60	~~14 4~~		BRK
100 " "			60	~~14 4~~		
200 " "			60	~~14 4~~		
300 " "			56	~~14 8~~		
400 " "			72	~~13 2~~		
500 " "			68	~~13 6~~		
565 " "			60	~~14 4~~		BRK
591 " "			85	~~11 9~~		
600 " "			100	~~10 4~~		
		~~7 1~~	14 65	~~7 73~~		
			4 8	~~2 3~~	59° 30' 679 ✓	
			9 4	~~9 3~~	61 15 729 ✓	
			13 4	~~6 3~~	63 04 787 ✓	
			16 0	~~8 9~~	64 01 821 ✓	
			19 0	~~11 9~~	64 39 844 ✓	

INSHORE
N. 90+00

Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 10 F. B. 2302 PG. 91
No. ____ Date ____ Date ____ Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. ____ Checked ____ Survey by DREIER ENGLISH Notes GD FEE Date 8-15-55
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

Profile	Notes Red.	Plotted	Job No. 0300.02	Division No. 10	F. B. 2301	Pg. 93
No.	Date	Date	Survey of Beach Erosion			
X-Sec.	Notes Chkd.	Checked	Survey by Van Deren	Notes [illegible]	Date 8-15-55	
No.	Date	Date	Map No.	Indexed C. Johnson	Date	



STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At CH	#	Color	Time	Hor. Ang.	
	1		9:29	90° 00'	
	2			90° 00'	
	3			90° 00'	
	4			90° 00'	
	5			90° 00'	
	6			90° 00'	
	7			90° 00'	
	8			90° 00'	
	9			90° 00'	
	10			90° 00'	
	11			90° 00'	
	12			90° 00'	
	13			90° 00'	
	14			90° 00'	
	15			90° 00'	
	16		9:33	90° 00'	

N-2

90+00-N

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76L298.307 8-53

F.B. 2301 Pg. 94 | Job No. 8300-02 Division No. 10 | Notes Red. | Plotted | Profile

Survey of Beach Erosion | Date | Date | No.

Survey by Van Deren | Notes L. N. E. | Notes Chkd. | Checked | X-Sec.

Indexed A. C. Johnson | Date | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.	Hor. Ang.	Remarks
90+00-N						
N-2						
At Station	#	Color	Time			Range Line
						90+00-N

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76L298 307 8-53

76L298 307 8-53

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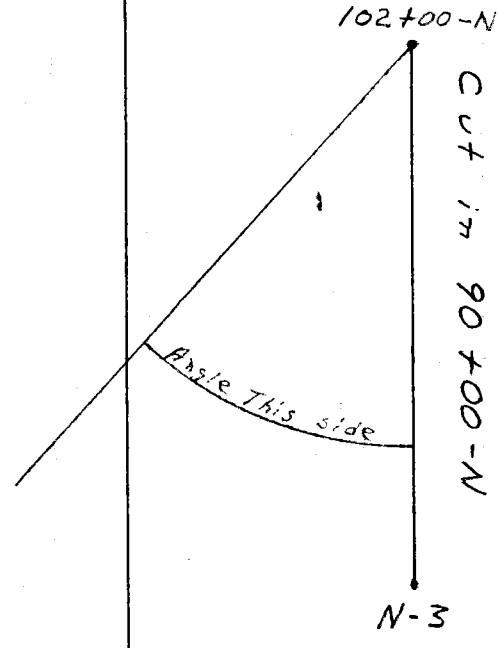
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.		
Inst AT	Sight on	#	Color		Time	Hor. Ang		Remark
102+00-N	N-3	1	28.7	25.2	9:29	58° 20'	1945 ✓	Zero Adj. -0.7?
		2	27.7	24.2		56° 50'	1836 ✓	Boat Adj. +1.0
		3	26.7	23.2		55° 00'	1714 ✓	Tide -3.8
		4	25.5	22.0		53° 04'	1596 ✓	-3.5
		5	24.3	20.8		51° 04'	1485 ✓	
		6	23.5	20.0		48° 52'	1374 ✓	
		7	22.1	18.6		46° 18'	1256 ✓	
		8	21.2	17.7		43° 39'	1145 ✓	
		9	20.4	16.9		41° 58'	1079 ✓	
		10	19.6	16.1		40° 42'	1032 ✓	
		11	18.5	15.0		39° 33'	991 ✓	
		12	17.2	13.7		37° 45'	929 ✓	
		13	15.7	12.2		36° 25'	885 ✓	
		14	13.9	10.4		35° 00'	840 ✓	
		15	12.5	9.0		34° 14'	817 ✓	
		16	10.0	6.5	9:33	33° 16'	787 ✓	



Profile Notes Red. Plotted Job No. 2300.02 Division No. 10 F. B. 2302 Pg. 95
No. Date Date Survey of Beach Erosion Study
X-Sec. Notes Chkd. Checked Survey by Vanderen Notes P.T. Date 8-15-55
No. Date Date Map No. Indexed Johnson Date

Field Bk. 2302 Pg. 96 | Job No. 2300.02 Division No. 10 | Notes Red. | Plotted | Profile

Survey of Beach Erosion study | Date 8-15-55 | Date | No.

Survey by Van Deren | Notes R.T. | Notes Chkd. | Checked | X-Sec.

Indexed | Date | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. sight					
on #					
Color					
Time					
Hor. Ang.					

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 8-53

76L298 S & E #307 9-54

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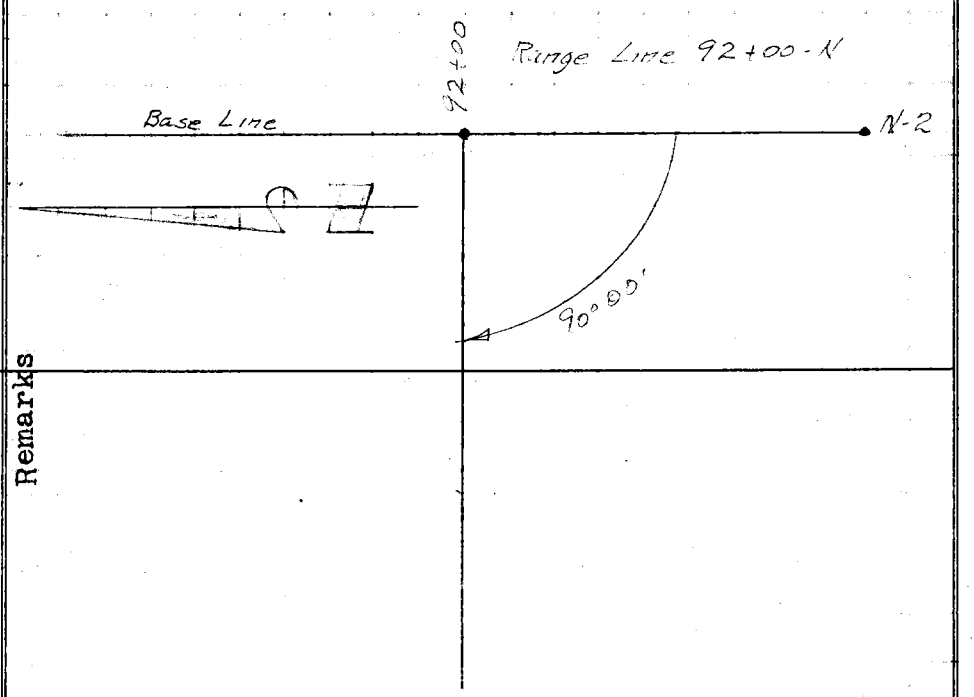
Do not extend notes this side of this line. Cut-in ∡

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at 96+00	Sight on 92+00
88+00				11 91		
T.P. (LINE #2)	6 38	~~18 29~~		~~13 25~~		
T.P.	6 45	~~20 38~~	4 36	~~13 93~~		
92+00			+42	~~24 5~~	+9.7 -5.5 +4.2	DIRT ROAD
11 FT LEFT			+42	~~24 5~~	+9.7 -5.5 +4.2	TOP FILL
21 " "			24	~~18 0~~		BOTTOM FILL
100 " "			63	~~14 1~~		BRK
200 " "			55	~~14 9~~		
300 " "			64	~~14 0~~		
400 " "			54	~~18 0~~		
500 " "			59	~~14 5~~		
565 " "			60	~~14 4~~		BRK
600 " "			11 1	~~9 3~~		
621 " "			13 0	~~7 4~~		BRK
643 " "			150	~~5 4~~		NEAR WATER EDGE
T. R	1 4	~~8 5~~	1465	~~5 73~~		
			4 7	~~2 4~~	53 17	536 ✓ ?
			10 9	~~3 8~~	60 24	704 ✓
			13 3	~~6 2~~	61 29	736 ✓
			15 7	~~8 6~~	61 57	751 ✓
			18 0	~~10 9~~	62 52	781 ✓

INSHORE
N. 92+00

Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 10 F. B. 2302 Pg. 97
No. ____ Date ____ Date ____ Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. ____ Checked ____ Survey by DREIER ENGLISH Notes G.D. & E.E. Date 8-15-55
No. ____ Date ____ Date ____ Map No. ____ Date ____

Profile	Notes Red.	Plotted	Job No. 0300.02	Division No. 10	F. B. 2301	Pg. 99
No.	Date	Date	Survey of Beach Erosion			
X-Sec.	Notes Chkd.	Checked	Survey by Van Deren	Notes J.J.E.	Date 8-15-55	
No.	Date	Date	Map No.	Indexed E. C. Johnson	Date	



STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At CH	#	Color	Time	Hor. Ang.	
	1		9:41	90°00'	
	2			90°00'	
	3			90°00'	
	4			90°00'	
	5			90°00'	
	6			90°00'	
	7			90°00'	
	8			90°00'	
	9			90°00'	
	10			90°00'	
	11			90°00'	
	12			90°00'	
	13			90°00'	
	14			90°00'	
	15			90°00'	
	16		9:49	90°00'	

N-2

92+00-N

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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76L298 307 8-53

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F.B. 2302 Pg. 100 Job No. 230001 Division No. 10 Notes Red. Date Plotted Date No.
Survey of Beach Erosion Notes Chkd. Date Checked Date No.
Survey by Van Dekin Notes V.N.E. Date
Indexed K. C. Johnson

Profile X-Sec.

STATION	B. S.	H. I.	F. S.	ELEV.	
Inst. At / Sight On	#	Color	Time	Hor. Ang.	Remarks
92+00-N / N-2					Range Line 92+00-N

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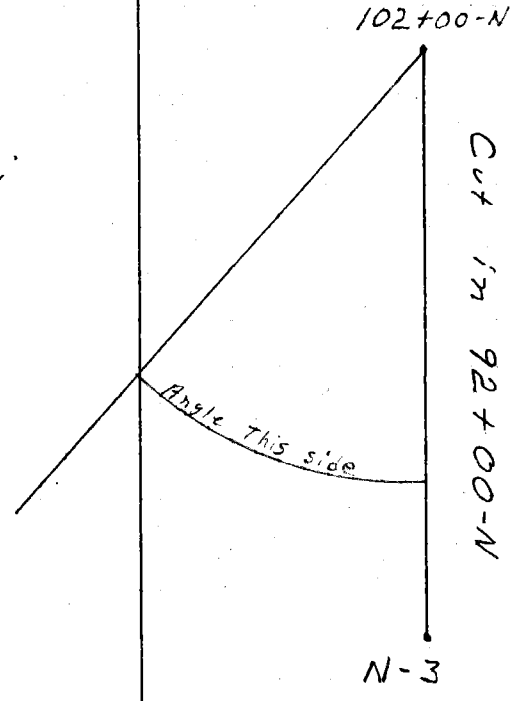
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

STATION	B. S.	H. I.		F. S.	ELEV.		
Inst. At / Sight On	#	Color		Time	Hor. Ang.		Remarks
	1	29.3	25.8	9:40	63° 17'	1987 ✓	Zero Adj. -0.8?
	2	27.5	24.0		60° 37'	1776 ✓	Boat Adj. +1.0
	3	25.8	22.3		58° 55'	1659 ✓	Tide -3.7
	4	24.9	21.4		56° 37'	1518 ✓	-3.5
	5	23.2	19.7		53° 49'	1367 ✓	
	6	22.2	18.7		50° 55'	1231 ✓	
	7	20.8	17.3		48° 06'	1115 ✓	
	8	19.7	16.2		45° 40'	1024 ✓	
	9	19.1	15.6		44° 37'	987 ✓	
	10	18.3	14.8		43° 36'	952 ✓	
	11	17.3	13.8		42° 32'	917 ✓	
	12	16.4	12.9		41° 17'	878 ✓	
	13	14.7	11.2		40° 12'	845 ✓	
	14	12.5	9.0		38° 41'	801 ✓	
	15	10.6	7.1		37° 51'	777 ✓	
	16	9.1	5.6	9:44	36° 56'	752 ✓	

102+00-N

N-3



Profile Notes Red. ____ Plotted ____ Job No. 2300.02 Division No. 10 F. B. 2302 Pg. 101
No. ____ Date ____ Date ____ Survey of Beach Erosion Study
X-Sec. Notes Chkd. ____ Checked ____ Survey by Van Doren Notes Pit. Date 8-15-53
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

F.B. 2302 PG. 102

Job No. 8300.02 Division No. 10 Notes Red. _____ Plotted _____ Profile

Survey of Beach Erosion Study Date 8-15-55 Date _____ No. _____

Survey by Van Doren Notes R.T. Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

STATION	B.S.	H.I.	F.S.	ELEV.	Hor. Ang.	Remarks
Inst. Sight On	#	Color	Time			

76L298 307 8-53

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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 Beach Erosion
Map No.	W. O. Tape No. St'd. °F
Office Work	Surveyed by Van Deren
Checked	Notes J.N.E. Date 8-16-55
Date	Indexed C. Johnson

F. B. 2302 Pg. 102A

August 16, 1955

Time	Tide
5:00	1.4
5:30	2.0
6:00	2.8
6:30	3.5
7:00	3.9
7:30	4.4
8:00	4.6
8:30	4.7
9:00	4.5
9:30	4.4
10:00	4.3
10:30	4.3

Standard Time

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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ENGINEERING BLDG.

76F9098 247 4-53

F. B. 2392 Pg. 104 Job No. 030002 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Date Date No.

Survey by EE&GD Notes EE&GD Notes Chkd. Checked X-Sec.

Indexed A. C. Johnson Date Date Date No.

76L298 S & E #307 9-54

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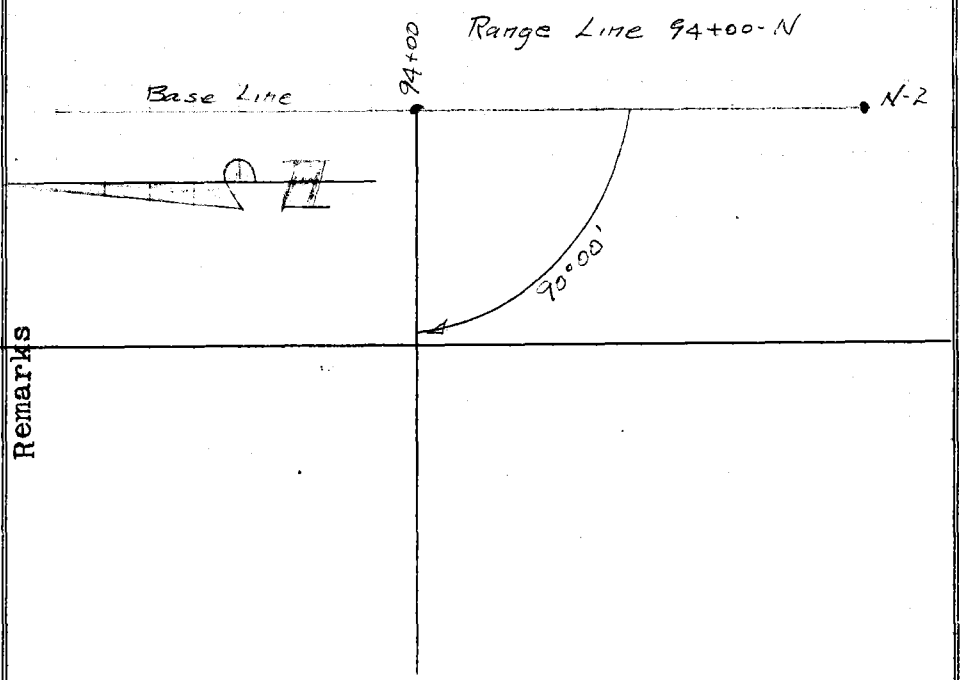
STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at 90+00	Sight on 90+00
T.P.	3.1	1.3	6.8	2.5	158° 54'	663
			11.2	-1.9	66 21	703
			18.6	-9.3	63 41	809

Profile	Notes Red.	Plotted	Job No. 0300.02	Division No. 10	F. B. 2302	Pg. 105
No.	Date	Date	Survey of Beach Erosion			
X-Sec.	Notes Chkd.	Checked	Survey by Van Deren	Notes J.J.E.	Date 8-16-55	
No.	Date	Date	Map No.	Indexed C. Johnson	Date	



STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At CH	#	Color	Time	Hor. Ang.	
	1		6:21	90°00'	
	2			90°00'	
	3			90°00'	
	4			90°00'	
	5			90°00'	
	6			90°00'	
	7			90°00'	
	8			90°00'	
	9			90°00'	
	10			90°00'	
	11			90°00'	
	12			90°00'	
	13			90°00'	
	14			90°00'	
	15			90°00'	
	16			90°00'	
	17			90°00'	
	18			90°00'	
	19			90°00'	
				6:25	

N-2

94+00-N

PLEASE RETURN TO
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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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761298 307 8-53

76L298 307 8-53

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726 Los Angeles County Engineering Bldg.

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F.B. 2302 Pg. 106 Job No 23000 Division No. 10 Notes Red. Date Plotted
Survey of Beach Erosion Date No.
Survey by Vanderet Notes J.J.C. Notes Chkd. Checked X-Sec.
Indexed K C Johnson Date Date Date No.
Profile

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. At / Sight On	#	Color	Time	Hor. Ang.	Remarks	
94+00-N / N-2					Range Line 94+00-N	

76L298 307 8-53

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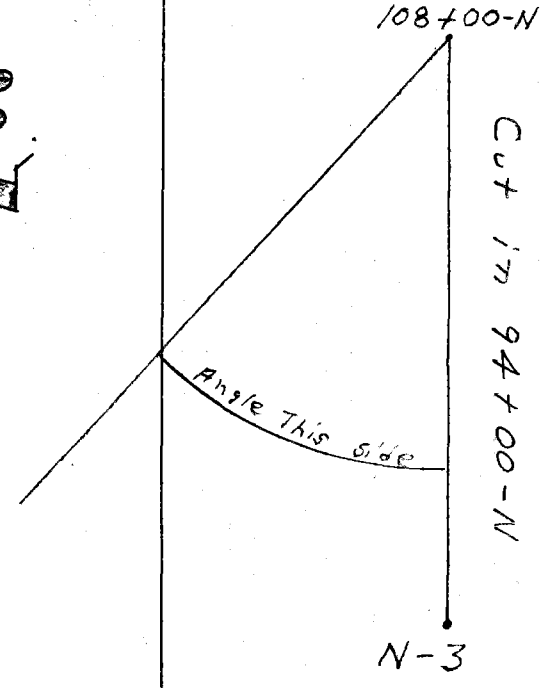
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.	
Inst. Sight At On	#	Color	Time	Hor. Ang.	
	1	28.4 ✓ 25.5	6:21	55° 20'	2024 ✓
	2	27.2 ✓ 24.3		53° 45'	1909 ✓
	3	26.7 ✓ 23.8		52° 16'	1809 ✓
	4	25.7 ✓ 22.8		50° 36'	1704 ✓
	5	24.7 ✓ 21.8		49° 05'	1615 ✓
	6	24.3 ✓ 21.4		47° 30'	1528 ✓
	7	23.2 ✓ 20.3		45° 37'	1431 ✓
	8	22.3 ✓ 19.4		43° 42'	1338 ✓
	9	21.4 ✓ 18.5		41° 27'	1236 ✓
	10	20.5 ✓ 17.6		39° 52'	1169 ✓
	11	19.3 ✓ 16.4		37° 55'	1091 ✓
	12	18.7 ✓ 15.8		35° 55'	1014 ✓
	13	18.3 ✓ 15.4		35° 04'	983 ✓
	14	17.5 ✓ 14.6		34° 10'	950 ✓
	15	16.9 ✓ 14.0		33° 13'	917 ✓
	16	15.9 ✓ 13.0		32° 25'	889 ✓
	17	14.8 ✓ 11.9		31° 27'	856 ✓
	18	13.1 ✓ 10.2		30° 32'	826 ✓
	19	11.6 ✓ 8.7	6:25	29° 38'	? 796 ✓

Remarks Zero Adj. -0.6 ?
Boat Adj. +1.0
Tide -3.3
-2.9



N-3

108+00-N

Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 10 F.B. 2307 Pg. 107
No. ____ Date ____ Date ____ Survey of Beach Erosion Study
X-Sec. Notes Chkd. ____ Checked ____ Survey by Van Dorn Notes PT Date 8-16-55
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

F.B. 2302 Pg. 108 Job No. 6300.02 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Study Date 8-16-55 Date No.

Survey by Van Deren Notes R.T. Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

76L298 307 8-53

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STATION	B.S.	H.I.	F.S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.		
B.M. 27-9A	4 02	62 80		5878	B.M. 27-9A, U.S. 3795 ELEV. 55.980 2800	F.B. 1393-13
T.P.	0 44	50 23	1301	4979		
T.P.	0 24	32 58	1789	3234		
96+00			83	243	DIRT ROAD	
13 FT LEFT			85	241	TOP FILL	
27 " "			161	165	BOTTOM FILL	
T.P.	5 48	20 13	1793	1465		
100 FT. LEFT			73	128		
150 " "			51	150		
200 " "			51	150		
222 " "			55	146	BRK	
268 " "			76	125	"	
300 " "			70	131		
400 " "			58	143		
500 " "			62	139		
550 " "			60	141	BRK	
564 " "			75	126		
600 " "			93	108		
627 " "			121	80	NEAR WATER	
T.P.			1393	620		

INSHORE
N. 96+00

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 10 F.B. 2302 Pg. 109
X-Sec. No. ____ Date ____ Date ____ Survey of BEACH EROSION STUDIES
Notes Chkd. ____ Checked ____ Survey by DREIER ENGLISH Notes G.D.&E.E. Date 8-16-55
Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

76L298 S & E #307 9-54

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Do not extend notes this side of this line. Cut-in X

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at 90+00	Sight on 90+00
T.P.	3 1	[illegible]		6 [illegible]		
			[illegible]	[illegible]	[illegible] 58	666 ✓
			12 7	-3 4	50 27	727 ✓
			13 [illegible]	-[illegible]	53 01	797 ✓
			20 [illegible]	-11 [illegible]	53 28	810 ✓

F. B. 2[illegible] Pg. 110 Job No. 030[illegible] Division No. 10 Noted [illegible] Plotted Date Date No. Profile

Survey of Beach Erosion Date Date No. X-Sec.

Survey by LFGD Notes FEGD Notes Chkd. Checked

Indexed C. Johnson Date Date Date No.

Profile No. ____ X-Sec. No. ____

Notes Red. ____ Date ____ Plotted ____ Date ____ Notes Chkd. ____ Date ____ Checked ____ Date ____

Job No. 930002 Division No. 10 Survey of Beach Erosion Survey by Van Dorn Notes V.L.C. Date 8-16-55 Map No. ____ Indexed J. C. Johnson Date ____

F. B. 2302 Pg. 111

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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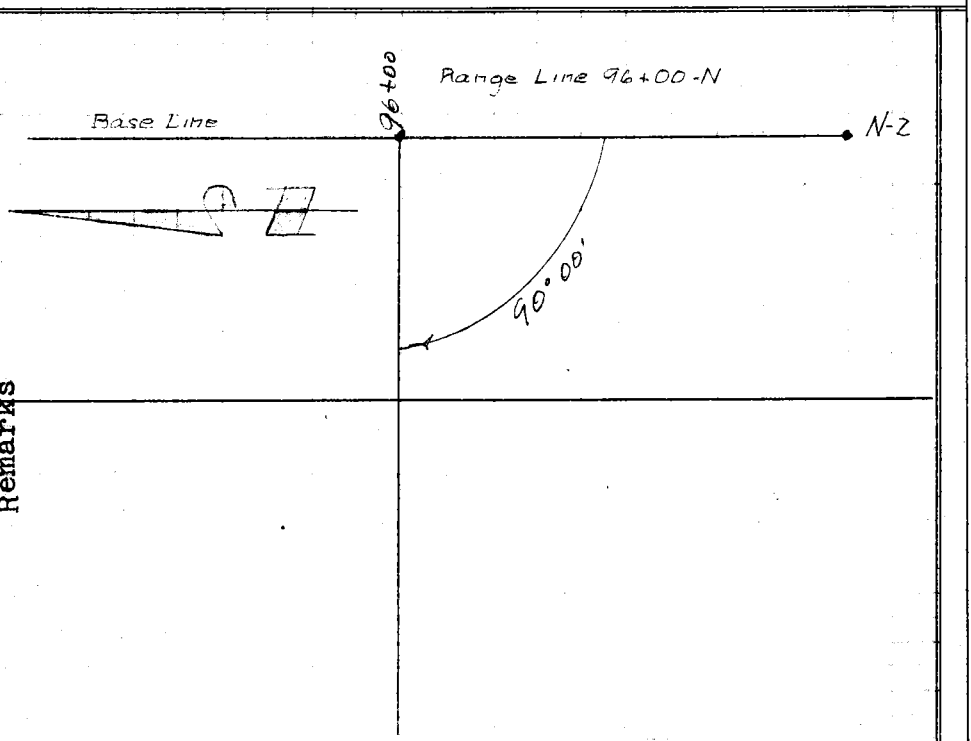

STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight On	#	Color	Time	Hor. Ang.	
N-2	1		6:35	90° 00'	
96+00-N	2			90° 00'	
	3			90° 00'	
	4			90° 00'	
	5			90° 00'	
	6			90° 00'	
	7			90° 00'	
	8			90° 00'	
	9			90° 00'	
	10			90° 00'	
	11			90° 00'	
	12			90° 00'	
	13			90° 00'	
	14			90° 00'	
	15			90° 00'	
	16			90° 00'	
	17			90° 00'	
	18			90° 00'	
	19			90° 00'	
	20			90° 00'	

761298 307 8-53

F.B. 2302 Pg. 112 Job No. 030002 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Date Date No.

Survey by Van Deren Notes J.J.E. Notes Chkd. Checked X-Sec.

Indexed A. C. Johnson Date Date Date No.

76L298 307 8-53

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Remarks
Inst. Sight At On	#	Color	Time	Hor. Ang.	
96+00-N	21		6:40	90° 00'	
N-Z	22			90° 00'	
					Range Line 96+00-N

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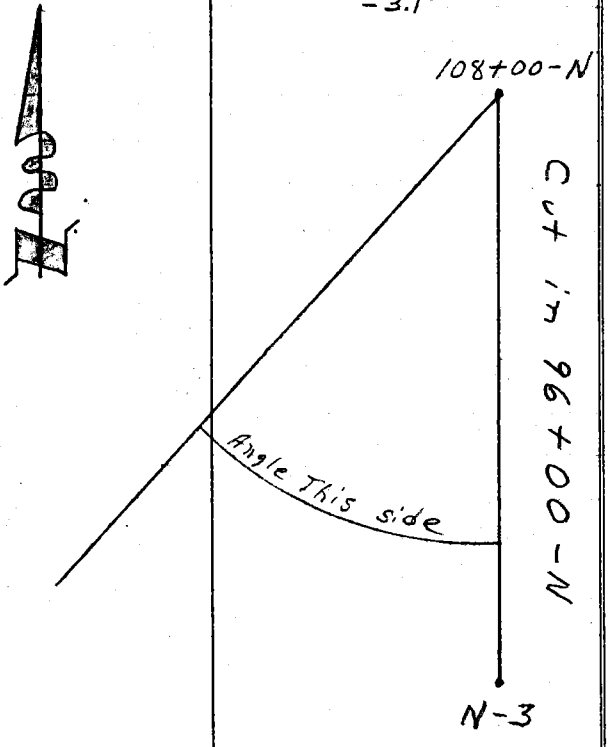
Do not extend notes this side of this line.

STATION		B. S.	H. I.		F. S.	ELEV.		
Inst. At	Sight On	#	Color		Time	Hor. Ang.		Remarks
		1	31.2 ✓	28.1	6:35	62° 14'	2279 ✓	Zero Adj. -0.5
		2	30.0 ✓	26.9		60° 38'	2133 ✓	Boat Adj. +1.0
		3	28.7 ✓	25.6		58° 56'	1992 ✓	Tide -3.6
		4	27.3 ✓	24.2		57° 19'	1870 ✓	-3.1
		5	26.3 ✓	23.2		55° 37'	1754 ✓	
		6	24.8 ✓	21.7		53° 00'	1592 ✓	
		7	23.7 ✓	20.6		50° 24'	1451 ✓	
108+00-N	N-3	8	22.7 ✓	19.6		48° 42'	1366 ✓	
		9	21.5 ✓	18.4		46° 40'	1272 ✓	
		10	20.5 ✓	17.4		44° 43'	1188 ✓	
		11	20.0 ✓	16.9		42° 44'	1109 ✓	
		12	18.8 ✓	15.7		41° 28'	1060 ✓	
		13	18.6 ✓	15.5		40° 47'	1035 ✓	
		14	18.3 ✓	15.2		39° 52'	1002 ✓	
		15	17.5 ✓	14.4		39° 09'	977 ✓	
		16	17.2 ✓	14.1		38° 29'	954 ✓	
		17	16.6 ✓	13.5		37° 46'	930 ✓	
		18	16.0 ✓	12.9		37° 05'	907 ✓	
		19	15.4 ✓	12.3		36° 16'	880 ✓	
		20	13.7 ✓	10.6		35° 16'	849 ✓	



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 10 F. B. 2302 Pg. 113
No. ____ Date ____ Date ____ Survey of Beach Erosion Study
X-Sec. Notes Chkd. ____ Checked ____ Survey by VanDeren Notes R.T. Date 8-16-55
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

F.B. 2302 Pg. 114 Job No. 0300.02 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Study Date 8-16-55 Date No.

Survey by Van Deren Notes R.T. Notes Chkd. Checked X-Sec.

Indexed A. C. Johnson Date Date Date No.

76L298 307 8-53

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
108+00						
N-3						
	21	13.1 ✓ 10.0		34 27	823 ✓	Cut in 96+00 N
	22	12.0 ✓ 8.9		33 55	807 ✓	

76L298 S & E #307 9-54

PLEASE RETURN TO
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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Profile Notes Red. Plotted Job No. 0300.02 Division No. 10 F.B. 2302 Pg. 115
No. Date Date Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. Checked Survey by DRESSER & HEIGLSEN Notes G. DUFFE Date 8-16-55
No. Date Date Map No. Traced J. Johnson Date

STATION	B. S.	H. I.	F. S.	ELEV.			
96+00					1+ of 94+00	Sig -	
T.P. (LINE "7")	5 48	20 13		14 65			
T. P.	4 85	17 20	7 78	12 35			
98+00			+ 7 3	24 5	+12.0 -4.7 +7.3	DIRT ROAD	
13 FT. LEFT.			+ 7 1	24 3	12.0 4.9	TOP FILL	
27 " "			0 6	16 6		BOTTOM "	
87 " "			3 8	13 4		BRK.	
100 " "			4 0	13 2			
165 " "			1 7	15 5		BRK	
200 " "			2 2	15 0			
280 " "			5 6	11 6		BRK	
300 " "			5 5	11 7			
400 " "			4 9	12 3			
500 " "			3 7	13 5			
547 " "			3 0	14 2			
600 " "			6 9	10 3			
619 " "	-0 5	8 0	8 70	8 5.0			
			5 5	2 5	59 12	671 ✓	
			12 7	-4 7	61 16	730 ✓	
			16 7	-8 7	63 20	802 ✓	
			20 0	-12 0	64 49	851 ✓	

INSHORE
N. 98+00

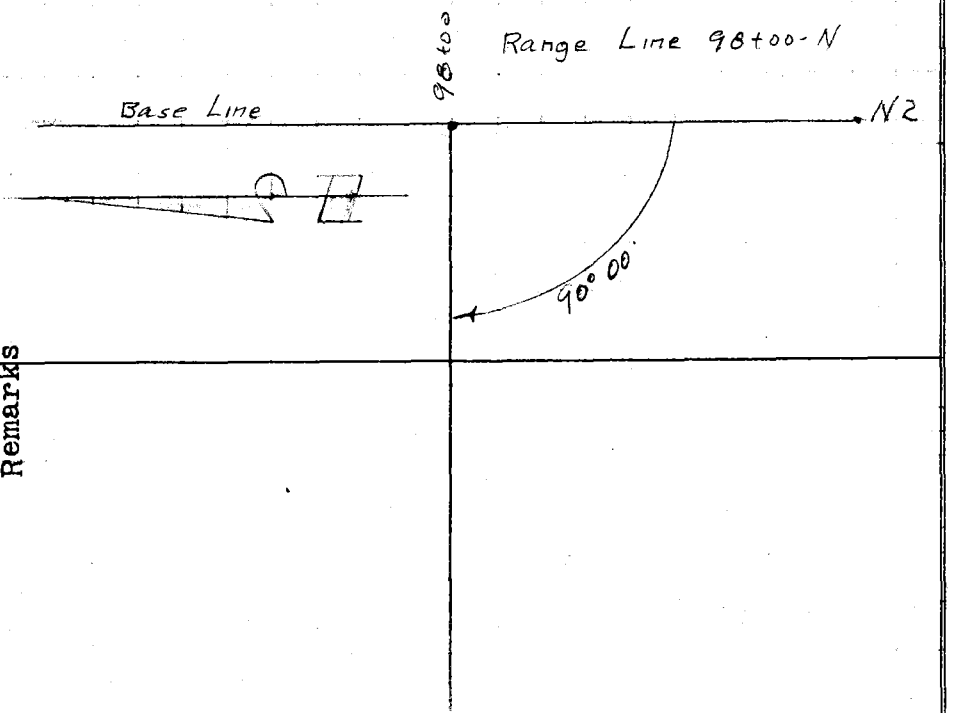
F. B. 2302 Pg. 117

Profile No. ____ Notes Red. ____ Date ____ Plotted ____ Date ____ Job No. 030002 Division No. 10

X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of Beach Erosion

Survey by VanDeren Notes J.J.C. Date 8-16-55

Map No. ____ Indexed ~~A.C. Johnson~~ Date ____



STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At CH	#	Color	Time	Hor. Ang.	
	1		6:45	90° 00'	
	2			[illegible]	
	3			[illegible]	
	4			90° 00'	
	5			90° 00'	
	6			90° 00'	
	7			90° 00'	
	8			90° 00'	
	9			90° 00'	
	10			90° 00'	
	11			90° 00'	
	12			90° 00'	
	13			90° 00'	
	14			90° 00'	
	15			90° 00'	
	16			90° 00'	
	17			90° 00'	
	18			90° 00'	
	19			90° 00'	
	20			90° 00'	

N-2

98+00-N

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76L298 307 8-53

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F.B. 2302 Pg. 116 Job No 23000 Division No. 10 Notes Red. Date Plotted Date No. Profile
Survey of Beach Erosion Notes Chkd. Date Checked Date X-Sec.
Survey by Van Dorn Notes V.N.E. Date
Indexed K. C. Johnson Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. At / Sight On	#	Color	Time	Hor. Ang.	Remarks	
	21		6:50	40		
					Range Line	98+00-N
98+00-N						
N-2						

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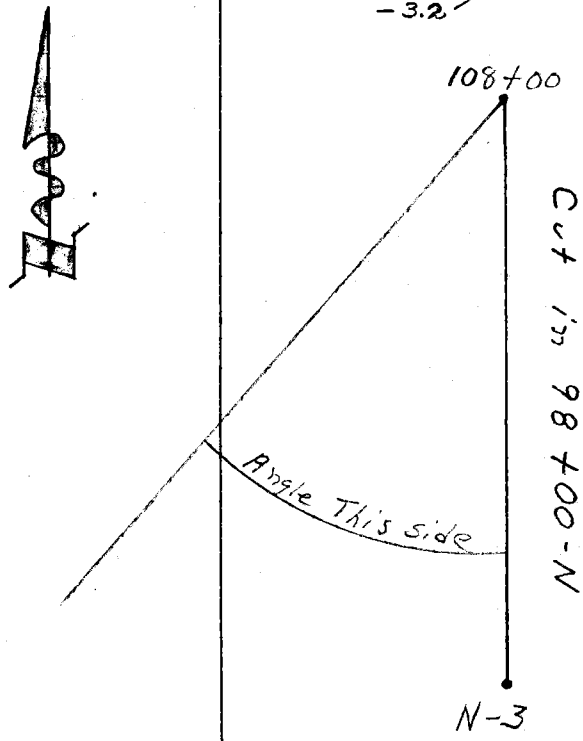
Do not extend notes this side of this line.

STATION Inst. Sight At	On	B. S. #	H. I. Color		F. S. Time	ELEV. Hor. Ang.		Remarks
		1	31.6 ✓	28.4	6:45	66° 40'	2318 ✓	
		2	30.7 ✓	27.5		65° 15'	2169 ✓	
		3	29.4 ✓	26.2		63° 41'	2022 ✓	
		4	28.6 ✓	25.4		62° 15'	1901 ✓	
		5	27.3 ✓	24.1		60° 48'	1789 ✓	
		6	26.4 ✓	23.2		59° 11'	1676 ✓	
		7	25.4 ✓	22.2		57° 02'	1542 ✓	
		8	24.0 ✓	20.8		55° 05'	1433 ✓	
		9	23.1 ✓	19.9		52° 30'	1303 ✓	
		10	21.9 ✓	18.7		50° 07'	1197 ✓	
		11	21.1 ✓	17.9		48° 37'	1135 ✓	
		12	20.4 ✓	17.2		47° 28'	1090 ✓	
		13	19.7 ✓	16.5		46° 30'	1054 ✓	
		14	18.9 ✓	15.7		45° 20'	1012 ✓	
		15	18.0 ✓	14.8		44° 32'	984 ✓	
		16	17.6 ✓	14.4		43° 49'	960 ✓	
		17	16.9 ✓	13.7		42° 50'	927 ✓	
		18	16.0 ✓	12.8 ✓		41° 51'	896 ✓	
		19	14.3 ✓	11.1 ✓		40° 55'	867 ✓	
		20	13.4 ✓	10.2 ✓		40° 05'	842 ✓	

Zero Adj. −0.5
Boat Adj. +1.0
Tide −3.7
−3.2



108+00-N

N-3

Profile Notes Red. Plotted Job No. 300102 Division No. 10 F.B. 2302 Pg. 119
No. Date Date Survey of Beach Erosion Study
X-Sec. Notes Chkd. Checked Survey by Van Deren Notes R.T. Date 8-16-55
No. Date Date Map No. Indexed Johnson Date

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F. B. 2302 Pg. 120 Job No 23202.01 Division No. 10 Notes Red. Plotted
Survey of Beach Erosion Study Date 8-16-55 Date No. X-Sec.
Survey by Van Doren Notes R.T. Notes Chkd. Checked No.
Indexed A. C. Johnson Date Date Date

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. At / Sight On	#	Color	Time	Hor. Ang.	Remarks	
	21	11.6 ✓ 8.4 ✓	6:50	39° 12	816 ✓	Cut in 98+00-N
108+00 / N-3						

76L298 S & E #307 9-54

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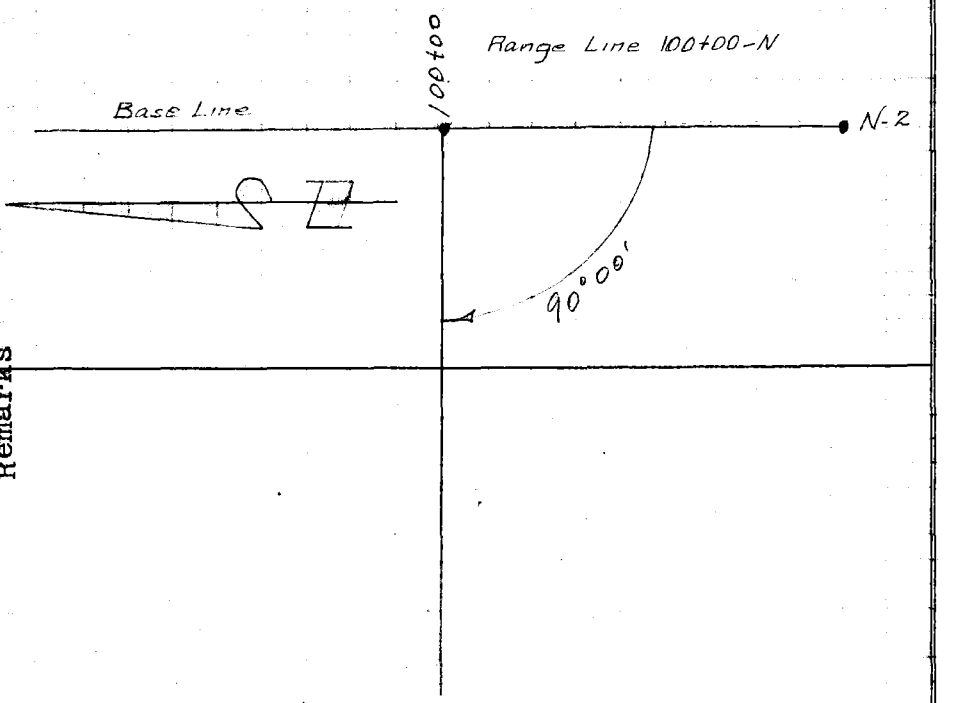
STATION	B. S.	H. I.	F. S.	ELEV.	Inst at 96+00		Station 100+00
96+00 T.P. (7th LINE)	548	2013		1465			
T.P.	485	1720	778	1235			
100+00			+75	247	12.0 4.5 7.5	DIRT	ROAD
12 FT. LEFT			+74	246	12.0 4.6 7.4	TOP	FILL
24 " "			00	172		BOTTOM	FILL
100 " "			38	134		BRK	
185 " "			12	160		"	
200 " "			14	158			
300 " "			64	108			
332 " "			70	102		BRK	
400 " "			58	114			
500 " "			37	135			
548 " "			27	145		BRK	
600 " "			65	107			
625			91	81	NEAR	WATER	
T.P.	-05	80	870	850			
			53	27	58° 47'	660 ✓	
			128	-48	61 21	732 ✓	
			171	-91	63 11	791 ✓	
			200	120	64 06	824 ✓	

INSHORE
N. 100+00

Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 10 F. B. 2302 Pg. 121
No. ____ Date ____ Date ____ Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. ____ Checked ____ Survey by DREIER ENGLISH Notes G.O.&E.E. Date 8-16-55
No. ____ Date ____ Date ____ Map No. ____ Checked Johnson Date ____

Profile No. | Notes Red. | Date | Plotted | Date | Job No. 230.02 | Division No. 10 | F. B. 7302 | Pg. 123

X-Sec. No. | Notes Chkd. | Date | Checked | Date | Survey of Beach Erosion | Survey by Van Dereu | Notes J.E. | Date 8-16-53 | Map No. | Indexed C. J. [illegible] | Date



STATION	B.S.	H.I.	F.S.	ELEV.	Remarks
Inst. Sight On	#	Color	Time	Hor. Ang.	
N-2	1		5:56	90° 00'	
	2			90° 00'	
	3			90° 00'	
	4			90° 00'	
	5			90° 00'	
	6			90° 00'	
	7			90° 00'	
	8			90° 00'	
	9			90° 00'	
	10			90° 00'	
	11			90° 00'	
	12			90° 00'	
	13			90° 00'	
	14			90° 00'	
	15			90° 00'	
	16			90° 00'	
	17			90° 00'	
	18		7:00	90° 00'	
100+00-N					

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761298 307 8-53

F.B. 2302 Pg. 129 | Job No. 630002 | Division No. 10 | Notes Red. | Plotted | Profile

Survey of Beach Erosion | Date | Date | No.

Survey by Van Derem Notes J.J.E. | Notes Chkd. | Checked | X-Sec.

Indexed C. Johnson Date | Date | Date | No.

761298 307 8-53

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STATION	B.S.	H.I.	F.S.	ELEV.	Hor. Ang.	Remarks
100+00-N						
N-2						
Inst. Sight At OH	#	Color	Time			Range Line
						100+00-N

76L298 307 8-53

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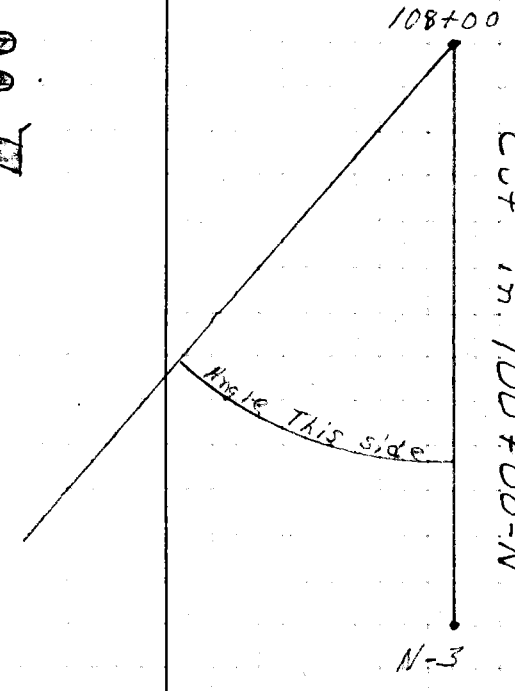
STATION Inst. At	Sight On	B. S. #	H. I. Color		F. S. Time	ELEV. Hor. Ang.		Remarks
		1	32.9 ✓	29.5	6:56	71° 31'	2393 ✓	
		2	31.3 ✓	27.9		70° 26'	2251 ✓	
		3	30.1 ✓	26.7		69° 28'	2136 ✓	
		4	28.8 ✓	25.4		67° [illegible]	1947 ✓	
		5	27.5 ✓	24.1		66° [illegible]	1804 ✓	
		6	26.0 ✓	22.6		64° 28'	1675 ✓	
		7	25.1 ✓	21.7		62° 40'	1548 ✓	
108-00	N-3	8	23.5 ✓	20.1		60° 43'	1427 ✓	
		9	22.2 ✓	18.8		58° 16'	1294 ✓	
		10	20.6 ✓	17.2		55° 25'	1160 ✓	
		11	20.1 ✓	16.7		53° 56'	1098 ✓	
		12	19.4	16.0		52° 59'	1061 ✓	
		13	18.8 ✓	15.4		51° 46'	1015 ✓	
		14	18.1 ✓	14.7		50° 52'	983 ✓	
		15	17.6 ✓	14.2		49° 42'	943 ✓	
		16	16.4 ✓	13.0		48° 33'	906 ✓	
		17	14.0 ✓	10.6		46° 48'	852 ✓	
		18	13.1 ✓	9.7	7:00	46° 08'	832 ✓	

Zero Adj. -0.5
Boat Adj. +1.0
Tide -3.9
-3.4



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 10 F. B. 2302 Pg. 125
No. ____ Date ____ Date ____ Survey of Beach Erosion Study
X-Sec. Notes Chkd. ____ Checked ____ Survey by Van Deren Notes R.T. Date 8-16-55
No. ____ Date ____ Date ____ Map No. ____ Date ____

F. B. 2302 Pg. 126 | Job No. 8300.02 Division No. 10 | Notes Red. | Plotted | Profile

Survey of Beach Erosion study | Date 8-16-55 | Date | No.

Survey by Van Doren | Notes R.T. | Notes Chkd. | Checked | X-Sec.

Indexed | Date | Date | Date | No.

76L298 307 8-53

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STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
					Inst. Sight
					At
					#
					Color
					Time
					Hor. Ang.

76L298 S & E #307 9-54

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Cut-in ∡

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at 96+00		Sight on 102+00
~~96+00~~ 98+00							
T.P. (2nd LINE)	4 85	~~17 20~~		~~14 65~~ 12 35			
T. P.	4 58	~~16 81~~	4 97	~~12 23~~			
102+00			+7 8	~~24 6~~	+13.3 -5.5 +7.8		DIRT ROAD
12 FT. LEFT (W)			+7 8	~~24 6~~	+13.3 -5.5 +7.8		TOP FILL
23 " "			+10	~~17 8~~	+13.3 -12.3 +1.0		BOTTOM "
100 " "			48	~~12 0~~			BRK
153 " "			15	~~15 3~~			BRK
200 " "			22	~~14 6~~			
254 " "			48	~~12 0~~			BRK
300 " "			45	~~12 3~~			
400 " "			50	~~11 8~~			
500 " "			34	~~13 4~~			
560			22	~~14 6~~			
573			40	~~12 8~~			
600			67	~~10 1~~			
T.P. 616	0 0	~~[illegible]~~	8 64	~~8 17~~			
			4 6	~~3 6~~	47 16	649 ✓	
			10 6	~~2 4~~	49 48	710 ✓	
			14 8	~~6 6~~	51 33	756 ✓	
			18 1	~~9 9~~	52 49	791 ✓	

INSHORE
N. 102+00

Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 10 F. B. 2302 Pg. 1/27
No. ____ Date ____ Date ____ Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. ____ Checked ____ Survey by DREIER ENGLISH Notes G.D. & E.E. Date 8-16-55
No. ____ Date ____ Date ____ Map No. ____ Date ____

Profile No. ____ X-Sec. No. ____

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

Plotted ____ Date ____ Checked ____ Date ____

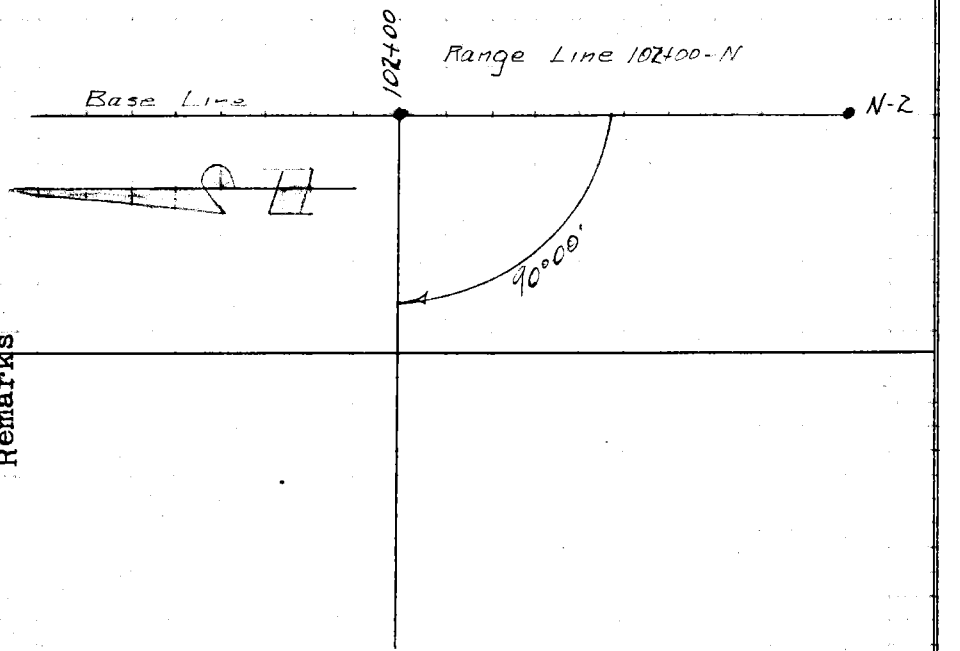
Job No. 9300.02 Division No. 10

Survey of Beach Erosion

Survey by Van Doren Notes J.J.E. Date 8-16-55

Map No. ____ Indexed G. Johnson Date ____

F. B. 2302 Pg. 129



STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At CH	#	Color	Time	Hor. Ang.	
N-2	1		7:36	90°00'	
	2			90°00'	
	3			90°00'	
	4			90°00'	
	5			90°00'	
	6			90°00'	
	7			90°00'	
	8			90°00'	
	9			90°00'	
	10			90°00'	
	11			90°00'	
	12			90°00'	
	13			90°00'	
	14			90°00'	
	15			90°00'	
	16			90°00'	
	17			90°00'	
	18			90°00'	
	19			90°00'	
	20			90°00'	
102400-N					

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761.298 307 8-53

F.B. 2302 Pg. 130 | Job No. 9300.02 | Division No. 10 | Notes Red. | Plotted | Profile

Survey of Beach Erosion | Date | Date | No.

Survey by Van Deren | Notes J.N.E. | Notes Chkd. | Checked | X-Sec.

Indexed A. C. Johnson | Date | Date | Date | No.

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STATION	B. S.	H. I.	F. S.	ELEV.	Inst. Sight At OH	Color	Time	Hor. Ang.	Remarks
102+00-N									
N-2					#				
	21								
									Range Line
									102+00-N

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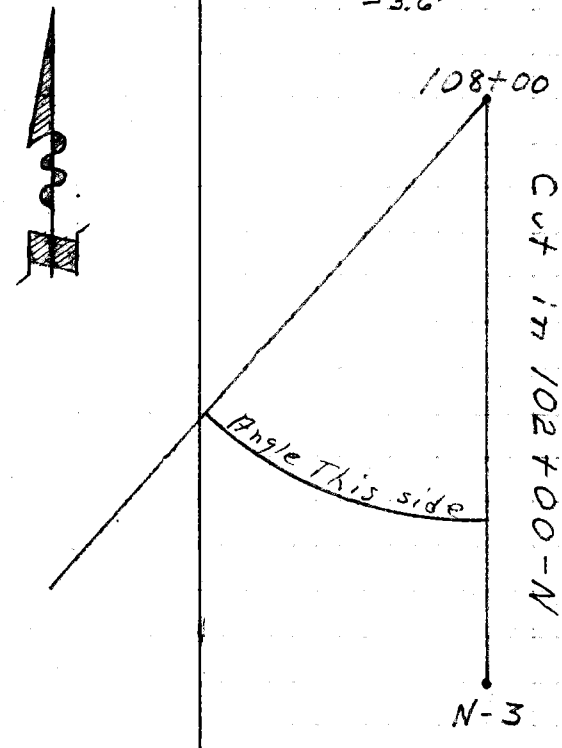
STATION	B. S.	H. I.	F. S.	ELEV.	
Inst. Sight At On	#	Color	Time	Hor. Ang.	
	1	32.8 ✓ 29.2	7:06	75° 47'	2368 ✓
	2	30.6 ✓ 27.0		74° 33'	2171 ✓
	3	29.4 ✓ 25.8		73° 42'	2052 ✓
	4	27.6 ✓ 24.0		72° 05'	1856 ✓
	5	25.7 ✓ 22.1		[illegible]	1690 ✓
	6	24.5 ✓ 20.9		[illegible]	1573 ✓
	7	23.8 ✓ 20.2		67° 47'	1469 ✓
	8	23.0 ✓ 19.4		66° 25'	1374 ✓
	9	22.0 ✓ 18.4		64° [illegible]	1281 ✓
	10	21.1 ✓ 17.5		63° 35'	1208 ✓
	11	20.6 ✓ 17.0		62° 25'	1149 ✓
	12	20.3 ✓ 16.7		61° 40'	1113 ✓
	13	19.7 ✓ 16.1		60° 40'	1068 ✓
	14	19.2 ✓ 15.6		59° 51'	1033 ✓
	15	18.5 ✓ 14.9		59° 03'	1001 ✓
	16	17.8 ✓ 14.2		58° 15'	970 ✓
	17	16.9 ✓ 13.3		57° 16'	933 ✓
	18	16.2 ✓ 12.6		56° 32'	908 ✓
	19	15.6 ✓ 12.0		55° 45'	881 ✓
	20	14.8 ✓ 11.2		54° 48'	851 ✓

108+00-N

N-3

Remarks Zero Adj. -0.5
Boat Adj. +1.0
Tide -4.1
-3.6



Profile Notes Red. Plotted Job No. 0300.02 Division No. 10 F. B. 2302 Pg. 131
No. Date Date Survey of Beach Erosion Study
X-Sec. Notes Chkd. Checked Survey by Van Deren Notes R.T. Date 8-16-55
No. Date Date Map No. Date

F. B. 2302 Pg. 132 Job No. 0300.03 Division No. 10 Notes Red. _____ Plotted _____ Profile

Survey of Beach Erosion Study Date 8-16-55 Date _____ No. _____

Survey by Van Deren Notes R.T. Notes Chkd. _____ Checked _____ X-Sec.

Indexed A. C. Johnson Date _____ Date _____ Date _____ No. _____

108+00

N-3

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks
		21	14.0 ✓ 10.4	7:11	5 [illegible] 32	812 ✓ Cut in 102+00-N

76L298 307 8-53

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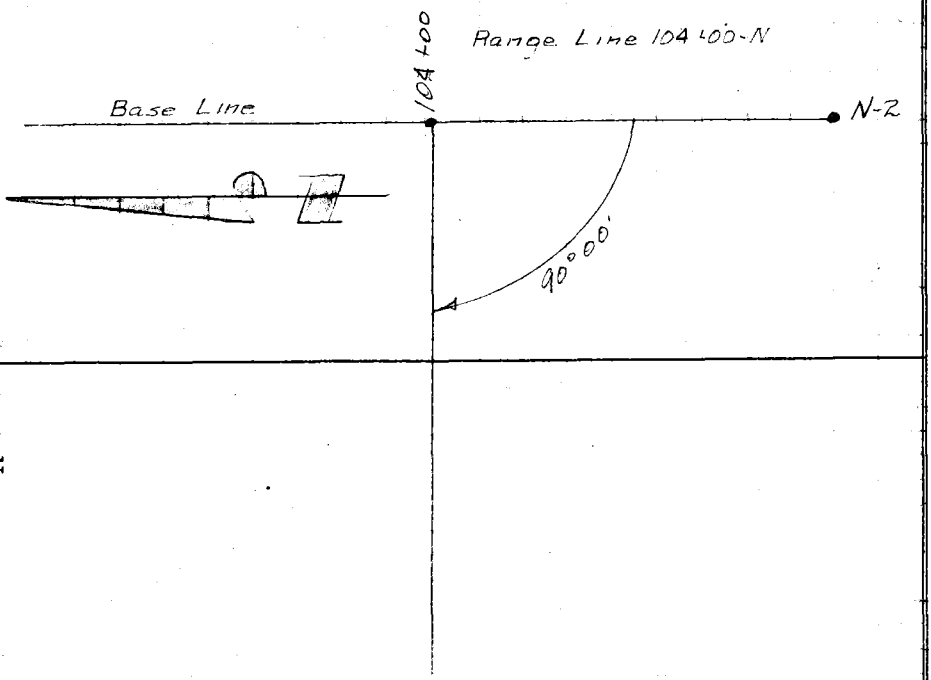
STATION 98+00	B. S.	H. I.	F. S.	ELEV.	Inst. at 96+00	Sight on 104+00
~~96+00~~				1235		
T.P. 2nd LINE	4 85	~~17 29~~		~~1465~~		
T.P.	4 58	~~16 81~~	4 97	~~1223~~		
104+00			+78	~~24 6~~	+13.1 -5.3 +7.8	DIRT ROAD
12 FT. LEFT			+76	~~24 4~~	+13.1 -5.5 +7.6	TOP FILL
24 " "			+02	~~17 0~~	+13.1 -12.9 +0.2	BOTTOM "
100 " "			49	~~11 9~~		BRK
155 " "			19	~~14 9~~		"
200 " "			30	~~13 8~~		
255 " "			58	~~11 0~~		BRK
300 " "			50	~~11 8~~		
400 " "			51	~~11 7~~		
500 " "			33	~~13 5~~		
555 " "			22	~~14 6~~		BRK
575 " "			40	~~12 8~~		"
600 " "			60	~~10 8~~		
612 " "		1	81	~~8 1~~		NEAR WATER
T.P.	0 0	~~7 2~~	8 64	~~8 17~~		
			3 [illegible]	~~[illegible]~~	38° 32'	637 ✓
			10 8	~~[illegible]~~	41 10	700 ✓
			15 2	~~[illegible]~~	43 33	760 ✓
			17 9	~~[illegible]~~	45 02	801 ✓

INSHORE
N. 104+00

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. ____ F. B. 2302 PG. 133
X-Sec. No. ____ Date ____ Date ____ Survey of BEACH EROSION STUDIES
Notes Chkd. ____ Checked ____ Survey by DREIER ENGLISH Notes G.D.P.E.E. Date 8-16-55
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

Profile	Notes Red.	Plotted	Job No. 0300.02	Division No. 10	F. B. 2302	Pg. 131
No.	Date	Date	Survey of Beach Erosion			
X-Sec.	Notes Chkd.	Checked	Survey by Van Deren	Notes J.J.E.	Date 8-16-55	
No.	Date	Date	Map No.	Indexed C. Johnson	Date	



STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At CH	#	Color	Time	Hor. Ang.	
	1		7:17	90°00'	
	2			90°00'	
	3			90°00'	
	4			90°00'	
	5			90°00'	
	6			90°00'	
	7			90°00'	
	8			90°00'	
	9			90°00'	
	10			90°00'	
	11			90°00'	
	12			90°00'	
	13			90°00'	
	14			90°00'	
	15			90°00'	
	16			90°00'	
	17			90°00'	
	18			90°00'	
	19			90°00'	
	20			90°00'	

N-2

104+00-N

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

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

Do not extend notes this side of this line.

76L298 307 8-53

F.B. 2302 PG. 136

Job No. 0300.02 Division No. 18 Notes Red. Plotted Profile

Survey of Beach Erosion Date Date No.

Survey by Van Deren Notes J.J.E. Notes Chkd. Checked X-Sec.

Indexed A. C. Johnson Date Date Date No.

76L298 307 8-53

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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.

STATION	B.S.	H.I.	F.S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.		Remarks
104+00-N						
N-2						
	21			90°00'		
	22			90°00'		
	23		7:33	90°00'		
					Range Line	104+00-N

76L298 307 8-53

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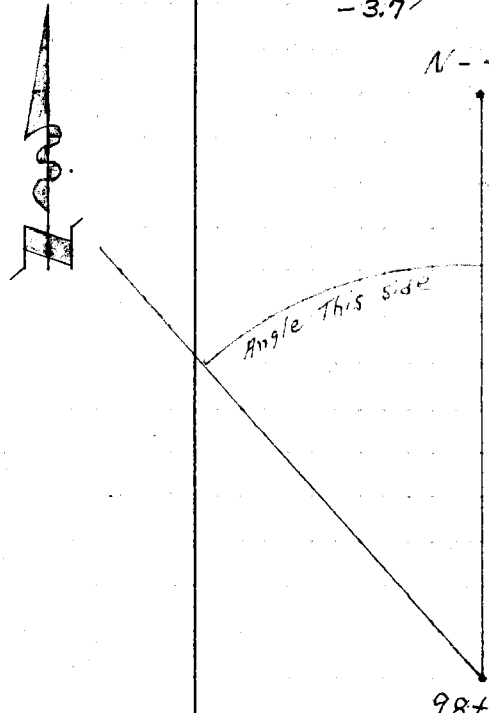
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Profile Notes Red ____ Plotted ____ Job No 2300.02 Division No. 10 F. B. 2302 Pg. 137
No. ____ Date ____ Date ____ Survey of Beach Erosion Study
X-Sec. Notes Chkd. ____ Checked ____ Survey by Van Dexen Notes P.T. Date 8-16-55
No. ____ Date ____ Date ____ Map No. ____ Date ____

STATION Inst. At	Sight On	B. S. #	H. I. Color		F. S. Time	ELEV. Hor. Ang.		Remarks
								Zero Adj. -0.5 ✓
								Boat Adj. +1.0 ✓
								Tide -4.2 ✓
								-3.7 ✓
00+86	N-4	1	32.7	29.0	7:17	75° 33'	2328	✓
		2	31.2	27.5		74° 32'	2168	✓
		3	29.2	25.5		73° 46'	2061	✓
		4	28.2	24.5		72° 44'	1930	✓
		5	26.3	22.6		71° 17'	1771	✓
		6	25.6	21.9		69° 50'	1634	✓
		7	24.6	20.9		68° 24'	1515	✓
		8	23.8	20.1		67° 29'	1447	✓
		9	22.5	18.8		65° 51'	1338	✓
		10	21.6	17.9		64° 15'	1244	✓
		11	21.1	17.4		62° 56'	1174	✓
		12	20.5	16.8		61° 41'	1114	✓
		13	19.7	16.0		60° 36'	1065	✓
		14	19.4	15.7		59° 49'	1032	✓
		15	19.3	15.6		59° 15'	1008	✓
		16	18.8	15.1		58° 10'	986	✓
		17	18.2	14.5		57° 56'	958	✓
		18	18.0	14.3		56° 52'	919	✓
		19	17.0	13.3		56° 22'	902	✓
		20	16.2	12.5		55° 50'	884	✓



F. B. 2302 Pg. 138 Job No. 0300.02 Division No. 10 Notes Red. _____ Plotted _____ Profile

Survey of Beach Erosion Study Date 8-16-55 Date _____ No. _____

Survey by Van Deren Notes R.T. Notes Chkd. _____ Checked _____ X-Sec.

Indexed A. C. Johnson Date _____ Date _____ Date _____ No. _____

76L298 307 8-53

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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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks
		21	15.4 11.7		54° 36'	844 Cut in 104+00-N
		22	14.4 10.7		55° 34'	813
		23	12.0 8.3	7:22	55° 41'	787

98+00

N-4

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.

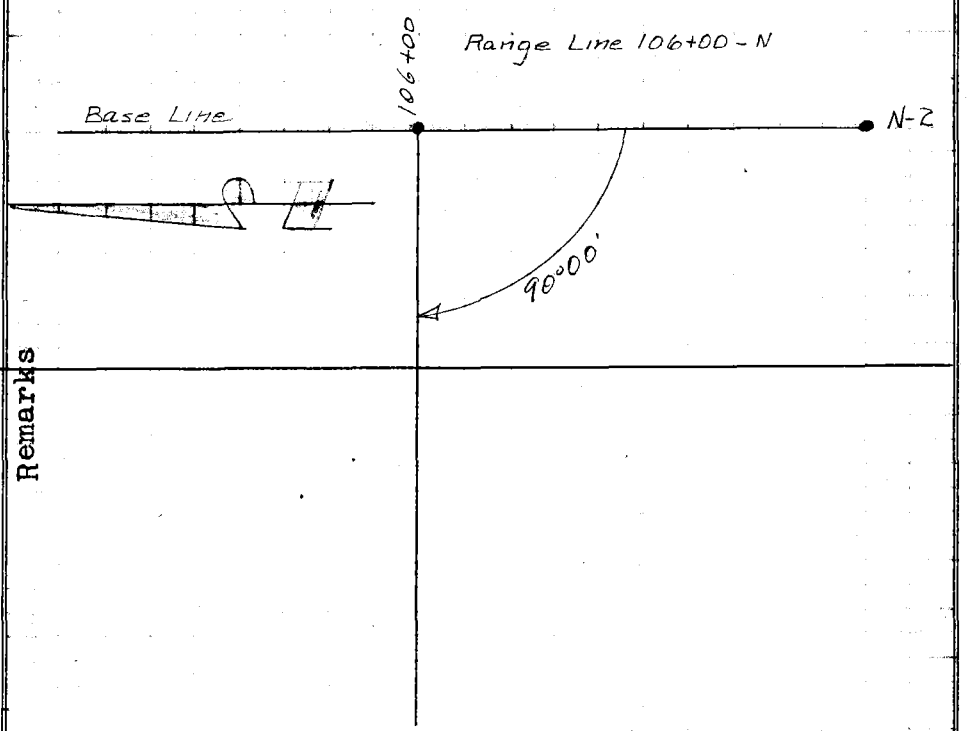
Do not extend notes this side of this line.

Profile Notes Red. Plotted Job No. 6300.02 Division No. 10 F. B. 2302 Pg. 139
No. Date Date Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. Checked Survey by DREHER ENGLISH Notes G.D.E.E. Date 8-16-55
No. Date Date Map No. Date

STATION	B. S.	H. I.	F. S.	ELEV.		
					Last at 102+00	Sight on 106+00
102+00 T.P. (2 rolling)	4 58	16 81		12 23		
T. P.	4 48	16 47	482	11 99		
106+00			+8 0	24 5	+13.6 -5.6 +8.0	DIRT ROAD
12 FT. LEFT			+8 1	~~24 5~~ 24 6	+13.6 -5.5 +8.1	TOP FILL
25 " "			+0 7	17 2	+13.6 -12.9 +0.7	BOTTOM FILL
75 " "			36	12 9		BRK
100 " "			32	13 3		
134 " "			0 2	163		BRK
182 " "			0 5	160		
200 " "			1 4	151		
261 " "			4 4	121		BRK
300 " "			47	~~12 8~~ 11 8		
400 " "			5 0	11 5		
500 " "			30	135		
560 " "			18	147		
600 " "			70	95		
T.P. 609 " "	-0 7	7 91	785	862		
			3 8	4 1	58° 15'	644 ✓
			9 8	-1 9	60 [illegible]	700 ✓
			15 6	-7 7	62 51	780 ✓
			17 5	-11 6	64 29	838 ✓

INSHORE
N. 106+00

Profile	Notes Red.	Plotted	Job No. 630002	Division No. 10	F. B. 2302	Pg. 141
No.	Date	Date	Survey of Beach Erosion			
X-Sec.	Notes Chkd.	Checked	Survey by VanDeren	Notes J.J.E.	Date 8-16-55	
No.	Date	Date	Map No.	Indexed C. Johnson	Date	



STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At OR	#	Color	Time	Hor. Ang.	
	1		7:27	90°00'	
	2			90°00'	
	3			90°00'	
	4			90°00'	
	5			90°00'	
	6			90°00'	
	7			90°00'	
	8			90°00'	
	9			90°00'	
	10			90°00'	
	11			90°00'	
	12			90°00'	
	13			90°00'	
	14			90°00'	
	15			90°00'	
	16			90°00'	
	17			90°00'	
	18			90°00'	
					7:32

N-2

106+00-N

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

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

Do not extend notes this side of this line.

76L298 307 8-53

F.B. 2302 Pg. 142 Job No. 8300.02 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Date Date No.

Survey by VanDeren Notes J.J.E. Notes Chkd. Checked X-Sec.

Indexed R. C. Johnson Date Date Date No.

STATION	B.S.	H.I.	F.S.	ELEV.	Inst. Sight At OH # Color Time Hor. Ang.	Remarks
					106+00-N	
					N-2	
						Range Line
						106+00-N

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

761.298 307 8-53

NOTE: ANY ADDITIONS 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.

76L298 307 8-53

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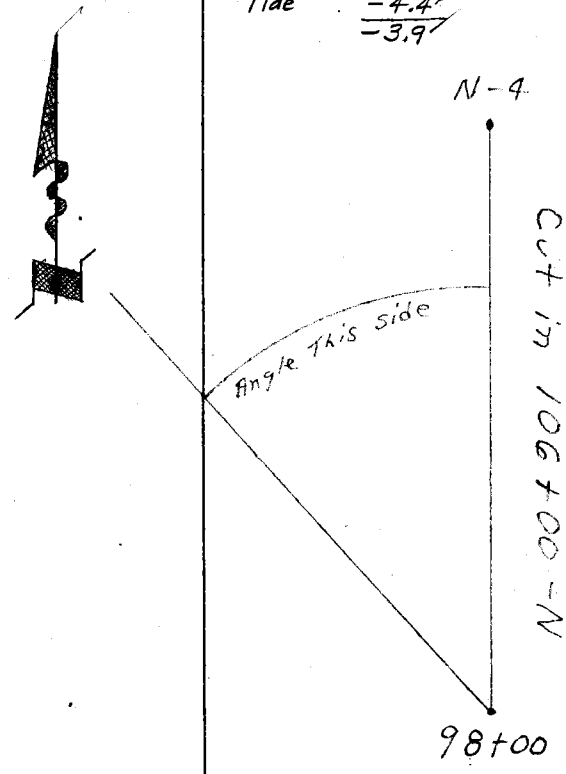
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 Inst. Sight At	On	B. S. #	H. I. Color		F. S. Time	ELEV. Hor. Ang.	Remarks
		1	33.3	29.4	7: 27	72° 00'	2462
		2	31.7	27.8		70° 40'	2280
		3	30.5	26.6		69° 28'	2136
		4	29.2	25.3		68° 37'	2043
		5	28.2	24.3		67° 14'	1906
		6	26.7	22.8		65° 20'	1742
		7	25.7	21.8		63° 26'	1600
		8	24.2	20.3		61° 29'	1472
98+00	N-4	9	22.7	18.8		58° 58'	1330
		10	21.1	17.2		56° 07'	1191
		11	20.0	16.1		53° 30'	1081
		12	18.9	15.0		51° 37'	1010
		13	18.0	14.1		49° 57'	952
		14	16.8	12.9		48° 33'	906
		15	15.9	12.0		47° 35'	876
		16	15.4	11.5		46° 43'	849
		17	12.2	8.3		45° 06'	803
		18	10.6	6.7	7: 32	43° 20'	755

Zero Adj. -0.5
Boat Adj. +1.0
Tide -4.4
-3.9



Profile Notes Red. Plotted Job No. 0300.02 Division No. 10 F.B. 2302 Pg. 143
No. Date Date Survey of Beach Erosion Study
X-Sec. Notes Chkd. Checked Survey by Van Doren Notes R.T. Date 8-16-55
No. Date Date Map No. Indexed Date

F. B. 2302 PG. 144 | Job No. 300.02 Division No. 10 | Notes Red. | Plotted | Profile

Survey of Beach Erosion Study | Date 8-16-55 | Date | No.

Survey by Van Doren | Notes R. T. | Notes Chkd. | Checked | X-Sec.

Indexed | Date | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At OR	#	Color	Time	Hor. Ang.	

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.

76L298 307 8-53

76L298 S & E #307 9-54

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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.

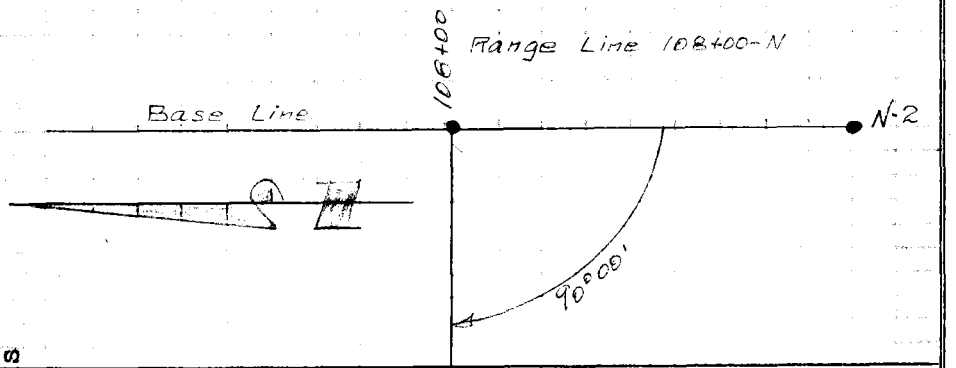
Do not extend notes this side of this line. Cut-in ∡

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at 102+00	Sight on 108+00
102+00 T.P. (LINE 2)	4 58	16 81		12 23		
T.P.	4 48	16 47	4 82	11 99		
108+00			+82	24 7	11.0 28 8.2	
12 FT. LEFT			+83	24 8	11.0 27 8.3	
27 " "			01	16 4		
78 " "			39	12 6	BRK	
100 " "			32	13 3		
125 " "			07	15 8	BRK	
150 " "			03	16 2	"	
200 " "			20	14 5		
250 " "			46	11 9		
300 " "			48	11 7		
400 " "			51	11 4		
500 " "			32	13 3		
558 " "			21	14 4		
600 " "			73	9 2		
607 " "			80	8 5	NEAR WATER	
T.P.	-0 7	7 9	785	8 62		
			3 8	4 1	47° 03'	645 ✓
			9 9	-2 0	49 19	698 ✓
			15 2	-7 3	52 26 53°37'	780 ✓
			18 5	-10 6	53 27	814 ✓

INSHORE
N. 108+00

Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 10 F. B. 2302 Pg. 145
No. ____ Date ____ Date ____ Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. ____ Checked ____ Survey by DREIER ENGLISH Notes G. DEE Date 8-16-55
No. ____ Date ____ Date ____ Map No. ____ Indexed G. Johnson Date ____

Profile No. | Notes Red. | Date | Plotted | Date | Job No. 2300.02 | Division No. 10 | F. B. 2302 Pg. 147
X-Sec. No. | Notes Chkd. | Date | Checked | Date | Survey of Beach Erosion | Survey by Van Dorn Notes J.V.E. Date 8-16-55 | Map No. | Indexed C. Johnson Date



STATION	B.S.	H.I.	F.S.	ELEV.	Hor. Ang.	Remarks
Inst. Sight	#	Color	Time			
N-2	1		7:38		90° 00'	
	2				90° 00'	
	3				90° 00'	
	4				90° 00'	
	5				90° 00'	
	6				90° 00'	
	7				90° 00'	
	8				90° 00'	
	9				90° 00'	
	10				90° 00'	
	11				90° 00'	
	12				90° 00'	
	13				90° 00'	
	14				90° 00'	
	15				90° 00'	
	16				90° 00'	
	17		7:43		90° 00'	
Inst. Sight						
N-2						
108+00-N						

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.

761298 307 8-53

F.B. 2302 Pg. 148 Job No. 0300.02 Division No. 18 Notes Red. Plotted Profile

Survey of Beach Erosion Date Date No.

Survey by Van Deren Notes J.J.E. Notes Chkd. Checked X-Sec.

Indexed A. C. Johnson Date Date Date No.

108+00-N

N-I

STATION	B.S.	H.I.	F.S.	ELEV.	Remarks
Inst. Sight At On	#	Color	Time	Hor. Ang.	

Range Line 108+00-N

76L298 307 8-53

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.

76L298 307 8-53

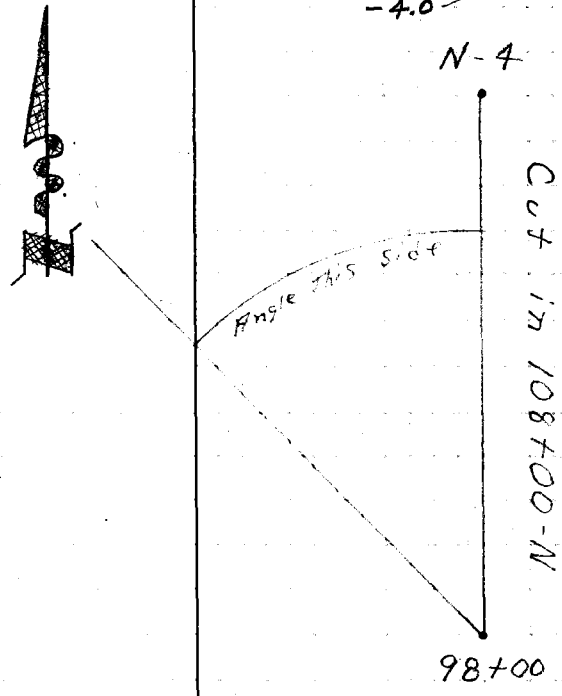
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.		Remarks
Inst. Sight At On	#	Color		Time	Hor. Ang.		
	1	33.5	29.5	7:38	67° 07'	2369	
	2	31.6	27.6		65° 38'	2208	
	3	29.7	25.7		63° 30'	2006	
	4	28.2	24.2		61° 58'	1878	
	5	27.0	23.0		59° 52'	1723	
	6	25.6	21.6		57° 32'	1572	
	7	24.6	20.6		55° 26'	1451	
	8	23.5	19.5		52° 56'	1324	
	9	21.7	17.7		49° 10'	1157	
	10	20.2	16.2		46° 40'	1060	
	11	19.1	15.1		45° 02'	1001	
	12	18.1	14.1		43° 16'	941	
	13	17.1	13.1		41° 44'	892	
	14	15.3	11.3		40° 19'	849	
	15	14.3	10.3		39° 31'	825	
	16	13.4	9.4		38° 57'	808	
	17	13.0? void	9.0?	7:43	38° 33'	797	

Zero Adj. -0.5
Boat Adj. +1.0
Tide -4.5
-4.0



98+00 N-4

Profile Notes Red. Plotted Job No. 0300.02 Division No. 10 F.B. 2302 Pg. 149
No. Date Date Survey of Beach Erosion Study
X-Sec. Notes Chkd. Checked Survey by Van Dyke Notes R.T. Date 8-16-55
No. Date Date Map No. Indexed C. Johnson Date

76L298 307 8-53

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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.

F. B. 2302 Pg. 150 Job No. 0300.02 Division No. 10 Notes Rcd. Plotted
Survey of Beach Erosion Study Date 8-16-55 Date No. X-Sec.
Survey by Van Deren Notes A.T. Notes Chkd. Checked
Indexed Date Date Date No. Profile

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.		Remarks

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.		
106+00 T.P. 2nd LINE	4 48	16 47		11 99		
T.P.	9 00	21 34	4 13	12 34		
T.P.	17 99	39 30	0 03	21 31		
T.P.	17 53	55 37	1 46	37 84		
B.M. 27-10	0 33	53 01	2 72	52 ~~65~~ 68	B.M. 27-10, U.S. 3793, R-767 ELEV. 49.881 F.B. 1393-14	
T.P.	0 91	36 64	17 28	35 73		M.L.L.W. 2800 52.681
110+00			11 8	24 8	DIRT ROAD	
58 FT. LEFT			12 2	24 4	TOP FILL (THIS EXTRA WIDTH OF FILL IS ± 200 FT LONG.) FROM APPROX 109+50 TO 111+50	
T.P.	0 30	19 59	17 35	19 29		
81 FT. LEFT			6 7	12 9	BOTTOM FILL	
100 " "			5 5	14 1		
140 " "			3 1	16 5	BRK	
200 " "			5 0	14 6		
263 " "			7 2	12 4		
300 " "			7 2	12 4		
400 " "			8 5	11 1	BRK	
500 " "			6 2	13 4		
554 " "			5 3	14 3	BRK	
T.P. 600 " "			9 82	9 77		

INSHORE
N. 110+00

Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 10 F.B. 2302 PG. 157
No. ____ Date ____ Date ____ Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. ____ Checked ____ Survey by DREIER ENGLISH Notes G.D.&E.E. Date 8-16-55
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

F. B. 2302 Pg. 152 Job No. 0300.02 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Date Date No.

Survey by EE&GD Notes EE&GD Notes Chkd. Checked X-Sec.

Indexed C Johnson Date Date Date No.

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. Cut-in X

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at 106+00	Sight on 110+00
T.P.	-06	9 2		9 2		
			6 6	2 6	58 35	655 ✓
			12 5	-3 5	60 30	707 ✓
			16 0	-6 ✓	62 10	760 ✓
			14 5	-10 3	63 45	811 ✓

Profile No. ____ X-Sec. No. ____

Notes Red. ____ Date ____ Plotted ____ Date ____ Job No. 0300.02 Division No. 10

Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of Beach Erosion

Survey by VanDeren Notes J.V.E. Date 8-16-55

Map No. ____ Indexed by Johnson Date ____

F. B. 2302 Pg. 153

PLEASE RETURN TO
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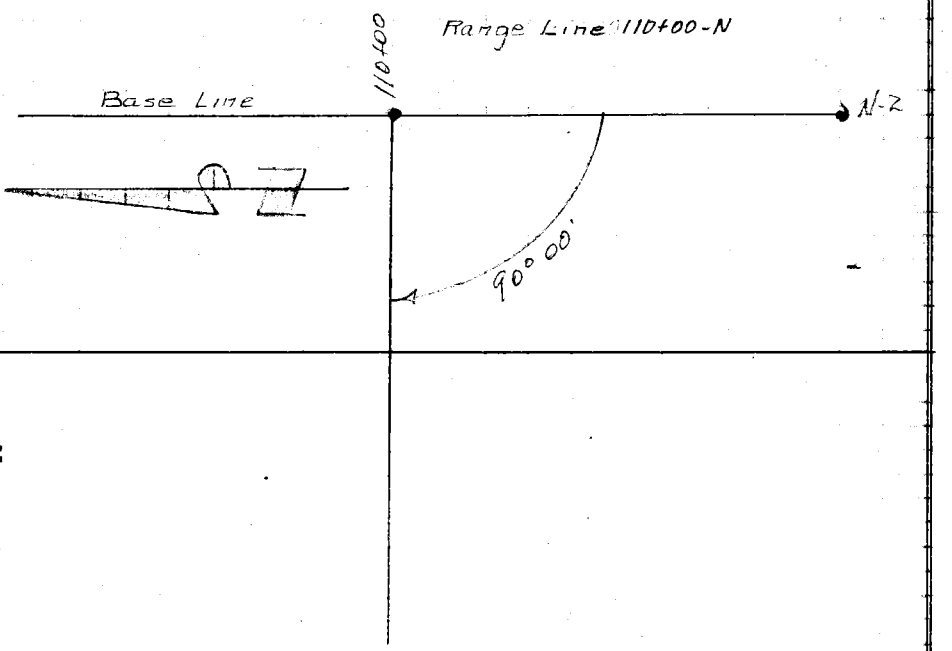
726 Los Angeles County Engineering Bldg.

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.	Remarks
Inst. sight At ON	#	Color	Time	Hor. Ang.	
	1		7:48	90° 00'	
	2			90° 00'	
	3			90° 00'	
	4			90° 00'	
	5			90° 00'	
	6			90° 00'	
	7			90° 00'	
	8			90° 00'	
	9			90° 00'	
	10			90° 00'	
	11			90° 00'	
	12			90° 00'	
	13			90° 00'	
	14			90° 00'	
	15			90° 00'	
	16			90° 00'	
	17			90° 00'	
	18			90° 00'	
	19			90° 00'	
	20			90° 00'	
N-2					
110+00-N					

761298 307 8-53

76L298 307 8-53

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726 Los Angeles County Engineering Bldg.

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Do not extend notes this side of this line.

F.B. 2302 Pg. 159 | Job No. 23002 Division No. 10 | Notes Red. | Date | Plotted | Date | Profile No. | X-Sec. No.

Survey of Beach Erosion | Notes Chkd. | Date | Checked | Date

Survey by Van Dorn Notes V.N.E.

Indexed E. C. Johnson Date

STATION	B. S.	H. I.	F. S.	ELEV.	
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks
	21			90° 00'	
	22			90° 00'	
	23		7:52	90° 00'	
					Range Line 110400-N
110400-N					
N-2					

76L298 307 8-53

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726 Los Angeles County Engineering Bldg.

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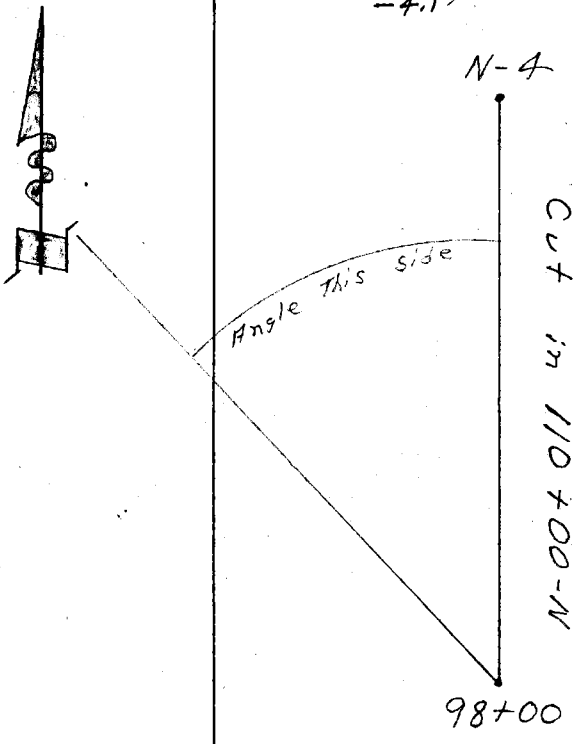
Do not extend notes this side of this line.

Profile Notes Red____ Plotted____ Job No 8300.02 Division No. 10 F. B. 2302 Pg. 153
No.____ Date____ Date____ Survey of Peach Canyon Study
X-Sec. Notes Chkd____ Checked____ Survey by Wm Deren Notes R.T. Date 8-16-55
No.____ Date____ Date____ Map No.____ Plotted____ Date____

STATION Inst. Sight At	On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.		Remarks
							Zero Adj. -0.6
							Boot Adj. +1.0
							Tide -4.5
							-4.1
98+00	N-4	1	33.1 ✓	29.0 7:48	63° 32'	2410 ✓	
		2	31.7 ✓	27.6	61° 55'	2249 ✓	
		3	30.2 ✓	26.1	60° 08'	2090 ✓	
		4	29.3 ✓	25.2	58° 38'	1968 ✓	
		5	27.9 ✓	23.8	56° 36'	1820 ✓	
		6	26.8 ✓	22.7	55° 00'	1714 ✓	
		7	25.5 ✓	21.4	52° 45'	1578 ✓	
		8	24.7 ✓	20.6	50° 58'	1480 ✓	
		9	23.5 ✓	19.4	48° 22'	1350 ✓	
		10	22.2 ✓	18.1	45° 50'	1235 ✓	
		11	21.1 ✓	17.0	43° 30'	1139 ✓	
		12	20.5 ✓	16.4	41° 40'	1068 ✓	
		13	19.8 ✓	15.7	40° 27'	1023 ✓	
		14	18.6 ✓	14.5	39° 25'	986 ✓	
		15	18.3 ✓	14.2	38° 32'	956 ✓	
		16	17.9 ✓	13.8	37° 33'	922 ✓	
		17	16.8 ✓	12.7	36° 40'	893 ✓	
		18	15.9 ✓	11.8	35° 36'	859 ✓	
		19	14.9 ✓	10.8	34° 55'	838 ✓	
		20	13.7 ✓	9.6	34° 10'	815 ✓	



F. B. 2302 PG. 156 Job No. 0300.02 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Study Date 8-16-55 Date No.

Survey by Van Deren Notes R.T. Notes Chkd. Checked X-Sec.

Indexed A. C. Johnson Date Date Date No.

76L298 307 8-53

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
	21	12.5 ✓ 8.4		33° 18'	788 ✓	Cut in 110+00-N
	22	11.1 ✓ 7.0		32° 28'	764 ✓	
	23	9.8 ✓ 5.7	7:52	31° 27'	734 ✓	

98+00

N-4

76L298 S & E #307 9-54

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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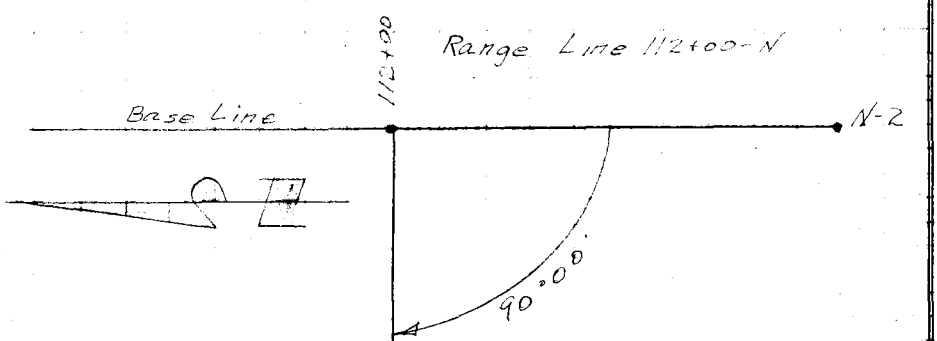
Do not extend notes this side of this line. Cut-in X

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at 106+00	Sight on 112+00
B.M. 27-10	0 33	53 01		5268	BM. 27-10 U.S.3793 - R. 767 ELEV. 49.881 F.B. 1393-14	
T.P.	0 91	36 64	1728	3573		2800 M.L.W. 52.681
112+00			122	244	DIRT ROAD	
14 FT LEFT			120	246	TOP FILL	
T.P.	0 30	19 59	1735	1929		
26 FT. L.			48	148	BOTTOM FILL	
100 " "			38	158		
172 " "			37	159	BRK	
200 " "			43	153		
300 " "			70	126		
400 " "			87	109		
500 " "			63	133		
566 " "			52	144	BRK	
600 " "			103	93		
608			116	80	NEAR WATER	
T.P.	-0 6	7 2	982	977		
			[illegible]	[illegible]	77° 15'	651 ✓
			124	-37	49 59	715 ✓
			172	-70	52.15	775 ✓
			178	105	52 99	791 ✓

INSHORE
N. 112+00

Profile Notes Red. Plotted. Job No. 2300.02 Division No. 10 F.B. 2302 Pg. 157
No. Date Date Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. Checked Survey by [illegible] Notes F.B. & E. Date 8-16-55
No. Date Date Map No. Index C. Job Descr. Date

Profile	Notes Red.	Plotted	Job No. 030002	Division No. 10	F. B. 2302	Pg. 159
No.	Date	Date	Survey of Beach Erosion			
X-Sec.	Notes Chkd.	Checked	Survey by Van Deren	Notes J.J.E.	Date 8-16-55	
No.	Date	Date	Map No.	Indexed C. Jones	Date	



STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At On	#	Color	Time	Hor. Ang.	
	1		8:01	90°00'	
	2			90°00'	
	3			90°00	
	4			90°00'	
	5			90°00'	
	6			90°00'	
	7			90°00'	
	8			90°00'	
	9			90°00'	
	10			90°00	
	11			90°00'	
	12			90°00'	
	13			90°00'	
	14			90°00'	
	15			90°00'	
	16			90°00'	
	17			90°00'	
	18			90°00'	
	19			90°00'	
				8:05	

N-2

112+00-N

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F. B. 2302 PG. 160 Job No. 030002 Division No. 10 Notes Red. ______ Plotted ______ Profile

Survey of Beach Erosion ______ Date ______ Date ______ No. ______

Survey by Van Deren Notes J.J.E. ______ Notes Chkd. ______ Checked ______ X-Sec.

Indexed A C Johnson Date ______ Date ______ Date ______ No. ______

STATION Inst. Sight At OR	B.S. #	H.I. Color	F.S. Time	ELEV. Hor. Ang.	Remarks
112+00-N N-2					Range Line 112+00-N

76L298 307 8-53

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		Remarks
Inst. Sight At On	#	Color	Time	Hor. Ang.		
	1	32.0 ✓ 27.8	8:01	59° 23'	2366 ✓	Zero Adj. -0.6
	2	31.2 ✓ 27.0		57° 30'	2198 ✓	Boat Adj. +1.0
	3	30.0 ✓ 25.8		56° 01'	2077 ✓	Tide -4.6
	4	29.2 ✓ 25.0		54° 12'	1941 ✓	-4.2
	5	27.7 ✓ 23.5		52° 02'	1794 ✓	
	6	26.7 ✓ 22.5		49° 50'	1659 ✓	
	7	25.3 21.1		47° 33'	1530 ✓	
	8	23.9 ✓ 19.7		45° 08'	1407 ✓	
	9	22.5 ✓ 18.3		42° 19'	1275 ✓	
	10	21.4 ✓ 17.2		39° 10'	1140 ✓	
	11	20.2 ✓ 16.0		36° 15'	1027 ✓	
	12	18.5 ✓ 14.3		34° 28'	961 ✓	
	13	17.8 ✓ 13.6		33° 25'	924 ✓	
	14	16.4 ✓ 12.2		32° 35'	895 ✓	
	15	15.7 ✓ 11.5		31° 28'	857 ✓	
	16	14.7 ✓ 10.5		30° 31'	825 ✓	
	17	13.2 9.0		29° 40'	797 ✓	
	18	11.4 ✓ 7.2		28° 52'	772 ✓	
	19	10.3 ✓ 6.1	8:05	28° 00'	744 ✓	

98+00 N-4

Angle This side

N-4

Cut in 112+00 -N

98+00

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 10 F.B. 2302 Pg. 161
No. ____ Date ____ Date ____ Survey of Beach Erosion Study
X-Sec. Notes Chkd. ____ Checked ____ Survey by Van Deren Notes R.T. Date 8-16-55
No. ____ Date ____ Date ____ Map No. ____ Date ____

76L298 307 8-53

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Do not extend notes this side of this line.

F.B. 2302 Pg. 162 Job No. 2302.02 Division No. 10 Notes Red. Plotted
Survey of Beach Erosion Study Date 8-16-55 Date No.
Survey by Van Doren Notes R.T. Notes Chkd. Checked X-Sec.
Indexed Date Date Date No.
Profile

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks

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.

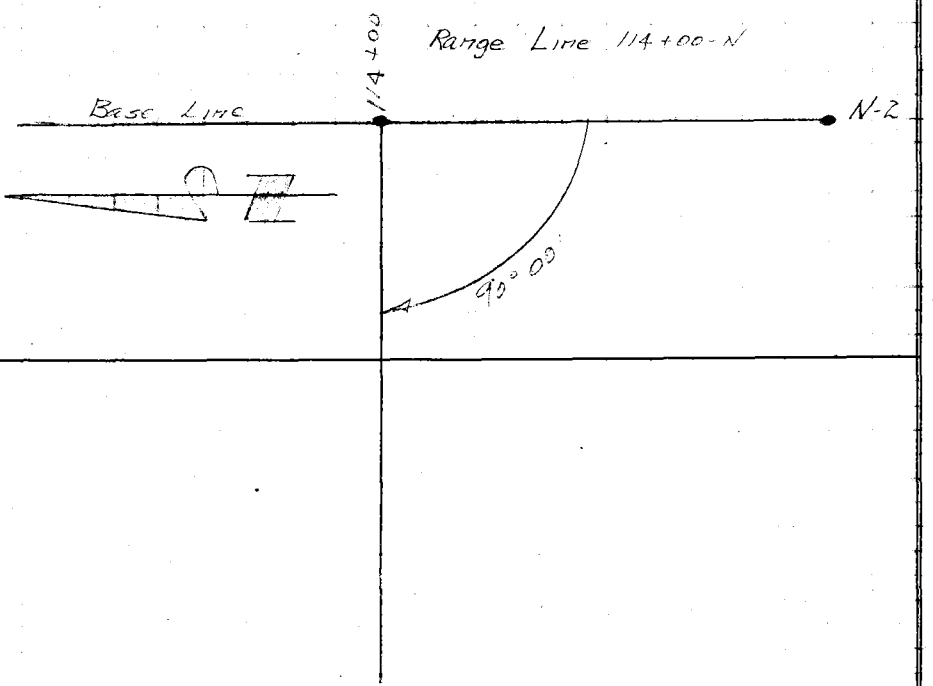
Do not extend notes this side of this line. Cut-in ∡

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at 108+00	Sight on 114+00
112+00						
T.P. 5th LINE	0 30	19 59		19 29		
T.P.	2 39	17 21	4 77	14 82		
114+00			+7 1	24 3	+11.0 -3.9 +7.1	DIRT ROAD
12 FT. LEFT			+7 0	24 2	+11.0 -4.0 +7.0	TOP FILL
25 " "			2 7	14 5		BOTTOM FILL
100 " "			1 3	15 9		
144 " "			0 4	16 8		BRK
200 " "			3 0	14 2		
300 " "			4 5	12 7		
400 " "			6 5	10 7	DIP	
500 " "			4 1	13 1		
554 " "			2 7	14 5	BRK	
600 " "			7 7	9 5		
T.P. 612 " "	0 1	8 0	9 32	7 89		
			3 2	4 8	46° 36' 635 ✓	
			10 1	-2 1	49 25 700 ✓	
			14 6	-6 6	51 21 750 ✓	
			17 9	-9 9	53 10 801 ✓	

INSHORE
N. 114+00

Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 10 F. B. 2302 Pg. 163
No. ____ Date ____ Date ____ Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. ____ Checked ____ Survey by DREIER ENGLISH Notes F.O.&E.E. Date 8-16-55
No. ____ Date ____ Date ____ Map No. ____ Date ____

Profile No. | Notes Red. | Plotted | Job No. 0300.02 Division No. 10 | F. B. 2302 Pg. 165
X-Sec. No. | Notes Chkd. | Checked | Survey of Beach Erosion
Date | Date | Survey by Van Dorn Notes J.J.E. Date 8-16-55
Date | Date | Map No. [redacted] Date



STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At OH	#	Color	Time	Hor. Ang.	
	1		8:12	90° 00'	
	2			90° 00'	
	3			90° 00'	
	4			90° 00'	
	5			90° 00'	
	6			90° 00'	
	7			90° 00'	
	8			90° 00'	
	9			90° 00'	
	10			90° 00'	
	11			90° 00'	
	12			90° 00'	
	13			90° 00'	
	14			90° 00'	
	15			90° 00'	
	16			90° 00'	
	17			90° 00'	
	18		8:16	90° 00'	
N-2					
114+00-N					

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761.298 307 8-53

F.B. 2302 PG. 166 | Job No. 0300.02 | Division No. 10 | Notes Red. | Plotted | Profile

Survey of Beach Erosion | Date | Date | No.

Survey by VanDeren | Notes J.J.E. | Notes Chkd. | Checked | X-Sec.

Indexed A. C. Johnson | Date | Date | Date | No.

STATION	B.S.	H.I.	F.S.	ELEV.	Remarks
114+00-N					
N-2					

Inst. Sight
At On
Color
Time
Hor. Ang.

Range Line 114+00-N

76L298 307 8-53

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76L298 307 8-53

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

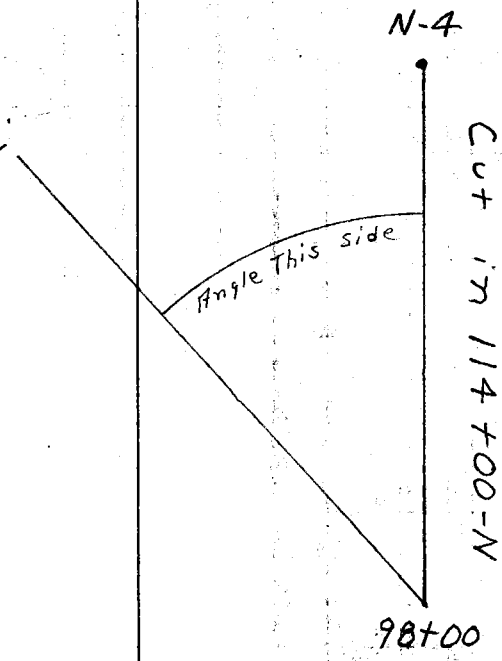
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At Ch	#	Color	Time	Hor. Ang.		Remarks
	1	32.0 ✓ 27.6	8:12	54° 50'	2271 ✓	Zero Adj. -0.7
	2	30.7 ✓ 26.3		53° 18'	2147 ✓	Boat Adj. +1.0
	3	29.9 ✓ 25.5		51° 35'	2017 ✓	Tide -4.7
	4	28.9 ✓ 24.5		50° 12'	1920 ✓	-4.4
	5	27.8 ✓ 23.4		48° 18'	1796 ✓	
	6	26.9 ✓ 22.5		46° 31'	1687 ✓	
	7	26.3 ✓ 21.9		44° 33'	1575 ✓	
	8	24.3 ✓ 19.9		42° 02'	1442 ✓	
	9	23.6 ✓ 19.2		39° 48'	1333 ✓	
	10	22.5 ✓ 18.1		37° 14'	1216 ✓	
	11	20.7 ✓ 16.3		34° 10'	1086 ✓	
	12	19.7 ✓ 15.3		32° 08'	1005 ✓	
	13	18.3 ✓ 13.9		30° 40'	949 ✓	
	14	17.0 ✓ 12.6		29° 14'	895 ✓	
	15	16.2 ✓ 11.8		28° 20'	863 ✓	
	16	15.5 ✓ 11.1		27° 32'	834 ✓	
	17	13.6 ✓ 9.2		26° 36'	801 ✓	
	18	11.8 ✓ 7.4	8:16	25° 35'	766 ✓	

98+00

N-4



Profile Notes Red. Plotted Job No. 2300.02 Division No. 10 F. B. 2302 Pg. 167
No. Date Date Survey of Beach Erosion Study
X-Sec. Notes Chkd. Checked Survey by Van Dere Notes R.T. Date 8-16-55
No. Date Date Map No. [illegible] Date

F. B. 2302 Pg. 168 Job No. 0300.02 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Study Date 8-16-55 Date No.

Survey by Van Deren Notes R.T. Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.	
Inst sight	#	Color	Time	Hor. Ang.	Remarks
At OR					

Do not extend notes this side of this line.

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726 Los Angeles County Engineering Bldg.

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76L298 307 8-53

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.

0.17

Do not extend notes this side of this line.

Sat-in X

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at 108+00	Sight on 116+00
112+00 T.P. (5th LINE)	0 30	1959		1929		
T.P.	2 39	1721	477	1482		
116+00			+82	254	DIRT ROAD	8.06
14 FT. LEFT			+82	254	TOP FILL	
26 " "			01	171	BOTTOM FILL	
70 " "			45	127		
100 " "			20	152		
140 " "			03	169	TOP HUMP	
200 " "			35	137		
300 " "			48	124		
400 " "			65	107		
500 " "			45	127		
550 " "			27	145	BRK	
600 " "			80	92		
608 " "			89	83		
T.P.	0 17	8 06	932	789		
			59	22	39° 52' 668 ✓	
			120	-39	42 44 739 ✓	
			161	-80	45 01 800 ✓	
			190	~~-110~~ -10.9	46 54 855 ✓	

INSHORE
N 116+00

Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 10 F. B. 2302 Pg. 169
No. ____ Date ____ Date ____ Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. ____ Checked ____ Survey by DREIER ENGLISH Notes G.D.&E.E. Date 8-16-55
No. ____ Date ____ Date ____ Map No. ____ Indexed G. Johnson Date ____

76L298 307 8-53

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

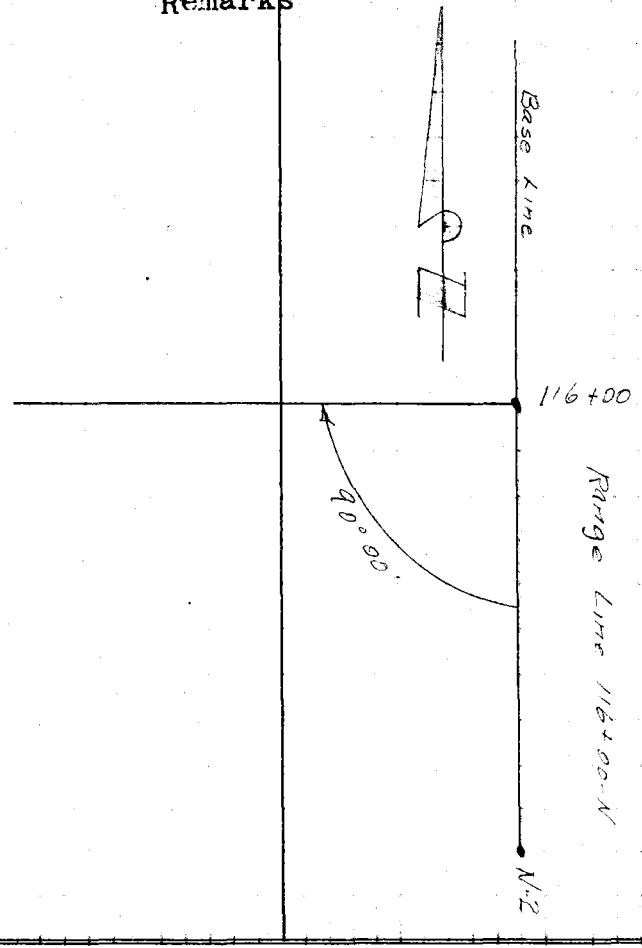
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

Profile Notes Red. Plotted Job No. 2300.02 Division No. 10 F. B. 2302 Pg. 171
No. Date. Date. Survey of Beach Erosion Date 8-16-55
X-Sec. Notes Chkd. Checked Survey by Van Dorn Notes Job E. Date
No. Date. Date. Map No. Indexed C. Johnson

STATION At On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.
Inst. Sight	1		8:23	90° 00'
	2			90° 00'
	3			90° 00'
	4			90° 00'
	5			90° 00'
	6			90° 00'
	7			90° 00'
	8			90° 00'
	9			90° 00'
	10			90° 00'
	11			90° 00'
	12			90° 00'
	13			90° 00'
	14			90° 00'
	15			90° 00'
	16			90° 00'
	17			90° 00'
	18			90° 00'
	19		8:27	90° 00'

Remarks



F. B. 2302 Pg. 172 | Job No. 300.02 Division No. 1a | Notes Red. | Plotted | Profile

Survey of Beach Erosion | Date | Date | No.

Survey by Van Deren | Notes N.J.E. | Notes Chkd. | Checked | X-Sec.

Indexed A. C. Johnson | Date | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.	Hor. Ang.	Remarks
116+00-N						
N-2						
1st sight						
At OR						
#						
Color						
Time						
						Range Line
						116+00-N

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.

761298 307 8-53

76L298 307 8-53

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

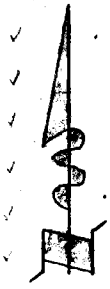
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

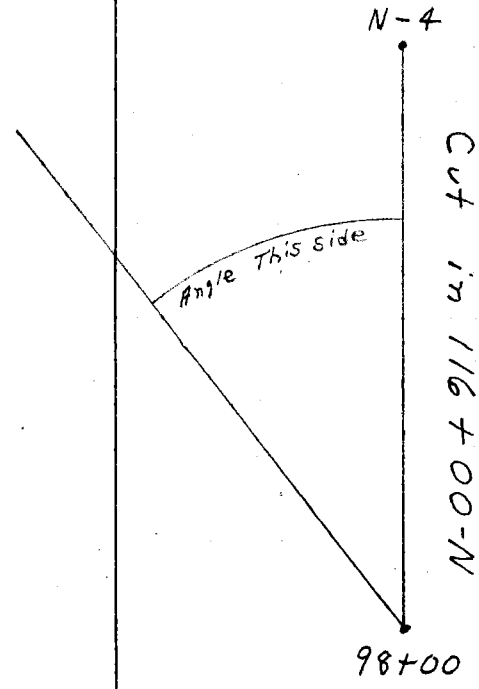
Do not extend notes this side of this line.

STATION	B. S.	H. I.		F. S.	ELEV.		
Inst. Sight At Ch	#	Color		Time	Hor. Ang.		Remarks
	1	32.7	28.4	8:23	52° 07'	2314	Zero Adj. -0.6
	2	30.6	26.3		49° 56'	2140	Boat Adj. +1.0
	3	29.5	25.2		47° 56'	1994	Tide -4.7
	4	28.2	23.9		45° 43'	1846	-4.3
	5	26.7	22.4		43° 30'	1708	
	6	25.5	21.2		41° 13'	1577	
	7	24.2	19.9		38° 55'	1453	
	8	23.5	19.2		36° 51'	1349	
	9	22.4	18.1		34° 09'	1221	
	10	21.4	17.1		31° 33'	1105	
	11	20.3	16.0		29° 54'	1035	
	12	19.3	15.0		28° 55'	994	
	13	18.8	14.5		28° 02'	958	
	14	17.9	13.6		27° 18'	929	
	15	17.4	13.1		26° 31'	898	
	16	16.1	11.8		25° 34'	843	
	17	14.9	10.6		24° 30'	820	
	18	13.9	9.6		23° 51'	796	
	19	11.7	7.4	8:27	23° 12'	771	

98+00

N-4





Profile Notes Red. Plotted Job No. 0300.02 Division No. 10 F.B. 2302 Pg. 173
No. Date Date Survey of Beach Erosion Study
X-Sec. Notes Chkd. Checked Survey by Van Deren Notes R.T. Date 8-16-55
No. Date Date Map No. Date

F. B. 2302 Pg. 174 Job No. 230012 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Study Date 8-16-55 Date No.

Survey by Van Deren Notes R.T. Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

76L298 3C7 8-53

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.		
Inst. Sight On	#	Color	Time	Hor. Ang.		Remarks
At						

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.

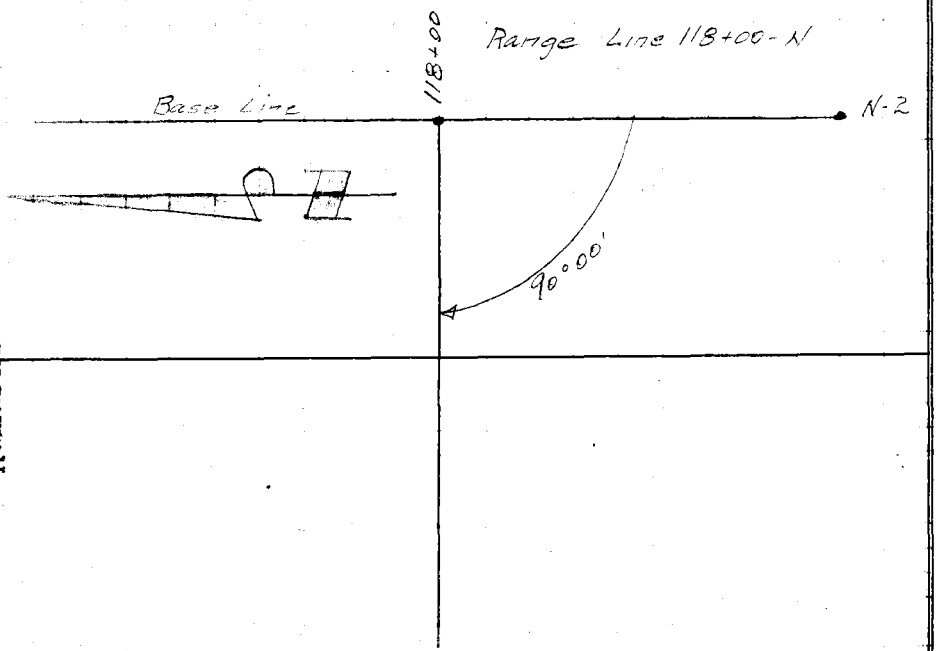
Do not extend notes this side of this line. Cut-in X

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at 114+00	Sight on 118+00
114+00 T.P. (2nd LINE)	2 39	17 21		1482		
T.P.	5 20	18 0.9	4 32	1289		
118+00			+69	250	+10.0 -3.1 +6.9	DIRT ROAD
14 FT. LEFT			+70	251	10.0 3.0 7.0	TOP FILL
32 " "			26	155		BOTTOM FILL
65 " "			48	1331		
100 " "			29	152		
145 " "			15	166		BRK
200 " "			40	141		
231 " "			52	129		BRK
300 " "			57	124		
400 " "			80	101		LOW
500 " "			50	131		
554 " "			35	146		BRK
600 " "			88	93		
T.P. 609 " "	-0 5	7 71	987	822		
			55	22	58° 34'	654 ✓
			119	-42	60 42	713 ✓
			149	-72	62 16	761 ✓
			186	-109	64 01	823 ✓

IN SHORE
N. 118+00

Profile Notes Red. Plotted Job No. 8300.02 Division No. 10 F. B. 2302 Pg. 111
No. Date Date Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. Checked Survey by BRETT ENGLISH Notes G.D.E.E. Date 8-16-55
No. Date Date Map No. Traced J. Johnson Date

Profile	Notes Red.	Plotted	Job No. 0300.02	Division No. 10	F. B. 2302	Pg. 177
No.	Date	Date	Survey of Beach Erosion			
X-Sec.	Notes Chkd.	Checked	Survey by Van Derck	Notes J.J.C.	Date 8-16-55	
No.	Date	Date	Map No.	Indexed C. Johnson	Date	



STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At On	#	Color	Time	Hor. Ang.	
	1		8:32	90°00'	
	2			90°00'	
	3			90°00'	
	4			90°00'	
	5			90°00'	
	6			90°00'	
	7			90°00'	
	8			90°00'	
	9			90°00'	
	10			90°00'	
	11			90°00'	
	12			90°00'	
	13			90°00'	
	14			90°00'	
	15			90°00'	
	16			90°00'	
	17			90°00'	
	18			90°00'	
				8:37	

N-2

118+00-N

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.

76L298 307 8-53

F. B. 2302 PG. 178 Job No. 030002 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Date Date No.

Survey by Van Deren Notes J. J. E. Notes Chkd. Checked X-Sec.

Indexed A. C. Johnson Date Date Date No.

76L298 307 8-53

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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.		
Inst. Sight At On	#	Color	Time	Hor. Ang.		Remarks
118+00-N						
N-2						
					Range Line	118+00-N

76L298 307 8-53

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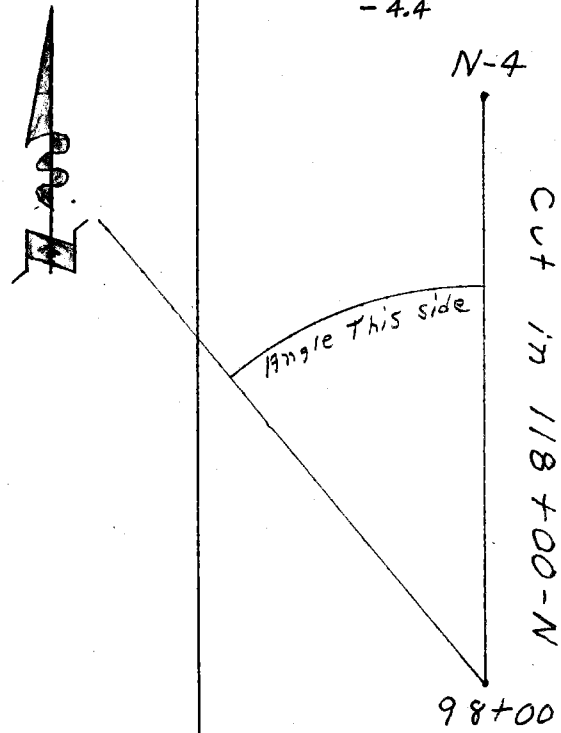
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.		
Inst. Sight At On	#	Color		Time	Hor. Ang.		Remarks
	1	32.5	28.1	8:32	49° 00'	2301	Zero Adj. -0.7
	2	voiduh			46° 11'	2084	Boat Adj. +1.0
	3	28.0	23.6		42° 42'	1846	Tide -4.7
	4	26.5	22.1		40° 19'	1697	-4.4
	5	25.5	21.1		38° 03'	1565	
	6	24.6	20.2		35° 54'	1448	
	7	23.1	18.7		33° 24'	1319	
	8	21.6	17.2		31° 02'	1203	
	9	21.2	16.9		29° 12'	1118	
	10	20.6	16.2		28° 00'	1063	
	11	20.1	15.7		27° 05'	1023	
	12	19.2	14.8		26° 15'	986	
	13	18.2	13.8		25° 17'	945	
	14	17.7	13.3		24° 30'	911	
	15	17.2	12.8		23° 54'	886	
	16	15.7	11.3		22° 54'	845	
	17	14.8	10.4		22° 08'	813	
	18	13.4	9.0	8:37	21° 26'	785	



98+00 N-4

Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 10 F.B. 2302 Pg. 179
No. ____ Date ____ Date ____ Survey of Beach Erosion Study
X-Sec. Notes Chkd. ____ Checked ____ Survey by Van Deren Notes R.T. Date 8-16-55
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

F.B. 2302 Pg. 110 | Job No 2300.02 Division No. 10 | Notes Red. | Plotted | Profile

Survey of Beach Erosion Study | Date 8-16-55 | Date | No.

Survey by Van Deren | Notes R.T. | Notes Chkd. | Checked | X-Sec.

Indexed | Date | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight					
At OH	#	Color	Time	Hor. Ang.	

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 8-53

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. Cut-in ∡

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at 128+00		Sight on 120+00
116+00 T.P. 2nd LINE	2 39	17 21		14 82			
T.P.	5 20	18 09	4 32	12 89			
120+00			+67	248	+12.2 -5.5 +6.7		DIRT ROAD
15 FT. LEFT			+66	247		+12.1 -5.5 +6.6	TOP FILL
28 " "			30	151			BOTTOM FILL
66 " "			48	133			LOW.
100 " "			35	146			
140 " "			15	166			
200 " "			17	164			
300 " "			38	143			
400 " "			63	118			
500 " "			47	134			
554 " "			35	146			BRK
600 " "			92	89			
608 " "			103	78			
T.P.	-0 5	7 7	9 87	8 22			
			6 2	1 5	39° 59'	671 ✓	
			2 2	-4 5	42 43	739 ✓	
			15 8	-8 1	44 46	794 ✓	
			19 0	-11 3	46 24	840 ✓	

INSHORE
N. 120+00

Profile Notes Red. ____ Plotted ____ Job No. 030002 Division No. 10 F. B. 2302 Pg. 181
No. ____ Date ____ Date ____ Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. ____ Checked ____ Survey by DREIER ENGLISH Notes G.D.&E.E. Date 8-16-55
No. ____ Date ____ Date ____ Map No. ____ Indexed E. C. Johnson Date ____

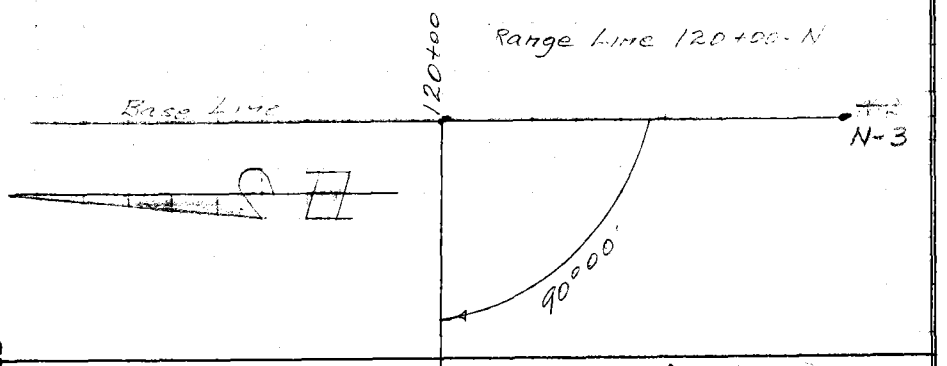
Profile No. | Notes Red. | Date | Plotted | Date | Job No. 0300.02 | Division No. 10 | Survey of Beach Erosion | F. B. 2302 | Pg. 183

X-Sec. No. | Notes Chkd. | Date | Checked | Date | Survey by Van Dorn | Notes J.V.E. | Date 8-16-55 | Map No. [redacted] Johnson | Date

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

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

Do not extend notes this side of this line.



Station	B. S.	H. I.	F. S.	Elev.	Remarks
Inst. Sight At or	#	Color	Time	Hor. Ang.	
	1		8:49	90°00'	
	2			90°00'	
	3			90°00'	
	4			90°00'	
	5			90°00'	
	6			90°00'	
	7			90°00'	
	8			90°00'	
	9			90°00'	
	10			90°00'	
	11			90°00'	
	12			90°00'	
	13			90°00'	
	14			90°00'	
	15			90°00'	
	16			90°00'	
	17			90°00'	
	18			90°00'	
	19		8:54	90°00'	
N-2					
120+00-N					

761.298 307 8-53

F.B. 2302 Pg. 184 Job No. 0300.02 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Date Date No.

Survey by Van Deren Notes J.J.E Notes Chkd. Checked X-Sec.

Indexed E. C. Johnson Date Date Date No.

76L298 307 8-53

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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.		
Inst. Sight At On	#	Color	Time	Hor. Ang.		Remarks
120+00-N						
N-Z						
					Range Line	
						120+00-N

76L298 307 8-53

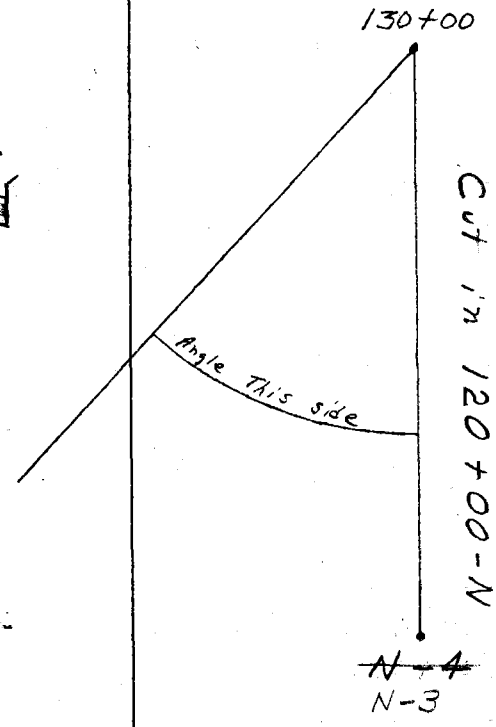
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.	
Inst. Sight At On	#	Color		Time	Hor. Ang.	
	1	32.2	28.0	8:49	67° 48'	2450
	2	31.3	27.0		66° 35'	2309
	3	29.9	25.6		65° 23'	2183
	4	29.2	24.9		64° 03'	2055
	5	28.2	23.9		62° 37'	1931
	6	27.3	23.0		61° 02'	1807
	7	26.2	21.9		59° 25'	1692
	8	25.2	20.9		57° 37'	1577
	9	24.1	19.8		55° 26'	1451
	10	23.0	18.7		52° 47'	1317
	11	21.7	17.4		50° 00'	1192
	12	21.0	16.7		48° 08'	1116
	13	20.0	15.7		46° 38'	1059
	14	18.9	14.6		45° 28'	1016
	15	18.3	14.0		44° 23'	979
	16	17.5	13.2		43° 18'	942
	17	16.6	12.3		42° 03'	902
	18	15.5	11.2		40° 36'	857
	19	14.6	10.3	8:54	39° 30'	824

Remarks Zero Adj. -0.7
Boat Adj. +1.0
Tide -4.6
-4.3



130+00

N-4

Profile Notes Red. Plotted Job No. 0300.02 Division No. 10 F.B. 2302 Pg. 185
No. Date Date Survey of Beach Erosion Study
X-Sec. Notes Chkd. Checked Survey by Van Deren Notes R.T. Date 8-16-55
No. Date Date Map No. Indexed C. Johnson Date

F.B. 2302 PG. 186 | Job No. 2300.07 | Division No. 10 | Notes Red. | Plotted | Profile

Survey of Beach Erosion Study | Date 8-16-55 | Date | No.

Survey by Van Deren | Notes R.T. | Notes Chkd. | Checked | X-Sec.

Indexed | Date | Date | Date | No.

STATION	B.S.	H.I.	F.S.	ELEV.	Remarks
Inst. Sight On	#	Color	Time	Hor. Ang.	

Do not extend notes this side of this line.

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

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 Los Angeles County Engineering Bldg.

76L298 3C7 8-53

76L298 S & E #307 9-54

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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.

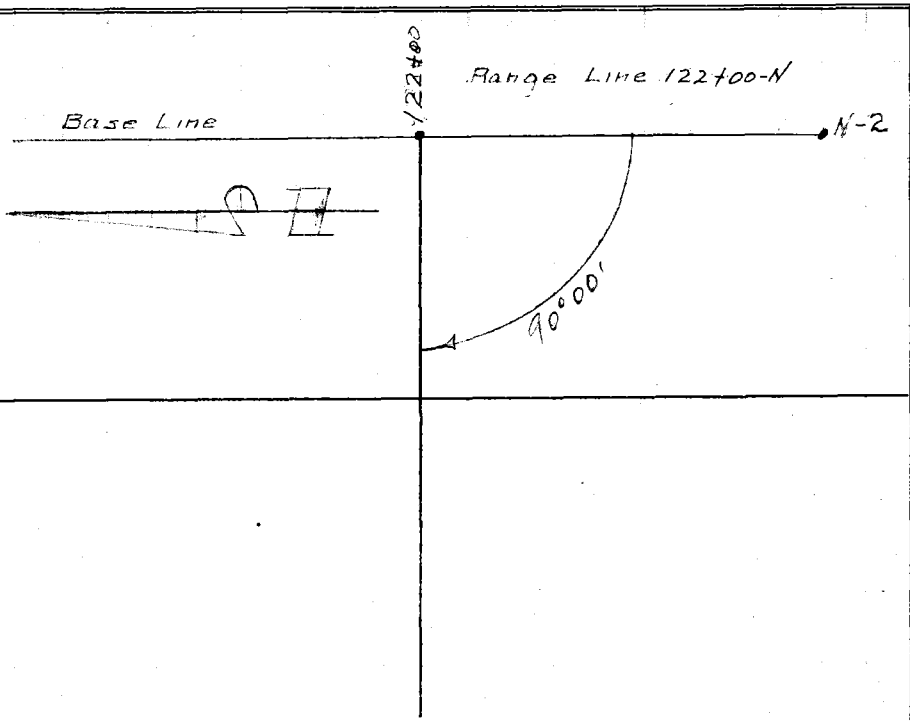
Cut-in X

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at 128+00	Sighton 122+00
120+00						
T.P. (2nd LINE)	5 20	18 09		12 89		
T. P	4 70	20 63	2 16	15 93		
122+00			+43	24 9	+10.0 5.7 4.3	DIRT ROAD
16 FT. LEFT.			+41	24 7	10.0 5.9 4.1	TOP FILL
35 " "			68	13 8		BOTTOM "
67 " "			7'0	13 6		BRK, LOW
100 " "			44	16 2		
200 " "			49	15 7		
300 " "			42	16 4		
400 " "			59	14 7		
445 " "			69	13 7		BRK
500 " "			63	14 3		
557 " "			62	14 4		BRK
T.P. 600 " "	-0 9	16	1215	8 48		
			61	1 5	47° 33' 656	
			122	-4 6	50 23 725	
			155	-7 9	52 21 778	
			185	-10 9	53 49 820	

INSHORE
N. 122+00

Profile Notes Red. Plotted Job No. 300.02 Division No. 10 F. B. 2302 Pg. 167
No. Date Date Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. Checked Survey by ENGLISH DREIER Notes G.D.EE. Date 8-16-55
No. Date Date Map No. Richard Johnson Date

Profile	Notes Red.	Plotted	Job No. 0300.02	Division No. 10	F. B. 2302 Pg. 189
No.	Date	Date	Survey of Beach Erosion		
X-Sec.	Notes Chkd.	Checked	Survey by Van Deren	Notes J.J.E.	Date 8-16-55
No.	Date	Date	Map No.	Indexed A. C. Johnson	Date



STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At	#	Color	Time	Hor. Ang.	
	1		9:03	90°00'	
	2			90°00'	
	3			90°00'	
	4			90°00'	
	5			90°00'	
	6			90°00'	
	7			90°00'	
	8			90°00'	
	9			90°00'	
	10			90°00'	
	11			90°00'	
	12			90°00'	
	13			90°00'	
	14			90°00'	
	15			90°00'	
	16			9:06	90°00'

N-2

122+00-N

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

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

Do not extend notes this side of this line.

76L298 307 8-53

F.B. 2302 PG. 190 Job No. 030002 Division No. 10 Notes Red. ____ Plotted ____ Profile

Survey of Beach Erosion Date ____ Date ____ No. ____

Survey by Van Deren Notes J.J.E. Notes Chkd. ____ Checked ____ X-Sec.

Indexed A. C. Johnson Date ____ Date ____ Date ____ No. ____

Inst. Sight At / On	#	Color	Time	Hor. Ang.	Remarks
STATION	B.S.	H.I.	F.S.	ELEV.	
122+00-N / N-2					Range Line 122+00-N

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 8-53

76L298 307 8-53

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

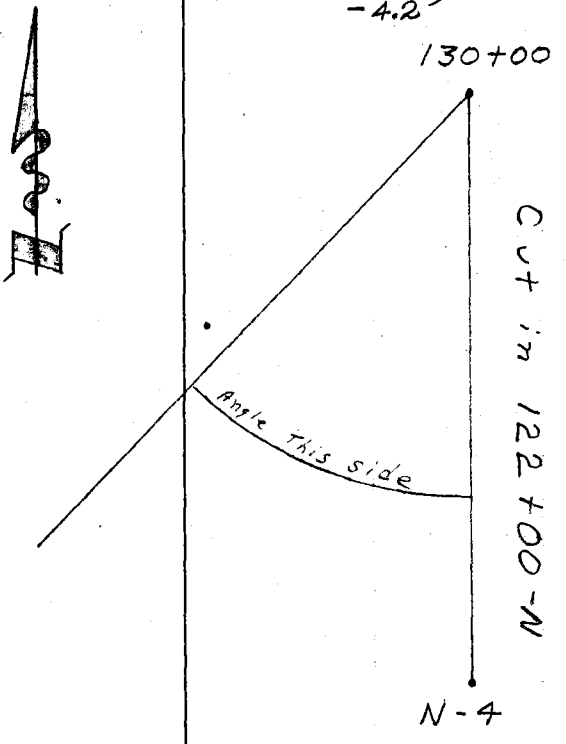
Do not extend notes this side of this line.

Profile Notes Red. _____ Plotted _____ Job No. 0300.02 Division No. 10 F. B. 3302 Pg. 191
No. _____ Date _____ Date _____ Survey of Beach Erosion Study
X.Sec. Notes Chkd. _____ Checked _____ Survey by Van Dorn Notes R.T. Date 8-16-55
No. _____ Date _____ Date _____ Map No. _____ Andrew Johnson Date _____

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.		Remarks
	1	30.7 26.5	9:03	69° 36'	2151 ✓	Zero Adj. -0.7 ✓
	2	28.7 24.5		67° 36'	1941 ✓	Boat Adj. +1.0 ✓
	3	27.6 23.4		65° 55'	1790 ✓	Tide -4.5 ✓
	4	26.2 22.0		63° 52'	1631 ✓	-4.2
	5	24.9 20.7		61° 58'	1502 ✓	
	6	23.4 19.2		59° 50'	1376 ✓	
	7	22.7 18.5		57° 22'	1249 ✓	
	8	21.4 17.2		55° 11'	1150 ✓	
	9	20.4 16.2		53° 02'	1063 ✓	
	10	19.2 15.0		51° 28'	1003 ✓	
	11	18.5 14.3		50° 50'	982 ✓	
	12	18.2 14.0		49° 37'	941 ✓	
	13	17.6 13.4		48° 35'	907 ✓	
	14	16.5 12.3		47° 29'	873 ✓	
	15	15.4 11.2		46° 25'	841 ✓	
	16	14.1 9.9	9:06	45° 06'	803 ✓	

N-4

130+00



Fr. Bk. 2302 Pg. 192 Job No. 0300.02 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Study Date 8-16-55 Date No.

Survey by Van Doren Notes R.T. Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. Sight On # Color Time Hor. Ang. Remarks

PLEASE RETURN TO
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726 LOS ANGELES COUNTY ENGINEERING BLDG.

761.298 307 8-53

NOTE: ANY ADDITIONS 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.

76L298 S & E #307 9-54

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line. Cut-in

STATION	B. B.	H. I.	F. B.	ELEV.	Inst. at 128+00	Sight on 124+00
120+00						
T.P. (2nd LINE)	5 20	18 09		12 89		
T.P.	4 70	20 63	2 16	15 93		
124+00			+4 2	24 8	+9.3 -5.1 +4.2 DIRT ROAD	
16 FT. LEFT			+3 9	24 5	+9.3 -5.4 +3.9 TOP FILL	
31 " "			6 4	14 2	BOTTOM "	
70 " "			6 1	14 5		
100 " "			3 5	17 1		
120 " "			3 1	17 5	BRK HUMP	
200 " "			6 6	14 0		
300 " "			5 7	14 9		
400 " "			6 8	13 8		
500 " "			6 1	14 5		
557 " "			6 5	14 1	BRK	
600 " "			12 5	8 1	NEAR WATER	
T.P.	-0 9	7 6	12 15	8 48		
			6 7	0 9	59° 03' 667 ✓	
			12 8	-5 2	61 08. 726 ✓	
			15 9	-8 3	62 47. 778 ✓	
			19 0	-11 4	64 14. 829 ✓	

INSHORE
N. 124+00

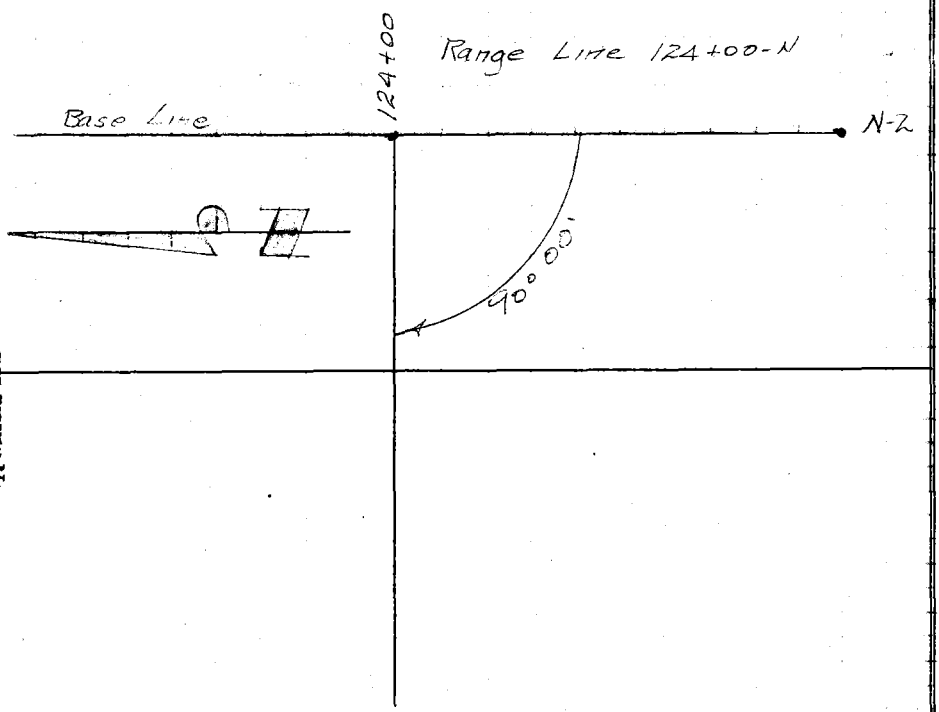
Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 10 F. B. 2302 Pg. 193
No. ____ Date ____ Date ____ Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. ____ Checked ____ Survey by DREIER ENGLISH Notes G. DEE Date 8-16-55
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 2300.02 Division No. 10 | F. B. 2302 Pg. 195

X-Sec. No. ____ Date ____ Date ____ Survey of Beach Erosion

Notes Chkd. ____ Checked ____ Survey by Van Deren Notes J.J.E. Date 8-16-55

Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____



STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At OR	#	Color	Time	Hor. Ang.	
	1		9:13	90°00'	
	2			90°00'	
	3			90°00'	
	4			90°00'	
	5			90°00'	
	6			90°00'	
	7			90°00'	
	8			90°00'	
	9			90°00'	
	10			90°00'	
	11			90°00'	
	12			90°00'	
	13			90°00'	
	14			90°00'	
	15			90°00'	
	16			90°00'	
	17			90°00'	
				9:17	

N-2

124+00-N

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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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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76L298 307 8-53

F.B. 2302 Pg. 196 | Job No. 9300.02 Division No. 10 | Notes Red. | Plotted | Profile

Survey of Beach Erosion | Date | Date | No.

Survey by Van Deren | Notes V.V.E. | Notes Chkd. | Checked | X-Sec.

Indexed K. C. Johnson | Date | Date | Date | No.

76L298 307 8-53

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STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
124+00-N					
N-2					

Range Line 124+00-N

Instrument At Sight On # Color Time Hor. Ang.

76L298 307 8-53

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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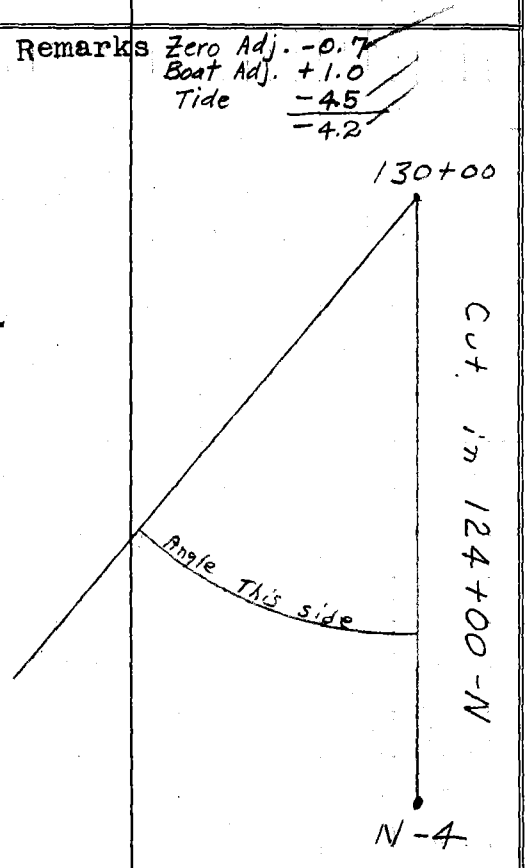
Profile Notes Red. Plotted Job No. Division No. 10 F. B. 3302 Pg. 197
No. Date Date Survey of Beach Erosion Study
X-Sec. Notes Chkd. Checked Survey by Van Deren Notes H.T. Date 8-16-65
No. Date Date Map No. Traced J. Johnson Date

STATION	B. S.	H. I.	F. S.	ELEV.	Hor. Ang.	Remarks
Inst. Sight At Ch	#	Color	Time			Zero Adj. -0.7 Boat Adj. +1.0 Tide -4.5 -4.2
130+00 N-4	1	30.8 ✓ 26.6	9:13	74° 32'	2168 ✓	
	2	29.6 ✓ 25.4		73° 22'	2008	
	3	28.7 ✓ 24.5		72° 22'	1888 ✓	
	4	27.5 ✓ 23.3		71° 14'	1766 ✓	
	5	25.6 ✓ 21.4		69° 37'	1615 ✓	
	6	25.0 ✓ 20.8		68° 09'	1496 ✓	
	7	23.6 ✓ 19.4		66° 15'	1364 ✓	
	8	22.5 ✓ 18.3		64° 29'	1257 ✓	
	9	21.1 ✓ 16.9		62° 16'	1141 ✓	
	10	19.9 ✓ 15.7		60° 25'	1057 ✓	
	11	19.3 ✓ 15.1		59° 03'	1001 ✓	
	12	17.6 ✓ 13.4		57° 35'	945 ✓	
	13	17.1 ✓ 12.5		56° 38'	911 ✓	
	14	16.1 ✓ 11.9		55° 28'	872 ✓	
	15	15.3 ✓ 11.1		54° 27'	840 ✓	
	16	13.4 ✓ 9.2	↑	53° 12'	802 ✓	
	17	11.7 ✓ 7.5	9:17	52° 01'	768 ✓	



F.B. 2302 Pg. 198 Job No. 2300.02 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Study Date 8-16-55 Date No.

Survey by Van Deren Notes R.T. Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At	#	Color	Time	Hor. Ang.	

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76L298 307 8-53

Notes Ck'd by	Survey of Beach Erosion
Map No.	W. O. Tape No. St'd. °F
Office Work	Surveyed by Van Derem
Checked	Notes V.N.E Date
Date	Indexed A. C. Johnson

F. B. 2502 PG. 198A

August 17, 1950

Time	Tide	Standard Time
5:00	0.9	
5:30	1.5	
6:00	2.1	
6:30	2.8	
7:00	3.3	
7:30	4.2	
8:00	4.6	
8:30	4.7	
9:00	4.9	
9:30	4.8	
10:00	4.6	
10:30	4.3	
11:00	4.1	

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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726 LOS ANGELES COUNTY
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76F3005 247 4-53

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ENGINEERING BLDG.

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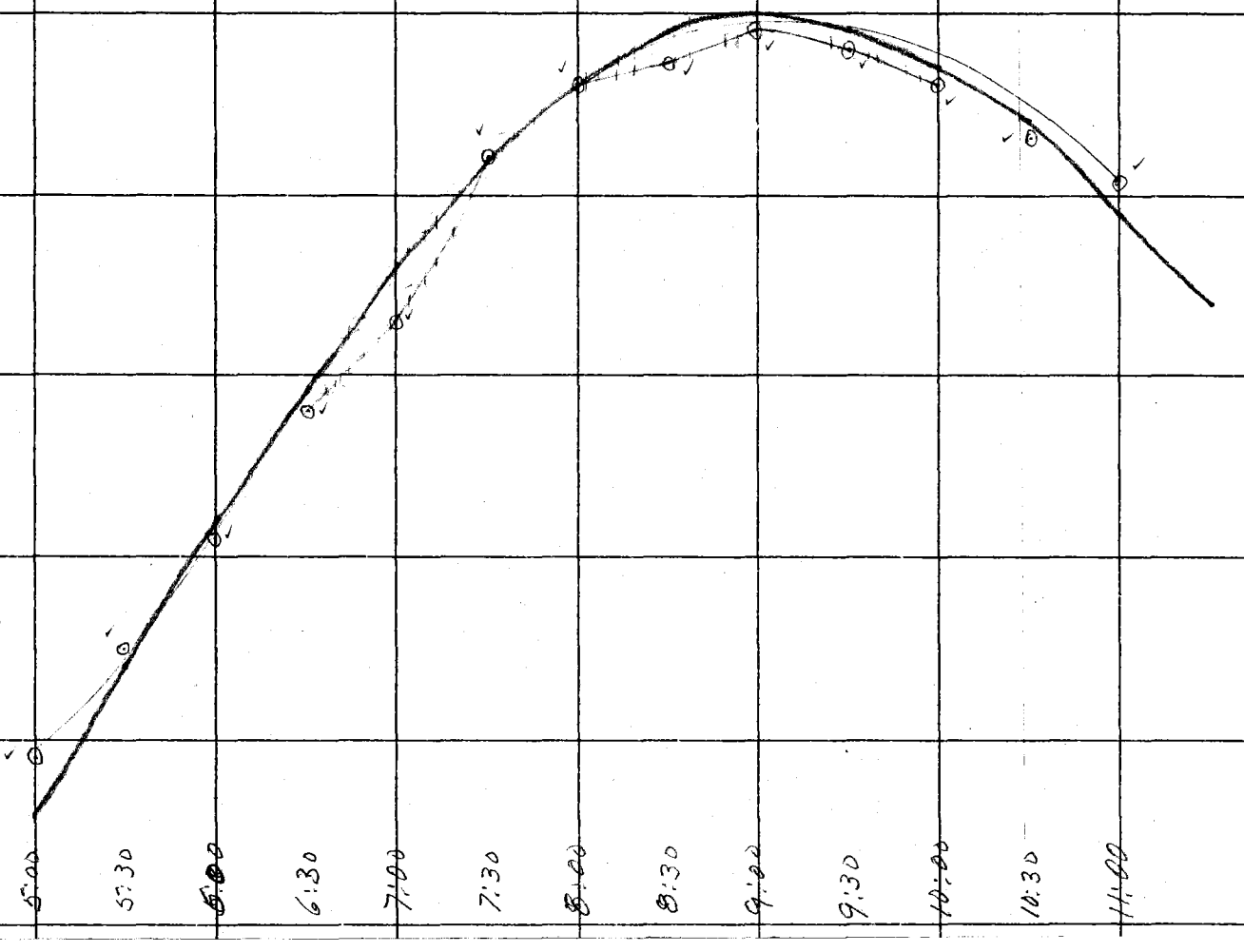
F. B. 2230 PG. 198 B

Blue Curve from USC&GS Tide Tables



76L298 S & E #307 9-54

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
124+00						
T. P. (LINE 2)	4 7 0	20 63		1593		
T. P.	9 1 8	29 13	0 6 8	1995	ON LARGE BOULDER	
126+00			4 8	24 3		ON DIRT ROAD
15 FT LEFT			4 9	24 2		TOP FILL
30 " "			1 4 0	15 1 1		BOTTOM FILL
63 " "			1 4 1	15 0		BRK
100 " "			1 0 8	18 3		
144 " "			1 1 3	17 8 1		
200 " "			1 5 0	14 1 1		
T. P.	4 7 7	18 9 0	1 5 0 0	14 13		
231 FT. LEFT			6 0	12 9		BRK
300 " "			5 6	13 3 1		
400 " "			6 1	12 8 1		
500 " "			4 9	~~140~~ 160		
555 " "			3 9	15 0		
600 " "			1 0 6	8 3		
T.P. 622 " "			1 3 0 3	5 8 7		

INSHORE
N. 126+00

Profile Notes Red. Plotted Job No. 0300.02 Division No. 10 F. B. 2302 Pg. 19
No. Date Date Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. Checked Survey by ENGLISH Noted G.D.E.E. Dated 8-17-54
No. Date Date Map No. Andrew Johnson Date

F. B. 2302 Pg. 200 Job No. 0300.02 Division No. 10 Notes Red. _____ Plotted _____ Profile

Survey of Beach Erosion Date _____ Date _____ No. _____

Survey by EE&GD Notes EE&GD Notes Chkd. _____ Checked _____ X-Sec.

Indexed ~~R. O. Johnson~~ Date _____ Date _____ Date _____ No. _____

STATION	B. S.	H. I.	F. S.	ELEV.	
T.P.	20	7.9			
			5.1		
			10.9	-3.0	
			15.0	-7.1	
			18.0	-10.1	
					Est at 122+00
					Sight on 126+00

76L298 S & E #307 9-54

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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126

Profile No. ____ Notes Red. ____ Date ____ Plotted ____ Date ____ Job No. 0300.02 Division No. 10 F. B. 2302 Pg. 201

X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of Beach Erosion

Survey by Vanderen Notes V.N.E. Date 8-17-55

Map No. ____ Indexed C. Johnson Date ____

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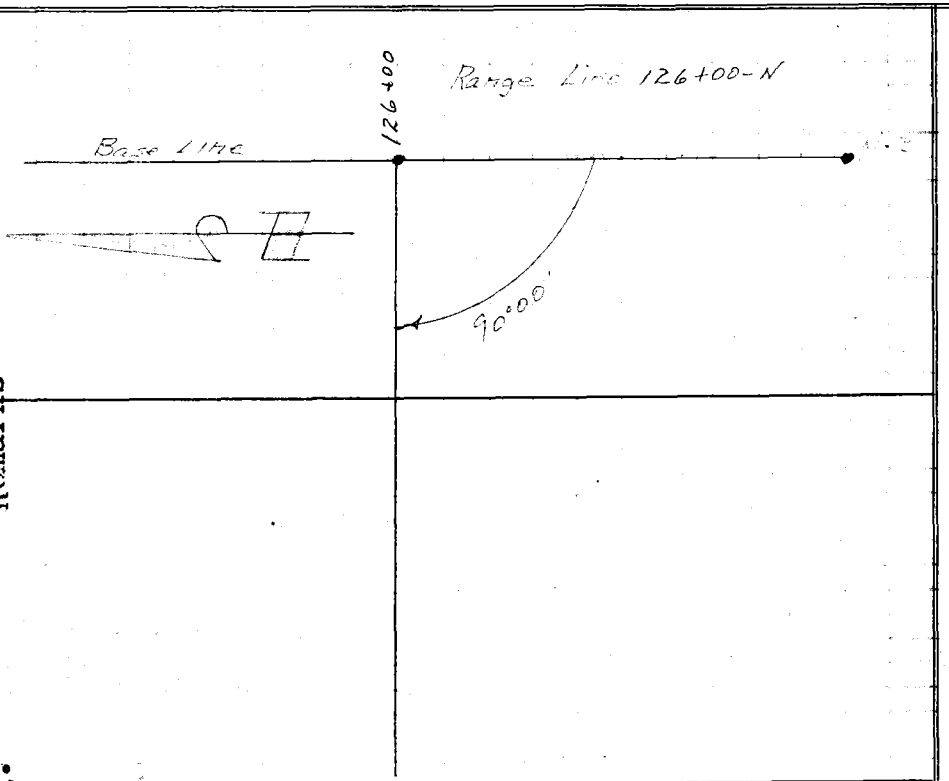
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.	Remarks
Inst. Sight At ON	#	Color	Time	Hor. Ang.	
	1		5:34	90°00'	
	2			90°00'	
	3			45°00'	
	4			90°00'	
	5			90°00'	
	6			90°00'	
	7			90°00'	
	8			90°00'	
	9			45°00'	
	10			90°00'	
	11			90°00'	
	12			90°00'	
	13			90°00'	
	14			90°00'	
	15			90°00'	
	16			45°00'	
	17			90°00'	
	18			90°00'	
	19			90°00'	
	20			45°00'	

K-3

126+00-N

761298 307 8-53

F.B. 2302 Pg. 202 Job No. 0300.02 Division No. 12 Notes Red. Plotted Profile

Survey of Beach Erosion Date Date No.

Survey by Van Deren Notes J.J.E. Notes Chkd. Checked X-Sec.

Indexed C. Johnson Date Date Date No.

76L298 307 8-53

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
126+00-N	21			90° 00'		
	22			90° 00'		
	23			90° 00'		
	24			90° 00'		
	25			90° 00'		
	26			90° 00'		
	27		6:37	90° 00'		
					Range Line	126+00-N

76L298 307 8-53

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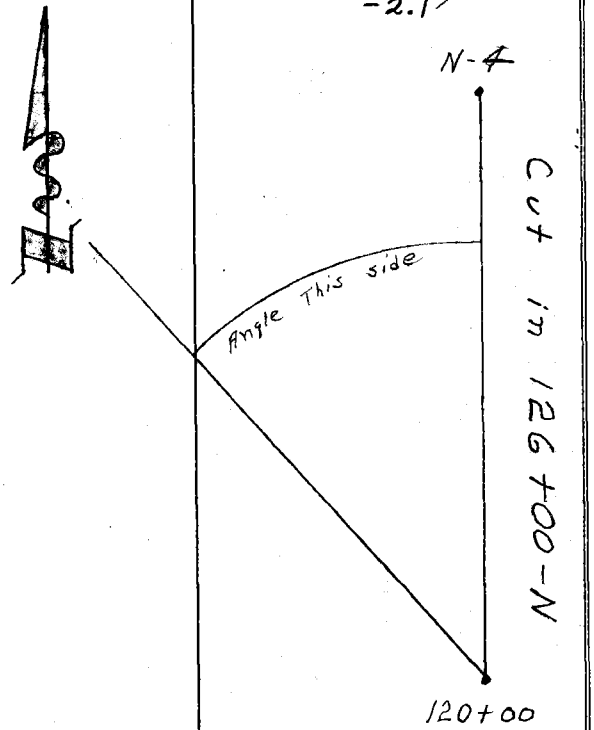
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	
Inst. Sight At Ch	#	Color	Time	Hor. Ang.	
	1	32.9 ✓ 30.8	6:34	76° 48'	2558 ✓
	2	30.8 ✓ 28.7		75° 50'	2377 ✓
	3	29.7 ✓ 27.6		75° 06'	2255 ✓
	4	28.5 ✓ 26.4		74° 22'	2144 ✓
	5	27.8 ✓ 25.7		73° 36'	2039 ✓
	6	26.8 24.7		72° 42'	1926 ✓
	7	25.9 ✓ 23.8		71° 47'	1823 ✓
	8	25.0 ✓ 22.9		70° 36'	1704 ✓
120+00 N-4	9	24.1 ✓ 22.0		69° 47'	1629 ✓
	10	23.7 ✓ 21.6		68° 44'	1542 ✓
	11	22.7 20.6		67° 14'	1430 ✓
	12	22.0 ✓ 19.9		65° 47'	1334 ✓
	13	21.0 ✓ 18.9		64° 11'	1240 ✓
	14	20.3 ✓ 18.2		62° 32'	1154 ✓
	15	18.9 ✓ 16.8		61° 03'	1085 ✓
	16	18.0 ✓ 15.9		60° 07'	1044 ✓
	17	17.8 ✓ 15.7		59° 26'	1016 ✓
	18	17.3 ✓ 15.2		58° 58'	997 ✓
	19	16.6 ✓ 14.5		58° 15'	970 ✓
	20	16.1 14.0		57° 49'	953 ✓

Remarks Zero Adj. -0.2
Boat Adj. +1.0
Tide -2.9 (blue 3.1)
-2.1



Profile Notes Red. Plotted Job No. 0300.02 Division No. 10 F.B. 2302 Pg. 203
No. Date Date Survey of Beach Erosion Study
X-Sec. Notes Chkd. Checked Survey by Van Deren Notes R.T. Date 8-17-55
No. Date Date Map No. Date

76L298 307 8-53

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726 Los Angeles County Engineering Bldg.

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F.B. 2302 Pg. 244 Job No. 0300.02 Division No. 10 Notes Red. Plotted
Survey of Beach Erosion Study Date 8-17-55 Date No. X-Sec.
Survey by Van Deren Notes R.T. Notes Chkd. Checked
Indexed E. C. Johnson Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.		Remarks	
Inst. Sight At On	# Color	Time	Hor. Ang.				
	21 15.4 ✓	13.3		56° 54'	920 ✓	Cut in	126+00-N
	22 14.7 ✓	12.6		56° 12'	896 ✓		
	23 13.7 ✓	11.6		55° 20'	868 ✓		
	24 12.8 ✓	10.7		54° 38'	845 ✓		
	25 11.9 ✓	9.8		53° 49'	820 ✓		
	26 10.7 ✓	8.6		53° 00'	796 ✓		
	27 9.2 ✓	7.1	6:39	51° 48'	762 ✓		
120+00 N							
N-4							

76L298 S & E #307 9-54

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
124+00						
T. P.	4 70	2063		1593		
T. P.	9 18	29 13	0 68	19 95	ON LARGE B	
128+00			47	24 4	ON DIRT ROAD	
14 FT. LEFT			414	24 7	TOP FILL	
33 " "			145	14 6	BOTTOM "	
60 " "			142	149	BRK	
100 " "			99	192		
125 " "			100	191	BRK	
200 " "			150	141		
T. P.	477	18 90	1500	1413		
250 FT. LEFT			58	131		
300 " "			56	133		
338 " "			50	1391	BRK	
400 " "			59	1301		
500 " "			52	137		
555 "			40	1491		
578			69	1201		
600			110	791		
T. P.			1303	587		

INSHORE
N. 128+00

Profile Notes Red. Plotted. Job No. 230002 Division No. 10 F. B. 2302 Pg. 205
No. Date. Date. Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. Checked. Survey by ENGLISH Notes GOODE Date 8-17-55
No. Date. Date. Map No. Traced Johnson Date.

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.

F. B. 2302 Pg. 106 Job No. 0300.04 Division No. 10 Notes Red. Plotted Profile No.
Survey of Beach Erosion Date Date X-Sec. No.
Survey by EE & GD Notes EE & GD Notes Chkd. Checked
Indexed by Tolman Date Date Date

STATION	B. S.	H. I.	F. S.	ELEV.	Instr. at 122+00	Sight on 128+00
T.P.	2 0	7 9		5 9		
			3 0	4 9	96 02	622 ✓
			10 7	-2 8	99 23	700 ✓
			14 7	-6 8	50 56	739 ✓
			16 8	-8 9	52 11	773 ✓
			18 0	-10 1	53 01	797 ✓

Profile No. | Notes Red. | Date | Plotted | Date | Job No. 0300.02 | Division No. 10 | F. B. 2302 | Pg. 207

X-Sec. No. | Notes Chkd. | Date | Checked | Date | Survey of Beach Erosion | Survey by Van Doren | Notes J.V.E. | Date 8-17-53 | Map No. | Indexed E. G. Johnson | Date

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

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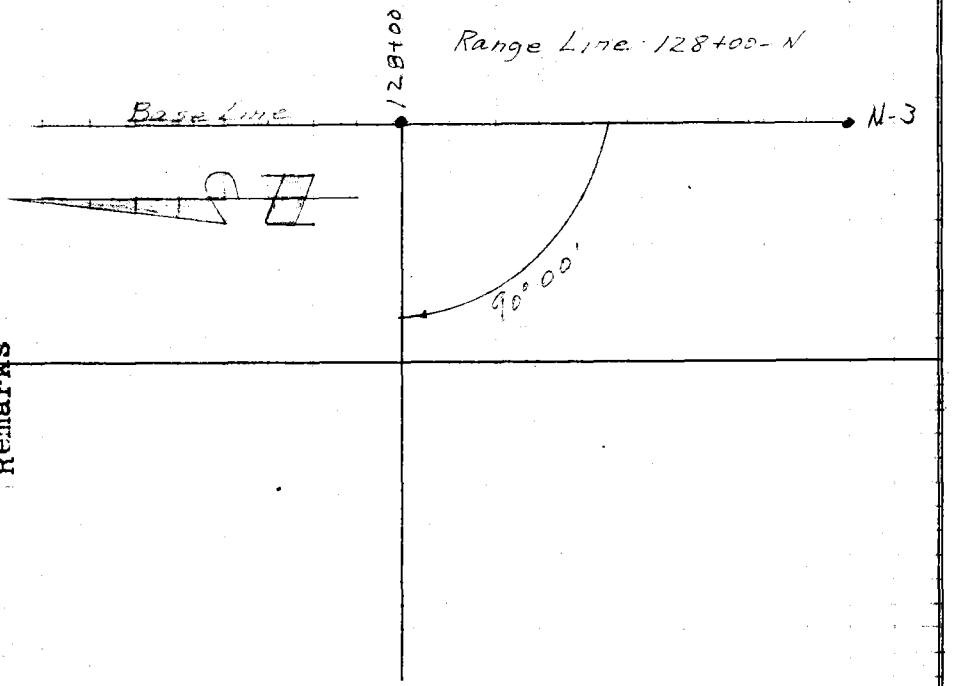
726 Los Angeles County Engineering Bldg.

Do not extend notes this side of this line.



STATION	B. S.	H. I.	F. S.	ELEV.	Hor. Ang.	Remarks
Inst. Sta.	#	Color	Time			
At ON	1		6:44			
	2					
	3					
	4					
	5				90° 06'	
	6				90° 55'	
	7				23° 33'	
	8				90° 58'	
	9				23° 33'	
	10				90° 03'	
	11				90° 03'	
	12				90° 03'	
	13				90° 58'	
	14				90° 58'	
	15				23° 33'	
	16				90° 03'	
	17				90° 00'	
	18				90° 00'	
	19				90° 00'	
	20		6:49		90° 03'	

N-3

128+00-N

761.298 307 8-53

F.B. 2302 PG. 208 Job No. 8300.0 Division No. 12 Notes Red. Plotted Profile

Survey of Beach Erosion Date Date No.

Survey by Van Deren Notes J.J.E. Notes Chkd. Checked X-Sec.

Indexed A. C. Johnson Date Date Date No.

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

761298 307 8-53

NOTE: ANY ADDITIONS 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.	Hor. Ang.	Remarks
Inst. Sight At OH	#	Color	Time			
128+00-N						
N-J						
						Range Line 128+00-N

76L298 307 8-53

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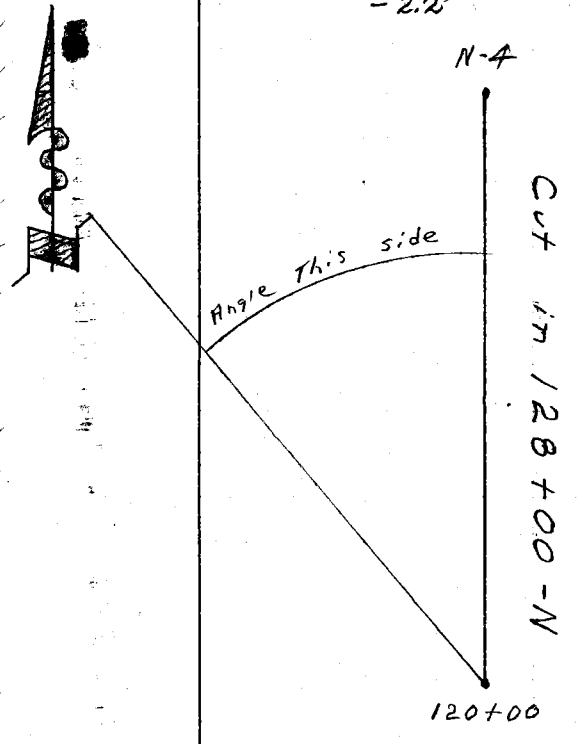
726 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

Profile Notes Red. Plotted Job No 2302 Division No. 10 F.B. 2302 Pg. 209
No. Date. Date. Survey of Beach Erosion Study
X-Sec. Notes Chkd. Checked Survey by Vab Deren Notes R.T. Date 8-17-55
No. Date. Date. Map No. Traced Johnson Date.

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At CR	#	Color	Time	Hor. Ang.		Remarks
120+00 N-4	1	30.4 ✓ 28.2	6:44	70° 25'	2249 ✓	Zero Adj. -0.1 Boat Adj. +1.0 Tide -3.1 (blue 3.3) -2.2
	2	28.9 ✓ 26.7		69° 23'	2126 ✓	
	3	28.1 ✓ 25.9		68° 20'	2014 ✓	
	4	26.8 ✓ 24.6		67° 00'	1885 ✓	
	5	VOID ✓		65° 23'	1746 ✓	
	6	VOID ✓		63° 13'	1585 ✓	
	7	22.0 ✓ 19.8		60° 09'	1394 ✓	
	8	21.3 19.1		58° 06'	1285 ✓	
	9	20.4 ✓ 18.2		56° 09'	1193 ✓	
	10	19.4 ✓ 17.2		53° 46'	1092 ✓	
	11	18.5 ✓ 16.3		51° 43'	1014 ✓	
	12	17.1 ✓ 14.9		50° 38'	975 ✓	
	13	16.4 ✓ 14.2		50° 03'	955 ✓	
	14	15.6 ✓ 13.4		49° 10'	926 ✓	
	15	15.3 ✓ 13.1		48° 27'	903 ✓	
	16	14.6 12.4		47° 24'	870 ✓	
	17	13.6 ✓ 11.4		46° 47'	851 ✓	
	18	12.9 ✓ 10.7		45° 47'	822 ✓	
	19	11.5 ✓ 9.3		45° 00'	800 ✓	
	20	10.8 ✓ 8.6	6:49	44° 07'	771 ✓	



F.B. 2302 Pg. 210 Job No. 2300.02 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Study Date 8-17-55 Date No.

Survey by Van Deren Notes R.T. Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
					Inst. Sight On # Color Time Hor. Ang. Att.

761298 307 8-53

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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.

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.

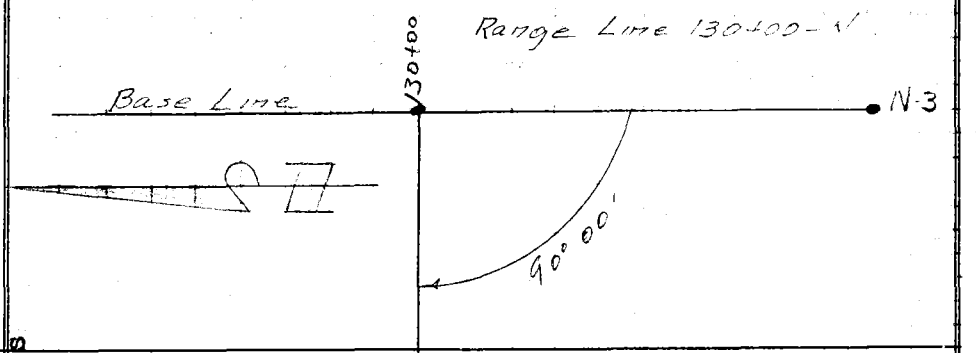
Cut-in X

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at 126+00	Sight on 130+00
128+00						
T.P. (MID. PAGE)	4 77	18 90		14 13		
T.P.	8 36	20 68	6 58	12 32		
130+00			+4 2	24 9	+9.7 -5.5 +4.2	DIRT ROAD
13 FT LEFT			+4 2	24 9	+9.7 -5.5 +4.2	TOP FILL
26 " "			4 0	16 7		BOTTOM FILL
60 " "			5 4	15 3		BRK
100 " "			1 5	19 2		
140 " "			2 3	18 4		BRK
200 " "			6 3	14 4		
245 " "			8 4	12 3		
300 " "			8 6	12 1		
400 " "			8 2	12 5		
500 " "			7 1	13 6		
550 " "			5 7	15 0		BRK
T.P. 600 " "	-0 3	7 3	13 12	7 56		
			6 1	1 2	58° 5' 663 ✓	
			13 2	-5 9	61 28 736 ✓	
			16 9	-9 6	63 23 798 ✓	
			18 5	-11 2	64 51 852 ✓	

INSHORE
N. 130+00

Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 10 F. B. 2302 Pg. 211
No. ____ Date ____ Date ____ Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. ____ Checked ____ Survey by OREIER ENGLISH Notes G.D.&E.E. Date 8-17-55
No. ____ Date ____ Date ____ Map No. ____ Added Johnson Date ____

Profile No.	Notes Red.	Plotted	Job No. 2300.02	Division No. 10	F. B. 2302	Pg. 213
	Date	Date	Survey of Beach Erosion			
X-Sec. No.	Notes Chkd.	Checked	Survey by VanDerem	Notes J.V.E.	Date 8-17-55	
	Date	Date	Map No.	Max C. Johnson	Date	



STATION	B.S.	H.I.	F.S.	ELEV.	Hor. Ang.	Remarks
Inst. Sta.	#	Color	Time			
At OR	1		6:54	90° 00'		
	2			90° 00'		
	3			90° 00'		
	4			90° 00'		
	5			90° 00'		
	6			90° 00'		
	7			90° 00'		
	8			90° 00'		
	9			90° 00'		
	10			90° 00'		
	11			90° 00'		
	12			90° 00'		
	13			90° 00'		
	14			90° 00'		
	15			90° 00'		
	16			90° 00'		
	17			90° 00'		
	18			90° 00'		
	19			90° 00'		
	20		6:58	90° 00'		
	N-3					
	130+00-N					

NOTE: ANY ADDITIONS 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
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726 Los Angeles County Engineering Bldg.

761.298 307 8-53

F.B. 2302 PG. 214 Job No. 030002 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Date Date No.

Survey by Van Deren Notes J.J.E. Notes Chkd. Checked X-Sec.

Indexed ~~A. C. Johnson~~ Date Date Date No.

76L298 307 8-53

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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.		
Inst. Sight At On	#	Color	Time	Hor. Ang.		Remarks
130+00-N						
N-3						
					Range Line	130+00-N

76L298 307 8-53

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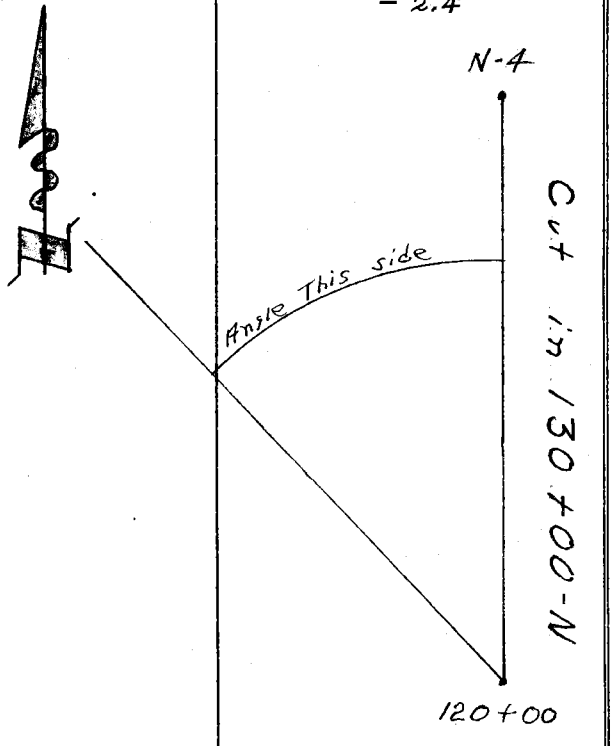
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

STATION Inst. Sight At	On	B. S. #	H. I. Color		F. S. Time	ELEV. Hor. Ang.	
		1	29.4	27.0	6:54	65° 36'	2205
		2	28.6	26.2		64° 33'	2101
		3	28.2	25.8		63° 01'	1964
		4	27.9	25.5		61° 56'	1876
		5	voiduh			59° 39'	1708
		6	voiduh			56° 58'	1538
		7	23.3	20.9		55° 10'	1437
120+00	N-4	8	21.8	19.4		52° 06'	1285
		9	20.4	18.0		50° 18'	1205
		10	19.8	17.4		48° 15'	1120
		11	19.2	16.8		46° 32'	1055
		12	18.7	16.3		45° 25'	1015
		13	18.2	15.8		44° 38'	987
		14	17.2	14.8		43° 55'	963
		15	16.5	14.1		42° 39'	921
		16	15.8	13.4		41° 37'	888
		17	14.3	11.9		40° 40'	859
		18	13.7	11.3		39° 38'	828
		19	12.8	10.4		38° 58'	809
		20	12.0	9.6	6:58	37° 57'	780

Remarks Zero Adj. -0.2
Boat Adj. +1.0
Tide -3.2 (blue 3.5)
-2.4



Profile Notes Red. Plotted Job No. 0300.02 Division No. 10 F. B. 2302 Pg. 215
No. Date Date Survey of Beach Erosion Study
X-Sec. Notes Chkd. Checked Survey by Van Deren Notes R.T. Date 8-17-55
No. Date Date Map No. Inspector Date

F. B. 2302 Pg. 216 | Job No. 8300.02 | Division No. 10 | Notes Red. | Plotted | Profile

Survey of Beach Erosion Study | Date 8-17-55 | Date | No.

Survey by Van Deren | Notes R.T. | Notes Chkd. | Checked | X-Sec.

Indexed | Date | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At OR	#	Color	Time	Hor. Ang.	

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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.

78L298 307 8-53

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. Cut-in ∡

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at 126+00	Sight on 132+00
128+00 T.P. (2ND LINE)	4 77	18 90		14 13		
	8 36	20 68	6 58	12 32		
132+00			+4 5	25 2	10.0 5 5	DIRT ROAD
12 FT. LEFT			+4 5	25 2	10.0 5 5 4.5	TOP FILL
30 " "			4 5	16 2		BOTTOM FILL
55 " "			5 0	15 7		
100 " "			1 0	19 7		
130 " "			1 6	19 1		
200 " "			7 6	13 1		
250 " "			8 8	11 9		
300 " "			9 2	11 5		
400 " "			9 6	11 1		BRK
500 " "			6 4	14 3		
550 " "			5 6	15 1		BRK
600 " "			12 6	8 1		NEAR WATER
T.P.	-0 3	7 3	13 12	7 56		
			3 6	3 7	46° 27' 631	
			9 1	-1 8	48 52 687	
			14 7	-7 4	51 32 755	
			17 1	-9 8	53 24 808	

IN SHORE
N. 132+00

Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 10 F. B. 2302 Pg. 217
No. ____ Date ____ Date ____ Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. ____ Checked ____ Survey by DREIER ENGLISH Notes GD & EE Date 8-17-55
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

Profile No. | Notes Red. | Date | Plotted | Date | Job No. 2300.02 | Division No. 10 | F. B. 2302 | Pg. 219

X-Sec. No. | Notes Chkd. | Date | Checked | Date | Survey of Beach Erosion | Survey by VanAuken | Notes J.V.E. | Date 8-17-55 | Map No. | Indexed Johnson | Date

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

PLEASE RETURN TO
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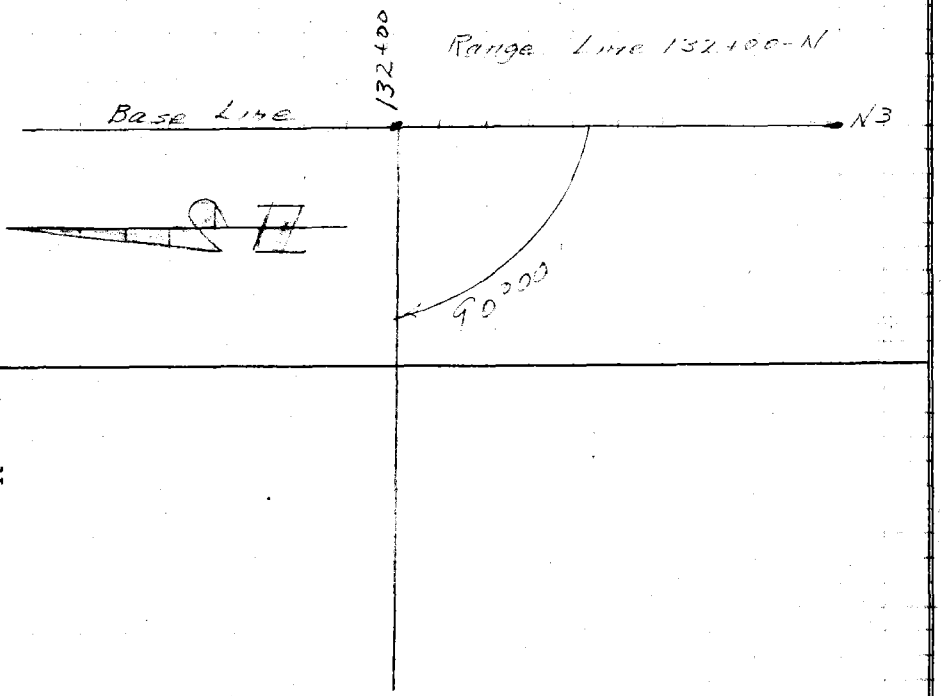
726 Los Angeles County Engineering Bldg.

Do not extend notes this side of this line.



STATION	B.S.	H.I.	F.S.	ELEV.	Remarks
Inst. Sight At	#	Color	Time	Hor. Ang.	
	1		7:09	90°00'	
	2			90°00'	
	3			90°00'	
	4			90°00'	
	5			90°00'	
	6			90°00'	
	7			90°00'	
	8			90°00'	
	9			90°00'	
	10			90°00'	
	11			90°00'	
	12			90°00'	
	13			90°00'	
	14			90°00'	
	15			90°00'	
	16			90°00'	
	17			90°00'	
	18			90°00'	
	19			90°00'	
	20			90°00'	
N-3					
132+00-N					

761.298 307 8-53

F. B. 2302 PG. 220 Job No. 03302 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Date Date No.

Survey by VanDeren Notes J.N. E. Notes Chkd. Checked X-Sec.

Indexed C. Johnson Date Date Date No.

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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.	Inst. Sight At	#	Color	Time	Hor. Ang.	Remarks
132+00-N					N-3					
	21									
	22									
	23									
			7.09							
									90° 00'	
									90° 00'	
									90° 00	
										Range Line
										132+00-N

761298 307 8-53

76L298 307 8-53

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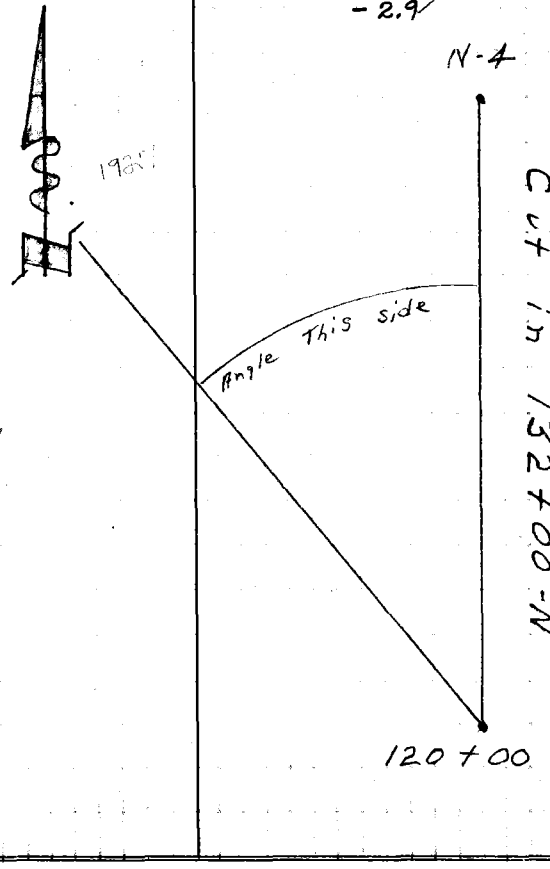
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

Profile Notes Red. Plotted Job No. 23202 Division No. 40 F.B. 2302 Pg. 121
No. Date Date Survey of Beach Erosion Study
X-Sec. Notes Chkd. Checked Survey by Van Deren Notes R.T. Date 8-17-55
No. Date Date Map No. Checked Johnson Date

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At CH	#	Color	Time	Hor. Ang.		Remarks
	1	31.1 28.2	7:04	62° 39'	2320	Zero Adj. -0.4
	2	30.1 27.2		61° 37'	2221	Boat Adj. +1.0
	3	29.1 26.2		60° 18'	2104	Tide -3.5 (blue 3.7)
	4	28.4 25.5		59° 20'	2023	-2.9
	5	27.9 25.0		58° 05'	1927	
	6	27.3 24.4		56° 58'	1845	
	7	25.9 23.0		55° 35'	1752	
	8	25.4 22.5		54° 15'	1667	
	9	24.8 21.9		52° 59'	1591	
	10	24.1 21.2		51° 19'	1499	
	11	23.2 20.3		49° 10'	1389	
	12	21.7 18.8		46° 39'	1271	
	13	20.8 17.9		44° 08'	1164	
	14	19.8 16.9		42° 03'	1082	
	15	19.0 16.1		40° 50'	1037	
	16	18.2 15.3		39° 40'	995	
	17	17.7 14.8		38° 49'	965	
	18	16.9 14.0		37° 49'	931	
	19	16.4 13.5		37° 10'	910	
	20	15.7 12.8		36° 15'	880	



120+00
N-4

F. B. 2302 Pg. 222 Job No. 2300.02 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Study Date 8-17-55 Date No.

Survey by Van Deren Notes R.T. Notes Chkd. Checked X-Sec.

Indexed ~~K. C. Johnson~~ Date Date Date No.

76L298 307 8-53

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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.		Remarks
Inst. At	Sight On	#	Color	Time	Hor. Ang.	
		21	14.7 11.8		35° 18	850 ✓ Cut 135 132+00-N
		22	13.7 10.8		34° 28	824 ✓
		23	11.9 9.0	7:09	33° 35	797 ✓

120+00

N-4

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.

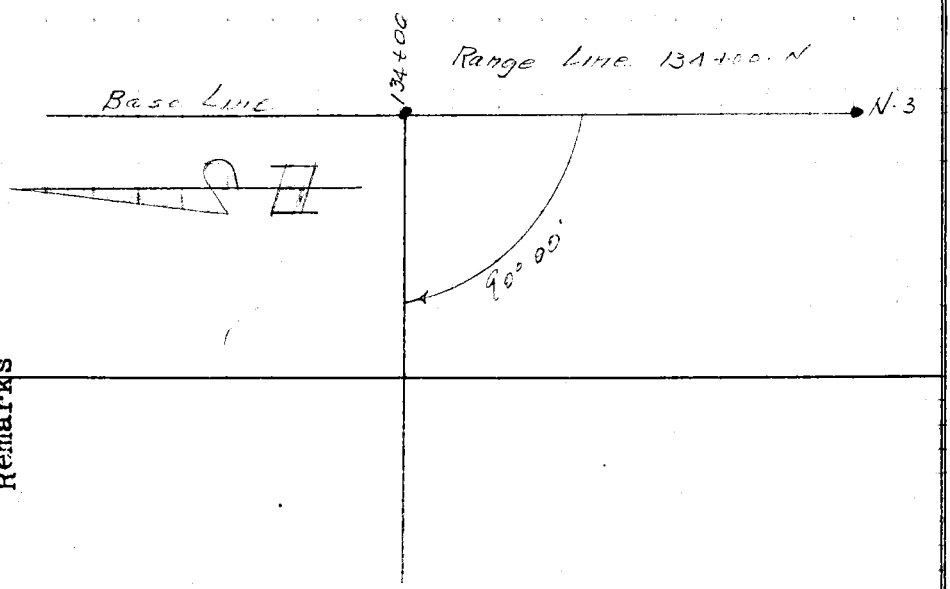
Cut-in X

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at 130+00	Sight on 134+00
132+00 T.P. (2nd LINE)	8 36	~~20 68~~		12 32 ~~13 32~~	blue figures & checks - OK	
T.P.	4 24	~~18 08~~	6 84	~~13 84~~		
134+00			+7 1	~~25 2~~	12.6 5.5 7.1	DIRT ROAD
13 FT LEFT			+7 1	~~25 2~~	12.6 5.5 7.1	TOP FILL
34 " "			3 0	~~15 1~~		BOTTOM FILL
48 " "			3 2	~~14 9~~		BRK
85 " "			0 3	~~17 8~~		"
100 " "			0 3	~~17 8~~		
200 " "			3 3	~~14 8~~		
300 " "			5 6	~~12 5~~		
330 " "			5 5	~~12 6~~		
400 " "			7 5	~~14 6~~		LOW
500 " "			5 0	~~15 1~~		
555 " "			3 4	~~14 7~~		
T.P. 600 " "	2 0	10 7 ~~9 7~~	10 40	~~7 68~~		
			7 0	~~7 7~~	58° 0' 641	
			11 2	~~1 5~~	59 47 687	
			17 1	~~7 4~~	62 27 767	
			19 5	~~9 8~~	64 22 834	

INSHORE
N. 134+00

Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 10 F. B. 2302 PG. 223
No. ____ Date ____ Date ____ Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. ____ Checked ____ Survey by DREIER ENGLISH Notes G.D.&E.E. Date 8-17-55
No. ____ Date ____ Date ____ Map No. ____ Indexed Date ____

Profile	Notes Red.	Plotted	Job No. 0300.02	Division No. 10	F. B. 2302	Pg. 225
No.	Date	Date	Survey of Beach Erosion			
X-Sec.	Notes Chkd.	Checked	Survey by Van Dorch	Notes V.V.E.	Date 8-17-55	
No.	Date	Date	Map No.	Indexed C. Johnson	Date	



STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At OR	#	Color	Time	Hor. Ang.	
	1		7:13	90° 00'	
	2			90° 00'	
	3			90° 00'	
	4			90° 00'	
	5			90° 00'	
	6			90° 00'	
	7			90° 00'	
	8			90° 00'	
	9			90° 00'	
	10			90° 00'	
	11			90° 00'	
	12			90° 00'	
	13			90° 00'	
	14			90° 00'	
	15			90° 00'	
	16			90° 00'	
	17			90° 00'	
	18			90° 00'	
	19			90° 00'	
	20			90° 00'	
				7:18	

N-3

134+00-N

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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76L298 307 8-53

76L298 307 8-53

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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.

F.B. 2302 Pg. 126 Job No. 03002 Division No. 12 Notes Red. Plotted
Survey of Beach Erosion Date Date No.
Survey by Van Deren Notes S.V.E. Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.
Profile

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. At / Sight On	#	Color	Time	Hor. Ang.		Remarks
134+00-N / N 3						Range Line 134+00-N

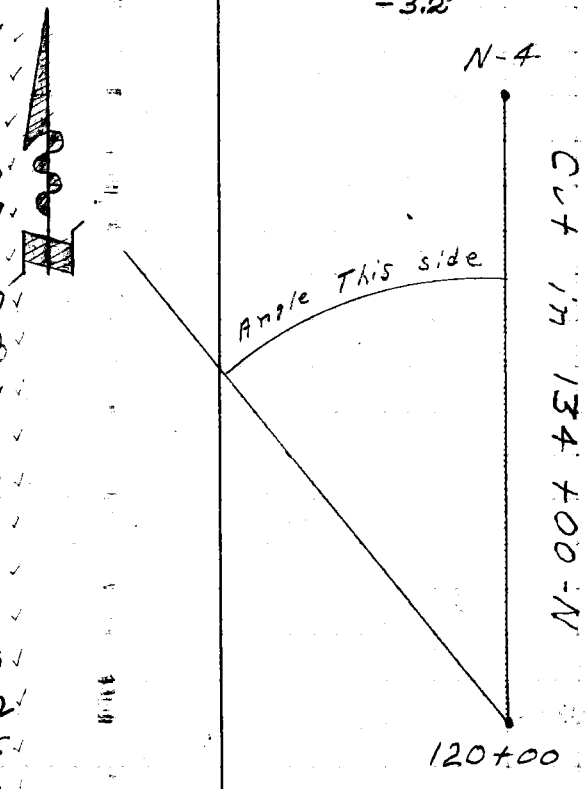
76L298 307 8-53

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.		
Inst. Sight At Ch	#	Color		Time	Hor. Ang.		Remarks
	1	29.3° void	26.1	7:13	56° 40'	2129	Zero Adj. -0.5
	2	29.3° void	25.1		54° 56'	1994	Boat Adj. +1.0
	3	void			52° 57'	1854	Tide -3.7 (blue 3.9)
	4	26.6	23.4		51° 02'	1731	-3.2
	5	25.6	22.4		49° 18'	1628	
	6	24.5	21.3		47° 40'	1537	
	7	23.6	20.4		45° 45'	1437	
	8	23.0	19.8		44° 10'	1360	
	9	22.1	18.9		42° 10'	1268	
	10	21.2	18.0		40° 27'	1194	
	11	20.5	17.3		38° 36'	1118	
	12	18.9	15.7		36° 16'	1027	
	13	17.9	14.7		34° 20'	956	
	14	17.2	14.0		33° 34'	929	
	15	16.1	12.9		32° 50'	903	
	16	15.8	12.6		32° 07'	879	
	17	14.7	11.5		31° 20'	852	
	18	13.9	10.7		30° 30'	825	
	19	12.7	9.5		29° 50'	803	
	20	11.7	8.5	7:18	28° 41'	766	



120+00

N-4

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 2301.02 Division No. 10 F.B. 2302 Pg. 227
X-Sec. No. ____ Date ____ Date ____ Survey of Beach Erosion Study
Notes Chkd. ____ Checked ____ Survey by Van Deren Notes R.T. Date 8-17-55
Date ____ Date ____ Map No. ____ Date ____

Fr B. 2302 Pg. 128 Job No. 2300.02 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Study Date 8-12-55 Date No.

Survey by Van Deren Notes R.T. Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.	Hor. Ang.	Remarks
Inst. Sight On	#	Color	Time			

761298 307 8-53

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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.

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.

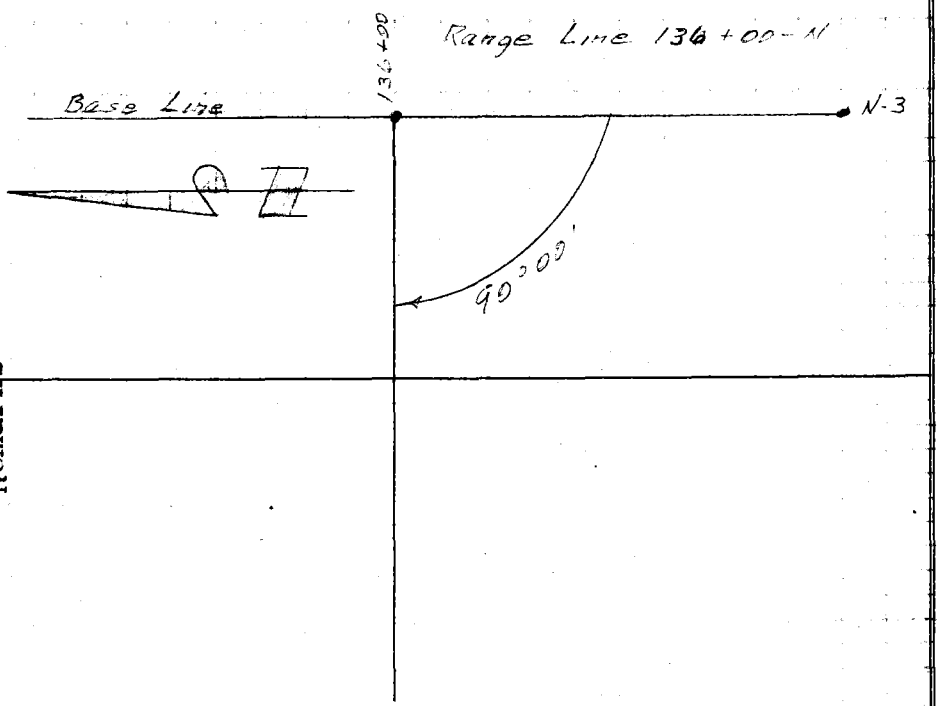
Do not extend notes this side of this line. Cut-in ∡

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at 130+00	Sight on 136+00
132+00 T.P. (2ND LINE)	8 36	20 68		12 32		
T.P	4 24	18 08	6 84	13 84		
136+00			+7 1	25.2 ~~25 0~~	+12.6 -5.5 7.1 +12.5 -5.5 +7.0	DIRT ROAD
14 FT. LEFT			+7 0	25 1		TOP FILL
30 " "			4 5	13 6		BOTTOM "
54 " "			4 6	13 5 ~~12 5~~		BRK
100 " "			1 2	16 9		BRK
200 " "			5 9	12 2		
172 " "			7 6	10 5		BRK
300 " "			7 4	10 7 ~~10 3~~		
375 " "			6 3	11 8		BRK LOW
400 " "			6 7	11 4		
500 " "			5 7	12 4		
557 " "			3 7	14 4		BRK
600 " "			10 1	8 0		NEAR WATER
T.P.	2 0	9 7	10 40	7 68		
			5 6	3 1	46° 49' 639	
			11 7	-2 1	49 29 702	
			16 4	-6 7	51 53 765	
			20 0	-10 3	54 14 833	

IN SHORE
N. 136+00

Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 10 F. B. 2302 Pg. 229
No. ____ Date ____ Date ____ Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. ____ Checked ____ Survey by DREIER ENGLISH Notes G.D.&E.E. Date 8-17-55
No. ____ Date ____ Date ____ Map No. ____ Indexed A C Johnson Date ____

Profile	Notes Red.	Plotted	Job No. 0300.02	Division No. 10	F. B. 2302	Pg. 231
No.	Date	Date	Survey of Beach Erosion			
X-Sec.	Notes Chkd.	Checked	Survey by VanDeren	Notes V.V.E.	Date 8-17-55	
No.	Date	Date	Map No.	Indexed Johnson	Date	



STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At On	#	Color	Time	Hor. Ang.	
	1		7:24	90°00'	
	2			90°00'	
	3			90°00'	
	4			90°00'	
	5			90°00'	
	6			90°00'	
	7			90°00'	
	8			90°00'	
	9			90°00'	
	10			90°00'	
	11			90°00'	
	12			90°00'	
	13			90°00'	
	14			90°00'	
	15			90°00'	
	16			90°00'	
	17			90°00'	
	18			90°00'	
	19			90°00'	
				7:28	

N-3

136+00-N

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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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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76L298 307 8-53

F.B. 2302 PG. 232 Job No. 8300.02 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Date Date No.

Survey by Van Deren Notes J.J.E. Notes Chkd. Checked X-Sec.

Indexed A. C. Johnson Date Date Date No.

76L298 307 8-53

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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.		
Inst. Sight At On	#	Color	Time	Hor. Ang.		Remarks
136+00-N						
N-3						
					Range Line 136+00-N	

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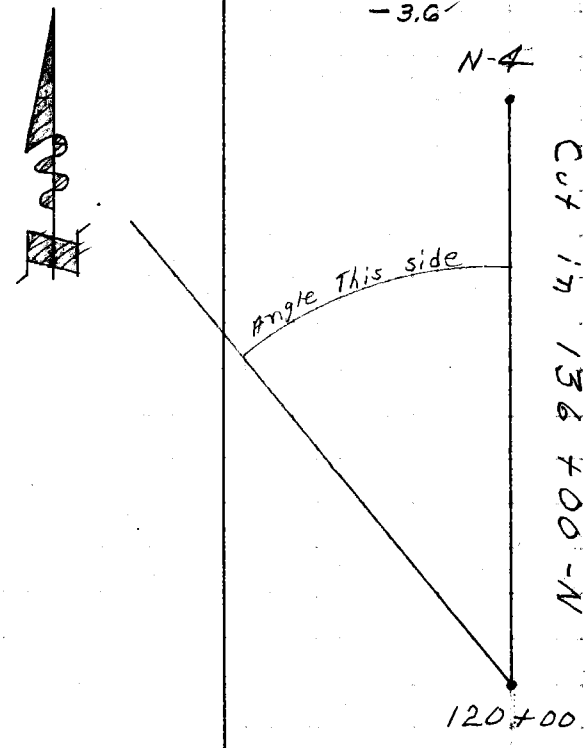
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.		
Inst. At	Sight On	#	Color		Time	Hor. Ang.		Remarks
		1	28.5	24.9	7:24	50° 34'	1946	
		2	27.4	23.8		48° 16'	1794	
		3	26.1	22.5		45° 50'	1647	
		4	25.0	21.4		43° 53'	1539	
		5	24.0	20.4		41° 54'	1436	
		6	23.5	19.9		39° 41'	1328	
		7	22.4	18.8		37° 32'	1229	
120+00	N-4	8	21.3	17.7		35° 38'	1147	
		9	20.0	16.4		33° 34'	1062	
		10	18.8	15.2		32° 04'	1002	
		11	18.0	14.4		31° 10'	968	
		12	17.1	13.5		30° 20'	936	
		13	16.3	12.7		29° 38'	910	
		14	15.8	12.2		28° 51'	881	
		15	14.9	11.3		28° 03'	853	
		16	13.5	9.9		27° 32'	834	
		17	12.4	8.8		26° 45'	806	
		18	11.2	7.6		25° 55'	777	
		19	10.3	6.7	7:28	25° 06'	749	

Zero Adj. −0.5
Boat Adj. +1.0
Tide −4.1
−3.6



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 10 F.B. 2302 Pg. 233
No. ____ Date ____ Date ____ Survey of Beach Erosion Study
X-Sec. Notes Chkd. ____ Checked ____ Survey by VanDeren Notes R.T. Date 8-17-55
No. ____ Date ____ Date ____ Map No. ____ Index C. Johnson Date ____

F. B. 2302 Pg. 239 Job No. 0300.02 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Study Date Date No.

Survey by Van Deren Notes R.T. Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

76L298 307 8-53

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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.		
Inst. Sight At On	#	Color	Time	Hor. Ang.		Remarks

76L298 S & E #307 9-54

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

Cut-in X

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at 134+00	Sight on 138+00
136+00						
T.P. (2nd LINE)	4 24	18 08		13 84		
T.P.	6 18	17 12	7 14	10 94		
138+00			+8 6	25 7	11.1 5.5 8.6	DIRT ROAD
12 FT LEFT			+8 3	25 4	14.1 5.8 5.3	TOP FILL
34 " "			01	170		BOTTOM FILL
100 " "			0 5	166		
200 " "			18	153		
300 " "			3 2	139		
400			6 5	10 6		
500			41	130		
555			27	144		BRK
T.P. 600	4 3	10 5	1091	621		NEAR WATER
			7 3	3 2	59° 28'	627 ✓
			11 6	-1 1	59 12	671 ✓
			16 3	-5 8	61 37	722 ✓
			19 0	-8 5	62 27	767 ✓

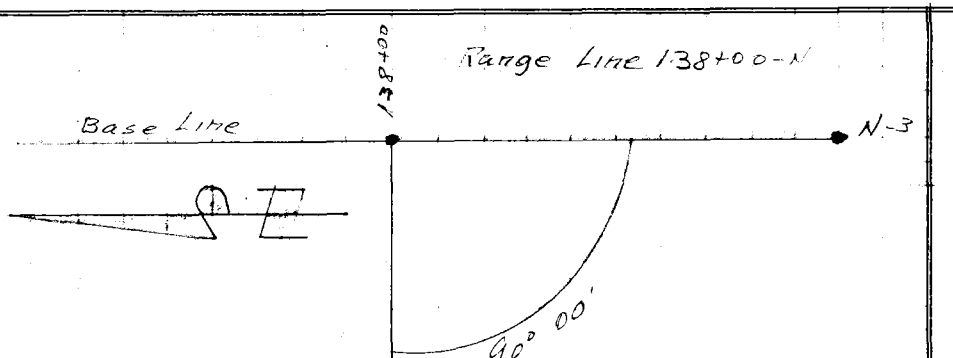
INSHORE
N. 138+00

Profile Notes Red_____ Plotted_____ Job No. 6300.02 Division No. 10 F. B. 2302 Pg. 23
No_____ Date_____ Date_____ Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd_____ Checked_____ Survey by EE & GP Notes EE & GP Date 8-17-55
No_____ Date_____ Date_____ Map No._____ Traced Johnson Date_____

Profile No. | Notes Red. | Plotted | Job No. 0300.02 | Division No. 10 | F. B. 2302 | Pg. 237

X-Sec. No. | Notes Chkd. | Checked | Survey of Beach Erosion | Survey by Van Doren | Notes J.V.E. | Date 8-17-53

Date | Date | Map No. | Indexed C. Johnson | Date



STATION	B.S. #	H.I.	F.S.	ELEV.	Remarks
At Sta.		Color	Time	Hor. Ang.	
	1		7:37	90° 00'	
	2			90° 00'	
	3			90° 00'	
	4			90° 00'	
	5			90° 00'	
	6			90° 00'	
	7			90° 00'	
	8			90° 00'	
	9			90° 00'	
	10			90° 00'	
	11			90° 00'	
	12			90° 00'	
	13			90° 00'	
	14			90° 00'	
	15			90° 00'	
	16			90° 00'	
	17			90° 00'	
	18			90° 00'	
	19			90° 00'	
	20			90° 00'	
N-3					
138+00-N					

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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726 Los Angeles County Engineering Bldg.

76L298 307 8-53

F.B. 2302 PG. 238 Job No. 0300.02 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Date Date No.

Survey by Van Deren Notes J.J.E. Notes Chkd. Checked X-Sec.

Indexed A. C. Johnson Date Date Date No.

76L298 307 8-53

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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.		
Inst. Sight At On	#	Color	Time	Hor. Ang.		Remarks
138+00-N						
N-3						
	20		7:40	90° 00'		
					Range Line 138+00-N	

76L298 307 8-53

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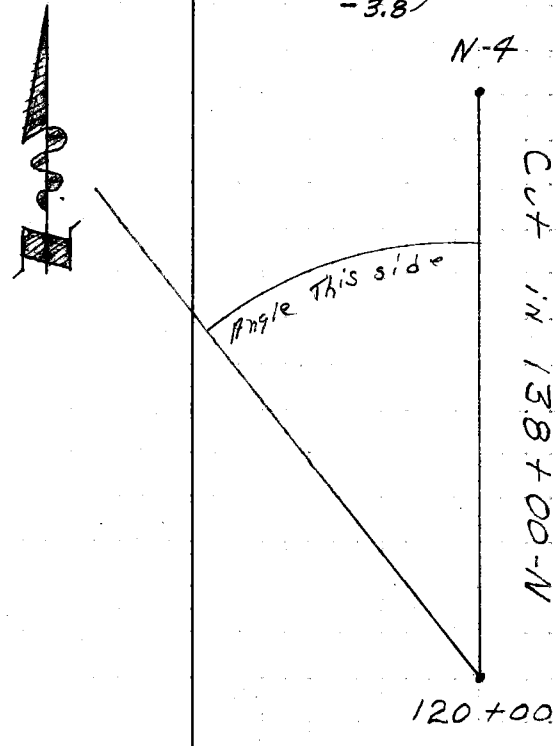
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.		
Inst. Sight At On	#	Color		Time	Hor. Ang.		Remarks
	1	31.4	27.6	7:35	51° 53'	2294	
	2	30.3	26.5		50° 20'	2171	
	3	28.8	25.0		48° 34'	2039	
	4	28.4	24.6		46° 56'	1926	
	5	27.6	23.8		45° 11'	1812	
	6	26.8	23.0		42° 44'	1663	
	7	25.6	21.8		40° 42'	1548	
	8	24.0	20.2		38° 45'	1445	
	9	23.2	19.4		36° 11'	1317	
	10	22.3	18.5		33° 56'	1211	
	11	21.3	17.5		31° 50'	1117	
	12	20.3	16.5		30° 18'	1052	
	13	19.3	15.5		29° 00'	998	
	14	17.9	14.1		27° 40'	944	
	15	16.8	13.0		26° 35'	901	
	16	15.6	11.8		25° 52'	873	
	17	14.9	11.1		25° 12'	847	
	18	14.0	10.2		24° 28'	819	
	19	12.7	8.9		23° 39'	788	
	20	10.9	7.1		22° 38'	750	

Zero Adj. −0.5
Boat Adj. +1.0
Tide −4.3
−3.8



120+00

N-4

Profile Notes Red. Plotted Job No. 2300.02 Division No. 10 F.B. 2302 Pg. 239
No. Date Date Survey of Beach Erosion Study
X-Sec. Notes Chkd. Checked Survey by Van Deren Notes R.T. Date 8-17-55
No. Date Date Map No. Indexed C. Johnson Date

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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F. B. 2302 Pg. 140 Job No. 23002 Division No. 10 Notes Red. Plotted
Survey of Beach Erosion Study Date 8-12-58 Date No.
Survey by Van Deren Notes R.T. Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.
Profile

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
	21	9.7 ✓ 5.9	7:40	21° 49	721' Cut 1'±	138+00-N
120+00 N-4						

76L298 S & E #307 9-54

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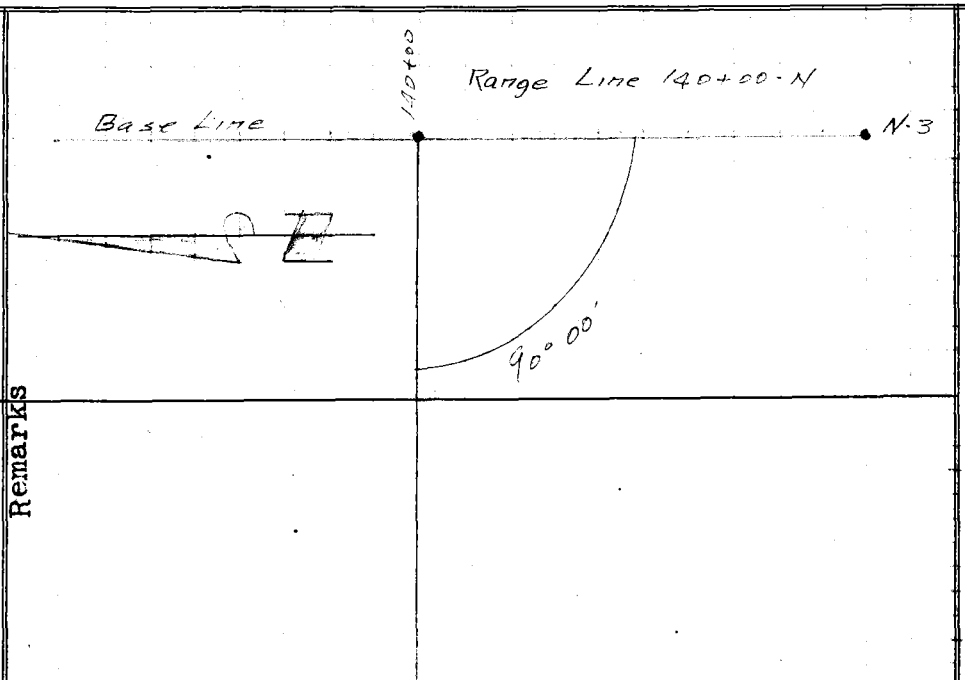
Do not extend notes this side of this line. Cut-in X

Profile Notes Red. Plotted Job No. 2300.02 Division No. 10 F. B. 2302 PG. 241
No. Date Date Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. Checked Survey by E.E.&G.D. Notes E.E.&G.D. Date 8-12-55
No. Date Date Map No. Map Notes C. Johnson Date

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at 137+00	Sight on 140+00
136+00						
T.P. (2ND. LINE)	4 24	1808		1384		
T.P.	6 18	17 12	7 14	1094		
140+00			+80	251	13.5 5.5 8.0 13.3 5.5 7.8	DIRT ROAD
16 FT. LEFT			+78	249		TOP FILL
33 " "			36	135		BOTTOM FILL
71 " "			05	166		BRK
100 "			04	167		
200 "			18	1531		
300 "			63	108		
400 "			55	116		
500 "			40	131		
555 "			23	~~148~~ 148 ✓		BRK
600 "			95	76		
T.P.	4 3	10 5	10 91	621		
			2 7	78	44° 50' 599 ✓	
			6 8	+3 7	46 10 627 ✓	
			13 2	-2 7	49 12 695 ✓	
			17 0	-6 5	51 03 742 ✓	
			19 5	-9 0	52 39 786 ✓	

INSTORE
N. 140+00

Profile	Notes Red.	Plotted	Job No. 0300.02	Division No. 10	F. B. 2302	Pg. 243
No.	Date	Date	Survey of Beach Erosion			
X-Sec.	Notes Chkd.	Checked	Survey by Van Deren	Notes J.V.E.	Date 8-17-55	
No.	Date	Date	Map No.	Indexed G. Johnson	Date	



STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At On	#	Color	Time	Hor. Ang.	
	1		7:45	90° 00'	
	2			90° 00'	
	3			90° 00'	
	4			90° 00'	
	5			90° 00'	
	6			90° 00'	
	7			90° 00'	
	8			90° 00'	
	9			90° 00'	
	10			90° 00'	
	11			90° 00'	
	12			90° 00'	
	13			90° 00'	
	14			90° 00'	
	15			90° 00'	
	16			90° 00'	
	17			90° 00'	
	18			90° 00'	
				7:49	

N-3

140+00-N

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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F. B. 2302 PG. 249 Job No. 0300.02 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Date Date No.

Survey by Van Deren Notes J.J.E. Notes Chkd. Checked X-Sec.

Indexed A. C. Johnson Date Date Date No.

76L298 307 8-53

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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.		
Inst. Sight At On	#	Color	Time	Hor. Ang.		Remarks
140+00-N						
N-3						
					Range Line 140+00-N	

76L298 307 8-53

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

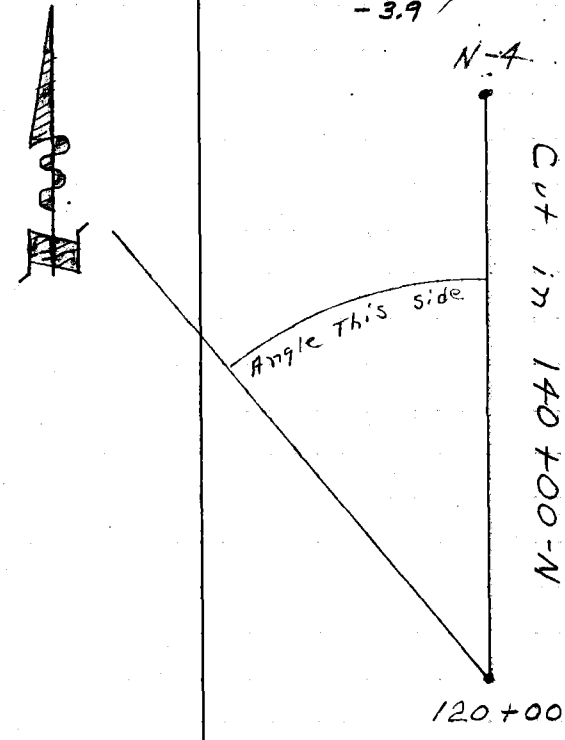
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

STATION	B. S.	H. I.		F. S.	ELEV.		
Inst. At / Sight On	#	Color		Time	Hor. Ang.		Remarks
	1	29.7	25.8	7:45	44° 50'	1988	Zero Adj. -0.5
	2	28.6	24.7		43° 02'	1867	Boat Adj. +1.0
	3	26.9	23.0		40° 37'	1715	Tide -4.4
	4	25.8	21.9		38° 50'	1610	-3.9
	5	24.6	20.7		36° 58'	1505	
	6	24.1	20.2		34° 38'	1381	
	7	23.2	19.3		32° 44'	1286	
	8	22.2	18.3		30° 20'	1170	
	9	21.3	17.4		28° 16'	1075	
	10	20.1	16.2		26° 50'	1012	
	11	19.0	15.1		26° 02'	977	
	12	18.2	14.3		25° 23'	949	
	13	17.5	13.6		24° 48'	924	
	14	17.0	13.1		24° 06'	895	
	15	15.8	11.9		23° 24'	865	
	16	14.6	10.7		22° 39'	835	
	17	13.3	9.4		21° 35'	791	
	18	11.5	7.6	7:49	20° 53'	763	

120+00

N-4



Profile Notes Red. ____ Plotted ____ Job No. 030002 Division No. 10 F.B. 2302 Pg. 245
No. ____ Date ____ Date ____ Survey of Beach Erosion Study
X-Sec. Notes Chkd. ____ Checked ____ Survey by Van Dexen Notes R.T. Date 8-12-55
No. ____ Date ____ Date ____ Map No. ____ Date ____

F. B. 2302 Pg. 296 Job No. 0300.02 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Study Date 8-17-55 Date No.

Survey by Van Deren Notes R.T. Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight On	#	Color	Time	Hor. Ang.	

761.298 307 8-53

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726 Los Angeles County Engineering Bldg.

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76L298 S & E #307 9-54

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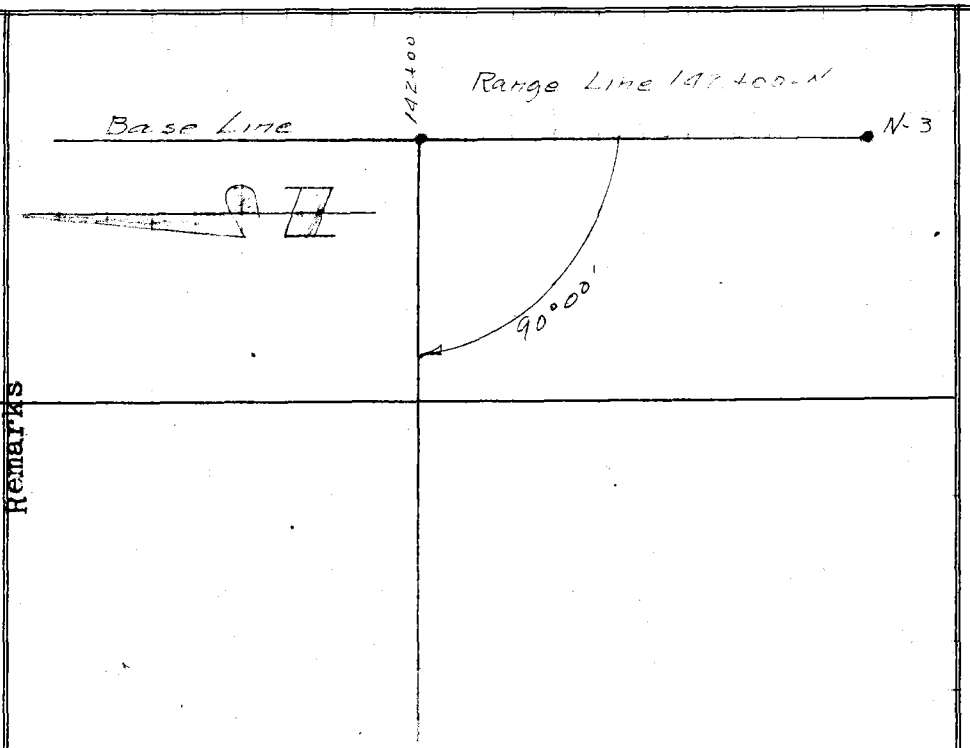
Profile Notes Red. Plotted. Job No. 8300.02 Division No. 10 F. B. 2302 PG. 297
No. Date. Date. Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. Checked. Survey by ENGLISH Noted EDDIE E. Date 8-17-55
No. Date. Date. Map No. Traced Johnson Date.

STATION	B. S.	H. I.	F. S.	ELEV.	Inst at 138+00 Sight on 142+00	
140+00				1094	blue figures	
T. P. (LINE #2)	6 18	~~17 12~~ ✓		~~1384~~	✓ checks - OK	
T. P.	7 29	~~19 49~~ ✓	4 92	~~1320~~ ✓		
142+00			+ 49	~~2144~~ ✓	+10.4 -5.5 +4.9	DIRT ROAD
14 FT. LEFT			+ 45	~~2140~~ ✓	+10.0 -5.5 4.5	TOP FILL
31 " "			46	~~1498~~ ✓		BOTTOM "
65 " "			26	~~1694~~ ✓		
100 " "			26	~~1694~~ ✓		
200 " "			40	~~1560~~ ✓		
300 " "			64	~~1314~~ ✓		
400 " "			80	~~1155~~ ✓		
500 " "			60	~~1355~~ ✓		
550 " "		✓	45	~~1450~~ ✓		
T.P. 600 " "	2. 6	~~10 7~~ ✓	1200	~~749~~ ✓		
			2 7	~~1 4~~ ✓	58 52	662 ✓
			13 9	~~3 8~~ ✓	60 57	720 ✓
			17 8	~~1 8~~ ✓	62 22	764 ✓
			18 5	~~2 4~~ ✓	62 52	781 ✓

IN SHORE
N. 142+00

Profile	Notes Red.	Plotted	Job No. 0300.02	Division No. 10	F. B. 2302	Pg. 249
No.	Date	Date	Survey of Beach Erosion			
X-Sec.	Notes Chkd.	Checked	Survey by Van Deren	Notes J.E.	Date 8-17-55	
No.	Date	Date	Map No.	~~Indexed~~ K. C. Johnson	Date	



STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At OH	#	Color	Time	Hor. Ang.	
	1		8.02	90°00'	
	2			90°00'	
	3			90°00'	
	4			90°00'	
	5			90°00'	
	6			90°00'	
	7			90°00'	
	8			90°00'	
	9			90°00'	
	10			90°00'	
	11			90°00'	
	12			90°00'	
	13			90°00'	
	14			90°00'	
	15			90°00'	
	16			90°00'	
	17			90°00'	
	18			90°00'	
	19			90°00'	
	20			90°00'	

N-3

142+00-N

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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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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76L298 307 8-53

F.B. 2302 PG. 250 Job No. 0300.02 Division No. 18 Notes Red. _____ Plotted _____ Profile

Survey of Beach Erosion Date _____ Date _____ No. _____

Survey by Van Deren Notes J.J.E. Notes Chkd. _____ Checked _____ X-Sec.

Indexed A. C. Johnson Date _____ Date _____ Date _____ No. _____

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
142+00-N						
N-3						
	21			90°00'		
	22			90°00'		
	23		8:07	90°00'		
					Range Line	142+00-N

76L298 307 8-53

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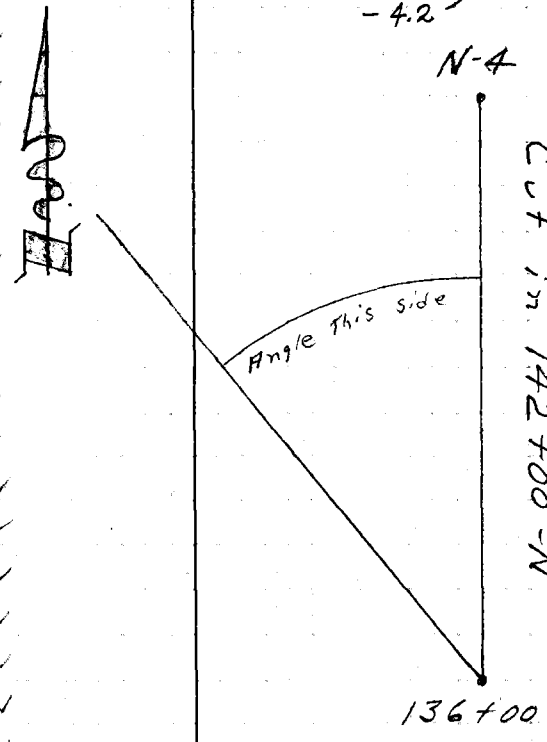
Do not extend notes this side of this line.

STATION	B. S.	H. I.		F. S.	ELEV.		
Inst. Sight At On	#	Color		Time	Hor. Ang.		Remarks Zero Adj. -0.6 Boat Adj. +1.0 Tide -4.6 -4.2
	1	void		8:02	75° 24'	2303	
	2	30.3	26.1		74° 28'	2159	
	3	29.5	25.3		73° 49'	2067	
	4	28.8	24.6		73° 03'	1969	
	5	28.3	24.1		72° 22'	1888	
	6	27.3	23.1		71° 38'	1807	
	7	26.8	22.6		70° 46'	1720	
	8	25.8	21.6		69° 33'	1609	
	9	24.9	20.7		68° 25'	1517	
	10	24.4	20.2		67° 30'	1449	
	11	23.4	19.2		66° 05'	1353	
	12	22.9	18.7		64° 36'	1264	
	13	21.5	17.3		62° 42'	1163	
	14	21.2	17.0		61° 10'	1090	
	15	20.2	16.0		59° 53'	1034	
	16	19.7	15.5		58° 56'	996	
	17	18.8	14.6		57° 51'	955	
	18	18.2	14.0		56° 47'	916	
	19	16.4	12.2		55° 22'	869	
	20	14.9	10.7		54° 15'	833	



136+00 N-4

Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 10 F. B. 2302 Pg. 257
No. ____ Date ____ Date ____ Survey of Beach Erosion Study
X-Sec. Notes Chkd. ____ Checked ____ Survey by Van Deren Notes R.T. Date 8-17-55
No. ____ Date ____ Date ____ Map No. ____ Date ____

76L298 307 8-53

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F. B. 2302 Pg. 252 Job No 23202 Division No. 10 Notes Red. Plotted
Survey of Beach Erosion Study Date 8-12-55 Date No. Profile
Survey by Van Dorn Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
136+00 N-4	21	12.6 8.4		52° 34'	784 ✓ Cut in	142+00-N
	22	10.7 6.5		51° 51'	766 ✓	
	23	9.8 5.6	8:07	50° 29'	727 ✓	

76L298 S & E #307 9-54

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Do not extend notes this side of this line. Cut-in X

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at 138+00	Sight on 144+00
140+00				1094	blue figures	
T.P. (2nd LINE)	6 18	~~19 12~~		~~1384~~	+ checks - OK	
T.P.	7 29	~~19 49~~	4 92	~~12 20~~		
144+00			+5 0	~~34 5~~	+10.0 -5.0	DIRT ROAD
12 FT. LEFT			+4 7	~~24 2~~	10.0 5.3 4.7	TOP FILL
18 " "			+1 9	~~21 4~~	10.0 8.1 1.9	BOTTOM "
46 " "			0 0	~~19 5~~		
100 " "			1 3	~~18 2~~		
200 " "			5 6	~~13 4~~		
300 " "			7 2	~~12 3~~		
400 " "			7 8	~~11 7~~		
500 " "			5 8	~~13 7~~		
550			4 5	~~15 0~~		
600			11 3	~~8 2~~	NEAR WATER	
T.P.	2 6	~~10 1~~ 130	12 00	~~1 49~~		
			5 9	~~[illegible]~~	46° 21' 629	
			12 3	~~[illegible]~~	49 48 710	
			16 3	~~[illegible]~~	51 18 749	
			18 7	~~[illegible]~~	52 42 788	

INSHORE
N. 144+00

Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 10 F. B. 2302 PG. 253
No. ____ Date ____ Date ____ Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. ____ Checked ____ Survey by DREIER ENGLISH Notes G.D.&E.E. Date 8-17-55
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

Profile No. | Notes Red. | Date | Plotted | Date | Job No. 2300.02 | Division No. 10 | F. B. 2302 | Pg. 25

X-Sec. No. | Notes Chkd. | Date | Checked | Date | Survey of Beach Erosion | Survey by Van Dorn | Notes V.N.E. | Date 8-17-55 | Map No. | Indexed O. Johnson | Date

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

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726 Los Angeles County Engineering Bldg.

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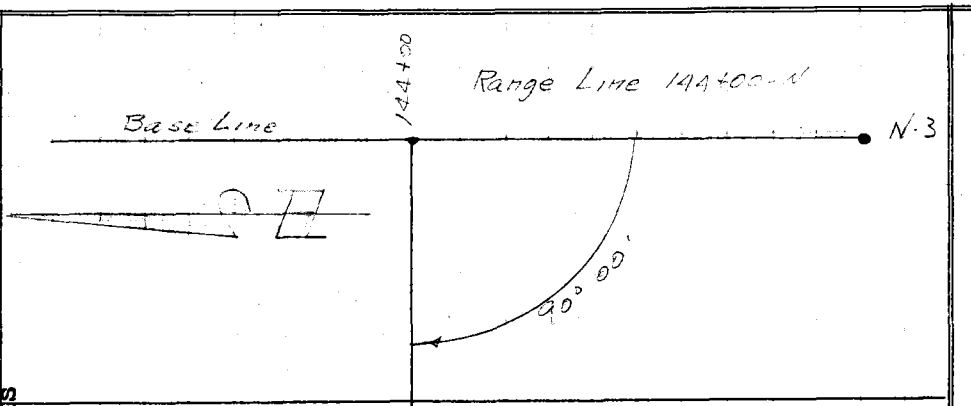

STATION	B.S.	H.I.	F.S.	ELEV.	Remarks
Inst. Sta.	#	Color	Time	Hor. Ang.	
At	1		8:13	90 00'	
	2			90 33'	
	3			90 33'	
	4			90 33'	
	5			90 33'	
	6			90 33'	
	7			90 33'	
	8			90 33'	
	9			90 33'	
	10			90 33'	
	11			90 33'	
	12			90 00'	
	13			90 00'	
	14			90 00'	
	15			90 00'	No Good
	16			90 00'	No Good
	17			90 00'	
	18		8:18		
	19				

N-3

144+00-N

761.298 307 8-53

F.B. 2302 Pg. 256 | Job No. 2300.02 Division No. 10 | Notes Red. | Plotted | Profile

Survey of Beach Erosion | Date | Date | No.

Survey by Van Deren | Notes V.N. 5 | Notes Chkd. | Checked | X-Sec.

Indexed C. Johnson | Date | Date | Date | No.

144+00 -N

N.3

STATION	B.S.	H.I.	F.S.	ELEV.	Remarks
At Station	#	Color	Time	Hor. Ang.	

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726 Los Angeles County Engineering Bldg.

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76L298 3C7 8-53

76L298 307 8-53

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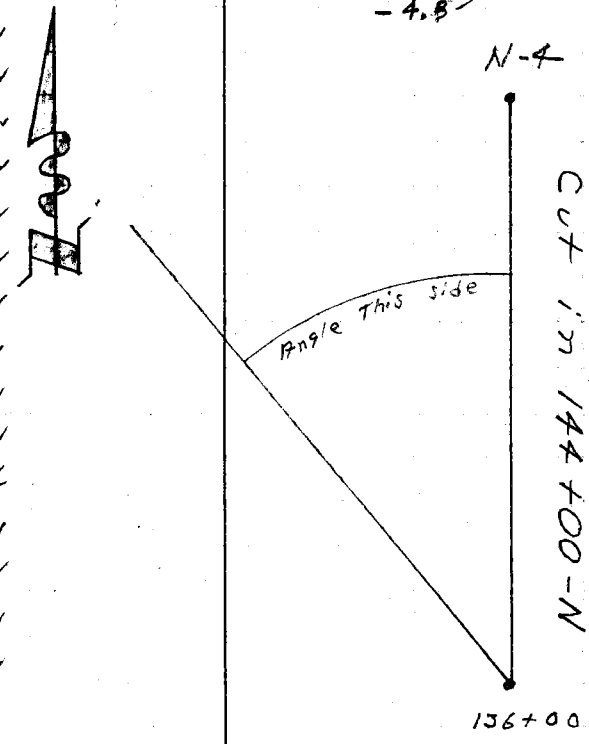
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.		
Inst. Sight At Ch	#	Color		Time	Hor. Ang.		Remarks
	1	30.9	26.6	8:13	69° 43'	2165	Zero Adj. -0.6
	2	29.6	25.3		68° 20'	2014	Boat Adj. +1.0
	3	28.3	24.0		67° 08'	1897	Tide -4.2
	4	27.5	23.2		65° 55'	1790	-4.8
	5	26.3	22.2		64° 38'	1687	
	6	26.1	21.8		63° 16'	1588	
	7	25.2	20.9		61° 52'	1496	
	8	void			60° 10'	1395	
	9	void			57° 01'	1233	
	10	void			54° 54'	1138	
	11	21.4	17.1		53° 10'	1068	
	12	20.0	15.7		51° 40'	1012	
	13	19.1	14.8		50° 22'	966	
	14	18.2	13.9		49° 23'	933	
	15	17.0	12.7		48° 13'	895	
	16	16.7	12.4		46° 40'	848	
	17	14.2	9.9				
	18	12.0	7.7				
	19	9.3	5.0	8:18	44° 14'	779	

136+00 N-4



Profile Notes Red. Plotted Job No. 0300.02 Division No. 10 F. B. 2302 Pg. 257
No. Date Date Survey of Beach Erosion Study
X-Sec. Notes Chkd. Checked Survey by VanDeren Notes R.T. Date 8-17-55
No. Date Date Map No. Date

F.B. 2302 PG. 258 Job No. 0300.02 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Study Date 8-17-55 Date No.

Survey by Van Deren Notes R.T. Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

76L298 307 8-53

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STATION	B.S.	H.I.	F.S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.		Remarks

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at 142+00	Sight on 146+00
142+00 T.P. (2nd LINE)	7 29	19 49		12 20		
T.P.	17 81	37 07	0 23	19 26		
T.P.	17 24	54 27	0 04	37 03		
T.P.	4 46	58 63	0 10	54 17		
B.M. 27-12	0 56	58 19	1 03	57 ~~60~~ 63	B.M. 27-12 U.S. 3785 S-767 ELEV. 54.834 VISTA DEL MAR & WATERVIEW ST 2.800 M.L.L.W. 57.634	F.B. 1393-16
T.P.	0 25	40 51	17 93	40 26		
146+00			16 8	23 7	DIRT ROAD.	
18 FT LEFT			17 5	23 0	TOP BRK	
T.P.	0 94	24 42	17 03	23 48	TOP BOULDER	
38 FT LEFT			4 6	19 8	BOTTOM SLOPE	
100 " "			6 3	18 1		
200 " "			14 2	10 2		
300 " "			16 4	8 0		
400 " "			17 5	6 9		
500 " "			16 7	7 7		
566 " "			14 6	9 8		
T.P. 600 " "	-2 1	8 4	13 90	10 52		
			4 9	3 6	58° 07' 643 ✓	
			11 7	-3 3	60 47 715 ✓	
			15 7	-7 3	62 45 777 ✓	
			18 7	-10 3	64 33 841 ✓	

INSHORE
N. 146+00

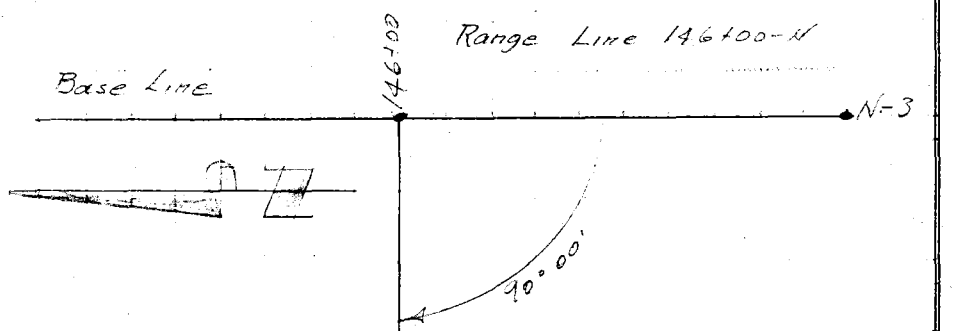
Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. ____ F.B. 2302 Pg. 259
No. ____ Date ____ Date ____ Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. ____ Checked ____ Survey by DREIER ENGLISH Notes G.D.&E.E. Date 8-17-55
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 10 F. B. 2302 Pg. 261

X-Sec. No. ____ Date ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of Beach Erosion

Survey by Van Dorn Notes JJE Date 8-17-55

Map No. ____ Indexed C. Johnson Date ____



STATION	B. S.	H. I.	F. S.	ELEV.	Hor. Ang.	Remarks
Test Sight	#	Color	Time			
At CH	1		8:32		93° 00'	
	2				93° 00'	
	3				93° 00'	
	4				93° 00'	
	5				93° 00'	
	6				93° 00'	
	7				93° 00'	
	8				93° 00'	
	9				90° 00'	
	10				90° 00'	
	11				90° 00'	
	12				90° 00'	
	13				90° 00'	
	14				90° 00'	
	15				90° 00'	
	16				90° 00'	
	17				90° 00'	
	18				90° 00'	
	19				90° 00'	
	20				90° 00'	

N-3

146+00-N

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761.298 307 8-53

76L298 307 8-53

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F. B. 2302 Pg. 262 Job No 2300.02 Division No. 10 Notes Red. Date Plotted Date No. Profile

Survey of Beach Erosion Date Checked Date No. X-Sec.

Survey by Van Dorn Notes N.N.E. Notes Chkd. Date

Indexed K. C. Johnson Date

STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At On	#	Color	Time	Hor. Ang.	
	21			90° 00'	
	22			90° 00'	
	23		8:37	90° 30'	
146+00-N					Range Line 146+00-N
N. 3					

76L298 307 8-53

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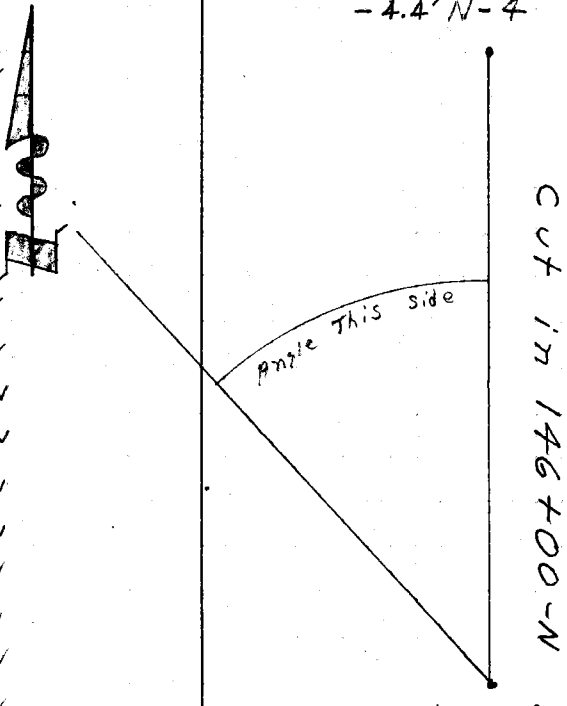
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

STATION	B. S.	H. I.		F. S.	ELEV.		
Inst. Sight At Ch	#	Color		Time	Hor. Ang.		Remarks
	1	31.7	27.3	8:32	75° 25'	2306	
	2	30.7	26.3		74° 18'	2135	
	3	30.2	25.8		73° 32'	2030	
	4	29.6	25.2		72° 50'	1942	
	5	28.9	24.5		72° 00'	1847	
	6	28.3	23.9		71° 14'	1766	
	7	27.5	23.1		70° 15'	1671	
	8	25.7	21.3		69° 11'	1578	
	9	25.2	20.8		68° 17'	1506	
	10	24.3	19.9		66° 55'	1408	
	11	23.8	19.4		65° 40'	1327	
	12	22.7	18.3		64° 13'	1242	
	13	22.0	17.6		62° 48'	1167	
	14	20.9	16.5		60° 55'	1079	
	15	19.1	14.7		58° 38'	984	
	16	17.9	13.5		57° 11'	930	
	17	17.1	12.7		56° 16'	899	
	18	16.1	11.7		55° 08'	861	
	19	14.5	10.1		54° 12'	832	
	20	12.5	8.1		52° 56'	794	

140+00 N-4

Zero Adj. -0.7
Boat Adj. +1.0
Tide -4.7 (blue 4.9)
-4.4 N-4



Profile Notes Red. Plotted Job No. 2300.02 Division No. 10 F.B. 2302 Pg. 263
No. Date Date Survey of Beach Erosion Study
X-Sec. Notes Chkd. Checked Survey by Van Deren Notes R.T. Date 8-17-55
No. Date Date Map No. Indexed A. C. Johnson Date

76L298 307 8-53

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

F.B. 2302 Pg. 269 Job No 300.02 Division No. 10 Notes Red. Plotted No.
Survey of Beach Erosion Study Date 6-12-55 Date X-Sec.
Survey by Van Deren Notes R.F. Notes Chkd. Checked No.
Indexed K. C. Johnson Date Date Date

STATION Inst. Sight At	On	B. S. #	H. I. Color		F. S. Time	ELEV. Hor. Ang.		Remarks	
140+00	N-4	21	10.3	5.9		51° 43'	760	Cut in	146+00-N
		22	8.8	4.4		50° 36'	730 ✓		
		23	7.9	3.5	8.37	49° 08'	693 ✓		

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. Cut-in X

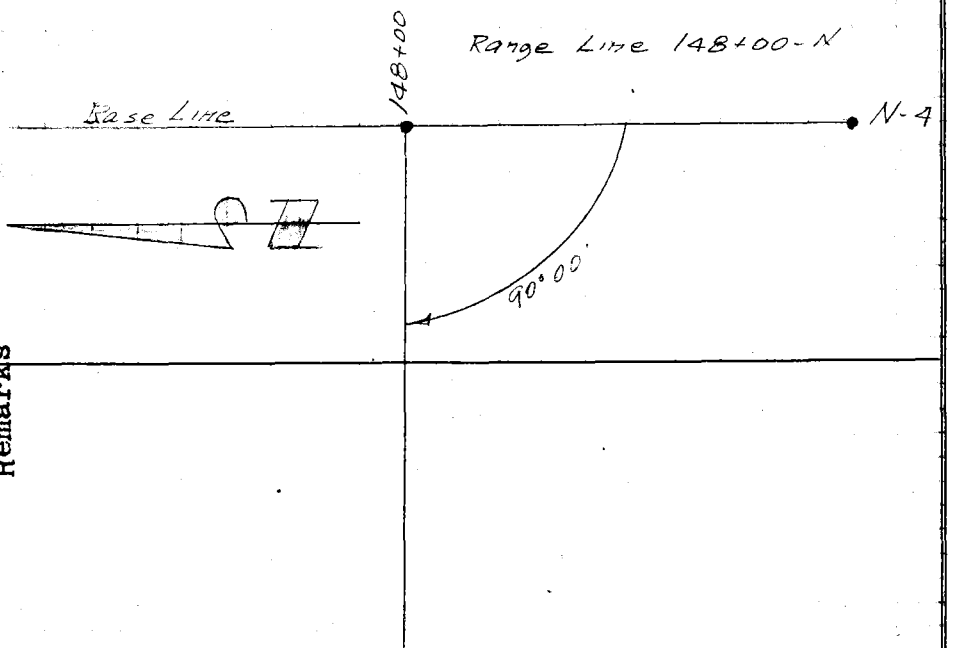
Inst. at N-5 Sight on 148+00

STATION	B. S.	H. I.	F. S.	ELEV.				
B.M. 27-12	0 56	58 19		57 63	B.M. 27-12 U.S. 3785 5767 ELEV. 54.834 2.800 M.L.L.W. 57.634			
T.P.	0 25	40 51	1793	40 26				
T.P.	0 94	24 42	1703	23 48	TOP BOULDER			
148+08			52	192				
75 FT LEFT			65	1791		BRK		
100 " "			56	188				
130 " "			52	192		BRK		
200 " "			80	164				
300 " "			112	132				
400 " "			133	111				
500 " "			114	130				
555 " "			92	152				
600 " "			143	101		NEAR WATER		
T.P.	-2 1	8 4	1390	1052				
			60	24	66° 39'	656 ✓		
			113	-2.9	68 29	718 ✓		
			154	-7 0	70 42	808 ✓		
			197	-11 3	71 52	864 ✓		

IN SHORE
N. 148+00

Profile Notes Red. Plotted. Job No. 8300.02 Division No. 10 F. B. 2302 Pg. 265
No. Date Date Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. Checked Survey by ENGLISH Noted G.O.A.E. Date 8-17-35
No. Date Date Map No. Traced Date

Profile	Notes Red.	Plotted	Job No. 0300.02	Division No. 10	F. B. 2302	Pg. 267
No.	Date	Date	Survey of Beach Erosion			
X-Sec.	Notes Chkd.	Checked	Survey by Van Deren	Notes J.J.E.	Date 8-17-55	
No.	Date	Date	Map No.	Indexed C. Johnson	Date	



STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At On	#	Color	Time	Hor. Ang.	
	1		8:48	90°00'	
	2			90°00'	
	3			90°00'	
	4			90°00'	
	5			90°00'	
	6			90°00'	
	7			90°00'	
	8			90°00'	
	9			90°00'	
	10			90°00'	
	11			90°00'	
	12			90°00'	
	13			90°00'	
	14			90°00'	
	15			90°00'	
	16			90°00'	
	17			90°00'	
	18			90°00'	
				8:52	

N-4

148+00-N

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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76L298 307 8-53

F. B. 2302 PG. 268 Job No. 03001 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Date Date No.

Survey by Van Deren Notes J. J. E. Notes Chkd. Checked X-Sec.

Indexed C. Johnson Date Date Date No.

76L298 307 8-53

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Hor. Ang.	Remarks
148+00-N						
4-4						
Inst. sight At OR	#	Color	Time			Range Line
						148+00-N

76L298 307 8-53

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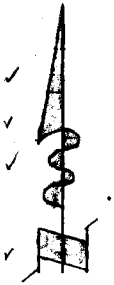
Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.		Remarks
	1	30.5 ✓ 25.9	8:48	69° 30'	2140 ✓	
	2	28.8 ✓ 24.2		67° 17'	1911	
	3	27.2 ✓ 22.6		64° 44'	1695 ✓	
	4	26.6 ✓ 22.0		62° 56'	1566 ✓	
	5	25.9 ✓ 21.3		61° 12'	1455 ✓	
	6	25.1 ✓ 20.5		59° 29'	1357	
	7	23.9 19.3		57° 34'	1259 ✓	
	8	22.4 ✓ 17.8		55° 18'	1155 ✓	
	9	20.6 ✓ 16.0		53° 33'	1083 ✓	
	10	18.8 ✓ 14.2		51° 00'	988 ✓	
	11	18.0 ✓ 13.4		49° 17'	930 ✓	
	12	16.8 ✓ 12.2		48° 17'	897 ✓	
	13	16.2 ✓ 11.6		47° 13'	864 ✓	
	14	15.2 ✓ 10.6		46° 23'	840 ✓	
	15	13.1 ✓ 8.5		45° 15'	807 ✓	
	16	11.7 ✓ 7.1		44° 20'	782 ✓	
	17	10.3 ✓ 5.7		43° 22'	756 ✓	
	18	9.1 ✓ 4.5	8:52	42° 09'	724 ✓	

140+00

N-4



Zero Adj. -0.7
Boat Adj. +1.0
Tide -4.9
-4.6

148+00

N-5

-5.0

N-4

Angle This side

Cut in 148+00-N

140+00

Profile Notes Red. Plotted Job No. 2300.02 Division No. 10 F.B. 2302 Pg. 269
No. Date Date Survey of Beach Erosion Study
X-Sec. Notes Chkd. Checked Survey by Van Deren Notes R.T. Date 8-17-55
No. Date Date Map No. Date

Fr. Bk. 2302 Pg. 270 | Job No. 0300.02 Division No. 10 | Notes Red. | Plotted | Profile

Survey of Beach Erosion Study | Date 8-17-55 | Date | No.

Survey by Van Deren Notes R. T. | Notes Chkd. | Checked | X-Sec.

Indexed | Date | Date | Date | No.

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76L298 307 8-53

NOTE: ANY ADDITIONS 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.	Remarks
At Station					
#		Color	Time	Hor. Ang.	

76L298 S & E #307 9-54

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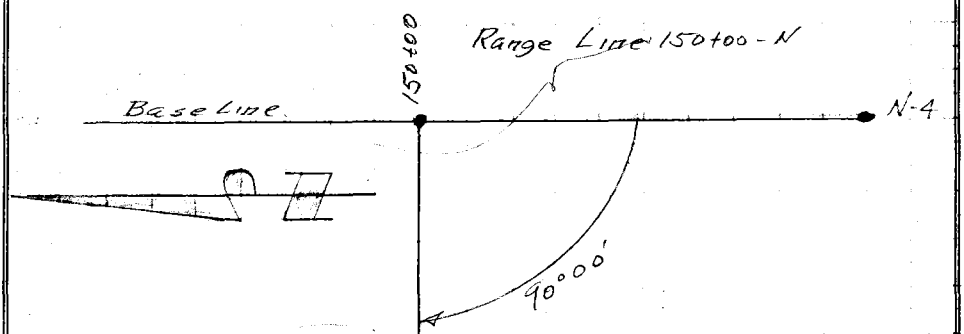
Do not extend notes this side of this line. Cat-in-A

Profile Notes Red. Plotted. Job No. 30002 Division No. 10 F. B. 2302 Pg. 271
No. Date. Date. Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. Checked. Survey by DREIER ENGLISH Noted G.D.E.E. Date 8-17-35
No. Date. Date. Map No. Indexed C. Johnson Date

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at 146+00	Sight on 150+00	
					(Note: Sight on 150+00, not N-9)		
148+00 T. P. (3rd LINE)	0 94	24 42		23 48			
T.P. N-6A	4 20	18 36	10 26	14 16	N-6A		
150+00			16	16 8			
100 FT. LEFT			27	15 7			
200 " "			36	14 8			
300 " "			50	13 4			
377 " "			72	11 2		Low	
400 " "			73	11 1			
500 " "			55	12 9			
576 " "			29	15 5			
600 " "			70	11 4			
T.P. 612 " "	-0 9	8 4	903	9 33			
			5 9	2 5	58° 24'	650 ✓	
			11 6	-3 2	60 32	708 ✓	
			14 1	-5 7	61 26	735 ✓	
			18 0	-9 6	62 36	772 ✓	

INSHORE
N. 150+00

Profile	Notes Red.	Plotted	Job No. 2300.02	Division No. 10	F. B. 2302	Pg. 273
No.	Date	Date	Survey of Beach Erosion			
X-Sec.	Notes Chkd.	Checked	Survey by Van Deren	Notes V.W.E.	Date 8-17-55	
No.	Date	Date	Map No.	Indexed G. Johnson	Date	



STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At On	#	Color	Time	Hor. Ang.	
	1		9:00	90°00'	
	2			90°00'	
	3			90°00'	
	4			90°00'	
	5			90°00'	
	6			90°00'	
	7			90°00'	
	8			90°00'	
	9			90°00'	
	10			90°00'	
	11			90°00'	
	12			90°00'	
	13			90°00'	
	14			90°00'	
	15			90°00'	
	16			90°00'	
	17			90°00'	
	18			90°00'	
	19			90°00'	
	20			90°00'	

N-4

150+00-N

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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76L298 307 8-53

F. B. 2302 PG. 274 Job No. 0300.02 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Date Date No.

Survey by Van Deren Notes J. J. E. Notes Chkd. Checked X-Sec.

Indexed A. C. Johnson Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
150+00-N					
N-4					
Inst. Sight	#	Color	Time	Hor. Ang.	
At On	21		9:05	90°00'	
					Range Line 150+00-N

76L298 307 8-53

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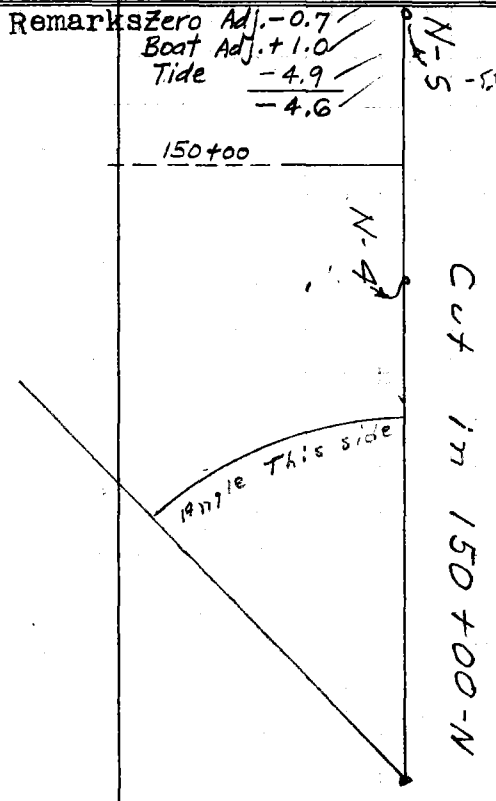
Do not extend notes this side of this line.

STATION		B. S.	H. I.		F. S.	ELEV.	
Inst. At	Sight On	#	Color		Time	Hor. Ang.	
		1	33.5	28.9	9:00	68° 44'	2569
		2	32.2	27.6		66° 45'	2328
		3	30.7	26.1		64° 18'	2078
		4	29.0	24.4		62° 37'	1931
		5	27.9	23.3		60° 13'	1747
		6	27.2	22.6		58° 36'	1638
		7	26.2	21.6		56° 52'	1532
		8	25.2	20.6		55° 11'	1439
140+00	N-4	9	23.7	19.1		52° 48'	1318
		10	22.2	17.6		49° 59'	1191
		11	21.0	16.4		47° 37'	1096
		12	20.3	15.7		45° 34'	1020
		13	19.0	14.4		44° 30'	983
		14	18.6	14.0		43° 13'	940
		15	17.7	13.1		42° 04'	903
		16	16.7	12.1		41° 00'	869
		17	15.4	10.8		40° 02'	840
		18	14.0	9.4		38° 57'	808
		19	11.7	7.1		37° 42'	773
		20	9.4	4.8		36° 29'	740

Remarks Zero Adj. -0.7
Boat Adj. +1.0
Tide -4.9
-4.6



Profile Notes Red. Plotted Job No. 0300.02 Division No. 10 F.B. 2302 Pg. 275
No. Date Date Survey of Beach Erosion Study
X-Sec. Notes Chkd. Checked Survey by Van Deren Notes R.T. Date 8-17-55
No. Date Date Map No. Indexed Johnson Date

F.B. 2302 Pg. 276 Job No. 2300.02 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Study Date 8-17-55 Date No.

Survey by Van Deren Notes R.T. Notes Chkd. Checked X-Sec.

Indexed K. C. Johnson Date Date Date No.

140+00-N

N-4

STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sta. At OH	#	Color	Time	Hor. Ang.	
	2	7.8	3.2	9.05	35 32
					714 Cut 17
					150+00-N

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76L298 307 8-53

76L298 S & E #307 9-54

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Do not extend notes this side of this line.

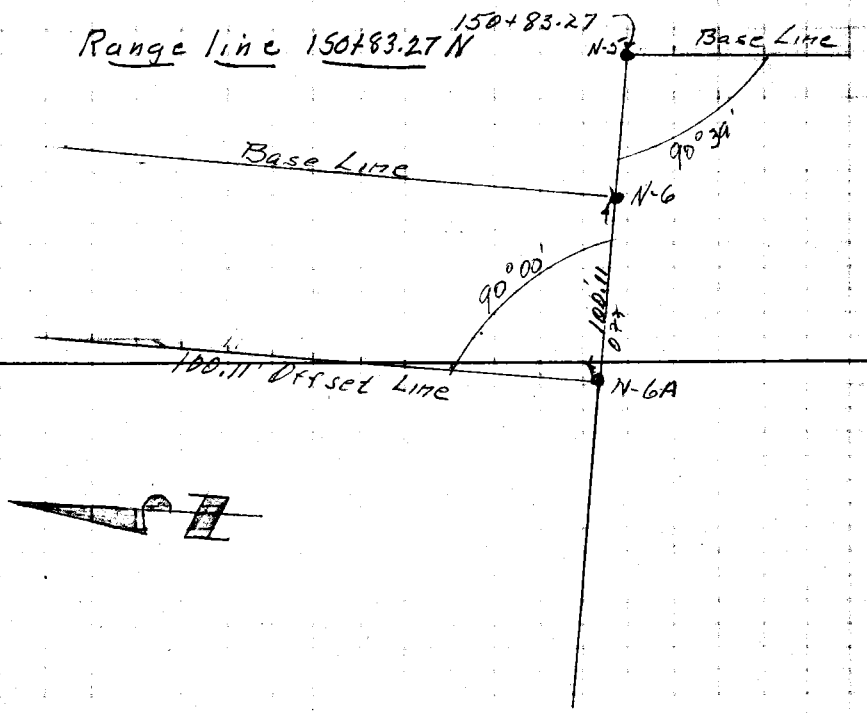
Cat-in X

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at N-7	Sight on 150+83.27
					100.11	Offset
T.P. N-6A	4 20	18 36		1416		
150+83.27			33	151		
100 FT LEFT			36	148		
200 " "			40	144		
300 " "			61	123		
370 " "			70	114	Low	
400 " "			70	114		
500 " "			53	131		
576 " "			30	154		
600 " "			60	124		
612			88	96		
T. P.	-09	8 4	903	933		
			58	26	47 01	519 ✓ +100 = 619
			129	-45	51 01	598 ✓ = 698
			139	-75	53 38	657 ✓ = 757
			180	-96	55 11	696 ✓ = 796

INSHORE
N 150+83.27

Profile Notes Red. ____ Plotted ____ Job No. 030002 Division No. 10 F. B. 2302 Pg. 277
No. ____ Date ____ Date ____ Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. ____ Checked ____ Survey by DREIER ENGLISH Notes G.D.&E.E. Date 8-17-55
No. ____ Date ____ Date ____ Map No. ____ Date ____

Profile	Notes Red.	Plotted	Job No. 0300.02	Division No. 10	F. B. 2302	Pg. 279
No.	Date	Date	Survey of Beach Erosion			
X-Sec.	Notes Chkd.	Checked	Survey by Van Deren	Notes J.V.E.	Date [illegible]-17-55	
No.	Date	Date	Map No.	Indexed G. Johnson	Date	



STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At On	#	Color	Time Hor. Ang.		
	1		9:25	90°00'	
	2			90°00'	
	3			90°00'	
	4			90°00'	
	5			90°00'	
	6			90°00'	
	7			90°00'	
	8			90°00'	
	9			90°00'	
	10			90°00'	
	11			90°00'	
	12			90°00'	
	13			90°00'	
	14			90°00'	
	15			90°00'	
	16			90°00'	
				9:30	

N-7 on 100.11 Offset

150+83.27

N-6A

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76L298 307 4-50

F. B. 2302 Pg. 280 Job No. 8300.02 Division No. 10 Notes Red.______ Plotted______ Profile

Survey of Beach Erosion Date______ Date______ No.______

Survey by Van Deren Notes J.W.E. Notes Chkd.______ Checked______ X-Sec.

Indexed R. C. Johnson Date______ Date______ Date______ No.______

STATION	B. S.	H. I.	F. S.	ELEV.	
					Range Line 150+83.27-N

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76L298 307 4-50

76L298 307 8-53

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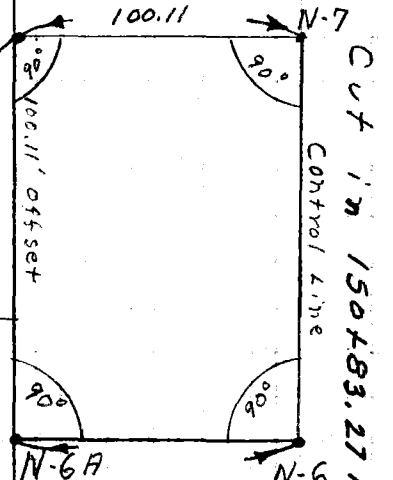
Profile Notes Red. Plotted Job No. 3262 Division No. 10 F.B. 2302 Pg. 281
No. Date Date Survey of Beach Erosion Study Date 8-17-53
X-Sec. Notes Clkd. Checked Survey by Van Dexter Notes R.T. Date
No. Date Map No. Traced J. Johnson Date

STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At Ch	#	Color	Time	Hor. Ang.	
N-7 100.11' offset	1	29.7 25.1	9:25	75° 34'	1881 +100' OFF
	2	28.8 24.2		74° 42'	1769
	3	27.3 22.7		73° 08'	1596
	4	26.3 21.7		71° 52'	1478
	5	25.7 21.1		70° 37'	1376
	6	25.1 20.5		68° 49'	1249
	7	23.7 19.1		66° 49'	1130
	8	22.9 18.3		64° 52'	1032
	9	21.6 17.0		62° 45'	940
	10	19.6 15.0		60° 04'	841
	11	18.7 13.6		58° 21'	785
	12	16.7 12.1		56° 23'	728
	13	15.4 10.8		55° 06'	694
	14	13.9 9.3		53° 41'	658
	15	11.7 7.1		52° 51'	639
N-6A = 150+83.27	16	9.7 5.1	9:30	52° 16'	625

Zero Adj. -0.8
Boat Adj. +1.0
Tide -4.8
-4.6
-4.9



Cut in 150+83.27 N

F.B. 2302 Pg. 282 Job No. 0300.02 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Study Date 8-12-55 Date No.

Survey by Van Dexen Notes R.T. Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At OH	#	Color	Time	Hor. Ang.	

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761.298 307 8-53

76L298 S & E #307 9-54

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Do not extend notes this side of this line. Cut in ∡

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at N-7	Sight on 152+00
150+00					100.11	Offset
T.P. (LINE 2)	4 20	18 36		14 16		
T.P.	6 47	19 32	5 51	12 85		
152+00			55	13 8		
100 FT. LEFT			50	14 3		
200 FT. LEFT			51	14 2		
300 " "			60	13 3		
400 " "			67	12 6		
500 " "			48	14 5		
530 " "			41	15 2	BRK	
550 " "			74	11 9		
T.P. 582 " "	0 6	7 51	12 47	6 85		
			6 9	[illegible]	55° 33' 535 +100 = 635	
			11 5	-4 [illegible]	58 44 604	704
			15 [illegible]	-7 [illegible]	60 56 660	760
			18 0	-10 [illegible]	62 14 697	797

INSHORE
N 152+00

Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 10 F. B. 2302 PG. 283
No. ____ Date ____ Date ____ Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. ____ Checked ____ Survey by DREIER ENGLISH Notes G.D.&E.E. Date 8-17-35
No. ____ Date ____ Date ____ Map No. ____ Inspector C. Johnson Date ____

F. B. 530 Pg. 285

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0302.02 Division No. 10
Date ____ Date ____ Survey of Beach Erosion
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by Van Dorn Notes J.V.E. Date 9-17-51
Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

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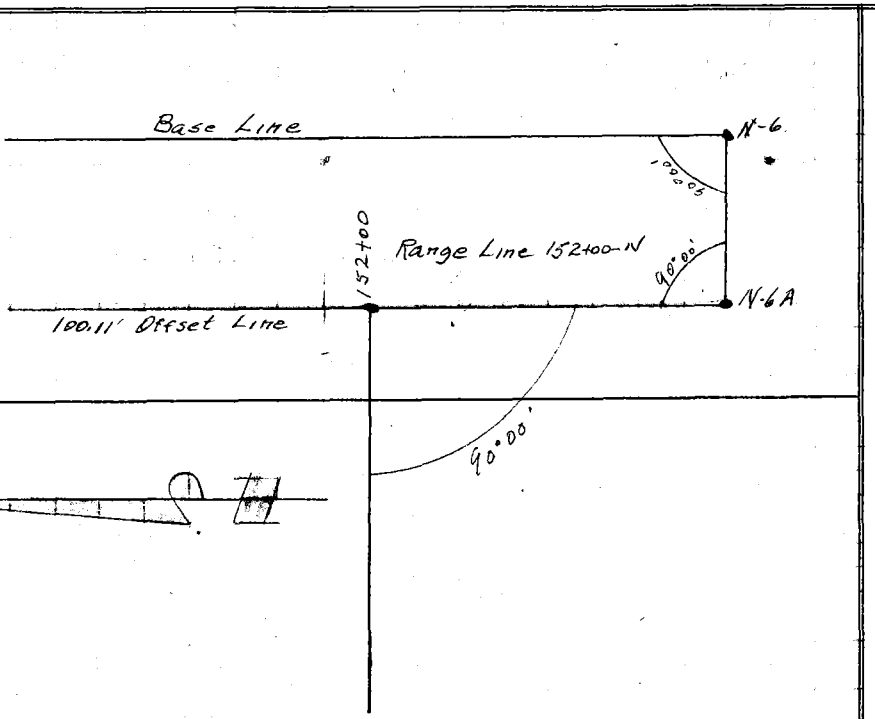
726 Los Angeles County Engineering Bldg.

Do not extend notes this side of this line.



STATION	B. S.	H. I.	F. S.	ELEV.
Inst. Sight On	#	Color	Time	Hor. Ang.
	1		9:37	90°00'
	2			90°00'
	3			90°00'
	4			90°00'
	5			90°00'
	6			90°00'
	7			90°00'
	8			90°00'
	9			90°00'
	10			90°00'
	11			90°00'
	12			90°00'
	13			90°00'
	14			90°00'
	15			90°00'
	16			90°00'
	17		9:40	90°00'

Remarks

N-6A

152+00 on 100.11' Offset Line

761.298 307 8-53

F. B. 2302 Pg. 286 | Job No. 2300.02 Division No. 1 0 | Notes Red. | Plotted | Profile

Survey of Beach Erosion | Date | Date | No.

Survey by Van Deren Notes J.V.E. | Notes Chkd. | Checked | X-Sec.

Indexed C. C. Johnson Date | Date | Date | No.

152400-N

OM 100.11' 077500 Line

N-6A

STATION	B. S.	H. I.	F. S.	ELEV.	Hor. Ang.	Remarks
At Station	#	Color	Time			
						Range Line 152400-N

Do not extend notes this side of this line.

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

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 Los Angeles County Engineering Bldg.

76L298 307 8-53

76L298 307 8-53

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

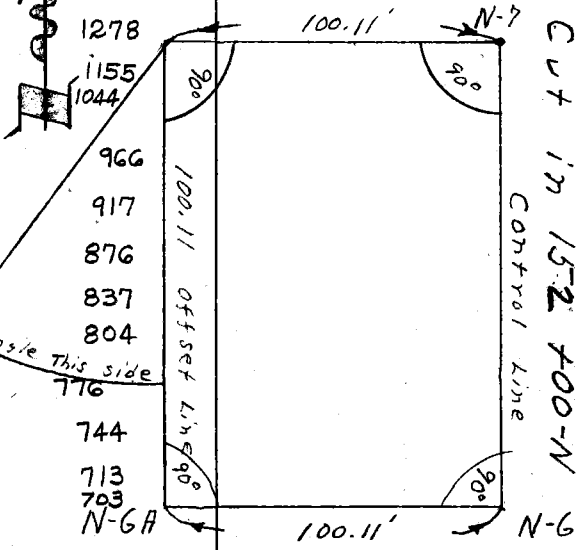
STATION	B. S.	H. I.		F. S.	ELEV.		
Inst. Sight At On	#	Color		Time	Hor. Ang.		Remarks
	1	28.4 void	24.1	9:37	78° 28'	1799 ✓ +100 =	1899
	2	27.0	22.7		76° 46'	1561 ✓	1661
	3	25.8	21.5		75° 40'	1436 ✓	1536
	4	25.2	20.9		74° 24'	1314 ✓	1414
	5	24.5	20.2		72° 42'	1178 ✓	1278
	6	23.2	18.9		70° 49'	1055 ✓	1155
	7	22.2	17.9		68° 45'	944 ✓	1044
	8	20.2	15.9		67° 02'	866 ✓	966
	9	18.5	14.2		65° 48'	817 ✓	917
	10	17.6	13.3		64° 41'	776 ✓	876
	11	16.6	12.3		63° 31'	737 ✓	837
	12	15.7	11.4		62° 27'	704 ✓	804
	13	14.2	9.9		61° 30'	676 ✓	776
	14	12.2	7.9		60° 18'	644 ✓	744
	15	10.2	5.9		59° 05'	613 ✓	713
	16	9.0	4.7		58° 41'	603 ✓	703 N-6A
	17	7.5	3.2	9:40	57° 30'	576 ✓	676

Zero Adj. -0.5
Boat Adj. +1.0
Tide -4.8
-4.3

100.11 off set 7A

N-6A = 150+83.27

Angle This side



Cut in 152+00-N

Profile Notes Red. Plotted Job No. 0300.02 Division No. 10 F.B. 2302 Pg. 287
No. Date Date Survey of Beach Erosion Study
X-Sec. Notes Chkd. Checked Survey by Van Deren Notes N.T. Date 8-12-55
No. Date Date Map No. Indexed C. Johnson Date

F.B. 2302 Pg. 188 Job No. 0300.02 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Study Date 8-17-55 Date No.

Survey by Van Deren Notes R.T. Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

76L298 307 8-53

NOTE: ANY ADDITIONS 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.	Remarks
Inst. Sight At OR	#	Color	Time	Hor. Ang.	

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.

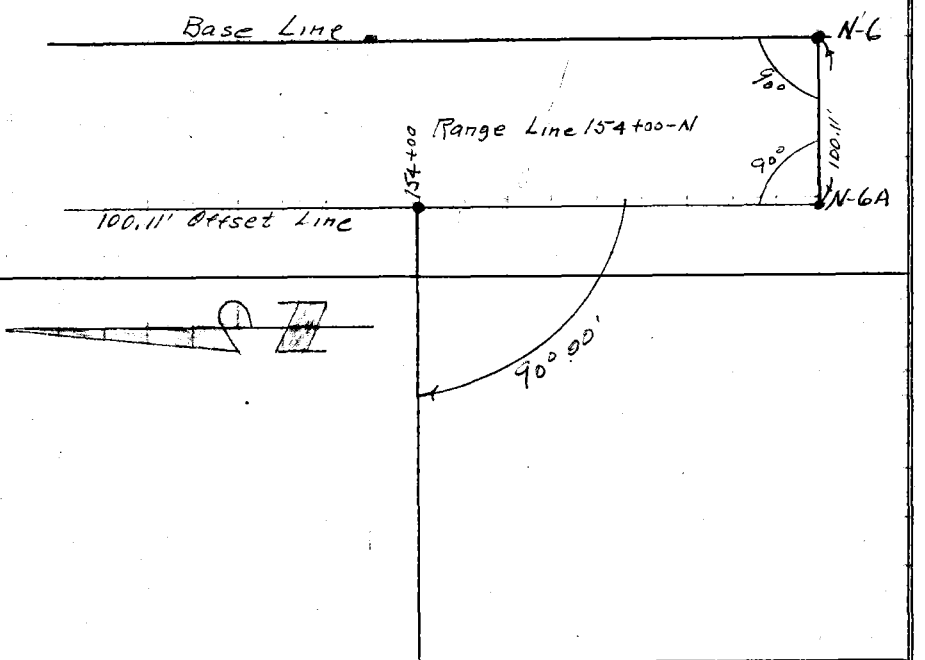
Do not extend notes this side of this line. Cut-in X

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. at N-6A	Sight on 154+00
150+00					150.11	Offset
T.P. (LINE 2)	4 20	18 36		14 16		
T.P.	6 47	19 32	5 51	12 85		
154+00					IN TENNIS COURTS	
25 FT LEFT			57	13 6		
100 FT LEFT			47	14 6		
200 " "			50	14 3		
300 " "			61	13 2		
400 " "			58	13 5		
503 " "			40	15 3		
531 " "			37	15 6		
550 " "			71	12 2	BRK	
585 " "			130	6 3	NEAR WATER	
T.P.	0 6	7 5	12 47	6 85		
			5 4	2 1	59° 16' 533 ✓ +100 off	= 633
			11 6	-4 1	62 26 607 ✓	707
			14 7	-7 2	63 58 649 ✓	749
			17 1	-9 6	64 59 679 ✓	779

INSHORE
N. 154+00

Profile Notes Red. ____ Plotted ____ Job No. 030202 Division No. 10 F. B. 2302 Pg. 289
No. ____ Date ____ Date ____ Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. ____ Checked ____ Survey by E.E. & G.D. Notes EE&GD Date 8-17-55
No. ____ Date ____ Date ____ Map No. ____ Checked ____ Date ____

Profile	Notes Red.	Plotted	Job No. 0300.02	Division No. 10	F. B. 2302	Pg. 291
No.	Date	Date	Survey of Beach Erosion			
X-Sec.	Notes Chkd.	Checked	Survey by Van Doren	Notes S.V.E.	Date 8-17-53	
No.	Date	Date	Map No.	Indexed C. Johnson	Date	



STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At	#	Color	Time	Hor. Ang.	
	1		9:49	90°00'	
	2			90°00'	
	3			90°00'	
	4			90°00'	
	5			90°00'	
	6			90°00'	
	7			90°00'	
	8			90°00'	
	9			90°00'	
	10			90°00'	
	11			90°00'	
	12			90°00'	
	13			90°00'	
	14			90°00'	
	15			90°00'	
	16			90°00'	
	17			90°00'	
	18			90°00'	
	19			90°00'	
	20			90°00'	

N-6A

154+00

on 100.11' Offset 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.

PLEASE RETURN TO

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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76L298 307 8-53

F.B. 2302 Pg. 292 Job No. 0300.02 Division No. 10 Notes Red. Plotted Profile

Survey of Beach Erosion Date Date No.

Survey by Van Deren Notes V.V.E. Notes Chkd. Checked X-Sec.

Indexed K. C. Johnson Date Date Date No.

76L298 307 8-53

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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.	Remarks
Inst. Sight At	#	Color	Time	Hor. Ang.	
	21		9:54	90° 00'	

154+00-N

On 100.11' Offset Line

N-6A

Range Line 154+00-N

76L298 307 8-53

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

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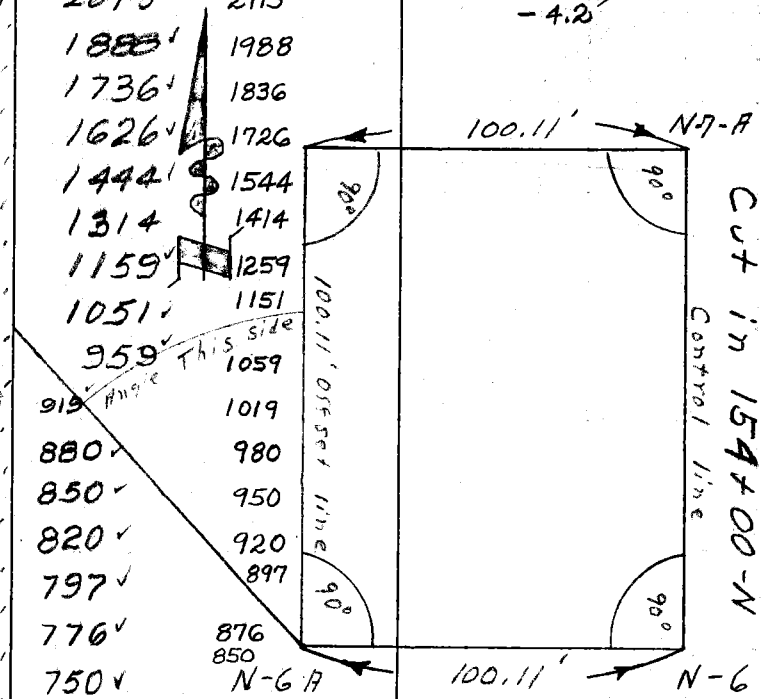
Do not extend notes this side of this line.

STATION	B. S.	H. I.		F. S.	ELEV.		
Inst. Sight At CH	#	Color		Time	Hor. Ang.		Remarks
	1	30.5	26.3	9:49	81° 03'	2013	2113
	2	29.7	25.7		80° 28'	1888	1988
	3	28.0	23.8		79° 39'	1736	1836
	4	27.2	23.0		78° 58'	1626	1726
	5	25.9	21.7		77° 37'	1444	1544
	6	25.0	20.8		76° 26'	1314	1414
	7	23.8	19.6		74° 42'	1159	1259
	8	22.5	18.3		73° 13'	1051	1151
	9	22.0	17.8		71° 42'	959	1059
	10	21.2	17.0		70° 58'	919	1019
	11	20.0	15.8		70° 12'	880	980
	12	18.8	14.6		69° 33'	850	950
	13	18.2	14.0		68° 52'	820	920
	14	17.7	13.5		68° 19'	797	897
	15	17.2	13.0		67° 46'	776	876
	16	16.5	12.3		67° 05'	750	850
	17	15.7	11.5		66° 32'	730	830
	18	14.5	10.3		65° 38'	700	800
	19	12.5	8.3		64° 52'	676	776
	20	10.7	6.5		63° 47'	644	744

Zero Adj. -0.5
Boat Adj. +1.0
Tide -4.7
-4.2



100.11 offset 7A

6-A

Profile Notes Red. Plotted Job No. 03000-02 Division No. 10 F.B. 2302 Pg. 293
No. Date Date Survey of Beach Erosion Study
X-Sec. Notes Chkd. Checked Survey by Van Deren Notes R.T. Date 8-17-55
No. Date Date Map No. Indexed G. Johnson Date

F. B. 2302 Pg. 299 Job No. 0300.02 Division No. 10 Notes Red. Plotted
Survey of Beach Erosion Study Date 8-17-55 Date
Survey by Van Deren Notes R.T. Notes Chkd. Checked
Indexed A. C. Johnson Date Date Date

6-A

100.11 Offset 7 H

Rest. Sight At	Rest. Sight On	#	Color	Time	Hor. Ang.	Remarks
		21	9.2	5.0	91.54	62° 12
						601
						701
						Cut-in 154+00-IN