Profile No.	Notes Rcd.	Plotted	Job No. 0300.02	Division No.	F.B. 2869 PG.
	Date	Date	Survey of Beach Erosion Study		
X-Sec. No.	Notes Chkd.	Checked	Survey by	Notes	Date
	Date	Date	Map No.	Indexed	Date

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

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

Do not extend notes this side of this line.

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

W.N. 0300.02

Beach Erosion Study

of

Mon Street Pier

See FB 2806-246
For Control Lines

5-1-63

Line
Mazonado
Rodriguez Ed.
[illegible]
[illegible]

Microfilmed
April '85

781-298 GE-307 11/66

E.B. 2489 Pg. 6

Job No. 030.02 Division No. 11 Notes Red Plotted Profile

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

Survey by Lind Notes Lind Notes Chkd. Checked

Indexed [redacted] Date Date Date

TEL-228 CE 307 11-58

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

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE IN 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		
S-19	557	27 13		21 56	S-19 EL = 21.565 (MCLW) PER CSB 2100-29	
By 21-47	494	24 45	7 64	19 49	By 21-47 EL = 16.716 + 2.80 = 19.516 MC	
0+00	9 04	28 27	5 20	19 23	* (Control Line 13° offset Line)	
1+00			6 93	21 34		31° Rt. Top of Cut Wall
"			30 1	-1 8	Rod + Lead Line =	6.9 + 23.20 30..
1+50			7 22	21 05		"
"			31 2	-2 9	" " "	7.2 + 24.0 = 31.2
2+00			8 94	19 33		"
"			31 9	-3 6	" " "	8.9 + 23.0 = 31.9
2+50			9 02	19 25		"
"			35 5	-7 2	" " "	9.0 + 26.5 = 35.5
3+00			9 41	18 86		"
"			41 5	-13 2	" " "	9.4 + 32.1 = 41.5
0+00			9 04	19 23	* [illegible]	[illegible]

76L-288 CE 807 11-58

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
0+00	7.65	26.88		19.23	Control Line (13.00 offset)	
0+77.61			5.04	21.84	Control Line	(13.00 offset)
"			6.31	20.57	13° Lt. Top Cat Walk	
"			28.7	-1.8	Rod + Lead Line =	6.3 + 22.4 = 28.7
1+00			4.85	22.03	Control Line	(13.00 offset)
"			6.29	20.59	13° Lt. Top Cat Walk	
"			28.7	-1.8	Rod + Lead Line =	6.3 + 22.4 = 28.7
1+50			4.91	21.97	Control Line	(13.00 offset)
"			6.31	20.57	13° Lt. Top of Cat Walk	
"			30.4	-3.5	Rod + Lead Line =	6.3 + 24.1 = 30.4
2+00			5.01	21.87	Control Line	(13.00 offset)
"			6.40	20.48	13° Lt. Top of Cat Walk	
"			30.3	-3.4	Rod + Lead Line =	6.4 + 23.9 = 30.3
2+50			5.04	21.84	Control Line	(13.00 offset)
"			6.42	20.46	13° Lt. Top of Cat Walk	
"			34.2	-7.3	Rod + Lead Line =	6.4 + 27.8 = 34.2
[illegible]	5.15	26.99	5.04	21.84		

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 P.B. 2889 Pg. 7
No. ____ Date ____ Date ____ Survey of Beach Erosion Studies
X-Sec. Notes Chkd. ____ Checked ____ Survey by Lind Notes Lind Date 5-6-63
No. ____ Date ____ Date ____ Map No. ____ Indexed [illegible] Date ____

76L-298 CE 307 11-55

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV		
		26 99				
3+00			5 25	21 74	Control Line	(13.00 offset)
"			6 68	20 31	13° Lt. Top of Cat Walk	
"			39 0	-12 0	Rod + Lead Line =	6.7 + 32.3 = 39.0
3+50			5 02	21 97	Control Line	(13.00 offset)
"			5 13	21 86	13° Lt. Top of Cat Walk	
"			44 2	-17 2	Rod + Lead Line =	5.1 + 39.1 = 44.2
"			6 34	20 65		17° Rt. Edge
"			44 8	-17 8	Rod + Lead Line =	6.3 + 38.5 = 44.8
3+78.8			4 94	22 05	Control Line	(13.00 offset)
			6 03	20 96		17° Rt Edge
			46 5	-19 5	Rod + Lead Line =	6.0 + 40.5 = 46.5
			4 86	22 13	13° Lt. Top of Cat Walk	
			46 2	-19 2	Rod + Lead Line	4.9 + 41.3 = 46.2
T.P.	5.02	26 85	5 16	21 83		
T.P.	5 19	24 41	7 63	19 22		
By 21-47			4 92	19 49	By 21-47 El=	19.516 (Yellow)

F.B. 2889 Pg. 8 Job No. 0300.02 Division No. 11 Notes Red Plotted Profile
Survey of Beach Erosion Studies Date Date No.
Survey by Lind Notes Lind Notes Chkd. Checked X-Sec.
Indexed R. J. Gal Date MAY 2 '63 Date Date No.

Profile	Notes Red	Plotted	Job No. 0300.02	Division No. 11	F.B. 2889 Pg. 9
No.	Date	Date	Survey of Beach Erosion Studies		
X-Sec.	Notes Chkd.	Checked	Survey by J.M.M.	Notes JMM	Date 9-11-63
No.	Date	Date	Map No.	Indexed [illegible] GALLI	Date [illegible]

J.N. 0300.02

BEACH EROSION STUDY

OF

MONSTADT PIER

See F.B 2806-246
FOR CONROL LINES

ELEV.	
F.B.	9-11-63
H.I.	J.M. Maldonado E. Martinez T. Ohashi R. Moore
B.S.	
STATION	

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

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

Do not extend notes this side of this line.

76-L298 CE 307 2-61

76-L298 CE 307 3-61

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

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
S-19	597	2753		2156	S-19 Elev. = 21.565 (MLLW) Per CSB 2100-29	
BM 21-47	508	2457	804	1949	BM 21-47 El. = 16.716+2.80 = (19.516 MLL	
0+00	922	2843	536	1921	(Control Line	13° Off Set Line)
1+00			711	2132		31° Rt. Top of Cat Wal
"			26.6	-0.2	Rod + Lead Line:	7.1+21.5 28.6
1+50			732	2111		31° Rt. Top of Cat Wal
"			31.4	-3.0	" " " =	7.3+24.1 = 31.4
2+00			933	1910		31° Rt. Top Cat Walk
"			34.1	-57	" " "	9.3+24.8 = 34.1
2+50			932	1911		31° Rt. Top Cat Wall
"			37.4	-90	" " " =	9.3+28.1 = 37.4
3+00			952	1891		31° Rt. Top Cat Walk
"			408	-124	" " " =	9.5+31.3 = 40.8
0+00					Elev. 1921	

F.S. 2387 Pg. 10

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

Survey of Beach Erosion Studies Date Date No.

Survey by Maldonado Notes J.M. Maldonado Notes Chkd. Checked X-Sec.

Indexed: C. J. GAILI Date Date Date No.

76-L-288 CE 307 II 70

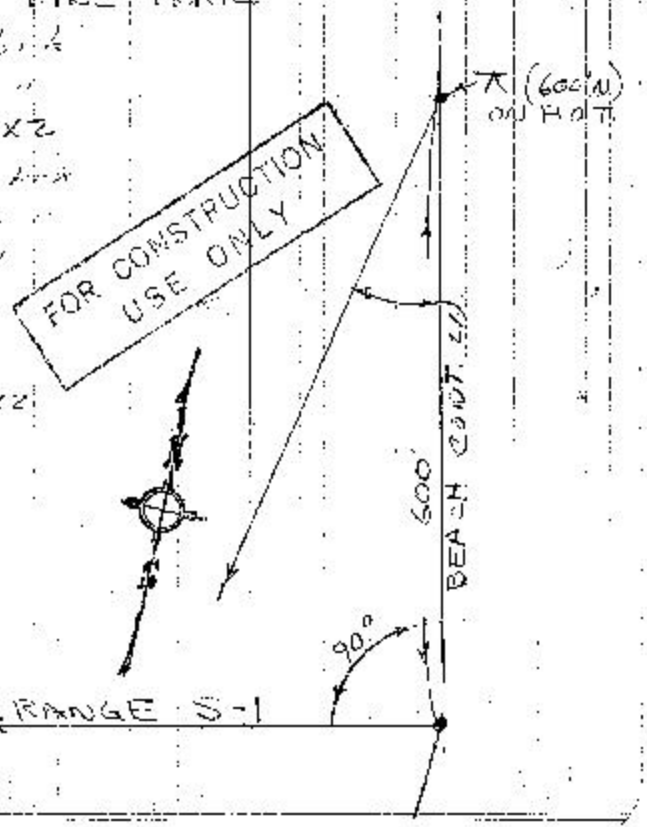
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

DATUM = M.L.L.W

STATION	B.S.	H.I.	F.S.	ELEV.	
PROFILES ON RANGE S-1					
B.M. S-1				19.55	BM S-1 PER F.B. 2889-21
4.6' W				17.4	ed of BIKE TRAIL
47.4' W				18.5	Top brk
52.0' W				16.3	Bot "
73' W				14.[illegible]	TP 1X2
73' W				13.9	Top brk
76' W				11.4	Bot "
136' W				5.7	Sand
162' W				2.1	"
T.P.	1.7	7.5		5.83	T.P. 1X2
1	22°	53'	10.0	-2.5	
2	24°	51'	11.5	-4.0	
3	28°	30'	14.5	-7.0	
4	29°	56'	13.5	-6.0	
5	31°	32'	12.1	-4.6	
6	36°	05'	11.6	-4.1	
7	43°	04'	13.5	-6.0	
8	46°	20'	15.6	-8.1	
9	49°	46'	17.7	-10.2	



FOR CONSTRUCTION USE ONLY

F.B. 2889 Pg. 30 | Job No. 1360.02 | Division No. 11 | Notes Red | Plotted | Profile
Survey of BEACH EROSION S.S. | Date | Date | No.
Survey by RAZEN | Notes | Notes | Checked | X-Sec.
Indexed | Date | Date | Date | No.

76-L298 CE 307 3-81

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
		26 95				
3+00			526	2169	Control Line (13° Off-Set)	
"			666	2029	13° Lt. Top of Cat Walk	
"			391	-122	Rod + Lead Line =	6.7 + 32.4 = 39.1
3+50			502	2193	Control Line (13° Off-Set)	
"			515	2180	13° Lt. Top Cat Walk	
"			432	-163	Rod + Lead Line =	5.1 + 38.1 = 43.2
"			634	2061		17° Rt. Edge
"			441	-172	Rod + Lead Line =	6.3 + 37.8 = 44.1
3+78.8			510	2185	Control Line (13° Off-Set)	
			588	2107		17° Rt. Edge
			459	-190	Rod + Lead Line =	5.9 + 40.0 = 45.9
			485	2210	13° Lt. Top of Cat Walk	
			453	-184	Rod + Lead Line =	4.8 + 40.5 = 45.3
T.P.	509	26 77	527	2168		
T.P.	601	25 18	760	1917		
BM 21-47			572	1946	BM 21-47 Elev. =	19.516 (MLLW)

F.B. 2884 PG. 12

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

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

Survey by Maldonado Notes Chkd. Checked

Indexed J. Gaul Date Date No.

Notes Ck'd: R. DUVERNAY	Survey of: BEACH EROSION - LN-J
Map No.	J.N. 0300.02 Total: 21A 9.154
Office Work	Surveyed by: J. BAZEN
Checked	Notes: J.S.B. Date: 3-27-75
Date: 4/10/75	Indexed: G.D. BAILEY

F.B. 2889 PG. 13

J.N. 0300.02

BEACH EROSION STUDY

PL SEGUNDO

LINE-J.

STORMDRAIN PROJECT NO. 3102

(NEAR LA CITY & EL SEGUNDO BDRY LINE)

FOR CONSTRUCTION USE ONLY

PARTY

J. BAZEN

E. SHOEMAKER

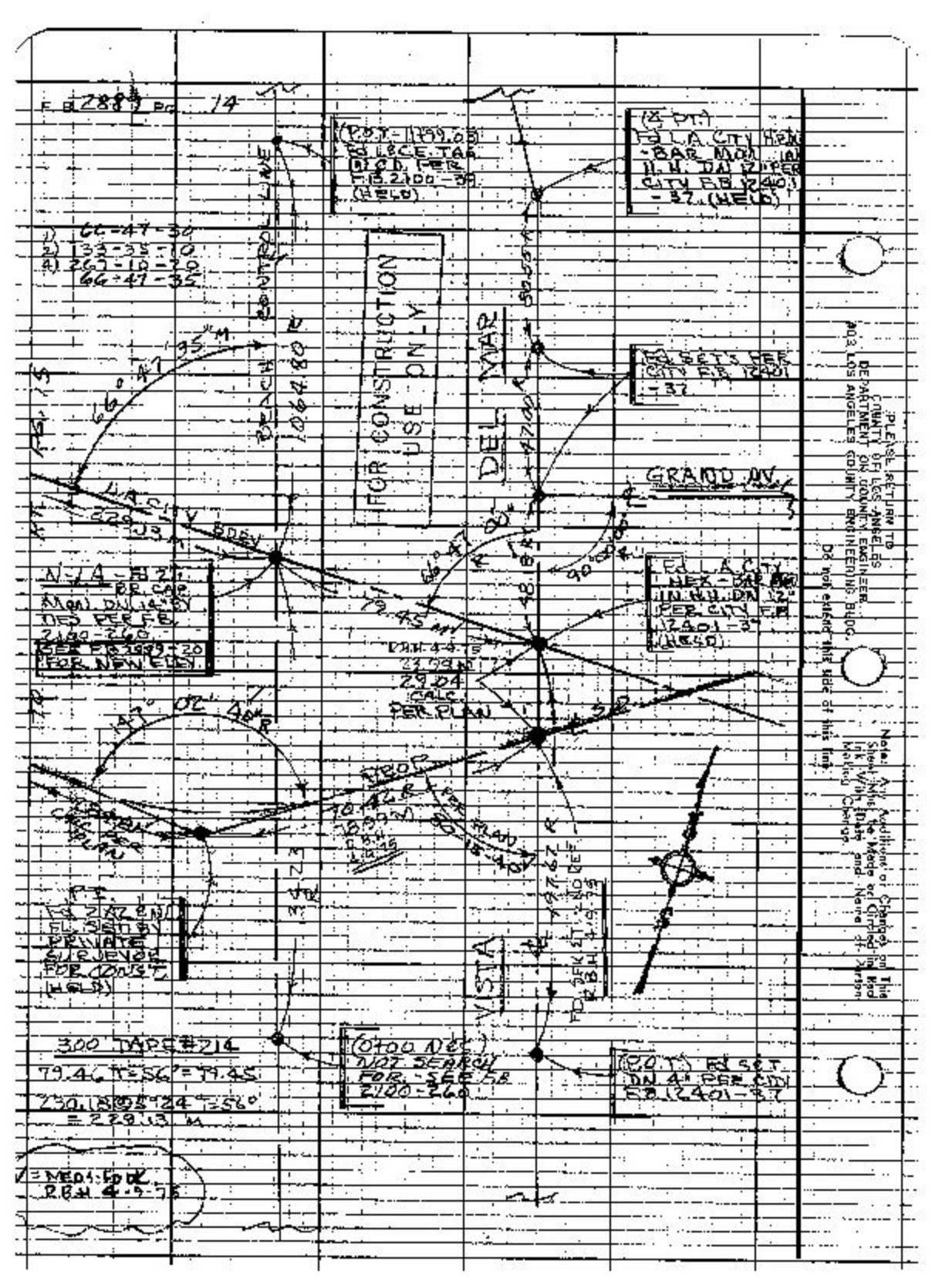
E. TULLIER

M. FUJINAMA

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

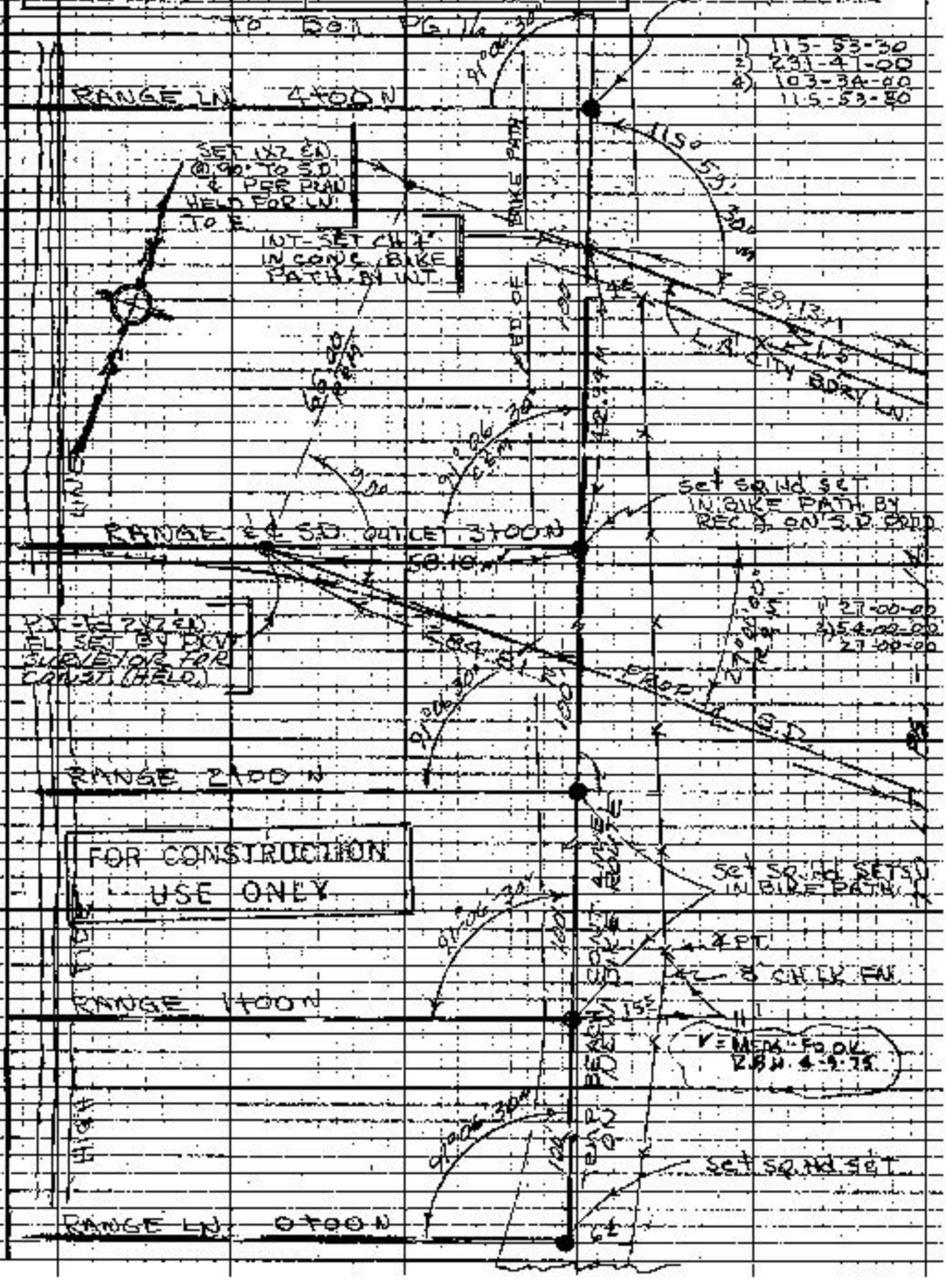
PLEASE RETURN TO COUNTY OF LOS ANGELES DEPARTMENT OF COUNTY ENGINEER 403 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend this side of this line.


F.B. 2889 PG. 14
(P.O.T. - 1199.03) Fd L.B.C.E. TAG ON C.D. PER F.B. 2100-39 (HELD)
(4 PT.) Fd L.A. CITY HEX-BAR MON. IN H.H. DN 12" PER CITY F.B. 12401-37 (HELD)
1) 66-47-30
2) 133-35-10
4) 267-10-20
66-47-35
BEACH CONTROL LINE
1064.80 R
FOR CONSTRUCTION USE ONLY
DEL MAR
Fd SET'S PER CITY F.B. 12401-37
GRAND AV.
L.A. CITY BDRY
229.13 M
N-1A - Fd 2" BR. CAP MON. DN 14" BY DES PER F.B. 2100-260
SEE F.B. 2999-20 FOR NEW ELEV.
Fd L.A. CITY HEX-BAR MON. IN H.H. DN 12" PER CITY F.B. 12401-37 (HELD)
79.45 M
29.04 CALC. PER PLAN
147° 02' 40" R
PROP
70.42 R
PER PLAN
P.I. Fd 2 AZ BN FL. SET BY PRIVATE SURVEYOR FOR CONST. (HELD)
VISTA
300 TAPE #214
79.46 T=56°=79.45
230.18@5°24'=56°
=229.13 M
(0+00 NEC) NOT SEARCH FOR - SEE F.B. 2100-260
(P.O.T.) Fd SET DN 4" PER CITY F.B. 12401-37
V = MEDI. FOOK R.B.H. 4-9-75
PLEASE RETURN TO COUNTY OF LOS ANGELES DEPARTMENT OF COUNTY ENGINEER 403 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Chg. E. DUVERNAY	Survey of BEACH EROSION - LNJ
Map No.	JN 4300.02 Tape 214 Std. 84 °F
Office Work	Surveyed by J. BAZEN
Checked	Notes J.J.B. Date 3-27-75
Date 4/10/75	Indexed G. D. BAILEY

F.B. 2889 PG. 15



Notes: 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 COUNTY OF LOS ANGELES DEPARTMENT OF COUNTY ENGINEER 403 LOS ANGELES COUNTY ENGINEERING BLDG.

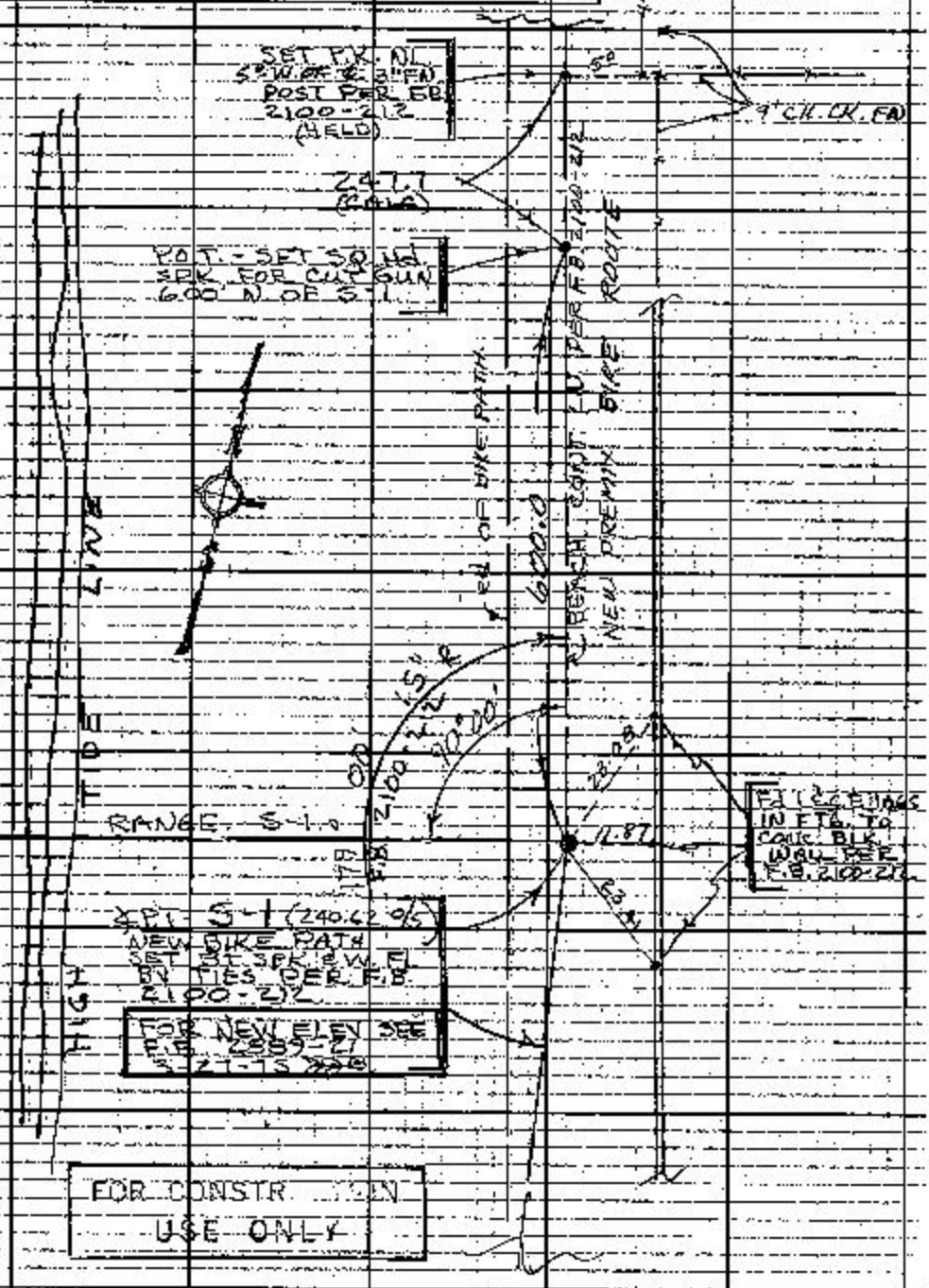
Do not extend this side of this line.

FOR CO... ...UCTION USE ONLY

PLEASE RETURN TO
COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERS BLDG.
Do not extend the side of this line.

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

Notes Ck'd E. DUVERNAY	Survey of BEACH EROSION-UNIT F.B. 2889 PG. 11
Map No.	JN 0300.02 Tape 214 Std. 84 °F
Office Work	Surveyed by J. BAZEN
Checked	Notes J. B. Date 3-27-75
Date 4/10/75	Indexed G. D. BAILEY BY 4B



FOR CONSTRUCTION USE ONLY

Notes: 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 COUNTY OF LOS ANGELES DEPARTMENT OF COUNTY ENGINEER 409 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend this side of this line.

F.B. 2889 Pg. 19

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

X-Sec. No. ____ Notes Chk. R. DUVERNAY Date 4/10/75 Checked ____ Date ____

Survey of BEACH EROSION - LINE J.

Survey by BAZEN Notes J.J.B. Date 3-27-75

Map No. ____ Indexed R. D. BAILEY Date [illegible]

ADDITIONAL BENCH LEVELS

FOR

J.N. 0300.02

BEACH EROSION STUDY FOR

STORMDRAIN PROJECT NO. 3102

LINE - J.

DATUM = (M.L.L.W.) F.B. 2100-16J

FOR CONSTRUCTION USE ONLY

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

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

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

Do not extend notes this side of this line.

76-L-286 CE 307 8-70

76-L.280 CE 307 8-70

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

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

Do not extend notes this side of this line.

F.B. 2889 Pg. 20
Survey of BEACH EROSION - SD LINE-J Division No. 11 Notes Red Plotted Profile
Job No 68062
Surveyed by BALEW Notes C.E.S. Date Checked No. X-Sec.
Indexed G.DANIEL Date 4/26/72 Date 4/26/72 No.

DATUM = M.L.L.W

STATION	B. S.	H. I.	F. S.	ELEV.	
BM 27-4	6 07	33 32		27 25	BM 27-4 ELEV = 24.45 + 2.80 = 27.25 (M.L.L.W)
					(U.S.C. & G.S. BM. B-768) U.S. 3RD ORD 3½" DISK
T.P.	6 04	38 82	0 54	32 78	SET VERT. IN N.E. COR. OF STD. OIL PUMP
					STA. PER F.B. 2100-167.
N-1A	1 49	38 88	1 43	37 39	N-1A ELEV = 37.396 = (M.L.L.W.)
					FD 2½" BR. CAP MON DN. 14' ON CITY LINE
T.P.	0 04	32 82	6 10	32 78	PER F.B. 2100-260 & F.B. 2889-14
T.P.	0 27	27 38	5 73	27 09	
T.P.	4 28	23 86	8 17	19 21	
6+00			4 72	19 14	L & CE TP in bicycle trail
5+00			5 43	18 43	LSG HO. SAT " " "
0+00	5 56	24 56	4 86	19 00	LSG HO SAT " " "
T.P.	5 [illegible]	26 [illegible]	4 [illegible]	[illegible]	SAT
TP	5 [illegible]	25 [illegible]	[illegible]	20 [illegible]	"
TP	5 34 5	25 66 5	4 [illegible]	[illegible]	"
TP	3 20	24 82	4 [illegible]	[illegible]	to S. side of N end wall 20± N of ℄ Std.
					Oil pipe Line pier
TP	4 87	24 96	4 73	20 09	SAT
TP	4 77	25 32	4 41	20 55	POT Sq. Hd. Std. at Flash

FOR CONSTRUCTION USE ONLY

76-L-228 CE 307 8-70

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	DATUM = M.L.L.W
		25 32			
T.P.	499	24 92	5 39	19 93	SPK. (M.L.L.W)
S-1	612	25 675	5 365	19 ~~555~~ 597	S-1 ELEV = 19.597 BT. SPK. & W. PER
T.P.	592	27 31	4 285	21 390	F.B. 2889-17
T.P.	507	28 16	4 22	23 09	SPK.
T.P.	502	28 43	4 75	23 41	"
T.P.	5645	29 345	4 73	23 70	"
T.P.	934	32 225	6 46	22 885	1×2
T.P.	5395	32 405	5 215	27 010	SPK.
BM 27-1			5 785	26 ~~620~~ 68	BM 27-1 (USC & G.S. BM. V-767 US. 3802)
					ELEV. = 23.88 + 2.80 = 26.68 (M.L.L.W.)
					SEE F.B. 2100-167

FOR CONSTRUCTION USE ONLY

Profile Notes Red ____ Plotted ____ Job No. 83 00.02 Division No. 11 F.B. 2889 Pg. 21
No. ____ Date ____ Date ____ Survey of BEACH EROSION - S.D. LINE J.
X-Sec. Notes Ch. R. DUVERNAY Red. ____ Survey by BAZEN Notes C.E.S. Date 3-27-75
No. ____ Date 4/10/75 Date ____ Map No. ____ Indexed G.D. BAILEY Date ____

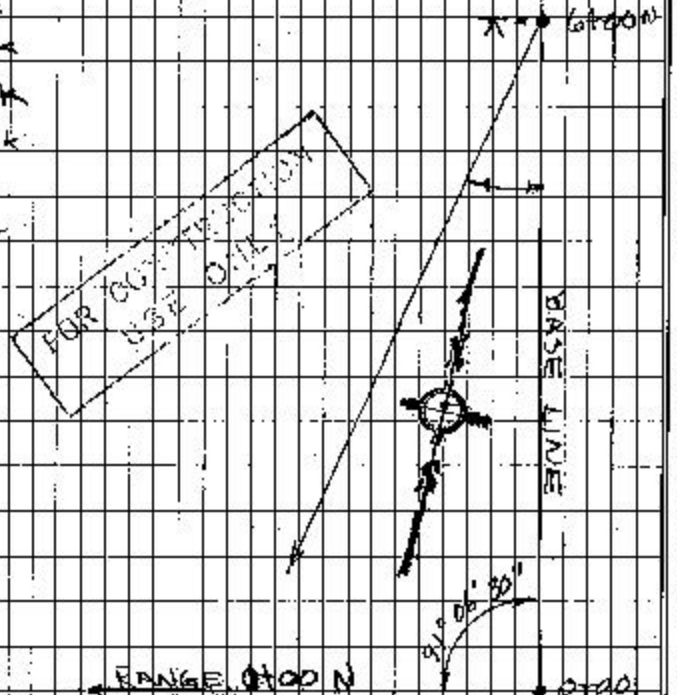
76-L-288 CE 307 8-70

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	DATUM = M.L.L.W.
PROFILES ON RANGE 0+00 N					
B.M. 0+00				19.00	B.M. 0+00 – PER F.B. 2889-20
8.5' W				18.83	ed. OF BIKE TRAIL
54' W				17.3	Brk
100' W				13.3	Brk
106 W				11.1	Brk
128 W				8.2	Brk
180 W				2.9	
1 T.P.	6.2	9.0		3.8	1x2
1	20°	24'	9.9	-0.9	
2	27°	31'	9.6	-0.6	
3	34°	01'	11.9	-2.9	
4	38°	13'	12.8	-3.8	
5	44°	06'	14.0	-5.0	
6	46°	56'	16.5	-7.5	



FOR CONSTRUCTION USE ONLY

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0200-02 Division No. 11 F.B. 2889 Pg. 23
X-Sec. No. ____ Date ____ Date ____ Survey of BEACH EROSION – E.S.
Notes Checked E. DUVERNAY Checked ____ Survey by BAZEN Notes J.J.B. Date 3-31-75
Date 4/10/75 Date ____ Map No. ____ Indexed G. D. BAILEY Date ____

76-L-298 CE 307 8-70

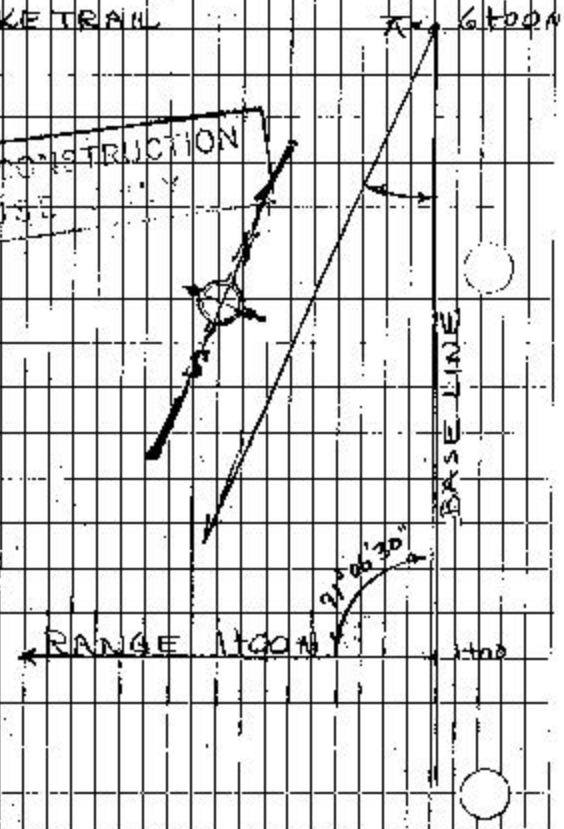
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

DATUM = M.L.L.W.

STATION	B.S.	H.I.	F.S.	ELEV.	
PROFILES ON RANGE 1+00 N					
B.M. 0+00				19.00	BM 0+00 - PER RB 2889 - 20
0.2 W				19.28	ed OF PIKE TRAIL
39 W.				18.0	
100 W				13.4	
108 W				11.0	
130 W				7.6	
175 W				3.2	
T.P.	4.9	9.0		4.1	1x2
1.	52°	05'	17.2	-8.2	
2	49°	29'	14.8	-5.8	
3.	45°	02'	12.4	-3.4	
4.	37°	42'	10.7	-1.7	
5.	30°	38'	9.4	-0.4	
6.	23°	33'	10.2	-1.2	



FOR CONSTRUCTION USE

F.B. 2889 PG. 24
Job No. 0300-02 Division No. 11 Notes Red. Plotted Profile
Survey of BEACH EROSION - E.S. Date Date No.
Survey by BAZEN Notes J.J.B. Notes Checked X-Sec.
Indexed B.B. BAILEY Date 4/10/75 Date No.

76-L-298 CC 307 8-70

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

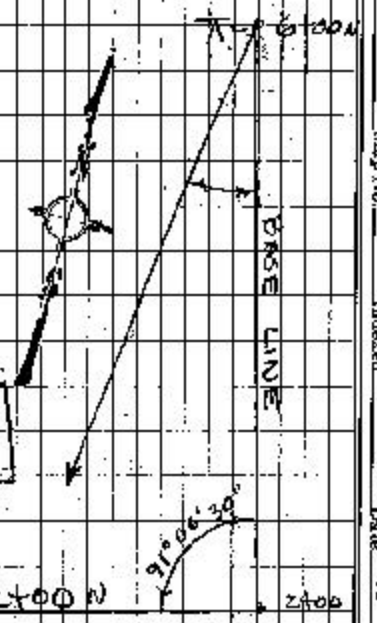
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

7.6

DATUM = M.L.L.W.

STATION	B.S.	H.I.	F.S.	ELEV.	
PROFILES ON RANGE 2+00N					
OM 3+00				18.43	B.M. 3+00 PER F.B. 2889-20
52' W.				18.36	ed. OF BIKE TRAIL
50' W.				15.4	
96' W.				12.4	
107' W.				10.5	
T.P.				10.90	1X2
137' W				6.9	
164 W				4.6	
T.P.	3.9	8.9		5.0	1X2
1.	30°	44'	9.1	-0.2	
2.	39°	53'	9.4	-0.5	
3.	43°	44'	11.0	-2.1	
4.	45°	40'	11.1	-2.2	
5.	49°	30'	11.4	-2.5	
6.	53°	20'	14.0	-5.1	
7.	56°	22'	16.3	-7.4	



FOR CONSTRUCTION USE ONLY

Profile No. ____ Notes Red ____ Plotted ____ Job No. 1300.02 Division No. 11 F.B. 2889 Pg. 25
X-Sec. No. ____ Date ____ Date ____ Survey of BEACH EROSION - E.S.
Notes Checked ____ Checked ____ Survey by BAZEN Notes J.J.B. Date 3-31-75
Date 4/10/76 Date ____ Map No. ____ Indexed G. D. BAILEY Date 4-7-75

76-L-290 CE 307 8-70

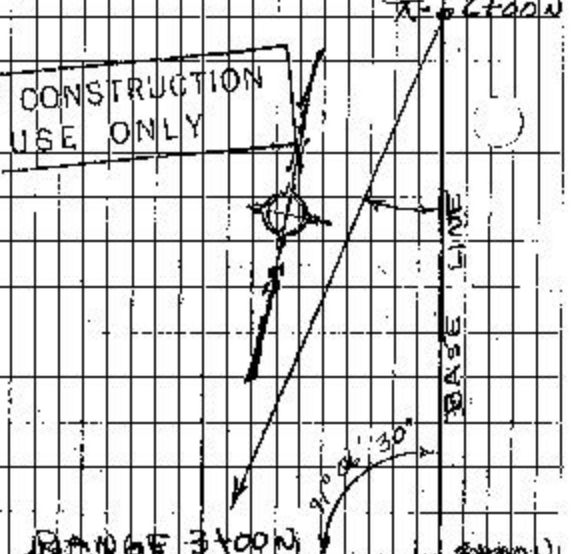
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

1.8
7.0

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	DATUM = M.L.L.W.
PROFILES ON RANGE 3+00 N					
BM. 3+00				18.43	BM 3+00 PER F.B. 2889 - 20
94' W				18.22	ed OF BIKE PATH
50' W				15.9	DIRT
94' W				12.3	BRK
107' W				10.2	"
T.P.				10.60	1X2
137' W				6.9	
165' W				4.3	
T.P.	3.9	9.0		5.1	1X2
1	62°	15'	15.7	-6.7	
2	57°	46'	12.3	-3.3	
3	52°	39'	10.4	-1.4	
4	44°	49'	8.7	+0.3	
5	37°	45'	8.7	+0.3	



F.B. 2889 Pg. 26
Job No. 8300.02 Division No. 11 Notes Red Plotted Profile
Survey of BEACH EROSION - E.S. Date Date No.
Survey by J. BAZEN Notes J.J.B. Notes Checked X-Sec.
Indexed G.D. PAULEY Date Date Date No.

YR-L-208 CE 307 8-70

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

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

Do not extend notes this side of this line.

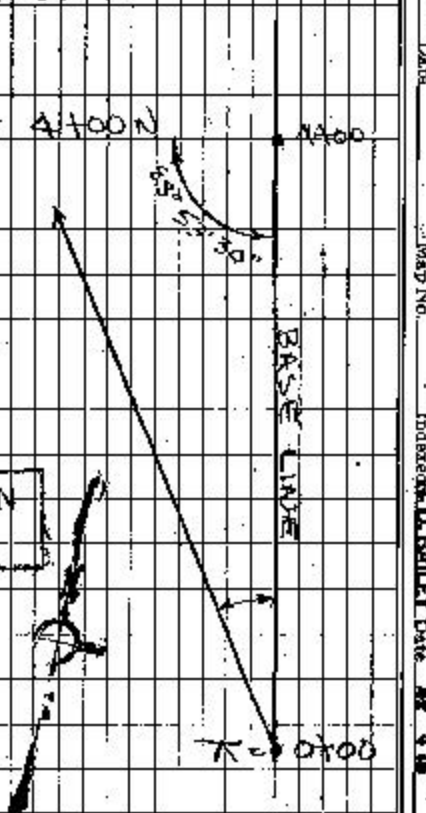
Profile Notes Rod _____ Plotted _____ Job No. 3300.07 Division No. 11
No. _____ Date _____ Date _____ Survey of BEACH EROSION - E.S.
X-Sec. Notes [redacted] Checked _____ Survey by BAZEN Notes J.J.E. Date 3-31-75
No. _____ Date 4/25/75 Date _____ Map No. _____ Indexed D. BAILEY Date 4/28/75

F.B. 2889 Pg. 27

DATUM = M.L.L.W.

STATION	B.S.	H.I.	F.S.	ELEV.	
PROFILES ON RANGE 4700N					
BM 3700				18.43	BM 3700 PER F.B. 2887-20
10.8 W				18.5	ed of BIKE PATH
50' W				19.3	DIRT
90' W				10.6	BRK
98.6' W				10.5	TOP WOOD GRAIN
112' W				8.4	BRK
" T.P.				10.60	T.P. " "
136' W				6.5	
163' W				4.4	
T.P.	42	93		5.1	IK2
1	29°	27'	9.3	+0.0	
2	36°	21'	9.3	+0.0	
3	44°	57'	10.2	-0.9	
4	47°	55'	11.5	-2.2	
5	51°	45'	12.3	-3.0	
6	54°	22'	14.4	-5.1	
7	58°	37'	17.5	-8.2	

FOR CONSTRUCTION USE ONLY



76-L-290 GE 307 8-70

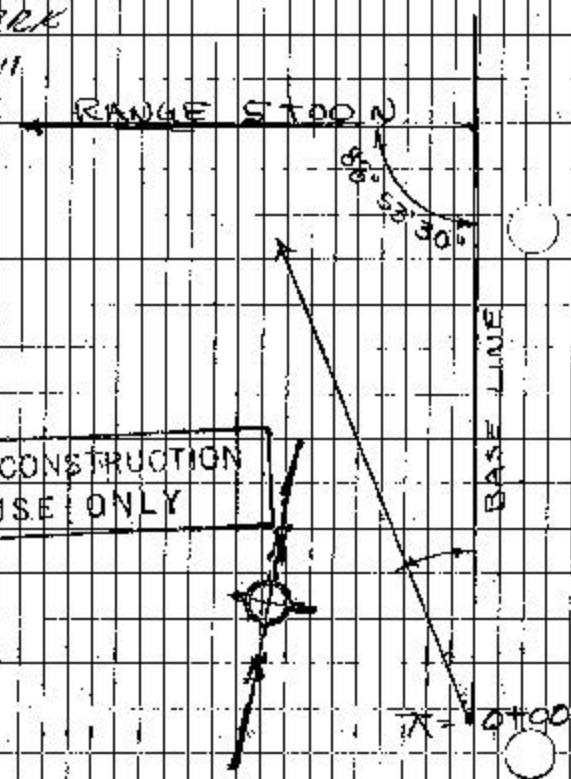
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

DATUM = M.L.L.W

STATION	B. S.	H. I.	F. S.	ELEV.	
PROFILES ON RANGE STOON					
BM 6+00				19.14	BM 6+00 PER F.B. 2889-20
10' W				18.9	ed BIKE TRAIL
35.5 W				13.9	TOP BRK
48.5 W				11.0	BOT. "
102' W				9.8	BRK
T.P.				10.77	1X2
138' W				6.0	
160' W				4.4	
T.P.	4 6	9.3		4.7	1X2
1	51°	33'	16.5	-7.2	
2	48°	28'	13.6	-4.3	
3	43°	46'	12.2	-2.9	
4	37°	26'	11.0	-1.7	
WOOD PILINGS					
5.	28°	58'	10.0	-0.7	
6	23°	10'	9.2	+0.1	



FOR CONSTRUCTION USE ONLY

F.B. 2889 Pg. 28
Job No. 0300.02 Division No. 11 Notes Red Plotted Profile
Survey of BEACH EROSION - E.S. Date Date No.
Survey by BAZEN Notes J.J.B. Notes Chk'd R. DUVERNAY X-Sec.
Indexed G.D. BAILEY Date 4/16/75 Date 4/16/75 No.

78-L-298 CE 307 8-70

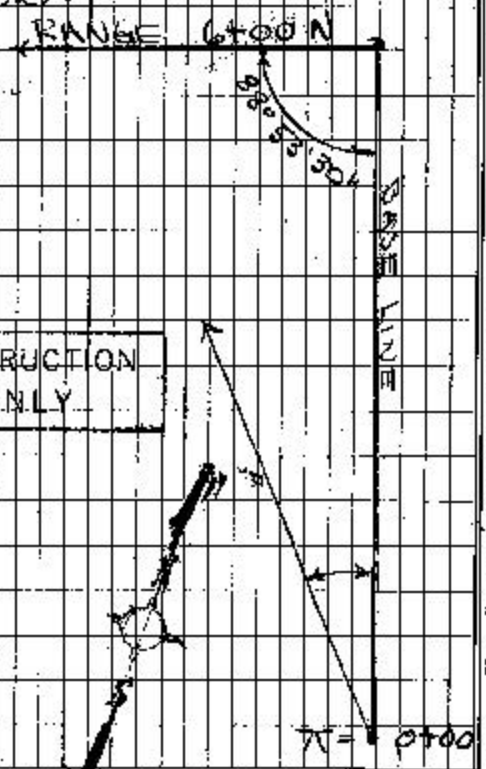
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED, BORED INTO 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.	DATUM = M.L.L.W.
PROFILE ON RANGE 6+00N					
BM 6+00				19.14	BM 6+00 PER F.B. 2889-20
19.0' W.				18.9	CL OF BIKE TRAIL
17.5' W				20.9	DIRT TOP OF BRK.
44' W				15.7	
10.2' W				11.4	
T.P.				11.80	T.P. 1X2
134' W				6.7	
160' W				3.9	
T.P.	5.0	9.3		4.3	1X2
1	20°	53'	9.5	-0.2	✓
2	26°	23'	11.0	-1.7	✓
3	31°	27'	11.4	-2.1	✓
4	37°	49'	13.2	-3.9	✓
5	41°	53'	13.6	-4.3	✓
6	44°	02'	13.2	-3.9	✓
7	46°	36'	16.0	-6.7	✓
8	47°	43'	17.2	-7.9	✓

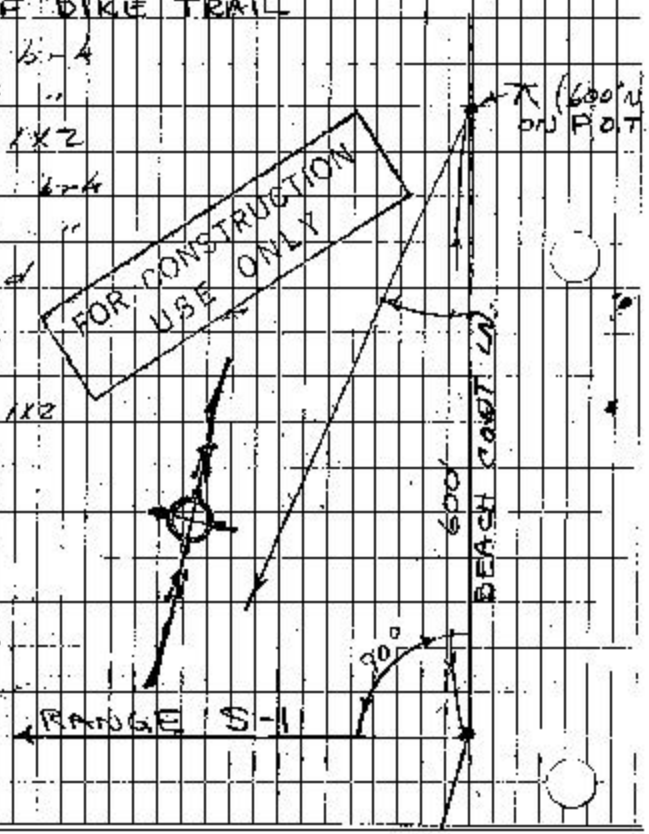
FOR CONSTRUCTION USE ONLY



Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2889 Pg. 29
No. ____ Date ____ Date ____ Survey of BEACH EROSION - E.S.
X-Sec. No. ____ Checked ____ Survey by BAZEN Notes J.J.B. Date 3-31-75
No. ____ Date ____ Date ____ Map No. ____ Indexed G. D. BAILEY Date ____

LOS ANGELES [redacted]
403 Los Ang[redacted]

B.M. S-1			19.55	BM S-1 PER F.B. 2889-21
4.6 W			19.44	ed of BIKE TRAIL
49.4 W			18.5	Top brk
52.0 W			16.3	Bot "
73' W			14.09	TP 1X2
73' W			13.9	Top brk
76' W			11.4	Bot "
136' W			5.7	Sand
162' W			2.1	"
T.P.	1.7	7.5	5.83	T.P. 1X2
1	22° 53'	10.0	-2.5	
2	24° 51'	11.5	-4.0	
3	28° 30'	14.5	-7.0	
4	29° 56'	13.5	-6.0	
5	31° 32'	12.1	-4.6	
6	36° 05'	11.6	-4.1	
7	43° 04'	13.5	-6.0	
8	46° 20'	15.6	-8.1	
9	49° 46'	17.7	-10.2	



F.B. 2889 Pg. 30
Job No. 0300.02 Division No. 11 Notes Red Plotted Date
Survey of BEACH EROSION - E.S. Date Checked
Survey by BOZEN Notes J.J.B. Notes C.E. DUVERNAY Date 4/10/75
Indexed G.D. BAILEY Date