

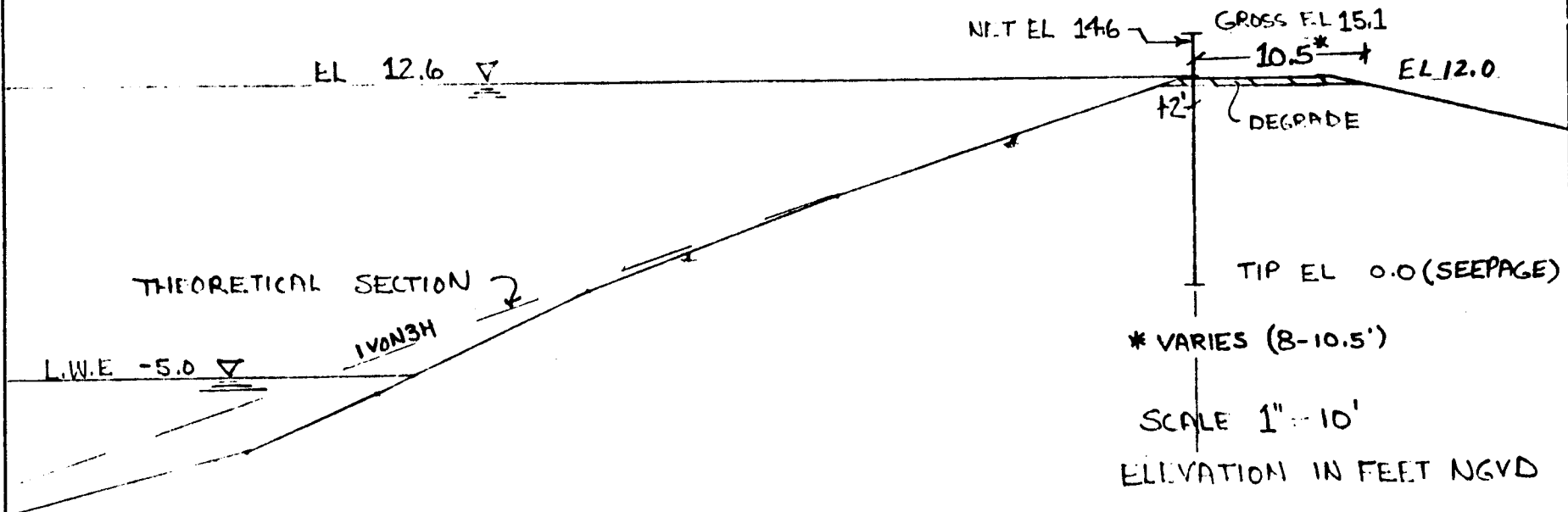
ORLEANS
(AND JEFFERSON) SIDE

STA 643+00

TO

STA 663+00

STA 643+00 TO STA 663+00
JEFFERSON AND ORLEANS SIDES



Q FILES	F.S.	SWL	CASE
Q663 B	1.5	12.6	5

PROJECT	1744 St Collins Canal	PAGE	OF
SUBJECT	JEFFERSON AND ORLEANS SIDES STA 643+00 TO 663+00	CHECKED BY	
		DATE	4/88
		COMPILED BY	F.T.V.
		DATE	4/88

COMPUTATION SHEET
(A6606730)

LMV Form 107e

PREVIOUS EDITIONS MAY BE USED

FOR USE WITH 10 x 10 GRID

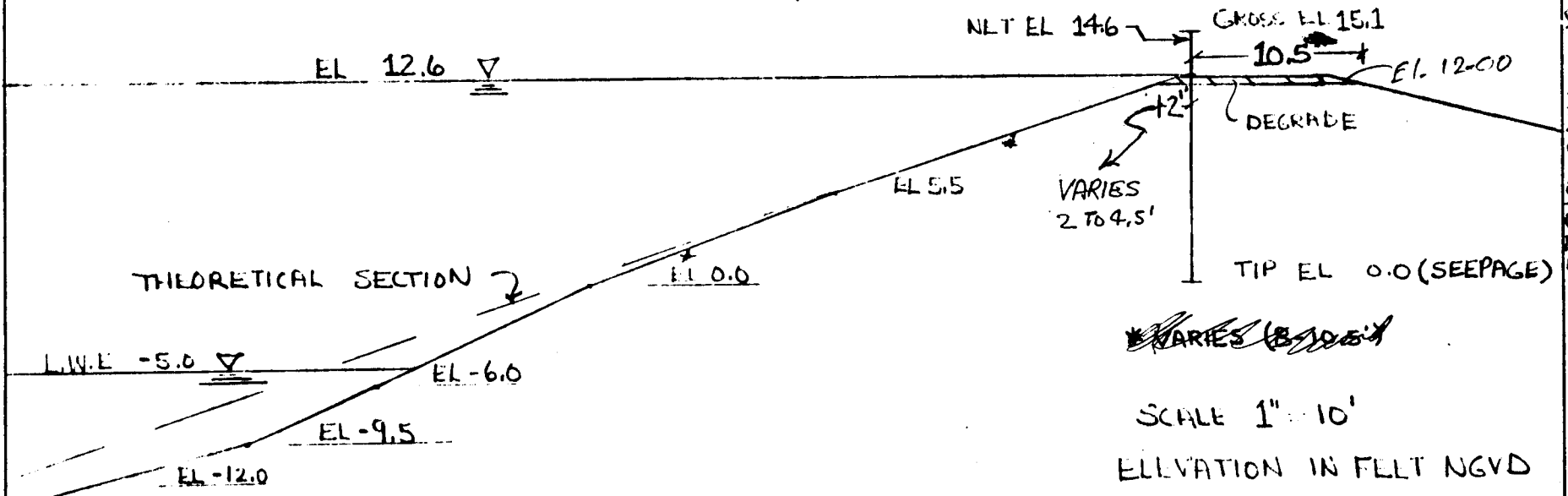
Encl 16

DATE 10/29
NOT 88

STA 643+00 TO STA 663+00
JEFFERSON AND ORLEANS SIDES

PROJECT 17th St Outfall Canal
SUBJECT JEFFERSON AND ORLEANS SIDES STA 643+00 TO 663+00
PAGE OF
COMPUTED BY FJV
CHECKED BY
DATE 4/88
DATE REVISED

PREVIOUS EDITIONS MAY BE USED



~~VARIES 8 TO 10.5'~~

SCALE 1" = 10'
ELEVATION IN FELT NGVD

Q FILES	F.S.	EWL	CASE	
Q663 B	1.5	12.6	S	DRW 22B

Q6631

ADVANCE COPY
SUBJECT TO CORRECTION

FOR USE WITH 10 x 10 GRID

LIST Q6631

1
2 BEAMS (SHEAR, MOMENT, DEFLECTION)

3
4
5 17TH STR. -Q663B-SWL=12.6-S CASE-FS=1.5
6 =1.

7
8 THE REFERENCE SYSTEM SELECTED DEFINES POSITIVE FORCES AS TO THE LEFT
9 INCREASING MEMBER COORDINATES AS UPWARD, AND POSITIVE MOMENTS
10 AS COUNTERCLOCKWISE.

11
12
13 THE MAXIMUM DEFLECTION IS 0.00 INCHES AND OCCURS AT MEMBER COORDINATE
14 14.60 FT.

15
16
17
18 Z22 HAS BEEN GIVEN TO SUPPORT THE LOAD SYSTEM.

19
20 THE WEIGHT OF THIS VERTICAL MEMBER HAS BEEN NEGLECTED.

21
22
23 CALCULATED EXTERNAL LOADS

24	25	26	27
DISTANCE FROM	TYPE OF	MAGNITUDE OF	
REFERENCE(FT)	LOAD	LOAD	
28 10.00	POINT LD	0.00 LBF	
29 10.00	COUPLE	17.63 LBF-FT	

30
31
32 INPUTTED LOADS

33	34	35	36
DISTANCE FROM	TYPE OF	MAGNITUDE OF	
REFERENCE(FT)	LOAD	LOAD	
37 12.60	CONTN LD	0.00 LBF/SQ FT	
38 12.00	CONTN LD	37.50 LBF/SQ FT	
39 12.00	CONTN LD	37.50 LBF/SQ FT	
40 11.66	CONTN LD	0.00 LBF/SQ FT	
41 11.00	CONTN LD	-73.38 LBF/SQ FT	
42 10.67	CONTN LD	-109.70 LBF/SQ FT	
43 10.45	CONTN LD	0.00 LBF/SQ FT	
44 10.00	CONTN LD	219.07 LBF/SQ FT	
45 10.00	CONTN LD	0.00 LBF/SQ FT	

46
47
48 Z22 PROPERTIES ARE AS FOLLOWS.

49
50
51 MOMENT OF INERTIA= 84.38 IN. TO THE 4TH PER FOOT OF WALL
52 CROSS SECTIONAL AREA= ~~6.47~~ SQ IN. 1.84
53 ELASTIC MODULUS= 29000000. LBF/SQ IN.
54 DEFLECTION REFERENCE IS AT 0.000

55
56
57 THE MAXIMUM BENDING MOMENT OCCURS AT A POINT LOAD AT 10.00 FT

58 AND IS -17.63 LBF-FT. THE SHEAR FORCE LIMITS AT THE LOAD ARE
 59 0.00 LBF AND -0.22 LBF.
 60 NO PROBLEM.

61						DEFLECTION
62						FROM TANG.
63						THRU DEFLE
64						REFERENCE
65	DISTANCE	SHEAR FOR	SHEAR STR	BENDING MOM)	
66	(FEET)	(LBF)	(LBF/SQIN)	(LBF-FT)	(INCHES)
66	14.600	0.0	0.0	0.0	0.0000	
67	14.599	0.0	0.0	0.0	0.0000	
68	14.000	0.0	0.0	0.0	0.0000	
69	13.000	0.0	0.0	0.0	0.0000	
70	12.000	11.2	1.7	2.2	0.0000	
71	11.662	17.6	2.7	7.5	0.0000	
72	11.000	-6.7	-1.0	13.8	0.0000	
73	10.450	-49.0	-7.6	-3.0	0.0000	
74	10.448	-49.0	-7.6	-3.1	0.0000	
75	10.003	-0.2	0.0	-17.6	0.0000	
76	10.001	0.0	0.0	0.0	0.0000	
77	10.000	0.0	0.0	0.0	0.0000	
78	9.000	0.0	0.0	0.0	0.0000	
79	8.000	0.0	0.0	0.0	0.0000	
80	7.000	0.0	0.0	0.0	0.0000	
81	6.000	0.0	0.0	0.0	0.0000	
82	5.000	0.0	0.0	0.0	0.0000	
83	4.000	0.0	0.0	0.0	0.0000	
84	3.000	0.0	0.0	0.0	0.0000	
85	2.000	0.0	0.0	0.0	0.0000	
86	1.000	0.0	0.0	0.0	0.0000	
87	0.001	0.0	0.0	0.0	0.0000	
88	0.000	0.0	0.0	0.0	0.0000	

89
 90
 91
 92 *RUN COMPLETED*

LIST DRW22B
 1 100 1 14.6 0 1 0 0 -1
 2 200 PZ22
 3 300 290000000 (6.47) 84.38
 EOT..

REDUCE TO $\frac{3.38}{1.84} \text{ IN}^2/\text{FT.}$