

1110-Gen COE Engr & Des Corres Files-
Subject: Lake Pontchartrain, LA & Vicinity Hurricane
Protection Project, III.P. Seabrook Floodwall Extension
(P&S)

1001008



October 10, 1985

LHNRE-AP

Mr. Emile W. Schneider, President
Board of Levee Commissioners
Orleans Levee District
Suite 202, Administration Building
New Orleans Lakefront Airport
New Orleans, Louisiana 70126

Dear Mr. Schneider:

Our letters, dated March 8, 1985 and April 4, 1985, requested right of entry to construct the New Orleans Lakefront Levee, Lake Pontchartrain and Vicinity, High Level Plan, West of Inner Harbor Navigation Canal, Miscellaneous Gates, Orleans Parish, Louisiana. The limits of work were shown on our previously furnished map, file number H-4-29838, drawings 1 through 3 of 3, dated February 1985.

Subsequently, a change in the construction easement was required for Gate No. 1 to construct four new drop inlets at baseline stations 29+82, 31+24, 32+83 and 34+00. These four new drop inlets are to be joined with reinforced concrete pipes leading to the New Drain Manhole Number 2, as shown on enclosed map, file number H-4-29838, drawing 4 of 4, dated February 1985, revised October 2, 1985. This additional construction easement is between baseline stations 30+00 and 34+50 and extends floodward 80 feet from the baseline. This change involves increasing the construction easement by 0.68 acre. Also, the fence along the construction easement line does not have to be relocated. Please include the above-mentioned enclosed map with the ones previously furnished.

All other aspects of our March 8, 1985 and April 14, 1985 letters remain unchanged.

Your assistance in granting the United States of America right of entry to this additional area for construction, as soon as possible, extending through completion of this project which is currently under contract, is appreciated and will enable us to maintain our work schedule.

Sincerely,

/S/
Thad J. Brown
Chief, Real Estate Division

Enclosure

Copies Furnished:

Mr. C. E. Bailey, Assistant Chief Engineer with enclosure
Board of Levee Commissioners
Orleans Levee District
Suite 202, Administration Building
New Orleans Lakefront Airport
New Orleans, Louisiana 70126

Mr. Marty J. Chabert, Assistant Secretary with enclosure
OPW

Ms. Geneva P. Grille, District Design, Water Resources with enclosure
and Development Engineer
Department of Transportation and Development
7252 Lakeshore Drive
New Orleans, Louisiana 70124

LMVD, ATTN: LMVRE-A without enclosure

LMNE-DD without enclosure
LMNE-DL without enclosure
LMNE-FD without enclosure
LMNOD with enclosure
LMNE-FS without enclosure
LMNCD without enclosure
LMNNO with enclosure
LMNRE-AC with enclosure
LMNRE-P without enclosure

Revised Construction Easement for Lake Pont. & Vicinity,
HPL, N.O. Lake Front Levee West of I.H.N.C., Miscellaneous
Gates

LMNED-DL

Real Est Div

C/Engr Div

4 Oct 85

Mr. Graff/cdb/2772

1. Reference LMNED-DD's DF dated 25 Feb 1985, subject same as above.
2. Pertinent revised information regarding this request is as follows:

a. Type of real estate interest required. Additional construction easement is required to the existing R/W and construction easement area (Revised, 2 Oct 85) for Gate No. 1 as shown on drawings 4 of 4, file no. H-4-29838. The 2 Oct 85 revision provides construction easement to Sta. 34+50 B/L and to extent 80 feet floodward of the baseline. Where the construction easement line meets the fence, the fence line will become the construction easement line to the existing construction easement. The baseline will be the protected side limit for the construction easement.

b. Description of work to be performed. The miscellaneous Gates contract will be modified to include the construction of four new droplets with reinforced concrete pipe joining the inlets to the new drain manhole no. 2 already in the contract.

3. All remaining information provided in reference DF is unchanged.

Encl (12 cys, hand-carried)
Dwg's, file no. H-4-29838
(Revised Oct 85), sheets 4 of 4

FREDERIC M. CHATRY
Chief, Engineering Division

CF; w/o encl

~~LMNED-FD~~ FS

LMNED-SP

LMNED-DD

LMNNO

LMNSD

LMNCD

LMNFD-DL

New Orleans Lakefront Levee West of I.H.N.C.,
Miscellaneous Gate Construction Contract

C/Struc Des Sec

C/Levees Sec

30 July 85

Mr. Wilkey/cdh 0738

1. Request that you make an alinement change and an earthen fill grade change at both the east side and west side of gate 2 where the sheet pile and earthen levee sections interface. A sketch of the requested change is attached. Also attached is a copy of the survey notes.

2. The reason for this request is that a more refined stability analysis was performed by the P&M Br that was based on higher ground elevations found on current surveys taken in the immediate vicinity of the gate. By using the refined analysis, it is now possible to construct the earthen levee section that is shown on the construction dwgs as a 19' wide crown with a 17.5' elevation and side slopes of 1V on 3H to an earthen levee section with a 10' wide crown, 19' elevation, and side slopes of 1V on 2.75H. The earthen fill grade change will prevent having to come back at a later date to raise these short sections to the gross design grade. The alinement change will allow the earthen levee to be constructed to the gross design grade without the realinement of Leroy Johnson Dr.

2 Encls

PARNEY SMITH, JR.
Chief, Levees Section

CF:

P&M Br, Attn: Richardson

DISPOSITION FORM

For use of this form, see AR 340-15; the proponent agency is TAGO.

REFERENCE OR OFFICE SYMBOL

LMNED- FS

SUBJECT

REVIEW OF P/S FOR LAKE PONT., LA. & VICINITY
HURRICANE PROTECTION PROJECT HLP, NEW ORLEANS LAKEFRONT
LEVEE- WEST OF IHNC, MISCELLANEOUS GATES ORLEANS PARISH, LA.

TO

CI DESIGN BR

FROM

CI F&M BR

DATE

30 JULY 85

CMT 1

Mr. ESTRADA /1035

1. REFERENCE IS MADE TO OUR LMNED- FS DF DATED 17 APR 85
SUBJECT AS ABOVE. (ENCL. 1)
2. FURNISHED AS ENCL. 2 IS A REVISED LEVEE SECTION FOR
THE HE-IN OF GATE 2. THIS REVISED SECTION IS BASED
ON CROSS- SECTIONS TAKEN RECENTLY AND IT APPLIES FROM
BIL. STA. 38+50 TO BIL. STA. 42+00.

RODNEY P. PICCIOLA
CHIEF, FOUNDATIONS & MATERIALS BRANCH

2 ENCL.

RP/31

File

DISPOSITION FORM

For use of this form, see AR 340-15; the proponent agency is TAGO.

REFERENCE OR OFFICE SYMBOL

LMNED-FS

SUBJECT

REVIEW OF PFS FOR LAKE Pont., LA. of VIC HURRICANE
Prot. Proj. HLP, NEW ORLEANS LAKEFRONT LEVEE - West of IHNC,
MISCELLANEOUS GATES, ORLEANS PARISH, LA.

TO

C/ DESIGN BR

FROM

C/FIM BR

DATE


17 APRIL 85

CMT2

Mr. ESTRADA / 1035
RE, JR

WE HAVE REVIEWED YOUR RESPONSE TO OUR COMMENTS, AND
AGREE IN MOST OF THEM, EXCEPT FOR THE FOLLOWING EXCEPTIONS:

a. 21.(b); a. 24.(a). Do NOT CONCUR. IF THE LEVEE IS BUILT
UP TO ELE. 19.0 WITHOUT THE STABILITY BERM IT WILL BE
UNSAFE AGAINST SLIDING. THEREFORE, IT IS RECOMMENDED TO
BUILD THE LEVEE UP TO ELE. 17.5 WITH 1 ON 3 SLOPES, AS
SHOWN ON ENCLOSURE 1. IN THE FUTURE WHEN THE RAMP
IS BUILT, THEN, THE LEVEE CAN BE RAISED TO ITS FINAL
GROSS ELE. OF 19.0


RODNEY P. PICCIOLA
CHIEF, FOUNDATIONS & MATERIALS BRANCH

RPB

Add;
1 Enclosure
as

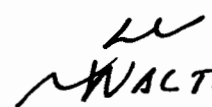
LMNED-DD

23 APR 85 CMT3
Mr Roman / 2645
RM

TO C/FIM BR  FROM C/DES BR.

The plans have been revised as per your
CMT2 recommendation.

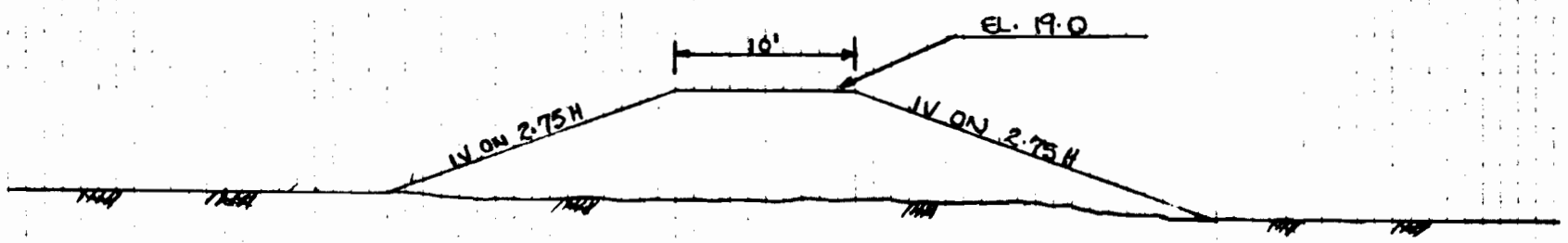
wd Enclosure


WALTER D. JUDLOW, III
Chief, Design Branch

CS

PROTECTED SIDE

FLOOD SIDE



NOT TO SCALE

LAKE PONTCHARTRAIN LA. VICINITY
 HIGH LEVEL PLAN, N.O. LAKEFRONT LEVEE
 IHNC WEST TO LONDON AVE CANAL
 ORLEANS PARISH, LA.
 TIE-IN DESIGN LEVEE SECTION
 BIL. STA. 38+50 TO BIL. STA. 42+00

ENCL. 2

PROJECT	SUBJECT	COMPUTATION SHEET	
		PAGE	OF
		CHECKED BY	COMPUTED BY
		DATE	DATE

4. ISSUING OFFICE
 U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS
 CORPS OF ENGINEERS
 P.O. BOX 60267
 NEW ORLEANS, LA 70160-0267

I CERTIFY that I have opened, read, and recorded on this abstract all offers received in response to this solicitation.

SIGNATURE: *Glynn S. Davis* DATE SIGNED: 20 Jun 85

5. PROJECT TITLE
 LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY, HIGH LEVEL PLAN, NEW ORLEANS LEVEE, WEST OF I.H.N.C., MISCELLANEOUS GATES, ORLEANS PARISH, LOUISIANA

8. GOVERNMENT ESTIMATE
 (Check A, B or C and complete D, E and F.)

GLYNN S. DAVIS (3) NO. 1 9. OFFERS Bid Opening Officer: (1) NO. 2

A. HIRED LABOR
 B. REASONABLE CONTRACT (Without Profit)
 C. REASONABLE CONTRACT (Including Profit)

A. OFFEROR: Atlas Constr. Co. P.O. Box 80 Ruston, La 71273
 B. BID SECURITY (Type and amount): Highlands Ins. Co. Houston, Tx. 77002
 C. ADDENDA ACKNOWLEDGED: 3

6. NUMBER OF ADDENDA ISSUED
 3

7A. ITEM NO.	7B. DESCRIPTION OF OFFERED ITEM	7C. EST. QUANTITY	D. UNIT	E. UNIT PRICE	F. ESTIMATED AMOUNT	D. UNIT PRICE	E. ESTIMATED AMOUNT	D. UNIT PRICE	E. ESTIMATED AMOUNT
1.	Mobilization and Demobilization	Lump Sum	LS	-----	49,700.	-----	30,000.	-----	51,494.
2.	Clearing	Lump Sum	LS	-----	5,000.	-----	21,000.	-----	56,654.
3.	Embankment (Semicompacted Fill)	2,000	CY	13.35	26,700.	12.00	24,000.	5.645.00	22,580.
4.	Structural Excavation and Backfill	Lump Sum	LS	-----	11,100	-----	26,000.	-----	19,665.
5.	Piling, Concrete Precast, Prestressed	3,800	LF	20.00	76,000.	28.00	106,400.	23,008.50	92,034.
6.	Piling, Steel Sheet, Type PZ-35	3,720	SF	17.60	65,472.	15.60	58,032.	16,319.75	65,279.
7.	Piling, Steel Sheet, Type PZ-27	3,350	SF	13.50	45,225.	13.20	44,220.	12,022.50	48,090.
8.	Piling, Steel Sheet, Type PZ-22	5,980	SF	12.00	71,760.	11.90	71,162.	18,466.25	73,865.
9.	Piling, Steel Sheet, Type PSA-23	540	SF	47.75	25,785.	37.00	19,980.	6,677.00	26,708.
10.	Modifications of Existing Utilities	Lump Sum	LS	-----	29,800.	-----	26,000.	-----	32,820.
11.	Fertilizing and Seeding	Lump Sum	LS	-----	2,350.	-----	1,500.	-----	2,200.
12.	Incidental Paving	Lump Sum	LS	-----	43,500.	-----	34,000.	-----	57,341.
13.	Reinforced Concrete Floodwalls	Lump Sum	LS	-----	147,500.	-----	197,456.	-----	129,319.
14.	Structural Steel Gates, Misc. Metals, and Specialty Itm.	Lump Sum	LS	-----	202,000.	-----	155,886.	-----	145,433.

4. ISSUING OFFICE
 U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS
 CORPS OF ENGINEERS
 P.O. BOX 60267
 NEW ORLEANS, LA 70160-0267

I CERTIFY that I have opened, read, and recorded on this abstract all offers received in response to this solicitation.
 SIGNATURE _____ DATE SIGNED _____

5. PROJECT TITLE
 LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY, HIGH LEVEL PLAN, NEW ORLEANS LAKEFRONT LEVEE, WEST OF I.H.N.C., MISCELLANEOUS GATES, ORLEANS PARISH, LOUISIANA

8. GOVERNMENT ESTIMATE
 (Check A, B or C and complete D, E and F.)

9. OFFERS

NO. 1	NO. 2
A. OFFEROR	A. OFFEROR
B. BID SECURITY (Type and amount)	B. BID SECURITY (Type and Amount)
C. ADDENDA ACKNOWLEDGED	C. ADDENDA ACKNOWLEDGED

6. NUMBER OF ADDENDA ISSUED

7A. ITEM NO.	7B. DESCRIPTION OF OFFERED ITEM	7C. EST. QUANTITY	D. UNIT	E. UNIT PRICE	F. ESTIMATED AMOUNT	D. UNIT PRICE	E. ESTIMATED AMOUNT	D. UNIT PRICE	E. ESTIMATED AMOUNT
15.	TOTAL				\$801,892.00		\$815,636.00		\$823,482.00
	OTHER BIDDERS:								
	2. Farrell Construction Co., 1821 E. Freeway, Suite 610, Houston, Tx 77029								\$1,274,569.00
	4. Boh Bros. Construction Co., Inc., P. O. Drawer 53266, New Orleans, La 70119								\$ 847,000.00
	NO MINOR INFORMALITIES								

DISPOSITION FORM

For use of this form, see AR 340-15; the proponent agency is TAGO.

REFERENCE OR OFFICE SYMBOL

LMNED-FS

SUBJECT REVIEW OF PFS FOR LAKE Pont., LA. of Vic HURRICANE
PROT. PROJ. HLP, NEW ORLEANS LAKEFRONT LEVEE - WEST of IHAC,
MISCELLANEOUS GATES, ORLEANS PARISH, LA.

TO

FROM

DATE

CMT#

C/ DESIGN BR


C/F&M BR

17 APRIL 85

Mr. ESTRADA / 1035
RE, JR

WE HAVE REVIEWED YOUR RESPONSE TO OUR COMMENTS, AND
AGREE IN MOST OF THEM, EXCEPT FOR THE FOLLOWING EXCEPTIONS:

a. 21.(b); a. 24.(a). Do NOT CONCUR. IF THE LEVEE IS BUILT
UP TO ELE. 19.0 WITHOUT THE STABILITY BERM IT WILL BE
UNSAFE AGAINST SLIDING. THEREFORE, IT IS RECOMMENDED TO
BUILD THE LEVEE UP TO ELE. 17.5 WITH 1 ON 3 SLOPES, AS
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IS BUILT, THEN, THE LEVEE CAN BE RAISED TO ITS FINAL
GROSS ELE. OF 19.0


ANTHONY P. PICCIOLA
CHIEF, FOUNDATIONS & MATERIALS BRANCH

RPB

Add;
1 Enclosure
as


LMNED-DD

23 APR 85 CMT 3
Mr Roman / 2645
RM

TO C/F&M BR  FROM C/DES BR

The plans have been revised as per your
CMT 2 recommendation.

wd Enclosure


WALTER D. JUDWIN, III
Chief, Design Branch

CS

DISPOSITION FORM

For use of this form, see AR 340-15; the proponent agency is TAGO.

REFERENCE OR OFFICE SYMBOL

LMNED-FS

SUBJECT

REVIEW OF PFS FOR LAKE Pont., LA. of Vic HURRICANE
PROT. Proj., HLP, NEW ORLEANS LAKEFRONT LEVEE - WEST of IHAC,
MISCELLANEOUS GATES, ORLEANS Parish, LA.

TO

C/ DESIGN Br

FROM

C/F&M Br

DATE

17 April 85


CMT2

Mr. ESTRADA / 1035
RE, JR

WE HAVE REVIEWED YOUR RESPONSE TO OUR COMMENTS, AND
AGREE IN MOST OF THEM, EXCEPT FOR THE FOLLOWING EXCEPTIONS:

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IS BUILT, THEN, THE LEVEE CAN BE RAISED TO ITS FINAL
GROSS ELE. OF 19.0

Add;
1 Enclosure
as


KENNEY P. PICCIOLA
CHIEF, FOUNDATIONS & MATERIALS BRANCH

RPB

LMNED-DD

23 APR 85 CMT 3
Mr Roman / 2695
RM

To C/F&M Br

From C/Des Br.

The plans have been revised as per your
CMT 2 recommendation.

wd Enclosure

WALTER D. JUDLOW, III
Chief, Design Branch

DISPOSITION FORM

For use of this form, see AR 340-15; the proponent agency is TAGO.

REFERENCE OR OFFICE SYMBOL

L M NED-DD

SUBJECT Review of P&S for Lake Pont. LA & Vic Hurricane
Prot. Proj., HLP, New Orleans Lakefront Levee. Most of IHNC,
MISCELLANEOUS GATES, Orleans Parish, LA.

TO

FROM

DATE

CMT 1

c/F&M Br. *[Signature]* 4/8

c/Des Br.

8 Apr 85
Mr. Romero/2645
[Signature]

Your comments have been incorporated into the subject P&S with the following exceptions:

a. 2. Do not concur. A government supplied borrow area is being provided.

a. 18. Do not concur. Requirements for backfill are covered in section 2E of the specifications.

a. 21. (b). Do not concur. The levee to be constructed under this contract is for interim protection. A future roadway ramp enlargement, under separate contract, will provide the stability berm required for the final section.

a. 23. (c). Concur. The stationing for the section was changed to 29+50 B/L, however, the stability berm was not added since a future ^{roadway} ramp enlargement will provide the required berm.

LMNED-DD

Review of P&S for Lake Pontchartrain, LA & Vic Hurricane Protection Project, HLP, New Orleans Lakefront Levee - West of IHNC, MISCELLANEOUS GATES, Orleans Parish, LA.

a. 23.(d). Do not concur. These levees are short tie-in reaches provided for interim protection. For simplicity of construction they are shown to gross grades with the given side slopes.

a. 24.(a). Do not concur. See a. 21.(b).

a. 24.(b). Do not concur. See a. 23.(d).

b. 2. Do not concur. This provision is not applicable to the subject P&S.

b. 6.(a) Do not concur. Curing requirements complement each other, they do not conflict.

b. 36. Do not concur. This is not necessary within the scope of this work.

b. 37. Do not concur. This paragraph has been used successfully in several contracts.

b. 41.(b). Do not concur. This would be inconsistent since the name of the paragraph is "Reports".


ZMNEB-DD

Review of P&S for Lake Pontchartrain, LA & Vic Hurricane Protection Project, HLP, New Orleans Lakefront Levee - West of IHNC, MISCELLANEOUS GATES, Orleans Parish, LA.

b. 47. Do not concur. It is not necessary to call out "or government approved equal" since "or equal" is sufficient.

b. 49. Do not concur. See b. 47.

b. 56. Do not concur. See b. 47.


WALTER D. JUDLIN, III
Chief, Design Branch.

CB

DISPOSITION FORM

For use of this form, see AR 340-15; the proponent agency is TAGO.

REFERENCE OR OFFICE SYMBOL

LMNED-FS

SUBJECT REVIEW OF PFS FOR LAKE PONT., LA. & VIC HURRICANE
PROT. PROJ. HLP, NEW ORLEANS LAKEFRONT LOUVEE - WEST OF IHAC,
MISCELLANEOUS GATES, ORLEANS PARISH, LA.

TO

C/ DESIGN BY

FROM

C/ FFM BY

DATE

27 APRIL 85

CMTB

Mr. ESTRADA / 1035

WE HAVE REVIEWED YOUR RESPONSE TO OUR COMMENTS AND
AGREE IN MOST OF THEM, EXCEPT FOR THE FOLLOWING EXCEPTIONS:

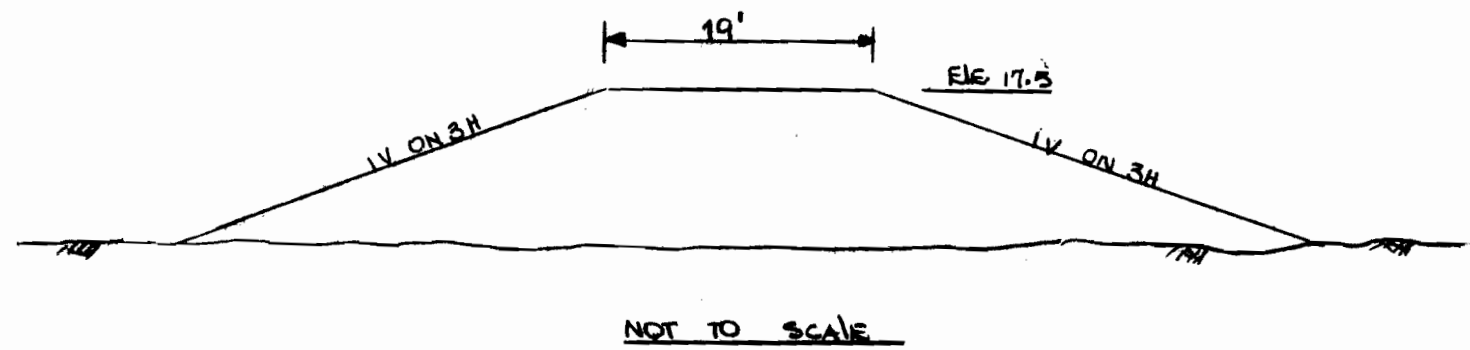
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GROSS ELE. OF 19.0

Add;
1 ENCLOSURE
AS

Rodney P. Picciola
CHIEF, FOUNDATIONS & MATERIALS BRANCH

File

RP
4/19
File

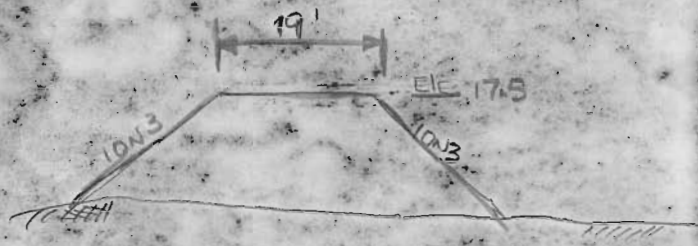


REVIEW OF PFS FOR LAKE PONTE
LA. & VICINITY HURRICANE PROTECTION PROJECT,
HLP, NEW ORLEANS LAKEFRONT LEVEE
WEST OF IHNC, MISCELLANEOUS GATES

Encl. 1

PROJECT	PAGE	COMPUTED BY	DATE
SUBJECT	OF	CHECKED BY	DATE

LI RE0416 1-100
 1 LAKE POINT, LAKEFRONT
 2 GATE AROUND LEROY JOHN. SECT. A-A'
 3 10 10 0.5 200 1 0
 4 7 1 2 1
 5 200
 6 0 62.4 0 0
 7 0 110 400 400
 8 0 116 400 400
 9 15 117 200 200
 10 0 104 200 200
 11 15 117 200 200
 12 30 122 0 0
 13 0 12.5 175.5 12.5 190.5 17.5 209.5 17.5 244 6 250 5.5
 14 500 5.5 9999.9 0
 15 0 5.5 150 5.5 155 5.67 175.5 12.5 190.5 17.5 209.5 17.5
 16 244 6 250 5.5 500 5.5 9999.9 0
 17 0 5.5 150 5.5 155 5.67 170 7.5 177 8 185 10
 18 200 15 213 16 222 13 225 12 228 11 232 10
 19 235 9 244 6 250 5.5 500 5.5 9999.9 0
 20 0 5.5 150 5.5 155 5.67 170 7.5 177 8 185 10
 21 232 10 235 9 244 6 500 5.5 9999.9 0
 22 0 -1.5 500 -1.5 9999.9 0
 23 0 -3.5 500 -3.5 9999.9 0
 24 0 -10.5 500 -10.5 9999.9 0
 25 0 -20 500 -20 9999.9 0
 26 0 12.5 175.5 12.5 224.5 12.5 244 6 250 5.5 500 5.5
 27 9999.9 0
 28 1 1 1 1 1 1 1 1 1 1 1
 29 1 1
 30 4 195 -1.5 250 -1.5 1
 31 260
 32 5 195 -3.5 250 -3.5 1
 33 260
 34 5 195 -10.5 250 -10.5 1
 35 260
 EOT..



AFTER SELECTED WEDGES, PLACE CROSSHAIRS AT ADDITIONAL P.U. LOCATIONS
(N,S,E = COMPLETE STRATA & D,R = REDRAW)

STR 4 EL. -1.5 NO 1		
NO	DIST.	F.S.
2	260.	1.606
3	233.3	1.549
4	242.7	1.423
5	226.8	1.819
6	255.7	1.555
7	269.4	1.715
8	286.8	1.917

STR 5 EL. -3.5 NO 9		
NO	DIST.	F.S.
10	260.	1.465
11	286.8	1.732
12	281.7	1.682
13	275.9	1.624
14	269.4	1.559
15	266.5	1.53
16	260.	1.465
17	255.7	1.422
18	251.4	1.379
19	246.3	1.332
20	242.7	1.309
21	237.6	1.326
22	232.6	1.422
23	228.9	1.549
24	262.2	1.487
25	253.5	1.4

STR 6 EL. -10.5 NO 26		
NO	DIST.	F.S.
27	260.	1.867
28	236.2	1.588
29	246.3	1.659
30	256.4	1.812
31	268.7	2.001
32	282.4	2.212



STOP STOP - TERMINATED NO PLOT
 01 W1 1-1000

*** STABILITY WITH UPLIFT ***

LAKE PONT. LAKEFRONT
 GATE AROUND LEROY JOHN. SECT.A-A
 8 PROFILES
 1 VERTICALS
 UPLIFT WITH 1 PIEZOMETRIC GRADE LINES

* * STRATUR 4 ACT. WEDGE LOC. 195.0 EL. -1.5 PASS.WEDGE LOC. 250.0 EL. -1.5

ASSUMED FAILURE SURFACE DATA

DIST.	ELEV.	WT.	UPLIFT	STR 1	STR 2	STR USED
0.0	-1.5	1256.	875.	302.	200.	200.
150.0	-1.5	1256.	875.	302.	200.	200.
155.0	-1.5	1265.	875.	305.	200.	200.
170.0	-1.5	1516.	875.	372.	200.	200.
175.5	-1.5	1606.	875.	396.	200.	200.
177.0	-1.5	1662.	875.	411.	200.	200.
185.0	-1.5	1969.	875.	493.	200.	200.
190.5	-1.5	2182.	875.	550.	200.	200.
200.0	-1.5	2201.	875.	555.	200.	200.
209.5	-1.5	2205.	875.	556.	200.	200.
213.0	-1.5	2078.	875.	522.	200.	200.
222.0	-1.5	1730.	875.	429.	200.	200.
224.5	-1.5	1633.	875.	403.	200.	200.
225.0	-1.5	1614.	865.	401.	200.	200.
228.0	-1.5	1498.	802.	386.	200.	200.
232.0	-1.5	1345.	719.	368.	200.	200.
235.0	-1.5	1228.	656.	353.	200.	200.
244.0	-1.5	877.	469.	310.	200.	200.
250.0	-1.5	819.	437.	302.	200.	200.
500.0	-1.5	819.	438.	302.	200.	200.

ASSUMED CRIT. PASSIVE LOC. 250.0 EL. -1.5 DP 2866. RP 4582.

ACTIVE WEDGE DATA

DIST.	ELEV.	DA	RA	DB	RB	FS
195.0	-1.5	18422.	11680.	0.	11000.	1.75
200.0	-1.5	19931.	12911.	0.	10000.	1.61
205.0	-1.5	20636.	13946.	0.	9000.	1.55

210.0	-1.5	20748.	14385.	0.	8000.	1.50
215.0	-1.5	20069.	14038.	0.	7000.	1.49
220.0	-1.5	18138.	13259.	0.	6000.	1.56
225.0	-1.5	15154.	12371.	0.	5000.	1.79
230.0	-1.5	11682.	10032.	0.	4000.	2.11
235.0	-1.5	8670.	7451.	0.	3000.	2.59
240.0	-1.5	6130.	5030.	0.	2000.	3.56

CRIT. ACTIVE LOC 215.0 EL -1.5 DA 20069. RA 14038.

DIS.	EL.	DP	RP	DB	RB	FS
260.0	-1.5	2866.	4581.	0.	9000.	1.61
233.3	-1.5	4998.	5650.	0.	3656.	1.55
242.7	-1.5	3086.	4592.	0.	5536.	1.42
226.8	-1.5	7140.	7130.	0.	2355.	1.82
255.7	-1.5	2866.	4581.	0.	8139.	1.56
269.4	-1.5	2866.	4581.	0.	10886.	1.72
286.8	-1.5	2866.	4581.	0.	14357.	1.92

* * STRATUM 5 ACT. WEDGE LOC. 195.0 EL. -3.5 PASS.WEDGE LOC. 250.0 EL. -3.5

ASSUMED FAILURE SURFACE DATA

DIST.	ELEV.	WT.	UPLIFT	STR 1	STR 2	STR USED
0.0	-3.5	1464.	1000.	200.	324.	200.
150.0	-3.5	1464.	1000.	200.	324.	200.
155.0	-3.5	1473.	1000.	200.	327.	200.
170.0	-3.5	1724.	1000.	200.	394.	200.
175.5	-3.5	1814.	1000.	200.	418.	200.
177.0	-3.5	1870.	1000.	200.	433.	200.
185.0	-3.5	2177.	1000.	200.	515.	200.
190.5	-3.5	2300.	1000.	200.	572.	200.
200.0	-3.5	2409.	1000.	200.	577.	200.
209.5	-3.5	2413.	1000.	200.	578.	200.
213.0	-3.5	2286.	1000.	200.	545.	200.
222.0	-3.5	1938.	1000.	200.	451.	200.
224.5	-3.5	1841.	1000.	200.	425.	200.
225.0	-3.5	1822.	990.	200.	423.	200.
228.0	-3.5	1706.	927.	200.	409.	200.
232.0	-3.5	1553.	844.	200.	390.	200.
235.0	-3.5	1436.	781.	200.	375.	200.
244.0	-3.5	1085.	594.	200.	332.	200.
250.0	-3.5	1027.	562.	200.	324.	200.
500.0	-3.5	1027.	563.	200.	324.	200.

ASSUMED CRIT. PASSIVE LOC. 250.0 EL. -3.5 DP 4712. RP 5381.

ACTIVE WEDGE DATA

DIST.	ELEV.	DA	RA	DB	RB	FS
195.0	-3.5	22138.	11898.	0.	11000.	1.62
200.0	-3.5	24045.	13275.	0.	10000.	1.48
205.0	-3.5	25053.	14335.	0.	9000.	1.41
210.0	-3.5	25342.	15183.	0.	8000.	1.38
215.0	-3.5	24776.	15013.	0.	7000.	1.37
220.0	-3.5	22953.	14417.	0.	6000.	1.41
225.0	-3.5	19978.	13512.	0.	5000.	1.57
230.0	-3.5	16152.	11898.	0.	4000.	1.86
235.0	-3.5	12559.	9234.	0.	3000.	2.24
240.0	-3.5	9443.	6799.	0.	2000.	3.00

CRIT. ACTIVE LOC 215.0 EL -3.5 DA 24776. RA 15013.

DIS.	EL.	DP	RP	DB	RB	FS
260.0	-3.5	4712.	5381.	0.	9000.	1.47
266.8	-3.5	4712.	5381.	0.	14357.	1.73
281.7	-3.5	4712.	5381.	0.	13345.	1.68
275.9	-3.5	4712.	5381.	0.	12188.	1.62
269.4	-3.5	4712.	5381.	0.	10886.	1.56
266.5	-3.5	4712.	5381.	0.	10308.	1.53
260.0	-3.5	4712.	5381.	0.	9007.	1.47
255.7	-3.5	4712.	5381.	0.	8139.	1.42
251.4	-3.5	4712.	5381.	0.	7271.	1.38
246.3	-3.5	4776.	5367.	0.	6259.	1.33
242.7	-3.5	4967.	5388.	0.	5536.	1.31
237.6	-3.5	5861.	5541.	0.	4524.	1.33
232.6	-3.5	7399.	6188.	0.	3512.	1.42
228.9	-3.5	8781.	6969.	0.	2789.	1.55
262.2	-3.5	4712.	5381.	0.	9440.	1.49
253.5	-3.5	4712.	5381.	0.	7705.	1.40

* * STRUTUM 6 ACT. WEDGE LOC. 195.0 EL. -10.5 PASS.WEDGE LOC. 250.0 EL. -10.5

ASSUMED FAILURE SURFACE DATA

DIST.	ELEV.	WT.	UPLIFT	STR 1	STR 2	STR USED
0.0	-10.5	2283.	1438.	426.	488.	426.
150.0	-10.5	2283.	1438.	427.	488.	427.
155.0	-10.5	2292.	1438.	429.	493.	429.
170.0	-10.5	2543.	1438.	496.	638.	496.

175.5	-10.5	2833.	1438.	520.	690.	520.
177.0	-10.5	2869.	1438.	535.	722.	535.
185.0	-10.5	2996.	1438.	618.	900.	618.
190.5	-10.5	3209.	1438.	675.	1022.	675.
200.0	-10.5	3222.	1438.	680.	1033.	680.
209.5	-10.5	3232.	1438.	681.	1036.	681.
213.0	-10.5	3105.	1438.	647.	963.	647.
222.0	-10.5	2757.	1438.	554.	762.	554.
224.5	-10.5	2660.	1438.	522.	706.	522.
225.0	-10.5	2641.	1427.	525.	701.	525.
228.0	-10.5	2525.	1365.	511.	670.	511.
232.0	-10.5	2372.	1221.	492.	630.	492.
235.0	-10.5	2255.	1219.	478.	598.	478.
244.0	-10.5	1904.	1031.	434.	504.	434.
250.0	-10.5	1846.	1000.	427.	488.	427.
500.0	-10.5	1846.	1000.	427.	488.	427.

ASSUMED CRIT. PASSIVE LOC. 250.0 EL. -10.5 DP 14768. RP 12234.

ACTIVE WEDGE DATA

DIST.	ELEV.	DA	RA	DB	RB	FS
195.0	-10.5	38654.	16989.	0.	30892.	2.52
200.0	-10.5	41638.	18531.	0.	27501.	2.17
205.0	-10.5	43669.	19941.	0.	24101.	1.95
210.0	-10.5	44745.	21016.	0.	20700.	1.80
215.0	-10.5	44374.	21589.	0.	17443.	1.73
220.0	-10.5	42560.	20955.	0.	14442.	1.71
225.0	-10.5	39478.	19856.	0.	11700.	1.77
230.0	-10.5	35226.	18555.	0.	9133.	1.95
235.0	-10.5	30982.	16819.	0.	6685.	2.33
240.0	-10.5	25997.	13894.	0.	4357.	2.95
245.0	-10.5	20601.	11165.	0.	2149.	4.38

CRIT. ACTIVE LOC 220.0 EL -10.5 DA 42560. RA 20955.

DIS.	EL.	DP	RP	DB	RB	FS
260.0	-10.5	14767.	12234.	0.	18709.	1.87
236.2	-10.5	16185.	12605.	0.	8315.	1.59
246.3	-10.5	14819.	12222.	0.	12854.	1.66
256.4	-10.5	14768.	12234.	0.	17181.	1.81
268.7	-10.5	14767.	12234.	0.	22425.	2.00
282.4	-10.5	14767.	12233.	0.	28287.	2.21

EOT..

DISPOSITION FORM

For use of this form, see AR 340-15; the proponent agency is TAGO.

REFERENCE OR OFFICE SYMBOL

LMNED-DD

SUBJECT

Review of P&S for Lake Pont. LA & Vic Hurricane Prot. Proj., HLP, New Orleans Lakefront Levee West of IHNC, MISCELLANEOUS GATES, Orleans Parish, LA.

TO

FROM

DATE

CMT 1

c/F&M Br.

c/Des Br.

8 Apr 85

Mr. Romero/2645

Your comments have been incorporated into the subject P&S with the following exceptions:

a. 2. Do not concur. A government supplied borrow area is being provided.

a. 18. Do not concur. Requirements for backfill are covered in section 2E of the specifications.

a. 21. (b). Do not concur. The levee to be constructed under this contract is for interim protection. A future roadway ramp enlargement, under separate contract, will provide the stability berm required for the final section.

Built up to 17.5

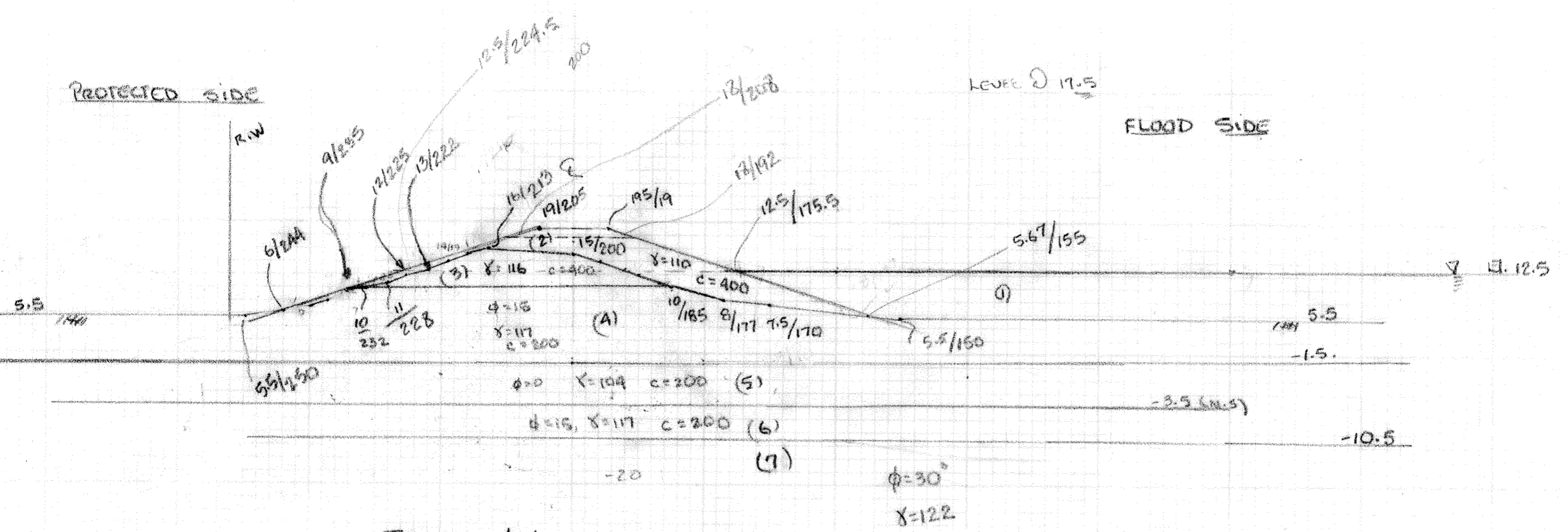
19' 17.5

a. 23. (c). Concur. The stationing for the section was changed to 29+50 B/L, however, the stability berm was not added since a future roadway ramp enlargement will provide the required berm.

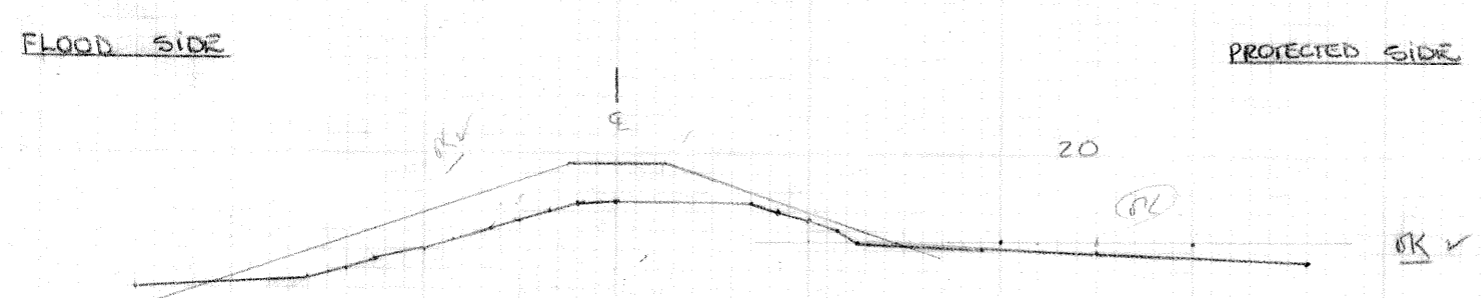
F.S. OK w/out STAB-BERM (high ground soil)

DISTANCE IN FEET FROM ξ OF LEVEE

10 80 60 40 20 0 20 40 60 80 100 120 140 160



SECTION A-A DWG. 3 OF 36



SECTION A-A DWG. 2 OF 36

REVIEW of PFS FOR LAKE POUST LA. & VICINITY
 HURRICANE PROT. PROJ., HLP, NEW ORLEANS
 LAKEFRONT LEVEE - WEST of IHNC
 MISCELLANEOUS GATES, ORLEANS PARISH, LA.

DISPOSITION FORM

For use of this form, see AR 340-15, the proponent agency is TAGO.

REFERENCE OR OFFICE SYMBOL

LMNED-DD

SUBJECT

Review of P&S for Lake Pont. LA & Vic Hurricane
Prot. Proj., HLP, New Orleans Lakefront Levee West of IHNC,
MISCELLANEOUS GATES, Orleans Parish, LA.

TO

FROM

DATE

CMT 1

c/F&M Br.

c/Des Br.

8 Apr 85
Mr. Romero/2645

Your comments have been incorporated into the subject P&S with the following exceptions:

a. 2. Do not concur. A government supplied borrow area is being provided.

a. 18. Do not concur. Requirements for backfill are covered in section 2E of the specifications.

a. 21.(b). Do not concur. The levee to be constructed under this contract is for interim protection. A future roadway ramp enlargement, under separate contract, will provide the stability berm required for the final section.

a. 23.(c). Concur. The stationing for the section was changed to 29+50 B/L, however, the stability berm was not added since a future ^{roadway} ramp enlargement will provide the required berm.

LMNED-DD

Review of P&S for Lake Pontchartrain, LA & Vic Hurricane Protection Project, HLP, New Orleans Lakefront Levee - West of IHNC, MISCELLANEOUS GATES, Orleans Parish, LA.

a. 23.(d). Do not concur. These levees are short tie-in reaches provided for interim protection. For simplicity of construction they are shown to gross grades with the given side slopes.

built up
to 17.5
NEEPS
STAB. BECA

a. 24.(a). Do not concur. See a. 21.(b).

a. 24.(b). Do not concur. See a. 23.(d).

b. 2. Do not concur. This provision is not applicable to the subject P&S.

b. 6.(a). Do not concur. Curing requirements complement each other, they do not conflict.

b. 36. Do not concur. This is not necessary within the scope of this work.

b. 37. Do not concur. This paragraph has been used successfully in several contracts.

b. 41.(b). Do not concur. This would be inconsistent since the name of the paragraph is "Reports".

LMNED-DD

Review of P&S for Lake Pontchartrain, LA & Vic Hurricane Protection Project, HLP, New Orleans Lakefront Levee-West of IHNC, MISCELLANEOUS GATES, Orleans Parish, LA.

b. 47. Do not concur. It is not necessary to call out "or government approved equal" since "or equal" is sufficient.

b. 49. Do not concur. See b. 47.

b. 56. Do not concur. See b. 47.

WALTER D. JUDLIN, III
Chief, Design Branch.

ROUTING AND TRANSMITTAL SLIP

Date

12 March 85

TO: (Name, office symbol, room number, building, Agency/Post)

REP

Initials

Date

1. Charlie Rome

CR

13 Mar 85

2. Phil Napolitano

REC 18 MAR

PN

18 MAR

3. Rodney Picciola

4.

5.

Action	File	Note and Return
Approval	For Clearance	Per Conversation
As Requested	For Correction	Prepare Reply
Circulate	For Your Information	See Me
Comment	Investigate	Signature
Coordination	Justify	

REMARKS

Charlie review your write-up and make the corrections. After that submitted to Rodney thru Phill office.

Rodney - We like this format for responding to Dir Br for P&I review. Listing comments from each section separately and identifying person who did review at top of DF will help Design Br know who to call. I also apprec. chance to proofread our cmtr before typeset.

DO NOT use this form as a RECORD of approvals, concurrences, disposals, clearances, and similar actions

FROM: (Name, org. symbol, Agency/Post)

Room No.—Bldg.

ROBERTO ESTRADA

Phone No.

1035

Note:

Encls. 1 & 2 were furnished in Advance to DESIGN SECTION

RE

DISPOSITION FORM

For use of this form, see AR 340-15; the proponent agency is TAGO.

REFERENCE OR OFFICE SYMBOL LMNED-FS/LMNED-FM	SUBJECT Review of Plans & Specifications for Lake Pontchartrain, LA & Vicinity Hurricane Protection Project, HLP, New Orleans Lakefront Levee West of IHNC, Miscellaneous Gates, Orleans Parish, LA
---	--

TO C/Design Br	FROM C/F&M Br	DATE 20 Mar 85	CMT 1 Messrs. Estrada/Rome/1035/1194
-------------------	------------------	-------------------	---

1. Reference is made to your LMNED-DD DF dated 12 Feb 85, subject as above, requesting our review and comments on the subject report.

2. We have reviewed the plans and specifications and have the following comments:

a. Structure Foundations Section.

(1) Page 2B-3, para. 6.1. The first sentence is incomplete.

(2) Page 2C-1, paras. 1 and 3.1; page 2C-3, para. 3.2.1; page 2C-4, para. 3.2.1 and page 2D-4, para. 2D-5.1. Remove references to government furnished borrow pits.

(3) Page 2C-4, para. 3.2.1(2). In the first sentence "Section 6" should be changed to "Section 2A".

(4) Page 2D-2, para. 3.1.1. In the sixth sentence the weight of the roller when fully loaded should be changed from 115 to 1,150 pounds.

(5) Page 2D-6, para. 6.1.2. On the moisture content table the maximum permissible for a "CH" should be changed from 43 to 50. Also the last two sentences in the note should be replaced by the following sentences: "These limits are to be used as a guide. New percentages will be provided by the contracting officer ~~with the submitted~~ borrow source ^{data.} ~~after receiving~~"

(6) Page 2D-9, para. 12.1. Reference is made to settlement gages but they are not shown on the drawings.

(7) Page 2D-7, para. 6.2. This paragraph should be deleted since uncompacted fill is not used on the construction of the levee.

(8) Page 2D-8, para. 11; page 2D-11; ^{DATA.} page 16.1. The reference made to uncompacted fill should be deleted.

(9) Page 2E-6, para. 5.2. Reference is made to structural excavation lines, but they are not shown on the drawings.

(10) Page 2E-6, para. 5.4.2. Reference is made to the inspection trench, but is not shown on the drawings.

(11) Page 2E-7, paras. 5.5, 6.1, and 6.2. Reference is made to shoring, structural excavation and structural backfill as shown on the drawings but they are not shown on the drawings.

File

12 March 1985

SUBJECT: Review of Plans and Specifications for Lake Pontchartrain, LA & Vicinity
Hurricane Protection Project, HLP, New Orleans Lakefront Levee West of IHNC,
Miscellaneous Gates, Orleans Parish, LA

(12) Page 2F-8, para. 9.1. On the last line the word "backdriving" should be inserted between the words "heads" and "and".

(13) Page 2G-3, para. 6.1.1. The first sentence on this page should be rearranged to read: "Interlocks shall be properly engaged with the thumb of each pile gripped by the thumb and finger of the adjacent pile".

(14) Page 2G-3, para. 6.1.2. The following sentence should be inserted at the end of the first sentence: "A tolerance of 1 inch above the indicated top elevation will be permitted".

(15) Page 2G-3, para. 6.2. In the first sentence the words "in excess of the specified tolerance" should be inserted between the words "grade" and "which".

(16) Page 2G-4, para. 6.5. In the second sentence the parts of the slurry shall be changed to one part bentonite to three parts sand.

(17) Page 2G-6, para. 8.2.3. The last sentence of the paragraph should be deleted.

(18) Page 15A-4, Part 2, Products. A paragraph should be inserted in this section for the description of the material to be used as backfill for the pipe trenches and manholes.

(19) Page 15A-6, para. 10. The following sentence should be inserted between the fourth and the fifth sentence: "The layers should be compacted to at least the same density of the adjacent natural material".

(20) Drawing 2 of 36.

(a) The flood and the protected side should be shown on the plan view.

(b) The transition slope between stations 14+40.23 W/L to 15+30.23 W/L should be shown on both the plan and profile view.

(c) The elevation of the levee between stations 15+30.23 W/L to 15+88.56 W/L should be changed from 18.5 to 19.0 ft.

(d) The note on the plan view to degrade the levee should be changed from el. 11.0 to 11.4 ft.

(21) Drawing 3 of 36.

(a) Sta. 38+56 B/L should be changed to 38+80 on the profile view.

(b) The stability berm on the protected side of the levee on both sides of the gate around Leroy Johnson needs to be shown.

LMNED-FS/LMNED-FM

20 March 1985

SUBJECT: Review of Plans and Specifications for Lake Pontchartrain, LA & Vicinity
Hurricane Protection Project, HLP, New Orleans Lakefront Levee West of IHNC,
Miscellaneous Gates, Orleans Parish, LA

(22) Drawing 4 of 36.

(a) On the profile the limit of the profile should be changed from 350+26.90 B/L to 305+26.90 B/L.

(b) Note "A" in the profile drawing should be specified as being on dwg. 3.

(23) Drawing 5 of 36.

(a) On sections 15+60 W/L and 15+84.06 W/L the crown elevation of the levee should be changed from El. 18.5 to El. 19.0 ft. Also the seepage berm should be deleted as results of Division comments.

(b) On section 16+20 W/L the top elevation of the I-wall should be changed from El. 18.5 to El. 18.0.

(c) The section at sta. 30+00 B/L should be changed to read sta. 29+50 B/L. Also the stability berm on the protected side should be shown.

(d) On the sections at stations 15+60 W/L, 15+84.06 W/L, 17+30 W/L and 29+50 B/L the 1 on 3 slope on the protected and floodside is on the net section and not on the gross section.

(24) Drawing 6 of 36.

(a) The stability berm on the protected side for stations 38+80 B/L, 20+03 W/L, 21+00 W/L and 40+00 B/L needs to be shown.

(b) The 1 on 3 slope on these sections should be shown on the net section and not on the gross section.

(25) Drawing 7 of 36.

The stability berm on the protected side at station 350+03 W/L should be changed from 1 on 27 to 1 on 20.

(26) Drawing 8 of 36

The I-wall at sta. 351+10 W/L should be changed to sta. 351+30 W/L.

(27) The inspection trench should be showingⁿ on the drawings.

(28) Drawings explaining manholes details should be included on this set.

(29) The drawings should be completely numbered.

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b. Materials Section.

(1) Exhibit 1. Replace all submittal register entries for spec section 3D with the contents of enclosure 3.

(2) Pg. 2A-3, para. 8.1. Consider adding a provision to protect the groundwater.

(3) Pg. 2F-2, para. 2.3.1. Update the standards and titles as shown.

(4) Pg. 2F-2, para. 2.3.2.

(a) After this paragraph, consider adding paragraph 2.4, entitled "Submittals" equivalent to that found on page 2G-2 of EABPL Item E-54 Floodwall. (See 2F-2).

(b) If this proposed addition is used, the following paragraph needs to be added:

2.33. American Concrete Institute (ACI).

SP-66 ACI Detailing Manual - 1980

(5) Pg. 2F-2, para. 3.2. After the first sentence, add "If fly ash is used, it will be limited to a maximum of 25% by absolute volume of the total cementitious materials.

(6) Pg. 2F-3, para. 4.1.

(a) Curing requirements conflict with those found in 2G-4.6.

(b) After "Edition", add "(with yearly revisions and additions to date)". The latest edition of this publication is 1977. Every year, sheets that represent revisions and additions are published. The above wording provides for this and should be used as quoted. The current sentence does not make provision for these changes to the referenced publication.

(7) Pg. 2F-6, para. 5.1. The 1/8-inch variation in slope is not consistent with some other "recent" floodwall jobs which allow 1/4-inch".

(8) Pg. 2F-9. To be consistent with the ends of other sections, delete "*END OF SECTION*" on this page and others or add it where missing.

(9) Pg. 3A-3, para. 9.1. In the first sentence, change "48 hours" to "24 hours".

(10) Pg. 3B-1, para. 3.1.1. Part 3 of the 1983 edition of the ACI Manual of Concrete Practice (Note on page 315-1) indicates that the Manual of Standard Practice for Detailing Reinforced Concrete Structures (ACI 315-74) has been superseded by Details and Detailing of Concrete Reinforcement (ACI 315-80) and Manual of Engineering and Placing Drawings for Detailing Reinforced Concrete Structures (ACI 315R-80). Add these two

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Hurricane Protection Project, HLP, New Orleans Lakefront Levee West of IHNC,
Miscellaneous Gates, Orleans Parish, LA

references and modify reference to ACI 315 in paragraphs 3B-6.2.1 and 3B-7. As an alternative, consider referencing ACI publication SP-66 entitled ACI Detailing Manual - 1980 which contains ACI 318-80 and ACI 315R-80. Change references in 3B-6.2.1 and 3B-7 from "ACI 315" to "SP-66".

(11) Pg. 3D-1, para. 3.1. Update the standards as shown.

(12) Pg. 3D-1. Add "PART 1 - GENERAL" as shown.

(13) Pg. 3D-1, para. 2.2.1.

(a) Update the standards as shown.

(b) Many standards could be added to the lists, but their value is questionable unless they are incorporated into the text of the section.

(c) Add ACI 304.2R entitled, "Placing Concrete by Pumping Methods".

(14) Pg. 3D-1, para. 2.2.2.

(a) Update the standards as shown.

(b) Add C29-78, C127-84, C128-84, C109-80, and C617-84 as shown.

(c) Delete C135-66 and D98-80.

(15) Pg. 3D-3, para. 2.2.4. This paragraph should not be reserved since the Federal Specification TT-P-0035 is referenced in 3D-15.

(16) Pg. 3D-3, para. 2.2.6.

(a) Delete CRD-C 13-79, CRD-C 29-78, CRD-C 106-81, CRD-C 107-82, and CRD-C 108-81.

(b) Add CRD-C 143-62.

(17) Pg. 3D-4, para. 2.26. This continuation title belongs on the top of the page.

(18) Pg. 3D-4, para. 2.2.7. Add "1003" entitled "Aggregates".

(19) Pg. 3D-4, para. 3.1. In the third sentence, change "verbal" to "written".

(20) Pg. 3D-5, para. 3.1.1. After this paragraph, add paragraphs 3.1.1 and 3.1.2).

(21) Pg. 3D-7, para. 4.3. For a Class D finish, a 1-inch irregularity should be allowed (see CW-03301) since this finish will be covered with backfill.

SUBJECT: Review of Plans and Specifications for Lake Pontchartrain, LA & Vicinity Hurricane Protection Project, HLP, New Orleans Lakefront Levee West of IHNC, Miscellaneous Gates, Orleans Parish, LA

(22) Pg. 3D-7, para. 5.1.2

(a) In the third sentence, delete "or cement plus".

(b) Delete the fourth sentence: "If fly ash...material". This is redundant.

(c) In the sixth sentence, replace "para. 3D-7.5 and 3D-7.6" with "3D-7".

(23) Pg. 3D-8. Add paragraph 5.1.5 to read: "Water. The name of the source of mixing and curing water (and documentation that mixing water meets CRD-C 400 if undrinkable) shall be submitted for review by the Contracting Officer for conformance with 3D-6.5.

(24) Pg. 3D-9, para. 5.3.1 and 5.3.2. At the end of these sentences, add "and 3D-8.1".

(25) Pg. 3D-10, para. 6.2. In the third sentence, replace "ASTM C33 sizes...Grade A for 1 inch NMSA" "ASTM C 33 or LDOTD para. 1003.02(c) as shown in the following table:

OPTION

1	2	3	4
ASTM #467	LDOTD Grade B	ASTM #54	LDOTD Grade A
(1-1/2" NMS)	(1-1/2" NMS)	(1" NMS)	(1" NMS)

Grading requirements of 3/4" NMS coarse aggregate shall conform to ASTM C33 size No. 67".

(26) Pg. 3D-10, para. 6.3.1. Change "CRD-C 13" to "ASTM E 260".

(27) Pg. 3D-11, para. 6.5. After this paragraph, insert paragraphs 6.6, 6.7, 6.7.1 and 6.8 as shown in enclosure 2. Para. 6.7 is needed because of the contents of 3D-14.2.

(28) Pg. 3D-11, para. 7.2.

(a) Change "1-1/2 inches except 1" to "1 or 1-1/2 inches except 3/4".

(b) In the last sentence, replace "(NMSA) defines....to pass" with "(NMSA) and maximum size aggregate (MSA) shall be as defined in ACI 116R".

(29) Pg. 3D-12, para. 7.4. In the table, after "alump" add "inches".

(30) Pg. 3D-12, para. 7.5.

(a) In the ninth sentence, after the third occurrence of "concrete", add "placement".

10 March 1985

SUBJECT: Review of Plans and Specifications for Lake Pontchartrain, LA & Vicinity
Hurricane Protection Project, HLP, New Orleans Lakefront Levee West of
IHNC, Miscellaneous Gates, Orleans Parish, LA

(b) In the twelfth sentence, after "ASTM C29" add "using the rodding procedure (para. 8)". Also change "CRD-C 107 and CRD-C 108" to "ASTM C 128 and ASTM C127".

(31) Pg. 3D-13, para. 8.2.1.

(a) In the third sentence, after "aggregate" insert "fly ash".

(b) In the fifth sentence, change the second occurrence of "batched" to "measured".

(32) Pg. 3D-18, para. 10.6. In the last sentence, add "Except for the above requirements, before "pump placement...".

(33) Pg. 3D-22, para. 13.3. In the first sentence, "columns top elevation" should be clarified.

(34) Pg. 3D-22, para. 14.1. Modify the curing times given to reduce 21 days to 14 days as shown.

(35) Pg. 3D-23, para. 14.3. Delete the last sentence.

(36) Pg. 3D-23, para. 15. Consider requiring the contractor to develop reference samples showing the bush-hammered finish to be applied.

(37) Pg. 3D-24, para. 15.3. This paragraph is weak. It should be indicated that this rate is approximate. A percentage of fracture of the coarse aggregate should be specified.

(38) Pg. 3D-25, para. 17.2.1.1. In the first sentence, change "twice" to "once" and "C125" to "CRD-C 104".

(39) Pg. 3D-25A, para. 17.2.2.1. In the first sentence, change "twice" to "once".

(40) Pg. 3D-26, para. 17.2.5. In the fourth sentence, after "cement used", insert "type and source of fly ash used,".

(41) Pg. 3D-30, para. 17.4.

(a) In the first sentence change "daily" to "weekly".

(b) In the second to last sentence, consider changing "reports" to "records".

(42) Pg. 5A-3, para. 4.2.3.1. Change "Specification A-513-81" to "A 513-82a".

(43) Pg. 5B-1, para. 2.2. Update the standards as shown. Note that the title for A 490 is not in agreement. Change A 490 or the title as found appropriate.

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Hurricane Protection Project, HLP, New Orleans Lakefront Levee West of IHNC,
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(44) Pg. 5B-2, para. 2.8. Delete "(May 8, 1974...)". This is no longer applicable to the current version of this standard.

(45) Pg. 5C-2 & 3, para. 4.3.1. Update the standards as shown.

(46) Pg. 9A-2, para. 4.1. Update the standards as shown.

(47) Pg. 10A-1, para. 2.1, 2.4, 2.6, and 2.9. Consider replacing "or equal" with "or a government approved equal".

(48) Pg. 15A-1, para. 3.1. Update the standard as shown if the comment concerning 15A-8.7.2 is not concurred with; otherwise, delete SS-C-1960/3.

(49) Pg. 15A-4, para. 8.2 and 8.4. Consider replacing "or equal" with "or a government approved equal".

(50) Pg. 15A-5, para. 8.6. Replace this paragraph with the following:

"Backfill shall consist of live or dead clam, reef or cannery shell. Foreign matter, such as sticks, mud, clay, silt, and/or sand shall not exceed 10% of the dry weight of the sample when tested in accordance with the Louisiana Department of Transportation and Development (LDOTD) designation: TR 109 (see the LDOTD Testing Procedures Manual, Volume 1), provided such matter is dispersed uniformly throughout the mass".

(51) Pg. 15A-5, para. 8.7.2. Replace the contents of this paragraph with those found in 3D-6.1.1.

(52) Pg. 15A-6, para. 10. In the first sentence, change "depth" to "thickness".

(53) Pg. 15A-5, para. 8.7.3. Change "Type II" to "Type S".

(54) Pg. 15A-7, para. 11.3.2. In the third sentence, enclose "battered" in quotes.

(55) Pg. 15A-8, para. 11.4. In the second sentence, change "tensile" to "compressive".

(56) Pg. 16A-2, para. 6. Consider replacing "or equal" with "or a government approved equal".

(57) Minor corrections marked in green can be found on pages 2F-1 through 5; 2G-4; D3-a; 3A-2; 3C-1, 3, 4; 3D-1, 3, 4, 7, 9, 10, 12, 17, 19, 20, 25-27; 5A-1, 3; 5B-4, 11, 13, and 5C-2.

LMNED-FS/LMNED-FM

20 March 1985

SUBJECT: Review of Plans and Specifications for Lake Pontchartrain, LA & Vicinity
Hurricane Protection Project, HLP, New Orleans Lakefront Levee West of IHNC,
Miscellaneous Gates, Orleans Parish, LA

3. An advanced copy of the P&S, with the comments shown in red were given to Design ^{Branch} ~~March~~ around 8 March 1985.
4. It is requested that the final disposition of our comments be furnished to this office.

3 Encl

1. Copy of marked-up specs
2. Drawings
3. Submittal Register

RODNEY P. PICCIOLA

Chief, Foundations & Materials Branch

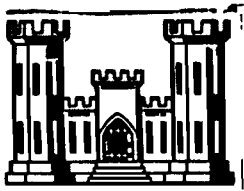
CF wo incl:

C/Materials Section

~~C/S... Division~~

SUBMITTAL REGISTER		TITLE AND LOCATION OF CONTRACT		CONTRACT NUMBER													
NO. ACCOUNT NO.	SUBMITTAL IDENTIFICATION OFFICE NUMBER	SPECIFICATION PARAGRAPH NUMBER	DESCRIPTION OF SUBMITTAL	1 SHOP DRAWINGS	2 SAMPLES	3 GUARANTEES	4 IMPROVEMENT DATA	5 CERTIFICATE	6 TEST REPORT	7 OTHER AS TESTS	CONTRACTOR			CONTRACTOR		REMARKS	
											ISSUED BY	APPROVAL NO. DATED BY	DATE OF	ISSUED TO	ISSUED BY		
		3D-3.1	Source of Materials							X							For info only
		3D-3.1.1	Aggregate Sources														
		3D-3.1.2	Aggregate Tests etc														do not delete
		3D-5.1.2	Concrete Mixture Proportions														
		3D-5.1.3	Cement and Fly Ash														
		3D-5.1.4	Non-Shrink Grout														
		3D-5.1.5	Water														For info only
		3D-5.2.1	Air Entraining Admixture														
		3D-5.2.2	Water Reducing Admixture														
		3D-5.3.1	Batch Plant														
		3D-5.3.2	Mixers														
		3D-5.3.3	Conveying Equipment														
		3D-5.3.4	Placing														
		3D-5.3.5	Joint Clean-up														
		3D-5.3.6	Curing														
		3D-5.3.7	Cold Weather														
		3D-5.3.8	Hot Weather														

incl 3



U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS
CORPS OF ENGINEERS
P. O. BOX 60267
NEW ORLEANS, LOUISIANA 70160-0267

1 April 1985
LHMND-CA
BIWEEKLY BULLETIN
CONSTRUCTION PROJECT
NUMBER 85-11

RICHARDSON FV, RE,
CALI
SRIENHARDER

This Bulletin covers the period 16 March 1985 through 1 April 1985.

A. Advance Notices Since Last Bulletin
(Solicitation Not Yet Issued)

Item No.	IFB No.	Location	Description	Tentative Bid Opening	Charges for Plans & Specs
1.	DACW29-85-B-0061	Mississippi River Gulf Outlet, Foreshore Protection, South Bank, Sta 367+00 to Sta. 1007+50, Orleans and St. Bernard Parishes, La.	The work consists of furnishing and placing approx. 475,000 tons of 30" graded stone, 38,300 cu.yds of small riprap, or 46,800 tons of small riprap. (Estimated over \$10 million)	9 May 1985 11:00 A.M.	\$15.95 Half Scale \$46.20 Full Scale
2.	DACW29-85-B-0059	Levee-Renteharman, La. 6-46-00 - 0670-0000-0000, 7-00-00 - 0000-0000-0000, 8-00-00 - 0000-0000-0000, 9-00-00 - 0000-0000-0000, 10-00-00 - 0000-0000-0000, 11-00-00 - 0000-0000-0000, 12-00-00 - 0000-0000-0000, 13-00-00 - 0000-0000-0000, 14-00-00 - 0000-0000-0000, 15-00-00 - 0000-0000-0000, 16-00-00 - 0000-0000-0000, 17-00-00 - 0000-0000-0000, 18-00-00 - 0000-0000-0000, 19-00-00 - 0000-0000-0000, 20-00-00 - 0000-0000-0000, 21-00-00 - 0000-0000-0000, 22-00-00 - 0000-0000-0000, 23-00-00 - 0000-0000-0000, 24-00-00 - 0000-0000-0000, 25-00-00 - 0000-0000-0000, 26-00-00 - 0000-0000-0000, 27-00-00 - 0000-0000-0000, 28-00-00 - 0000-0000-0000, 29-00-00 - 0000-0000-0000, 30-00-00 - 0000-0000-0000, 31-00-00 - 0000-0000-0000, 32-00-00 - 0000-0000-0000, 33-00-00 - 0000-0000-0000, 34-00-00 - 0000-0000-0000, 35-00-00 - 0000-0000-0000, 36-00-00 - 0000-0000-0000, 37-00-00 - 0000-0000-0000, 38-00-00 - 0000-0000-0000, 39-00-00 - 0000-0000-0000, 40-00-00 - 0000-0000-0000, 41-00-00 - 0000-0000-0000, 42-00-00 - 0000-0000-0000, 43-00-00 - 0000-0000-0000, 44-00-00 - 0000-0000-0000, 45-00-00 - 0000-0000-0000, 46-00-00 - 0000-0000-0000, 47-00-00 - 0000-0000-0000, 48-00-00 - 0000-0000-0000, 49-00-00 - 0000-0000-0000, 50-00-00 - 0000-0000-0000, 51-00-00 - 0000-0000-0000, 52-00-00 - 0000-0000-0000, 53-00-00 - 0000-0000-0000, 54-00-00 - 0000-0000-0000, 55-00-00 - 0000-0000-0000, 56-00-00 - 0000-0000-0000, 57-00-00 - 0000-0000-0000, 58-00-00 - 0000-0000-0000, 59-00-00 - 0000-0000-0000, 60-00-00 - 0000-0000-0000, 61-00-00 - 0000-0000-0000, 62-00-00 - 0000-0000-0000, 63-00-00 - 0000-0000-0000, 64-00-00 - 0000-0000-0000, 65-00-00 - 0000-0000-0000, 66-00-00 - 0000-0000-0000, 67-00-00 - 0000-0000-0000, 68-00-00 - 0000-0000-0000, 69-00-00 - 0000-0000-0000, 70-00-00 - 0000-0000-0000, 71-00-00 - 0000-0000-0000, 72-00-00 - 0000-0000-0000, 73-00-00 - 0000-0000-0000, 74-00-00 - 0000-0000-0000, 75-00-00 - 0000-0000-0000, 76-00-00 - 0000-0000-0000, 77-00-00 - 0000-0000-0000, 78-00-00 - 0000-0000-0000, 79-00-00 - 0000-0000-0000, 80-00-00 - 0000-0000-0000, 81-00-00 - 0000-0000-0000, 82-00-00 - 0000-0000-0000, 83-00-00 - 0000-0000-0000, 84-00-00 - 0000-0000-0000, 85-00-00 - 0000-0000-0000, 86-00-00 - 0000-0000-0000, 87-00-00 - 0000-0000-0000, 88-00-00 - 0000-0000-0000, 89-00-00 - 0000-0000-0000, 90-00-00 - 0000-0000-0000, 91-00-00 - 0000-0000-0000, 92-00-00 - 0000-0000-0000, 93-00-00 - 0000-0000-0000, 94-00-00 - 0000-0000-0000, 95-00-00 - 0000-0000-0000, 96-00-00 - 0000-0000-0000, 97-00-00 - 0000-0000-0000, 98-00-00 - 0000-0000-0000, 99-00-00 - 0000-0000-0000, 100-00-00 - 0000-0000-0000	The work consists of construction of three mitre swing gates and one swing gate with associated reinforced concrete T-walls & T-wells; driving approx. 13,600 sq.ft. of steel sheet piling & 3,800 lin ft. of precast prestressed concrete pile; constr. of 2,000 cu yde of embankment, (semicompacted fill), incidental paving; clearing, fertilizing and seeding. (Estimated between \$500,000 and \$1 million)		\$17.95 Half Scale \$46.20 Full Scale
3.	DACW29-85-B-0066	Mississippi River Levees, Items M-94.9-1 to M-94.8-8, Canal St. to Toulouse L. Floodwall, Phase II, Orleans Levee Dist. Orleans Par., La. (Re-advertisement of Solic. DACW29-84-B-0111)	The work consists of construction of approx. 1300 linear ft of reinforced concrete floodwall; 3 bottom roller gates; 1 double swing gate; modification to existing utilities, construction of a storm drainage system and temp falsework for gates; driving steel sheet piling; H-piling and prestressed concrete piling; selective demolition (Estimate cost between \$1 million and \$5 million)	2 May 1985 11:00 A.M.	\$25.00 Half Scale \$50.00 Full Scale

B. Solicitations Issued Since Last Bulletin

Item No.	IFB No.	Location	Description	Scheduled Bid Opening Date & Local Time	Charges for Plans and Specs
1.	DACW29-85-B-0052	Miss. River Levee, Item M-93.3-L to M-92.8-L, Independence St. to Inner Harbor Navigation Canal Floodwall, Orleans Parish, La.	The work consists of construction of 3440 linear ft of reinforced concrete floodwall; 3 bottom roller gates; 3 swing gates, modification of utilities; construction of a storm drainage system, driving steel sheet piling, H-piling and prestressed concrete piling; construction of railroad falsework; performing tension and compression pile load tests. (Estimated cost between \$1 million and \$5 million)	24 April 1985 11:00 A.M.	\$25.00 Half Scale \$50.00 Full Scale
2.	DACW29-85-B-0029	Mississippi River-Gulf Outlet, Maintenance Dredging, B/L Sta 262+00 to B/L Sta. 2520+00, Mile 23.2 to Mile 18.3, St. Bernard Parish, La.	The work consists of removal and satisfactory disposal of approx. 4,000,000 cu.yds of shoal material. A dredging rate of 50,000 cu yds per day averaged over a 20 day period is required. (Estimated cost between \$1 million and \$5 million)	9 April 1985 11:00 A.M.	\$ 6.95 Half Scale \$10.20 Full Scale
3.	* DACW29-85-B-0030 (SBSA)	Levee-Renteharman, La. 6-46-00 - 0670-0000-0000, 7-00-00 - 0000-0000-0000, 8-00-00 - 0000-0000-0000, 9-00-00 - 0000-0000-0000, 10-00-00 - 0000-0000-0000, 11-00-00 - 0000-0000-0000, 12-00-00 - 0000-0000-0000, 13-00-00 - 0000-0000-0000, 14-00-00 - 0000-0000-0000, 15-00-00 - 0000-0000-0000, 16-00-00 - 0000-0000-0000, 17-00-00 - 0000-0000-0000, 18-00-00 - 0000-0000-0000, 19-00-00 - 0000-0000-0000, 20-00-00 - 0000-0000-0000, 21-00-00 - 0000-0000-0000, 22-00-00 - 0000-0000-0000, 23-00-00 - 0000-0000-0000, 24-00-00 - 0000-0000-0000, 25-00-00 - 0000-0000-0000, 26-00-00 - 0000-0000-0000, 27-00-00 - 0000-0000-0000, 28-00-00 - 0000-0000-0000, 29-00-00 - 0000-0000-0000, 30-00-00 - 0000-0000-0000, 31-00-00 - 0000-0000-0000, 32-00-00 - 0000-0000-0000, 33-00-00 - 0000-0000-0000, 34-00-00 - 0000-0000-0000, 35-00-00 - 0000-0000-0000, 36-00-00 - 0000-0000-0000, 37-00-00 - 0000-0000-0000, 38-00-00 - 0000-0000-0000, 39-00-00 - 0000-0000-0000, 40-00-00 - 0000-0000-0000, 41-00-00 - 0000-0000-0000, 42-00-00 - 0000-0000-0000, 43-00-00 - 0000-0000-0000, 44-00-00 - 0000-0000-0000, 45-00-00 - 0000-0000-0000, 46-00-00 - 0000-0000-0000, 47-00-00 - 0000-0000-0000, 48-00-00 - 0000-0000-0000, 49-00-00 - 0000-0000-0000, 50-00-00 - 0000-0000-0000, 51-00-00 - 0000-0000-0000, 52-00-00 - 0000-0000-0000, 53-00-00 - 0000-0000-0000, 54-00-00 - 0000-0000-0000, 55-00-00 - 0000-0000-0000, 56-00-00 - 0000-0000-0000, 57-00-00 - 0000-0000-0000, 58-00-00 - 0000-0000-0000, 59-00-00 - 0000-0000-0000, 60-00-00 - 0000-0000-0000, 61-00-00 - 0000-0000-0000, 62-00-00 - 0000-0000-0000, 63-00-00 - 0000-0000-0000, 64-00-00 - 0000-0000-0000, 65-00-00 - 0000-0000-0000, 66-00-00 - 0000-0000-0000, 67-00-00 - 0000-0000-0000, 68-00-00 - 0000-0000-0000, 69-00-00 - 0000-0000-0000, 70-00-00 - 0000-0000-0000, 71-00-00 - 0000-0000-0000, 72-00-00 - 0000-0000-0000, 73-00-00 - 0000-0000-0000, 74-00-00 - 0000-0000-0000, 75-00-00 - 0000-0000-0000, 76-00-00 - 0000-0000-0000, 77-00-00 - 0000-0000-0000, 78-00-00 - 0000-0000-0000, 79-00-00 - 0000-0000-0000, 80-00-00 - 0000-0000-0000, 81-00-00 - 0000-0000-0000, 82-00-00 - 0000-0000-0000, 83-00-00 - 0000-0000-0000, 84-00-00 - 0000-0000-0000, 85-00-00 - 0000-0000-0000, 86-00-00 - 0000-0000-0000, 87-00-00 - 0000-0000-0000, 88-00-00 - 0000-0000-0000, 89-00-00 - 0000-0000-0000, 90-00-00 - 0000-0000-0000, 91-00-00 - 0000-0000-0000, 92-00-00 - 0000-0000-0000, 93-00-00 - 0000-0000-0000, 94-00-00 - 0000-0000-0000, 95-00-00 - 0000-0000-0000, 96-00-00 - 0000-0000-0000, 97-00-00 - 0000-0000-0000, 98-00-00 - 0000-0000-0000, 99-00-00 - 0000-0000-0000, 100-00-00 - 0000-0000-0000	The work consists of constructing pile supported inverted T-Type floodwall with steel sheet pile cutoff and I-Type Floodwall with levee enlargement, architectural treatment of all floodwalls; repairing of asphaltic concrete streets; utility relocations; fertilizing seeding and mulching. (Estimated cost between \$1 million and \$5 million)	10 April 1985 11:00 A.M.	\$16.95 Half Scale \$44.00 Full Scale
4.	DACW29-85-B-0037	Barataria Bay Waterway La., Maintenance Dredging, Bar Channel, Jefferson Parish, La	The work consists of the removal and satisfactory disposal of approx. 525,000 cu yds of shoal material. (Estimated cost between \$500,000 and \$1 million)	2 April 1985 11:00 A.M.	\$ 6.90 Half Scale \$ 9.80 Full Scale

RP

THIS IS YOUR ADVANCE NOTICE OF BIDDING INFORMATION

PRE-SOLICITATION NOTICE (CONSTRUCTION CONTRACT)	1. PROJECT NO. DACW29-85-B-0059	2. DATE OF NOTICE 18 MARCH 1985	3. DATE SOLICITATION DOCUMENTS AVAILABLE (Approx.) 8 April 1985
NOTE: The project number in Items 1 and 16 may be the same as the Invitation or Proposal Number.			
4. OFFERS TO BE OPENED (AT PLACE OF BID (PROPOSAL) OPENING)	A. TIME 11:00 A.M. P.M.	B. DATE (Month, day, year) on or about 8 May 1985 *	5. TIME FOR COMPLETION (Calendar days) 210 days after Receipt of Notice to Proceed
6A. ISSUING OFFICE (Name, address and ZIP code) U. S. Army Engineer District, New Orleans Corps of Engineers P. O. Box 60267 New Orleans, LA 70160-0267		7. PROJECT TITLE AND LOCATION Lake Pontchartrain, Louisiana, and Vicinity. High Level Plan, New Orleans Lakefront Levee West of Inner Harbor Navigation Canal, Miscellaneous Gates, Orleans Parish, LA	
6B. ROOM NO.	6C. TELEPHONE NO. (Include area code) (504) 838-2879 Mrs. Margie B. Drude		
THIS IS <u>NOT</u> A SMALL BUSINESS SET-ASIDE			

INSTRUCTIONS: a. Solicitation Documents will be issued upon receipt of your affirmative response to this Pre-Solicitation Notice by the DUE DATE set forth in Item 15. b. If a charge is required under Item 8A, your affirmative response must include a certified check, cashier's check or money order, in the applicable amount, made payable to Agency (shown in Item 9). Refund (when specified in Item 8B) will be made upon your return of the bid documents in good condition, without marks, notes, or mutilations, within 20 calendar days after bid opening date. c. The Issuing Office, at its discretion, may make bid documents available to plan rooms of the Associated General Contractors, Chambers of Commerce, Dodge Reports, and other similar contractors' commercial service facilities. d. Bid guarantee is required with any bid in excess of \$25,000. Bid guarantee shall be in the amount of 20 percent of the amount of the bid, or \$3,000,000, whichever is less. For bid guarantee purposes, the amount of the bid is the aggregate of the Lump Sum Base Bid, all Alternates (if any), and the product(s) of each unit price (if any) multiplied by the applicable number of units shown on the Bid Form. e. NOTICE TO SMALL BUSINESS FIRMS: A program for the purpose of assisting qualified small business concerns in obtaining certain bid, payment, or performance bonds that are otherwise not obtainable is available through the Small Business Administration (SBA). For information concerning SBA's surety bond guarantee assistance, contact your SBA District office.

8A. CHARGE FOR SOLICITATION DOCUMENTS 40 drawings \$17.95 half scale w/spec \$48.20 full scale w/spec	8B. IS THIS CHARGE REFUNDABLE? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	9. MAKE CHECK PAYABLE TO: FAO, USAED, NEW ORLEANS (Plans and specifications will not be issued until payment is received).
10. ESTIMATED COST RANGE OF PROJECT		12. SUBCONTRACTING PROGRAM REQUIRED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
A. FROM \$500,000.00	B. TO \$1,000,000.00	11. OFFERS COVERING THE PROJECT RESTRICTED TO SMALL BUSINESS? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

13. DESCRIPTION OF WORK (Physical characteristics)
The work consists of the construction of three miter swing gates and one swing gate with associated reinforced concrete I-walls and T-walls; driving approximately 13,600 sq. ft. of steel sheet piling and 3,800 lin. ft. of precast prestressed concrete piles; construction of 2,000 cu. yds. of embankment, (semicompacted fill) and incidental paving; clearing, fertilizing and seeding, and all incidental work thereto.

NOTE: \$5.00 charge for specifications only, excluding drawings.

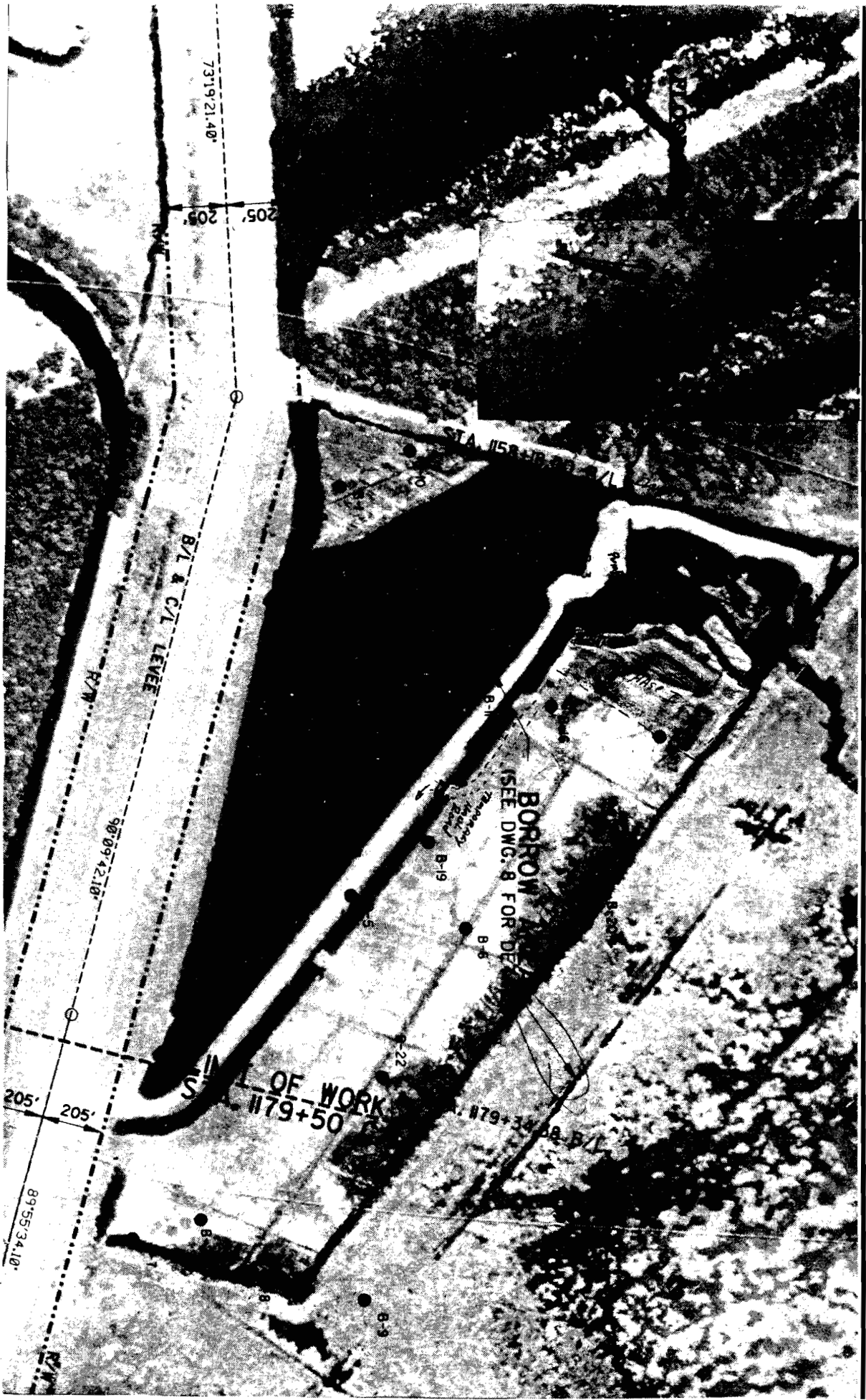
* Issuing and opening dates, as shown on this notice, are tentative only, depending on when specifications are issued. At that time, correct bid opening date will be scheduled.

PLANS and SPECIFICATIONS will be available for inspection at this office and at the Vicksburg District, CE, 1500 Walnut Street, Vicksburg, MS 39180.

REGARDLESS OF THE NOTE BELOW, this form need not be returned unless ordering plans and/or specifications.

IMPORTANT: FAILURE TO COMPLETE AND RETURN THIS PART OF THE NOTICE TO THE ISSUING OFFICE, ON OR BEFORE THE DUE DATE SHOWN IN ITEM 15, MAY RESULT IN YOUR NAME BEING REMOVED FROM OUR MAILING LIST.

14. ACTION REQUESTED (Check applicable box)		15. DUE DATE
A. I AM INTERESTED IN BIDDING ON THIS PROJECT AS A: <input type="checkbox"/> PRIME CONTRACTOR <input type="checkbox"/> PRINCIPAL SUBCONTRACTOR	B. I AM NOT INTERESTED IN BIDDING ON THIS PROJECT. RETAIN MY NAME ON YOUR MAILING LIST.	ON OR ABOUT 8 MAY 1985 *
C. REMOVE MY NAME FROM YOUR MAILING LIST.	16. PROJECT NO. DACW29-85-B-0059	
17. NAME AND ADDRESS OF FIRM (City, State and ZIP code)		
18. NAME AND TITLE OF FIRM REPRESENTATIVE	19. SIGNATURE OF REPRESENTATIVE	20. DATE SIGNED



* PHASE I
 * PHASE II
 * ———> DRAINAGE