

A0003521

14 Feb 90

METRO NEWS

Levee credits found

East Jefferson bureau

The East Jefferson Levee District was told Tuesday night that a consultant has found \$3.4 million more in credits toward an \$83 million hurricane-protection project.

So far, the board's engineering consultant has reported nearly \$14 million in credits that will reduce the Levee District's 30 percent share of the project, which is being conducted jointly with the federal government.

The Army Corps of Engineers may accept the credits for work Jefferson Parish has completed over the years associated with the hurricane levee project.

The project will raise levees next to Lake Pontchartrain, along the 17th Street Canal and next to the St. Charles-Jefferson parish line. The work began last year and is expected to continue in stages for 16 years.

Bill Giardina of Burk & Associates said the most recent credits are due for work on two of the six pumping stations in the parish that form a part of the levee and qualify for credits.

Giardina said his company has reviewed all but one of the pumping stations eligible for credits. He said a preliminary review of the final pumping stations may uncover at least another \$1 million in credits.

In other business, a Burk & Associates official told board members his company will need an additional \$15,000 or less to complete its review of credits.

The Levee District originally agreed to pay the company \$25,000 to find more credits than the \$7.5 million originally estimated by the corps.

Board Vice President Rick Richter will talk with Burk officials and make a recommendation at next month's meeting on whether the additional amount is justified.

Several board members complimented Burk officials on their work and said the additional money is probably justified. "I'd just like to see what remains of the work and if there needs to be an equitable adjustment, so be it," Richter said.

CELMN-ED-SP (CELMN-ED-SP/20 Oct 89) (1110-2-1150a) 2d End

✓ Mr. Stutts/mn/2614

SUBJECT: Lake Pontchartrain, Louisiana and Vicinity, High Level Plan, Design Memorandum No. 17, General Design, Jefferson Parish Lakefront Levee

DA, New Orleans District, Corps of Engineers, P. O. Box 60267,
New Orleans, LA 70160-0267 2 Feb 90

FOR Commander, Lower Mississippi Valley Division, ATTN:
CELMV-ED-PG

The following provides our responses to comments contained in the 1st End. Comments are referenced by like paragraph designations.

a. Para 2 and Plates 14 and 15. As discussed at our 19 Jan 90 meeting held here at the New Orleans District office, we will redesign the levee sections in Reach C by utilizing the C/L soil shear strengths recommended by LMVD, Encl 6. The LMVD protected side shear strengths will be used at a distance of 150 feet from the levee centerline. The shear strengths recommended in DM 17 will be used at a distance of 100 feet from the levee centerline.

b. Concur. The revised stability analysis and redesigned sections will be furnished to LMVD during the review of Reach V plans and specifications.

FOR THE COMMANDER:

6 Encls
nc

WILLIAM B. SRALE
Assistant Chief, Engineering Division

CELMV-ED-PG (CELMN-ED-SP/20 Oct 89) (1105-2-10c) 1st End Bardwell/ts/5925
SUBJECT: Lake Pontchartrain, Louisiana and Vicinity, High Level Plan, Design
Memorandum No. 17, General Design, Jefferson Parish Lakefront Levee

CDR, Lower Mississippi Valley Division, Vicksburg, MS 39181-0080

04 DEC '89

FOR Commander, New Orleans District, ATTN: CELMN-ED-SP

The Reach C reanalysis is approved subject to the resolution of the following comment:

a. Para 2 and Plates 14 and 15. The design shear strengths shown on Plates 14 and 15 should be revised as shown in red on Encls 5 and 6. The design centerline strength shown on Plate 14 has been reduced to 300 psf above el -8 to more conservatively fit the available Q-test data. The reduction to the protected side toe strengths shown on Plate 15 were based on the following:

(1) The protected side failure recently experienced in the Reach 1 construction contract.

(2) Our review of the strength data shown on Plate 15 indicates that the protected side strengths are very sensitive to variations in the boring ground surface elevations. The new "UP" protected side borings generally have higher ground surface elevations and corresponding higher shear strengths. We consider it prudent to select toe shear strengths representative of the lower ground surface elevations that might be present along and landward of the "vertical 3" (100 ft offset) stability plate location.

b. The stability analyses should be revised to reflect the design strengths shown on Encls 5 and 6.

FOR THE COMMANDER:

6 Encls
1-4 wd
added 2 encls
5-6. as

FRED H. BAYLEY III
Chief, Engineering Division

CELMN-ED-SP (1110-2-1150a)

14 Dec 89
Mr. Stutts/mn/2614

MEMORANDUM FOR C/F&M Br

SUBJECT: Lake Pontchartrain, Louisiana and Vicinity, DM No. 17,
Jefferson Parish Lakefront Levee - Reach C 1st End Comments

1. Enclosed is a copy of the subject 1st End comments dated 4 Dec 89.
2. If you and your staff concur with comment a. of the enclosure, then please revise the stability analysis as directed in comment b.
3. Please provide your response to paragraph 2. above as soon as possible, but not later than 27 Dec 89.

Encl

CALVIN W. SHELTON
Chief, Design Services Branch

AS
STUTTS
CELMN-ED-SP

EB
BARTON
CELMN-ED-SP

SW 14 Dec 89
SHELTON
CELMN-ED-S

for

CELMN-ED-SP (CELMN-ED-SP/20 Oct 89) (1110-2-1150a) 2d End
Mr. Stutts/mn/2614

SUBJECT: Lake Pontchartrain, Louisiana and Vicinity, High Level
Plan, Design Memorandum No. 17, General Design, Jefferson Parish
Lakefront Levee

DA, New Orleans District, Corps of Engineers, P. O. Box 60267,
New Orleans, LA 70160-0267 2 Feb 90

FOR Commander, Lower Mississippi Valley Division, ATTN:
CELMV-ED-PG

The following provides our responses to comments contained in the
1st End. Comments are referenced by like paragraph designations.

a. Para 2 and Plates 14 and 15. As discussed at our
19 Jan 90 meeting held here at the New Orleans District office,
we will redesign the levee sections in Reach C by utilizing the
C/L soil shear strengths recommended by LMVD, Encl 6. The LMVD
protected side shear strengths will be used at a distance of 150
feet from the levee centerline. The shear strengths recommended
in DM 17 will be used at a distance of 100 feet from the levee
centerline.

b. Concur. The revised stability analysis and redesigned
sections will be furnished to LMVD during the review of Reach V
plans and specifications.

FOR THE COMMANDER:

6 Encls
nc

WILLIAM B. SEALE
Assistant Chief, Engineering Division

E-8694

STUTTS *MS*
CELMN-ED-SP
EEB

BARTON
CELMN-ED-SP

CWS
SHELTON
CELMN-ED-S

Rob
PICCIOLA *rob*
CELMN-ED-F

MS
SEALE
CELMN-ED-A

MS
MARSALONE *MS*
CELMN-ED-D *MS*

ROUTING SLIP
(AR 340-15)

NEVER USE FOR APPROVALS
DISAPPROVALS, CONCURRENCES
OR SIMILAR ACTIONS

	TO	INITIALS	DATE
(1)	SHELTON, S	CWS	1/23
	GRATE, SA		
	AMEDEE, SD		
(2)	BARTON, SP		
	GAGLIANO, SR		
	HALPHEN, SS		
	MANSON, SE		
	SUSPENSE NO. <u>S-4431</u>		
	NO RESPONSE REQUIRED		
	RESPONSE IS DUE		

CHECK ACTION DESIRED

INFOR- MATION	SIGNA- TURE	NOTE AND RETURN	
CIR- CULATE	NECES- SARY ACTION	SEE ME	
FROM		TELEPHONE	DATE

ORGANIZATION

CELMN-ED-FS (CELMN-ED-SP/14 Dec 89) (1110-2-1150a) 1st End
Mr. Chiu/cl/1032
SUBJECT: Lake Pontchartrain, Louisiana and Vicinity, DM No. 17,
Jefferson Parish Lakefront Levee - Reach C 1st End Comments

CELMN-ED-F


24 Jan 90

FOR Chief, Design Services Branch

1. In accordance with a meeting between LMV and NOD, the Levee sections will be redesigned utilizing C/L soil shear strengths (Encl 5) as recommended by LMVD. The protected side shear strengths recommended by LMVD (Encl 6) will be utilized at a distance of 150' from the levee C/L. The shear strengths recommended in the DM will be used at a distance of 100 ft.

2. The redesigned sections will be furnished to LMVD during the review of Reach V P&S.

Encl
wd


RODNEY P. PICCIOLA
Chief, Foundations and Materials
Branch

rb

CF:
CELMN-ED-DL

CELMN-ED-SP (1110-2-1150a)

14 Dec 89
Mr. Stutts/mn/2614

MEMORANDUM FOR C/F&M Br

RP 12/15

SUBJECT: Lake Pontchartrain, Louisiana and Vicinity, DM No. 17,
Jefferson Parish Lakefront Levee - Reach C 1st End Comments

1. Enclosed is a copy of the subject 1st End comments dated 4 Dec 89.
2. If you and your staff concur with comment a. of the enclosure, then please revise the stability analysis as directed in comment b.
3. Please provide your response to paragraph 2. above as soon as possible, but not later than 27 Dec 89.

Encl

George R. Heat
CALVIN W. SHELTON
Chief, Design Services Branch

SK
CELMN-ED-DL

20 June 89

MEMORANDUM FOR: CELMN-ED-F *RP/22*

SUBJECT: Jefferson Parish Lakefront Levee, High Level Plan,
1st Lift, Reach C.

1. We understand from discussions with you Mr. S. Chiu that additional undisturbed borings are being taken in the subject reach to facilitate the re-design analysis of the 7 foot wide crown.

2. Please advise this office as to when

- a) we will receive the re-design sections and
- b) the new boring logs

so we may better plan our P&S design activities for contracts IV and V.

3. P.O.C. is Sam Kearns @ X2718.

CF: CELMM-ED-SP

[Signature]
DANIEL A. MARSALONE
Chief, Design Branch

RP/22

CELMN-ED-FS 1st End

Mr. Richardson/aah/1031
JR

CELMN-ED-F

30 June 89

FOR C/Design Branch

The requested redesign and boring logs will be furnished by 31 Aug 89.

[Signature]
RODNEY P. PICCIOLA
Chief, Foundations and Materials Branch

~~CF:~~
~~CELMN-ED-SP~~

F1201

CELMN-ED-SP (1110-2-1150a)

28 Mar 89

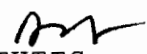
MEMORANDUM FOR C/Drafting Section


SUBJECT: Lake Pontchartrain Louisiana and Vic Hurricane Protection Project - Jefferson Parish Lakefront Levee Reach C Drafting Request F&M Plates.

1. As per your discussion with Mr. Vann Stutts on 27 Mar 89, it is requested that your office perform the subject drafting work.
2. The work required, consists of title block work for 7-F&M plates which were prepared for reach C of the Jefferson Lakefront. This work is needed ASAP but should be complete by COB 7 April 89. Your hired labor cost for this work should be charged to Acct No. BEC23304L10AA00.
3. Should you have questions please contact Mr. Vann Stutts ext. 2614.

Encl
as (hand-carried)

ERNEST E. BARTON
Chief, Projects Engineering Section


STUTTS
CELMN-ED-SP


BARTON
CELMN-ED-SP

CELMN-ED-DL

CELMN-ED-D

12 Apr 89

MEMORANDUM FOR C/H&H Br

SUBJECT: Jefferson Parish Lakefront Levee, Area of Bonnabel Boat Launch and Marina, Contract V (Reach C).

1. Recent surveys (Job 89-94) as plotted on Encl 1 indicate the subject ramp at elevation 14.0 NGVD at the levee C/L.
2. The cross section taken in the vicinity of the ramp (sta. 485+00, Job 85-50) indicates ground elevations varying from elevation 9.3 NGVD to 7.0 NGVD from 150 feet to 550 feet floodside of levee C/L.
3. Based on the information provided in items 1&2 above, please advise if existing conditions will suffice for hurricane protection to prevent the raising/relocation of this ramp.
4. By copy of this memo we ask that F&M Br provide a transition section at the ramp, assuming no raising/relocation of the Bonnabel ramp is necessary.
5. P.O.C. is Sam Kearns/X2718.

Encl

DANIEL A. MARSALONE
Chief, Design Branch

CF: w/encl
C/F&M Br

~~CF: w/o encl~~
C/Des Svcs Br

CF: Barton

Roman

ROUTING SLIP (DA FORM 15)		NEVER USE FOR APPROVALS, DISAPPROVALS, CONCURRENCES OR SIMILAR ACTIONS	
TO		INITIALS	DATE
① Harrington, S		JA	24
Grate, SA			
Amedee, SD			
② Barton, SP			
Gagliano, SR			
Manson, SE			
Roman, SS			
SUSPENSE NO. <u>S-3463</u>			
NO RESPONSE REQUIRED			✓
RESPONSE IS DUE			
CHECK ACTION DESIRED			
<input type="checkbox"/>	INFOR- MATION	<input type="checkbox"/>	SIGNA- TURE
<input type="checkbox"/>	CIR- CULATE	<input type="checkbox"/>	NECES- SARY ACTION
<input type="checkbox"/>		<input type="checkbox"/>	NOTE AND RETURN
<input type="checkbox"/>		<input type="checkbox"/>	SEE ME
FROM		TELEPHONE	DATE
ORGANIZATION			

5 May 89

MEMORANDUM FOR C/F&M Br *PP 5/15*

SUBJECT: Lake Pontchartrain , La & Vicinity Hurricane Protection Project - Jefferson Parish Lakefront Levee Reaches B & C High Strength Geotextile Plan - Levee Crest width.

1. Messrs Napolitano and Stutts indicated to Mr. Chatry during their 5 May 89 meeting with him that your office has initiated the designs work to support a 5-ft levee crown in Reach B&C of the Jefferson Lakefront. Preliminary analysis shown that significant cost savings can be obtained by narrowing the crest width of the Geotextile Levee from its current design width of 10-feet to a width of 5-feet. Since contract work in Reach B has the tightest schedule, it should be your first order of work.
2. The above described work is needed as soon as possible but should be furnished directly to Design Br, Levee Section NLT COB 19 May 89 for Reach B, and 26 May 89 for Reach C.
3. If you have any questions concerning this request please contact Mr. Vann Stutts ext. 2614.

Thomas E. Harrington, Jr.
 THOMAS E. HARRINGTON, JR.
 Chief, Design Services Branch

CF:

Design Br
Levee Section

CELMN-ED-FS (CELMN-ED-SP/5 May 89) 1st End Mr. Chiu/aah/1032

CELMN-ED-F

YKC
24 May 89

FOR C/Design Services Branch

1. The requested design sections for both Reaches B and C were hand carried to Mr. Ronald Lee, ED-DL, on 24 May 89.
2. P.O.C. is Mr. Chiu, ext. 1032.

Rodney P. Picciola
 RODNEY P. PICCIOLA
 Chief, Foundations & Materials Branch

CF:
CELMN-ED-DL

rt

7/26

F-1137

CELMN-RE-AP (405-90h)

3 April 1989
Mrs. Cruppi/mm/1982

MEMORANDUM FOR Chief, Contracting Division

SUBJECT: Lake Pontchartrain, Louisiana and Vicinity, Hurricane Protection Project, Jefferson Parish Lakefront Levee, Baseline Station -0+30 to 115+70, Jefferson Parish, Louisiana

1. Memorandum, CELMN-ED-DL, dated 29 March 1988, requested right of entry for construction of subject project.
2. The East Jefferson Levee District, by letter dated 21 March 1989 and Resolution dated 20 March 1989, granted a right of entry for construction, along with ingress and egress, at the following locations. Therefore, right of entry is available.
 - a. West Esplanade Avenue and the West Return Levee, thence along the return levee to the lakefront;
 - b. Along and on the property of Jefferson Downs Racetrack extending from baseline station 94+00 to Sunset Boulevard;
 - c. Across the new and old discharge channels of Duncan Canal Pumping Station (No. 4);
 - d. Williams Boulevard and the Lakefront Levee, thence along the lakeside of the Lakefront Levee to baseline station 115+70;
 - e. An area 340 feet by 45 feet along the east bank of Duncan Canal at Pumping Station No. 4 for temporary storage of extracted sheet piling.
3. This completes right of entry requirements for construction as requested.

THAD J. BROWN
Chief, Real Estate Division

CF:
CELMN-ED-DL
~~CELMN-ED-SP~~
CELMN-ED-SS
CELMN-IC
CELMN-CD
CELMN-NO
CELMN-RE-AC
CELMN-RE-P
CELMN-RE-E


CELMN-ED-SP (1110-2-1150a)

5 May 89

MEMORANDUM FOR C/F&M Br




SUBJECT: Lake Pontchartrain , La & Vicinity Hurricane Protection Project - Jefferson Parish Lakefront Levee Reaches B & C High Strength Geotextile Plan - Levee Crest width.

1. Messrs Napolitano and Stutts indicated to Mr. Chatry during their 5 May 89 meeting with him that your office has initiated the designs work to support a 5-ft levee crown in Reach B&C of the Jefferson Lakefront. Preliminary analysis shown that significant cost savings can be obtained by narrowing the crest width of the Geotextile Levee from its current design width of 10-feet to a width of 5-feet. Since contract work in Reach B has the tightest schedule, it should be your first order of work.
2. The above described work is needed as soon as possible but should be furnished directly to Design Br Levee Section NLT COB 19 May 89 for Reach B, and 26 May 89 for Reach C.
3. If you have any questions concerning this request please contact Mr. Vann Stutts ext. 2614.


THOMAS E. HARRINGTON, JR.
Chief, Design Services Branch

CF:

Design Br
Levee Section


STUTTS
CELMN-ED-SF

BARTON
CELMN-ED-SF

HARRINGTON
CELMN-ED-S

July 27, 1988

Real Estate Division
Purchase Section

Mr. Gregory F. Gambel
President, East Jefferson Levee District
203 Plauche Court
Harahan, Louisiana 70123

Dear Mr. Gambel:

This letter is to confirm a verbal right of entry granted to Mr. Vann Stutts, Engineering Division, by Mr. Frank H. Renaudin, Chief Administrative Officer of the East Jefferson Levee District on July 8, 1988, in connection with work to be performed on the Lake Pontchartrain and Vicinity Hurricane Protection Project, Jefferson Parish Lakefront Levee, Reach C, Jefferson Parish, Louisiana.

The work will consist of soil borings at centerline levee stations 358+90, 384+00, 413+69, 453+50, 490+25, and 517+50 as shown on our map, file number H-2-30148, sheets 7 through 9, undated.

Equipment to be used in conducting these soil borings are standard soil boring rigs and two- or four-wheel drive vehicles. After the borings are completed, the holes will be backfilled and sealed.

Standard practices regarding the protection of the environment will be followed in accomplishing these soil borings. No roads, fences, buildings, or other improvements within the area will be disturbed. Routes of ingress and egress will consist of existing ramps, levees, and public roads.

It is requested that you please acknowledge at your earliest possible convenience, the verbal right of entry granted to the United States of America to perform the work described above, along with ingress and egress, for a period of one year, in order to meet our project schedule.

Your cooperation in granting this right of entry is appreciated and will enable us to maintain our work schedule.

Sincerely,

Thad J. Brown
Chief, Real Estate Division

Enclosure

Copies Furnished:

Mr. Curtis Patterson with enclosure
Assistant Chief Engineer, Water Resources
OPW

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

CELMV, ATTN: CELMV-RE-A without enclosure

CELMN-ED-FS without enclosure
√ CELMN-ED-SP without enclosure
CELMN-NO with enclosure
CELMN-RE-P without enclosure

July 27, 1988

Real Estate Division
Purchase Section

Mr. Gregory Gambel
President, Board of Levee Commissioners
East Jefferson Levee District
203 Plauche Court
Harahan, Louisiana 70123

Dear Mr. Gambel:

Our letters dated April 15, 1988 and June 15, 1988 advised that we propose to construct Lake Pontchartrain, Louisiana and Vicinity High Level Plan, Jefferson Lakefront Levee, First Lift, Jefferson Parish, Louisiana. The required right-of-way extends between baseline station -0+30 to 115+70 with construction within existing levee rights-of-way and a temporary construction easement, as indicated on our previously furnished map, file number H-8-30381, drawings 1 and 2 of 2, revised May 1988.

Ingress and egress was requested over property owned by Jefferson Downs, Loyola University, or the Archdiocese of New Orleans, and access by way of West Esplanade Avenue then extending along the existing shell road within the levee right-of-way to the lakefront levee.

Use of the Jefferson Downs access is limited to one way and can be withdrawn with thirty days notice. This will be acceptable as an additional access when needed by our contractor, but not as a main access.

Loyola University property or the Archdiocese of New Orleans property is considered to be the best access since it is wide enough for two-way access and does not interfere with any homes. It is suggested that you pursue negotiations and if not successful expropriate one of these properties. We will credit the reasonable cost of acquisition against the Levee District's 30 percent share of project cost.

Another possible access could be provided through Pump Station No. 4 to the levee rights-of-way. Access would be required from Sunset Boulevard using the asphalt road to the new station, crossing the new station bridge, then using the old station road to the old station inlet canal. At the old station inlet canal we would require our contractor to construct a bridge for vehicular access to the levee rights-of-way. The bridge would remain after

the contract is complete. We would require our Contractor to repair/replace any damage to the asphalt road to the new pumping station. Access through the pumping station would also be limited to one-way and would be costly due to the construction of the bridge, of which you would pay 30 percent of the project cost. However, we would need to know when and under what conditions access through the new station would not be available to our contractor. Whatever primary access is eventually furnished must be free of conditions in order that we can guarantee our contractor clear and unimpeded access on the east end of the job.

Right of entry was requested April 15, 1988 with award scheduled for July 1988. It is requested that you evaluate all the alternatives, advise us which access your agency will pursue and provide right of entry at the earliest possible date to avoid any further delay to this vital hurricane protection project.

If additional information or assistance are needed, please contact our Ms. Marie Withmeyer at 862-1979.

Sincerely,

Thad J. Brown
Chief, Real Estate Division

Copies Furnished:

Mr. Curtis Patterson
Assistant Chief Engineer, Water Resources
OPW

Mr. John Evanco
District Administrator
ATTN: Ms. Geneva P. Grille
District Design, Water Resources and
Development Engineer
Department of Transportation and Development
7252 Lakeshore Drive
New Orleans, Louisiana 70124

Mr. T. Robert Lacour
Attorney-at-Law
3220 Williams Boulevard
Kenner, Louisiana 70065-4594

CELMV, ATTN: CELMV-RE-A

(Please see page 3 for additional copies furnished)

Copies Furnished: (continued)

CELMN-ED-DL
CELMN-ED-PF
✓CELMN-ED-SP
CELMN-ED-SS
CELMN-CD
CELMN-NO
CELMN-RE-AC
CELMN-RE-P

August 15, 1988

Real Estate Division
Purchase Section

Mr. Gregory F. Gambel
President, East Jefferson Levee District
203 Plauche Court
Harahan, Louisiana 70123

Dear Mr. Gambel:

On July 8, 1988, your Mr. Frank Renaudin granted our Engineering Division's Mr. Vann Stutts, verbal right of entry to conduct soil borings at centerline stations 358+90, 384+00, 413+69, 453+50, 490+25, and 517+50 of the Lake Pontchartrain and Vicinity Hurricane Protection Project, Jefferson Lakefront Levee, Reach C, Jefferson Parish, Louisiana.

Our letter dated July 27, 1988, requested written confirmation of this right of entry. As of this date, we have not received confirmation. Please inform us as to the status of our request, at your earliest convenience. Should you have any questions, or if we may be of any assistance, please contact our Mr. Herbert L. Coakley at 862-2822.

Your rapid response and cooperation in providing confirmation of this right of entry are appreciated.

Sincerely,

Thad J. Brown
Chief, Real Estate Division

Enclosure

Copies Furnished:

Mr. Curtis Patterson with enclosure
Assistant Chief Engineer, Water Resources
OPW

(Please see page 2 for additional copies furnished)

Copies Furnished: (continued)

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

CELMV, ATTN: CELMV-RE-A without enclosure

~~CELMN-ED-FS~~ without enclosure
✓ ~~CELMN-ED-SP~~ without enclosure
CELMN-NO with enclosure
CELMN-RE-P without enclosure

CELMN-ED-SP
(1110-2-1150a)

Right-of-Entry to Take Soil Borings, Jefferson
Parish Lakefront Levee, Reach C - Verbal Approval.

C/F&M Br

C/Des Svcs Br

8 July 88
Stutts/saj/2614

1. Reference is made to the 8 July 88, phone conversation between your Mr. Shung-Kwok Chiu and Mr. Vann Stutts of this Branch concerning the subject right-of-entry request.
2. As discussed with Mr. Chiu, Mr. Stutts spoke to Mr. Frank Reneaudin of East Jefferson Levee District about the subject right-of-entry and was given approval for your boring crew to proceed. Mr. Reneaudin indicated that, should problems arise because of our presence on the levee, he should be called at the Levee District office, phone no. 733-0087. Mr. Stutts informed Mr. Reneaudin that the boring crew could be on the levee as early as 11 July 88.
3. This office will request that Real Estate Division obtain the formal right-of-entry approval. When the written approval is received, we will furnish a copy to your office for the record.

THOMAS E. HARRINGTON, JR.
Chief, Design Services Branch

STUTTS
CELMN-ED-SP
BARTON
CELMN-ED-SP
HARRINGTON
CELMN-ED-S



TERRY McCARTHY
Councilman, District 5

CITY OF KENNER

OFFICE OF THE COUNCIL

July 8, 1988

Mr. Van Stutz
Project Engineer
Corps of Engineers
P. O. Box 60267
Engineering Division
New Orleans, LA 70163

Dear Mr. Stutz:

Enclosed is a copy of a letter that I sent to Frank Renaudin. I wanted to keep you informed as to the feelings and concerns of my constituents, so that this important project can proceed as efficiently as possible, with the least amount of inconvenience to the Kenner Citizens in District 5.

If you would like to discuss any aspect of this project, please call me.

Sincerely,

CITY OF KENNER COUNCIL

Terry McCarthy
Councilman, District 5

TM/ss

Enclosure



CITY OF KENNER

OFFICE OF THE COUNCIL

TERRY McCARTHY
Councilman, District 5

July 8, 1988

Mr. Frank Renaudin
Chief Administration Officer
East Jefferson Levee District
203 Plauche Court
Harahan, LA 70123

Dear Frank:

Thank you for your participation in the presentation made at our town hall meeting last Wednesday, June 29th. Enclosed you will find a copy of a letter I sent to my constituents, those Kenner citizens who will be impacted by this project the most.

After careful evaluation, and discussion with engineering personnel, I would like to request of the Levee Board and the Corps of Engineers, a modification of the present construction plan. I believe it would be in the best interest of everyone to construct the flood wall at the same distance all along Grandlake Boulevard, and not come inward 20 feet for the last twelve (12) homes. Since the contract has not been accepted by the Levee Board, it is not too late for this change order.

I also believe that if there is any additional cost of this modification, it could be incorporated in any millage - bond issue that is presented to the public in the future.

Since these residents will be impacted the most from an inconvenience aspect if this project, I think it only reasonable that they be afforded the same construction as everyone else.

CITY OF KENNER

Page -2-

I would like to discuss the implication of this modification with you, and I am planning to attend the next Levee Board meeting to discuss it with all the members.

Sincerely,

CITY OF KENNER COUNCIL



Terry McCarthy
Councilman, District 5

TM/ss

cc: Councilman Michael Yenni
Councilman Bob Evans
Councilman Ed Muniz
Councilman Larry Hooper
Mayor Aaron Broussard
Councilman Nicholas Baroni
Councilman Kenneth Hipp
Councilman Louis Congemi
Councilman Bucky Lanning
Charlotte Burnell, CAO
Donald Crimen, Public Works
Mr. Jorge Romero, Corp of Engineers
Mr. Dan Marsalone, Corp of Engineers
Mr. Van Stutz, Corp of Engineers
Mr. John Lauricella, Jr., E. J. Levee Board
Mr. Frank Camberlin, E. J. Levee Board
Mr. Richard Richter, E. J. Levee Board
Mr. Gregory Gambel, E. J. Levee Board

CELMN-ED-SP
(1110-2-1150a)

Lake Pontchartrain La. & Vic Hurricane Protection
Project - Jefferson Parish Lakefront Levee,
Reach C - Right-of-Entry request for Soil Borings.

C/Real Est Div

C/Engr Div

11 Jul 88
Stutts/saj/2614

1. Enclosed, please find plates showing the locations where we propose to take six undisturbed soil borings. On 8 Jul 88, Mr. Vann Stutts of this office spoke to Mr. Frank H. Renaudin, Chief Administration Officer of East Jefferson Levee District, about the subject soil borings. Mr. Renaudin gave Mr. Stutts ~~verbal~~ ^{oral} approval for our boring crew to go on the levee. Mr. Stutts told Mr. Renaudin that the work could begin as soon as 11 Jul 88, and should take about 2 weeks with weather permitting.
2. It is requested that your office obtain the Rights-of-Entry in writing to do the work described in paragraph 3 below.
3. The work will consist of six borings to be taken at the following levee stations: 358+90; 384+00; 413+69; 453+50; 490+25; and 517+50. Borings will be taken along the existing centerline of the levee. Locations of the borings are shown on the enclosed plates (plates 6 through 9). Equipment to be used in conducting these soil borings consists of a standard soil boring rig and two- or four-wheel drive support vehicle. Following completion of the boring, the hole will be backfilled and sealed. Standard practices regarding the protection of the environment will be followed in accomplishing these soil borings. No roads, fences, buildings, or other improvements within the area will be disturbed. Routes of ingress and egress will consist of existing ramps, levee and/or public roads.
4. Should you have any questions concerning this request, please contact Mr. Vann Stutts, ext 2614.

Encl
(16 copies)

FREDERIC M. CHATRY
Chief, Engineering Division

Stutts
STUTTS
CELMN-ED-SP
EB
BARTON
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2/8/12
HARRINGTON
CELMN-ED-S
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CHATRY
CELMN-ED

April 11, 1988

Real Estate Division
Purchase Section

Mr. John L. Lauricella, Jr.
President, East Jefferson Levee District
203 Plauche Court
Harahan, Louisiana 70123

Dear Mr. Lauricella:

This letter is to confirm a verbal right of entry granted to Mr. Vann Statuts, Engineering Division by Mr. Frank H. Renaudin, Chief Administrative Officer of the East Jefferson Levee District on March 24, 1988, in connection with work to be performed on the Lake Pontchartrain and Vicinity, Jefferson Lakefront Levee, Jefferson Parish, Louisiana.

The work will consist of three soil borings at stations 266+50, 314+75 and 284+10 as shown on our plat map, Lake Pontchartrain and Vicinity, Jefferson Lakefront Levee, drawings 1 through 2 of 2, dated March 1988.

Equipment to be used in conducting these soil borings are hand augers and two- or four-wheel drive vehicles. After the borings are completed, the holes will be backfilled or sealed.

Standard practices regarding the protection of the environment will be followed in accomplishing these soil borings. No roads, fences, buildings or other improvements within the area will be disturbed. Routes of ingress and egress will consist of existing ramps, levees and public roads.

It is requested that you please acknowledge at your earliest possible convenience, the verbal right of entry granted to the United States of America to perform the work described above, along with ingress and egress, for a period of one year, in order to meet our project schedule.

Your cooperation in granting right of entry is appreciated and will enable us to maintain our work schedule.

Sincerely,

Thad J. Brown
Chief, Real Estate Division

Enclosure (Quad)

Copies Furnished:

Mr. Curtis Patterson with enclosure
Assistant Chief Engineer, Water Resources
OPW

Mr. John Evanco with enclosure (dupe)
District Administrator
ATTN: Ms. Geneva P. Grille
District Design, Water Resources and
Development Engineer
Department of Transportation and Development
7252 Lakeshore Drive
New Orleans, Louisiana 70124

CELMV-ATTN: CELMV-RE-A without enclosure

✓ CELMN-ED-FS without enclosure
✓ CELMN-ED-SP without enclosure
CELMN-NO with enclosure
CELMN-RE-P without enclosure

For use of this form, see AF 342-15; the proponent agency is TAGO.

REFERENCE OR OFFICE SYMBOL
CELMN-ED-SD (115)

SUBJECT
Lake Pontchartrain, La. & Vicinity Hurricane
Protection Project High Level Plan Design Memo
No. 17 Jefferson Drive Lakefront Levee - Drafting

TO
C/Proj Engr Sec
Attn: Mr. Vann Stutts

FROM
C/Drafting Sec

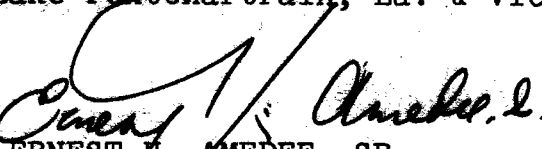
DATE
4 Mar 88
James/gcw/2569

GMT 1

Reference DF, CELMN-ED-SP, 3 Mar 88. We are forwarding as per your request the following:

- a. 27- $\frac{1}{2}$ scale plates of Lake Pontchartrain, La. & Vicinity.

27 Encls


ERNEST H. AMEDEE, SR.
Chief, Drafting Section

CELMN-ED-SD (115)

Lake Pontchartrain, La. & Vicinity Hurricane
Protection Project High Level Plan Design Memo
No. 17 Jefferson Drive Lakefront Levee - Drafting

C/Proj Engr Sec
Attn: Mr. Vann Stutts

C/Drafting Sec

4 Mar 88
James/gcw/2569

Reference DF, CELMN-ED-SP, 3 Mar 88. We are forwarding as per your request the following:

- a. 27- $\frac{1}{2}$ scale plates of Lake Pontchartrain, La. & Vicinity.

27 Encls

ERNEST H. AMEDEE, SR.
Chief, Drafting Section

Lake Pontchartrain, Louisiana and Vicinity
High Level Plan, Jefferson Parish Lakefront Levee,
First Lift, Jefferson Parish, Louisiana.

CELMN-ED-DL

C/Real Est Div

C/Engr Div

29 Mar 88

Mr. Achreja/cw/2772

1. You are requested to obtain right of entry to perform a preconstruction check survey for the subject work or soon as possible but no later than 29 April 1988 and shall be valid through 30 ~~June~~ ^{May} 1988.
2. You are also requested to obtain right-of-way and right of entry for construction purposes for the subject work as soon possible but no later than 30 ~~June~~ ^{May} 88.
3. Pertinent information regarding these requests are as follows:
 - a. Type of real estate interest required. R/W and R/E for surveying and construction purposes required for the subject levee, as shown on drawing 1 ~~through~~ ^{and} 2 of 2, file number H-8-30381 dated March 1988.
 - b. Description of Work to be Performed. The existing levee will be enlarged with material hauled from Bonnet Carre' spillway using land based equipment.
 - c. Access Roads. The following access routes are requested:
 - (1) In the vicinity of B/L station 94+00, an access road easement through Jefferson Downs Race track shall extend from Sunset Blvd. to the existing levee right-of-way. The width of the access should be 40 feet where practicable. For the last few hundred feet, the opening between the westernmost track wall and the existing fence will be acceptable.
 - (2) Opposite levee B/L station 43+17.34, an access road easement, 40 foot wide along the western most fence line shall extend from Sunset Blvd. to the existing levee right-of-way. We will require our contractor to construct a fence along the eastern side of the road and parallel thereto to secure the animals within the pasture.
 - (3) Access to the west return levee right-of-way by way of Vintage Dr. then shall extend along the existing shell road within the levee right-of-way to the lakefront levee.
 - d. Miscellaneous information. The sheet piling between B/L sta. 33+00 to B/L sta. 53+20.66 will be pulled during the embankment construction. The sheet piling will be pulled only after the new embankment ^{is} equal to or higher than the existing sheeting protection. The levee Board is requested to provided a construction easement of 100 ft by 300 ft for the purpose of storing this sheet piling. This sheeting maybe used for interim protection during future lakefront levee construction.

CELMM-ED-DL

SUBJECT: Lake pontchartrain, Louisiana and Vicinity High Level Plan,
Jefferson Parish Lakefront Levee, First Lift, Jefferson Parish,
Louisiana

GNT 1

4. This work^{is} scheduled for award in July 1988.
5. Charge all work associated with this request BEC23 304L 10 PS01.
6. Design Branch coordinatres for this work are Messrs. Singh Achreja, ext. 2772 and Ronald Lee, ext. 2717.

FREDERIC M. CHATRY
Chief, Engineering Division

Encl (12 cys)
Dwgs, File No. H-8-30381
dated March 88
Sheet 1 thru 2 of 2
and

CY: w/out encl

✓CELMM-ED-SP

CELMM-ED-SS

CELMM-ED-SL

CELMM-ED-CD

CELMM-ED-SD

CELMM-NO

CELMN-ED-SP
(1110-2-1150a)

Lake Pontchartrain La. & Vicinity Hurricane
Protection Project - Jefferson Parish Lakefront
Levee DM 17 - Drafting Request.

C/Drafting Sec

C/Proj Engr Sec

15 April 88
Stutts/saj/2614

1. Enclosed, please find copies of 5 plates and their originals that requires drafting work. (Hand-carried to your Mr. Demas)
2. It is requested that you make additions to the originals so that the markups shown in red on the copies will appear on the title block information. A sample title block is enclosed.
3. The above described work is needed ASAP but should be provided NLT COB 25 April 1988. Your inhouse hired labor charges should be charged to account No.BEC23304L10AAGO. Should you have any questions concerning this request please contact Mr. Stutts on ext 2614.

11 Encl

ERNEST E. BARTON
Chief, Projects Engineering Section

Stutts
STUTTS
CELMN-ED-SP

Barton
BARTON
CELMN-ED-SP

12-22-87

CELMN-ED-SP

MEMORANDUM FOR: Commander & Director, Waterways Experiment Station

SUBJECT: Letter of Appreciation

1. On behalf of my staff and myself I wish to express our appreciation for the very excellent service that the WES printing office gave the New Orleans District over the past year. In particular I wish to thank CEWES-AF for that extra effort to get the job done which was demonstrated recently by the printing of two General Design Memorandums, Lake Pontchartrain LA & Vicinity High Level Plan, GDM No. 17 Jefferson Parish Lakefront Level and the New Orleans to Venice, Louisiana, Reach A Revised - City Price to Tropical Bend, La, GDM No. 1, Supplement No. 5.

2. Specifically, I am told that your Mr. Norman McKay and his staff demonstrated outstanding professionalism and service. Their efforts in coordinating and working with my staff on the two aforementioned reports resulted in high quality products being printed and delivered to NOD within an extremely tight schedule.

3. It is particularly gratifying for me to hear of instances where separate offices in the Corps family pull together to get the job done. Please extend my personal thanks to your staff for their outstanding service.

L. K. Brown

LLOYD K. BROWN
Colonel, CE
Commanding

Stutts
STUTTS
CELMN-ED-SP
Barton
BARTON
CELMN-ED-SP
Harrington
HARRINGTON
CELMN-ED-SP
Chattry
CHATTRY
CELMN-ED
EXEC OFF

12/22/87



United States Department of the Interior

FISH AND WILDLIFE SERVICE

POST OFFICE BOX 4305
103 EAST CYPRESS STREET
LAFAYETTE, LOUISIANA 70502

September 29, 1987

Colonel Lloyd K. Brown
District Engineer
U.S. Army Corps of Engineers
Post Office Box 60267
New Orleans, Louisiana 70160

Dear Colonel Brown:

Reference is made to the General Design Memorandum (Memorandum) being prepared for the Jefferson Parish Lakefront Levee feature of the Lake Pontchartrain, Louisiana, and Vicinity Hurricane Protection Project. That document, known as Design Memorandum 17, presents the essential data, assumptions, and information used in developing the recommended design for the above-referenced project feature and is to be transmitted for review and approval by the Division Engineer, Lower Mississippi Valley Division. This report on the plan recommended in the Memorandum is a supplement to the Fish and Wildlife Coordination Act Report which was submitted in July 1984 and attached to the Corps of Engineer's (Corps) Main Report and Supplement 1 to the Environmental Impact Statement for this project. This supplemental report constitutes the report of the Secretary of the Interior as required by Section 2(b) of the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661 et seq.). The Fish and Wildlife Service (Service) has coordinated its findings and recommendations on the proposed plan with the Louisiana Department of Wildlife and Fisheries and the National Marine Fisheries Service.

The Jefferson Parish Lakefront levee, as proposed in the Corps' Main Report and Environmental Impact Statement, would extend easterly along Lake Pontchartrain for 10.4 miles from the point where the Jefferson Parish/St. Charles Parish line intersects Lake Pontchartrain, and would tie into the westernmost return levee on the 17th Street Outfall Canal. Floodwalls would be constructed at the levee's tie-in to two pumping stations, at a T-wall closure at another pumping station, and at Causeway Boulevard. The recommended plan calls for degrading the existing levee and reinforcing the soil foundation of that levee with a high-strength geotextile fabric and hauled-in clay fill. The fill material would be obtained from that portion of the Bonnet Carre Spillway located between the Mississippi River and U.S. Highway 61, in St. Charles Parish, Louisiana. The existing levee would be upgraded to a crown elevation of 18 feet National Geodetic Vertical Datum and would have a basal width of 200 feet.

The existing levee to be affected by the proposed improvements is frequently mowed. Predominant vegetation on the levee includes perennial grasses and herbs. Marsh elder, Chinese tallow, black willow and elderberry also occur on the northern edge of the levee. Because of human disturbance and vegetative composition, the levee provides limited value to wildlife. Therefore, the levee has been designated as Resource Category 4, as defined in the Service's Mitigation Policy (Federal Register, Volume 46, No. 15, January 23, 1981).

The existing levee to be modified is bounded to the south (protected side) by residential and commercial development, and on the north (flood side) by Lake Pontchartrain. Lake Pontchartrain is classified as estuarine open water (Cowardin et al. 1979); the salinity in this large open water body ranges from fresh to brackish. The lake has been designated as Resource Category 3 habitat; this area provides habitat for a number of commercially and recreationally important fish and shellfish, including blue catfish, striped mullet, Atlantic croaker, spot, spotted seatrout, red drum, black drum, blue crab, white shrimp, and brown shrimp.

Approximately 190 acres of the Bonnet Carre Spillway would be impacted to obtain levee borrow material. That portion of the Spillway has been disturbed by mowing, vehicular traffic, and sand mining operations. Vegetation present in the higher areas includes various grasses and other non-woody perennials, with scattered willow; such areas are classified as Resource Category 4 habitat. Sand mining pits are also present; vegetation present in or around these pits includes Ludwigia spp., coontail, alligatorweed, cattail, smartweed, black willow, and Sagittaria spp. The vegetated portions of these pits provide wetland habitat of moderate value to wildlife such as wading birds, rails, gallinules, raccoon, and nutria, and are classified as Resource Category 3 habitat. The non-vegetated, deeper sand mining pits are classified as Resource Category 4 habitat.


The work described in the Memorandum represents a substantial reduction in impacts from that described in the Final Report and the Environmental Impact Statement for the project feature in question. As described in that report, the levee would have been constructed parallel to and 2,500 feet lakeward from the existing levee and required the creation of a deep 585-acre borrow pit in Lake Pontchartrain. Now, however, the Corps proposes to refurbish the levee using geotextile material combined with hauled-in fill from the Bonnet Carre Spillway. In addition, all levee work will be conducted on the protected side of the levee, thus reducing impacts to the lakefront even further. Because of the substantial reduction in impacts from that previously proposed, and the relatively minor, short-term impacts attributable to the work, little opportunity exists for further reduction of impacts to fish and wildlife resources along the planned levee alignment.

According to your staff, the Corps intends to place the borrow pits for this project feature within the anticipated channel right-of-way for the proposed Bonnet Carre freshwater diversion project. That project will eventually provide freshwater from the Mississippi River to Lake Pontchartrain. While the Service recognizes the potential for

minimizing the combined impacts of the proposed borrow pits and channel, it is likely that excavation of the channel is at least several years away. In the interim, the Service recommends that on-site mitigation measures be implemented to further reduce the impacts of the proposed levee borrow activities on fish and wildlife. Such mitigation would include sloping the edges of the borrow pits, thereby creating a fringe of wetland vegetation and associated shallow open water area around the pits. This type of construction technique would allow use of the borrow pits by wading birds and other wetland associated wildlife, and would provide spawning areas for some sport fishes. The slopes would ideally be constructed at a ratio of 1 foot of drop every 12 feet over a distance of approximately 50 feet.

Please advise us of any significant changes proposed in the General Design Memorandum as it proceeds through the Corps' review and approval process so that we may provide you with the appropriate finding and recommendations relative to those changes.

Sincerely yours,


David W. Fruge
Field Supervisor

TES/pl

cc: EPA, Dallas, TX
LA Dept. of Wildlife and Fisheries, Baton Rouge, LA
LA Dept. of Natural Resources (CMD), Baton Rouge, LA
NMFS, Baton Rouge, LA

LITERATURE CITED

Cowardin, Lewis M., Virginia Carter, Francis C. Golet, and Edward T. LaRoe. 1979. Classification of wetlands and deepwater habitats of the United States. Fish and Wildlife Service, Office of Biological Services. FWS/OBS-79/31. 103pp.

September 15, 1987

Engineering Division
Projects Engineering Section

Mrs. Geneva P. Grille, District Design
Water Resources and Development Engineer
Department of Transportation and Development
7252 Lakeshore Drive
New Orleans, Louisiana 70124-2498

Dear Mrs. Grille:

Reference is made to your June 18, 1987 letter concerning State Project No. 7050-26-06, East Jefferson Levee District, Lake Pontchartrain, Louisiana and Vicinity Hurricane Protection Levee, and to my interim response letter dated July 9, 1987.

We have completed the requested flood study of the East Jefferson area; enclosed please find a photostatic copy of the requested flooded area map. The map depicts estimates of flooding for the 100-year and Standard Project Hurricane events critical to the East Jefferson area. Estimates of flooding were developed using our latest surveys of the Item A, B, and C levees. As requested, these surveys were reduced to the latest 1985 unadjusted NGVD. For the purpose of the study, it was assumed that the unleveed area south of the termination point of the Item A levee, vicinity of Airline Highway (Highway 61) was not sandbagged. Also, overflow that would result from high stages in the 17th Street Canal, Item C levee, at I-10 was computed assuming existing conditions and no sandbagging.

The flooded area map delineates the ponding of water that would result from a combination of overtopping and coincidental rainfall. Please note that local flooding that could result from rainfall-runoff in the higher relief areas of East Jefferson Parish were not evaluated in this study.

To help one interpret or visualize the amount of flooding that would be experienced with a -1.5 ft or a +3.0 ft stage, random representative points were selected, and the depths of flooding over the ground at the points are shown in the black circles on your copy of the map. We are currently preparing a larger photo map to be used at the East Jefferson Levee District's upcoming public meeting.

The photo map will show the same data as that which is shown on the enclosed photostatic copy.

I trust that the foregoing satisfies your needs. Should you have any questions concerning this matter, please call Mr. VannStutts, phone no. (504) 362-2614.

Sincerely,

Frederic M. Chatry
Chief, Engineering Division

Enclosure

M
STUTTS
CELMN-ED-9

SS
BARTON
CELMN-ED-9

JHIS
HARRINGTON
CELMN-ED-9

[Signature]
SOTHEAD
CELMN-ED-9

[Signature]
CHATRY
CELMN-ED

July 9, 1987

Engineering Division
Projects Engineering Section

Mrs. Geneva P. Grille, District Design
Water Resources and Development Engineer
Department of Transportation and Development
7252 Lakeshore Drive
New Orleans, Louisiana 70124-2498

Dear Mrs. Grille:

This is to acknowledge receipt of your letter dated June 18, 1987 concerning State Project No. 750-26-06, East Jefferson Levee District, Lake Pontchartrain, Louisiana and Vicinity Hurricane Protection Project.

Your request for this office to develop estimates of interior flooding, using the most recent surveys of bench marks (1985) adjusted to the latest NGVD datum, will require approximately two months. We will furnish the results of this study to you in early September 1987. Results will be displayed in the form of flooded area maps depicting flooding for the 100-year and SPH events.

Relative to your request for information about the extent of the "unsafe levee reach vicinity of Station 295+00", the reach in question applies to the I-wall in levee that exists between stations 274+07 and 351+70. However, please note that the factor-of-safety previously furnished (0.8) is based on design assumptions which are applicable only in the long term. The applicable factor-of-safety for the short term, about 4-5 years, would be 1.25 for the 100-year event. By this time it is likely that corrective action will have been initiated under the Federal project.

Should you have any questions concerning this matter, please contact Mr. Vann Stutts, phone number 862-2614.

Sincerely,

Frederic M. Chatry
Chief, Engineering Division

Copy Furnished:

Mr. John Lauricella, Jr.
President, Board of Commissioners
East Jefferson Levee District
203 Plauche Court
Harahan, Louisiana 70123

MS
STUTTS
CELMN-ED-SP

MS
BARTON
CELMN-ED-SP

JA
HARRINGTON
CELMN-ED-S

MS
SOTELLO
CELMN-ED-H

MS
PIZZOLA *JP 46*
CELMN-ED-F

MS
CHATRY
CELMN-ED



Robert G. Graves
Secretary

Department of Transportation and Development

7252 LAKESHORE DRIVE
NEW ORLEANS, LOUISIANA 70124-2498
(504) 283-3418



Edwin W. Edwards
Governor

June 18, 1987

Colonel Lloyd K. Brown
District Engineer
Department of the Army
New Orleans District, Corps of Engineers
P. O. Box 60267
New Orleans, Louisiana 70160

Attention: Mr. Fred Chatry
Chief, Engineering Division

Re: State Project No. 750-26-06
East Jefferson Levee District
Lake Pontchartrain, La. & Vicinity
Hurricane Protection Levee

Gentlemen:

On behalf of the East Jefferson Levee District, I am requesting a map delineating overflow limits for flooding caused by the 100-year and standard project hurricane (SPH) events for the east bank of Jefferson Parish extending between the 17th Street Canal and the Jefferson-St. Charles West Return Levee. I would also like to have estimates of interior water stage elevations resulting from the combination of freeflow over the existing Item A, B and C lines of protection and rainfall associated with each event.

I would like to have this information evaluated based on the most recent (1985) surveys taken by your district, adjusted to the latest NGVD datum and stability information as furnished to me in Mr. Chatry's letter dated January 20, 1987.

We feel this information is vital to the Levee District in presenting the necessity of the High Level Plan in seeking the local share of funding. We also request information as to extent of unstable levee reach in the vicinity of Sta. 295+00, Item B levee and your advice regarding repair.

For your use and information I am furnishing a set of our profiles for Item A, B and C levees based on NGVD, Year 1963-64. Also attached is a set of profiles taken by Jefferson Parish Dept. of Public Utilities of Item B levee based on 1985 unadjusted NGVD.

Your earliest consideration to this request would be greatly appreciated.

Colonel Lloyd K. Brown
Department of the Army

2

June 18, 1987

Very truly yours,

JOHN EVANCO, P. E.
DISTRICT ADMINISTRATOR



GENEVA P. GRILLE, P. E.
DISTRICT DESIGN, WATER RESOURCES
& DEVELOPMENT ENGINEER

GPG/sbn

Enclosure: (1 complete set of profiles)

xc: Mr. Frank Renaudin
Mr. William F. Middleton
Mr. Curtis Patterson
Files

September 16, 1987

Engineering Division
Projects Engineering Section

Mrs. Geneva P. Grille, District Design
Water Resources and Development Engineer
Department of Transportation and Development
7252 Lakeshore Drive
New Orleans, Louisiana 70124-2498

Dear Mrs. Grille:

Reference is made to your June 18, 1987 letter concerning State Project No. 7050-26-06, East Jefferson Levee District, Lake Pontchartrain, La. and Vicinity Hurricane Protection Levee, and to my interim response letter dated July 9, 1987.

We have completed the requested flood study of the East Jefferson area; enclosed please find a photostatic copy of the requested flooded area map. The map depicts estimates of flooding for the 100-year and Standard Project Hurricane events critical to the East Jefferson area. Estimates of flooding were developed using our latest surveys of the Item A, B, and C levees. As requested, these surveys were reduced to the latest 1985 unadjusted NGVD Datum. For the purpose of the study, it was assumed that the unleveed area south of the termination point of the Item A levee, vicinity of Airline Hwy (Hwy 61) was not sandbagged. Also, overflow that would result from high stages in the 17th Street Canal, Item C levee, at I-10 was computed assuming existing conditions and no sandbagging.

The flooded area map delineates the ponding of water that would result from a combination of overtopping and coincidental rainfall. Please note that local flooding that could result from rainfall-runoff in the higher relief areas of East Jefferson Parish were not evaluated in this study.

To help one interpret or visualize the amount of flooding that would be experienced with a - 1.5 ft or a +3.0 ft stage, random representative points were selected, and the depths of flooding over the ground at the points are shown in the black circles on your copy of the map. We are currently preparing a larger photo map to be used at the East Jefferson Levee District's upcoming public meeting.

The photo map will show the same data as that which is shown on the enclosed photostatic copy.

I trust that the foregoing satisfies your needs. Should you have any questions concerning this matter, please call Mr. Van Stutts, phone no. (504) 862-2614.

Sincerely,

Frederic M. Chatry
Chief, Engineering Division

Enclosure

September 16, 1987

Engineering Division
Projects Engineering Section

Mrs. Geneva P. Grille, District Design
Water Resources and Development Engineer
Department of Transportation and Development
7252 Lakeshore Drive
New Orleans, Louisiana 70124-2498

Dear Mrs. Grille:

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We have completed the requested flood study of the East Jefferson area; enclosed please find a photostatic copy of the requested flooded area map. The map depicts estimates of flooding for the 100-year and Standard Project Hurricane events critical to the East Jefferson area. Estimates of flooding were developed using our latest surveys of the Item A, B, and C levees. As requested, these surveys were reduced to the latest 1985 unadjusted NGVD Datum. For the purpose of the study, it was assumed that the unleveed area south of the termination point of the Item A levee, vicinity of Airline Hwy (Hwy 61) was not sandbagged. Also, overflow that would result from high stages in the 17th Street Canal, Item C levee, at I-10 was computed assuming existing conditions and no sandbagging.

The flooded area map delineates the ponding of water that would result from a combination of overtopping and coincidental rainfall. Please note that local flooding that could result from rainfall-runoff in the higher relief areas of East Jefferson Parish were not evaluated in this study.

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I trust that the foregoing satisfies your needs. Should you have any questions concerning this matter, please call Mr. Van Stutts, phone no. (504) 862-2614.

Sincerely,

Frederic M. Chatry
Chief, Engineering Division

Enclosure

REPLY TO
ATTENTION OF:

LMNED-ED

24 June 1981

Mr. Peter J. Russo, Director
Jefferson Parish Department of Public Utilities
P. O. Box 9126
Metairie, Louisiana 70055

Dear Mr. Russo:

Reference is made to your letter of 19 May 1981 in which you requested criteria for determining eligible credits for hurricane protection at the Jefferson Parish lakefront pumping stations. The criteria you have requested will be detailed in a General Design Memorandum (GDM) which is presently scheduled to be completed in approximately 18 months.

The GDM will study various alternatives and costs for providing the required hurricane protection at the pumping stations. The alternatives will include, among other items, floodwalls at the stations in conjunction with by-pass discharge pipes and cofferdams. The least expensive alternative that provides the required protection will become the plan selected. The work performed by local interests at the pumping stations will be studied for inclusion into the final approved GDM plan. Until the GDM is completed, working credits will be provided to the local assuring agency (Pontchartrain Levee District) for the fronting protection being provided at the pumping stations. Our estimate of those credits are as follows:

Pumping Station No. 1	\$2,438,000	(Contract for cofferdam and by-pass, December 1980)
Pumping Station No. 2	\$1,021,000	(Corps estimate contract award, October 1988)
Pumping Station No. 3	\$2,100,000	(Contract for cofferdam, by-pass and floodwall, December 1975 and October 1980)
Pumping Station No. 4	\$1,867,000	(Contract for cofferdam and by-pass, December 1980)
	<u>\$7,426,000</u>	

All of the above costs are subject to refinement in development of the GDM. The completed GDM will reflect the exact credit that will be applied toward the local interest's share of the project.

Enclosure

③

24 June 1981

LD-70
Mr. Peter J. Russo, Director

When information is available, your office will be informed as to the results of the CDI. Until that time, please feel free to contact us regarding any questions you may have.

Sincerely,

THOMAS A. SANDS
Colonel, CE
Commander and District Engineer

Copies furnished with basic:

Mr. Gasper Chifoci, District Engineer
Office of Public Works
Southeast District
7252 Lakeshore Drive
New Orleans, LA. 70124

Mr. Irvin P. Hingle, Jr., Assistant Secretary
Louisiana Department of Transportation and Development
Office of Public Works
P.O. Box 44155, Capitol Station
Baton Rouge, Louisiana 70804

Mr. Gasper Chifoci, District Engineer
Office of Public Works
P.O. Box 9179
Bridge City, LA. 70074

Mr. Arthur Theis, Chief Engineer
Louisiana Department of Transportation and Development
P.O. Box 44153, Capitol Station
Baton Rouge, LA. 70804

Mr. Aubrey J. LaPlace, President
Pontchartrain Levee District
P.O. Box 426
Litcher, LA. 70071

Mr. John Lauricella, President
Jefferson Levee District
5333 River Road, Suite C
Harahan, LA. 70123

Should you have any questions concerning this matter, please contact Mr. Vann Stutts, phone number 862-2614.

Sincerely,

Frederic M. Chatry
Chief, Engineering Division

Copy Furnished:

Mr. John Lauricella, Jr.
President, Board of Commissioners
East Jefferson Levee District
203 Plauche Court
Harahan, Louisiana 70123

~~STUTTS~~
CEL MN-ED-SP

~~BARTON~~
CEL MN-ED-SP

~~HARRINGTON~~
CEL MN-ED-S

~~SOYAK~~
CEL MN-ED-H

~~PIZZOLA JR~~
CEL MN-ED-F

~~CHATRY~~
CEL MN-ED

5:6/24

Mr. Chatry
~~Mr. Stutts~~
Mr. Harrington



July 9, 1987

Engineering Division
Projects Engineering Section

Mrs. Geneva P. Grille, District Design
Water Resources and Development Engineer
Department of Transportation and Development
7252 Lakeshore Drive
New Orleans, Louisiana 70124-2498

Dear Mrs. Grille:

This is to acknowledge receipt of your letter dated June 18, 1987 concerning State Project No. 750-26-06, East Jefferson Levee District, Lake Pontchartrain, Louisiana and Vicinity Hurricane Protection Project.

Your request for this office to develop estimates of interior flooding, using the most recent surveys of bench marks (1985) adjusted to the latest NGVD datum, will require approximately two months. We will furnish the results of this study to you in early September 1987. Results will be displayed in the form of flooded area maps depicting flooding for the 100-year and SPH events.

Relative to your request for information about the extent of the "unsafe levee reach vicinity of Station 295+00", the reach in question applies to the I-wall in levee that exists between stations 274+07 and 351+70. However, please note that the factor-of-safety previously furnished (0.8) is based on design assumptions which are applicable only in the long term. The applicable factor-of-safety for the short term, about 4-5 years, would be 1.25 for the 100-year event. By this time it is likely that corrective action will have been initiated under the Federal project.



Robert G. Graves
Secretary

Department of Transportation and Development

7252 LAKESHORE DRIVE
NEW ORLEANS, LOUISIANA 70124-2498
(504) 283-3418



Edwin W. Edwards
Governor

June 18, 1987

Colonel Lloyd K. Brown
District Engineer
Department of the Army
New Orleans District, Corps of Engineers
P. O. Box 60267
New Orleans, Louisiana 70160

Attention: Mr. Fred Chatry
Chief, Engineering Division

Re: State Project No. 750-26-06
East Jefferson Levee District
Lake Pontchartrain, La. & Vicinity
Hurricane Protection Levee

Gentlemen:

On behalf of the East Jefferson Levee District, I am requesting a map delineating overflow limits for flooding caused by the 100-year and standard project hurricane (SPH) events for the east bank of Jefferson Parish extending between the 17th Street Canal and the Jefferson-St. Charles West Return Levee. I would also like to have estimates of interior water stage elevations resulting from the combination of freeflow over the existing Item A, B and C lines of protection and rainfall associated with each event.

I would like to have this information evaluated based on the most recent (1985) surveys taken by your district, adjusted to the latest NGVD datum and stability information as furnished to me in Mr. Chatry's letter dated January 20, 1987.

We feel this information is vital to the Levee District in presenting the necessity of the High Level Plan in seeking the local share of funding. We also request information as to extent of unstable levee reach in the vicinity of Sta. 295+00, Item B levee and your advice regarding repair.

For your use and information I am furnishing a set of our profiles for Item A, B and C levees based on NGVD, Year 1963-64. Also attached is a set of profiles taken by Jefferson Parish Dept. of Public Utilities of Item B levee based on 1985 unadjusted NGVD.

Your earliest consideration to this request would be greatly appreciated.

Colonel Lloyd K. Brown
Department of the Army

2

June 18, 1987

Very truly yours,

JOHN EVANCO, P. E.
DISTRICT ADMINISTRATOR



GENEVA P. GRILLE, P. E.
DISTRICT DESIGN, WATER RESOURCES
& DEVELOPMENT ENGINEER

GPG/sbn

Enclosure: (1 complete set of profiles)

xc: Mr. Frank Renaudin
Mr. William F. Middleton
Mr. Curtis Patterson
Files

July 2, 1987

Engineering Division
Projects Engineering Section

Mr. Reda Youssef, P.E.
Project Engineer
J.J. Krebs & Sons, Inc./
Pepper & Associates, Inc.
Post Office Box 19688
New Orleans, Louisiana 70179

Dear Mr. Youssef:

Reference your letter of May 27, 1987 concerning the A+ Grade Improvements, North Causeway Blvd. (20th Street to the South Toll Plaza) - Public Works Project No. 77-59-430.

We have reviewed the materials furnished in the referenced letter and offer the following observations:

a. The proposed roadway improvements do not significantly affect the proposed floodwall and roadway gate designs that were recently completed for presentation in our General Design Memorandum (GDM) for the Jefferson Parish Lakefront Levee, GDM No. 17.

b. Since the referenced proposed roadway improvement plans are preliminary at this time and have not been approved by the Causeway Commission, we intend to present our designs based on the existing conditions in the causeway area in GDM No. 17. Any required revisions to our floodwall and roadway gate designs will be made during preparation of our Plans and Specifications. When we undertake the preparation of the Plans and Specifications, we will coordinate our design efforts with your office to ensure that our flood protection plan dovetails with the proposed roadway improvements.

If you have any questions concerning the above observations, please contact Mr. Vann Stutts, phone number 862-2614.

Sincerely,

Frederic M. Chatry
Chief, Engineering Division

MS
STUTTS
CELMN-ED-SI
93
BARTON
CELMN-ED-SI
MA 2
HARRINGTON
CELMN-ED-S
W
JUDLIN
CELMN-ED-D
MS
CHATRY
CELMN-ED
W
6 Du *NETTLES*
1987-08

J. J. KREBS & SONS, INC. / PEPPER & ASSOCIATES, INC.

CONSULTING ENGINEERS

(An Engineering Joint Venture)

Post Office Box 19688

New Orleans, Louisiana 70179

May 27, 1987

Mr. Frederic M. Chatry
Chief of Engineering Division
U.S. Army Corps of Engineers
P. O. Box 60267
New Orleans, Louisiana 70160

RE: At-Grade Improvements
North Causeway Blvd.
(20th St. to the South
Toll Plaza) - Public Works
No. 77-59-430

ATTENTION: Mr. Van Stutts

Gentlemen:

We are enclosing for your review, two (2) sets of the following prints (final plans - subject to revision) which encompass the At-Grade levee crossing of Causeway Boulevard at the south approach to Lake Pontchartrain:

- (1) Typical Section Sheet No. 2a
- (2) Plan-Profile Sheet No. 8
- (3) Drainage Plan-Profile Sheet No. 15
- (4) Geometric Sheet No. 25

Please inform us of any pertinent comments regarding these plans as is; and, in conjunction with any proposed work by your office for this area.

Very truly yours,

J. J. KREBS & SONS, INC. -
PEPPER & ASSOCIATES, INC.



Reda Youssef, P.E.
Project Engineer

RY/dm
Enclosures

5: 6/5

June 15, 1988

Real Estate Division
Purchase Section

Mr. John L. Lauricella, Jr.
President, Board of Levee Commissioners
East Jefferson Levee District
203 Plauche Court
Harahan, Louisiana 70123

Dear Mr. Lauricella:

Our letter of April 15, 1988 and June 2, 1988, advised that we proposed to construct Lake Pontchartrain, Louisiana and Vicinity High Level Plan, Jefferson Parish Lakefront Levee, First Lift, Jefferson Parish, Louisiana. The required right-of-way extends between baseline station -0+30 to 115+70 and will consist of construction within existing levee rights-of-way and a temporary construction easement, as indicated on our previously furnished map, file number H-8-30381, drawings 1 and 2 of 2, dated March 1988.

Ingress and egress were requested over property owned by Jefferson Downs and Loyola University. During telephone conversation on June 8, 1988 between your Board's attorney, Mr. T. Robert Lacour, and our Ms. Marie Withmeyer, Mr. Lacour advised us that Jefferson Downs will sign the access easement only if they are allowed to cancel the easement with a 30-day written notice.

As you are aware our contractor must be granted right of entry for the entire term of the contract. Under the terms of the Local Cooperation Agreement the Levee District is responsible for providing the necessary access and for holding and saving the United States harmless from damages due to the construction work. (See items (a) and (c) of the Supplemental Agreement dated January 16, 1987). The right of entry provided by Jefferson Downs with a 30-day cancellation clause will be acceptable to the United States with the understanding that if the access easement is cancelled prior to the completion of the construction the Levee District will be responsible for (1) providing an acceptable alternative access easement; (2) paying for any and all cost associated with the contractor having to alter his access route; and (3) paying for any and all downtime associated with the change of access routes. Also, Mr. Lacour advised us that after a May 26, 1988 meeting Loyola University has decided not to allow access through their property, but we understand that access may be available via adjacent property owned by the Archdiocese of New Orleans.

It is requested that you evaluate these alternatives and pursue obtaining access and provide right of entry at the earliest possible date in support of our schedule to advertise this project before June 30, 1988.

Your timely cooperation in this matter is appreciated and will enable us to maintain our construction schedule.

Sincerely,

Thad J. Brown
Chief, Real Estate Division

Copies Furnished:

Mr. Curtis Patterson
Assistant Chief Engineer, Water Resources
OPW

Mr. John Evanco
District Administrator
ATTN: Ms. Geneva P. Grille
District Design, Water Resources and
Development Engineer
Department of Transportation and Development
7252 Lakeshore Drive
New Orleans, Louisiana 70124

Mr. T. Robert Lacour
Attorney-at-Law
3220 Williams Boulevard
Kenner, Louisiana 70065-4594

CELMV, ATTN: CELMV-RE-A

CELMN-ED-DL

CELMN-ED-PF

✓CELMN-ED-SP

CELMN-ED-SS

CELMN-CD

CELMN-CT

CELMN-NO

CELMN-RE-AC

CELMN-RE-P

June 2, 1988

Real Estate Division
Purchase Section

Mr. John L. Lauricella, Jr.
President, Board of Levee Commissioners
East Jefferson Levee District
203 Plauche Court
Harahan, Louisiana 70123

Dear Mr. Lauricella:

Our letter of April 15, 1988 advised that we proposed to construct Lake Pontchartrain, Louisiana and Vicinity High Level Plan, Jefferson Parish Lakefront Levee, First Lift, Jefferson Parish, Louisiana. The required right-of-way extends between baseline station -0+30 to 115+70 and will consist of construction within existing levee rights-of-way and a temporary construction easement, as indicated on our previously furnished map, file number H-8-30381, drawings 1 and 2 of 2, dated March 1988.

Our letter requested access to the west return levee by way of Vintage Drive. However, instead of access by Vintage Drive, access by way of West Esplanade Avenue then extending along the existing shell road within the levee right-of-way to the lakefront levee is requested as indicated on the enclosed map, file number H-8-30381, drawing 1 of 2, revised May 1988.

All other aspects of our April 15, 1988 letter remain unchanged.

Your timely cooperation in granting this right of entry to a clear and unobstructed right-of-way for construction in order to meet our June 1988 advertisement is appreciated and will enable us to maintain our construction schedule. If you have any questions or if we can be of any assistance, please do not hesitate to call our Mrs. Marie Withmeyer at 862-1981.

Sincerely,

Thad J. Brown
Chief, Real Estate Division

Enclosure (quad)

(Please see page 2 for copies furnished)

Copies Furnished:

Mr. Curtis Patterson with enclosure
Assistant Chief Engineer, Water Resources
OPW

Mr. John Evanco with enclosure (dupe)
District Administrator
ATTN: Ms. Geneva P. Grille
District Design, Water Resources and
Development Engineer
Department of Transportation and Development
7252 Lakeshore Drive
New Orleans, Louisiana 70124

CELMV, ATTN: CELMV-RE-A without enclosure

CELMN-ED-DL without enclosure
✓CELMN-ED-SP without enclosure
CELMN-ED-SS without enclosure
CELMN-CD without enclosure
CELMN-NO with enclosure
CELMN-RE-AC without enclosure
CELMN-RE-P without enclosure

June 1, 1988

Real Estate Division
Purchase Section

Mr. John L. Lauricella, Jr.
President, Board of Levee Commissioners
East Jefferson Levee District
203 Plauche Court
Harahan, Louisiana 70123

Dear Mr. Lauricella:

We propose to perform surveys in connection with the Lake Pontchartrain and Vicinity Hurricane Protection High Level Plan, Jefferson Parish Lakefront Levee, baseline station 221+45 to 343+50, First Lift, Jefferson Parish, Louisiana, as shown on our enclosed map, file number H-8-30407, drawings 2 and 3 of 13, dated May 1988.

The surveys will consist of cross section surveys. Clearing and use of the land will be held to a minimum required for execution of the work. No roads, fences, building, or improvements within the area will be disturbed.

Equipment to be used will consist of standard land survey instruments, and two- or four-wheel drive vehicles, as required.

Ingress and egress will be via city, parish and State roadways, as available.

It is requested that you grant to the United States of America right of entry to conduct surveys, along with ingress and egress, as soon as possible, in order that we can maintain our work schedule.

If any additional information or assistance is needed, please feel free to contact our Ms. Marie Withmeyer at 862-1981.

Sincerely,

Thad J. Brown
Chief, Real Estate Division

Enclosure (quad)

(Please see page 2 for copies furnished)

Copies Furnished:

Mr. Curtis Patterson with enclosure
Assistant Chief Engineer, Water Resources
OPW

Mr. John Evanco with enclosure (dupe)
District Administrator
ATTN: Ms. Geneva P. Grille
District Design, Water Resources
and Development Engineer
Department of Transportation and Development
7252 Lakeshore Drive
New Orleans, Louisiana 70124

CELMV, ATTN: CELMV-RE-A without enclosure

~~CELMN-ED-DL~~ without enclosure
✓ ~~CELMN-ED-SP~~ without enclosure
~~CELMN-ED-SS~~ without enclosure
~~CELMN-ED-CD~~ without enclosure
~~CELMN-ED-SD~~ without enclosure
CELMN-NO with enclosure
CELMN-RE-P without enclosure
CELMN-RE-AC without enclosure

Copies Furnished: (continued)

Mr. John Evanco
District Administrator
ATTN: Ms. Geneva P. Grille
District Design, Water Resources and
Development Engineer
Department of Transportation and Development
7252 Lakeshore Drive
New Orleans, Louisiana 70124

CELMV, ATTN: CELMV-RE-A

✓ CELMN-ED-SS
✓ CELMN-ED-SP
CELMN-NO
CELMN-RE-P

May 25, 1988

Real Estate Division
Purchase Section

Mr. John L. Lauricella, Jr.
President, East Jefferson Levee
District
203 Flauche Court
Harahan, Louisiana 70123

Dear Mr. Lauricella:

On March 24, 1988, your Mr. Frank Rensudin granted our Engineering Division's Mr. Vann Stutts, verbal right of entry to conduct soil borings at stations 266+50, 314+75, and 284+10 of the Lake Pontchartrain and Vicinity, Jefferson Lakefront Levee, Jefferson Parish, Louisiana.

Our letter dated April 11, 1988, requested written confirmation of this right of entry. As of this date, we have not received confirmation. Please inform us as to the status of our request at your earliest convenience. Should you have any questions, or if we may be of any assistance, please contact our Mrs. Marie L. Withmeyer at 862-1981.

Your rapid response and cooperation in providing confirmation of this right of entry are appreciated.

Sincerely,

Thad J. Brown
Chief, Real Estate Division

Copies Furnished:

Mr. Curtis Patterson
Assistant Chief Engineer, Water Resources
OPW

(Please see page 2 for additional copies furnished)

WEST RETURN LEVEE - ITEM A

17 TH. STREET CANAL LEVEE - ITEM C

SCALE: 1" = 2,000'

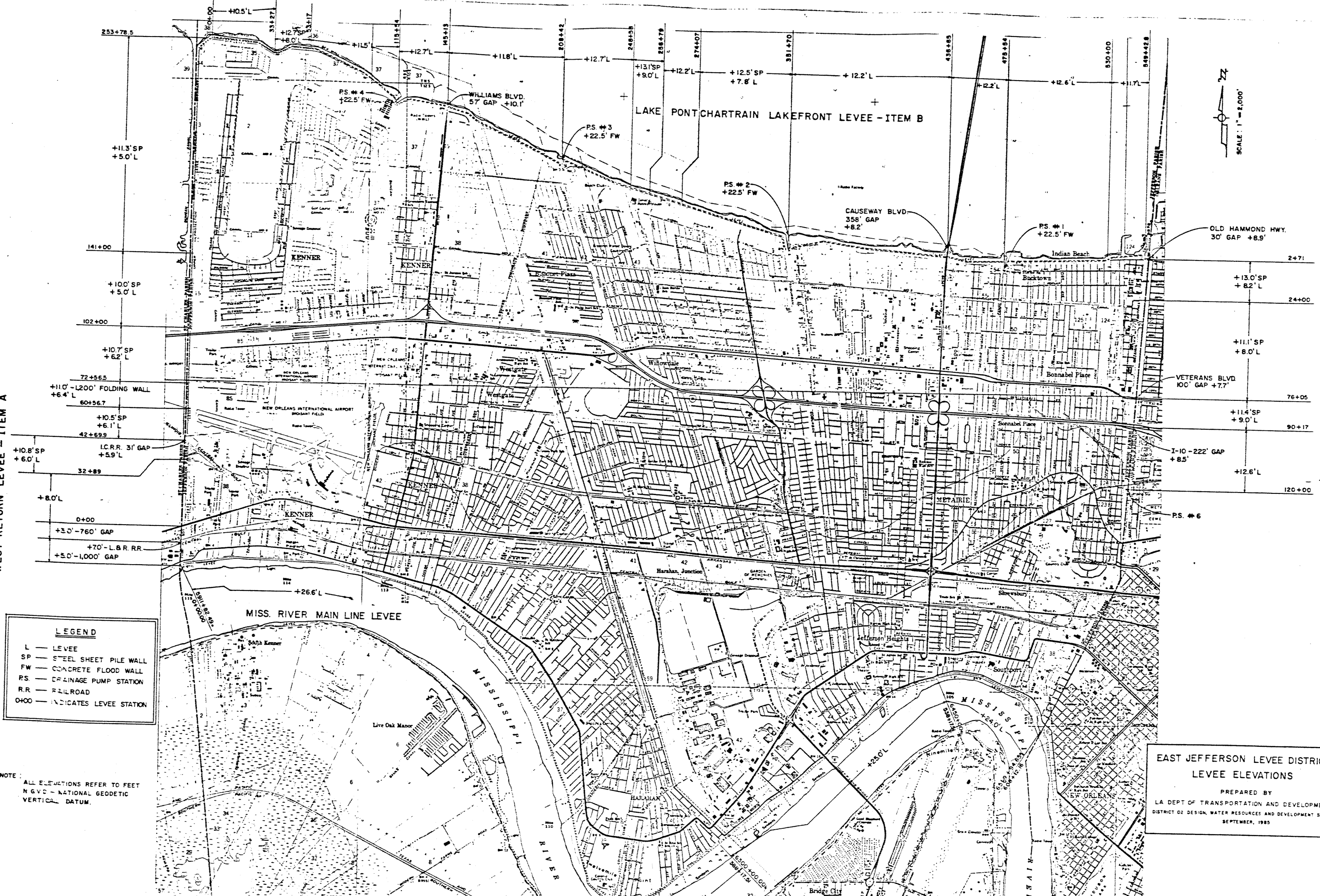
LEGEND

- L — LEVEE
- SP — STEEL SHEET PILE WALL
- FW — CONCRETE FLOOD WALL
- RS — DRAINAGE PUMP STATION
- R.R. — RAILROAD
- 0+00 — INDICATES LEVEE STATION

NOTE: ALL ELEVATIONS REFER TO FEET N.G.V.D. - NATIONAL GEODETIC VERTICAL DATUM.

**EAST JEFFERSON LEVEE DISTRICT
LEVEE ELEVATIONS**

PREPARED BY
LA DEPT OF TRANSPORTATION AND DEVELOPMENT
DISTRICT 02 DESIGN, WATER RESOURCES AND DEVELOPMENT SECTION
SEPTEMBER, 1985



ROUTING SLIP (AR 340-15)		NEVER USE FOR APPROVALS DISAPPROVALS, CONCURRENCES OR SIMILAR ACTIONS	
TO		INITIALS	DATE
1 Harrington, S		<i>[Signature]</i>	
Grate, SA			
Amedee, SD			
2 Barton, SP			
Gagliano, SR			
Manson, SE			
Roman, SS			
SUSPENSE NO <i>5897</i>			
NO RESPONSE REQUIRED			
RESPONSE IS DUE			
CHECK ACTION DESIRED			
INFOR- MATION	SIGNA- TURE	NOTE AND RETURN	
CIR- CULATE	NECES- SARY ACTION	SEE ME	
FROM		TELEPHONE	DATE
ORGANIZATION			

DISPOSITION FORM

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

REFERENCE OR OFFICE SYMBOL

CELMN-ED-SP (1110-2-1150a)

SUBJECT

Lake Pontchartrain, La. & Vic High Level Plan Jefferson Parish
Lakefront Levee At Grade Improvements N. Causeway Blvd. Final
Plans - Pepper & Ass Inc.

TO C/Des Br

FROM C/Des Svcs Br

DATE 4 Jun 87

CMT 1

Mr. Stutts/pas/2614

1. Reference is made to the enclosed 27 May 87 letter from Pepper & Ass. Inc which transmitted plans for the subject improvements at Causeway Blvd. (Plans hand carried by Mr. Stutts to Mr. Romero 3 June 87).
2. It is requested that your office review these plans relative to their influence on the proposed hurricane protection plans at the Causeway Blvd Toll Plaza area.
3. Please provide your comments to this office ASAP but NLT 19 June 1987.
4. Should you have any questions concerning this request, please contact Mr. Stutts ext. 2614.

Encl


THOMAS E. HARRINGTON, JR.
Chief, Design Services Branch

CELMN-ED-DD

TO C/Des Svcs Br

FROM C/Des Br


DATE 19 Jun 87

CMT 2

Mr. Romero/dn/2645

As requested, we reviewed the preliminary plans for the proposed improvements to the Causeway Blvd. in the vicinity of the Toll Plaza. Our comments are as follows:

- a. The proposed roadway improvements do not significantly affect the floodwall and roadway gate GDM designs already completed for this crossing.
- b. Since the subject proposed roadway improvement plans are preliminary and have not yet been approved by the Causeway Commission, it is recommended that the GDM presentation of the floodwall reflect the existing conditions in this area. Any Revisions to the floodwall design will be made during the preparation of P&S. At that time, we will coordinate our design with the consultants for the Causeway Commission.


WALTER D. JUDLIN, III
Chief, Design Branch

DISPOSITION FORM

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

REFERENCE OR OFFICE SYMBOL

CELMN-ED-SP (1110-2-1150a)

SUBJECT

Lake Pontchartrain, La. & Vic High Level Plan Jefferson Parish
Lakefront Levee At Grade Improvements N. Causeway Blvd. Final
Plans - Pepper & Ass Inc.

TO C/Des Br

FROM C/Des Svcs Br

DATE 4 Jun 87
Mr. Stutts/pas/2614

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3. Please provide your comments to this office ASAP but NLT 19 June 1987.
4. Should you have any questions concerning this request, please contact Mr. Stutts ext. 2614.

Encl


THOMAS E. HARRINGTON, JR.
Chief, Design Services Branch

CELMN-ED-DD

TO C/Des Svcs Br

FROM C/Des Br

DATE 19 Jun 87
Mr. Romero/dn/2645

CMT 2

As requested, we reviewed the preliminary plans for the proposed improvements to the Causeway Blvd. in the vicinity of the Toll Plaza. Our comments are as follows:

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b. Since the subject proposed roadway improvement plans are preliminary and have not yet been approved by the Causeway Commission, it is recommended that the GDM presentation of the floodwall reflect the existing conditions in this area. Any Revisions to the floodwall design will be made during the preparation of P&S. At that time, we will coordinate our design with the consultants for the Causeway Commission.

WALTER D. JUDLIN, III
Chief, Design Branch

CELMN-ED-SP (1110-2-1150a)

Lake Pontchartrain, Louisiana & Vicinity Hurricane Protection
Project Jefferson Parish Flood Evaluation 1985 Survey Levels

C/H&H Br

C/Des Svcs Br

1 Jul 87

Mr. Stutts/pas/2614

1. References:

- a. DF, CELMN-ED-SP, 19 Jun 87, subject as above.
- b. CMT 2, CELMN-ED-HH, 24 Jun 87, subject as above.

2. You are requested to undertake the subject flood evaluation ASAP. Mr. Chatry has provided an interim response to Mrs. Grille's letter indicating that the flood evaluation would be provided to her on or about the first of September 1987. In order to meet this schedule it will be necessary to employ CERC's IBM-PC program. It is my understanding that the current version of this program that you are working with may present some developmental or operational problems to the unseasoned user. If this is the case, then it may be necessary to have a member of CERC's staff come to New Orleans to help your staff become familiar with any program idiosyncrasies. In any case we would want to minimize any delays that may result from program verification.

3. Please advise me if you wish my office to help in arranging any of the coordination, technical or otherwise, with CERC.

Encl

CF:MR. HANSON

THOMAS E. HARRINGTON, JR.
Chief, Design Services Branch

STUTTS
CELMN-ED-SP
BARTON
CELMN-ED-SP
HARRINGTON
CELMN-ED-S

ROUTING SLIP
(AR 340-15)

**NEVER USE FOR APPROVALS
DISAPPROVALS, CONCURRENCES
OR SIMILAR ACTIONS**

TO	INITIALS	DATE
1 Harrington, S	<i>JA</i>	
Grate, SA		
Amedee, SD		
2 Barton, SP		
Gagliano, SR		
Manson, SE		
Roman, SS		
SUSPENSE NO. <i>S-909</i>		
NO RESPONSE REQUIRED		<i>NR</i>
RESPONSE IS DUE		

CHECK ACTION DESIRED

<input type="checkbox"/> INFORMATION	<input type="checkbox"/> SIGNATURE	<input type="checkbox"/> NOTE AND RETURN
<input type="checkbox"/> CIRCULATE	<input type="checkbox"/> NECESSARY ACTION	<input type="checkbox"/> SEE ME
FROM	TELEPHONE	DATE
ORGANIZATION		

DISPOSITION FORM

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

REFERENCE OR OFFICE SYMBOL

CELMN-ED-SP (1110-2-1150a)

SUBJECT

Lake Pontchartrain, Louisiana & Vicinity Hurricane Protection Project Jefferson Parish Flood Evaluation 1985 Survey Levels

TO C/H&H Br

FROM C/Des Svcs Br

DATE 19 Jun 87

CMT 1

Mr. Stutts/pas/2614

1. Enclosed, please find a copy of a June 18, 1987 letter from La DOTD which request a reanalysis of interior flooding using the most recent survey that have been adjusted to the latest NGVD

2. You are requested to provide this office with a time and cost estimate to accomplish this request. Since the purpose of developing this information is to aid the East Jefferson Levee District in their efforts to secure funding for the High Level plan project, this request is considered to be a high priority work item. It is my understanding that the Levee District wishes to place before the Jeff Parish voters a Levee Bond Issue in Oct 1987. Therefore the requested flood evaluation should be developed ASAP.

3. Your time and costs estimates should be provided to this office ASAP but NLT 23 June 1987.

Encl
(profiles hand-carried
to you by Mr. Stutts)

for George R. Hutton
THOMAS E. HARRINGTON, JR.
Chief, Design Services Branch

CELMN-ED-HC

TO C/Des Svcs Br

FROM C/H&H Br

DATE 24 Jun 87

CMT 2

Ms. Hote/beb/2489

gmh

To prepare a response to the enclosed letter requesting interior flood levels during a 100-yr and SPH hurricane will require extensive runup and overtopping calculations. If computed using our existing technology, these calculations will require 8 man-months and approximately \$50,000 to complete. Interior stages would be available by 30 Sep 87. If we can make use of the new technology using the IBM PC programs developed by CERC, the calculations can possibly be completed in approximately 2 man-months at a cost of \$12,500. Under this scenario the interior stages would be available by 31 Aug 87. If computer program results can be verified using earlier overtopping computations, we expect to provide a response by 31 Aug at the \$12,500 cost given above.

Encl w/d

Soileau
CECIL W. SOILEAU
Chief, Hydraulics & Hydrologic Branch

CELMN-ED-SP (1110-2-1150a)

Lake Pontchartrain, Louisiana & Vicinity Hurricane Protection
Project - Jefferson Parish Flood Evaluation 1985 Survey Levels

C/H&H Br

C/Des Svcs Br

28 Jul 87

Mr. Stutts/pas/2614

1. Reference my DF dated 1 Jul 87, requesting that your office initiate the subject flood evaluation ASAP.
2. Please advise me on the status of your studies. As I mentioned in my DF, this work should be considered a high priority work item.

THOMAS E. HARRINGTON, JR.
Chief, Design Services Branch

all
CELMN-ED-SP
EB
BARTON
CELMN-ED-SP
4-28
HARRINGTON
CELMN-ED-S

CELMN-ED-SP (1110-2-1150a)

Lake Pontchartrain, Louisiana & Vicinity Hurricane Protection
Project Jefferson Parish Flood Evaluation 1985 Survey Levels

C/H&H Br

C/Des Svcs Br

19 Jun 87

Mr. Stutts/pas/2614

1. Enclosed, please find a copy of a June 18, 1987 letter from La DOTD which request a reanalysis of ~~interior~~ flooding using the most recent survey that have been adjusted to the latest NGVD
2. You are requested to provide this office with a time and cost estimate to accomplish this request. Since the purpose of developing this information is to aid the East Jefferson Levee District in their efforts to secure funding for the High Level plan project, this request is considered to be a high priority work item. It is my understanding that the Levee District wishes to place before the Jeff Parish voters a Levee Bond Issue in Oct 1987. Therefore the requested flood evaluation should be developed ASAP.
3. Your time and costs estimates should be provided to this office ASAP but NLT 23 June 1987.

Encl
(profiles hand-carried
to you by Mr. Stutts)

THOMAS E. HARRINGTON, JR.
Chief, Design Services Branch

MS
STUTTS
CELMN-ED-

43
BARTON
CELMN-ED-SP

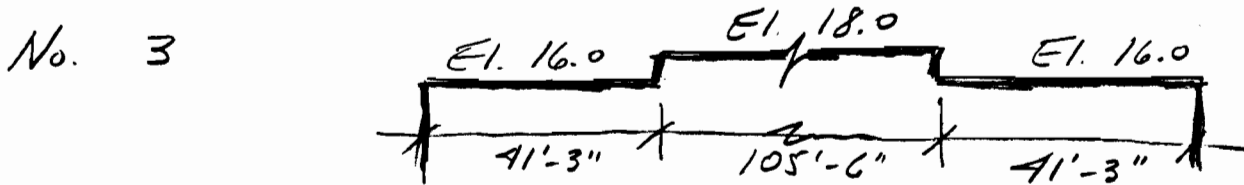
pas
HARRINGTON
CELMN-ED-S

TOP ELEV. - EXISTING FRONT END
PROTECTION FLOOD WALLS

JEFF. PARK LEFT PUMP STA.

No. 2 Top Elev. 14.5 NAVD

No. 1 " " 22.57 "



No. 4 Top Elev. 22.57 NAVD

Furnished to H&H for 8/14/87
Response to Geneva Grills letter

[Signature]

ROUTING SLIP (AR 340-15)		NEVER USE FOR APPROVALS DISAPPROVALS, CONCURRENCES OR SIMILAR ACTIONS	
TO	INITIALS	DATE	
1 Harrington, S	[Signature]		
Grate, SA			
Amedee, SD			
2 Barton, SP			
Gagliano, SR			
Manson, SE			
Roman, SS			
SUSPENSE NO. 5-899			
NO RESPONSE REQUIRED			
RESPONSE IS DUE			
CHECK ACTION DESIRED			
INFOR- MATION	SIGNA- TURE	NOTE AND RETURN	
CIR- CULATE	NECES- SARY ACTION	SEE ME	
FROM		TELEPHONE	DATE
ORGANIZATION			

DISPOSITION FORM

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

REFERENCE OR OFFICE SYMBOL	SUBJECT
CELMN-ED-HC	Lake Pontchartrain LA & Vic High Level Plan, Jefferson Parish Lakefront

TO C/Des Svcs Br FROM C/H&H Br DATE 19 Jun 87 CMT 1
Ms. Hote/beb/2489
JMH

As requested in a conversation between Mr. Chiu and Mr. Richardson of F&M Branch and Ms. Hote of H&H Branch, the enclosed cross-section can be used as an alternative design cross-section for the Jefferson Parish Lakefront Levee. Note that this section is approximately equivalent to sections provided in our LMNED-HC DF dated 20 Sep 85.

Encl

Soileau
CECIL W. SOILEAU
Chief, Hydraulics & Hydrologic Branch



CELMN-ED-HC

Lake Pontchartrain LA & Vic High Level Plan, Jefferson Parish
Lakefront

C/Des Svcs Br

C/H&H Br

19 Jun 87
Ms. Hote/beb/2489

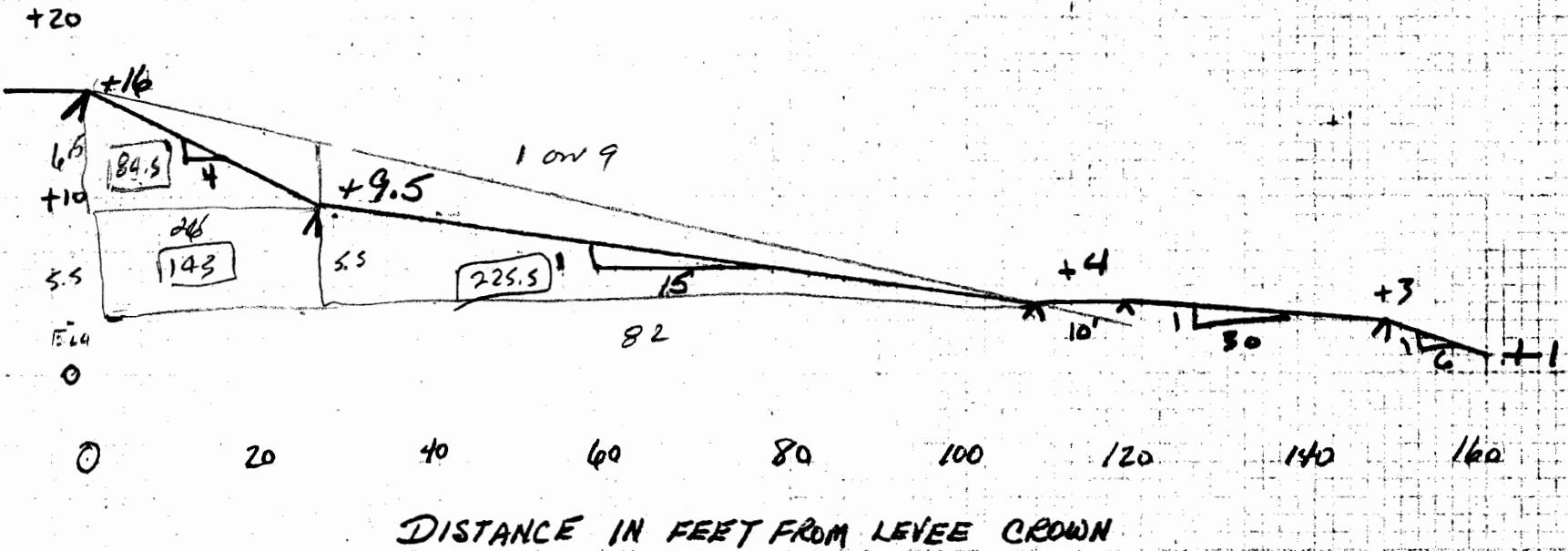
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Encl

CECIL W. SOILEAU
Chief, Hydraulics & Hydrologic Branch

PROJECT Lake Pontchartré	PAGE OF	COMPUTED BY GPH	DATE 17 Dec 87
SUBJECT Jefferson Parish Lakefront		CHECKED BY	DATE

ELEVATION IN FEET N.G.V.D.



648

DISPOSITION FORM

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

REFERENCE OR OFFICE SYMBOL	SUBJECT
CELMN-ED-HC	Lake Pontchartrain LA & Vic High Level Plan, Jefferson Parish Lakefront

TO C/Des Svcs Br FROM C/H&H Br DATE 19 Jun 87 CMT 1
Ms. Hote/beb/2489

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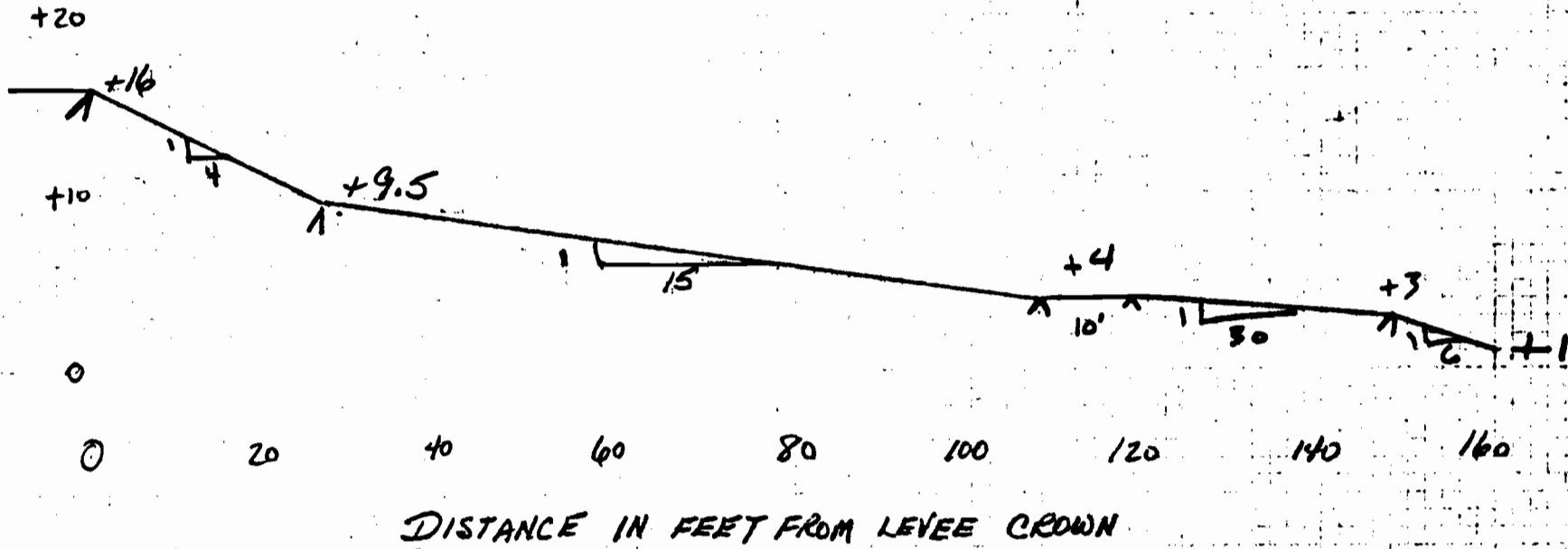
Encl


CECIL W. SOILEAU
Chief, Hydraulics & Hydrologic Branch



PROJECT Lake Pontchartré VIC	PAGE OF	COMPUTED BY JPH	DATE 13 Jun 87
SUBJECT Jefferson Parish Lakefront	CHECKED BY		DATE

ELEVATION IN FEET N.G.V.D.



Memo to file

C.F. Mr Judlin
6/16/87

10+2
16 Jun 87

On about 12 June Mr. Judlin and I met with Mr. Chatry to brief him about the West Bank hurricane conversations with Col. Dent.

During that conversation Mr. Chatry stated that the Jefferson Lakefront Levee should be

Col Dent had two questions for from Genevaville DOTD through Col Brown. One dealt with the ~~surveys being~~ need for a flood plain map for 100 year ESPH for East Jefferson. Jefferson Parish is obtaining new survey data in conjunction with the Geo Cadastre (Mr Chatry said let Geneva get data from Ross Ketchum of Jeff Ph).

As part of that conversation Mr. Chatry stated that Jefferson Parish Lakefront should be designed to the 85 leveling. I did not know what epoch was used so I sat quietly. Apparently the design has been done to the 83 as the rest of the project. The datum change could change the design. He also mentioned future submergence. (Mr. Malone says 1 foot has been included).

Later I checked with Mr. ^{Paul} Gautreau

2 of 2
16 Jun 87

on the benchmarks that were used for the work. ~~Mr.~~ Mr. Gantuan said only one was used also but he was unsure whether it was also or also RM2. Pertinent data on those marks is as follows:

	<u>also</u>	<u>also RM2</u>
64 epoch	7.375	7.211
<u>85 epoch</u>	<u>6.955</u>	<u>6.673</u>
21 year	0.420	0.538

The question is what do we need to do if ~~the~~ we use 85 epoch.

1. Inform Mr. Chaty
2. Revise the designs

Mr. Dutton says that Jeff's Return from the lake to the airport is currently being printed. Do we want to hold and redesign?

Mr. Gantuan says none of the 85 data has been submitted to NGS for acceptance or adjustment.

Tom Harney

ROUTING SLIP <small>(AR 340-15)</small>		<small>NEVER USE FOR APPROVALS DISAPPROVALS, CONCURRENCES OR SIMILAR ACTIONS</small>	
TO	INITIALS	DATE	
① Harrington, S	SA	14	
Tickner, SA			
Amedee, SD			
② Barton, SP			
Gagliano, SR			
Manson, SE			
Roman, SS			
SUSPENSE NO. <u>S-327</u>			
NO RESPONSE REQUIRED ✓			
<i>Let's talk</i>			
CHECK ACTION DESIRED			
<input type="checkbox"/> INFOR- MATION	<input type="checkbox"/> SIGNA- TURE	<input type="checkbox"/> NOTE AND RETURN	
<input type="checkbox"/> CIR- CULATE	<input type="checkbox"/> NECES- SARY ACTION	<input type="checkbox"/> SEE ME	
FROM		TELEPHONE	DATE
ORGANIZATION			

DISPOSITION FORM

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

REFERENCE OR OFFICE SYMBOL

LMNED-DD

SUBJECT

Status of Designs for: Lake Pont LA & Vic Hurricane Prot Proj,
HLP, Jefferson Parish Lakefront Levee GDM

TO C/Des Svcs Br

FROM C/Des Br

DATE 13 Nov 86
Mr. Romero /2645

CMT 1

JRM

1. Reference is made to your DF of 7 Nov 86 requesting the status of our design input for the subject GDM.

2. Completion of our design work for the subject GDM will be delayed until Dec 86 for the following reasons.

a. On 26 Jun 86 we met with Messrs. Barton, Stutts and Elmer of your office and with representatives of H&H Br and F&M Br. During this meeting we stated that all input from H&H and F&M branches must be provided to this office NLT 29 Aug 86 in order for this office to complete our designs by the scheduled date of 31 Oct 86. All parties agreed to this requirement and the bar chart schedule you enclosed with your DF was revised by your office to reflect that agreement. However, input data from H&H and F&M branches was provided to this office during September and was still being provided to us as late as 24 Oct by H&H Br and 6 Nov by F&M Br. The input data was provided and coordinated through your office, therefore, your design coordinators must have been fully aware of these delays.

b. As you are aware, the design section for the levee along the Kenner area provided to us by H&H and F&M branches resulted in a cost increase of approximately \$30,000,000 to the cost estimates we previously presented to the Chief of Engineering Division. In addition, the constructibility of this levee section is questionable. The increase in the cost for the all earthen levee resulted in the I-wall on levee alternative being the most economical design. We are at this time evaluating a redesign of the levee, utilizing a higher design grade than that of the previous section. Our offices must discuss this redesign, as well as all the other alternatives to select our recommended design prior to presenting this work to the Chief of Engineering Division. It should be noted that, should the I-wall on levee alternative becomes the recommended design, our schedule for this work ~~will~~ have to be revised in its entirety.

3. Because the input ^{from} ~~from~~ this office is one of the last in the schedule for preparing GDMs, the timely input from other branches is vital for completing our work and, therefore, the GDM work within a given schedule. For this reason, the schedules of the other branches should be closely monitored by your office to insure their milestones are completed on time, not only those of this office, which ~~is obviously the~~ ^{appears to be the} monitoring method employed by your office. When we provide you with time estimates for completion of our work, we assume that the input we require from other offices is provided to us in a timely manner. Adjustments must be made to our schedules in the event the other offices are late with their work. As we indicated above, the input we required from H&H and F&M branches for the subject GDM was provided to us very late in the schedule, however, our schedule has not been adjusted by your office.

4. Our review of the schedule for the subject GDM indicates that there is sufficient time left after Dec 86 to minimize the delay of the scheduled submittal to LMVD, which is the critical date.

WJD
WALTER D. JUDLIN, III
Chief, Design Branch *WJD*

DISPOSITION FORM

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

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LMNED-DD

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WALTER D. JUDLIN, III
Chief, Design Branch

DISPOSITION FORM

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

REFERENCE OR OFFICE SYMBOL

LMNED-HC

SUBJECT

Lake Pontchartrain & Vic - High Level Plan
Jefferson Parish Lakefront

TO C/Des Svcs Br

FROM C/H&H Br

DATE 7 Nov 86

CMT 1

Mr. Eugene/beb/1748
rae

1. Enclosed are three cross-sections to be used along the Jefferson Parish lakefront. These can be used in selecting the most economical one for the westernmost reach.

2. If there are any questions, please contact Janis Hote, X2489.

Encl



CECIL W. SOILEAU
Chief, Hydraulics & Hydrologic Branch



HANDCARRIED TO F&M BY H&H.

LMNED-HC

Lake Pontchartrain & Vic - High Level Plan
Jefferson Parish Lakefront

C/Des Svcs Br

C/H&H Br

7 Nov 86
Mr. Eugene/beb/1748

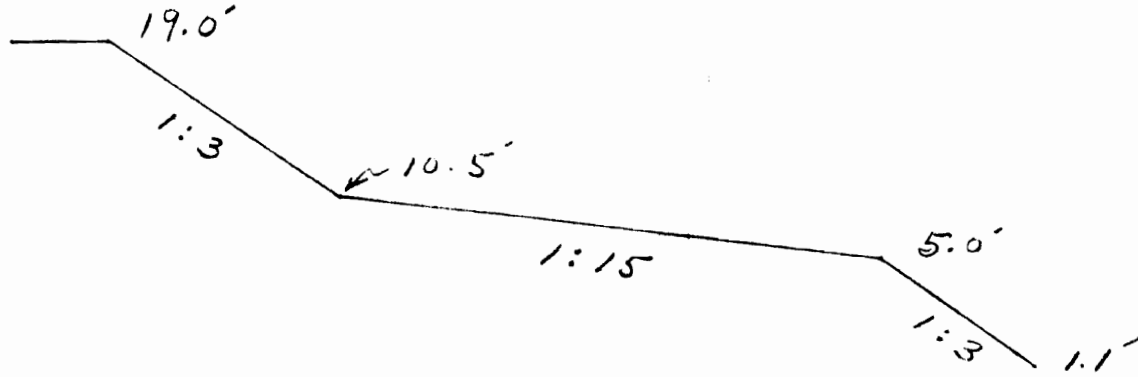
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CECIL W. SOILEAU
Chief, Hydraulics & Hydrologic Branch

COMPUTATION SHEET

PROJECT	PAGE	OF	COMPUTED BY	DATE
SUBJECT			RAE	11/1/82
			CHECKED BY	DATE
			JMW	

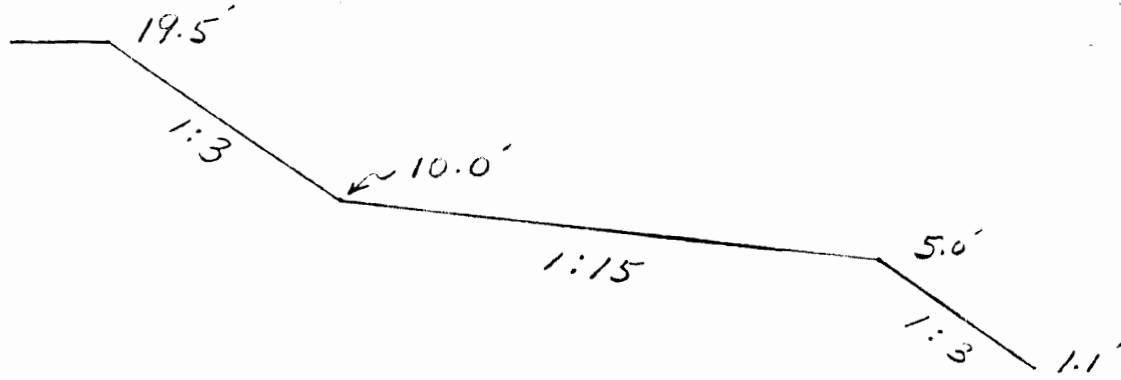


NOT TO SCALE

LAKE Pontchartrain & vicinity
HIGH LEVEL PLAN
JEFFERSON PARISH LAKEFRONT
11-1-82

COMPUTATION SHEET

PROJECT	PAGE	OF	COMPUTED BY RAE	DATE 11/4/84
SUBJECT			CHECKED BY JMH	DATE



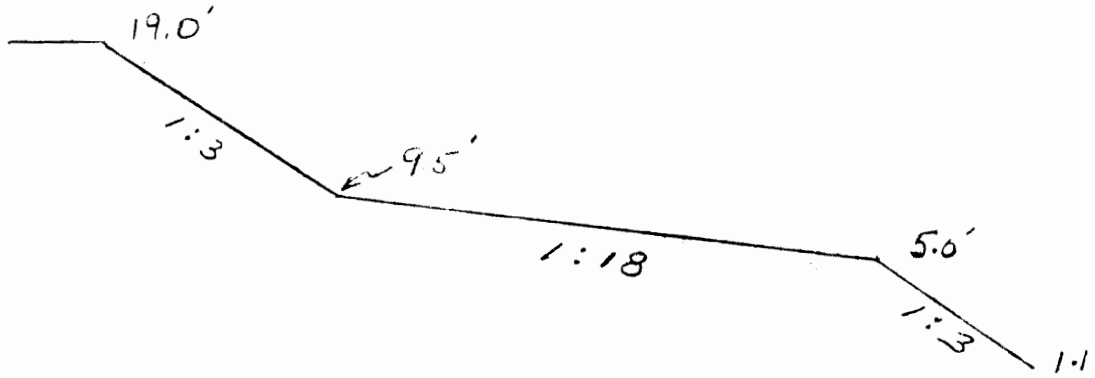
NOT TO SCALE

LAKE PONTCHARTRAIN & VICINITY
HIGH LEVEL PLAN
JEFFERSON PARISH LAKEFRONT

NOV 86

COMPUTATION SHEET

PROJECT	PAGE	OF	COMPUTED BY	DATE
SUBJECT			CHECKED BY	DATE
			RAE	11/18/86
			JMH	



NOT TO SCALE

LAKE PONTCHARTRAIN & VICINITY
HIGH LEVEL PLAN
JEFFERSON PARISH LAKEFRONT

NOV 86

DISPOSITION FORM

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

REFERENCE OR OFFICE SYMBOL
LMNED-HC

SUBJECT
Lake Pontchartrain LA & Vic Hurricane Protection
Project Jefferson Parish Lakefront High Level Plan
Levee, Old Pump Station No. 4

TO
C/Des Svcs Br

FROM
C/H&H Br

DATE
7 Nov 86
Ms. Hote/beb/2489


CMT 1

1. Reference LMNED-HC DF dated 9 Oct 86, subject as above, giving wave forces on the cofferdam and floodwall and the height of the floodwall at this site. After several discussions with Des Br concerning structural problems resulting from the design of the floodwall to prevent overtopping by waves, we have reanalyzed the wall height using wave transmission criteria, which lowered the wall height and wave forces on the wall.

2. Maximum direct wave force on the cofferdam is shown on encl 1; this case assumes no water behind the wall. Enclosure 2 illustrates the maximum direct wave force on the floodwall. The worst reverse lead condition on the cofferdam would occur when the minimum design stage of -5 feet NGVD in Lake Pontchartrain occurred with water trapped between the cofferdam and the floodwall; there are no wave forces for this case. Likewise the worst reverse load on the floodwall would occur when water was trapped on the protected side of the floodwall and the space between the lakeside of the cofferdam and the floodwall was dry.

3. Lowering the floodwall to 17 feet using wave transmission criteria for the floodwall and cofferdam combination is not the standard application for this theory. Therefore, we assume that some waves will splash over the floodwall. Although no significant overtopping is anticipated, some means should be provided to drain the area on the protected side of the floodwall of this nuisance flooding. Drainage should also be provided on the lakeside of the floodwall, between the floodwall and the cofferdam, to prevent water from standing in this area for extended periods.

2 Encls


JSS CECIL W. SOILEAU
Chief, Hydraulics & Hydrologic Branch

A/2



LMNED-HC

Lake Pontchartrain LA & Vic Hurricane Protection
Project Jefferson Parish Lakefront High Level Plan
Levee, Old Pump Station No. 4

C/Des Svcs Br

C/H&H Br

7 Nov 86

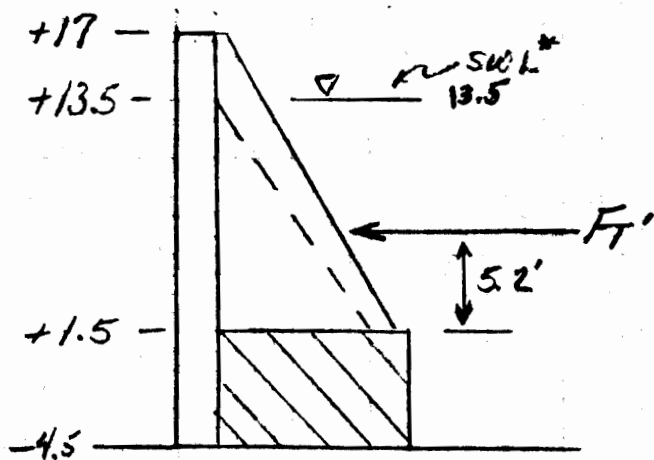
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2 Encls

CECIL W. SOILEAU
Chief, Hydraulics & Hydrologic Branch

PROJECT	JEFF FAR LAKEFRNT-H/L	PAGE	OF	COMPUTED BY	AMT	DATE	21 OCT 86
SUBJECT	FORCES ON 17 FT WALL - OLD PUMP STATION			CHECKED BY		DATE	



$$H_{10} = 3.2 \text{ (} H_{10} \text{ transmitted across cofferdam)}$$

$$d_s = 13.5 - 1.5 = 12$$

$$H/d = 3.2/12 = .27$$

$$H/9T^2 = 3.2/32.2 \times (7.2)^2 = .002$$

$$h_o/H = .5 \quad h_o = .5(3.2) = 1.6$$

* Water trapped between floodwall and cofferdam

FORCES ON FLOODWALL

$$y_c = d + h_o + H_i = 12 + 1.6 + 3.2 = 16.8 + 1.5 = 18.3 \text{ ft mgnd}$$

$$b/y = (7 - 1.5)/16.8 = .92 \quad r_s = .995 \quad r_m = .985$$

$$F_w/wd^2 = .3 \quad F_w = .3 wd^2$$

$$F_s/wd^2 = .5 \quad F_s = .5 wd^2$$

$$F_T = .8 wd^2 = .8 (64)(12)^2 = 7370 \text{ \#/ft}$$

$$M_w/wd^3 = .18 \quad M_w = .18 wd^3$$

$$M_s/wd^3 = .167 \quad M_s = .167 wd^3$$

$$M_T = .347 wd^3 = .347 (64)(12)^3 = 38375 \text{ ft\#/ft}$$

$$F_T' = r_s F_T = .995 (7370) = 7330 \text{ \#/ft}$$

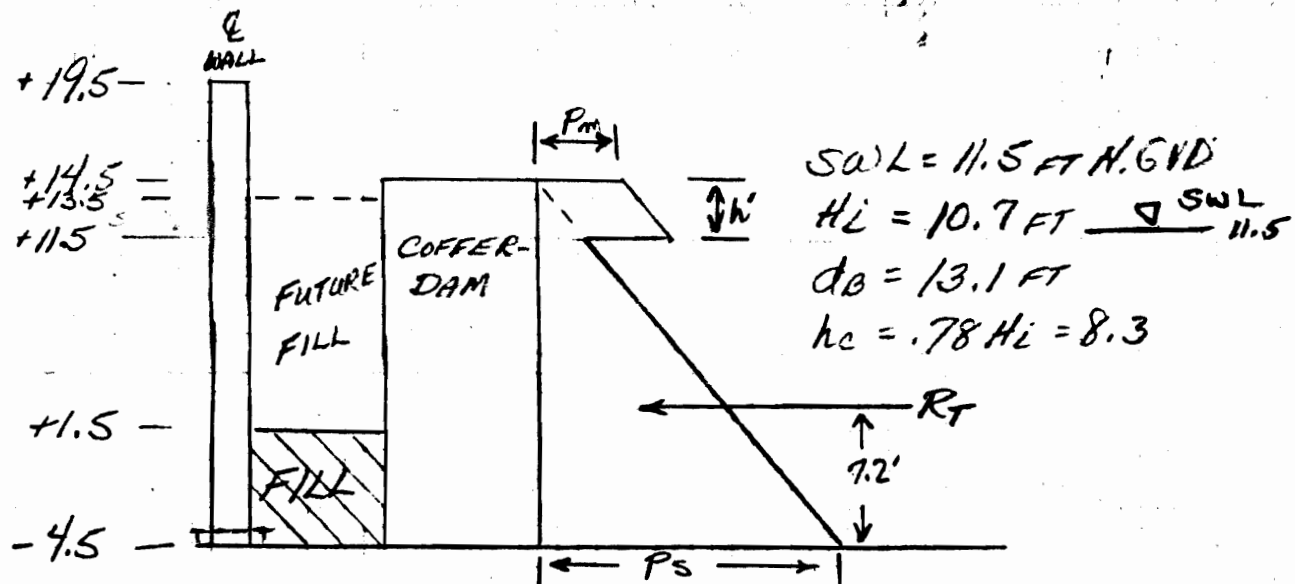
$$M_T' = r_m M_T = .985 (38375) = 37800 \text{ ft\#/ft}$$

$$F_{T'ELEV}' = \frac{M_T'}{F_T'} = \frac{37800}{7330} = 5.15 + 1.5 = 6.6 \text{ ft mgnd}$$

Encl 2

COMPUTATION SHEET

PROJECT	Jefferson Par. Hurr Prot-Highway	PAGE 1 OF 3	COMPUTED BY	JMH	DATE	16 Oct 86
SUBJECT	OLD pump sta # 4 - Wave Force		CHECKED BY		DATE	



FORCES ON COFFER DAM (BASE @ -4.5)

$$d_s = 11.5 - (-4.5) = 16.0$$

$$h' = 14.5 - 11.5 = 3.0$$

$$P_s = w(d_s + h_c) = 64(16 + 8.3) = 1555 \text{ \#/ft}^2$$

$$P_m = w d_b / 2 = 64(13.1) / 2 = 420 \text{ \#/ft}^2$$

$$R_s = P_s(d_s + h') / 2 = 1555(16 + 3) / 2 = 14770 \text{ \#/ft}$$

$$R_m = P_m h' = 420(3) = 1260 \text{ \#/ft}$$

$$R_T = R_s + R_m = 14770 + 1260 = 16030 \text{ \#/ft}$$

$$M_s = R_s(d_s + h') / 3 = 14770(16 + 3) / 3 = 93540 \text{ ft\#/ft}$$

$$M_m = R_m(d_s + h' / 2) = 1260(16 + 3 / 2) = 22050$$

$$M_T = M_s + M_m = 93540 + 22050 = 115590 \text{ ft\#/ft}$$

$$R_{T, \text{ELEV}} = M_T / R_T = 115590 / 16030 = 7.2 + (-4.5) = 2.7 \text{ FT. N.G.V.D.}$$

Encl 1

DISPOSITION FORM

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

REFERENCE OR OFFICE SYMBOL

LMNED-HC

SUBJECT

Lake Pontchartrain & Vic LA High Level Plan, Jefferson Parish
Lakefront

TO

C/Des Svcs Br

FROM

C/H&H Br

DATE

29 Aug 86

CMT 1

ref. Mr. Eugene/beb/1748

1. Reference several conversations between Mr. Chiu of F&M Branch and Ms. Hote of H&H Branch during which he requested additional force diagrams, supplementing those given in our DF of 16 Jul 86, for transition walls on a levee at elevation +10 ft NGVD. Enclosed is wave force data for the transition walls adjacent to the four pumping stations in Jefferson Parish. Encl 1 is copies of wave force calculations for a wall with a base elevation of 8.5 ft NGVD. Encl 2 is a table of wave force data for a wall with a base elevation of 9.5 ft NGVD.

2. Any questions should be directed to Janis Hote, X2489.

JPH
MAJCT

Soileau

CECIL W. SOILEAU

Chief, Hydraulics & Hydrologic Branch

Encls

INFO
GIVEN to
DESAI DES BR
CHIUI F&M BR
4/SEP 86
E

LMNED-HC

Lake Pontchartrain & Vic LA High Level Plan, Jefferson Parish
Lakefront

C/Des Svcs Br

C/H&H Br

29 Aug 86

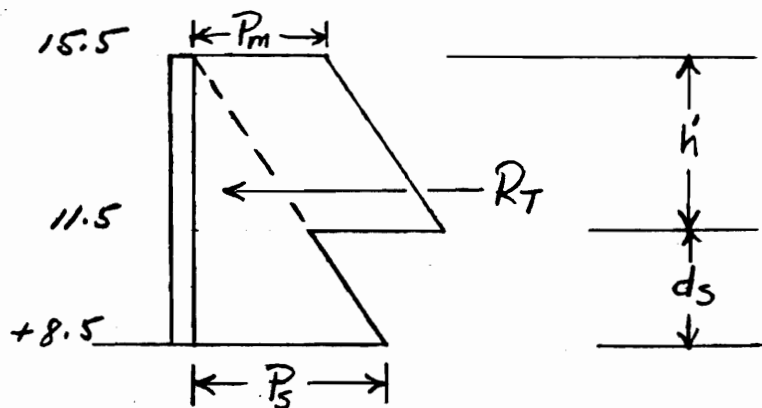
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Encls

CECIL W. SOILEAU
Chief, Hydraulics & Hydrologic Branch

PROJECT	JEFF. PARISH LAKEFRONT WAVE FORCE	PAGE	OF	COMPUTED BY	DATE
SUBJECT	TRANS. WALL @ PUMP STA. - WALL @ 15.5			R.G.E.	7/25/80
	WITH BASE @ 8.5			CHECKED BY	DATE



$$Swk = 11.5$$

$$H_i = 10.7$$

$$d_b = 13.1$$

$$h_c = .78(10.7) = 8.3$$

$$d_s = 11.5 - 8.5 = 3.0$$

$$h' = 15.5 - 11.5 = 4.0$$

$$P_s = w(d_s + h_c) = 64(3.0 + 8.3) = 723 \text{ \#/ft}$$

$$P_m = \frac{w d_b}{2} = \frac{64 \times 13.1}{2} = 419 \text{ \#/ft}^2$$

$$R_s = P_s \left(\frac{d_s + h'}{2} \right) = 723 \left(\frac{3.0 + 4.0}{2} \right) = 2530 \text{ \#/ft}$$

$$R_m = P_m h' = 419(4) = 1676 \text{ \#/ft}$$

$$R_T = R_s + R_m = 2530 + 1676 = 4206 \text{ \#/ft}$$

$$M_s = R_s \left(\frac{d_s + h'}{3} \right) = 2530 \left(\frac{3.0 + 4.0}{3} \right) = 5903 \text{ ft\#/ft}$$

$$M_m = R_m \left(d_s + \frac{h'}{2} \right) = 1676 \left(3.0 + \frac{4.0}{2} \right) = 8380 \text{ ft\#/ft}$$

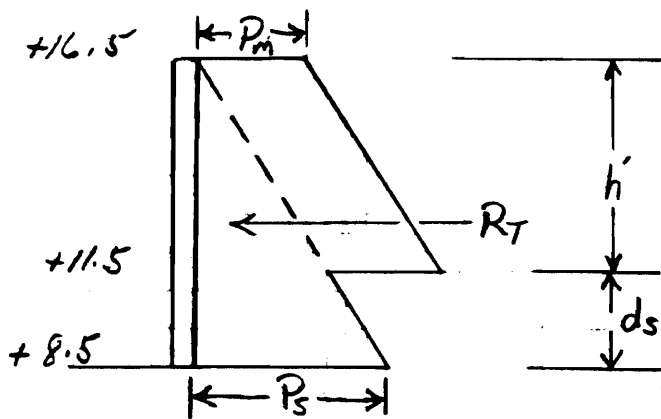
$$M_T = M_s + M_m = 5903 + 8380 = 14283 \text{ ft\#/ft}$$

$$X_{RT} = \frac{M_T}{R_T} = \frac{14283}{4206} = 3.4 \text{ ft}$$

$$R_T = 8.5 + 3.4 = 11.9 \text{ ft NGVD}$$

Encl #1

PROJECT	JEFF PARISH LAKEFRONT WAVE FORCE	PAGE OF	COMPUTED BY	DATE
SUBJECT	TRANS. WALL @ PUMP STA - WALLS @ 16.5		R.G.F.	8/25/86
	WITH BASE @ 8.5'		CHECKED BY	DATE



$$\begin{aligned}
 SWL &= 11.5 \\
 H_i &= 10.7 \\
 d_B &= 13.1 \\
 h_c &= .78(10.7) = 8.3 \\
 d_s &= 11.5 - 8.5 = 3.0 \\
 h' &= 16.5 - 11.5 = 5.0
 \end{aligned}$$

$$P_s = w(d_s + h_c) = 64(3.0 + 8.3) = 723 \text{ \#/ft}^2$$

$$P_m = \frac{w d_B}{2} = \frac{64 \times 13.1}{2} = 419 \text{ \#/ft}^2$$

$$R_s = P_s \left(\frac{d_s + h'}{2} \right) = 723 \left(\frac{3.0 + 5}{2} \right) = 2892 \text{ \#/ft}$$

$$R_m = P_m h' = 419(5) = 2095 \text{ \#/ft}$$

$$R_T = R_s + R_m = 2892 + 2095 = 4987 \text{ \#/ft}$$

$$M_s = R_s \left(\frac{d_s + h'}{3} \right) = 2892 \left(\frac{3.0 + 5}{3} \right) = 7712 \text{ ft\#/ft}$$

$$M_m = R_m \left(d_s + \frac{h'}{2} \right) = 2095 \left(3.0 + \frac{5}{2} \right) = 11522 \text{ ft\#/ft}$$

$$M_T = M_s + M_m = 7712 + 11522 = 19234 \text{ ft\#/ft}$$

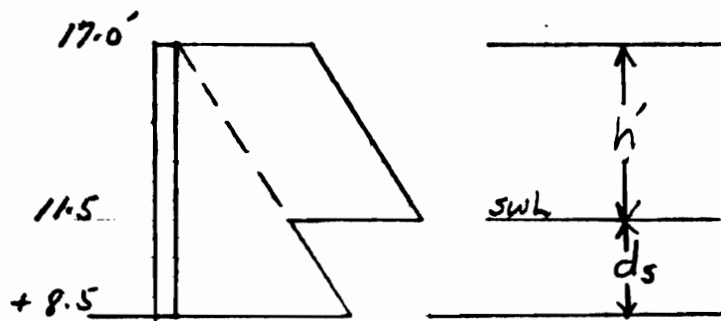
$$X_{RT} = \frac{M_T}{R_T} = \frac{19234}{4987} = 3.9 \text{ ft}$$

$$R_T = 3.9 + 8.5 = 12.4 \text{ ft. NGVD}$$

Encl #1

COMPUTATION SHEET

PROJECT	JEFF. PARISH LAKEFRONT WAVE FORCE	PAGE OF	COMPUTED BY	DATE
SUBJECT	TRANS WALL @ Pump STA. - Wall @ 17 Ht. & 8.5' Base		P.A.E.	8/28/86
			CHECKED BY	DATE



$$SWL = 11.5$$

$$H_i = 10.7$$

$$d_b = 13.1$$

$$h_c = .78(10.7) = 8.3'$$

$$d_s = 11.5 - 8.5 = 3.0$$

$$h' = 17.0 - 11.5 = 5.5$$

$$P_s = w(d_s + h_c) = 64(3.0 + 8.3) = 723 \text{ \#/ft}^2$$

$$P_m = \frac{w d_b}{2} = \frac{64 \times 13.1}{2} = 419 \text{ \#/ft}^2$$

$$R_s = P_s \left(\frac{d_s + h'}{2} \right) = 723 \left(\frac{3.0 + 5.5}{2} \right) = 3073 \text{ \#/ft}$$

$$R_m = P_m h' = 419(5.5) = 2305 \text{ \#/ft}$$

$$R_T = R_s + R_m = 3073 + 2305 = 5378 \text{ \#/ft}$$

$$M_s = R_s \left(\frac{d_s + h'}{3} \right) = 3073 \left(\frac{3.0 + 5.5}{3} \right) = 8707 \text{ ft\#/ft}$$

$$M_m = R_m \left(d_s + \frac{h'}{2} \right) = 2305 \left(3.0 + \frac{5.5}{2} \right) = 13254 \text{ ft\#/ft}$$

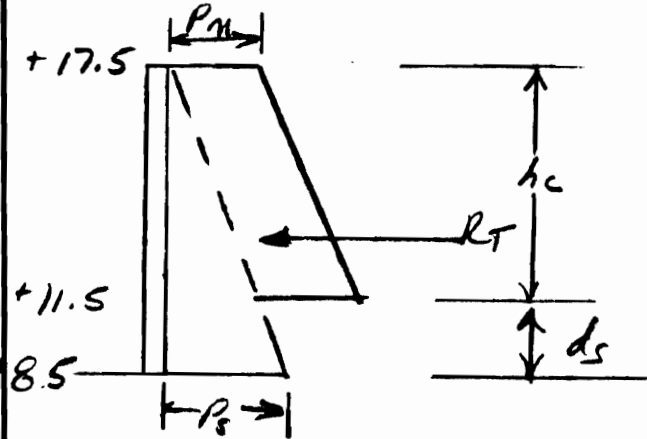
$$M_T = M_s + M_m = 8707 + 13254 = 21961 \text{ ft\#/ft}$$

$$X_{RT} = \frac{M_T}{R_T} = \frac{21961}{5378} = 4.1$$

$$R_T = 8.5 + 4.1 = 12.6$$

Encl #1

PROJECT	JEFF. PAR. LAKEKONT WAVE FWD	PAGE 4 OF	COMPUTED BY	DATE
SUBJECT	TRANS. WALL @ PUMP STA - WALL @ 17.5		CHECKED BY	DATE



$$SWL = 11.5$$

$$H_i = 10.7$$

$$d_B = 13.1$$

$$h_c = .78(10.7) = 8.3$$

$$d_s = 11.5 - 8.5 = 3.0$$

$$h' = 17.5 - 11.5 = 6.0$$

$$P_s = w(d_s + h_c) = 64(3.0 + 8.3) = 723 \text{ \#/ft}^2$$

$$P_m = \frac{w d_B}{2} = \frac{64 \times 13.1}{2} = 419 \text{ \#/ft}^2$$

$$R_s = P_s \left(\frac{d_s + h'}{2} \right) = 723 \left(\frac{3.0 + 6.0}{2} \right) = 3254 \text{ \#/ft}$$

$$R_m = P_m h' = 419 \times 6.0 = 2514 \text{ \#/ft}$$

$$R_T = R_s + R_m = 3254 + 2514 = 5768 \text{ \#/ft}$$

$$M_m = R_m \left(d_s + \frac{h'}{2} \right) = 2514 \left(3.0 + \frac{6.0}{2} \right) = 15,084 \text{ \#/ft}^2$$

$$M_s = R_s \left(\frac{d_s + h'}{3} \right) = 3254 \left(\frac{3.0 + 6.0}{3} \right) = 9762 \text{ ft\#/ft}^2$$

$$M_T = M_m + M_s = 15084 + 9762 = 24846 \text{ ft\#/ft}^2$$

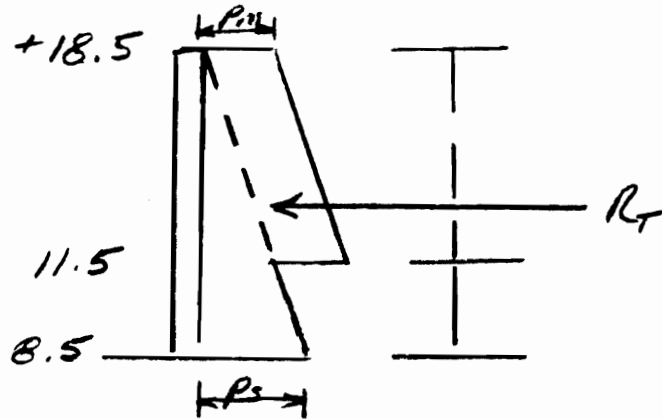
$$x_{RT} = \frac{M_T}{R_T} = \frac{24846}{5768} = 4.3 \text{ ft}$$

$$R_T = 8.5 + 4.3 = 12.8 \text{ ft N.G.V.D.}$$

Encl #1

COMPUTATION SHEET

PROJECT	JEFF. PAR. LAKEFRONT WAVE FENCE	PAGE 3 OF	COMPUTED BY	ADM	DATE	19 Jul 86
SUBJECT	TRANS. WALL @ PUMP STA WALL @ 18.5		CHECKED BY		DATE	



$$SWL = 11.5$$

$$H_i = 10.7$$

$$d_B = 13.1$$

$$h_c = .78(10.7) = 8.3$$

$$d_s = 11.5 - 8.5 = 3.0$$

$$h' = 18.5 - 11.5 = 7.0$$

$$P_s = w(d_s + h_c) = 64(3.0 + 8.3) = 723 \text{ \#/ft}^2$$

$$P_m = \frac{wd_B}{2} = \frac{64 \times 13.1}{2} = 419 \text{ \#/ft}^2$$

$$R_s = P_s \left(\frac{d_s + h'}{2} \right) = 723 \left(\frac{3.0 + 7.0}{2} \right) = 3615 \text{ \#/ft}$$

$$R_m = P_m h' = 419 \times 7.0 = 2933 \text{ \#/ft}$$

$$R_T = R_s + R_m = 3615 + 2933 = 6548 \text{ \#/ft}$$

$$M_s = R_s \left(\frac{d_s + h'}{3} \right) = 3615 \left(\frac{3.0 + 7.0}{3} \right) = 12,050 \text{ \#/ft}$$

$$M_m = R_m (d_s + h_c/2) = 2933 (3.0 + 7.0/2) = 19,065 \text{ \#/ft}$$

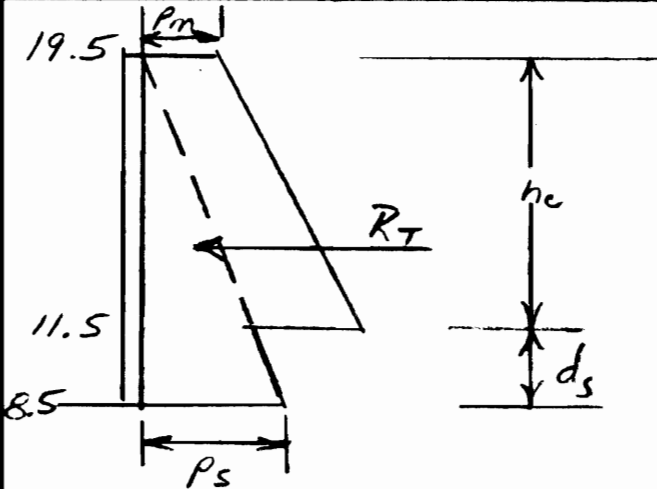
$$M_T = M_s + M_m = 12,050 + 19,065 = 31,115 \text{ \#/ft}$$

$$X_{RT} = \frac{M_T}{R_T} = \frac{31,115}{6,548} = 4.8 \text{ ft}$$

$$R_T = 4.8 + 8.5 = 13.3 \text{ ft N.G.V.D.}$$

Encl #1

PROJECT LEEF. PAR. LAKEFRONT WAVE FORCE	PAGE 2 OF	COMPUTED BY MDM	DATE 19 Jul 86
SUBJECT TRANS. WALL & PUMP STR. WALLS @		CHECKED BY	DATE



$$\begin{aligned}
 SWL &= 11.5 \\
 H_i &= 10.7 \\
 d_b &= 13.1 \\
 h_c &= .78(10.7) = 8.3 \\
 d_s &= 11.5 - 8.5 = 3.0 \\
 h_i' &= 19.5 - 11.5 = 8.0
 \end{aligned}$$

$$P_s = w(d_s + h_c) = 64(3.0 + 8.3) = 723 \text{ \#/ft}^2$$

$$P_m = \frac{w d_b}{2} = \frac{64 \times 13.1}{2} = 419 \text{ \#/ft}^2$$

$$R_s = P_s \left(\frac{d_s + h_i'}{2} \right) = 723 \left(\frac{3.0 + 8.0}{2} \right) = 3977 \text{ \#/ft}$$

$$R_m = P_m h_i' = 419 \times 8.0 = 3352 \text{ \#/ft}$$

$$R_T = R_s + R_m = 3977 + 3352 = 7329 \text{ \#/ft}$$

$$M_s = R_s \left(\frac{d_s + h_i'}{3} \right) = 3977 \left(\frac{3.0 + 8.0}{3} \right) = 14,582 \text{ \#/ft}$$

$$M_m = R_m (d_s + h_i'/2) = 3352 (3.0 + 8.0/2) = 23,464 \text{ \#/ft}$$

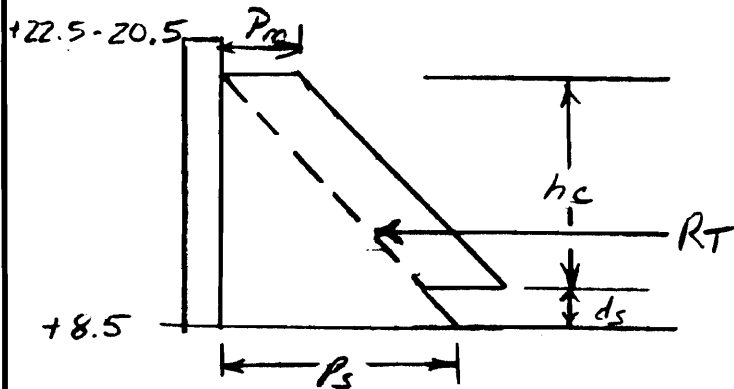
$$M_T = M_s + M_m = 14582 + 23464 = 38,046 \text{ \#/ft}$$

$$\bar{x}_{RT} = \frac{M_T}{R_T} = \frac{38046}{7329} = 5.2 \text{ ft}$$

$$R_T = 5.2 + 8.5 = 13.7 \text{ ft N.G.V.D.}$$

Encl #1

PROJECT	JEFF PAR LAKEFRONT WAVE FENCE	PAGE 1 OF	COMPUTED BY	DATE
SUBJECT	TRANS WALL @ PUMP STA - WALLS 22.5 + 20.5		CHECKED BY	DATE



$$SWL = 11.5 \quad H_c = 10.7$$

$$d_B = 13.1 \quad h_c = .78(10.7) = 8.3$$

$$d_s = 11.5 - 8.5 = 3.0$$

$$P_s = w(d_s + h_c) = 64(3.0 + 8.3) = 723 \text{ psf}$$

$$P_m = \frac{w d_b}{2} = \frac{64(13.1)}{2} = 419 \text{ psf}$$

$$R_s = P_s \left(\frac{d_s + h_c}{2} \right) = 723 \left(\frac{3.0 + 8.3}{2} \right) = 4085 \text{ \#/\#}$$

$$R_m = P_m h_c = 419 \times 8.3 = 3478 \text{ \#/\#}$$

$$R_T = R_s + R_m = 4085 + 3478 = 7563 \text{ \#/\#}$$

$$M_s = R_s \left(\frac{d_s + h_c}{3} \right) = 4085 \left(\frac{3.0 + 8.3}{3} \right) = 15,387 \text{ \#/\#}$$

$$M_m = R_m \left(d_s + \frac{h_c}{2} \right) = 3478 \left(3.0 + \frac{8.3}{2} \right) = 24,868 \text{ \#/\#}$$

$$M_T = M_s + M_m = 15387 + 24868 = 40,255 \text{ \#/\#}$$

$$\bar{X}_{RT} = \frac{M_T}{R_T} = \frac{40255}{7563} = 5.3 \text{ ft}$$

$$R_T = 5.3 + 8.5 = 13.8 \text{ ft N.G.V.D.}$$

Encl #1

JEFFERSON PARISH LAKEFRONT
FOR WAVE FORCES ON WALL VICINITY OF PUMPING STATION

26/AUG 86

CONDITION		R_T	M_T	R_T
TOP OF WALL ft. NGVD	BASE OF WALL ft. NGVD	#/ft.	ft#/ft	ft. NGVD
22.5-20.5'	9.5	6890	33300	14.3
19.5	9.5	4460	31500	14.2
18.5	9.5	5920	25300	13.8
17.5	9.5	5160	19800	13.3
17.0	9.5	4776	17127	13.1
16.5	9.5	4410	15000	12.9
15.5	9.5	3670	10800	12.4

Encl #2

PROPOSITION FORM

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

REFERENCE OR OFFICE SYMBOL

LMNED-FS

SUBJECT

Lake Pontchartrain & Vic, LA. Hurricane Protection Proj., HLP
GDM No. 17 Jefferson Lakefront Tie-in wall for Pumping Sta.
No. 1

TO C/Design Br

FROM C/F&M Br

DATE 26 August 1986

CMT 1

Mr. Chiu/ea/1032

1. Reference conversation between your Mr. J. Romero and Mr. Chiu of my office on 22 Aug 86. It was agreed that the Tie-in wall height of EL 17.5 and above, will require a T-wall section.
2. Enclosed are T-wall pile capacity curves and embankment sections for both East and West sides. Seepage cutoff wall should be extended 5 feet beneath the T-wall base. The wall alignment has to be moved 30 feet landward from the existing alignment due to stability requirements.
3. I-wall design for wall height EL 17, EL 16.5 and EL 15.5 will be furnished as soon as wave force become available.

5 Encls

1. Embankment section, Eastside
2. Embankment Section, Westside
3. Pile Capacity Curve, Eastside
4. Pile Capacity Curve, Westside
5. Factor of Safety Criteria for Pile Capacity Curves

RODNEY P. PICCIOLA
Chief, Foundations and Materials Branch

RTJ
NAPOLITANO
LMNED-FS

PICCIOLA
LMNED-F

CF (w/o Encls):

LMNED-SP

RP
8/29

FILE

DISPOSITION FORM

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

REFERENCE OR OFFICE SYMBOL

LMNED-FS

SUBJECT

LAKE PONT. & VIC., LA HURRICANE PROT. PROJ. HLP
GDM NO. 17 JEFFERSON LAKEFRONT P.S. #1 TIE-IN
WALL

TO C/DES. BR.

FROM C/F&M BR.

DATE 5 SEP 1986

CMT 1

MR. CHIU / 1032
4/2

1. REFERENCE LMNED-FS DF, DTD 26 AUG 86, SAME
SUBJECT.

2. I-WALL DESIGN AND Q-FILE INFORMATION ARE
FURNISHED AS INCLOSURE 1.

1 ENCL.

AS

RODNEY P. PICCIOLA
CHIEF, FOUNDATIONS & MATERIALS BRANCH

CF: ED-SP

W/O ENCL.

RP/5

FILE

DISPOSITION FORM

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

REFERENCE OR OFFICE SYMBOL

LMNED-FS

SUBJECT

Lake Pontchartrain, La. & Vicinity Hurricane Protection Project,
HLP, Jefferson Parish Lakefront

TO C/Des Br

FROM C/F&M Br

DATE 30 May 86

CMT 1

Mr. Chiu/mlm/1032

Enclosed concrete pile capacity curves for **Pumping Stations 2 and 3** are furnished as requested by your Mr. Charles Laborde (LMNED-DD).

2 Encl

1. Pile Capacity Curve P.S. No. 2
2. Pile Capacity Curve P.S. No. 3

RODNEY P. PICCIOLA
Chief, Foundations & Materials Branch

5130
FILE

DISPOSITION FORM

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

REFERENCE OR OFFICE SYMBOL

LMNED-FS

SUBJECT

Lake Pontchartrain & Vic., LA. Hurricane Protection Proj.
HLP, GDM No. 17 Jefferson Lakefront

TO C/Design Br

FROM C/F&M Br

DATE 20 August 1986

CMT 1

Mr. Chiu/ea/1032

1. The following revised pile capacity curves are furnished for the subject GDM:

a. Causeway Floodgate (Encl 1).

b. Pumping Station No. 2:

(1) EL. - 12.5 (concrete) (Encl 2)

(2) EL. + 4.5 (timber) (Encl 3)

(3) EL. - 5.5 (timber) (Encl 4)

(4) EL. - 12.5 (timber) (Encl 5)

c. Pumping Station No. 3:

(1) EL. - 13.5 (concrete) (Encl 6)

(2) EL. - 13.5 (timber) (Encl 7)

2. We recommend that the factors of safety to be used are as stated below:

	<u>W/Pile Load Test</u>	<u>W/O Pile Load Test</u>
Q-Case	2.0	3.0
S-Case	2.0 (Dead load only) 1.0 (Total load)	3.0 (Dead load only) 1.5 (Total load)

3. Please discard the previously furnished pile capacity curves for the subject GDM.

7 Encls

RODNEY P. PICCIOLA
Chief, Foundations and Materials Branch

RICHARDSON
LMNED-FS

PICCIOLA
LMNED-F

CF = W/O ENCL.
LMNED-SP

R.P. 8/20
FILE

DISPOSITION FORM

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

REFERENCE OR OFFICE SYMBOL

LMNED-FS

SUBJECT

Lake Pontchartrain & Vicinity, LA. Hurricane Protection Proj.,
HLP GDM No. 17 Jefferson Lakefront Tie-in wall for Pumping
Sta. No. 4

TO C/Design Br

FROM C/F&M Br

DATE 29 August 1986

CMT 1

Mr. Chiu/cl/1032

1. Reference conversation between your Mr. J. Romero and Mr. Chiu of my office on 27 Aug 86. It was agreed that the Tie-in wall height of EL 18.5 and above, will require a T-wall section.
2. Enclosed are T-wall pile capacity curves and embankment sections for both East and West sides. Seepage cutoff wall should be extended 5 feet beneath the T-wall base. I-wall design for wall heights EL 17.5, EL 17, EL 16.5 and EL 15.5 are completed and Q-files are enclosed as encl. 5.

5 Encls

1. Embankment Section, Eastside
2. Embankment Section, Westside
3. Pile Capacity Curve
4. Factor of Safety Criteria for Pile Capacity Curve
5. Q-File for I-Walls

RODNEY P. PICCIOLA

Chief, Foundations and Materials Branch

CF (w/o Encls):

LMNED-SP

[Signature]
RICHARDSON
LMNED-FS

[Signature]
NAPOLITANO
LMNED-FS

[Signature]
PICCIOLA
LMNED-F

[Signature]
8/29

FILE

DISPOSITION FORM

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

REFERENCE OR OFFICE SYMBOL

LMNED-HC

SUBJECT

Lake Pontchartrain LA & Vic, Hurricane Protection Project, GDM #17, Jefferson Parish Lakefront Levee

TO C/Des Svcs Br

FROM C/H&H Br


DATE 2 Jun 87

CMT 1

Ms. Hote/beb/2489

1. Reference is made to various conversations between Ms. Hote of this branch and Mr. Stutts of Design Services Br, with respect to the applicability of the existing design of foreshore protection for the Jefferson Parish Lakefront levee after dozens of iterations to select the final design section for height to prevent overtopping and changing cross-sections to provide the optimum stable section in each reach.

2. In most of the levee designs originally considered, massive increases in cross-sections were contemplated which moved the lakeward toe of the levee hundreds of feet into the lake. For these sections, we designed a suitable stone dike to armor the unconsolidated lakeward toe against the normal wave activity in the lake. The designs currently being contemplated are all confined within the existing rights-of-way, (no construction lakeward of the landside edge of the bike path) that is, the lakeward toe of the levee which has been shaped to a stable configuration by 30 years of daily wave climate will be the shoreline for the new levee. Thus at this time we feel that no additional foreshore protection is required for these designs. However, maintenance will still be required on the existing foreshore protection in approximately 30 years.


CECIL W. SOILEAU
Chief, Hydraulics & Hydrologic Branch

DISPOSITION FORM

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

REFERENCE OR OFFICE SYMBOL

SUBJECT

TO

FROM

DATE

CMT 1

LMNED-HC

Lake Pontchartrain LA & Vic, Hurricane Protection
Project, GDM #17, Jefferson Parish Lakefront Levee

C/Des Svcs Br

C/H&H Br

2 Jun 87

Ms. Hote/beb/2489

1. Reference is made to various conversations between Ms. Hote of this branch and Mr. Stutts of Design Services Br, with respect to the applicability of the existing design of foreshore protection for the Jefferson Parish Lakefront levee after dozens of iterations to select the final design section for height to prevent overtopping and changing cross-sections to provide the optimum stable section in each reach.
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CECIL W. SOILEAU
Chief, Hydraulics & Hydrologic Branch

CELMN-ED-SP (1110-2-1150a)

Lake Pontchartrain, La. & Vic High Level Plan Jefferson Parish
Lakefront Levee At Grade Improvements N. Causeway Blvd. Final
Plans - Pepper & Ass Inc.

C/Des Br

C/Des Sves Br

4 Jun 87

Mr. Stutts/pas/2614

1. Reference is made to the enclosed 27 May 87 letter ~~from~~ Pepper & Ass. Inc which transmitted plans for the subject improvements at Causeway Blvd. (Plans hand carried by Mr. Stutts to Mr. Remero 3 June 87).
2. It is requested that your office review these plans relative to their influence on the proposed hurricane protection plans at the Causeway Blvd Toll Plaza area.
3. Please provide your comments to this office ASAP but NLT 14 June 1987.
4. Should you have any questions concerning this request, please contact Mr. Stutts ext. 2614.

Encl

THOMAS E. HARRINGTON, JR.
Chief, Design Services Branch

MS
STUTTS
CELMN-ED-SI

JB
BARTON
CELMN-ED-SI

TH
HARRINGTON
CELMN-ED-S

DISPOSITION FORM

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

REFERENCE OR OFFICE SYMBOL

LMNED-HC

SUBJECT

Lake Pontchartrain LA & Vic, Hurricane Protection Project, GDM #17, Jefferson Parish Lakefront Levee

TO C/Des Svcs Br

FROM C/H&H Br

DATE 2 Jun 87

CMT 1

Ms. Hote/beb/2489

1. Reference is made to various conversations between Ms. Hote of this branch and Mr. Stutts of Design Services Br, with respect to the applicability of the existing design of foreshore protection for the Jefferson Parish Lakefront levee after dozens of iterations to select the final design section for height to prevent overtopping and changing cross-sections to provide the optimum stable section in each reach.

2. In most of the levee designs originally considered, massive increases in cross-sections were contemplated which moved the lakeward toe of the levee hundreds of feet into the lake. For these sections, we designed a suitable stone dike to armor the unconsolidated lakeward toe against the normal wave activity in the lake. The designs currently being contemplated are all confined within the existing rights-of-way, (no construction lakeward of the landside edge of the bike path) that is, the lakeward toe of the levee which has been shaped to a stable configuration by 30 years of daily wave climate will be the shoreline for the new levee. Thus at this time we feel that no additional foreshore protection is required for these designs. However, maintenance will still be required on the existing foreshore protection in approximately 30 years.

Soileau
CECIL W. SOILEAU

Chief, Hydraulics & Hydrologic Branch

BB

ROUTING SLIP (AR 340-15)		NEVER USE FOR APPROVALS DISAPPROVALS, CONCURRENCES OR SIMILAR ACTIONS	
TO	INITIALS	DATE	
1 Harrington, S		7/30	
Grate, SA			
Amedee, SD			
2 Barton, SP			
Gagliano, SR			
Manson, SE			
Roman, SS			
SUSPENSE NO. <u>5-779</u>			
NO RESPONSE REQUIRED ✓			
<i>not extremely precise.</i>			
CHECK ACTION DESIRED			
INFOR- MATION	SIGNA- TURE	NOTE AND RETURN	
CIR- CULATE	NECES- SARY ACTION	SEE ME	
FROM	TELEPHONE	DATE	
ORGANIZATION			

DISPOSITION FORM

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

REFERENCE OR OFFICE SYMBOL

LMNED-FS

SUBJECT

Lake Pont. & Vic, LA Hurricane Protection Project, DM #17,
Jefferson Lakefront Jefferson Parish

TO

C/Des Svcs Br

FROM

C/F&M Br

DATE

28 Apr 87

CMT 1

Mr. Chiu/gl/1032

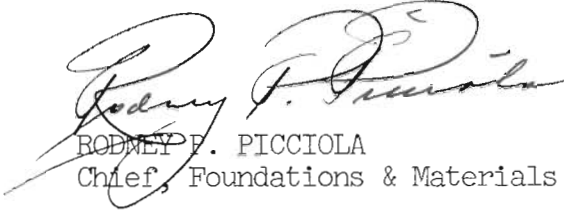
glc JR

1. As agreed between Mr. Napolitano of my office and your Mr. VannStutts, settlement curves for Reaches A, B & C for the subject DM are furnished as Enclosures 1, 2 & 3.

2. Advance copies were furnished to LMNED-DL on 24 Apr 87.

3 Encl

As



RODNEY F. PICCIOLA
Chief, Foundations & Materials Branch

RA

DISPOSITION FORM

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

REFERENCE OR OFFICE SYMBOL

LMNED-FS

SUBJECT

Lake Pont. & Vic, LA Hurricane Protection Project, DM #17,
Jefferson Lakefront Jefferson Parish

TO

C/Des Svcs Br

FROM

C/F&M Br

DATE

28 Apr 87
Mr. Chiu/gl/1032

CMT 1

1. As agreed between Mr. Napolitano of my office and your Mr. VannStutts, settlement curves for Reaches A, B & C for the subject DM are furnished as Enclosures 1, 2 & 3.
2. Advance copies were furnished to LMNED-DL on 24 Apr 87.

3 Encl
As

RODNEY P. PICCIOLA
Chief, Foundations & Materials Branch

Reach C El. 16.0 (Net El. 16.0) Sta. 343+95 to Sta. 549+42

YEAR

20 0 | | | | 5 10 15 20 25 30

1st Lift



2nd Lift



3rd Lift



4th Lift



Reach B El. 16.0 (16.0 Net) Sta. 185+00 to Sta 343+95

EL. N.S.G. V.P.

20 0 | | | | 5 10 15 20 25 30
YEAR

1ST LIFT

Net El. 16.0

2ND LIFT

Net El. 16.0

3RD LIFT

Net El. 16.0

4TH LIFT

Net El. 16.0

Fill Height

17.0'

5

Fill Height

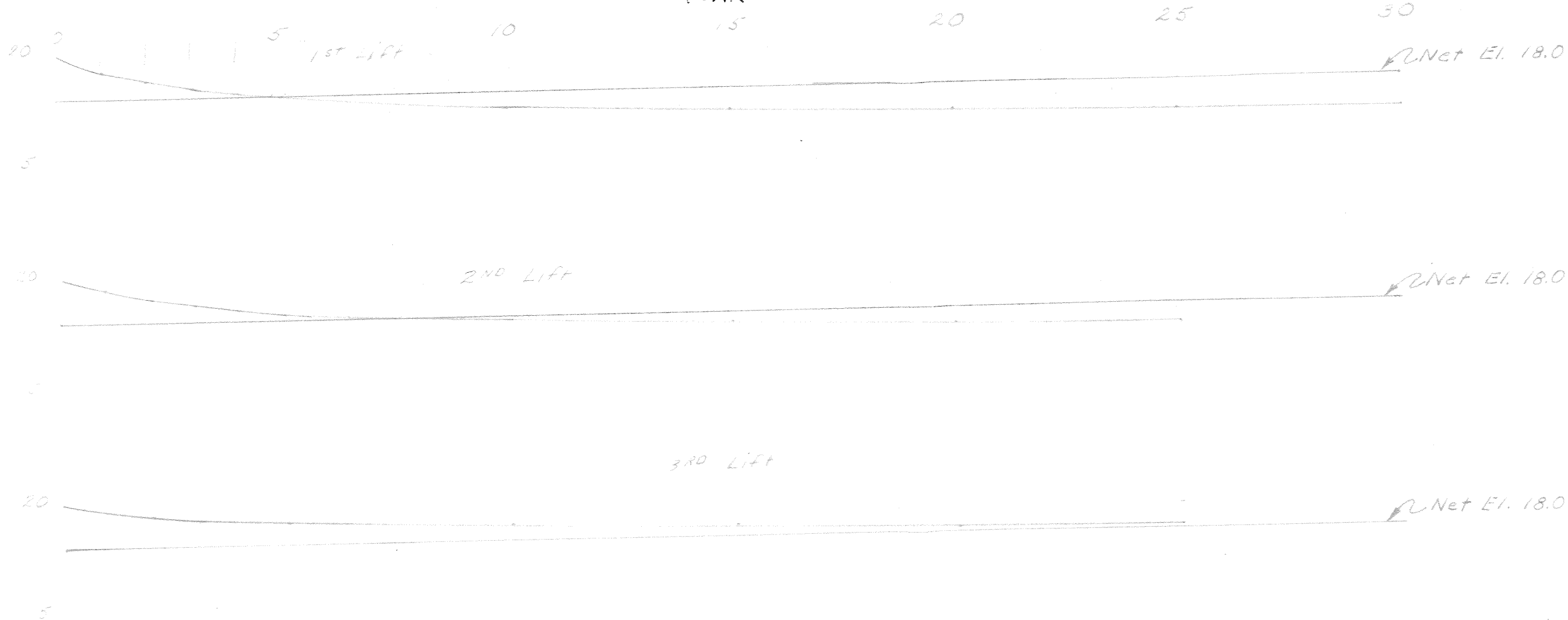
17.5'

1.0

Reach H El. 20.0 (18.0 Net) STA. 0+00 TO STA 185+00

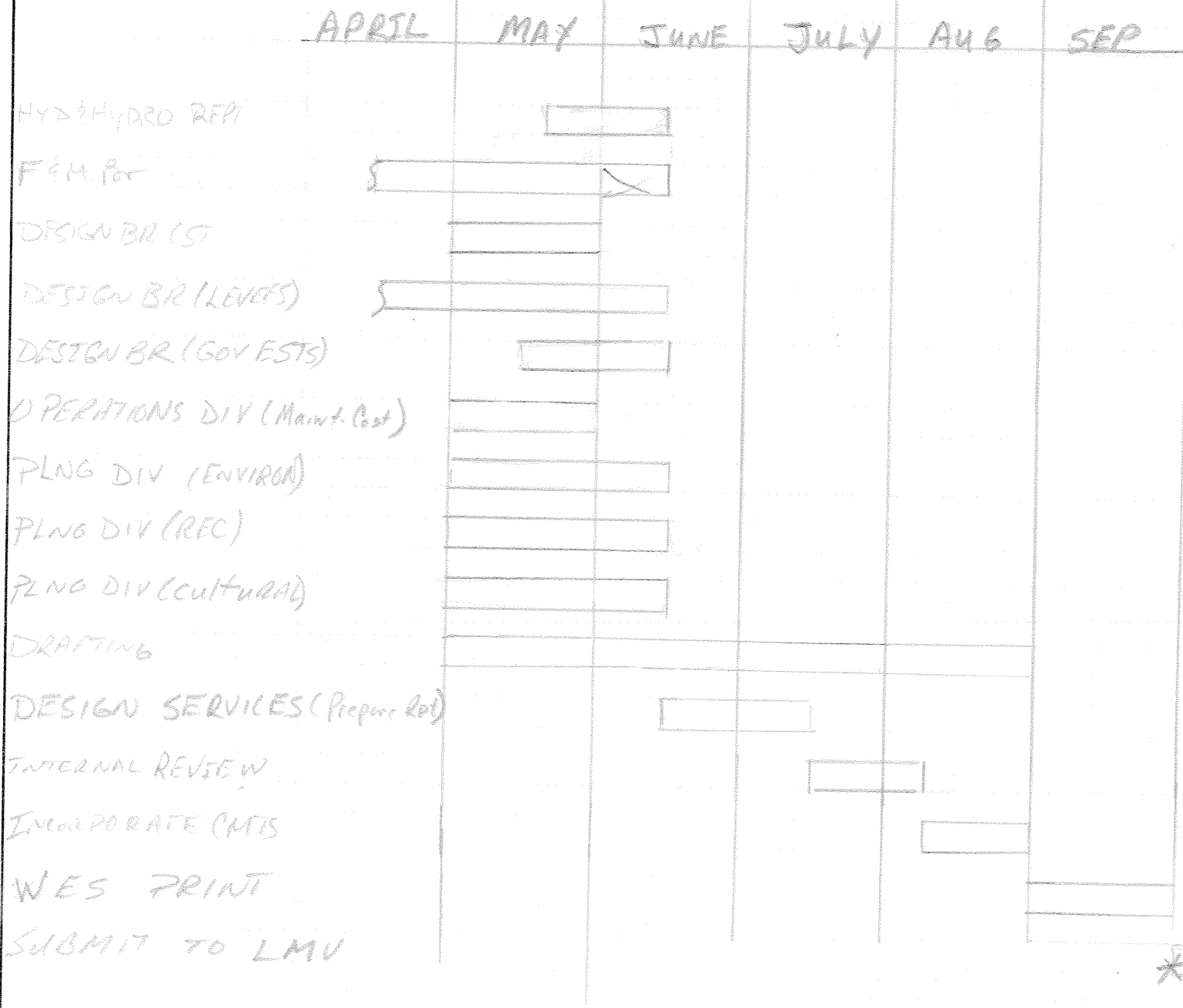
23 April 87

YEAR



EL. N.S.V.D.

ENCL. I



* 30 SEP 87



JOSEPH S. YENNI
PARISH PRESIDENT

JEFFERSON PARISH LOUISIANA

DEPARTMENT OF PUBLIC UTILITIES
P.O. BOX 9126
METAIRIE, LOUISIANA 70055
834-7810

October 21, 1986



PETER J. RUSSO
DIRECTOR

Mr. Frederic M. Chatry
Chief, Engineering Division
Department of the Army
New Orleans District
Corps of Engineers
P. O. Box 60267
New Orleans, LA 70160-0267

Dear Mr. Chatry:

This is in reference to your October 6, 1986 letter in which you asked for our plans for the old Duncan Pump Station so that you can finalize the "General Design Memorandum" on the Lake Pontchartrain project.

After considerable discussion with the Administration and our Pump Station Department, we have concluded that we will retain the station in its present form as a training center for pump station operators. The station would also serve to increase pumping capacity in the event that we have a very severe storm.

In other words, we do not plan to abandon the station but plan to keep it in its present condition and operable as a pump station.

If you have any further questions regarding this matter, feel free to contact me.

Yours very truly,

DEPARTMENT OF PUBLIC UTILITIES

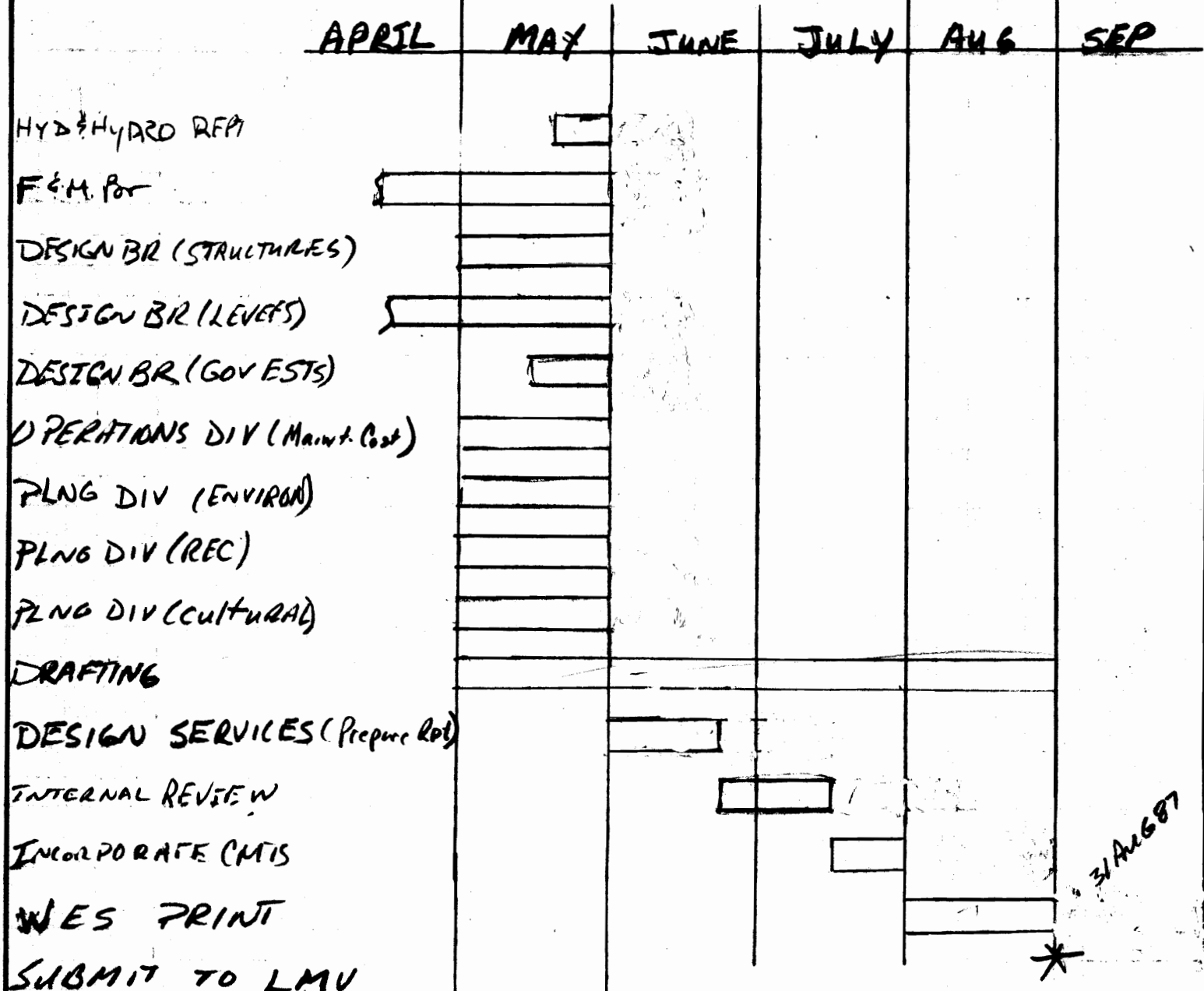

Peter J. Russo, Director 

cc: Mr. Joseph Yenni
Mr. Ross Ketchum

PROJECT Lake Pontchartrain, La. & Vicinity (High Level Plan) PAGE 1 OF 1 COMPUTED BY Walter F. Teckemeyer DATE 24 Jun 86
 SUBJECT Jefferson Parish Lakefront Levee - GDM Schedule CHECKED BY _____ DATE _____



* Includes routing of Letter of Transmittal



Submit to LMU

* 31 AUG 87

LAKEFRONT RETURN APRIL 88
 MAY 88
 Construction Start CONSTRUCTION START

Original Feb 87 Lakefront
 April 87 Return

PROJECT LAKE PONTCHARTRAIN LA & VIC HIGH LEVEL

Page 1 of 1

COMPUTED BY *[Signature]*

DATE

SUBJECT PLAN REMAINING SCHEDULE TO COMPLETE GDM 17

CHECKED BY 4/2/87

DATE

APRIL MAY JUNE JULY AUG SEP

HYD & HYDRO REP

F&M. Por

DESIGN BR (STRUCTURES)

DESIGN BR (LEVELS)

DESIGN BR (GOV ESTS)

OPERATIONS DIV (Maint. Cost)

PLNG DIV (ENVIRON)

PLNG DIV (REC)

PLNG DIV (CULTURAL)

DRAFTING

DESIGN SERVICES (Prepare Rpt)

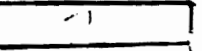
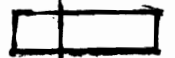
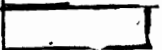
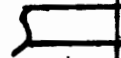
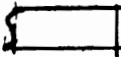
INTERNAL REVIEW

INCORPORATE CMIS

WES PRINT

SUBMIT TO LMU

Jan 87 Lakefront
April 87 Return



*

31 Aug 87 Submit to LMU

LAKEFRONT MAY 88
RETURN HOME APRIL 88

Construction Start
CONSTRUCTION START



Lake Vista of Jefferson Civic Association

P.O. Box 1024 • Kenner, LA. 70063

CIVIC ASSOCIATION OFFICERS:

President: John Person 581-2121 or 456-2294
President-Elect:
Secretary: Debbie Settoon 889-0182
Treasurer: Steve Hebert 888-7282

JUNE 1987

STREET DIRECTORS:

Craig: Bob Tranchant 456-2629
Toby: Beverly Wittich 454-1676
Rebecca: Steve Ritter 456-1891
Janice: Kathy Taylor 455-2761
David: Gary Reynolds 885-2477
Stahl:
Sear: Carol Reynolds 454-3902
Gaylynn:
Erlanger: Michael Sunseri 885-0667



GENERAL MEETING MONDAY, JUNE 8 7:30 P.M. 2713 SEAR

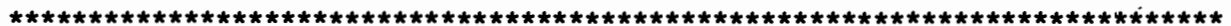
This month's meeting will be held at the home of Fred and Carol Reynolds.

We will have a presentation by Mr. Van Stutts, a representative of the U.S. Army Corps of Engineers, on the proposed Lake Pontchartrain levee improvements. This will be an excellent opportunity for all of us to view these plans first-hand and to become a part of the planning process. Won't you join us?

As elections were tabled at the last meeting, the process will be concluded at the June meeting. Nominated for officers for the coming year are:

President: John Person
President-Elect: Kathy duTreil
Treasurer: Joe Bennett
Secretary: Debbie Settoon

We will also elect to fill any vacant positions of Street Directors. Volunteers should contact John Person for more information.



TOT LOT IMPROVEMENTS

A water fountain has been installed at the Lake Vista Lot Lot, located at Erlanger and the Lake. Our thanks to Kenner Councilman Bucky Lanning for this much-sought (and timely) improvement to our area.

We have also requested increased patrols of this area by the Kenner Police and the East Jefferson Levee District Police due to the increase in loitering after dark by teen-agers and adults. Signs (making the area off-limits after dark) will be erected shortly and increased lighting of the area is being discussed. Our thanks to Kathy duTreil, Debbie Settoon, and Karen Sunseri who handled this matter so successfully on our behalf.

If any resident needs additional assistance (at any time) from the East Jefferson Levee District, you are asked to contact Capt. Villanauva (24 hrs.) at 467-1368. A special patrol to handle problems anywhere along the levee will be dispatched immediately.

ROUTING AND TRANSMITTAL SLIP

Date

19 June 87

TO: (Name, office symbol, room number, building, Agency/Post)	Initials	Date
1. <i>Ch. Engineering</i> <i>WBS</i>		
2. <i>Mr. J. J. Harrington</i> <i>AA-23</i>		
3.		
4.		
5.		

Action	File	Note and Return
Approval	For Clearance	<input checked="" type="checkbox"/> For Conversation
As Requested	For Correction	Prepare Reply
Circulate	For Your Information	See Me
Comment	Investigate	Signature
Coordination	Justify	

REMARKS

Fred:
for Vaner Stutte

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.
VICTOR A. LANDRY Executive Assistant	Phone No.

5041-102

OPTIONAL FORM 41 (Rev. 7-76)
Prescribed by GSA
FPMR (41 CFR) 101-11.206



The Board of Levee Commissioners

OF THE

East Jefferson Levee District

PROTECTING YOU
AND YOUR FAMILY

(504) 733-0087

203 PLAUCHE COURT

Harahan, La.

70123

June 18, 1987

COMMISSIONERS

JOHN L. LAURICELLA, JR., PRESIDENT
FRANK H. RENAUDIN, VICE-PRESIDENT
ROBERT H. FERRARA
CHRIS A. LOCHBAUM

WILLIAM F. MIDDLETON
FIRST ASSISTANT TO PRESIDENT
PRINCIPAL ENGINEER
BRUCE REED
T. ROBERT LACOUR
SPECIAL COUNSEL

U. S. Army Corps of Engineers
New Orleans District
P. O. Box 60267
New Orleans, Louisiana 70118

Attention: Mr. Victor Landry
Executive Assistant

Dear Vic:

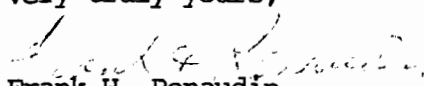
Please be advised that the Pontchartrain Shores Civic Association has scheduled an important meeting on Wednesday, June 24, 1987, at 7:30 P.M. This meeting will be held at the Central Homestead Association, 4517 West Esplanade Avenue, corner of Lorino Street in Metairie. Speakers from the East Jefferson Levee District; U. S. Army Corps of Engineers, and Louisiana Department of Transportation and Development, Office of Public Works, will be introduced at 8:30 P.M.

Members of the Association are interested in the following:

1. Present Levee Condition.
2. Height of Present Levee and the need to raise the levees at this time.
3. How will levees be constructed from an aesthetic aspect.
4. Time table of construction at different areas along the Lakefront.

Thanking you in advance for your cooperation, I remain

Very truly yours,


Frank H. Renaudin
Vice-President

FHR:mln



DEPARTMENT OF THE ARMY
NEW ORLEANS DISTRICT, CORPS OF ENGINEERS
P.O. BOX 60267
NEW ORLEANS, LOUISIANA 70160-0267

REPLY TO
ATTENTION OF

March 12, 1987

Engineering Division
Flood Control Section

Ms. Geneva P. Grille, P.E.
District Design, Water Resources
& Development Engineer
Department of Transportation
& Development
District 02 Design, Water Resources
& Development Section
7252 Lakeshore Drive
New Orleans, Louisiana 70124-2498

Dear Ms. Grille:

Colonel Brown has asked that I respond to your letters of February 17 and March 4, concerning designs for levee construction using superstrong geotextiles on the west bank levee improvements you are building.

As we discussed in our several telephone conversations about this matter, we have prepared no final designs for levee construction using "superstrong" geotextiles other than those for the test section in Plaquemines Parish. While our evaluation of the test section is incomplete, we are exploring application of this type of construction in our project areas with poor foundations. Probably our first detailed designs for applications in other than a test situation will be in connection with the Jefferson Parish lakefront levee under the Lake Pontchartrain, La. & Vicinity project. We expect to submit our general design memorandum for this levee within the next three months.

I understand and appreciate your desire to construct the west bank hurricane improvements in such a way as to ensure maximum compatibility with whatever designs may ultimately be prepared and approved for the Federal project. As on other such projects, we will seek to provide all the information we can to ensure such a result. To this end, we have made available members of our staff to discuss geotextile designs with employees of the Eustis firm. But we cannot, at this time, approve any such designs nor can we guarantee their ultimate compatibility with approved Federal designs.

With respect to the Eustis report, we would observe that the design approach is similar to that used by us in designing the test section constructed in connection with the New Orleans to Venice Hurricane Protection project last November. Results to date from the test section indicate that the design approach is sound.

We have provided a copy fo the Eustis report to the office of the Division Engineer, Lower Mississippi Valley Division, for comment as may be deemed appropriate.

We trust the foregoing is responsive.

Sincerely,

Frederic M. Chatry
Chief, Engineering Division

DISPOSITION FORM

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

REFERENCE OR OFFICE SYMBOL

LMNED-FS

SUBJECT

LAKE PONT. LA & VIC. HURRICANE PROT. PROJ.
JEFFERSON LAKEFRONT HLP GDM NO. 17

TO

C/DES BR.

FROM

C/F&M BR.

DATE

20 FEB 87


CMT 2

CH14/1032

Y/LC JR

1. WE HAVE BEEN ASKED BY YOUR OFFICE AND ED-S TO INVESTIGATE AN ALTERNATE PLAN WITH ALL EARTHEN LEVEE WITH GEOTEXTILE. AN EXPEDITED REPLY IS EXPECTED. REACH B IS PARTIALLY COMPLETED AT THIS TIME. H&M BR. IS ANALYZING REACHES A & C AND WILL ^{BE} FURNISHING THESE SECTIONS TO US FOR FOUNDATION DESIGN.
2. WE ARE CURRENTLY WORKING ON THE ABOVE MENTIONED PLAN AND WILL NOT BE ABLE TO START TO ANALYZE THE SECTIONS AS REQUESTED IN CMT. 1. WE ASK FOR YOUR COOPERATION TO EXTEND THE 20 FEB 87 DUE DATE TILL ONE WEEK AFTER WE FINISH THE WORK ON THE ALL EARTHEN LEVEE WITH GEOTEXTILE ALTERNATE PLAN.

RTD


RODNEY P. PICCIOLA
CHIEF, FOUNDATIONS & MATERIALS BR.

WD ENCL.

CF:LMNED-SP ✓

LMNED-SP

Lake Pontchartrain, La. & Vic Hurricane Protection Project
DM No. 17 Jefferson Parish Lakefront Levee Recurved Wall
Design Reaches A&C

C/F&M Br

C/Des Svcs Br

6 Feb 87
Mr. Stutts/pas/2614

1. Reference is made to the 5 Feb 87 meeting between Messrs Shung Kwok Chin, Jim Richardson and Phil Napolitano of your office and Mr. Vann Stutts of Design Services Branch concerning the subject wall design.
2. As discussed at the referenced meeting you are requested to develop the F&M design for the recurved wall plan Reaches A&C ASAP. Since we are trying to make a plan call by 17 Feb 87, it will be necessary for your input to reach Design Br by COB 11 Feb 87.
3. Wall heights and wave forces diagrams were hand-carried by Mr. Stutts and given to Mr. Chin at the referenced 5 Feb 87 meeting. Should you have any questions concerning this request, please contact Mr. Stutts at ext. 2614.

Encl
(hand-carried)

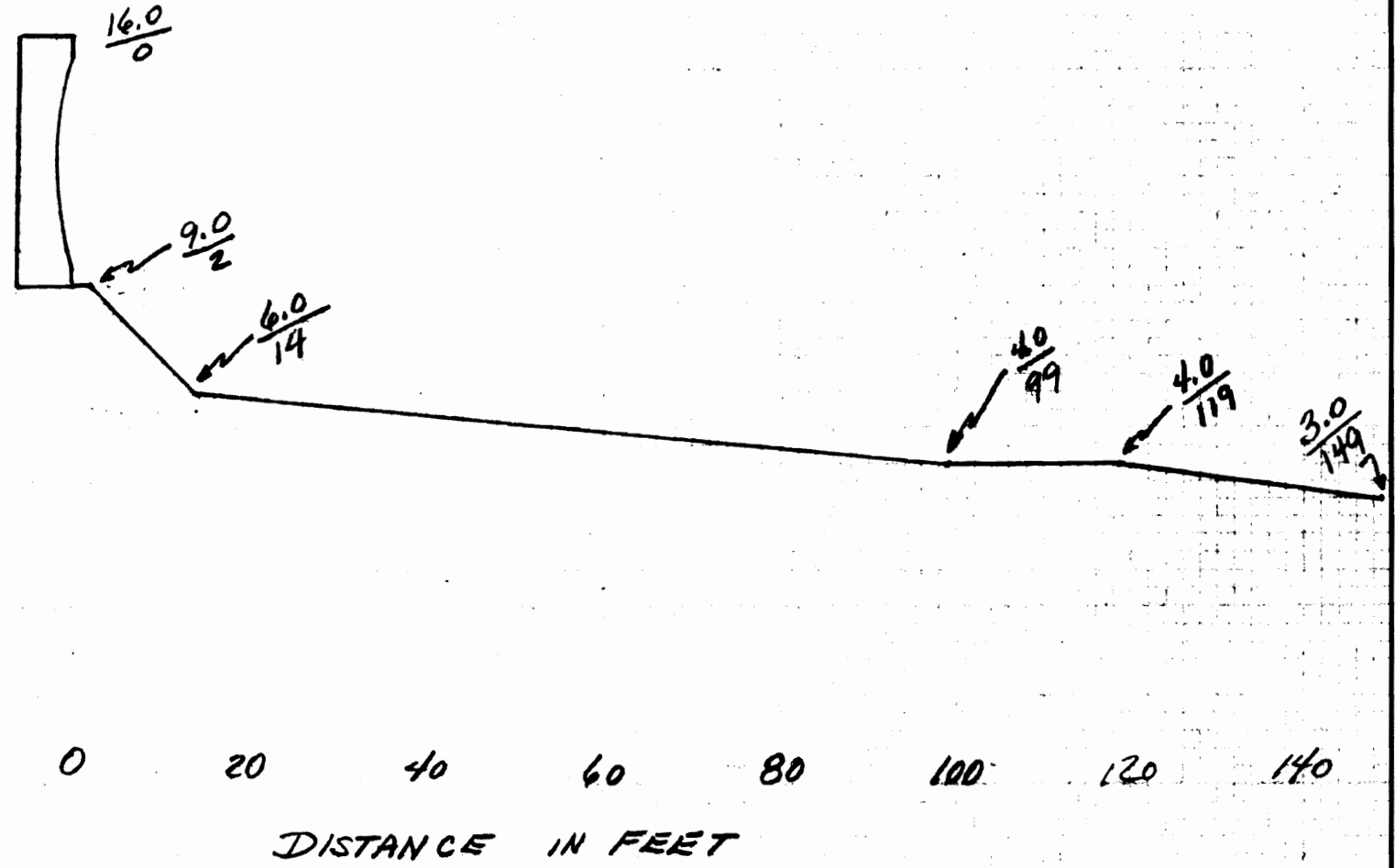
THOMAS E. HARRINGTON, JR.
Chief, Design Services Branch

Stutts
STUTTS
LMNED-SP
EB
BARTON
LMNED-SP
TH
HARRINGTON
LMNED-S

PROJECT	JEFF PAR. LAKEFRONT HLP	PAGE	OF	COMPUTED BY	MMH	DATE	2-2-87
SUBJECT	REACH B - Recurved Wall on +9 FT. LEVEL			CHECKED BY		DATE	

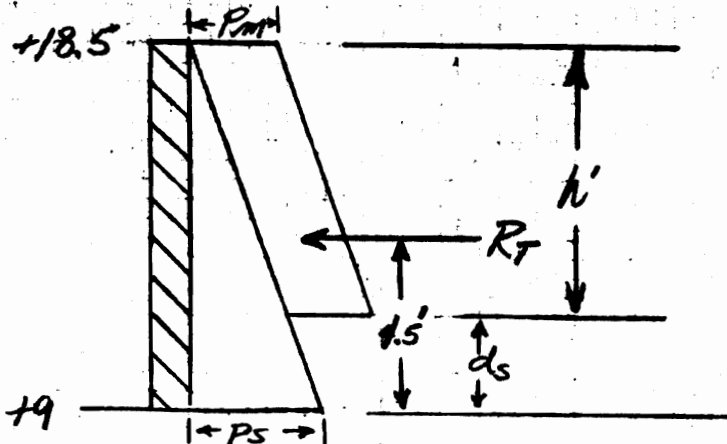
ELEVATION IN FEET NGVD.

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COMPUTATION SHEET

PROJECT	JEFF. PAR LAKEFRONT HLP	PAGE	OF	COMPUTED BY	DATE
SUBJECT	REACH B - WALL ON 9 FT LEVEE (DOWN)	CHECKED BY			DATE



SWL = 11.5
 $H_i = 10.7$
 $d_B = 13.1$
 $h_c = .78(H_i) = 8.3$
 $d_s = 11.5 - 9 = 2.5$

$h' = 18.5 - 11.5 = 7.0$
 $P_s = w(d_s + h_c) = 64(2.5 + 8.3) = 690 \text{ \#/ft}^2$
 $P_m = w d_B / 2 = 64(13.1) / 2 = 420 \text{ \#/ft}^2$
 $R_s = P_s(d_s + h') / 2 = 690(2.5 + 7.0) / 2 = 3280 \text{ \#/ft}$
 $R_m = P_m h' = 420(7.0) = 2940 \text{ \#/ft}$
 $M_s = R_s(d_s + h') / 3 = 3280(2.5 + 7.0) / 3 = 10390 \text{ ft\#/ft}$
 $M_m = R_m(d_s + h' / 2) = 2940(2.5 + 7 / 2) = 17640 \text{ ft\#/ft}$
 $R_T = R_s + R_m = 3280 + 2940 = 6220 \text{ \#/ft} \quad 4305 @ 12.4$
 $M_T = M_s + M_m = 10390 + 17640 = 28030 \text{ ft\#/ft}$
 $X_{RT} = \frac{M_T}{R_T} = \frac{28030}{6220} = 4.5 + 9.0 = 13.5 \text{ ft, N.G.V.D.}$

Recurved wall @ ~~16.0~~ ^{16.0} ft high
 to compute forces use $h' = 16.0 - 11.5 = \text{~~4.5~~ 4.5}$ ft

hand carried to
 Mrs. JMH
 13 Jan 86

Jeffer For Lakefront fence HLP
Reach B - Wall on 9 ft level Crown
Recessed wall design
1/14/87
DRS

$$h' = 16 - 11.5 = 4.5$$

$$P_s = 64 (2.5 + 8.3) = 690 \text{ \# / ft}^2$$

$$P_m = 64 (13.1) / 2 = 420 \text{ \# / ft}^2$$

$$R_s = 690 (2.5 + 4.5) / 2 = 2415.0 \text{ \# / ft}$$

$$R_m = 420 (4.5) = 1890.0 \text{ \# / ft}$$

$$M_s = R_s (2.5 + 4.5) / 3 = 5635 \text{ ft\# / ft}$$

$$M_m = 1890 (2.5 + 4.5 / 2) = 8977.5 \text{ ft\# / ft}$$

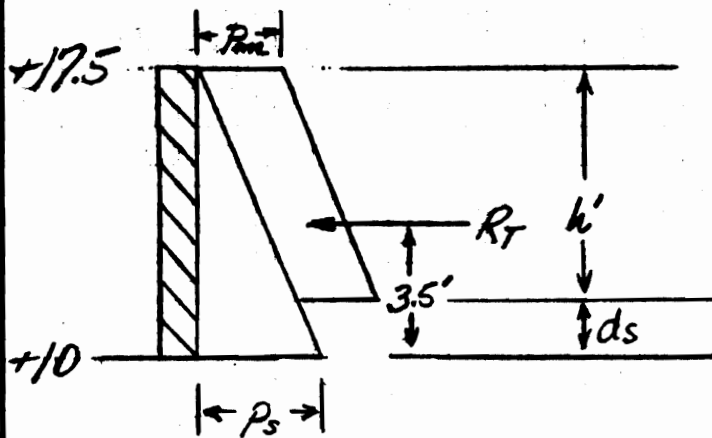
$$R_T = R_s + R_m = 2415 + 1890 = 4305$$

$$M_T = M_s + M_m = 5635 + 8977 = 14,612$$

$$X_{RT} = \frac{M_T}{R_T} = \frac{14612}{4305} = 3.39 \text{ + 9} \\ = 12.39 \text{ \# / ft}$$

COMPUTATION SHEET

PROJECT	JEFF PARISH LAKEFRONT HLP	PAGE	OF	COMPUTED BY	DATE
SUBJECT	REACH C - WALL ON 10 FT LEVEL CROWN			CHECKED BY	DATE



$SWL = 11.5$
 $H_L = 10.7$
 $d_B = 13.1$
 $h_C = 0.78(H_L) = 8.3$
 $d_s = 11.5 - 10 = 1.5$

$$h' = 17.5 - 11.5 = 6.0$$

$$p_s = w(d_s + h_C) = 64(1.5 + 8.3) = 630 \text{ \#/ft}^2$$

$$p_m = w d_B / 2 = 64(13.1) / 2 = 420 \text{ \#/ft}^2$$

$$R_s = p_s (d_s + h') / 2 = 630(1.5 + 6) / 2 = 2360 \text{ \#/ft}$$

$$R_m = p_m h' = 420(6) = 2520 \text{ \#/ft}$$

$$M_s = R_s (d_s + h') / 3 = 2360(1.5 + 6) / 3 = 5900 \text{ ft\#/ft}$$

$$M_m = R_m (d_s + h' / 2) = 2520(1.5 + 6 / 2) = 11340 \text{ ft\#/ft}$$

$$R_T = R_s + R_m = 2360 + 2520 = 4880 \text{ \#/ft}$$

$$M_T = M_s + M_m = 5900 + 11340 = 17240 \text{ ft\#/ft}$$

$$X_{R_T} = \frac{M_T}{R_T} = \frac{17240}{4880} = 3.5 + 10 = 13.5 \text{ ft \#.G.V.D}$$

Recurved wall $h' = 16.0 - 11.5 = 4.5$

DISPOSITION FORM

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

REFERENCE OR OFFICE SYMBOL	SUBJECT
LMNED-SP	Lake Pontchartrain, La. & Vic Hurricane Protection Project DM No. 17 Jefferson Parish Lakefront Levee Recurved Wall Design Reaches A&C
TO C/F&M Br <i>RP 2/10</i>	FROM C/Des Svcs Br
	DATE 6 Feb 87
	Mr. <i>Stutts</i> / pas/2614
	CMT 1


1. Reference is made to the 5 Feb 87 meeting between Messers Shung Kwok Chiu, Jim Richardson and Phil Napolitano of your office and Mr. Vann Stutts of Design Services Branch concerning the subject wall design.
2. As discussed at the referenced meeting you are requested to develop the F&M design for the recurved wall plan (Reaches A&C) ASAP. Since we are trying to make a plan call by 17 Feb 87, it will be necessary for your input to reach Design Br by COB 11 Feb 87.
3. Wall heights and wave forces diagrams were hand-carried by Mr. Stutts and given to Mr. Chiu at the referenced 5 Feb 87 meeting. Should you have any questions concerning this request, please contact Mr. Stutts at ext. 2614.

Encl
(hand-carried)


THOMAS E. HARRINGTON, JR.
Chief, Design Services Branch

LMNED-FS			
TO: C/Des Svcs Br	FROM C/F&M Br	DATE 11 Feb 87	CMT 2
		Mr. Chiu/gl/1032	

The subject floodwalls have been analyzed and Q-files were hand carried to ED-DD on 6 and 11 Feb 87.


RODNEY P. PICCIOLA
Chief, Foundations & Materials Branch

CF: LMNED-DD

LMNED-SP

Lake Pontchartrain, La. & Vic Hurricane Protection Project
DM No. 17 Jefferson Parish Lakefront Levee Recurved Wall
Design Reaches A&C

C/F&M Br

C/Des Svcs Br

6 Feb 87

Mr. Stutts/pas/2614

1. Reference is made to the 5 Feb 87 meeting between Messers Chung Kwok Chiu, Jim Richardson and Phil Napolitano of your office and Mr. Vann Stutts of Design Services Branch concerning the subject wall design.
2. As discussed at the referenced meeting you are requested to develop the F&M design for the recurved wall plan Reaches A&C ASAP. Since we are trying to make a plan call by 17 Feb 87, it will be necessary for your input to reach Design Br by COB 11 Feb 87.
3. Wall heights and wave forces diagrams were hand-carried by Mr. Stutts and given to Mr. Chiu at the referenced 5 Feb 87 meeting. Should you have any questions concerning this request, please contact Mr. Stutts at ext. 2614.

Encl
(hand-carried)

THOMAS E. HARRINGTON, JR.
Chief, Design Services Branch

LMNED-PS

TO: C/Des Svcs Br

FROM C/F&M Br

DATE 11 Feb 87

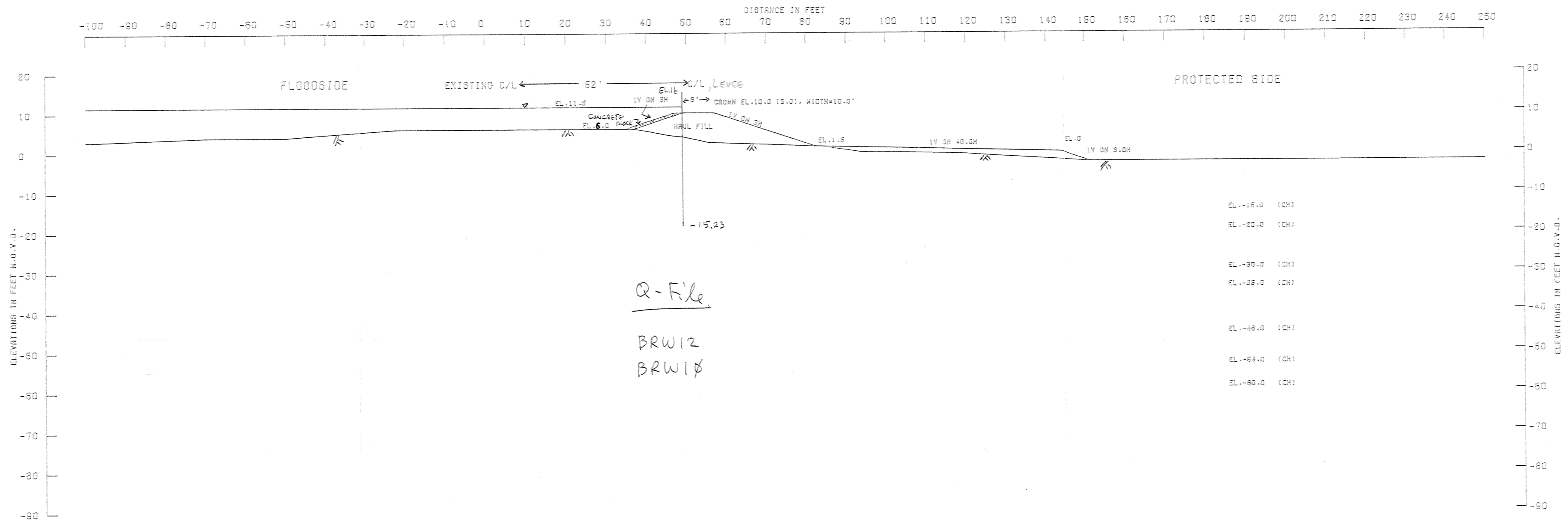
CMT 2

Mr. Chiu/gl/1032

The subject floodwalls have been analyzed and Q-files were hand carried to ED-DD on 6 and 11 Feb 87.

RODNEY P. PICCIOLA
Chief, Foundations & Materials Branch

CF: LMNED-DD



Q-File
BRW12
BRW18

Floodside section is the same as ^{the} I-wall section previously furnished.

Reach B
Recurved wall/concrete block on floodside.

DISPOSITION FORM

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

REFERENCE OR OFFICE SYMBOL

LMNED-SP

SUBJECT

Lake Pontchartrain, La. & Vic Hurricane Protection Project:
GDM No. 17, Jefferson Parish Lakefront Levee - Floodwall
(Recurved Wall) - Reaches A and C

TO

C/H&H Br

FROM

C/Des Svcs Br

DATE

29 Jan 87
Mr. Stutts/pas/2614

CMT 1

1. Reference is made to the 28 Jan 87 conversation between Mr. Jay Combe of your office and Mr. Vann Stutts of our office concerning the subject recurved wall designs.
2. As discussed with Mr. Combe, Design Br has developed cost estimates for two wall in levee alternatives for the Jefferson Parish Lakefront. These plans employ the following combinations of wall types: Plan 1 uses I-wall in levee for Reaches A and C with a T-wall for Reach B; Plan 2 uses I-wall in levee for Reaches A and C with a recurved wall for Reach B. The recurved wall, plan 2, is about \$10 million cheaper than plan 1. We want to consider an additional plan which would employ the recurved wall design on Reaches A and C. It is felt that the recurved design will offer some advantages over the standard I-wall in levee: lower overall height, savings in sheet pile penetration; less earthwork; and hopefully, less overall cost.
3. Our revised schedule for the GDM requires that we make a decision on the "tentatively selected plan" by 17 Feb 87; therefore, I must have your H&H input for the work described in para 2 above ASAP. Accordingly, it is requested that the recurved wall design be provided NLT 4 Feb 87.
4. If you have any questions concerning this request, please contact Mr. Stutts on ext. 2614.


THOMAS E. HARRINGTON, JR.
Chief, Design Services Branch

LMNED-HC

TO C/Des Svcs Br

FROM C/H&H Br

DATE 5 Feb 87
Ms. Hote/beb/2489

CMT 1

As requested, we have analyzed a recurved wall constructed in the minimum existing cross-section for Reaches A, and C. In both cases the wall height would be 16.5 ft NGVD. A sample cross-section and wave force for Reach A is encl 1; encl 2 is the same information for Reach C.

2 encls (added)


CECIL W. SOILEAU
Chief, Hydraulics & Hydrologic Branch

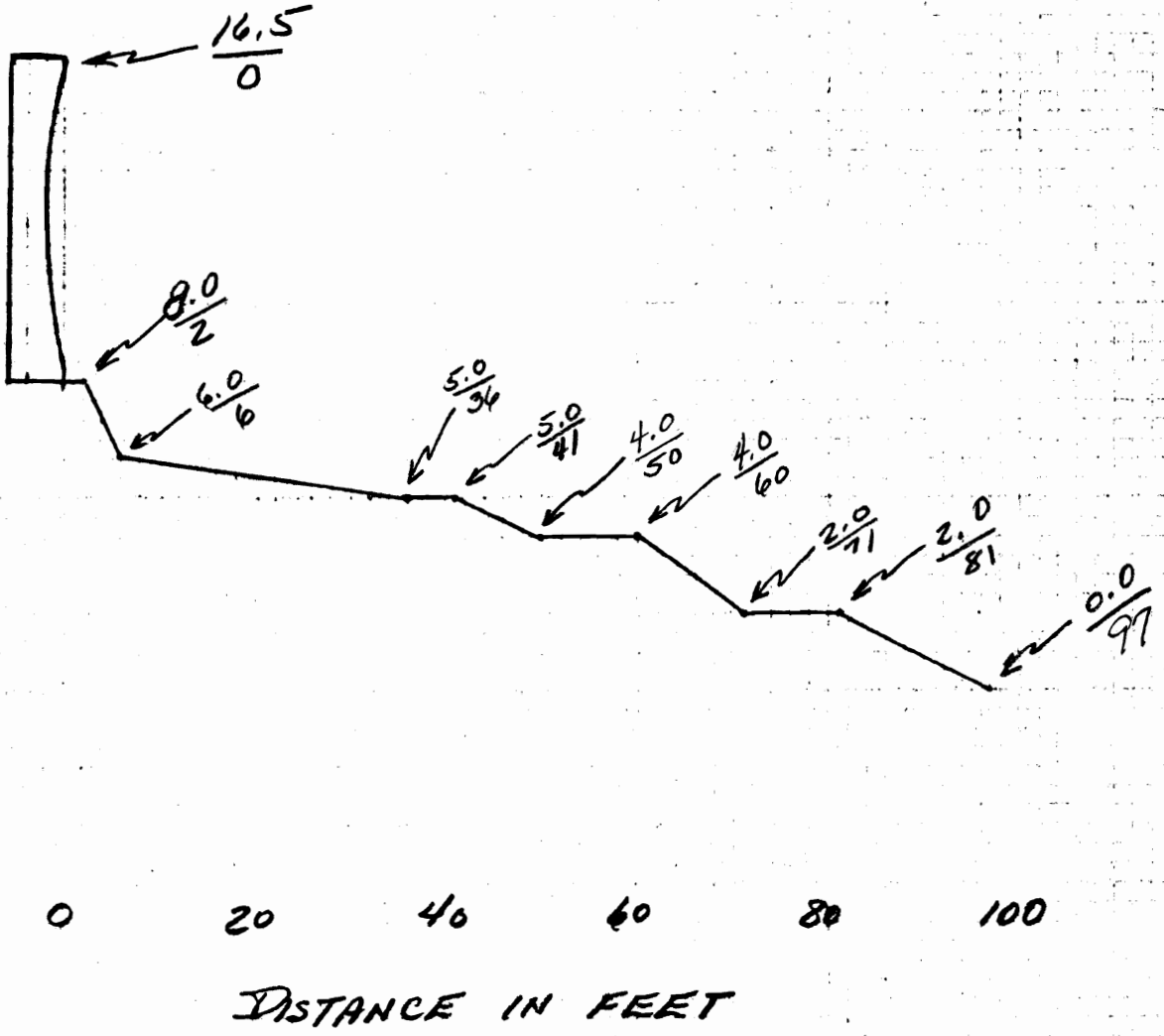


COMPUTATION SHEET

PROJECT	JEFF. PAR. LAKEFRONT HLP	PAGE	OF	COMPUTED BY	DATE
SUBJECT	REACH A- Recurved Wall on +8 FT. LEVEE			CHECKED BY	DATE

ELEVATION IN FEET

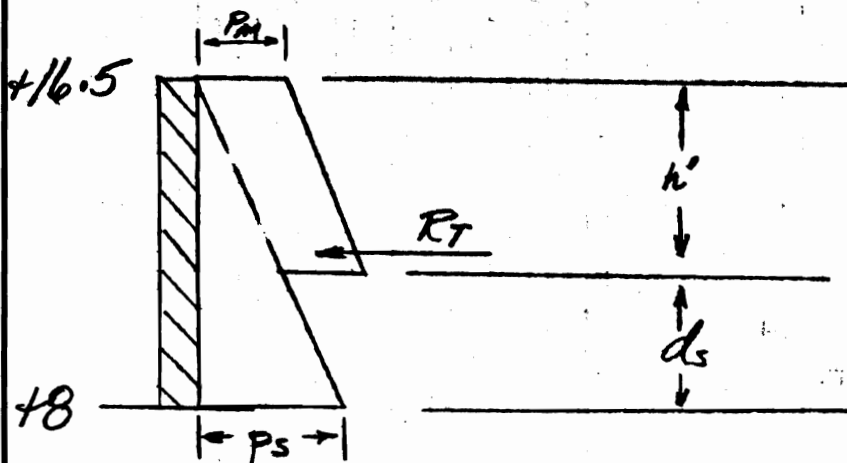
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DISTANCE IN FEET

Emel

PROJECT	JEFF PARISH LAKEFRONT H/LA	PAGE	OF	COMPUTED BY	DATE
SUBJECT	REACH A - Recurved Wall on +8 FT LEVEL	CHECKED BY			DATE



$$\begin{aligned}
 SLO &= 11.5 \\
 H_i &= 10.7 \\
 d_b &= 13.1 \\
 h_c &= .78(H_i) = 8.3 \\
 d_s &= 11.5 - 8 = 3.5
 \end{aligned}$$

$$h' = 16.5 - 11.5 = 5.0$$

$$p_s = w(d_s + h_c) = 64(3.5 + 8.3) = 755 \text{ \#/ft}^2$$

$$p_m = w d_b / 2 = 64(13.1) / 2 = 420 \text{ \#/ft}^2$$

$$R_s = p_s (d_s + h') / 2 = 755(3.5 + 5) / 2 = 3210 \text{ \#/ft}$$

$$R_m = p_m h' = 420(5) = 2100 \text{ \#/ft}$$

$$R_T = R_s + R_m = 3210 + 2100 = 5310 \text{ \#/ft}$$

$$M_s = R_s (d_s + h') / 3 = 3210(3.5 + 5) / 3 = 9100 \text{ ft\#/ft}$$

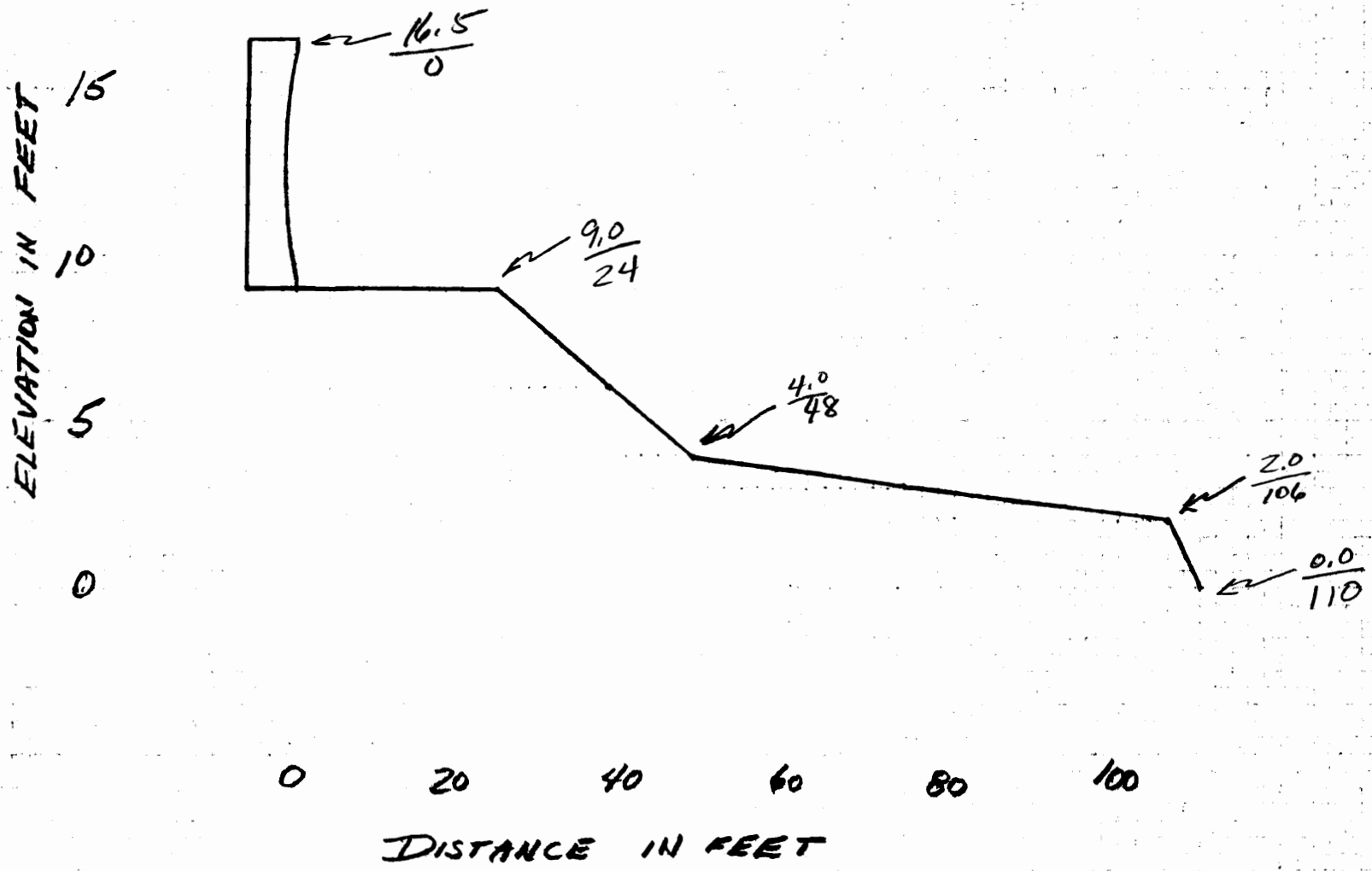
$$M_m = R_m (d_s + h'/2) = 2100(3.5 + 5/2) = 12600 \text{ ft\#/ft}$$

$$M_T = M_s + M_m = 9100 + 12600 = 21700 \text{ ft\#/ft}$$

$$X_R = \frac{M_T}{R_T} = \frac{21700}{5310} = 4.1 + 8 = 12.1 \text{ ft. neg. v.d.}$$

COMPUTATION SHEET

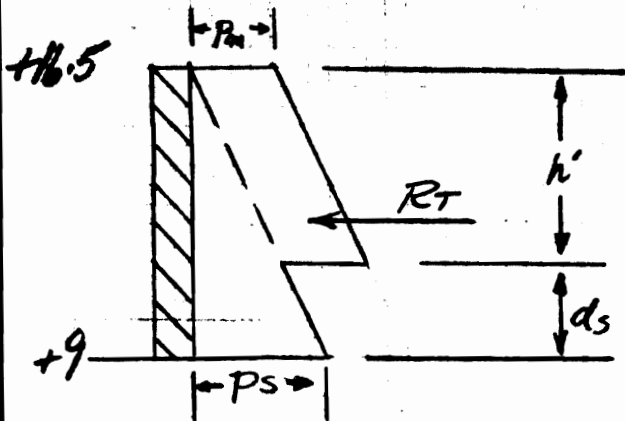
PROJECT	JEFF PARR LAKEFRONT HLP	PAGE	OF	COMPUTED BY	DATE
SUBJECT	REACH C - Recurved Wall on +9 FT LWF			CHECKED BY	DATE



Emel Z

COMPUTATION SHEET

PROJECT	JEFF PARISH LAKEFRONT HLP	PAGE	OF	COMPUTED BY	DATE
SUBJECT	PEACH C - Recurved Wall ON +9 FT LEVEE	CHECKED BY			DATE



$$SWL = 11.5$$

$$H_i = 10.7$$

$$d_B = 13.1$$

$$h_c = .78(H_i) = 8.3$$

$$d_s = 11.5 - 9 = 2.5$$

$$h' = 16.5 - 11.5 = 5.0$$

$$P_s = w(d_s + h_c) = 64(2.5 + 8.3) = 690 \text{ \#/ft}^2$$

$$P_m = w d_B / 2 = 64(13.1) / 2 = 420 \text{ \#/ft}^2$$

$$R_s = P_s(d_s + h') / 2 = 690(2.5 + 5) / 2 = 2590 \text{ \#/ft}$$

$$R_m = P_m h' = 420(5) = 2100 \text{ \#/ft}$$

$$R_T = R_s + R_m = 2590 + 2100 = 4690 \text{ \#/ft}$$

$$M_s = R_s(d_s + h') / 3 = 2590(2.5 + 5) / 3 = 6480 \text{ ft\#/ft}$$

$$M_m = R_m(d_s + h'/2) = 2100(2.5 + 5/2) = 10500 \text{ ft\#/ft}$$

$$M_T = M_s + M_m = 6480 + 10500 = 16980 \text{ ft\#/ft}$$

$$X_{RT} = \frac{M_T}{R_T} = \frac{16980}{4690} = 3.6 + 9 = 12.6 \text{ ft. mgud}$$

LMNED-SP

Lake Pontchartrain, La. & Vicinity Hurricane Protection Project
Jefferson Parish Lakefront Levee - Drafting Request

C/Drafting Sec

C/Projs Engr Sec

2 Feb 87
Mr. Stutts/pas/2614

1. Reference is made to the 2 Feb 87 meeting between you and Messers Ren Elmer and Vann Stutts of Projects Engineering Section concerning the subject request for drafting service.
2. As per referenced conversation, it is requested that you add the appropriate ~~total~~ blocks to each plate and if corrections are shown on the blue line prints, please make the appropriate change on the originals. Approximately 76 plates were furnished at the referenced meeting.
3. It is requested that the above drafting work be accomplished ASAP but should be complete by 27 Feb 87.
4. Your hired labor charges should be charged to Account No. BEC23304L10A00. Should you have any questions concerning this request, please contact Mr. Vann Stutts on ext. 2614.

Encl
(hand carried)

ERNEST E. BARTON
Chief, Projects Engineering Section

*By
Stutts*

LMNED-SP

Lake Pontchartrain, La. & Vicinity Hurricane Protection Project
Jefferson Parish Lakefront Levee - Drafting Request

C/Drafting Sec

C/Projs Engr Sec

2 Feb 87
Mr. Stutts/pas/2614

1. Reference is made to the 2 Feb 87 meeting between you and Messers Ron Elmer and Vann Stutts of Projects Engineering Section concerning the subject request for drafting service.
2. As per referenced conversation, it is requested that you add the appropriate ~~total~~ blocks to each plate and if correction are shown on the blue line prints, please ~~make~~ the appropriate change on the originals. Approximately 76 plates were furnished at the referenced meeting.
3. It is requested that the above drafting work be accomplished ASAP but should be complete by 27 Feb 87.
4. Your hired labor changes should be charged to Account No. BEC2330/L10A00. Should you have any questions concerning this request, please contact Mr. Vann Stutts on ext. 2614.

Encl
(hand carried)

ERNEST E. BARTON
Chief, Projects Engineering Section

Lake Pontchartrain La & Vic Areas Protection
Project - Jefferson Parish relief fund
here

Hand Carried to Ernest Arndt
2 Feb 87 approximately 76 plates

Nos D5 — D24 & B, — B54 plus B52A

Single Title Blk Attached

DTJ

MATCH SHEET 2-STA. 70+

10
5
0
ELEVATIONS IN FEET N.G.V.D.

LAKE PONTCHARTRAIN, LA. AND VICINITY
HIGH LEVEL PLAN
DESIGN MEMORANDUM NO.17 - GENERAL DESIGN
JEFFERSON PARISH LAKEFRONT LEVEE
PLAN AND PROFILE
STA. 0+00 B/L TO STA. 70+00 B/L
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS
CORPS OF ENGINEERS

SHEET 2 OF SHEETS
FILE NO. H-2-30148

SHEET 2

DISPOSITION FORM

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

REFERENCE OR OFFICE SYMBOL
LMNED-SP

SUBJECT
Lake Pontchartrain, La. & Vicinity Hurricane Protection project
Jefferson Parish Lakefront Levee - Reach B Recurved Wall Plan

TO C/F&M Br *J.P. 1/27*

FROM C/Des Svcs Br

DATE 23 Jan 87
Mr. *Stuts* pas/2614

CMT 1

1. Reference is made to 20 Jan 87 meeting attended by your Messers Jim Richards and Phil Napolitano concerning, among other things, the design of the subject wall.
2. As per referenced meeting, it is requested that your office examine the foundation stability of the subject recurved wall. We wish to apply the design, first, to reach B and if cost effective, we may want to consider a similar designs for Reaches A&C.
3. Your input to Design Branch is needed ASAP but should be provided NLT 27 Jan 87.

Thomas E. Harrington, Jr.
THOMAS E. HARRINGTON, JR.
Chief, Design Services Branch

LMNED-FS

TO: C/Des Svcs Br

FROM C/F&M Br

DATE 27 Jan 87
Mr. Chiu/gl/1032

CMT 2

Foundation design for the recurved wall is furnished as requested.

GR JR

Ronney P. Picciola
RONNEY P. PICCIOLA
Chief, Foundations and Material Branch

1 Encl
Recurved Wall, Reach B

LMNED-SP

Lake Pontchartrain, La. & Vicinity Hurricane Protection project
Jefferson Parish Lakefront Levee - Reach B Recurved Wall Plan

C/F&M Br

C/Des Svcs Br

23 Jan 87
Mr. Stutts/pas/2614

1. Reference is made to 20 Jan 87 meeting attended by your Messers Jim Richards and Phil Napolitano concerning, among ~~other~~ things, the design of the subject wall.
2. As per referenced meeting, it is requested that your office examine the foundation stability of the subject recurved wall. We wish to apply the design, first, to reach B and if cost effective, we may want to consider a similar designs for Reaches A&C.
3. Your input to Design Branch is needed ASAP but should be provided NLT 27 Jan 87.

THOMAS E. HARRINGTON, JR.
Chief, Design Services Branch

LMNED-FS

TO: C/Des Svcs Br

FROM C/F&M Br

DATE 27 Jan 87
Mr. Chiu/gl/1032

CMT 2

Foundation design for the recurved wall is furnished as requested.

1 Encl
Recurved Wall, Reach B

RODNEY P. PICCIOLA
Chief, Foundations and Material Branch


DISPOSITION FORM

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

REFERENCE OR OFFICE SYMBOL LMNED-FS	SUBJECT Lake Pontchartrain LA & Vicinity Hurricane Protection Project, Jefferson Parish Lakefront High Level Plan Levee, GDM No. 17
--	---

TO C/Design Branch FROM C/F&M Branch DATE 22 Jan 87 CMT 1
Mr. Chiu/veb/1032

1. Reference 25 Nov 86 meeting in ED-SP office among ED-DD, ED-DL, ED-HC, ED-FS and ED-SP personnel on the subject GDM.
2. Furnished as encls 1,2, & 3 are completed designs of Reaches A, B, and C as discussed in the above meeting. Levee design sections for Reaches A, B, and C and I-Wall design for Reach A were hand-carried to your ED-DL and ED-DD in early December 1986. I-Wall designs on Reaches B and C were furnished to your ED-DD on 14, 15, and 16 Jan 87 based on the hydraulic information we received on 13 Jan 87.
3. Please let us know whether the I-Wall or T-Wall design will be the recommended plan so we can proceed to prepare the design plates for the GDM.


RODNEY F. PICCIOLA
Chief, Foundations and Materials Branch

- 3 Encls
- 1. Reach A
- 2. Reach B
- 3. Reach C

CF: W/D ENCL
LMNED-SP ✓

LMNED-SP

Lake Pontchartrain, La. & Vicinity Hurricane Protection project
Jefferson Parish Lakefront Levee - Reach B Recurved Wall Plan

C/F&M Br

C/Des Svcs Br

23 Jan 87
Mr. Stutts/pas/2614

1. Reference is made to 20 Jan 87 meeting attended by your Messers Jim Richards and Phil Napolitano concerning, among ~~other~~ things, the design of the subject wall.
2. As per referenced meeting, it is requested that your office examine the foundation stability of the subject recurved wall. We wish to apply the design, first, to reach B and if cost effective, we may want to consider a similar designs for Reaches A&C.
3. Your input to Design Branch is needed ASAP but should be provided NLT 27 Jan 87.

THOMAS E. HARRINGTON, JR.
Chief, Design Services Branch

ST
STUTTS
LMNED-SP
93
BARTON
LMNED-SP
2023
HARRINGTON
LMNED-S

DISPOSITION FORM

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

REFERENCE OR OFFICE SYMBOL

LMNED-HC

SUBJECT

Lake Pontchartrain, La. & Vic. Hurricane Protection
Project HLP Jefferson Parish Lakefront Line DM# 17

TO C/Des Sves Br

FROM C/H+H Br

DATE 12 Jan 87

CMT4

Hote/2489

In response to CMT 3 and several conversations between Mr. Stutta of your branch and Ms. Hote of H+H Br, the following order of work has been established. Wall heights for Reaches Band C of the Jefferson Parish lakefront line will be provided by 15 Jan 87. Our GDM writeup for HLP Jefferson - St. Charles return line will be provided by 15 ^{Feb} 87. Our GDM writeup for the Jefferson lakefront line will be provided by 1 Mar 87. Mr. Stutta has agreed with this priority of work.

Soileau
CECIL W. SOILEAU
Ch, H+H Br.

DISPOSITION FORM

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

REFERENCE OR OFFICE SYMBOL

LMNED-HC

SUBJECT

Lake Pontchartrain, La. + Vic. Hurricane Protection
Project HLP Jefferson Parish Lakefront Line DM# 17

TO C/Des Sves Br

FROM C/H+H Br

DATE 12 Jan 87

CMT 4

Hote/2489

In response to CMT 3 and several conversations between Mr. Stutta of your branch and Ms. Hote of H+H Br, the following order of work has been established. Wall heights for Reaches Band C of the Jefferson Parish Lakefront Line will be provided by 15 Jan 87. Our GDM writup for HLP Jefferson - St. Charles return line will be provided by 15 Feb 87. Our GDM writup for the Jefferson Lakefront Line will be provided by 1 Mar 87. Mr. Stutta has agreed with this priority of work.

CECIL W. SOILEAU
Ch, H+H Br.

LMNED-SP

SUBJECT: Lake Pontchartrain, La. & Vic Hurricane Protection Project HLP Jefferson
Parish Lakefront Levee DM #17

TO C/H&H Br

FROM: C/Des Svcs Br

31 Dec 86 CMT 3
Mr. *Stutts*/pas/2614

Please provide status of the Hyd & Hydro Branch input to the subject GDM. It is recognized that a number of your employees who had been working on the subject report were detailed to work on developing information requested by OPW relative to FEMA program for Jefferson Parish. Please provide me the new date that you expect to provide your H&H input.

Thomas E. Harrington, Jr.
THOMAS E. HARRINGTON, JR.
Chief, Design Services Branch

DISPOSITION FORM

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

REFERENCE OR OFFICE SYMBOL

LMNED-SP

SUBJECT

Lake Pontchartrain, La. & Vic Hurricane Protection Project
HLP Jefferson Parish Lakefront Levee DM #17

TO C/Hyd & Hydro Br

FROM C/Des Svcs Br

DATE 5 Nov 86

CMT 1

MS
Ms. Stuts/pas/2614

1. Reference is made to the enclosed schedule for the subject DM.
2. Your Hyd & Hydro write up for the subject report was due in this office NLT COB 31 Oct 86.
3. Please provide this office with the status of this work ASAP but NLT COB 10 Nov 86.

Encl

Thomas E. Harrington, Jr.
THOMAS E. HARRINGTON, JR.
Chief, Design Services Branch

LMNED-HC

TO C/Des Svcs Br

FROM C/H&H Br

DATE 20 Nov 86

CMT 2

Ms. Hote/beb/2489
gmt

As of this date the design cross-sections for all reaches of the Lakefront Levee have not been finalized. Also, a decision on the design for Pumping Station No. 3 has not yet been made. On 11/19/86 it was decided that more runup computations were required of H&H Branch to optimize an I-wall or T-wall design. This requires significant input from H&H Branch. We can provide our GDM writeup by 15 Dec 86 if the computations proceed smoothly without requests for additional designs.

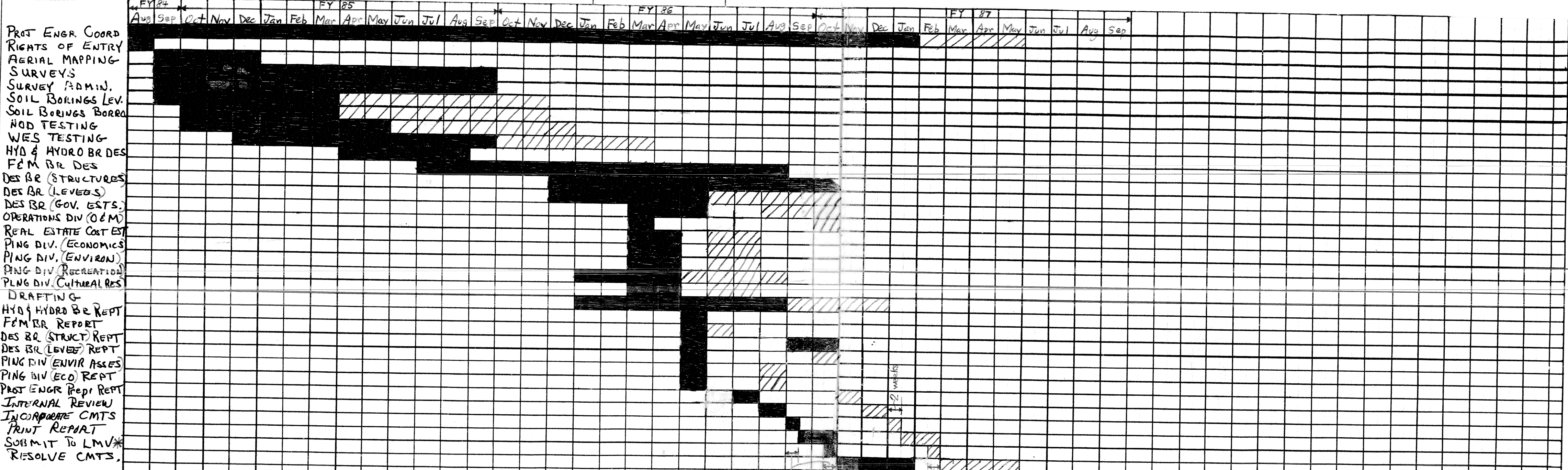
Encl(wd)

ne

Cecil W. Soileau
CECIL W. SOILEAU
Chief, Hydraulics & Hydrologic Branch



PROJECT Lake Pontchartrain, La. & Vicinity (High Level Plan) PAGE 1 OF 1 COMPUTED BY Walter F. Teckemeyer DATE 24 Jun 86
 SUBJECT Jefferson Parish Lakefront Levee - GDM Schedule CHECKED BY _____ DATE _____



*Includes routing of Letter of Transmittal

CELMM-RE-AP (405-90h)

Lake Pontchartrain and Vicinity, Jefferson Lakefront Levee,
Jefferson Parish, Louisiana

C/Engr Div

C/Real Est Div

29 Jun 88

Mrs. Williams/ma/2864

1. DP, CELMM-ED-FS, dated 23 Mar 88, requested right of entry to conduct three soil borings at stations 266+50, 314+75, and 284+10 of the Lake Pontchartrain and Vicinity, Jefferson Lakefront Levee, Jefferson Parish, Louisiana.
2. By letter dated 20 Jun 88 and Resolution dated 20 Jun 88, the East Jefferson Levee District granted right of entry. Therefore, right of entry is available.
3. This completes right of entry as requested.

THAD J. BRONK
Chief, Real Estate Division

CP:

CELMM-ED-SS

✓CELMM-ED-SP

CELMM-ED-FS

CELMM-NO

CELMM-RE-P

CELMM-RE-AC

CELMN-RE-AP (405-10h)

Lake Pontchartrain, Louisiana and Vicinity High Level Plan,
Jefferson Lakefront Levee (Baseline Station 221+45 to
Baseline Station 343+50) 1st Lift, Jefferson Parish, Louisiana
C/Real Est Div 28 Jun 88

C/Engr Div

Mrs. Williams/ef/2864

1. DP, CELMN-ED-DL, dated 16 May 88, requested right of entry to perform surveys in connection with the Lake Pontchartrain, Louisiana and Vicinity High Level Plan, Jefferson Lakefront Levee (Baseline Station 221+45 to Baseline Station 343+50) 1st Lift, Jefferson Parish, Louisiana.
2. By letter dated 20 Jun 88 and Resolution dated 20 Jun 88, the East Jefferson Levee District granted right of entry. Therefore, right of entry is available.
3. This completes right of entry as requested.

THAD J. BROWN
Chief, Real Estate Division

CP:

CELMN-ED-DL

✓ CELMN-ED-SP

CELMN-ED-SS

CELMN-ED-CD

CELMN-ED-SD

CELMN-NO

CELMN-RU-P

CELMN-RE-AC

BURK AND ASSOCIATES, INC.

M E M O R A N D U M

TO: City of Kenner, Administration and Council

FROM: Burk and Associates, Inc.

SUBJECT: Proposed Levee Expansion on Lakefront: Meeting with
Corps of Engineers on June 17, 1985

DATE: June 27, 1985

JOB: 7817-15

A meeting was conducted between the City of Kenner and representatives of the Corps of Engineers on Monday, June 17, 1985 in the City's Department of Public Works office at 10:00 AM, to discuss the Corps' proposed levee expansion on Lake Pontchartrain in Jefferson Parish. The following persons were in attendance:

<u>NAME</u>	<u>ORGANIZATION</u>
Donald H. Crimen	City of Kenner
John Lavarine	City of Kenner
Bruce L. Badon	Burk and Associates, Inc.
D. Vann Stutts	Corps of Engineers
Steve Fennigann	Corps of Engineers
Jorge Romero	Corps of Engineers
Ron Lee	Corps of Engineers

The meeting lasted about one hour during which the following points were discussed.

- (1) The Corps is in the early, preliminary stages of planning the project. No design has begun and no major decisions have yet been made.
- (2) The proposed expansion would increase the base of the levee 200-300 feet toward the lake. This would also shift the centerline of the levee crown slightly toward the lake. According to the Corps, the height of the levee will be increased from the present 10' to 14' MSL.
- (3) The major effect of the expansion will be to destroy the existing Linear Park bike path. The Corps said the path will be relocated during construction (temporarily) and then reconstructed after completion of the project. The Corps was not certain of the locations of the temporary or final reconstructions of the path.

BURK AND ASSOCIATES, INC.

M E M O R A N D U M

B&A Job No. 7817-15

June 27, 1985

Page 2

- (4) Construction of the levee will begin within 3-5 years. Planning and design will occur prior to that time. The Corps was not clear as to how long construction would take since it will depend upon how the contract(s) is awarded. Also, they did not know which end of the project would start first.
- (5) The dredging would likely be done by hydraulic dredge. the project would be done in a number of "lifts" and a waiting period of at least a year will separate each lift to allow settling of the fill material. Fill will be obtained by dredging lake bottom; the Corps is now in the process of obtaining soil boring data from the lake.
- (6) The Corps says the entire Jefferson Parish portion of the project will cost about \$120 million.
- (7) Don Crimen emphasized that the City desired that effects on the existing Williams Blvd. boat launch be minimized or completely avoided. The Corps responded that it was possible to design an "I-Wall", instead of expanding the levee, at the boat launch. The wall would extend upwards from the levee about 8.0', with opening(s) to the boat launch being provided by moveable floodgates. Crimen mentioned that two levee crossings are indicated on plans for the boat launch; the Corps said it would keep that in mind during planning of the levee project. Jorge Romero of the Corps indicated that even if a floodwall is used at the boat launch it may still be necessary to expand the levee slightly toward the launch. Details of this will have to be worked out during design.
- (8) The Corps mentioned that it may be possible for the City to receive some funding assistance from the Corps during construction of the levee for recreation improvements. These funds would be on a 50/50 cost-sharing basis and would have to be included in the levee project budget. In order to be eligible, the City would have to become a "co-assurer" of the levee project and send a "letter of interest" to the Corps. (See proposed letter attached dated June 26, 1985.)

March 7, 1986

Operations Division
Flood Control

Mr. John Lauricella, Jr., President
Board of Commissioners
East Jefferson Levee District
203 Plauche Court
Harahan, Louisiana 70123

Dear Mr. Lauricella:

Please reference our letter of no objection to you dated July 16, 1985, regarding a Department of the Army permit request from Burk and Associates, Inc., on behalf of the City of Kenner, concerning permission to construct a breakwater and install fill material for a recreational area adjacent to the Williams Boulevard boat launch and Lake Pontchartrain lakefront levee (Item B), vicinity of levee station 402+96, at Kenner, Louisiana, in Jefferson Parish.

Subsequently, we have received a letter request dated December 23, 1985, copy enclosed, from Burk and Associates, Inc., requesting approval for revisions to the original plans to include a reef structure constructed of clam shell and riprap. We have no objection to your Board's issuance of a permit for that portion of the revised proposal which is under the jurisdiction of your Board provided:

a. The work is accomplished in accordance with the above referenced letter dated December 23, 1985, and accompanying revised drawings, in two sheets, dated December 1985.

b. That all provisions of our original letter of no objection dated July 16, 1985, referenced above, remain in effect.

This letter of no objection is based upon engineering criteria, and no interpretation or comments regarding local laws, zoning, or ordinances concerning property rights, etc., have been made. Additionally, this letter of no objection does not obviate the applicant's requirement to obtain federal, state, or local permits required by law, and no work should commence until all necessary permits are acquired.

BK

abc

Please furnish this office a copy of your permit if the applicant's proposal is approved by your Board.

Sincerely,

previously logged

G. J. Nettles
Chief, Operations Division

17/5
BALDINI
LMNOD-OP
[Signature]
CLEMENT
LMNOD-O
b
NETTLES
LMNOD *[Signature]*

Enclosure

Copies Furnished:

- LA DOTD, Baton Rouge
- LA DOTD, New Orleans
- Burk and Associates
- C/Engr Div
- Resident Engr, NORO
- C/Reg Func Br

Ronnie Elmer
2618

July 16, 1985

Operations Division
Flood Control

Mr. John Lauricella, Jr., President
Board of Commissioners
East Jefferson Levee District
5333 River Road, Suite C
Harahan, Louisiana 70123

Dear Mr. Lauricella:

We have received an application for a Department of the Army permit dated March 27, 1985, along with a copy of a letter request dated April 8, 1985, similar request sent to your Board, from Bark and Associates, Inc., on behalf of the City of Kenner, concerning permission to construct a breakwater and install fill material for a recreational area adjacent to the Williams Boulevard boat launch and Lake Pontchartrain lakefront levee (Item B), vicinity of levee station 402+96, at Kenner, Louisiana, in Jefferson Parish.

We have no objection to your Board's issuance of a permit for that portion of the proposed work which is under your jurisdiction provided the work is accomplished in accordance with the above referenced letter, application and accompanying drawings, in three sheets.

The applicant should be advised that the Lake Pontchartrain High-Level Protection Plan for this area has not been finalized, and it is possible the proposed facilities may be affected by the new levee design.

This letter of no objection is based upon engineering criteria, and no interpretation or comments regarding local laws, zoning, or ordinances concerning property rights, etc., have been made. Additionally, this letter of no objection does not obviate the applicant's requirement to obtain federal, state, or local permits required by law, and no work should commence until all necessary permits are acquired.

OK

Please furnish this office a copy of your permit if the applicant's proposal is approved by your Board.

Sincerely,

x hml

C. J. Nettles
Chief, Operations Division

Copies Furnished:

LA DOTD, Baton Rouge
LA DOTD, New Orleans
Bark and Associates

C/Engr Div
Resident Engr, NORO
C/Reg Func Br

17/5
BALDINI
LMNOD-OP
17/5
CLEMENT
LMNOD-O
17/5
SCHORR
LMNOD-A
17/5
NETTLES
LMNOD

KENNER, CITY OF

SUBJECT : Permit request by the City of Kenner to install and maintain a bulkhead and fill to protect the existing Williams Blvd. boat launch from erosion in Lake Pontchartrain, Kenner, LA., Jefferson Parish.

LMNOD-OP

TO C/Reg Func Br


FROM C/Proj Ops Br

DATE 5 MAR 86 CMT 7
Mr. Keller/2344

Applicants plans are acceptable and a letter of no objection is being forwarded to the appropriate levee district.

2 Encl

n.c.


D.J. CLEMENT
Chief, Proj Ops Br

LMNOD-SP (Lake Pontchartrain) 231

SUBJECT: Permit request by the City of Kenner to install and maintain a bulkhead and fill to protect the existing Williams Blvd. boat launch from erosion in Lake Pontchartrain, Kenner, LA., Jefferson, Parish.

LMNOD-OP

TO C/Ops Br

FROM C/Reg Functions Br

DATE 15 JULY 85 CMT 4
Mr. Keller / 2344

Application is more acceptable and a letter of no objection is being forwarded to the appropriate Police District.

D.J. Clement
D.J. CLEMENT
Chief, Project Operations Branch

TO C/Engg Div

FROM C/Reg Functions Br
Ops Div

DATE 6 Feb 86 CMT 5
Mr. Hall / 2299

Forwarded for comment and return are additional drawings showing the proposed reef structure which are being added as a mitigation work.

Ronald J. Ventola
RONALD J. VENTOLA
Chief, Regulatory Functions Branch

2 Incl

Added 1 enclosure

2. Mitigation dwgs -

To C/Operations Div

From C/Engineering Div

Date 27 Feb 86
Mr. Lee / 2717 cmt 6

Comment 2, dated 13 May 85 still applies.

2 Incl.
N.C.

F.M. Chatry
F.M. Chatry
Chief, Engineering Div.

BS
BS
8/10/85

DISPOSITION FORM

U-30

For use of this form see AR 340.15 the proponent agency is TAGO

REFERENCE OR OFFICE SYMBOL LMNOD-SP (Lake Pontchartrain) 231	SUBJECT Permit request by the City of Kenner to install and maintain a bulkhead and fill to protect the existing Wms. Blvd. boat launch from erosion in Lake Pontchartrain, Kenner, LA, Jefferson Parish
--	--

TO ✓ TO C/Engg Div -C/Plng-Div-	FROM C/Reg Func Br Ops Div	DATE 24 Apr 85 Hall/22 99	CMT 1 CMT 1 J
---------------------------------------	----------------------------------	---------------------------------	------------------

for *M. Martinez*
RONALD J. VENTOLA
Chief, Regulatory Functions Branch

INCL
Appx + Drawgs

23 JUL 1985

TO C/Operations Division FROM C/Engineering Division DATE 13 May 85 CMT 2
enc Ms Cotton/2058

The Engineering Division has no adverse comments regarding the subject permit request. However, the applicant(s) should keep in mind that final plans for the Lake Pontchartrain & Vicinity Hurricane Protection Levee along the lake in the subject area have not been finalized and the levee design could possibly adversely affect the subject bulkhead and fill project.

CF
Chief / FIM Br

Seal
McCarthy
Chief, Engr. Div

RRK
BS
6/20/85

TO C/Proj Ops Br FROM C/Reg Func Br. DATE 9 Jul 85 CMT 3
Hall/22 99

Forwarded for comment and return. Please forward a letter of no objection to the appropriate levee board if the applicant's plans are acceptable.

for *M. Martinez*
RONALD J. VENTOLA
Chief, Regulatory Functions Branch

PRESIDENT

WILLIAM R. BURK, III, PE

EXECUTIVE VICE PRESIDENTS

THOMAS L. JACKSON, PE, LS

GEORGE C. KLEINPETER, JR., PE

VICE PRESIDENTS

JAMES W. ARMBRUSTER

JEAN H. BURK

CHAIRMAN OF THE BOARD

WILLIAM R. BURK, JR., PE, LS

BURK AND ASSOCIATES, INC.

ENGINEERS, PLANNERS, ENVIRONMENTAL SCIENTISTS

4176 CANAL STREET

NEW ORLEANS, LOUISIANA 70119-5994

(504) 486-5901

P. O. BOX 19087 - NEW ORLEANS, LA. 70179

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B. JAMES LEGENDRE, JR., PE

SURESH I. SHAH, PE

DIRECTOR OF GRAPHICS

KEVIN J. BARRÉ

DIRECTOR OF PERSONNEL

PATRICK F. O'CONNOR

December 23, 1985

Mr. Ronald Ventola, Chief
Regulatory Functions Branch
New Orleans District
Corps of Engineers
P. O. Box 60267
New Orleans, LA 70160

RE: City of Kenner
Williams Blvd. Recreation Area
B&A Job No. 7817-12-1
Corps # LP-231

Dear Mr. Ventola:

Please find attached additional drawings for the above referenced permit application for the City of Kenner. We believe this proposal addresses the concerns expressed by some review agencies. The total additional quantity of fill for this project is 8,154 C.Y. of clam/shell and rip-rap.

Yours truly,

BURK AND ASSOCIATES, INC.
Engineers, Planners and
Environmental Scientists



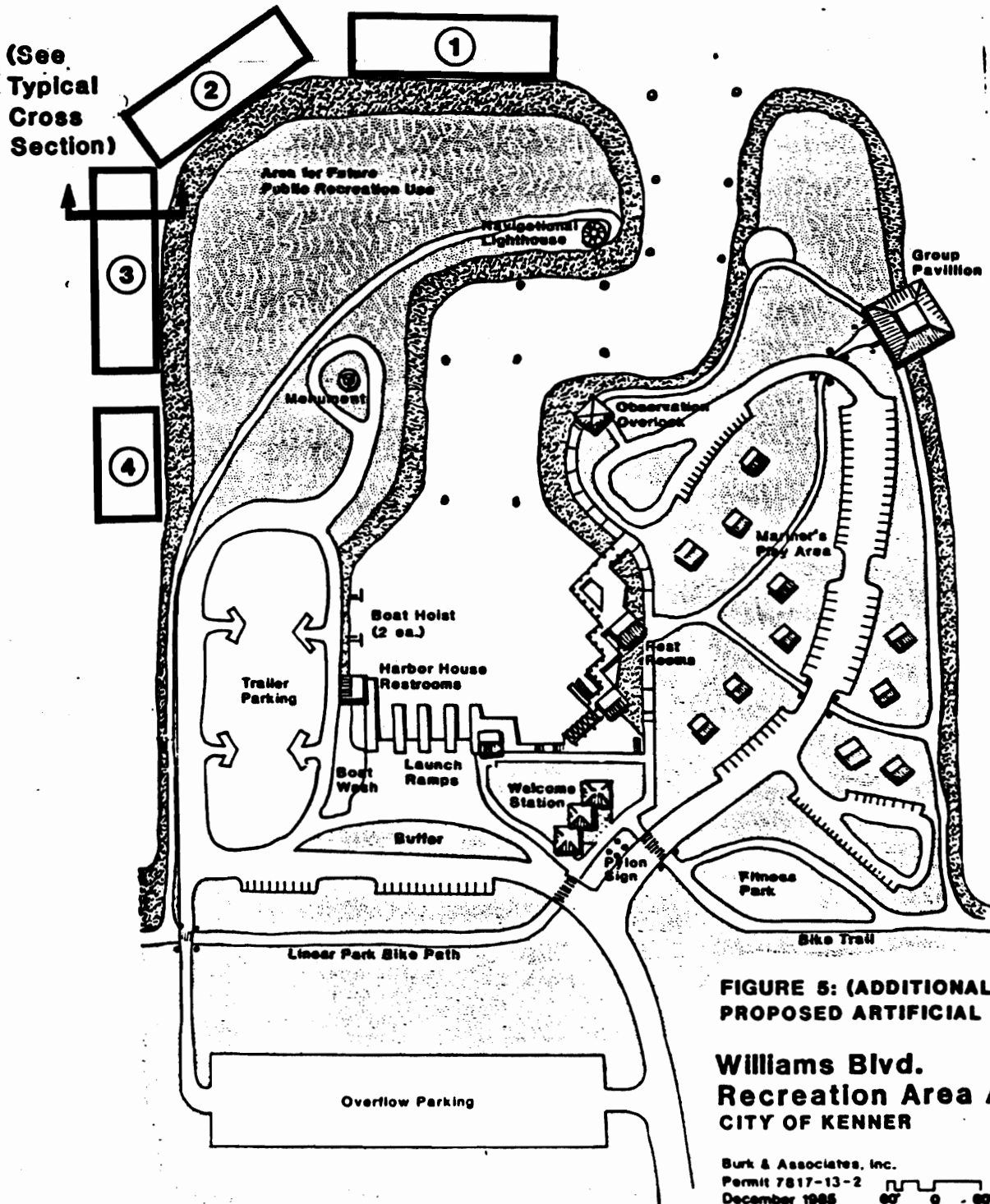
Bruce L. Badon
Associate

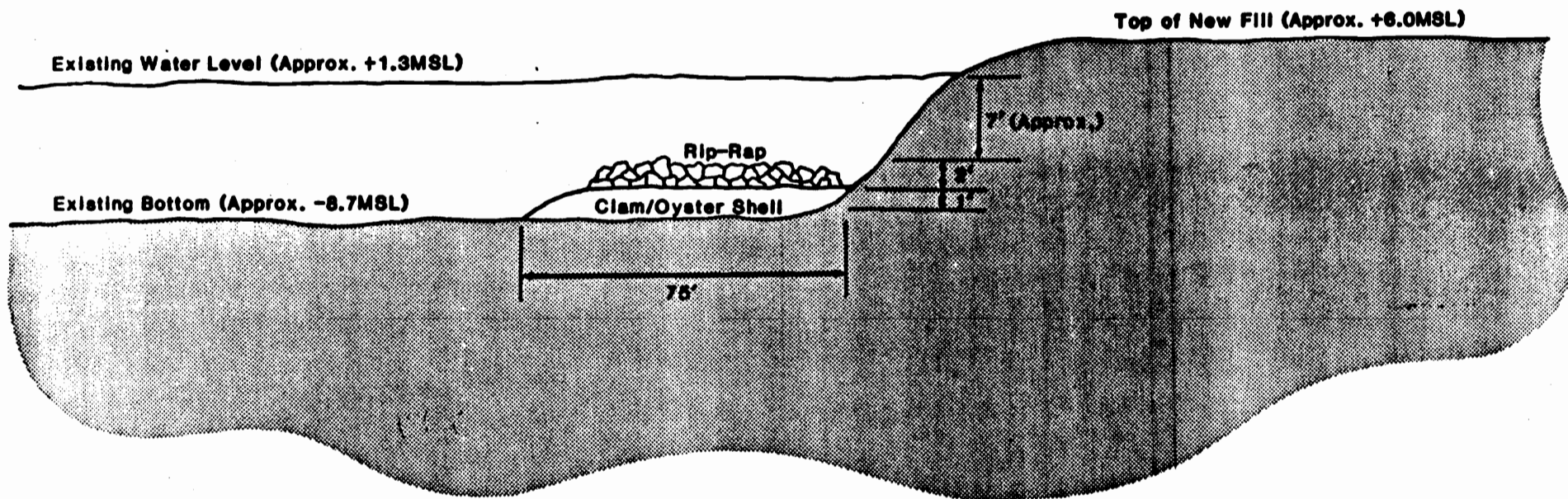
BLB/ptb
Attachments

cc: Hon. Aaron F. Broussard, Mayor
Mr. Roy Brondum, City of Kenner

PROPOSED REEF STRUCTURES

- ① 250'x75'=18,750SF (.43 ACRES)
- ② 230'x75'=17,250SF (.40 ACRES)
- ③ 250'x75'=18,750SF (.43 ACRES)
- ④ 142'x75'=10,650SF (.24 ACRES)





**FIGURE 6: (ADDITIONAL DRAWINGS)
TYPICAL CROSS SECTION
FOR REEF STRUCTURES**

**Williams Blvd.
Recreation Area Addition
CITY OF KENNER**

Burk & Associates, Inc.
Permit 7817-13-2
December 1985

Not to Scale

JIM R. BURK, III, PE
FIVE VICE PRESIDENTS
THOMAS L. JACKSON, PE, LS
GEORGE C. KLEINPETER, JR., PE
THREE PRESIDENTS
JAMES W. ARMBRUSTER
JEAN H. BURK

CHAIRMAN OF THE BOARD
WILLIAM R. BURK, JR., PE, LS

BURK AND ASSOCIATES, INC.
ENGINEERS, PLANNERS, ENVIRONMENTAL SCIENTISTS
4176 CANAL STREET
NEW ORLEANS, LOUISIANA 70119-5994
(504) 486-5901
P. O. BOX 19087-NEW ORLEANS, LA. 70179

85704

ASSOCIATES
JENS J. NIELSEN, PE, LS
JOSEPH H. PRANGE, JR., PE
BLAISE S. D'ANTONI, JR., PE
BRUCE L. BADON
MICHAEL G. JACKSON, PE
DOM P. DIXIT, PE

CHIEF FIELD ENGINEER
GASPER A. CHIFICI, PE
DIRECTOR OF GRAPHICS
KEVIN J. BARRÉ
DIRECTOR OF PERSONNEL
PATRICK F. O'CONNOR

April 8, 1985

Mr. Jim Reeves
State of Louisiana
Dept. of Environmental Quality
Coastal Management Division
P. O. Box 44124
Baton Rouge, LA 70804

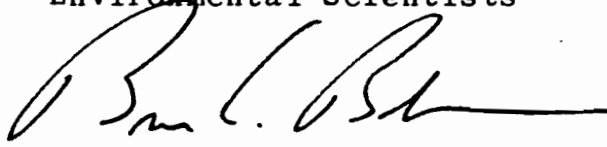
RE: Williams Blvd. Boat Launch
B&A Job No. 7817-12-1

Dear Mr. Reeves:

Please find enclosed an application by the City of Kenner for expansion and improvements to the existing Williams Blvd. Recreation Area on Lake Pontchartrain. Should you have any questions, please call our office.

Sincerely,

BURK AND ASSOCIATES, INC.
Engineers, Planners and
Environmental Scientists



Bruce L. Badon
Associate

T12-
P10E

BLB/ptb
Enclosure

cc: Mr. Roy Brondum
City of Kenner

190C

APPLICATION FOR DEPARTMENT OF THE ARMY PERMIT

(33 CFR 325)

OMB APPROVAL NO. 0702-0036

Expires 30 June 1986

The Department of the Army permit program is authorized by Section 10 of the River and Harbor Act of 1899, Section 404 of the Clean Water Act and Section 103 of the Marine, Protection, Research and Sanctuaries Act. These laws require permits authorizing activities in or affecting navigable waters of the United States, the discharge of dredged or fill material into waters of the United States, and the transportation of dredged material for the purpose of dumping it into ocean waters. Information provided on this form will be used in evaluating the application for a permit. Information in this application is made a matter of public record through issuance of a public notice. Disclosure of the information requested is voluntary; however, the data requested are necessary in order to communicate with the applicant and to evaluate the permit application. If necessary information is not provided, the permit application cannot be processed nor can a permit be issued.

25655

One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned.

<p>1. APPLICATION NUMBER (To be assigned by Corps)</p> <p>(Lake Pontchartrain) 231 Add'L Plans</p>	<p>3. NAME, ADDRESS, AND TITLE OF AUTHORIZED AGENT Burk and Associates, Inc. 4176 Canal Street New Orleans, LA 70119 ATTN: Bruce L. Badon, Associate Telephone no. during business hours</p> <p>A/C () _____ (Residence) A/C (504) 486-5901 _____ (Office)</p> <p>Statement of Authorization: I hereby designate and authorize <u>Burk & Associates, Inc.</u> to act in my behalf as my agent in the processing of this permit application and to furnish, upon request, supplemental information in support of the application.</p> <p>SIGNATURE OF APPLICANT _____ DATE 3/27/85</p>
<p>2. NAME AND ADDRESS OF APPLICANT</p> <p>City of Kenner 1801 Williams Blvd. Kenner, LA 70062 ATTN: Hon. Aaron Broussard, Mayor</p> <p>Telephone no. during business hours</p> <p>A/C () _____ (Residence) A/C (504) 468-7240 _____ (Office)</p>	<p>APR 10 1985 J.H.</p>

4. DETAILED DESCRIPTION OF PROPOSED ACTIVITY
Aaron Broussard, Mayor

4a. ACTIVITY

The proposed activity is to construct a protective breakwater and provide additional public recreation land area at the existing Williams Blvd. Boat Launch and Recreation Area in Kenner, LA.

4b. PURPOSE

The breakwater construction is necessary to protect the existing Wms. Blvd. Boat launch from the destructive forces of Lake Pontchartrain wave action. The mouth of the "calm water" basin is presently open to the lake allowing waves to enter the harbor; in addition to potential damage, these waves are causing the build-up of organic detritus (a.k.a., "coffeegrounds") within the harbor. The new breakwater is intended to prevent the wave action and detritus from entering the harbor. The breakwaters will also provide significant additional land area for public recreation at the site. The Wms. Blvd. Recreation Area is presently constricted in its capacity to serve the public due to severe limits on the available land area. The existing facility is almost totally devoted to the boat launch ramps, automobile maneuvering area, roadways and levee crossing; there is little area remaining for general (non-boating) public access to the lake shoreline. The purpose of the breakwater expansion is to provide the public with improved opportunity for recreation usage of the lakeshore.

4c. DISCHARGE OF DREDGED OR FILL MATERIAL

There is no dredging involved in this project. The fill that will be placed in the lake will be non-organic matter, primarily consisting of construction-demolition debris (i.e., rip-rap) or soils excavated from land-side projects. Approximately 670,400 cubic yards of material will be placed to form the new breakwaters. Refer to attached drawings.

AND ADDRESSES OF ADJOINING PROPERTY OWNERS, LESSEES, ETC., WHOSE PROPERTY ALSO ADJOINS THE WATERWAY

Jefferson Levee District
5333 River Road
Harahan, LA 70003

6. WATERBODY AND LOCATION ON WATERBODY WHERE ACTIVITY EXISTS OR IS PROPOSED

Lake Pontchartrain

7. LOCATION ON LAND WHERE ACTIVITY EXISTS OR IS PROPOSED

ADDRESS:

Williams Blvd. Recreation Area (north terminus of Wms. Blvd.)

STREET, ROAD, ROUTE OR OTHER DESCRIPTIVE LOCATION

Jefferson LA 70062
COUNTY STATE ZIP CODE

City of Kenner; Council and Administration

LOCAL GOVERNING BODY WITH JURISDICTION OVER SITE

8. Is any portion of the activity for which authorization is sought now complete? YES NO

If answer is "Yes" give reasons, month and year the activity was completed. Indicate the existing work on the drawings.

9. List all approvals or certifications and denials received from other federal, interstate, state or local agencies for any structures, construction, discharges or other activities described in this application.

ISSUING AGENCY	TYPE APPROVAL	IDENTIFICATION NO.	DATE OF APPLICATION	DATE OF APPROVAL	DATE OF DENIAL
None					

None

10. Application is hereby made for a permit or permits to authorize the activities described herein. I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief such information is true, complete, and accurate. I further certify that I possess the authority to undertake the proposed activities or I am acting as the duly authorized agent of the applicant.



SIGNATURE OF APPLICANT

Aaron Broussard, Mayor

3/27/85
DATE

SIGNATURE OF AGENT

Bruce L. Badon, Associate

DATE

The application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by a duly authorized agent if the statement in Block 3 has been filled out and signed.

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of The United States knowingly and willfully falsifies, conceals, or covers up by any trick, scheme, or device a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

Do not send a permit processing fee with this application. The appropriate fee will be assessed when a permit is issued.

1179 Pgs full



JOINT PUBLIC NOTICE



DEPARTMENT OF THE ARMY
NEW ORLEANS DISTRICT
CORPS OF ENGINEERS
PERMITS SECTION
P. O. BOX 60267
NEW ORLEANS, LA. 70160

Date: April 29, 1985 *

STATE OF LOUISIANA
DEPARTMENT OF NATURAL RESOURCES
COASTAL MANAGEMENT DIVISION
P. O. BOX 44124
BATON ROUGE, LA 70804
(504) 342-7591

Hall (504) 838-2299
CORPS REVIEWER

P850440

STATE OF LOUISIANA CORP

LMNOD-SP (Lake Pontchartrain) 231
CORPS OF ENGINEERS #

Interested parties are hereby notified that the Coastal Management Division of the Department of Natural Resources has received the following application for a Coastal Use Permit in accordance with the State and Local Coastal Resources Management Act of 1978, as amended, (Louisiana R.S. 49, Sections 213.1 - 213.21) and the rules and regulations of the Louisiana Coastal Resources Program.

Additionally, interested parties are hereby notified that application has been received by the District Engineer for a Department of the Army permit to authorize the following pursuant to: [x] Section 404 of the Clean Water Act (86 Stat. 816; 33 USC 1344, [x] Section 10 of the River and Harbor Act of 1899 (33 USC 403)

NAME OF APPLICANT:

City of Kenner, c/o Burk & Assoc., Inc., 4176 Canal St., New Orleans, La. 70119

LOCATION OF WORK:

JEFFERSON PARISH, LA.: Sec. 38, T12S-R10E; Lake Pontchartrain at the Northern end of Williams Blvd. in Kenner, Louisiana.

CHARACTER OF WORK:

Expand an existing boat launch & recreation area to include construction of a breakwater and placing about 670,000 cu. yds. of fill to create about 12 acres of land to be developed for public recreational use. The area to be filled is shallow open water of Lake Pontchartrain. Fill material will consist of construction/demolition debris and soils excavated from construction sites.

The best available information indicates that within the approximate 41,000 acre area around the project site acres of coastal marshes/swamps have been ^{N/A} between 1955 and 1978. N/A

*This date represents the beginning date of the Corps of Engineers public notice period. The official date of the beginning of the public comment period for Coastal Use Permit applications begins on the date of this notice in the official State Journal (the Baton Rouge State Times), in accordance with the Rules and Procedures for Coastal Use Permits, Part III E(3). The Coastal Management Division will inform the interested parties of the exact date of publication on request.

THE APPLICANT MUST SECURE A STATE COASTAL USE PERMIT PLUS A DEPARTMENT OF THE ARMY PERMIT OR A GENERAL PERMIT AUTHORIZATION FROM THE CORPS OF ENGINEERS. INDEPENDENT EVALUATIONS AND DECISIONS WILL BE MADE BY THE COASTAL MANAGEMENT DIVISION AND THE CORPS OF ENGINEERS.

Plans for the proposed work are now on file with both agencies and may be inspected at the Office of the Coastal Management Division, Department of Natural Resources, State Land and Natural Resources Building, 625 N. 4th Street, Room 1011, Baton Rouge, LA., 504/342-7591; and the Office of the District Engineer, U.S. Army Engineer District, New Orleans, Permits Section, Foot of Prytanis Street, New Orleans, Louisiana. Written comments, including objections to the proposed work and reasons therefore, and suggestions for modifications thereof, are solicited from anyone having an interest in the matter. Comments to the State of Louisiana must be mailed within 25 days of the date of official journal publication of this notice to Coastal Management Division, Department of Natural Resources, P. O. Box 44124, Baton Rouge, Louisiana 70804. Comments to the Corps of Engineers must be mailed within 20 days of this notice, to Department of Army, New Orleans District, Corps of Engineers, Permits Section, P. O. Box 60267, New Orleans, Louisiana 70160. All comment letters should contain both the applicant's name and the application number.

FIGURE 1:
LOCATION MAP

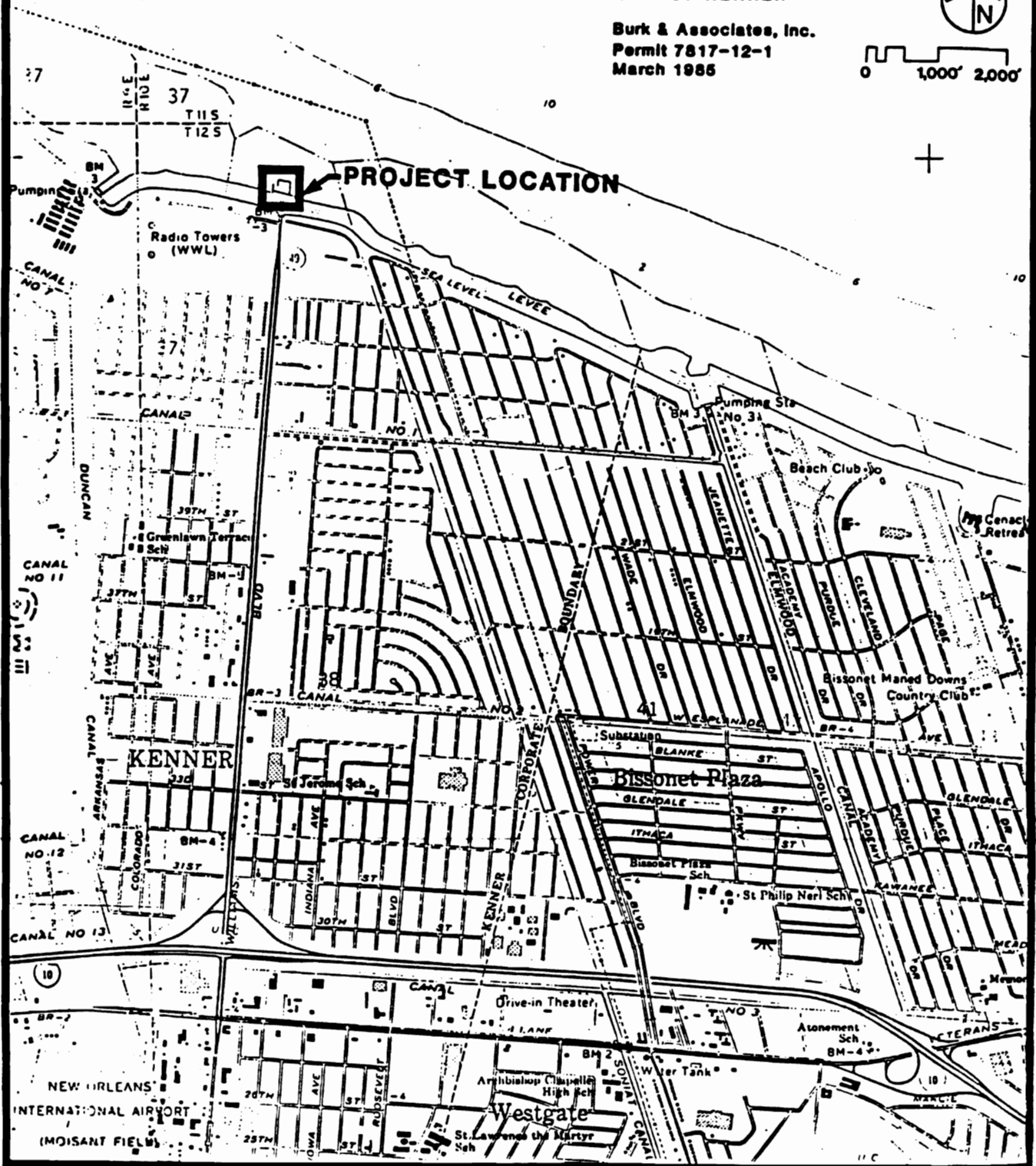
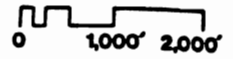
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**Williams Blvd.
Recreation Area
Addition**

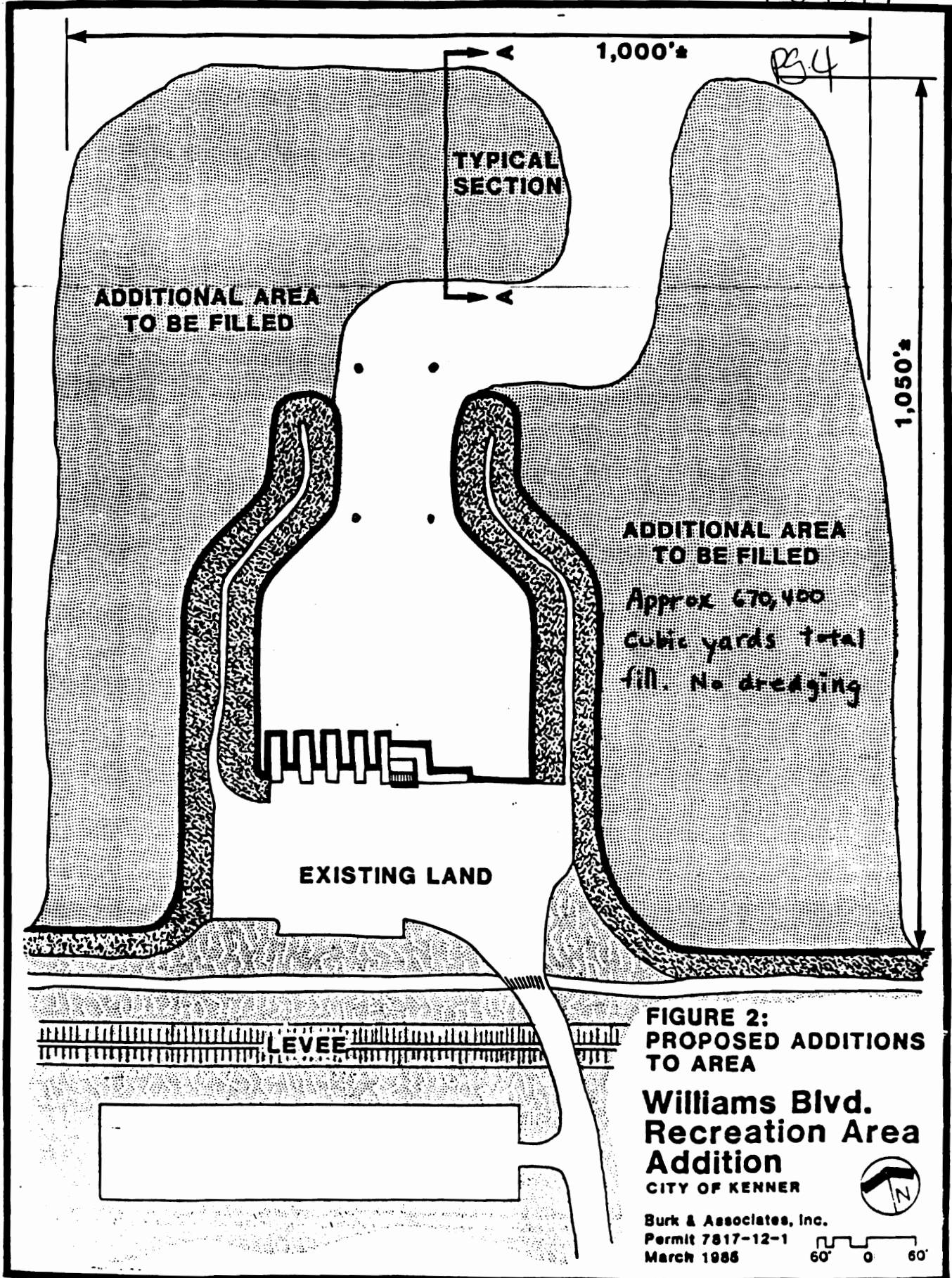
Pg 3

CITY OF KENNER

Burk & Associates, Inc.
Permit 7817-12-1
March 1985



105144U



ADDITIONAL AREA TO BE FILLED

TYPICAL SECTION

1,000'

1,050'

ADDITIONAL AREA TO BE FILLED
Approx 670,400
cubic yards total
fill. No dredging

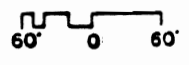
EXISTING LAND

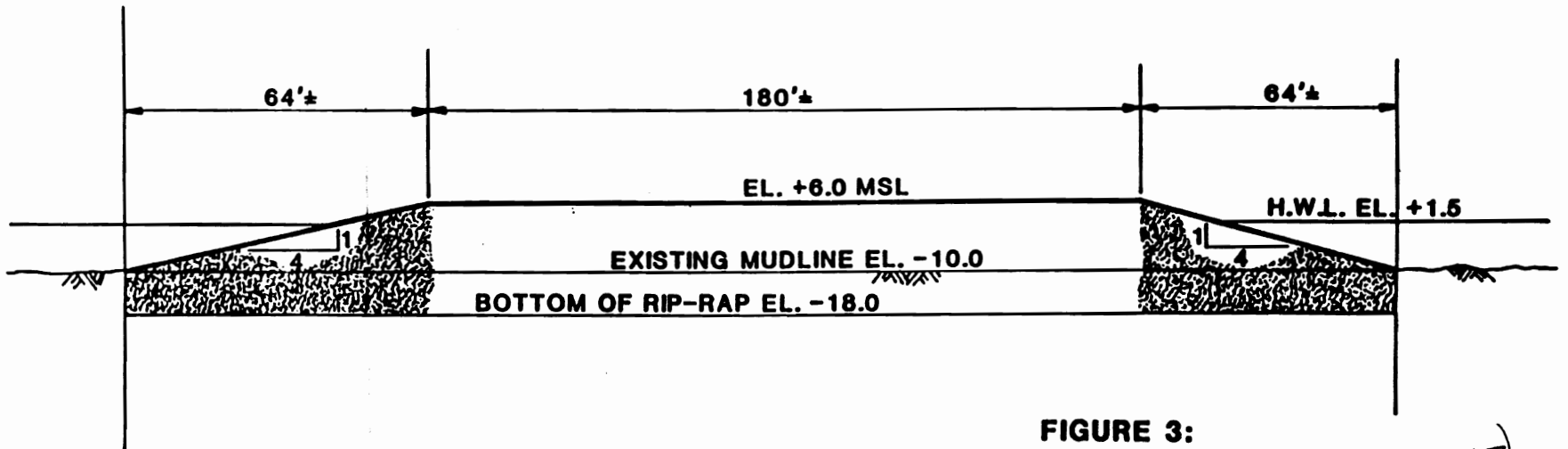
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FIGURE 2:
PROPOSED ADDITIONS
TO AREA

**Williams Blvd.
Recreation Area
Addition**
CITY OF KENNER

Burk & Associates, Inc.
Permit 7817-12-1
March 1986



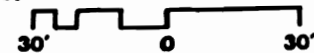


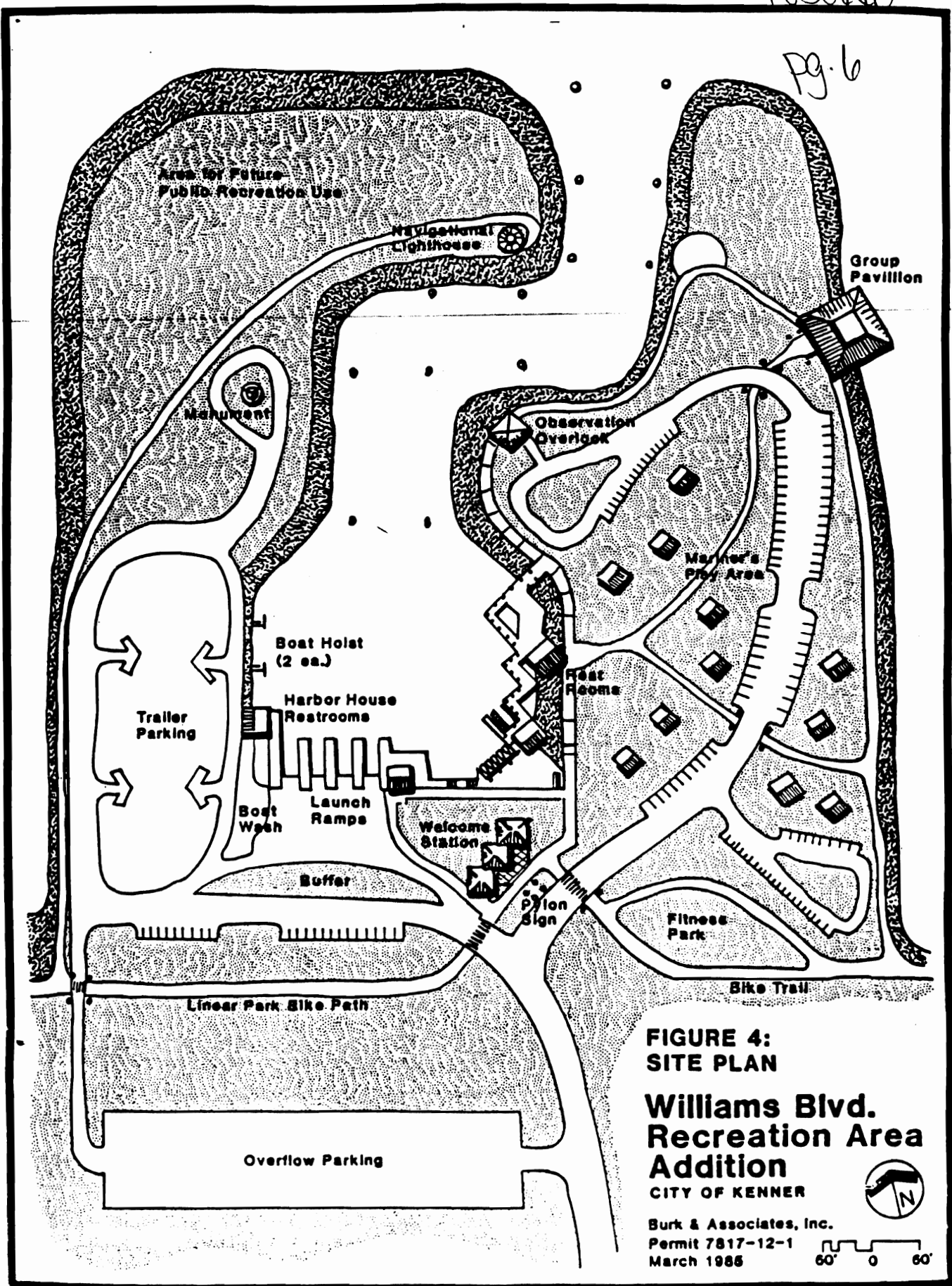
**FIGURE 3:
CROSS SECTION A**

**Williams Blvd.
Recreation Area
Addition**
CITY OF KENNER

Handwritten:
P550440
P5

Burk & Associates, Inc.
Permit 7817-12-1
March 1985



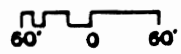


**FIGURE 4:
SITE PLAN**

**Williams Blvd.
Recreation Area
Addition**
CITY OF KENNER



Burk & Associates, Inc.
Permit 7817-12-1
March 1988



PC 50441
197

State of Louisiana Coastal Use Permit Criteria

The decision on whether or not to issue a coastal use permit will be based on an evaluation of the probable impacts of the proposed activity in accordance with the state policies outlined in R.S. 49:213.2. The decision will reflect the national concern for both protection and utilization of important resources. The decision must be consistent with the state program and approved local programs for affected parishes and must represent an appropriate balancing of social, environmental and economic factors. All factors which may be relevant to the proposal will be considered; among these are flood and storm hazards, water quality, water supply, feasible alternative sites, drainage patterns, historical sites, economics, public and private benefits, coastal water dependency, impacts on natural features, compatibility with the natural and cultural setting and the extent of long term benefits or adverse impacts.

Certification that the proposed activity will not violate applicable water and air quality laws, standards and regulations will be required before a permit is issued.

Corps of Engineers Federal Permit Criteria

The decision whether to issue a Corps permit will be based on an evaluation of the probable impact of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonable foreseeable detriments. All factors which may be relevant to the proposal will be considered; among those are conservation, economics, aesthetics, general environmental concerns, historic values, fish and wildlife values, flood damage prevention, land use, navigation, recreation, water supply, water quality, energy needs, safety, food production, and, in general, the needs and welfare of the people.

No properties listed in the National Register of Historic Places are near the proposed work. The possibility exists that the proposed work may damage or destroy presently unknown archaeological, scientific, prehistorical, or historical sites or data. Copies of this notice are being sent to the State Archaeologist and the State Historical Preservation Officer.

Our initial finding is that the proposed work would neither affect any species listed as endangered by the U. S. Department of Interior nor affect any habitat designated as critical to the survival and recovery of any endangered species.

The applicant has certified that the proposed activity described in the application complies with and will be conducted in a manner that is consistent with the Louisiana Coastal Resources Program. The Department of the Army permit will not be issued unless the applicant received approval or a waiver of the Coastal Use Permit by the Department of Natural Resources.

If the proposed work involves deposits of dredged material into navigable waters, the evaluation of the probable impacts will include the application of guidelines established by the Administrator of the Environmental Protection Agency. Certification that the proposed activity will not violate applicable water quality standards will be required before a permit is issued if the proposed work includes deposits of dredged or fill material in navigable waters.

1050440
P. 8

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

You are requested to communicate the information contained in this letter to any other parties whom you deem likely to have interest in this matter.

Public Hearings

Any person may request, in writing, within the comment period specified in this notice, that a State or Federal public hearing be held to consider this application. Request for public hearings shall state, with particularity, the reasons for holding a public hearing.

August 2, 1985

Engineering Division
Projects Engineering Section

Honorable Aaron F. Broussard
Mayor of Kenner
1801 Williams Blvd.
Kenner, Louisiana 70062

Dear Mayor Broussard:

Reference is made to your July 9, 1985, letter concerning the Kenner Lakefront/Corps High Level Plan and the possible inclusion of recreation as a project feature under the authorized Lake Pontchartrain, La. & Vicinity Hurricane Protection project.

I am pleased to hear of the City of Kenner's support for the high level hurricane protection plan. Our design objectives at this time will seek to minimize disruption of existing recreational facilities along the lakeshore and to, where possible, accommodate future expansion plans for these facilities. Representatives from our Engineering and Planning Divisions have met with City of Kenner officials, and it appears quite likely that these objectives will be met.

The application of Public Law 89-72 (Federal Water Recreation Act) to include recreation as a project feature under the authorized Lake Pontchartrain project is a possible course of action in this case. However, the local sponsor for the Lake Pontchartrain project is the East Jefferson Levee District, and they would be the agency with which an agreement to include recreation would be made. The City of Kenner could participate with them. However, we would observe that the likelihood that Federal funding would be available in the foreseeable future, under the referenced law, is remote.

A copy of this letter is being furnished to Mr. John Lauricella, Jr., President of the Jefferson Levee District, Board of Commissioners, 5333 River Road, Harahan, Louisiana, 70123.

My staff and I are available to discuss the details and requirements under the law with your representatives and representatives of the East Jefferson Levee District. I look forward to such a meeting.

Sincerely,

Eugene S. Witherspoon

Eugene S. Witherspoon
Colonel, Corps of Engineers
District Engineer

MS
STUTTS
LMNED-SP
5/23
BARTON
LMNED-SP
7/26
HARRINGTON
LMNED-S
11/26
JUBLIN
LMNED-D *ca*
8/26
SHELDON
LMNED-P
11/26
CHATRY
LMNED-RE
WAGANOFF
LMNPD
11/26
BROWN
LMNRE *11/26*

EXEC OFC

20 Aug 85



AARON BROUSSARD
Mayor

CITY OF KENNER

OFFICE OF THE MAYOR

July 9, 1985

Colonel Eugene S. Witherspoon
U.S. Corps of Engineers
New Orleans District
Post Office Box 60627
New Orleans, Louisiana 70160

Re: Kenner Lakefront/Corps
High Level Plan

Dear Colonel Witherspoon:

The City of Kenner would like to express its interest in, and its intentions to support, the high level plan at this time, contingent upon further information and assurances that existing lakefront improvements will be respected and proposed improvements will be given every consideration for funding participation by the Corps in accordance with Public Law 89-72 Federal Water Recreation Act.

The City would also like to notify the Corps that it has initiated the preparation of a lakefront master plan. This master plan will set goals and develop specific plans for the City's lakeshore. The City will, of course, be working closely with the Jefferson Levee District.

In recent meetings in which the city officials have discussed the high level plan, the question has come up as to whether or not the Corps might be in a position to assist the City in the cost of its lakefront master plan. We, therefore, have asked our consultant, Burk and Associates, Inc. to contact the Corps and attempt to find out what the Corps' position would be on this.

Mr. Burk has spoken with Mr. D. Vann Stutts and it is our understanding that, although the Corps may not provide cash participation, it may give the City of Kenner, in conjunction with the East Jefferson Levee District, a credit of 50% of the cost to perform the master plan.

It is further understood that the Corps will give every consideration to the sharing of costs of recreational improvements that are developed either by the City or the Corps in connection with the master plan or the high level plan on a 50/50 basis. At the point when these improvements are made, the previous credit for the planning of the lakefront by the City will be allowed to be used to reduce the 50% cost of design and construction.

The City of Kenner is very interested in reaching an understanding on this with the Corps and would appreciate a response as soon as possible.


Col. Eugene S. Witherspoon
U. S. Corps of Engineers
July 9, 1985

We look forward to working cooperatively with the Corps towards our mutual interest of providing hurricane protection and lakefront improvements for the City of Kenner. I assure you that all involved members of my administration, and our consultant, will react fully and promptly to your requests for further information.

Thank you in advance for your assistance.

Sincerely,

CITY OF KENNER


Aaron F. Broussard
Mayor

AFB/nb

cc: Senator Hank Lauricella
Representative Eddie D'Geralamo
Representative Skip Hand
East Jefferson Levee District
Mr. D. Van Stutts - Corps of Engineers
Mr. Wm. R. Burk, III - Burk & Associates, Inc.





The Board of Levee Commissioners
OF THE
East Jefferson Levee District

PROTECTING YOU
AND YOUR FAMILY

(504) 733-0087

203 PLAUCHE COURT

Harahan, La.

70123

March 6, 1986

COMMISSIONERS

JOHN L. LAURICELLA, JR., PRESIDENT
FRANK H. RENAUDIN, VICE-PRESIDENT
ROBERT H. FERRARA
CHRIS A. LOCHBAUM

WILLIAM F. MIDDLETON
FIRST ASSISTANT TO PRESIDENT
PRINCIPAL ENGINEER
BRUCE REED
T. ROBERT LACOUR
SPECIAL COUNSEL

Honorable Aaron F. Broussard
Mayor of Kenner
1801 Williams Boulevard
Kenner, Louisiana 70062

Dear Mayor Broussard:

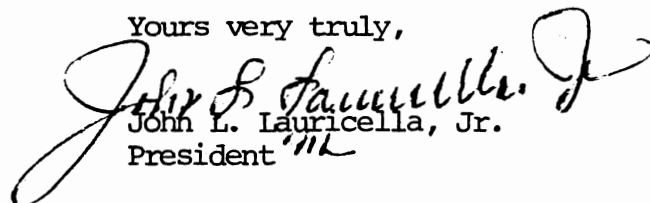
RE: Expansion of Williams Boulevard
Recreation Area

The East Jefferson Levee District permit for the above referenced project has not been issued to the City of Kenner as the Levee District requires assurance that the project is compatible with the U. S. Army Corps of Engineers, Lake Pontchartrain Hurricane Protection, High Level Plan.

It has been brought to my attention that preliminary construction has begun on this project. I am hereby requesting a meeting with you or your representative, and a representative of the U. S. Army Corps of Engineers to resolve these problems and come to a mutual agreement on how to proceed.

Should you have any questions, please contact our office.

Yours very truly,


John L. Lauricella, Jr.
President

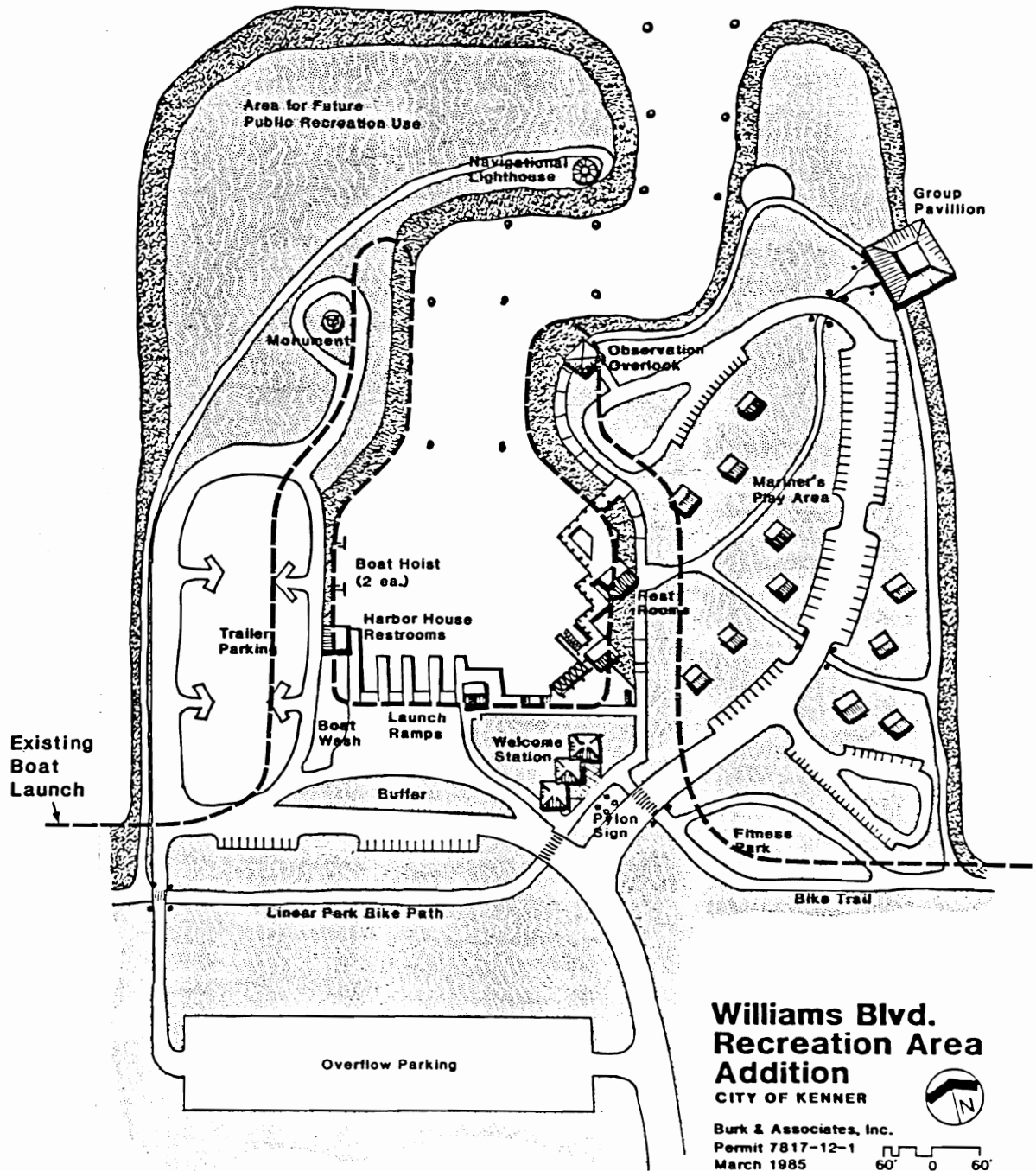
JLL, Jr. :mln

cc - Mr. R. Baldini, Corps of Engineers
Mrs. G. Grille, Dept. of Public Works
Mr. G. Chifici, Burk & Associates

Kenner Lakefront Plan

Burk & Associates, Inc.
B&A Job No. 8511

Figure 1-D Site Plan Williams Blvd. Recreation Complex Addition



LMNED-SP

Lake Pontchartrain, La. & Vic Hurricane Protection Project:
GDM No. 17, Jefferson Parish Lakefront Levee - Floodwall
(Recurved Wall) - Reaches A and C

C/H&H Br

C/Des Svcs Br

29 Jan 87
Mr. Stutts/pas/2614

1. Reference is made to the 28 Jan 87 conversation between Mr. Jay Combe of your office and Mr. Vann Stutts of our office concerning the subject recurved wall designs.
2. As discussed with Mr. Combe, Design Br has developed cost estimates for two wall in levee alternatives for the Jefferson Parish Lakefront. These plans employ the following combinations of wall types: Plan 1 uses I-wall in levee for Reaches A and C with a T-wall for Reach B; Plan 2 uses I-wall in levee for Reaches A and C with a recurved wall for Reach B. The recurved wall, plan 2, is about \$10 million cheaper than plan 1. We want to consider an additional plan which would employ the recurved wall design on Reaches A and C. It is felt that the recurved design will offer some advantages over the standard I-wall in levee: lower overall height, savings in sheet pile penetration; less earthwork; and hopefully, less overall cost.
3. Our revised schedule for the GDM requires that we make a decision on the "tentatively selected plan" by 17 Feb 87; therefore, I must have your H&H input for the work described in para 2 above ASAP. Accordingly, it is requested that the recurved wall design be provided NLT 4 Feb 87.
4. If you have any questions concerning this request, please contact Mr. Stutts on ext. 2614.

THOMAS E. HARRINGTON, JR.
Chief, Design Services Branch

STUTTS
STUTTS
LMNED-SP
B
BARTON
LMNED-SP
TH
HARRINGTON
LMNED-S