

June 28, 1985

Engineering Division
Projects Engineering Section

Mr. Earl J. Wagner, Jr.
Chief Engineer
The Board of Levee Commissioners
Orleans Levee District
Suite 202 - Administration Building
New Orleans Lakefront Airport
New Orleans, Louisiana 70126

Dear Mr. Wagner:

Reference is made to your June 20, 1985, letter concerning Lake Pontchartrain and Vicinity Hurricane Protection Project - Orleans Avenue Outfall Canal, London Avenue Outfall Canal, and 17th Street Outfall Canal with enclosed material for our review and comment.

The information provided at your office during the June 19, 1985 meeting has been reviewed, and we offer the following comments:

1. We have no comment relative to the scope of services for your design memorandum work at London Avenue and Orleans Avenue Canals.

2. The topographic survey scope of services is sufficient for our design purposes and meets the Corps requirements for design memorandum scope designs.

3. The Geotechnical scope of services for Orleans Avenue is sufficient for our needs, except for the need for piezometric data. We request that you provide the check borings that were discussed and requested during the June 10, 1985 meeting. The number and locations are shown on the enclosure plans. Attached to the plans, please find a description of the locations and type boring and piezometric data needed at each of the Orleans and London Avenue Canals.

It is noted that the scope of work for Geotechnical Services for London Avenue Canal has not been developed. However, if the scope of the London Avenue Canal program is similar to the Orleans Avenue Canal, then the level of detail is sufficient for our GDM design purposes. No request that you furnish the London Avenue Canal scope of services to this office once you have developed it.

We are reviewing the reports on the 17th Street Outfall Canal furnished in your June 20, 1985 letter. We will furnish our comments to you as soon as they are available.

Should you have any questions concerning the enclosed plans and boring requirements, please contact Mr. Vann Stutts, telephone number 838-2614.

Sincerely,

Frederic M. Chatry
Chief, Engineering Division

Enclosures

ST
STUTTS
LMNED-SP

SS
BARTON
LMNED-SP

MA
HARRINGTON
LMNED-S

PP 7/1
PICCOLA
LMNED-F

FC
CHATRY
LMNED

The NOD field data required for Orleans Avenue and London Avenue Outfall Canals from the Orleans Levee District's consultants are:

ORLEANS AVENUE OUTFALL CANAL

- a) Four undisturbed 5-in diameter continuous sampling borings.
 - 1.) 1 $\frac{1}{2}$ levee 50 ft. depth and 1 toe 40 ft. depth boring 300 feet south of Robert E. Lee Blvd. on east side of canal.
 - 2.) 1 $\frac{1}{2}$ levee 50 ft. depth boring 200 feet south of Filmore Avenue on east side of canal.
 - 3.) 1 $\frac{1}{2}$ levee 40 ft. depth 1800 feet south of Harrison Avenue on west side of canal.
- b) Piezometric data from piezometers installed in the buried beach sand at one representative cross section of the canal. Corresponding canal water elevations at the site of the piezometers.

LONDON AVENUE OUTFALL CANAL

- a) Two undisturbed 5-in diameter continuous sampling borings.
 - 1.) 1 $\frac{1}{2}$ levee 50 ft. depth boring 200 feet north of Filmore Avenue on east side of canal.
 - 2.) 1 $\frac{1}{2}$ levee 50 ft. depth boring 200 feet north of Virgil Blvd on west side of canal.
- b) Piezometric data from piezometers installed in the buried beach sand at one representative cross section of the canal. Corresponding canal water elevations at the site of the piezometers.

Tubes from the undisturbed borings are to be furnished to the NOD Soils & Material Testing Section. Please contact Mr. Vernon Leufroy, telephone 733-5000, in advance to make arrangement for tubes.