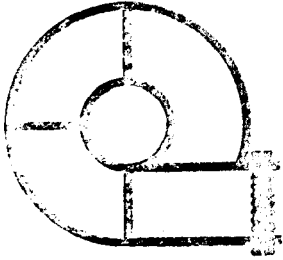


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MOON LANDRIEU, President
HARRY McCALL, JR., President Pro-Tem.

Sewerage & Water Board OF NEW ORLEANS

CITY HALL • CIVIC CENTER
NEW ORLEANS, LA., 70165 • 586-4547

G. JOSEPH SULLIVAN
General Superintendent

June 8, 1977

Mr. Lawrence G. Bodet
Assistant Chief Engineer
Board of Levee Commissioners
Orleans Levee District
Suite 202 Adm. Bldg.
New Orleans Lakefront Airport
New Orleans, Louisiana 70126

Dear Mr. Bodet:

This acknowledges your letter of May 4, 1977 enclosing photo mosaic of the south shore of Lake Pontchartrain and vicinity hurricane protection levee. We are returning this mosaic on which we have marked our utilities and we offer the following comments pertaining to our facilities:

1. The drains shown crossing the levees at both Canal Blvd. and Franklin Ave. do not exist. Waters flow in either direction from the levee, not through it.
2. The sewer crossing the levee to serve Shelter House #2 is composed of concrete and it is from 5 ft. to 6 ft. deep.
3. The sewer crossing the levee to serve Shelter House #3 is composed of terra cotta and it is from 2 ft. to 4 ft. deep.
4. The sewer crossing the levee at Topaz St. and Lakeshore Parkway is composed of terra cotta and it is from 5 ft. to 6 ft. deep.

Mr. Lawrence G. Bodet

June 8, 1977

5. The sewer crossing the levee at Opal St. and Lakeshore Parkway is composed of terra cotta and it is from 4.6 ft. to 12 ft. deep. The valve in this system operates properly.
6. The sewer crossing the levee on Pontchartrain Blvd. at Lake Marina Ave. is composed of cast iron and it is 8.3 ft. deep. The valve in this line needs to be reworked since only a partial closure could be obtained.
7. The sewer serving the marina is composed of terra cotta and it is 14 ft. deep.
8. The sewer crossing the levee on Lake Marina Ave. is composed of cast iron and it is approximately 19 ft. deep. The valve in this line operates properly.
9. The 15" drain crossing the levee near Lake Marina Ave. is composed of concrete and it is 8.5 ft. deep.
10. The water mains (size and alignment) are shown on the photo mosaic. They are for the most part asbestos cement pipe east of Pontchartrain Beach and cast iron pipe west of Pontchartrain Beach. Details for relocation of these mains for the proposed flood gates could only be shown on detail drawings for the flood gates. Any relocations required must be handled by installing a new section of water main and then abandoning the section of water main interfering with the proposed work.
11. Station #12 is provided with permanent methods of pressurization of the discharge tube as will prevent high tide flow back in the event of an outage to the main pump drive train. Also, for hurricane watch, we dispatch portable engine driven compressor for said duty. The invert of the tube is El. 27.31 C.D. on the datum of original construction with a corresponding centerline of shaft elevation of El. 25.5. Please note that Station 12 is not provided with

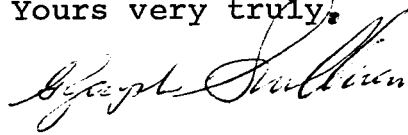
Mr. Lawrence G. Bodet

June 8, 1977

discharge gates at the high point of the tube, as we feel that pressurization is a safe and adequate method of preventing backflow.

We regret the delay in returning this information but it involved a detailed study of the area in question.

Yours very truly,

A handwritten signature in cursive script, appearing to read "Joseph Sullivan".

GENERAL SUPERINTENDENT

GJS/atp
enc. (Photo mosaic)



NEW ORLEANS PUBLIC SERVICE INC.

POST OFFICE BOX 60340

NEW ORLEANS, LOUISIANA 70160

May 27, 1977

MALCOLM L. HURSTELL
VICE PRESIDENT
ENGINEERING

AREA CODE 504 586-2361
317 BARONNE STREET

Mr. Lawrence G. Bodet
Assistant Chief Engineer
Board of Levee Commissioners
Orleans Levee District
Suite 202 - Administration Bldg.
New Orleans Lakefront Airport
New Orleans, Louisiana 70126

Dear Mr. Bodet:

Subject: New Orleans Lakefront Levee
West End to IHNC

In accordance with the request of your subject letter dated May 4, 1977, we have compiled lists by station number where existing NOPSI gas and electric facilities would cross the baseline of the proposed levee. These are as shown below:

Gas

<u>Station No. +</u>	<u>Gas Line Size</u>	<u>Type</u>
1+80	8 inch	Steel Pipe
42+50	8 inch	Steel Pipe
45+50	2 inch	Steel Pipe
60+00	4 inch	Steel Pipe
82+00	6 inch	Steel Pipe
90+50	6 inch	Steel Pipe
101+50	6 inch	Steel Pipe
130+30	6 inch	Steel Pipe
163+00	6 inch	Steel Pipe
230+50	1 inch	Steel Pipe
294+80	3/4 inch	Steel Pipe
311+80	2 inch	Steel Pipe
322+80	3 inch	Steel Pipe
326+10	3/4 inch	Steel Pipe
337+80	3 inch	Steel Pipe

All of the above gas lines have welded joints and carry a maximum pressure of 125 psi. Exact depths are not known but are estimated

Gas (Cont'd)

to be approximately 2½ to 3 feet, except for the 6 inch gas line at Station 163+00 which was installed over the present earth levee. Based on our records, none of the other listed gas lines were installed over the existing levees.

Electric

<u>Station No. ±</u>	<u>Conduit Or Cable Size</u>	<u>Type Circuit</u>
26+00	3- #6 cu. Cable	Street Light Cables (Orleans Levee Board Installed)
34+00	3- #6 cu. Cable	Street Light Cables from Transformer Vault #3 to O.L.B. Street Lights
101+00	3- #6 cu. Cable	Street Light Cables to City of N.O. Lights
130+00	3- #6 cu. Cable	Street Light Cables to City of N.O. Lights
162+00	3- #6 cu. Cable	Street Light Cables (Orleans Levee Board)
164+00	3- #6 cu. Cable	Street Light Cables (Orleans Levee Board)
191+00	6- #6 cu. Cable	Records show two ckts. of Street Light Cables (Orleans Levee Board)
Centerline of Franklin Avenue Neutral Ground - Conduit crossing installed by Orleans Levee Board to serve street lights.		
229+00	2- 4" conduits	Primary circuit between NOPSI and O.L.B. vaults
244+00	2- 4" conduits	Primary circuit between NOPSI and O.L.B. vaults
280+00	2- 4" conduits	Primary circuit between NOPSI and O.L.B. vaults
292+00	3- #6 cu. Cable	Street Light Cables to City of N.O. Lights
314+00	3- #6 cu. Cable	Street Light Cables to City of N.O. Lights

Mr. Lawrence G. Bodet
Page 3
May 27, 1977

Electric (Cont'd)

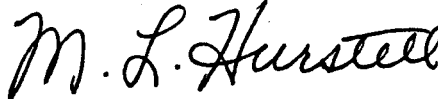
The above listed information concerning NOPSI electric facilities was assembled from data in our files, most of which was recorded in connection with Orleans Levee Board Project 61-18, Job No. 6158. The record shows street light crossings to be direct burial cable except under paved roadways where the cable was originally installed in conduit. To our knowledge, all street light cable crossings of the levee are so constructed except for that at Lake Terrace Drive where two, 2" galvanized iron conduits with street light cable were placed over the top of the levee when it was constructed.

The depths of the above listed primary circuit crossings are not accurately known, but generally are installed at about 2½ to 3 feet below grade. We have no information pertaining to the depths of street light cable since it was installed by the Orleans Levee Board and later acquired by NOPSI.

Based on the information available at this time, existing NOPSI facilities apparently will not be in conflict with the proposed levee work. A determination can be made as to adjustment to these facilities, if necessary, when final plans are made available for our review.

Please let me know if we can be of any further assistance in this matter.

Very truly yours,



M. L. Hurstell

MLH/cs
cc: Mr. Guy F. LeMieux

South Central Bell

4101 Pauger Street
New Orleans, Louisiana 70122
Phone (504) 529-9561

June 3, 1977 MKZ:lm

Mr. Lawrence G. Bodet
Assistant Chief Engineer
Orleans Levee Board
New Orleans, Louisiana

RE: New Orleans Lakefront Levee
West End to LH NC, Location
Of Telephone Cables

Dear Sir:

This letter is in response to your request for the locations of telephone cables crossing the Lakefront Levee. Wherever possible the measurements were made from Corps of Engineers Survey markers. Where these were not found the distance was estimated from your station numbers.

Type Cable	Size (O.D.)	(Approx) Depth	Location
BKMA-50	.67"	12'	Approx. 170' West of station 24+70
BKMA-50	.67"	12'	Approx. 150' West of station <u>24+37</u> <i>2A+37 or 28+37?</i>
BKMA-1	.96"	12'	57' West of survey marker near station 31+11.9
26-24JP	.9"	2'	Approx. 200' West of station 108+63.6 directly in front of pump room
2-Pr. DROP	.25"	6"	92' West of survey marker PI.84, between station 201+03.8 and station 204+65.9

BKT G-50 2-2" BIP encased.	-	On top of Levee	43' West of survey marker, West of station 228+74.4
2-Pr. DROP	.25"	6"	164' East of survey marks at or near station 245+84.9
2-Pr. DROP	.25"	6"	40' West of survey marker Pl 121 between station 291+77.8 and station 298+42.5
BKMA-1	.83	8'	Approx. 20' West of station 219+35.2
AJMA-2 AJMA-2 3-4" PVC	Cables in Conduit	2'	Cross Pontchartrain Blvd. and Lake Marina on West side. West of station 319+35.2
BKTG-2 in 1-4" PVC	4"	2'	Crosses Lake Marina Blvd. at Regeant on West side. East of station 327+50.8
BKMG-4 in 2-3" BIP encased	-	On top of Levee	132' West of survey marker PI 56 station 338+44.2

In order to relocate these facilities it would be necessary to cross over the levee or floodwall. This would be difficult and costly in many cases.

Yours truly,


District Manager