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WATER POLLUTION CONTROL
J.T. MILLER, JR., DIR.

March 15, 1982

Mr. James G. Carlock, P.E.
W.T.C. Project Administrator
Port Authority of NY & NJ
1 World Trade Center (Suite 63E)
New York, NY 10048

RE: WTC-C-21;
WTC-Dey Street,
Underpass; Borough of
Manhattan

Dear Mr. Carlock:

In reply to your latest submittal of plans for the referenced project with a letter dated January 29, 1982, please be informed of the following comments of this Department:

- 1) The load from the new reconstructed telephone manhole, located above the section of the proposed 18" Dia. D.I.P. sewer between manhole #2 and the existing manhole in Church Street, should be carried down to an elevation below the subgrade of the sewer, as shown in detailed section C-G. The east and west walls may be extended down and supported by continuous footings. Broken stone should be placed under and around the 18" Dia. D.I. sewer.
- 2) The section of proposed sewer between manholes #2 and 3 should be located so that its centerline is 2'-1" from the north building line of Dey Street. This same centerline clearance should be provided between the sewer and the C.D. of the 28" Dia. steam main casing.
- 3) Before final approval can be given for these plans, the details of the non-standard manholes and any other special sewer structures must be received for our review.

-cont-

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- 4) All backfilling underneath or above the proposed sewers shall be done in conformance with D.E.P. standards as stipulated in section 4.06 of D.E.P. specifications and its amendments. A note in this regard should appear on the contract plans.
- 5) All proposed sewer work under this project shall be done in conformance with the latest standards and requirements of the Department of Environmental Protection, and a note to this effect should appear on the plans.

Review of this project will be continued upon receipt of three (3) complete sets of plans, revised in conformance with all of the above comments. These comments are marked in red on the enclosed plans.

Encl.

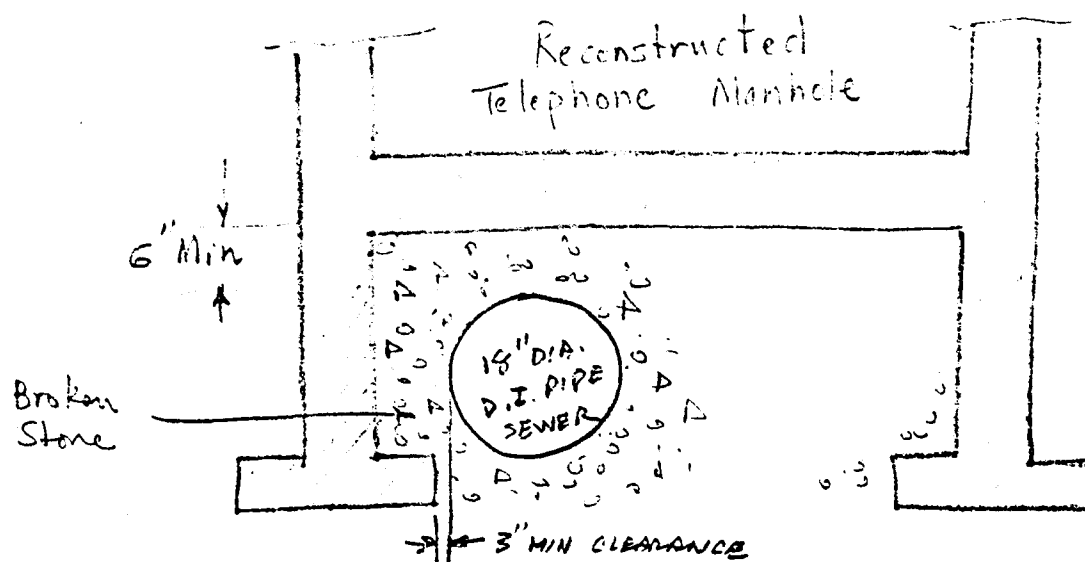
Very truly yours,

cc: DiMartino
Novotny
Pocci/Khan
Oliveri/Long
Farag
Uriko
Lau
Henneberger
Yee
Swedlow (3)
Suspense

MF:lp

FREDERICK NOVOTNY, P.E., CHIEF
Div. of Sewer Regulation &
Control, Bureau of Sewers

4586
219.82



SECTION G-G

THE PORT AUTHORITY OF NY & NJ

One World Trade Center
New York, N.Y. 10048

(212) 466-7000
(201) 622-6000

January 29, 1982

TO: FARAG
2/2/82

Mr. Frederick Novotny, P.E.
Chief, Division of Sewer Regulation & Control
City of New York Department of Environmental
Protection
2358 Municipal Building
New York, New York 10007

FEB 03 1982

Re: THE WORLD TRADE CENTER - Dey Street Underpass

Dear Mr. Novotny:

All the revisions you requested in your October 8, 1981 letter to me have been incorporated into Utility Agreement Drawing Nos. WTC-C1 through WTC-C7-81, except as follows:

Generally, specific details of sewer manholes, cradles, casings and subsoil conditions as well as similar elements of construction for participating utility companies have been omitted since the above drawings are only required to establish the lanes for each of the relocated utilities. Upon receipt of your approval, we will complete Detailed Contract Drawings and submit them to you for approval. Note #1 of the General Notes on Drawing No. WTC-C3-81 confirms this procedure.

I understand that wherever Con Edison steam lines affect the sewer system they also will submit Contract Drawings for your review and approval.

The following are specific references to the comments in your October 8th letter using the same item numbers.

1. Drawing No. C-4 has been revised to show 4'-2" clear between the building and the steam pipe casing, Class 56 ductile iron pipe on a Class "35" concrete cradle. Additional detail as noted above will be included in the final Contract Drawings.
2. A complete profile of the rerouted 18" sewer is provided on a new drawing, WTC-C7-81.
3. As you suggested, we attempted to redesign Manhole #3 as an "L"-shaped manhole but concluded that adjacent construction rendered that method impractical. We therefore returned to the original design with entrance to the sewer at the existing manhole. In a previous submission, you did not object to this method.

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(160/2)

Writer's direct dial telephone: 466-4106 (CARLOCK)

Mr. Frederick Novotny, P.E.

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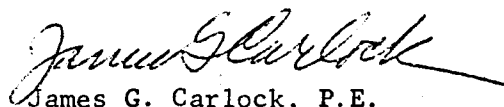
January 29, 1982

4. The drawings have been revised to eliminate any interference of other utility lines with sewers. As mentioned above, complete structural details of Manholes No. 1 and 2 will be included in the forthcoming Contract Drawings which will be submitted for your approval.
5. General Note #7 on Drawing No. C-3 confirms that there are no house sewer connections. If any are found, they will be maintained and if disturbed, they will be reconnected.
6. The drawings have been revised to clearly differentiate between existing, new, rerouted or removed work.
7. Drawing No. WTC-C2-81 has been revised to show the 6" drain as a "6" Condensation Drain". This is not steam condensate, but rather condensation formed on the inside of the cold steel casing which protects the insulation. It is below the maximum 150°F temperature limit you specified.

Three (3) complete sets of the above revised drawings are hereby transmitted for your further review and approval. If you or your staff need any assistance, please contact me at 466-4106.

As you may know, this project will be undertaken by the Port Authority at the request of the City of New York. Nevertheless, we are anxious to progress it and would appreciate any consideration available to you to expedite it. Please let me know if I can help.

Sincerely,



James G. Carlock, P.E.
Project Administrator
World Trade Center Planning