

DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER & SEWER OPERATIONS

Transmittal Slip

FROM: Douglas S. Greeley, P.E. DATE: 6/28/02
Deputy Commissioner and Director
(718) 595-5330 (phone)
(718) 595-5342 (fax)

TO: ☐ Michael Krysko, P.E. ☐ Herbert Kass, P.E.
☐ Magdi Farag, P.E. ☐ M. Abraham, P.E.
☐ Roman Kensy, P.E. ☐ Odd Larsen, P.E.
☐ Paul Donnellan, P.E. ☐ John Dydland
☐ Edward Coleman, P.E. ☐ Michael Schneider
☐ Ernest Cavagnaro ☐ Frank Feighery
☐ John Vokral, P.E. ☐ Carol Salli

OTHER: Marta Hoffer / Frank Arhans

☐ Submit written comments ☐ Represent me
☐ Handle Report outcome ☐ Prepare reply for my
by memo signature
☐ Coordinate Report outcome ☐ Reply directly -
by memo copy for me
☒ Talk to **WORLD TRADE CENTER**
for discussion
☐ Take appropriate action
(No need to report back)

REMARKS:

At first I thought (you said, from the
This looks pretty good. I think I can
this information is so pointless for
rebuilding a bridge. It's a good thing
is going for info to the...
advise. My instinct tells me to call the Project Eng
and disabuse her of her need. Should this be followed?
X6

DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WATER & SEWER OPERATIONS

Transmittal Slip

FROM: Douglas S. Greeley, P.E. DATE: 6/28/02
Deputy Commissioner and Director
(718) 595-5330 (phone)
(718) 595-5342 (fax)

TO: ☐ Michael Krysko, P.E. ☐ Herbert Kass, P.E.
☐ Magdi Farag, P.E. ☐ M. Abraham, P.E.
☐ Roman Kensy, P.E. ☐ Odd Larsen, P.E.
☐ Paul Donnellan, P.E. ☐ John Dydland
☐ Edward Coleman, P.E. ☐ Michael Schneider
☐ Ernest Cavagnaro ☐ Frank Feighery
☐ John Vokral, P.E. ☐ Carol Salli

OTHER: Mark Hoffer / Frank Achiano

- | | |
|--|---|
| ☐ Submit written comments | ☐ Represent me |
| ☐ Handle Report outcome by memo | ☐ Prepare reply for my signature |
| ☐ Coordinate Report outcome by memo | ☐ Reply directly - copy for me |
| ☐ Talk to me about this | ☐ FYI & file |
| ☐ Per our discussion | ☐ Copies |
| ☐ Take appropriate action
(No need to report back) | |

REMARKS:

*At first blush (yeah, I know, Prima Facie)
This looks fishy to me. I should think
this information would be pointless for
rebuilding designs. Do you know if the TA
is fishing for info to sue us on? Please
advise. My instinct tells me to call the Project Eng
and disabuse her of her need. Should this be followed?*

DL



STAUNTON CHOW, P.C.
engineers & architects
new york • new jersey • puerto rico

June 19, 2002

The City of New York
Department of Environmental Protection
59-17 Junction Boulevard
Flushing, New York 11373-5108

Attention: Douglas S. Greeley, P.E.
Deputy Commissioner

Reference: WTC Rebuilding of New York City Transit 1&9 Subway Lines

Dear Mr. Greeley:

As part of the above reference matter, Staunton Chow, P.C. and Architects (SC) have been tasked by the New York City Transit Authority through FPM Group, to investigate the water leaks in the vicinity of the former World Trade Center site (WTC) as a result of the September 11 terrorist attack.

We requested all Maps and some information pertinent to the water leaks from Mr. Vincent J. Soriano, Chief, Bureau of Water and Sewer operations, Central Mapping and records. We were able to obtain the maps, however we were directed to your office with any further inquiries regarding the site on and after September 11.

The NYC TA has expressed concern about the possible uplift pressures of groundwater. NYC TA, has data regarding the water table, but need additional critical information to accurately proceed with the rebuilding of the subway lines 1 & 9.

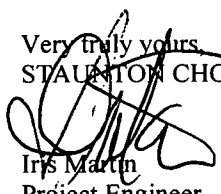
We would like to take this opportunity to respectfully request the following information:

- Location of the water and sewer main breaks.
- When the water main shut down took place.
- When and what emergency repairs were done to the water and sewer mains.
- Approximate amount of water (gallons) lost due to water and sewer mains.

Please note that our office, as consultants to the FPM Group and the New York City Transit Authority, will use this information solely for the purpose of interpreting readily available groundwater information in the above-mentioned project.

Should you have any questions or concerns, please do not hesitate and contact the undersigned.
Thanks in advance for your attention to this matter.

Very truly yours,
STAUNTON CHOW ENGINEERS, P.C.


Iris Martin
Project Engineer

Cc: Jose R. Cardenas, P.E., Vice President, Staunton Chow, P.C.
Dr. Kevin Phillips, P.E., Principal, FPM Group

Enclosed: Correspondence between SC and DEP

Tel: 212.683.8865 • Fax: 212.779.2092
100 West 32nd Street • New York, New York 10001
www.stauntonchow.com



STAUNTON CHOW, P.C.
engineers & architects
new york • new jersey • puerto rico

June 19, 2002

The City of New York
Department of Environmental Protection
59-17 Junction Boulevard
Flushing, New York 11373-5108

Attention: Douglas S. Greeley, P.E.
Deputy Commissioner

Reference: WTC Rebuilding of New York City Transit 1&9 Subway Lines

Dear Mr. Greeley:

As part of the above reference matter, Staunton Chow, P.C. and Architects (SC) have been tasked by the New York City Transit Authority through FMP Group, to investigate the water leaks in the vicinity of the former World Trade Center site (WTC) as a result of the September 11 terrorist attack.

We requested all Maps and some information pertinent to the water leaks from Mr. Vincent J. Soriano, Chief, Bureau of Water and Sewer operations, Central Mapping and records. We were able to obtain the maps, however we were directed to your office with any further inquiries regarding the site on and after September 11.

The NYC TA has expressed concern about the possible uplift pressures of groundwater. NYC TA, has data regarding the water table, but need additional critical information to accurately proceed with the rebuilding of the subway lines 1 & 9.

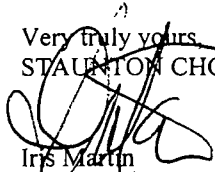
We would like to take this opportunity to respectfully request the following information:

- Location of the water and sewer main breaks.
- When the water main shut down took place.
- When and what emergency repairs were done to the water and sewer mains.
- Approximate amount of water (gallons) lost due to water and sewer mains.

Please note that our office, as consultants to the FPM Group and the New York City Transit Authority, will use this information solely for the purpose of interpreting readily available groundwater information in the above-mentioned project.

Should you have any questions or concerns, please do not hesitate and contact the undersigned.
Thanks in advance for your attention to this matter.

Very truly yours,
STAUNTON CHOW ENGINEERS, P.C.


Iris Martin
Project Engineer

Cc: Jose R. Cardenas, P.E., Vice President, Staunton Chow, P.C.
Dr. Kevin Phillips, P.E., Principal, FPM Group

Enclosed: Correspondence between SC and DEP

Tel: 212.683.8865 • Fax: 212.779.2092
100 West 32nd Street • New York, New York 10001
www.stauntonchow.com



**Department of
Environmental
Protection**

59-17 Junction Boulevard
Flushing, New York
11373-5108

**Christopher O. Ward
Commissioner**

**Douglas S. Greeley, P.E.
Deputy Commissioner**

**Bureau of Water and
Sewer Operations**

Tel (718) 595-5330
Fax (718) 595-5342
dgreeley@nysnet.net

June 10, 2002

**Ms. Iris Martin
Staunton -Chow, P.C.
100 West 32 Street
New York, N.Y., 10001**

Dear Ms. Martin;

We are in receipt of your fax of June 7, 2002 requesting utility information at the location(s) listed below in the borough of Manhattan.

**STREET
Church Street
Vesey Street
West Street
Liberty Street**

**FROM
Liberty Street
West Street
Vesey Street
West Street**

**TO
Vesey Street\
Church Street
Liberty Street
Church Street**

Enclosed are copies of the Bureau's records indicated below.

**D.D.M. I24-16, 21 H24-19,20, 25
Manhattan 2002 In Service Sheet #3**

In your letter (attached) you ask for information pertaining to water and sewer breaks, emergency repairs and shut offs. Unfortunately, this information is not under the jurisdiction of the Mapping and Records office.

These maps are based on the best information available for the water mains and appurtenances in the streets contiguous to this area. Please be advised that water mains are normally installed at depths ranging from 42" to 48".

Requests for information can be mailed to the above-mentioned address or faxed to (718) 595-5781. Please make sure you clarify specific street limits or forward a clear site plan. Requests for information should be submitted to this office at least two (2) weeks before the beginning of any work. Requests for sewer as built will not be processed through this office. If information is needed in relation to sewer as built drawings, locations of sewers, water/sewer permits and connections contact the Manhattan borough office at 40 Worth Street, Room 338, N.Y., N.Y. 10013. The telephone number is (212) 442-1904/1905/1908.



www.nyc.gov/dep

(718) DEP-HELP

**Vincent J. Soriano, Chief
BW&SO Central Mapping/Records**

xc: File



STAUNTON CHOW, P.C.
engineers & architects
new york • new jersey • puerto rico

June 7, 2002

New York City Department of Environmental Protection
Bureau of Water and Sewer Operations Central Mapping and Records
59-17 Junction Boulevard - 12th Floor, High Rise
Corona, New York 11368

Attention: Vincent J. Soriano, Chief
Bureau of Water and Sewer Operations
Central Mapping and Records

Reference: WTC Rebuilding of New York City Transit 1&9 Subway Lines

Dear Mr. Soriano:

As part of the above referenced matter Staunton Chow, P.C. Engineers and Architects (SC) have been tasked by the New York City Transit Authority through FMP Group to investigate the water leaks in the vicinity of the former World Trade Center site (WTC) as a result of the September 11 terrorist attack. Presently, the New York City transit Authority is rebuilding the 1 and 9 train line and they have expressed concern about the possible uplift pressures of ground water. Please note that the NYC TA, currently has data regarding the water table, but need to have information on the water main and sewer main breaks occurred at the time in order to have an accurate interpretation of the data. In addition, we need specific information and maps from your office to complete the information NYCTA needs to rebuild the subway lines.

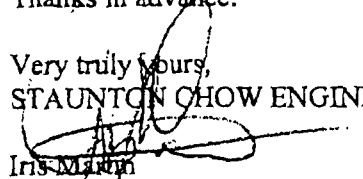
We are also enclosing the completed NYCDEP forms requested from your office. In addition to the requested water and sewer main maps, we require the following information of the water main breaks in the vicinity of the former World Trade Center site in order to accurately proceed with the rebuilding of the subway lines 1&9:

- ☐ Location of the water and sewer main breaks.
- ☐ When the water main shut down took place.
- ☐ When and what emergency repairs were done to the water and sewer mains.
- ☐ Approximate amount of water (gallons) lost due to water and sewer mains.

Please note that our office, as consultants to the FPM Group and the New York City Transit Authority, will use this information solely for the purpose of interpreting readily available groundwater information in the above-mentioned project.

Should you have any questions or concerns, please do not hesitate and contact the undersigned. Thanks in advance.

Very truly yours,
STAUNTON CHOW ENGINEERS, P.C.


Iris Martin
Project Manager, Environmental Engineer

Cc: Jose R. Cardenas, P.E., Vice President, Staunton Chow Engineers
Dr. Kevin Phillips, P.E. FPM Group
Enc. NYC DEP request for information

Tel: 212.683.8865 • Fax: 212.779.2092

100 West 32nd Street • New York, New York 10001

NYC-WTC_000152104

AR-15-2002 10:57

NYCDDC MANHATTAN CONST

212 442

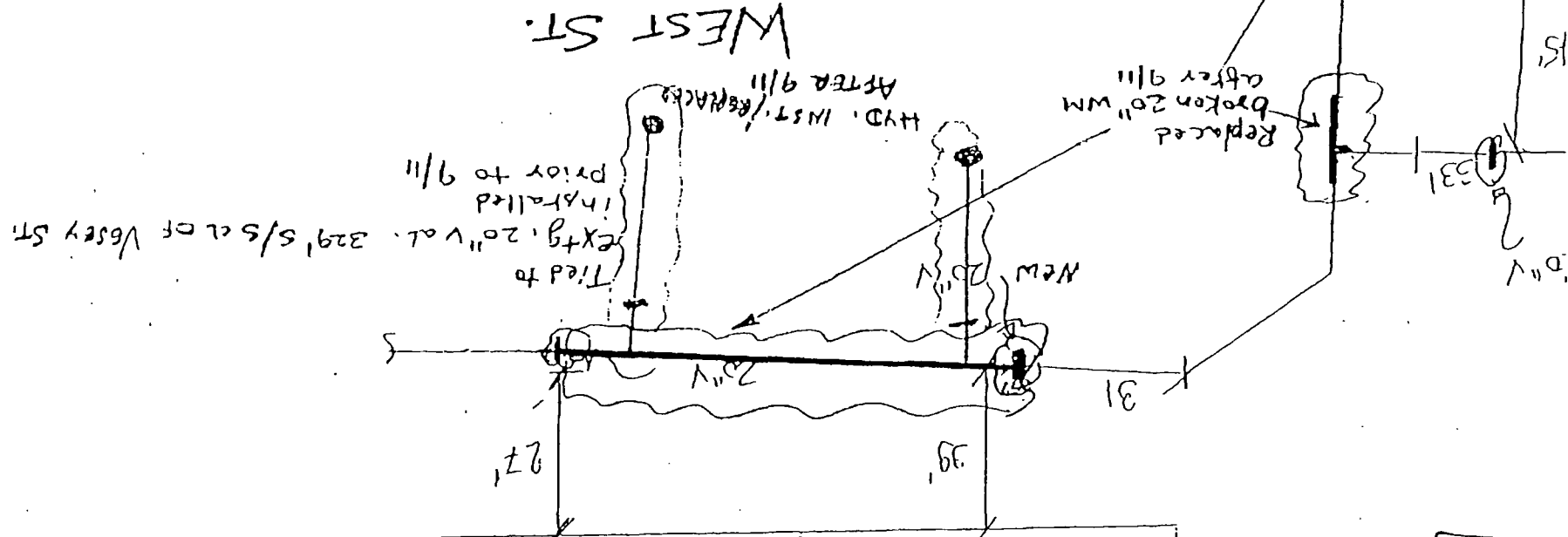
NA

VESEY ST.

Post-it® Fax Note 7871		Date 3/15/02	# of pages 1
To V. Sotiano	From Srini Kesava		
Co./Dept DEP	Co. DDC		
Phone #	Phone (212) 442-7283		
Fax (718) 595-5781	Fax #		

LORD &
DOCK

W CL



9/11. Record spread / Recovery (20' EASTLY W.M.)

NYC-15-2002 11:01

NYCDDC MANHATTAN CONST

212 442 7

Post-it Fax Note		7671
To	V. Sotiano	
Co/Dapt	DEP	
Phone #		
Fax	(718) 595-5781	
Date	3/15/02	# of pages 1
From	Srin Keshava	
Co.	DDC	
Phone	(212) 442-7283	
Fax #		

VESEY ST.



DOCK

70' 0"

27'

39'

31'

Tied to
Extg. 20" val. 329' S/S of Vesey St.
installed
prior to 9/11

HYD. INST./REPLACE
AFTER 9/11

Replaced
broken 20" WM
after 9/11

WEST ST.

2002 MANHATTAN
21 SERVICE

9/11. RECON STORMWATER/RECOVERY
(20" EASTERLY W.M.)

LIBERTY ST

New 20" val.
EAST C/L of
WEST ST.

⑤ WORLD TRADE CENTER

New York City Department of Environmental Protection
Contributions to Post-September 11th Recovery and Rebuilding

Exterior Building Clean-Up Program

- DEP performed inspections of exterior building surfaces, including the examination of roofs, facades, alleys, fire escapes and ledges for the presence of visible debris from the collapse of the World Trade Center (WTC). Buildings with visible accumulations of debris were identified, and building owners and managers were directed to have the material tested and cleaned up appropriately. Follow-up inspections were performed based on owner/manager written response.
- DEP's Exterior Clean Up Program was developed with funding from the Federal Emergency Management Agency to clean up exterior surfaces that still had WTC debris. The Exterior Clean Up Program was initiated on 6/3/02, and is still in progress. The projected completion date is 10/31/02.
- Building owners and managers whose properties were identified as having WTC debris were sent license agreements to allow work to proceed. Three abatement contractors, chosen through the City's procurement process, are cleaning exterior building surfaces under DEP's direction and oversight. A third party air-monitoring firm, also chosen through the City's procurement process, performs air sampling during clean-up activities. The clean-up work includes installing barriers, collecting all bulk debris, HEPA vacuuming and wet wiping surfaces, and a final wash down of the included surfaces. Water collection barriers are set up when necessary. Collected water is filtered.
- To date, the DEP has not received license agreements from all building owners/managers. Staff continues to contact building owners regarding the program and return of the agreement. Orders to abate will be issued to building owners when necessary. Building owners refusing to take advantage of the program will be mandated to pay for an appropriate clean up.
- The DEP Help Center continues to take information from individuals wishing to report visible debris on exterior surfaces. The Help Center is at (718) DEP-HELP and operates 7 days a week, 24-hours a day.
- DEP has inspected 1,054 buildings in and around lower Manhattan. The following are the results of these inspections:

Buildings without debris on exterior surfaces	747
Buildings with exterior debris	307
Buildings cleaned by building owners and re-inspected by DEP, to date	70
License agreements received from building owners	152
Buildings cleaned by DEP contractors, to date	115

Support for EPA's Residential Indoor Clean-Up Program

- DEP worked with the EPA to facilitate procurement for the EPA's help line for Lower Manhattan residents to request testing and cleaning of their apartments. The help line was opened on 6/3/02.
- DEP has also worked with the EPA to develop scopes of work and procure contractors for the EPA's indoor clean-up program, which is scheduled to begin on 9/3/02.

Infrastructure Improvements and Repair

- DEP has worked closely with the Department of Design and Construction to investigate the condition of existing sewers to recommend replacement, repair, or rehabilitation as necessary. DDC has performed the work as per DEP requirements prior to the start of new utility or street work.
- DEP expanded the scope of work for a water main replacement project to include streets around and in the vicinity of the WTC.