

NYC 9/11 Public Portal Document

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Dispatched
JUL 21 1987
Bureau of Heavy Construction
Mail Room

Parsons, Brinkerhoff, Quade & Douglas, Inc.
One Penn Plaza
New York, NY 10119

July 15, 1987

To: Mr. Ahmet Gursoy, Project Manager

Re: AMTRAK North Tunnel, Dual Inverted Siphon at West 33rd Street and
11th Avenue, Borough of Manhattan

Dear Mr. Gursoy:

This is reply to your submittal of plans for the referenced project with your letters dated January 8, 1987 and June 4, 1987, and to your June 30, 1987 submittal of minutes of a meeting held on June 29, 1987. Please be informed of the following comments:

1. Item No. 3 in the minutes states that "Bureau of Sewers has accepted the siphon design hydraulically". This is incorrect. The meeting was held to clarify the relationship between the computation sheets and the contract drawings so that our review could be concluded expeditiously. Hydraulic acceptability can only be given by formal letter from this Department after complete review of all submitted computations and related material.
2. Regarding item No. 2 of your minutes of the meeting, be advised that should your final siphon design computations be found to be deficient, such design may require revision which in turn, may involve changes in sizes and/or elevations of existing or proposed sewers or dimensions of the siphon itself.
3. On drawing No. S-32 of your contract plans you show the existing 3'-0" X 4'-9" combined sewer entering new manhole No. 3 as having a height of 4'-9". Attached herewith for your information is an extract copy of a contract plan dated July 27, 1939 for the New York Central Railroad Company showing a cross section of this sewer (labeled S-S), indicating that the height is 3'-0".

JOB NAME: swedlow (R)P: (21,400) 01.1

Parsons, Brinkerhoff, Quade & Douglas, Inc.
AMTRAK
Page 2

July 15, 1987

4. The New York Central Railroad plans also include a reference to a 6" C.I. house sewer emanating from the north side of West 33rd Street, which is connected to the existing 3'-0" X 4'-9" sewer in West 33rd Street. The elevation of this connection must be determined since it is crucial to the design of the inverted siphon.
5. Since the existing sewer in West 34th Street is to be rerouted to the upstream end of the new siphon, the house connection elevations along West 34th Street must also be considered in relation to the hydraulic grade elevations along the siphon route.
6. Your attention should be drawn to the attached New York Central drawings in which it is shown that the existing 15" diameter pipe in 11th Avenue north of West 33rd Street enters the 33rd Street sewer at a point approximately 5 feet downstream of the existing manhole. This point is at the same location as your proposed manhole No. 3.
7. As a result of recent discussions it is understood that your computations are being revised to reflect our comments regarding the apparent inadequacies in your computation of the hydraulic gradient difference between the upstream and downstream points of the siphon as shown in your January 8th submission.

All the above issues must be resolved satisfactorily before any hydraulic approval can be given for the submitted contract drawings.

Sincerely,

Magdi Farag, P.E. Chief
Div. of Sewer Regulation & Control
Bureau of Sewers

Enclosure

cc
DiMartino
Farag
D. Smith
Yee
Swedlow
Suspense

MS/rfm
Room 929

**Parsons
Brinckerhoff** 100
YEARS

One Penn Plaza
New York, NY 10119
212-613-5000

June 30, 1987

New York
NY 10119 PKLP UR

Mr. Madgi Farag
Chief, Division of Sewer Regulations and Control
Bureau of Sewer
40 Worth Street, 9th Floor
New York, NY 10013

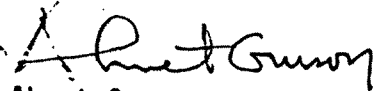
Subject: Amtrak North Access Tunnel
Inverted Siphon

Dear Mr. Farag:

Enclosed please find a copy of the minutes of the meeting held in your office on June 29, 1987. If you disagree with any resolution noted in the minutes, please inform us immediately.

Very truly yours,

PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC.



Ahmet Gursoy
Project Manager

Encl.

AM/mjr

RECEIVED -
D.E.P./BUREAU OF SEWERS

JUN 30 1987

DIVISION OF
SEWER REGULATION
AND CONTROL

**A Century of
Engineering Excellence**

Parsons Brinckerhoff

Memorandum

TO: File

FROM: A. Gursoy

SUBJECT: Amtrak North Access Tunnel
Sewer Siphon

DATE: June 30, 1987

A meeting was held in BOS on 6/29/87 to discuss the BOS comments. The following were in attendance:

M. Farag	A. Gursoy
M. Swedlow	N. Munfah
G. Swiatek	E. Sela
D. Smith	
R. Aggarwal	

The meeting focused on the hydraulic concept. The following resolutions are reached and agreed on:

1. Provide one 15" Ø sanitary pipe inside the siphon with weir to separate the sanitary from the storm flows.
2. No change of sizes or elevations of the existing or proposed sewers.
3. BOS has accepted the siphon design hydraulically.
4. Structural comments will be evaluated separately at a meeting at a later date, probably Wednesday or Thursday 7/1/87 or 7/2/87.

AMTRAK
National Railroad Passenger Corporation
2000 Market Street, 6th Floor
Philadelphia, PA 19103

To: Smith
6/9/87

S 187

June 4, 1987

Mr. Magdi Farag
Chief Division of Sewer
Regulation and Control
Bureau of Sewers
40 Worth Street, 9th Floor
New York, NY 10013

RECEIVED
D.E.P./BUREAU OF SEWERS
JUN 9 1987
DIVISION OF
SEWER REGULATION
AND CONTROL

Subject: Westside Connection Project
New York, New York
North Access Tunnel Project - 90% Submission

Dear Mr. Farag:

Enclosed for your review and comments are three sets of the 90% Submission of the Contract Documents for the subject project.

Please review and return your comments to Amtrak with copy to Parsons Brinckerhoff no later than Tuesday, June 23, 1987, using the attached Design Review Comment Sheet for this project. If there are no comments, please return Comment Sheet marked "No Comment".

The Design Review Meeting will be held at Parsons Brinckerhoff's office on June 30, 1987 at 10:00 AM to review all comments and progress of the project.

Parsons Brinckerhoff
One Penn Plaza
Fifth Floor
New York, New York 10119
Telephone: 212-613-5202
Attention: Mr. Ahmet Gursoy, Project Manager

Thank you for your cooperation.

Sincerely,

Ahmet Gursoy

A.E. Shaw Jr. PE
Director of Engineering
Track Structures

AES/AG/am/029

33098
6-10-87

4 2/87

**Parsons
Brinckerhoff** 100 YEARS

To: Yec/snedlow
1/22/87

**Parsons
Brinckerhoff
Quade &
Douglas, Inc.**

One Penn Plaza
New York, NY 10119
212-613-5000

**Engineers
Planners**

Cable: Parklap, New York
Telex: RCA 232 117 PKLP UR

MS
1/26/87

January 8, 1987

Mr. Magdi Farag
Chief, Division of Sewer Regulations and Control
Bureau of Sewer
40 Worth Street, 9th Floor
New York, NY 10013

Re: AMTRAK, North Access Tunnel } 11 AVE.
Dual Inverted Siphon } 33 ST.
Final Design Memorandum } MPM/STW

RECEIVED
D.E.P./BUREAU OF SEWERS
JAN 20 1987
DIVISION OF
SEWER REGULATION
AND CONTROL

Dear Mr. Farag:

Enclosed please find for your review and comment the Final Design Memorandum for the Dual Inverted Siphon of AMTRAK's North Access Tunnel.

The purpose of this memorandum is to:

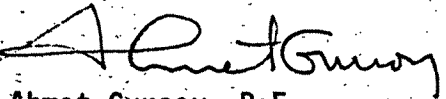
- o Summarize the siphon concept.
- o Establish design criteria.
- o Summarize the design flow for final design.
- o Describe the proposed access road for siphon maintenance.
- o To receive your comments for the above items as early as possible.

We are proceeding on the final design based on the general conditions described in Section A, the criteria, design flow and the access description presented in Section B thru E of this memorandum.

Your response before January 26, 1987 will be greatly appreciated.

Very truly yours,

PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC.


Ahmet Gursoy, P.E.
Project Manager

cc: I. Oncu - AMTRAK

AG/mjr

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Engineering Excellence**