

cc: DiMartino

Farag

Lipski

Gainer

D. Smith

Uriko

Yee

Suspense

RA:lp

DISPATCHED

APR 17 1987

**WATER POLLUTION CONTROL
MAIL ROOM**

30089
47587

April 15, 1987

Mr. A.E. Shaw, Jr., P.E.,
Amtrak
National Railroad Passenger Corp.
30th Street Station, Suite 330
Philadelphia, PA 19104

RE: Westside Connection Project North Access Tunnel from W. 33rd Street to W. 38th Street, Borough of Manhattan

Dear Mr. Shaw:

In reply to your letter dated March 24, 1987 and a letter dated April 6, 1987 from Parsons Brinckerhoff Quades & Douglas Inc., with which you submitted three (3) sets of "60%" drawings and two (2) sets of sewer relocation design drawings for the above referenced project, please be advised of the following comments of this department:

1. Show all elevations in reference to a sewer datum plane which is 2.75 ft. above the U.S. C.G.S. mean sea level at Sandy Hook, N.J.
2. Show 11th Avenue in relation to the existing tunnel and sewers on drawing Nos. C-9, C-10, C-11, C-13 and C-14.
3. There are several locations where existing sewer information as shown does not match our as-built records. A copy of the North River I&I study and as-built drawings for Capital Project SEN 00243 are enclosed for your reference. Drawings must be revised accordingly. In case you have more recent drawings, submit the same for our review.
4. Show legend for the proposed catch basin to be different than the proposed manhole.
5. Show existing invert elevation on the existing sewer whenever a new manhole or chamber is proposed. Show invert elevations at manholes, one U/S end and the other D/S end of this location.
6. Show the limits of abandonment of the existing sewer in W. 34th Street.

-cont-

-2-

7. Clarify whether a proposed 15" E.S.V.P. sewer shown as connecting catch basins is a sewer or a catch basin connection. Be advised no more than two catch basins can be connected in series and that catch basin connection should be 12" D.I. Class 56 pipe with push-on joints on stone ballast. See NYC Standard.
8. Show the existing sewer to be picked up at manhole No. 1 and the existing sewer openings to be plugged at manhole No.2.
9. Show on the plan and profile the existing and proposed structures.
10. There is no record of a 12" storm sewer to be removed on drawing No. C-12, 12" C.M.P. on drawing No. C-12, 12" to be removed or abandoned on drawing No. C-13, 12" on drawing No. C-13A.
11. Submit structural computations signed and sealed by a N.Y.S.P.E. for flow distribution chamber, twin maintenance chamber A and B, flow adopter chamber. No bend of sewer is allowed between flow adopter chamber and manhole No. 2. Show type of manholes. Submit borings for the area. Show type of catch basins. Show type of proposed sewer.
12. Show the deflection angles, radius etc. for all the chambers.
13. Indicate that all sewers shown as to be abandoned have no house connections.
14. Submit drawing No. C-21 as part of contract drawings.
15. There is no need to show standard details of catch basin type 2, cast iron grating, cast iron manhole frame and cover, cast iron steps, manhole frame and cover, and vitrified clay pipe on conc. cradle on earth or rock as shown on drawing Nos. C-19 and C-20.

The hydraulic computations as submitted by you are being reviewed by our Private Drainage Review Section. Their comments will be related to you when received from that office.

Please submit three (3) complete sets of contract drawings revised in accordance to these comments for our review. Drawing Nos. S-28, S-29, S-29A, S-30 and S-30A should be made part of the set.

Very truly yours,

DOUGLAS SMITH, P.E., ACTING CHIEF
Engineering Review Section,
Bureau of Sewer

National Railroad Passenger Corporation,
30th Street Station, Suite 330
Philadelphia, PA 19104

10: Smith
3/27/87

AMTRAK

RECEIVED
D.E.P./BUREAU OF SEWERS
MAR 26 1987

Rail
Disregard
meeting date
600

March 24, 1987

DIVISION OF
SEWER REGULATION
Mr. Magdi Farag
Chief Division of Sewer
Regulations and Control
Bureau of Sewers
40 Worth Street, 9th Floor
New York, New York 10013

SUBJECT: Westside Connection Project
New York, New York
North Access Tunnel Project - 60% Submission

Dear Mr. Farag:

Enclosed for your review and comments is one set of the 60% Submission of the Contract Documents and two sets of the sewer relocation design drawings for the subject project.

Please review and return your comments to Amtrak with copy to Parsons Brinckerhoff no later than Tuesday, March 31, 1987, using the attached Design Review Comment Sheet for this project. If there are no comments, please return a Comment Sheet marked "No Comment".

The Design Review Meeting will be held at Parsons Brinckerhoff's office on March 31, 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,

A. E. Shaw Jr.

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

RECEIVED
DATE 3.30.87

AES:sl

A-5

To: Swadlow 4/8/87



**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

April 6, 1987

RECEIVED
D.E.P. BUREAU OF SEWERS
APR - 8 1987

DIVISION OF
SEWER REGULATION
AND CONTROL

Mr. Raj Aggarwal
Division of Sewer Regulation and Control
Bureau of Sewers
40 Worth Street, 9th Floor
Room 904
New York, NY 10013

Re: AMTRAK, North Access Tunnel, Sewer Relocation

Dear Mr. Aggarwal:

As requested by Mr. Morton Swadlow of your office. Enclosed please find:

- o Two sets of 60% submission of Contract drawings including sewer drawings.
- o Two sets of hydraulic calculations.

If you have any questions, please do not hesitate to call.

Very truly yours,

PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC.

Ahmet Gursoy
Project Manager

AG:jag:2Z52

FILED 31617
DATE 4-7-87

**A Century of
Engineering Excellence**