

cc: DiMartino
Farag
D. Smith
Yee
Chandra Patel
Suspense
CP:lp

4/10/88
3-21-88

March 21, 1988

Mr. A.E. Shaw, Jr., P.E.,
Director of Engineering, Track & Structures
National Railroad Passenger Corporation
200 Market Street
Philadelphia, PA 19103

RE: West Side Connection, Grading Drainage and Track Construction from West 37th
Street to Harlem River, Borough of Manhattan

Dear Mr. Shaw:

This in reply to your submittal of contract plans with a letter dated November 18, 1987
regarding the above referenced project. Please be advised of the following comments
of this department:

1. On sheets No. T-6 and T-14, the existing sewer into which drainage flow is discharges
should be shown.
2. On the profile drawings existing sewers underneath railroad tracks should be shown
and their invert elevations indicated.
3. On sheet No. T-19, structural details and calculations for the following items are
required.
 - a) Removal of existing manhole by constructing a structural cap.
 - b) Construction of a new manhole on the existing 5'-6"X5'-0" sewer.

-cont-

Dispatched
APR 4 1988
Bureau of Heavy Construction
Mail Room

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4. *On sheet No. D-1, a drop pipe manhole is recommended for proposed manhole No. 13.*
5. *Maintenance jurisdiction of the existing and proposed sewers and drains should be shown on your drawings.*

Please revise your contract plans in conformance with the above comments and submit three (3) complete sets for our review and approval.

ENCLOSURE.

Very truly yours,

MAGDI FARAG, P.E., CHIEF
***Division of Sewer Regulations &
Control, Bureau of Sewers***

RECEIVED
D.E.P./BUREAU OF SEWERS

NOV 25 1987

DIVISION OF
SEWER REGULATION
MANHATTAN

Passenger Corporation, 2000 Market St., Philadelphia, Pa. 19103

NOV 18 1987

FILE: NY, NYC10-1253

Mr. Magdi Farag, P.E., Chief
Division of Sewer Regulation and Control
Bureau of Sewers
NYC Department of Environmental Protection
40 Worth Street
New York, NY 10013

Subject: West Side Connection (AMTRAK)
Manhattan, NYC

Dear Mr. Farag:

Attached is one set of 100% plans and specifications for our proposed rehabilitation of the former Conrail/New York Central West 30th Street Branch for Amtrak service. Please review the drainage aspects as they relate to City Sewers and provide comments by December 4, 1987.

For the most part, our drainage work consists of clean up and repair of the existing drainage system - clean out of pipes, manholes and catch basins - in this contract and in a prior right-of-way clearing contract.

For purposes of identification, the drainage system can be divided into four distinct areas:

- Area 1: West 37th Street to West 60th Street (Sheets T-1 to T14).
- Area 2: West 60th Street to West 72nd Street (Sheets T-14 to T-19).
- Area 3: West 72nd Street to the Viaduct at 125th Street (Sheets T-19 to T-37)
- Area 4: Viaduct to Spuyten Duyvil (Harlem River) (Sheets T-37 to T-56).

In Area 1, we are rehabilitating the existing piped drainage system. Outfall is pumped to City sewers at two locations - West 42nd Street and West 59th Street. We will be installing new pumps in the existing pumping stations as separate work.

In Area 2, we are constructing a new gravity storm sewer to drain our 55 foot wide easement through the Trump parcel. Since right-of-way width is limited and the area is to be eventually overbuilt, we are installing a combined storm sewer/underdrain. The area between West 66th Street and West

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Subject: West Side Connection
Manhattan, NYC

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72nd Street (2.1) acres is drained to the City sewer in 72nd Street. Discharge to this sewer is estimated at 3.0 cubic feet per second. After the Trump development and overbuild, of course, discharge will consist only of subsurface drainage, which will be a negligible amount. Our detail for the connection is on Sheet D-1. We are connecting to the 5' x 7' barrel since our data shows the upper 3' x 4' barrels to be sanitary sewers.

In Area 3, the railroad is completely overbuilt by Riverside Park and the Henry Hudson Parkway. We do not plan any changes to the existing drainage system. We are cleaning our drainage structures under a prior contract.

In Area 4, drainage work consists of pipe and ditch cleanout. For the most part, culvert pipes in this area drain directly to the Hudson River.

In you have any questions, please contact Norman Satterthwaite at (215) 557-4274. *CR (10) 560-7516 (10/10/10)*

Sincerely,

A. E. Shaw, Jr.
A. E. Shaw, Jr., P.E.
Director Engineering
Track and Structures

Attachments: One set of Plans and Specifications

NAS/dar