



CITY OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL PROTECTION
 2358 MUNICIPAL BUILDING, NEW YORK, N.Y. 10007 (212) 669-8200

HARVEY W. SCHULTZ
Commissioner

M E M O R A N D U M

February 29, 1988

TO: Douglas Smith, P.E., Acting Chief, Engineering Review
 Section, Bureau of Sewers

FROM: Gordon Yee, P.E., Acting Chief, Private Drainage Review
 Section, Bureau of Sewers

SUBJECT: Hydraulic review of Amtrak-West Side Connection, West 37th
 Street to Harlem River, Borough of Manhattan

This is in reply to your submittal of plans for the referenced project with a memo dated November 30, 1987. This office has the following comments:

1. Except for the 72nd Street location (T-19), the plans do not indicate any proposed connections to existing sewers. However, in conversations by telephone between Mr. N. Satterthwaite (Amtrak) and Morton Swedlow, P.E. (D.E.P.) on February 4, 1988 and February 18, 1988 it was learned that:
 - a. All proposed drainage work shall be done within the Amtrak rights-of-way and will be under Amtrak maintenance jurisdiction. One exception is the relocation of an existing sewer manhole on the 5'-6" X 5'-0" city sewer within an easement along the track just south of 72nd Street. This office has no hydraulic objection to this relocation (Dwg. T-19).
 - b. No existing connections from Amtrak drains to city sewers will be disturbed. Proposed work will consist only of cleaning, rehabilitating existing drainage pipes and basins, and laying new storm drains and underdrains within the Amtrak right-of-way.

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Memorandum to Douglas Smith, P.E.
Re: Amtrak
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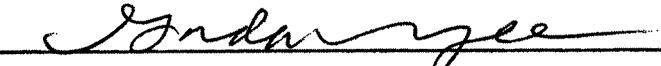
February 29, 1988

- c. Except for an addition of 3.0 cfs to the 72nd Street trunk sewer as a result of new connections, to which this office has no objection, there will be no additional flow at any of the existing Amtrak sewer connections.

In view of the above this office has no objections to this proposal as shown on the plans.

2. On Dwg. D-1 is shown a detail of an Amtrak manhole #N-13, which indicates a large drop to the outgoing 12" diameter connection pipe. Although this department has no jurisdiction or responsibility for this manhole, it is suggested that a drop pipe be used within this manhole to facilitate maintenance by Amtrak.

Your submitted plans are herewith returned to you.


Gordon Yee, P.E. Acting Chief
Private Drainage Review Section
Bureau of Sewers

Enclosure

cc
Farag
Yee
Swedlow
Suspense

MS/rfm
Room 929

**THE CITY OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF SEWERS
INTER OFFICE MEMORANDUM**

DATE: February 4, 1988

TO: MAGDI FARAG, P.E., CHIEF, DIVISION OF SEWER REGULATION & CONTROL
FROM: DOUGLAS SMITH, P.E., ACTING CHIEF, ENGINEERING REVIEW SECTION
SUBJECT: PROJECT STATUS

The following outstanding projects do not appear in the status report updated December 1987:

Battery Park City - North Residential Area Ph. IV (9/4/87). (REVIEW IN PROGRESS)

HED-534 - Jerome Park Reservoir - outlet for draining reservoir (6/29/87).

P.I.N. 0850.87 Manhattan Bridge. - outlet for bridge drainage ^{5/15/87} (4/30/87).

AMTRAK - Westside Connection - (11/30/87) Rev. IN PROGRESS (HS)

The above projects were submitted to Private Drainage with no response as yet.

REPLY TO THIS MEMO.

cc: Farag
D. Smith
Yee
McCabe
Suspense
DS:lp

Dispatched
FEB 4 1988
Bureau of Heavy Construction
Mail Room

RECEIVED
D.E.P./BUREAU OF SEWERS

NOV 25 1987

DIVISION OF
SEWER REGULATION
MANHATTAN

Nat'l Rail

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

NOV 18 1987

To: YEE
11/27/87

Y-40/87

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

32
02

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

FILE: NY, NYC10-1253

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. *SAF 10-560-716 (6-10-94)*

Sincerely,

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

Attachments: One set of Plans and Specifications

NAS/dar