

DISPATCHED

FEB 22 1984

**WATER POLLUTION CONTROL
MAIL ROOM**

February 21, 1984

Seelye Stevenson Value & Knecht, Inc.
Engineers & Planners
99 Park Avenue
New York, NY 10016

RE: North Access Connection 10th Avenue
Tunnel Amtrak, Borough of Manhattan

Dear Sir:

In reply to your submittal of contract drawings with a letter dated January 24, 1984 on the above referenced project, please be advised of the following specific comments of this department:

1. Drawing Nos. C-D2 and C-UT2 show the pressure relief manhole as type A-1 manhole. This is not acceptable as momentum of the storm water in the force main is not being broken. The details should show either the force mains coming at a higher elevation and dropping into the pressure relief manhole or provide an energy dissipating baffle wall in the manhole where the water hits before going to the outlet pipe of the manhole (see enclosed sketch).
2. Make minor corrections as marked in red on drawing. Nos. C-D2, C-UT1 and C-UT2.
3. The computations submitted for the slab for the chamber should be revised as under:
 - i) The slab shall be designed one way slab.
 - ii) The loading to be used will be the greater of the two:
 - a) 1.5K/Sq. Ft. plus own weight.
 - b) H-20 loading (including impact) plus own weight.
 - iii) The slab should be checked for shear and bond.
 - iv) The slab should be checked for lifting and lifting hooks design should be submitted.
 - v) The proposed removable precast R.C. slab shall be set in mortar as shown in DEP standards sheet No. 18 (copy enclosed).

4. Show P.C., P.I., P.T., R and Δ on section A-A drawing No. C-D2.
5. The requirements for steel reinforcement are as under:
 - i) Minimum Steel reinforcement #5.
 - ii) Maximum spacing 12".
 - iii) Steel for stirrups or ties #4 min.
 - iv) No bent up bars.
 - v) No corner bars.
 - vi) Min. steel around opening 3 #6.

Please submit three (3) sets of corrected plans revised in accordance with the above comments and those marked in red on the enclosed set of plans for our review and approval.

ENCLOSURE.

cc: DiMartino
Novotny
Vogel
Oliveri
Farak
Yee/Swedlow (Rm. #929)
Khan/ Henneberger
Aggarwal
Suspense
RA:lp

Very truly yours,

MAGDI FARAG, P.E., ACTING CHIEF
Div. of Sewer Regulation &
Control, Bureau of Sewers

Copy to:
Mr. Harry Kamamis, P.E.,
Director
Mass Transit Coordination
NYC Dept. of Transportation
51 Chambers St., Rm. 423
New York, NY 10007

8002
2.2/84