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**Parsons
Brinckerhoff** *CO*

**Parsons
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Quade &
Douglas, Inc.**

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Engineers
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Cable: Parklap, New York
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July 15, 1987

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

SUBJECT: AMTRAK North Access Tunnel

Dear Mr. Farag:

Enclosed please find:

1. Copy of field survey of trap elevations of:

- o Lincoln Scenic Studios, Inc.
560 West 34th Street
New York, NY 10001
Tel. (212) 244-2700
Mr. Bruce A. Kerner, Vice President
Trap Elevation = 8.16
- o Simplicity Computers
555 West 33rd Street
New York, NY 10001
Tel. (212) 947-0405
Mr. Marolda
Trap/Pit Elevation = 12.92

Survey is conducted by VEP Associates, our subcontractor,
under the guidance of Mr. E. Sela of our office.

The survey was performed on July 13, 1987 by the request of
your office on July 9, 1987.

2. Hydraulic calculations taking into account 15" Ø sanitary siphon
and wiers and hydraulic gradient extending toward the existing
house connections.

Following is the summary of meetings with Bureau of Sewers (BOS)
following our 90% submission dated June 4, 1987.

- o June 29, 1987 meeting in your office and resolution memo to
you dated June 30, 1987.
- o July 2, 1987 meeting with BOS's structural group and memo
to Mr. D. Smith with listing of resolutions.

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- o July 7, 1987 meeting with BOS hydraulics group inconclusive.
- o July 9, 1987 request from BOS for field survey.
- o July 13, 1987 field survey and its findings.
- o July 16, 1987 meeting for final clarification.

We have so far satisfied and complied with all the comments and additions requested by your office. With this submission, we are asking for a final approval of the siphon design which will be submitted to AMTRAK by July 31, 1987 as 100% completion.

Very truly yours,

PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC.



Ahmet Gursoy
Project Manager

Enc.

cc: AMTRAK

AG:jag:3E35