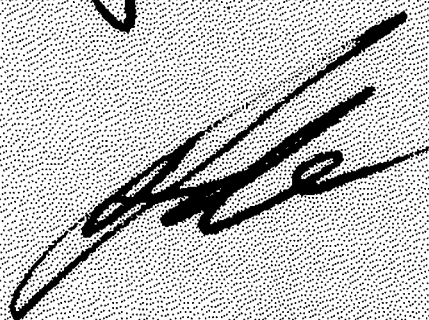


SMITH

3-9-98

Doug!

Enclosed
is Maintenance
Report and
ancillary
correspondence.

A handwritten signature, likely "Kle", written in dark ink.

LATNAME: SWEDLOW (R) (44/AMTRAK) (1)

To:

DOUG SMITH

~~Dispatched~~

MAR 2 1988

Bureau of Heavy Construction
Mail RoomRECEIVED
D.E.P./BUREAU OF SEWERS

MAR - 3 1988

DIVISION OF
SEWER REGULATION
AND CONTROL*Pls. inform
Doug about
the Manhatten
Report on this
Pjct.*

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.

EXNAME: SWEDLOW (11/1. 177/AMTRAK) 01.1

Memorandum to Douglas Smith, P.E.

February 29, 1988

Re: Amtrak

Page 2

- 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

National Rail

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

NOV 25 1987

DIVISION OF
SEWER REGULATION
AND CONTROL

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 T-14).
- 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

Page 2

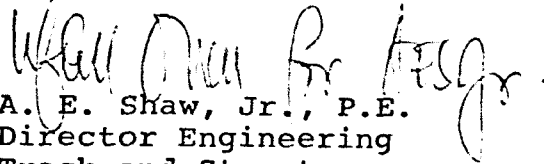
72nd Street (2.1) acres is drained to the City sewer in 72nd Street. Discharge to this sewer is estimated at 3.0 cubic feet per second. After the Trump development and overbuild, of course, discharge will consist only of subsurface drainage, which will be a negligible amount. Our detail for the connection 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.

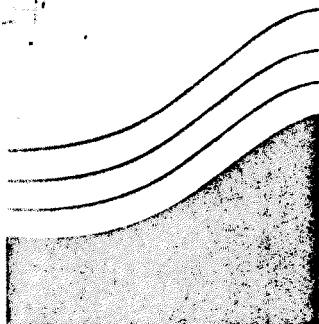
In you have any questions, please contact Norman Satterthwaite at (215) 557-4274. OR (215) 560-7316 (TUE WED)

Sincerely,


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

Attachments: One set of Plans and Specifications

NAS/dar



RECEIVED DIVISION OF SEWERS

1988 MAR -7 AM 10:35

CITY OF NEW YORK
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF WATER SUPPLY
 1250 BROADWAY, NEW YORK, N.Y. 10001

(212) 971-6796

HARVEY W. SCHULTZ
 Commissioner

JOSEPH P. CONWAY, P.E., Director
 Assistant Commissioner

December 9, 1987

To: Magdi Farag, P.E.
 Chief
 Division of Sewer Regulation & Control

From: Anthony Ragucci, P.E.
 Chief,
 Maintenance Section

Subject: I.D. #736 Amtrak leaks on Riverside
 Drive, Manhattan
 D.F.O. 87-139

RECEIVED
 D.E.P./BUREAU OF SEWERS

FEB 19 1988

DIVISION OF
 SEWER REGULATION
 AND CONTROL

In response to a request dated July 21, 1987 regarding leaks on the Amtrak Railroad at the west side connection (Riverside Drive), an engineering investigation was conducted and the following was found.

1) On Riverside Drive and West 147th Street

A leak was observed on the track. Dye tests and T.V. Inspections reveal that the 15" combined sewer at West 147th Street is not connected to the 3'-6"x2'-4" sewer on Riverside Drive as shown in North River drainage area analysis.

The 15" sewer is 4 feet lower than the 3'-6"x2'-4" brick sewer. The 15" sewer would normally go to the river but is now collapsed and the sewage exits through the broken manhole west of Riverside Drive onto the Amtrak Railroad. It is recommended that the 15" combined sewer at West 147th Street and Riverside Drive be connected to the 3'-6"x2'-4" brick sewer under capital project. We will perform trap elevation survey in preparation for the capital project to connect the 15" sewer to the 3'-6"x2'-4" brick sewer.

2) On Riverside Drive and West 144th Street

A leak was detected and a sample analysis and dye test was performed. It was proven to be sewage. A sewer break repair sheet (CC#87S069858) has been submitted to reconstruct the sewer break at West 145th Street between Broadway and Riverside Drive. (See attached sheet).

Magdi Farag, P.E.
Chief,
Division of Sewer Regulation & Control

-2-

December 9, 1987

3) Riverside Drive between West 139th Street and 140th Street

There are low points on Riverside Drive that accumulate runoffs during rainstorms. This accumulation runs down into the Amtrak Area.

a) The west curb line reveal on Riverside Drive between West 139th Street and West 140th Street is 1". (Standard curb line 6").

b) The section Map #2119 from Topographical Bureau on Riverside Drive between west 139th Street and West 140th Street shows good pitch for runoff. (See attached sketch).

It is recommended that a Highway Capital Project be prepared to bring the street pavement to its legal grade so that a rain water will enter the catch basins and ponding will be eliminated.

4) On Riverside Drive and West 146th Street

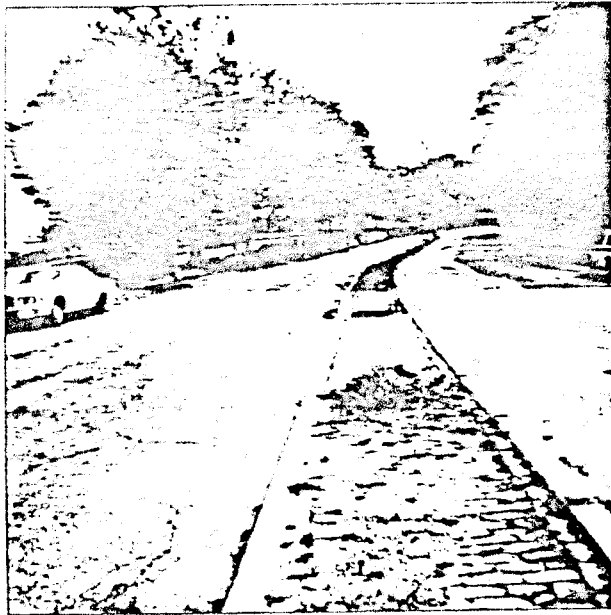
A leak was detected, and a sample analysis was performed. It was proven to be sewage. A sewer break report (CC#87569858) has been submitted to repair the sewer at West 145th Street between Broadway and Riverside Drive. The reconstruction of the sewer would stop the leak. (See attached break sheet).

cc: Rennard/Campagna
Ragucci
Donnellan/Nagy/Nwosu
File

KN:kj
Attachment


Anthony Ragucci, P.E.
Chief,
Maintenance Section

LOCATION #3



N. 140 ST. / RIVERSIDE DRIVE SHOWING
THE GRADES OF THE HWT. FLOODING
CONDITION EXIST AT THIS
LOCATION.

9/17/87

CITY OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF SEWERS
INTER-DEPARTMENTAL MEMORANDUM

August 20, 1987

TO: CHIEF, MAINTENANCE, DIVISION OF SYSTEM OPERATIONS

FROM: CHIEF, DIVISION OF SEWER REGULATION AND CONTROL

SUBJECT: AMTRAK WEST SIDE CONNECTION WEST 139th STREET TO WEST 147th STREET. RIVERSIDE DRIVE

I.D. No. MAIERS 840

Borough MANHATTAN

Brief description of why Maintenance report is required:

Attached are copies of letters from Amtrak and our response.

It is our understanding that personnel from your division have inspected this location and have verified the location of the broken sewers.

Since these sewers are within our jurisdiction please take the appropriate action to have these existing sewer facilities repaired as required.

This matter is urgent since the Amtrak West Side Connection is working on the rehabilitation of tracks in the subject area.

For further information, contact

Irving Ganz (212) 566-3513

MAGDI FARAG, P.E., CHIEF
Division of Sewer Regulation
and Control, Bureau of Sewers

Farag
Uriko
Ganz
Sirico
File
IG/lb
Rm 928

Per

ADO URIKO
ADO URIKO, P.E., CHIEF
Permit Control Section

cc: DiMartino
Gainer
Rennard
Farag
Uriko
Ganz
Sirico
File
IG/lb
Rm 928

Copy to: Mr. Charles S. Foti, P.E.
Director-Mass Transit Coordination
New York City DOT
40 Worth Street
New York, N.Y. 10013

August 11, 1987

A.E. Shaw, Jr, P.E.
Director Engineering
Track and Structures
Amtrak, 200 Market Street
Philadelphia, PA. 10103

Re: Sewer and Water Lines at Amtrak's west side connection, between
West 139th Street & 140th Street, West 144th Street and West 147th
Street, vicinity Riverside Drive, Manhattan.

Dear Mr. Shaw:

This is in response to your letter dated July 21, 1987 concerning broken
sewers and water mains that are spilling water, sewage and sediment onto
the Railroad at the listed locations, see attached part print.

It is our understanding that the Division of Sewer/Water Maintenance
Personnel have inspected the three (3) problem locations and are now
preparing a report with their recommendations as to the appropriate
action to order this repair work.

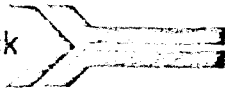
For further information with regard to the status of this report and
repair work contact Mr. R. Gainer at (212) 971-6804.

Sincerely,

MAGDI FARAG, P.E., CHIEF
Division of Sewer Regulation
and Control

National Railroad Passenger Corporation, 2000 Market St., Philadelphia, PA. 19103

Amtrak



JUL 21 1987

FILE: NY, NYC10-1253

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

RECEIVED
 DIVISION OF SEWER REGULATION
 AND CONTROL

JUL 27 1987

RE: Sewer and Water Lines at Amtrak's
 West Side Connection, Borough of Manhattan
 (Formerly Conrail's West 30th Street Branch)

Dear Mr. Farag:

Attached is a copy of my January 30, 1987 letter concerning broken sewers and water mains that are spilling water, sewage, and sediment onto the railroad. We received no response.

We have taken preliminary cleanup action in order to clear the tracks of sediment to permit work train use. However unless the City takes action to correct the source problem, the situation will continue to deteriorate.

The problems are at three locations:

1. At West 147th Street (between Riverside Drive and the railroad), your Mr. Kachi Nwosu identified the problem as a broken sewer main by inspection on October 24, 1986. Raw sanitary sewage is flowing onto the railroad from an abandon sewer line from Riverside Drive.
2. At West 144th Street, there is constant flow of clear water from the ground east of the railroad, apparently from a broken water main. Mr. Nwosu said he would have the water chemically tested to verify this. This also was in October of last year. The water is still flowing and washing silt onto the railroad.
3. Between West 139th and 140th Streets, storm drainage from Riverside Drive is washing silt onto the tracks in ever increasing amounts. This was also confirmed by Mr. Nwosu during our October 1986 inspection.

Our design work on track and drainage rehabilitation is 75% complete (Attached are plans covering the entire length of the project). We are about to begin hauling track materials in by rail. We now have a low bidder prepared to start clearing the right-of-way.

AN EQUAL OPPORTUNITY EMPLOYER

FILE: NY, NYC10-1253

Mr. Magdi Farag, P.E. Chief
Division of Sewer Regulation and Control
Bureau of Sewers

RE: Sewer and Water Lines at Amtrak's
West Side Connection, Borough of Manhattan
(Formerly Conrail's West 30th Street Branch)

Page 2

We need immediate action by the City to make repairs to correct these problems. We cannot wait any longer. Please call me (215) 557-4286 so that we can discuss the matter.

Sincerely,



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

Enclosure: Plan Set, Ltr. dated 1/30/87

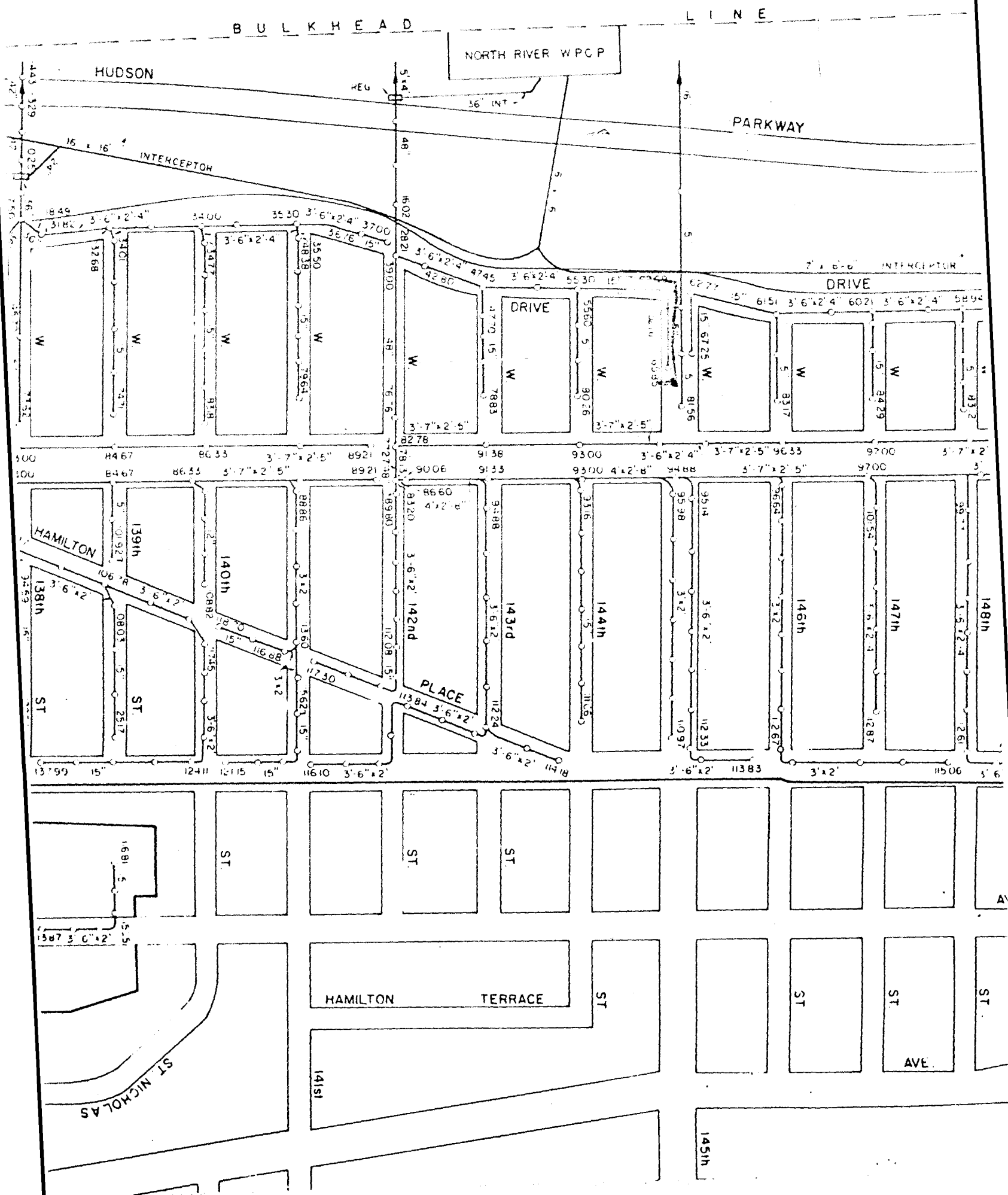
cc: Mr. Charles S. Foti, P.E.
Director-Mass Transit Coordination
New York City DOT
40 Worth Street
New York, NY 10013

M. E. Dunn
I. Oncu
K. P. Felsburg, Jr.

NAS/dar

RECEIVED BUREAU OF SEWERS
1987 JUL 30 AM 11:32
PERMIT CONSTRUCTION SECTION
MANHATTAN

LOG DT 22



LOCATION # 112

SM - 107
REV.: 4/86

DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF SEWERS

PRIORITY

NOTIFICATION OF REQUIRED SEWER RECONSTRUCTION

TO: CHIEF, DIVISION OF SEWER CONSTRUCTION

FROM: CHIEF, DIVISION OF FIELD OPERATIONS

RE: MANHATTAN
BOROUGH

COMM. BD. #

[OTHER]
[SOURCE]

875069858

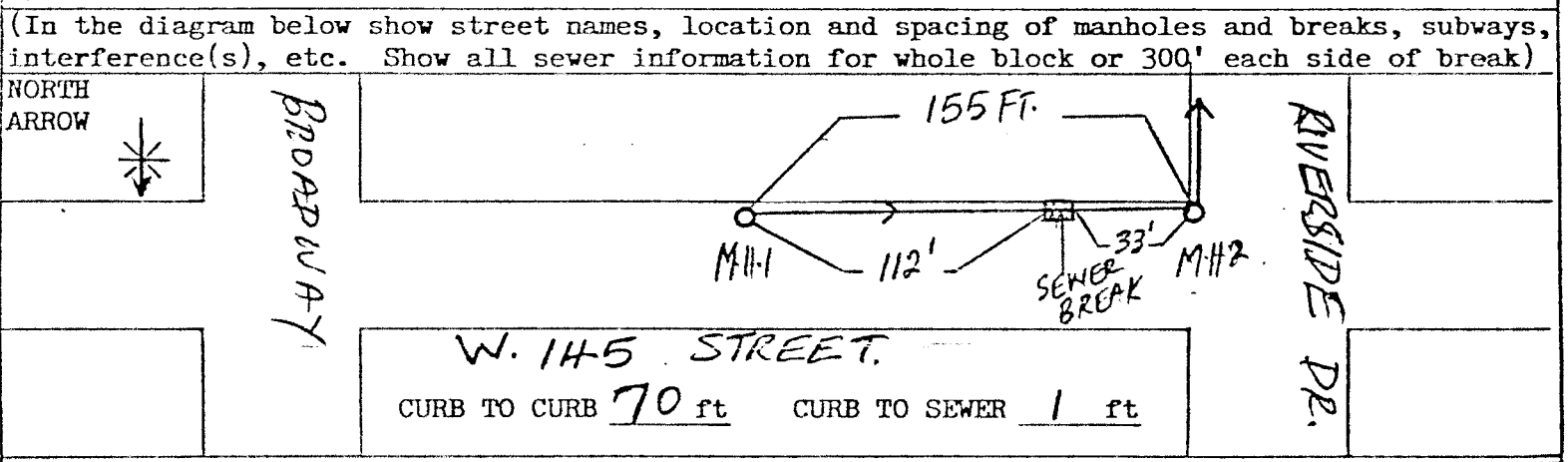
C. C. #

PRIORITY CATEGORY #

☒ T&M
☐ KCP
☐ KVP
☐ QVP
☐ QCP

PLEASE BE ADVISED THAT WE HAVE INSPECTED AND EVALUATED THE SEWER LOCATED AT W. 145
ST. BIT BROADWAY AND RIVERSIDE DRIVE.
AND FOUND THE FOLLOWING CONDITION TO EXIST: A SEWER BREAK LEAK
INTO THE AMTRAK RAILROAD

PUMPING INFORMATION: [] CONTINUOUS [] PERIODIC [] NONE AT THIS TIME



POWER ROD USED ON: _____
MAINTENANCE MATERIAL AT SITE:

- [] PLATES
[] ROD(S)
[] NOZZLE(S)

SEWER
TYPE COMBINED
MATERIAL VIT.
SIZE/SHAPE 15"
DEPTH (ft.) 14'
(Upstream M.H.)
DEPTH (ft.) 14'
(Downstream M.H.)

CONTRACT # _____
SM 107 RECEIVED _____
O.T.W. SENT _____
SM 107 SENT _____
BEGAN PUMPING _____
BEGAN REPAIR _____
COMPLETED REPAIR _____
OTHER ACTION _____
CAPITAL PROJECT _____

KACH NWOSH
ENGINEER

CENTRAL
DISTRICT

8/25/87
DATE INSPECTED

BOROUGH OFFICE CHECK

M. Delis.
SUPERINTENDENT - SEWER SERVICES

8/27/87
DATE PREPARED

ENGINEER - IN - CHARGE

[Signature]
CHIEF, DIVISION OF FIELD OPERATIONS

8/28/87
DATE APPROVED

CHIEF, DIVISION OF SYSTEM PLANNING

cc: DIMARTINO	CORWAY	WATSON (N. O.)	OLIVERI	COMM. BOARD ()
VOGEL	GAINER	ROMANO	CAMPAGNA	N. Y. C. T. A.
SKELLY	GREELEY	SILINONTE	URIKO	CON EDISON
SYNEFAKIS	SALA	HALLIDAY	GORMANLY	B'KLYN UNION GAS
LUTFY	BERTINI	BORFITZ		N. Y. TELEPHONE
FILE	SUPT. ()	YARD ()		

(4)

ENVIRONMENTAL PROTECTION BUREAU OF SEWERS

69257
(P)

TECHNICIAN'S REPORT

Kaelin Nwosu
INVESTIGATOR

DATE: 8-29-87 TIME: _____

- ☐ SEWER BACK-UP ☐ CLOGGED BASIN ☐ MISSING/BROKEN CASTINGS
☐ MANHOLE ODOR ☐ BASIN ODOR ☐ HOUSE LINE PROBLEM
☒ OTHER BROKEN SEWER ☐ C.B. CONNECTION CLOGGED

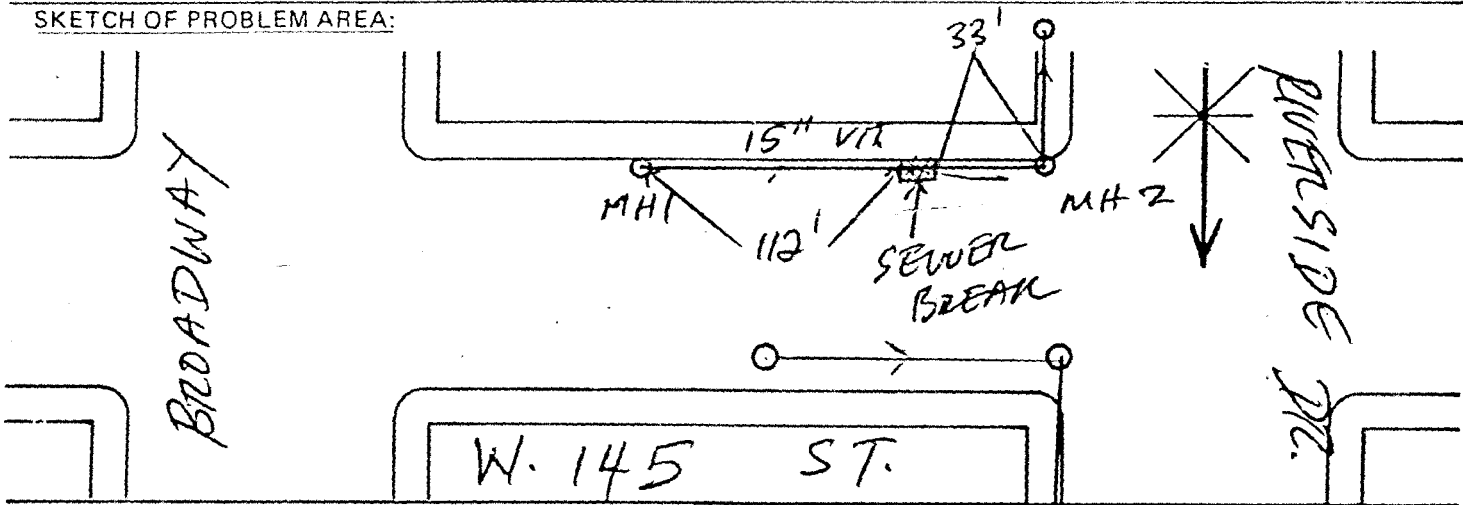
SEWER: ☐ OBSTRUCTED
☐ RUNNING

OTHER PREMISES AFFECTED/INSPECTED: _____

REMARKS/RECOMMENDED ACTION:

SEWAGE LEAK ON AMTRAK.
DYE TEST REVEALED A LEAK AT 112' FROM
M.H. 1 AND 33' FROM M.H. 2. REPAIR REQUESTED

SKETCH OF PROBLEM AREA:



COMPLAINT

- ☐ BROOKLYN ☐ MANHATTAN ☐ BRONX
☐ TELEPHONE ☐ QUEENS ☐ S.I.
 ☐ DEPARTMENT ORDER ☐ MAIL

☐ WATER COMPLAINT NO.: 072062970 - 010557 OPERATOR NUMBER: 435

☒ SEWER DATE RECEIVED: 08/26/87 TIME RECEIVED: 09:47

COMPLAINANT'S NAME: PROGRAM WORK TELE: 212-2719740-8

REPRESENT: P W 1250 B'WAY MANHATTAN COMMUNITY BOARD # 09

COMPLAINANT'S ADDRESS: WEST 145 STREET MANHATTAN NEW YORK

LOCATION OF COMPLAINT: ON WEST 145 STREET BETWEEN

RIVERSIDE DRIVE AND BROADWAY

NATURE OF COMPLAINT: OTHER

REMARKS: BROKEN SEWER

PATCHED BY: 0A19 (REP. CO.) TO (DISTRICT): SM19

E 09:47 DATE: 08/26/87 (REP. CO.) ☐ REDIRECT TO (DISTRICT): _____

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF WATER SUPPLY

TO BE CONNECTED TO THE
3'6" x 2'4" BRICK UNDER
CAPITAL PROJECT.

BROADWAY

DRIVE

DEFECTIVE
DROPWELL
MANHOLE

M.H.5

M.H.4

M.H.3

M.H.3

M.H.2

M.H.1

15"

21' depth

17' depth

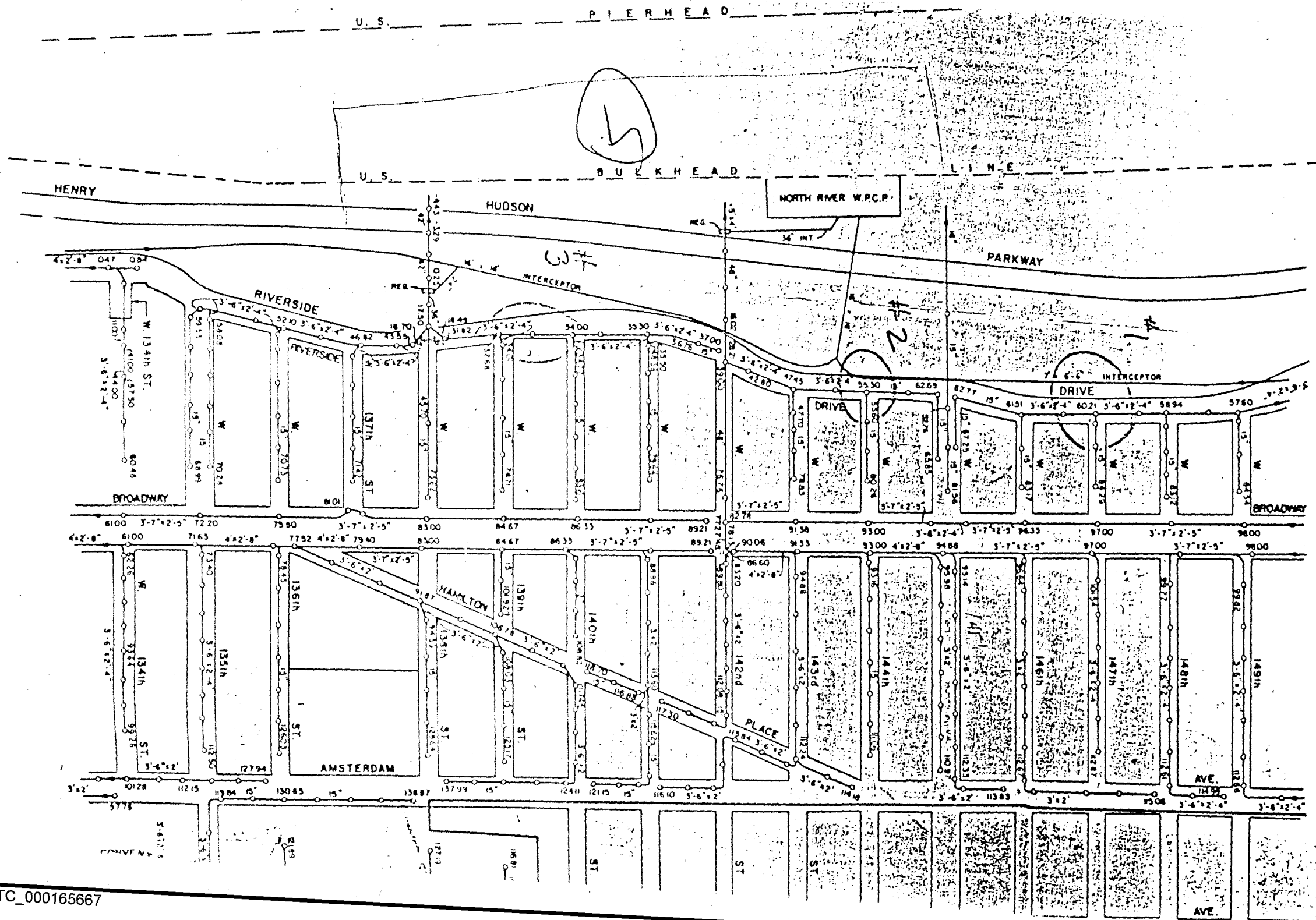
W. 147 ST.

TYPE: COMBINE VIT
SIZE OF SEWER: 15"
DEPTH: 21'

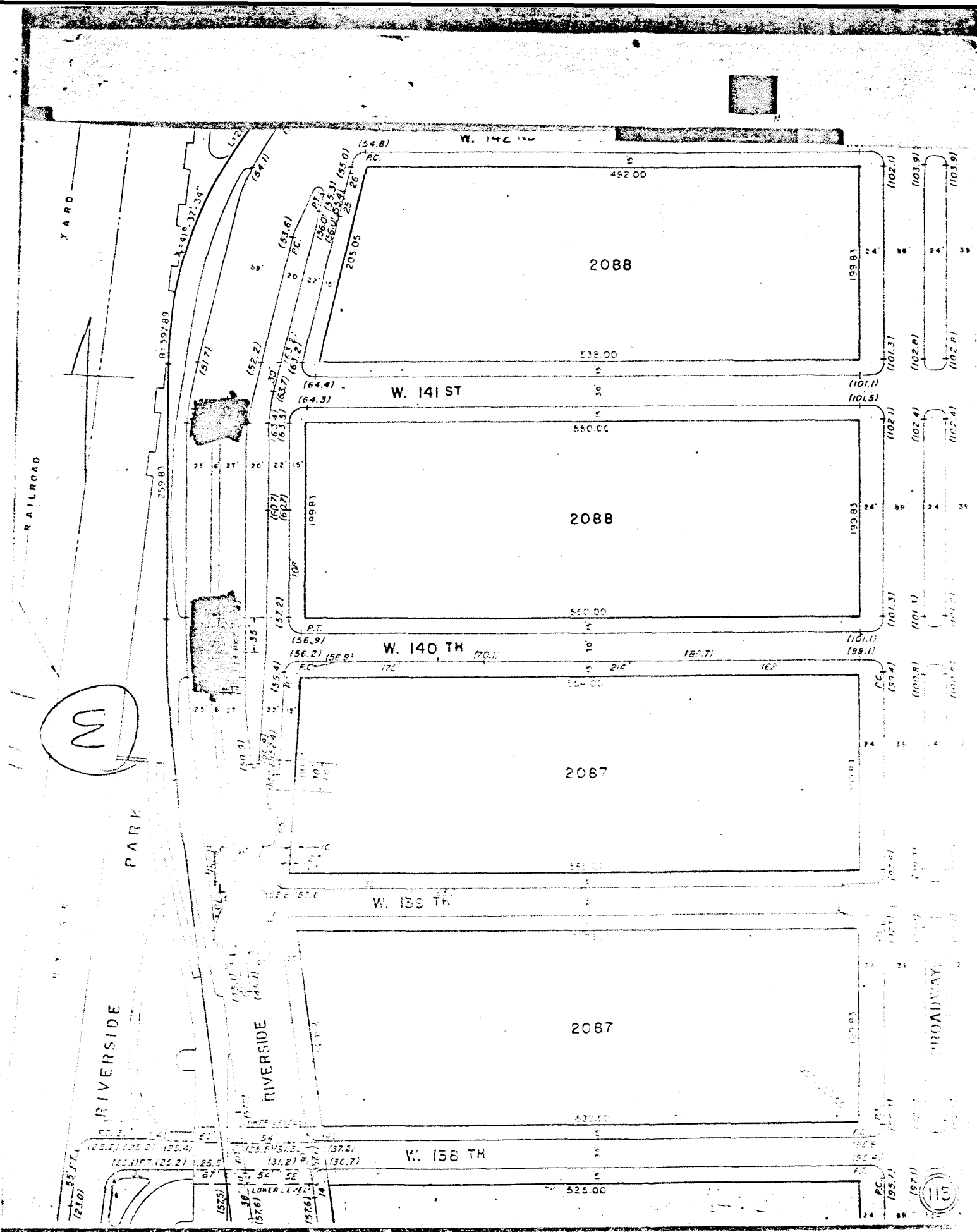
RIVERSIDE

DATE _____

FIELD OPERATION DIVISION
ENGINEERING UNIT







THE CITY OF NEW YORK ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THIS