

July 28, 1983

Mr. James G. Carlock, P.E.,
Project Administrator
World Trade Center Planning
Port Authority of New York & New Jersey
One World Trade Center
New York, NY 10048

RE: WTC 776.00 Church Street Underpass
at Dey Street-New Escalators, Pre-
liminary Drawings, Borough of
Manhattan

Dear Mr. Carlock:

We have completed our review of the preliminary contract drawings submitted with your letter of June 21, 1983. In keeping with our meeting of July 21, 1983, the following point by point discussion should clarify the comments in the marked-up set of plans we are returning.

The submitted plans did not show provisions for support or replacement of the 3'-6" X 2'-4" sewer which runs along the east wall of the BMT Subway in Church Street. The affected area lies approximately between the north and south building lines of Dey Street. Sewer Record Drawing R457, Route 5, Section 1 dated June 19, 1916 shows three (3) distinct types of construction within these limits. Attached are xerox copies of pertinent sections of R457 for your information.

As we discussed in the July 21, meeting it does not seem likely that the brick and concrete sections of sewer can be supported during the proposed construction, i.e., underpinning of Citibank, driving of soldier beams and temporary support of the subway roof at the escalator opening.

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With this in mind a scheme was developed which included the following:

- 1) A new special "L" shaped manhole would be constructed on the sewer at the north building line in place of proposed Manhole No. 3. Special attention would be given to the existing telephone ducts which may require partial relocation.
- 2) A new manhole would be constructed on the sewer at the transition to the special 3'-6" X 2'-4" Cast Iron Section located approximately 3.5 feet south of the south curbline.
- 3) The two catch basin cleanout manholes would be abandoned or removed as required. Two new catch basins should replace the corner Granite Head inlets. These basins would be connected directly to the new manholes described in 1 and 2.
- 4) Between the two manholes described in 1 and 2 the sewer will be replaced with a 36" Ductile Iron Pipe.

There are also several other modifications marked in red on the enclosed set of plans.

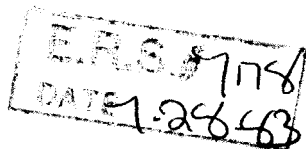
We are also furnishing a copy of our standard specifications for your information.

As discussed it may be advantageous to establish another working meeting prior to submission of revised contract drawings. Please feel free to contact Mr. Magdi Farag, P.E., at 566-5616 for assistance.

cc: DiMartino
Novotny
Farag
Nagy
Suspense
MN:lp

Very truly yours,

FREDERICK NOVOTNY, P.E., CHIEF
Division of Sewer Regulation
and Control, Bureau of Sewers



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STATE OF NEW YORK
PUBLIC SERVICE COMMISSION
FOR THE FIRST DISTRICT
ENGINEERING DEPT. - SEWER DIVISION

RECORD DRAWING OF SEWERS
CHURCH ST. CORTLANDT ST. TO DEY ST.
ROUTE NO. 5 SECTION NO. 1

DWG. NO. **R. 457**

FILE NO. **E.I.**

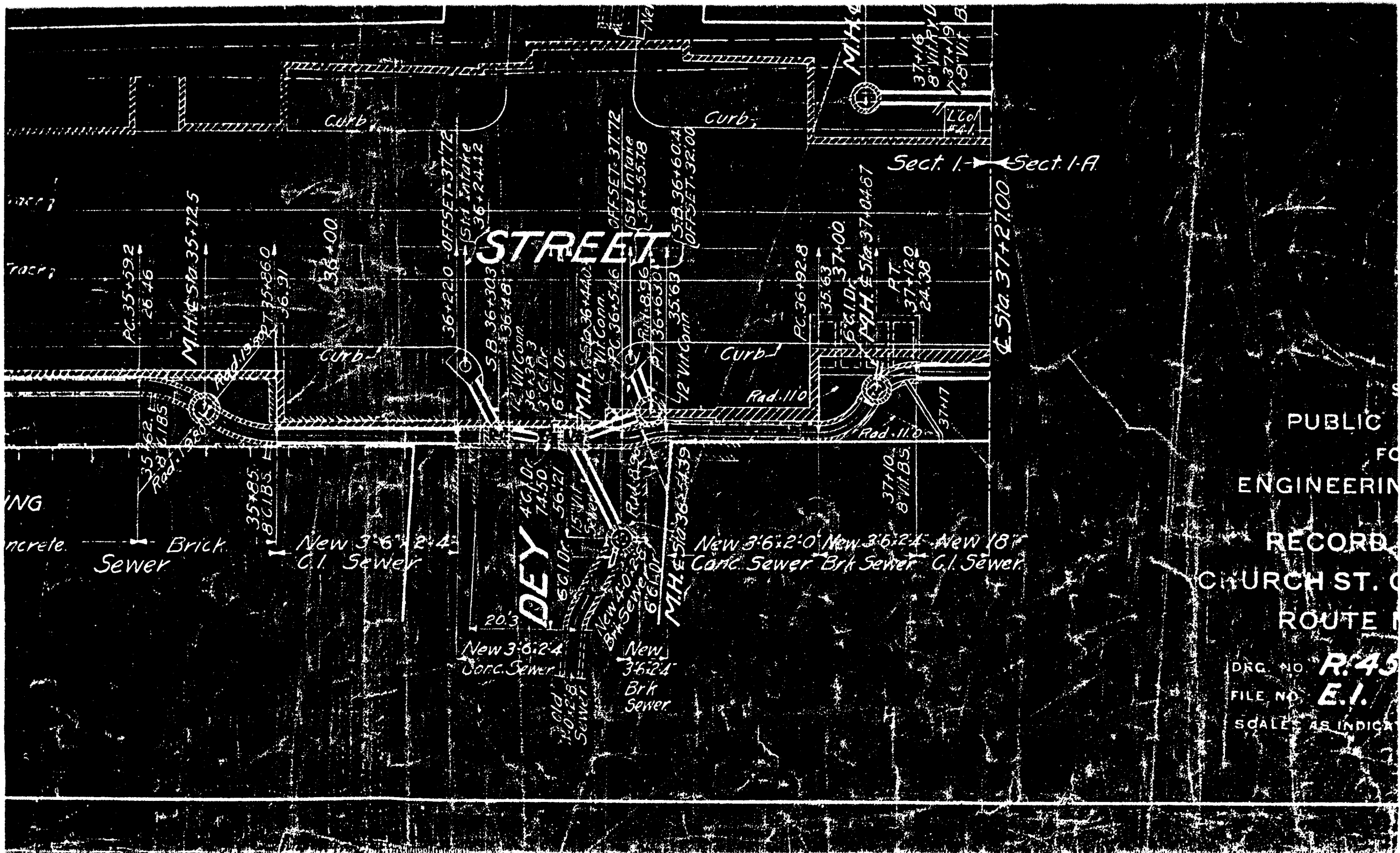
SCALE AS INDICATED

DATE *June 19 1916*

DRAWN BY *F.W. Bailey*

CHECKED BY *W.L. Tennesen*

CHIEF ENGINEER



Base of Rail

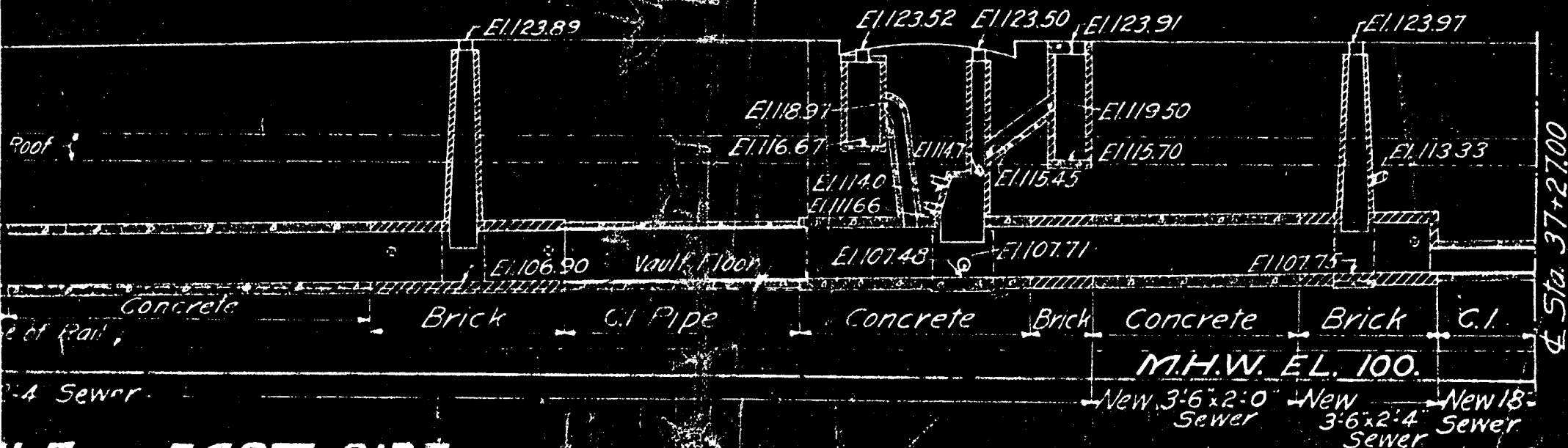
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New 15" Vit. Se

M.H.W. EL. 100

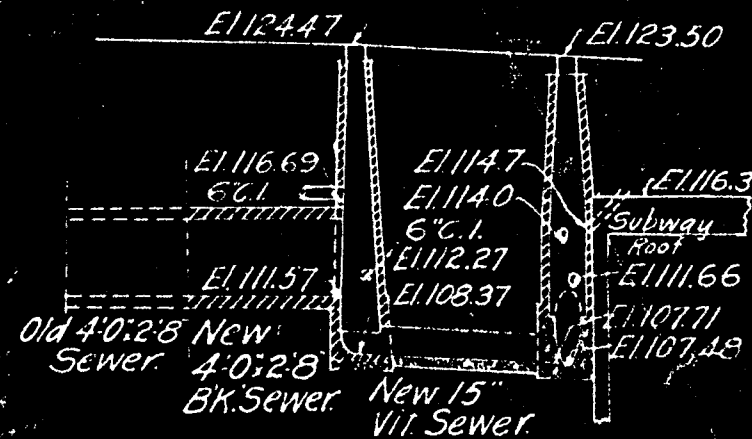
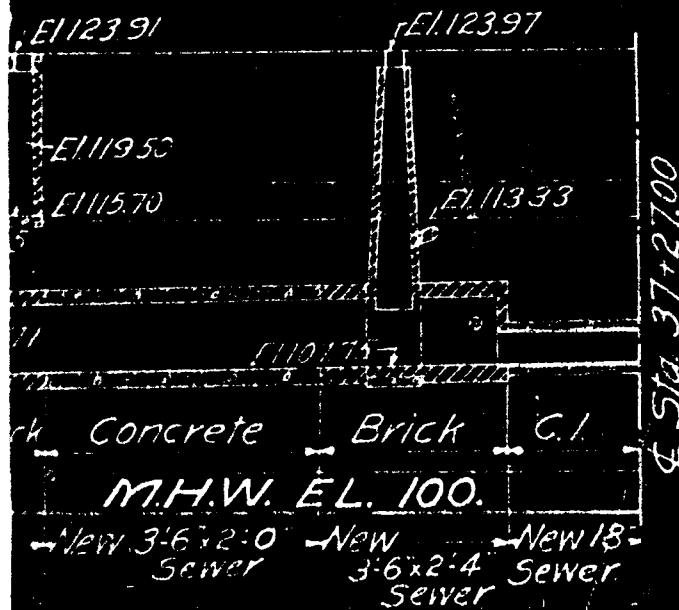
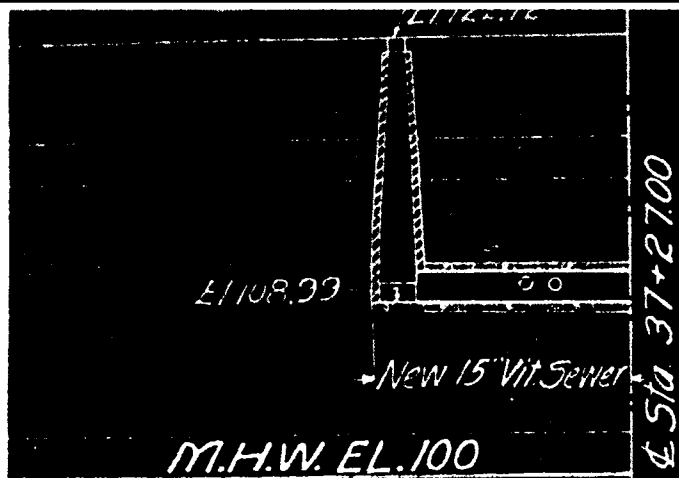
ILE WEST SIDE.

SCALES { HOR 1"=20'-0"
VERT 1"=10'-0"



ILE EAST SIDE.

SCALES { HOR 1"=20'-0"
VERT 1"=10'-0"



PROFILE - DEY ST.

SCALES: (HOR. 1" = 20'-0"
VERT. 1" = 10'-0")