

RECEIVED
ENVIRONMENTAL PROTECTION

APR 5 1982

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April 1, 1982

[Handwritten signature]

TO: FAHAG
4/28/82

BUREAU OF SEWERS

John DeMartino, Director
Bureau of Sewers
City of New York
Department of Environmental Protection
40 Worth Street
New York, N.Y. 10013

Clarke + Rapuano Inc
Consulting Engineers
Landscape Architects
215 Lexington Ave
New York NY 10016
212 725 2121

Dear Mr. DeMartino:

Intrepid Museum-Pier 86

You will find attached a concrete core report,
including a location plan for the four cores taken.

Cores No. 2, 3 and 4 were made into the slab and
walls of the twin barrel sewer that runs along the
centerline of Pier 86 in the immediate vicinity of
the proposed entrance/utility building serving the
USS Intrepid Museum activities. They indicate
compressive strengths of 2896, 3846 and 3891 psi.

Core No. 1 was taken to establish the soundness
of the concrete in the existing pier that will sup-
port a significant portion of the proposed building.
The 3846 psi compressive strength found is satis-
factory for the purpose of our design.

Yours very truly,

[Handwritten signature of Raymond J. Heimbuch]
Raymond J. Heimbuch
President

cc + encl.: J. Medler, Portsand Terminals
H. Kistler, URS
R. Bissachia, IMF
R. Woodfield
P. Martecchini

ENCLOSURE # 4795
DATE 4.28.82

Independent Testing Laboratories, Inc.

Locations in New York and New Jersey

129-11 18th AVENUE - COLLEGE POINT, N. Y. 11356 - (212) 961-8530

March 25, 1982

Client: Morse Diesel Incorporated
1133 Avenue of the Americas
New York, New York 10036

Project: Intrepid Museum
New York, New York

Subject: Compressive Tests of Concrete Cores.

Location: Sewer Outlet

Date Tested: 3/20/82

Core No.	1	2	3	4
Specific Gravity	2.405	2.402	2.407	2.411
Wt./ Cu. Ft.	150.06	149.87	150.20	150.45
Coarse Aggregate	---	CRUSHED STONE	---	---
Height Recv'd	8.0	11.5	11.0	10.75
Ends Sawed	7.250	7.250	7.250	7.250
Height Capped	7.500	7.500	7.500	7.500
Diameter	3.750	3.750	3.750	3.750
Area (Sq. in.)	11.05	11.05	11.05	11.05
Hght/Dia. Ratio	2.000	2.000	2.000	2.000
Factor	1.000	1.000	1.000	1.000
Load Lbs.	42,500	43,000	42,500	32,000
P.S.I.	3846	3891	3846	2896
Corrected P.S.I.	3846	3891	3846	2896

E.P.S. #4745
DATE 4-19-82

Independent Testing Laboratories, Inc.

Locations in New York and New Jersey

129-11 18th AVENUE - COLLEGE POINT, N. Y. 11356 - (212) 961-8530

Core # 1

Location: Core thru pier 6'10½" south of sewer.

Thickness of Core: 8 inches

Remarks: Condition of wearing surface was good. No rebar was found.

Core #2

Location: Core thru South East end of sewer

Thickness of core: 15 3/4"

Remarks: Core was broken at 12" depth to attain full depth.
Condition of wearing surface was good.

Core #3

Location: Core thru North East end of sewer

Thickness of core: 16

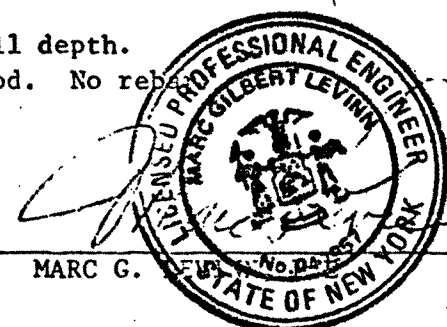
Remarks: Core was broken at 12" to attain full depth.
Condition of wearing surface was good. No rebar was found.

Core #4

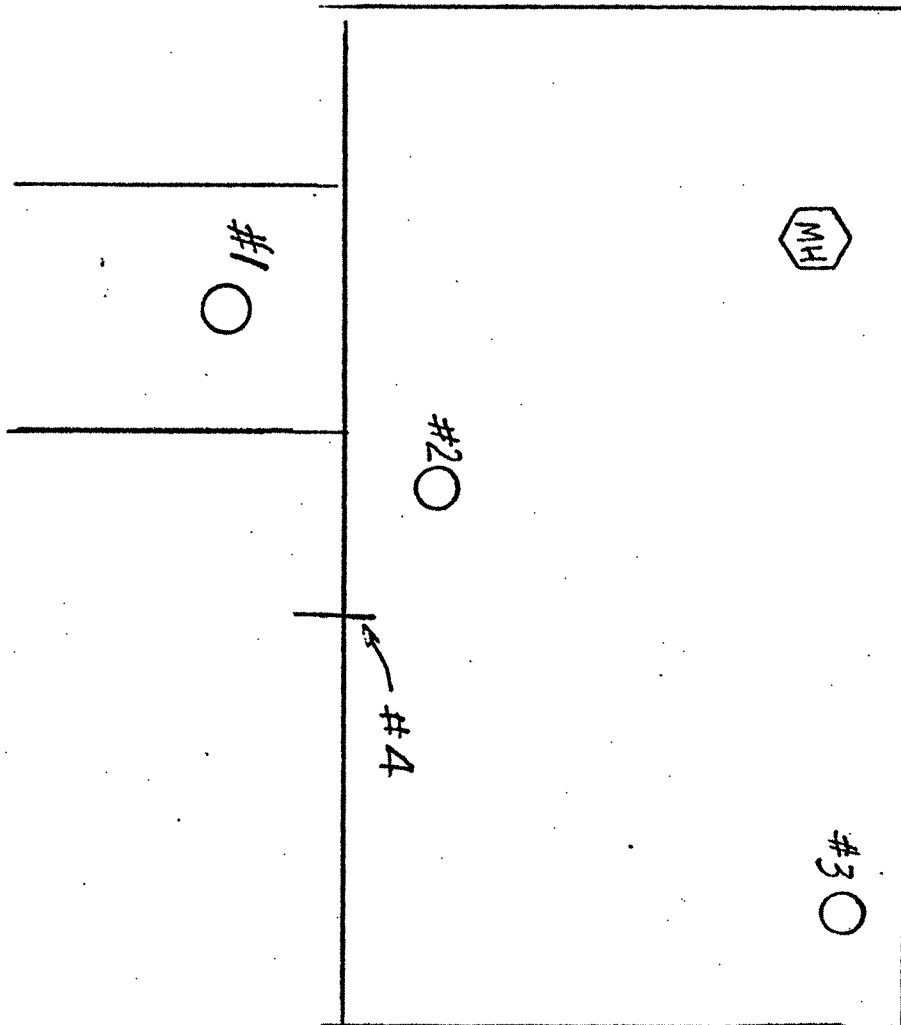
Location: Core on South wall

Thickness of core: 15"

Remarks: Core was broken at 12" to attain full depth.
Condition of wearing surface was good. No rebar was found.



Flow
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KEY PLAN OF CORES - OUR FLOW
at 46th ST - INTERIOR MUSEUM

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