

#226-920 CONGRESS ST. LAMP (PAPER LAMP)  
COR. CHINA ST.

SHAW-WALKER

FILE WITH  
ME MEM  
PLANNING  
STRUCTURE

October 15, 1971

Mr. Philip Ricman, Executive Director  
Maine Medical Center  
22 Eramhall Street  
Portland, Maine

Dear Mr. Ricman:

This letter is to confirm the Planning Board's approval of the access onto both Congress and Gilman Street from Maine Medical Center's Parking Structure.

We have also notified the Public Works Department of the Planning Board's concern for the eventual need for traffic signalization at the Congress - Gilman Street intersection.

The Planning Board is excited about your garage plans as well as your entire complex. We will gladly work closely with you in the further effectuation of your plans.

Sincerely,

Donald E. Megathlin, Jr.  
Planning Director

cc: Building & Inspection Dept.  
Public Works Department

DEM/gk

886-920 Congress Street  
corner Gilman Street

Sept. 16, 1971

O. M. Martinson Construction Company  
305 E 63rd Street  
New York, N. Y., 10021

Gentlemen:

We are issuing you the permit for construction of a foundation and footing only at the parking ramp of the Maine Medical Center at the above location.

As previously discussed with you this permit could not legally be issued until such time as the Municipal Officers had approved the amendment to the Building Code, and we had waited a 30 day period.

At this point I would like to suggest that the permit be taken out for the balance of the structure above what you would consider as footings and foundation.

Very truly yours,

R. Lovell Brown  
Director

RLB:M

22 Bramhall Street

August 29, 1972

Maine Medical Center  
22 Bramhall Street  
Att: Donald W. Bail

Dear Mr. Bail:

In response to your letter of August 18, 1972 for request of use of the upper levels as per that letter, we have reviewed this by field inspections and find that there is no sufficient reason why you should not be able to use this area.

When the building is completed then we will re-inspect and be able to issue you a full certificate of occupancy at that time.

Very truly yours,

R. Lovell Brown  
Director

RLB:m



MAINE MEDICAL CENTER  
PORTLAND, MAINE 04102

August 18, 1972

Department of Building Inspection  
City Hall  
389 Congress Street  
Portland, Maine

Att: R. Lovell Brown

Dear Mr. Brown:

We respectfully request consideration for approval of partial occupancy of the Maine Medical Center Parking Ramp. This would include the upper levels denoted as K, L, M, N, O with top access and exit only for vehicles.

Our desire to proceed with this operation stems from the continuing traffic congestion that haunts us around the Medical Center, the expected August start on the New Diagnostic Facility, and our own desire to gradually train our people in this parking operation.

Martinson has stated that such partial occupancy is practical with substantially incomplete items being only the Congress Street stairtower and elevators.

Yours truly,

Donald W. Bail  
Administrative Engineer

DWB/jp

cc: S. Cummings  
E. Loubier

Client: Maine Medical Center	Address: Portland, Maine		Phone No.
Project Name: Parking Garage	Project Location: Congress Street, Portland		Job Phone No.
Job Number: 7104240C	Date: 12-13-72	Test Date: 12-12-72	By: George L. Bickford

[illegible]

TABLE 3 - FACTORS FOR COMPUTING WITHIN-TEST  
STANDARD DEVIATION\*

Number of Specimens	$d_2$	$1/d_2$
2	1.128	0.8865
3	1.693	0.5907
4	2.059	0.4857
5	2.326	0.4299
6	2.534	0.3946
7	2.704	0.3698
8	2.847	0.3512
9	2.970	0.3367
10	3.078	0.3249

\* From Table B2, "Manual on Quality Control of Materials", ASTM Special Technical Publication No. 15-C.

NOTE: Table may be used to report as many as ten tests.

USING TABLE 3 (Ex. 3 test report)

Assume Moh's #4 Aggregate

Exposed Probe Height

A	B	C
1.800 inch	1.750 inch	1.825 inch
psi conversion from Windsor column #4		
5100 psi	4750 psi	5275 psi

Range = 5275 (Hi) - 4750 (Low) = 525 psi

Std. Dev. = Range  $\times$  0.5907. (from Table 3)

Thus:  $575 \times .5907 = 310$  (Std. Dev.)

Coeff. of Var. = Std. Dev.  $\div$  Av. psi  $\times 100$   
or  
 $310 \div 5041$  (av.) = .614  $\times 100 = 6.14\%$

AMERICAN CONCRETE INSTITUTE

COPY

STANDARD 214-65

TABLE 2 - STANDARDS OF CONCRETE CONTROL

Class of operation	Coefficient of variation for different control standards			
	Excellent	Good	Fair	Poor
Over-all variation: General construction	Below 10.0	10.0 to 15.0	15.0 to 20.0	Above 20.0
Laboratory Control	Below 5.0	5.0 to 7.0	7.0 to 10.0	Above 10.0
Within-test variations: Field control	Below 4.0	4.0 to 5.0	5.0 to 6.0	Above 6.0
Laboratory Control	Below 3.0	3.0 to 4.0	4.0 to 5.0	Above 5.0

Note: These standards represent the average for 28-day cylinders computed from a large number of tests. Different values for other than average concretes can be expected.

CONSOLIDATED CONSTRUCTORS AND BUILDERS, INC.

P. O. BOX 4058, STATION A

616 CONGRESS STREET, PORTLAND, MAINE 04101

207 774-2828

August 31, 1972

Mr. R. Lovell Brown, Director  
Building Inspection and Services  
City Hall  
Portland, Maine 04111

Re: Parking Ramp Site Improvements  
Maine Medical Center

Dear Sir:

Enclosed is a check for Three Dollars (\$3.00) in payment for a Building Permit to construct a retaining wall as part of our Parking Ramp Site Improvements Project at the Maine Medical Center.

We estimate the cost of the retaining wall to be One Thousand Two Hundred Dollars.

We enclose TAC drawings R3 which details location and R5 which indicates construction in section 10.

Very truly yours,

CONSOLIDATED CONSTRUCTORS AND BUILDERS, INC.

*Peter E. Sullivan*  
Peter E. Sullivan

PES:pc

CC: Wm. Stanton





R6 RESIDENCE ZONE  
APPLICATION FOR PERMIT  
Class of Building or Type of Structure \_\_\_\_\_ September 5, 1972  
Portland, Maine, \_\_\_\_\_

PERMIT ISSUED

SEP 6 1972  
01044

CITY of PORTLAND

To the INSPECTOR OF BUILDINGS PORTLAND, MAINE

The undersigned hereby applies for a permit to erect alter repair demolish install the following building structure equipment in accordance with the Laws of the State of Maine, the Building Code and Zoning Ordinance of the City of Portland, plans and specifications, if any, submitted herewith and the following specifications:

Location 886-920 Congress Street Within Fire Limits? \_\_\_\_\_ Dist. No. \_\_\_\_\_  
Owner's name and address Maine Medical Center, 22 Bramhall St. Telephone \_\_\_\_\_  
Lessee's name and address \_\_\_\_\_ Telephone \_\_\_\_\_  
Contractor's name and address Consolidated Constructors and Builders, Inc. Telephone \_\_\_\_\_  
Architect 616 Congress St. Specifications \_\_\_\_\_ Plans yes No. of sheets 2  
Proposed use of building \_\_\_\_\_ No. families \_\_\_\_\_  
Last use \_\_\_\_\_ No. families \_\_\_\_\_  
Material \_\_\_\_\_ No. stories \_\_\_\_\_ Heat \_\_\_\_\_ Style of roof \_\_\_\_\_ Roofing \_\_\_\_\_  
Other buildings on same lot \_\_\_\_\_  
Estimated cost \$ 1000. Fee \$ 3.00

General Description of New Work

To construct retaining wall as per plans

It is understood that this permit does not include installation of heating apparatus which is to be taken out separately by and in the name of the heating contractor. PERMIT TO BE ISSUED TO contractors

Details of New Work

Is any plumbing involved in this work? \_\_\_\_\_ Is any electrical work involved in this work? \_\_\_\_\_  
Is connection to be made to public sewer? \_\_\_\_\_ If not, what is proposed for sewage? \_\_\_\_\_  
Has septic tank notice been sent? \_\_\_\_\_ Form notice sent? \_\_\_\_\_  
Height average grade to top of plate \_\_\_\_\_ Height average grade to highest point of roof \_\_\_\_\_  
Size, front \_\_\_\_\_ depth \_\_\_\_\_ No. stories \_\_\_\_\_ solid or filled land? \_\_\_\_\_ earth or rock? \_\_\_\_\_  
Material of foundation \_\_\_\_\_ Thickness, top \_\_\_\_\_ bottom \_\_\_\_\_ cellar \_\_\_\_\_  
Kind of roof \_\_\_\_\_ Rise per foot \_\_\_\_\_ Roof covering \_\_\_\_\_  
No. of chimneys \_\_\_\_\_ Material of chimneys \_\_\_\_\_ of lining \_\_\_\_\_ Kind of heat \_\_\_\_\_ fuel \_\_\_\_\_  
Framing Lumber-Kind \_\_\_\_\_ Dressed or full size? \_\_\_\_\_ Corner posts \_\_\_\_\_ Sills \_\_\_\_\_  
Size Girder \_\_\_\_\_ Columns under girders \_\_\_\_\_ Size \_\_\_\_\_ Max on centers \_\_\_\_\_  
Studs (outside walls and carrying partitions) 2x4-16" O. C Bridging in every floor and flat roof span over 8 feet.  
Joists and rafters: 1st floor \_\_\_\_\_, 2nd \_\_\_\_\_, 3rd \_\_\_\_\_, roof \_\_\_\_\_  
On centers: 1st floor \_\_\_\_\_, 2nd \_\_\_\_\_, 3rd \_\_\_\_\_, roof \_\_\_\_\_  
Maximum span: 1st floor \_\_\_\_\_, 2nd \_\_\_\_\_, 3rd \_\_\_\_\_, roof \_\_\_\_\_  
If one story building with masonry walls, thickness of walls? \_\_\_\_\_ height? \_\_\_\_\_

If a Garage

No. cars now accommodated on same lot \_\_\_\_\_, to be accommodated \_\_\_\_\_ number commercial cars to be accommodated \_\_\_\_\_  
Will automobile repairing be done other than minor repairs to cars habitually stored in the proposed building? \_\_\_\_\_

APPROVED:

O.K. E.B. 9/6/72

Miscellaneous

Will work require disturbing of any tree on a public street? \_\_\_\_\_  
Will there be in charge of the above work a person competent to see that the State and City requirements pertaining thereto are observed? yes

Maine Medical Center  
Consolidated Constructors and Builders, Inc.

CS 301

INSPECTION COPY

Signature of owner By: SUBMITTED WITH LETTER BY MR. PETER SULLIVAN  
C.C. & B. INC.

Permit No. 72/ 1044

Location 886-920 Congress St.

Owner Marie Medical Center

Date of permit 9/ 6 / 72

Notif. closing-in

Inspn. closing-in

Final Notif.

Final Inspn.

Cert. of Occupancy issued

Staking Out Notice

Form Check Notice NELSON

NOTES

**APPLICATION FOR PERMIT**

Class of Building or Type of Structure \_\_\_\_\_

Portland, Maine, \_\_\_\_\_

June 16, 1972

JUN 22 1972

**0708**  
**CITY of PORTLAND**

To the INSPECTOR OF BUILDINGS, PORTLAND, MAINE:

The undersigned hereby applies for a permit to erect alter repair demolish install the following building structure equipment in accordance with the Laws of the State of Maine, the Building Code and Zoning Ordinance of the City of Portland, plans and specifications, if any, submitted herewith and the following specifications:

Location 836-844 Congress St. Within Fire Limits? \_\_\_\_\_ Dist. No. \_\_\_\_\_  
Owner's name and address Maine Medical Center, parking Garage Telephone \_\_\_\_\_  
Lessee's name and address \_\_\_\_\_ Telephone \_\_\_\_\_  
Contractor's name and address Martinson Constr. Co., 305 E. 63rd St., N.Y., N.Y. 10021 Telephone \_\_\_\_\_  
Architect \_\_\_\_\_ Specifications \_\_\_\_\_ Plans \_\_\_\_\_ No. of sheets \_\_\_\_\_  
Proposed use of building Parking garage No. families \_\_\_\_\_  
Last use Concrete No. families \_\_\_\_\_  
Material BRICK No. stories 7 Heat \_\_\_\_\_ Style of roof \_\_\_\_\_ Roofing \_\_\_\_\_  
Other buildings on same lot \_\_\_\_\_  
Estimated cost \$ 100,000. Fee \$ 300.

**General Description of New Work**

To construct stair tower #2 - Maine Medical parking garage

It is understood that this permit does not include installation of heating apparatus which is to be taken out separately by and in the name of the heating contractor. **PERMIT TO BE ISSUED TO** Will pick up

**Details of New Work**

Is any plumbing involved in this work? \_\_\_\_\_ Is any electrical work involved in this work? \_\_\_\_\_  
Is connection to be made to public sewer? \_\_\_\_\_ If not, what is proposed for sewage? \_\_\_\_\_  
Has septic tank notice been sent? \_\_\_\_\_ Form notice sent? \_\_\_\_\_  
Height average grade to top of plate \_\_\_\_\_ Height average grade to highest point of roof \_\_\_\_\_  
Size, front \_\_\_\_\_ depth \_\_\_\_\_ No. stories \_\_\_\_\_ solid or filled land? \_\_\_\_\_ earth or rock? \_\_\_\_\_  
Material of foundation \_\_\_\_\_ Thickness, top \_\_\_\_\_ bottom \_\_\_\_\_ cellar \_\_\_\_\_  
Kind of roof \_\_\_\_\_ Rise per foot \_\_\_\_\_ Roof covering \_\_\_\_\_  
No. of chimneys \_\_\_\_\_ Material of chimneys \_\_\_\_\_ of lining \_\_\_\_\_ Kind of heat \_\_\_\_\_ fuel \_\_\_\_\_  
Framing Lumber-Kind \_\_\_\_\_ Dressed or full size? \_\_\_\_\_ Corner posts \_\_\_\_\_ Sills \_\_\_\_\_  
Size Girder \_\_\_\_\_ Columns under girders \_\_\_\_\_ Size \_\_\_\_\_ Max. on centers \_\_\_\_\_  
Studs (outside walls and carrying partitions) 2x4-16" O. C. Bridging in every floor and flat roof span over 8 feet.  
Joists and rafters: 1st floor \_\_\_\_\_, 2nd \_\_\_\_\_, 3rd \_\_\_\_\_, roof \_\_\_\_\_  
On centers: 1st floor \_\_\_\_\_, 2nd \_\_\_\_\_, 3rd \_\_\_\_\_, roof \_\_\_\_\_  
Maximum span: 1st floor \_\_\_\_\_, 2nd \_\_\_\_\_, 3rd \_\_\_\_\_, roof \_\_\_\_\_  
If one story building with masonry walls, thickness of walls? \_\_\_\_\_ height? \_\_\_\_\_

**If a Garage**

No. cars now accommodated on same lot \_\_\_\_\_, to be accommodated \_\_\_\_\_ number commercial cars to be accommodated \_\_\_\_\_  
Will automobile repairing be done other than minor repairs to cars habitually stored in the proposed building? \_\_\_\_\_

**APPROVED:**0-6-6122/72-006**Miscellaneous**

Will work require disturbing of any tree on a public street? \_\_\_\_\_  
Will there be in charge of the above work a person competent to see that the State and City requirements pertaining thereto are observed? \_\_\_\_\_

CS 301

INSPECTION COPY

Signature of owner

Leon Brindley, Jr. Martinson Const. Corp.

NOTES

5-1-73 Ready for  
glass walls PW

6-14-73  
Completed PW

X

Permit No. 72/0708

Location 836-844 Congress St

Owner Marine Medical Center

Date of permit 6/22/72

Notif. closing-in \_\_\_\_\_

Inspn. closing-in \_\_\_\_\_

Final Notif. \_\_\_\_\_

Final Inspn. \_\_\_\_\_

Cert. of Occupancy issued \_\_\_\_\_

Staking Out Notice \_\_\_\_\_

Form Check Notice \_\_\_\_\_

# FIELD IN-PLACE UNIT WEIGHT TEST REPORT

PROJECT PARKING GARAGE, MAIN MEDICAL CENTER

LOCATION Portland, Maine

CONTRACTOR O. M. MARTINSON

FILE NO. 2701

REPORT NO. 35

DATE 25 Mar 1972

SHEET 1 OF 1

[illegible]

REMARKS: (1) 7' BELOW TOP OF PEDESTRIAN WALK  
(2) 4' BELOW TOP OF AUTOMOTIVE LAMP

HAR ALDRICH  
INSPECTOR

# FIELD INSPECTOR'S DAILY REPORT

PROJECT PARKING GARAGE, MAINE MEDICAL CENTER File No. 2701  
PORTLAND, MAINE Report No. 37  
 CLIENT O.M. MARTINSON, NEW YORK, NEW YORK Date 10 April 1972  
 CONTRACTOR O.M. MARTINSON, NEW YORK, NEW YORK Page 1 of 1  
 Weather Fair Temp. 55° Inspection Time 1000 - 1430 Hours 4  
 Other time (travel, ~~preparation, etc.~~)                      TOTAL: 8 hours

The Contractor used a vibratory roller to compact material placed on 7 April in the fill area on the A-line side of the garage.

Current Elev. of compact fill - 115.5+

Proposed Elev. of bottom of pedestrian and auto bridge footings - 115.0

The Inspector observed the above stated operations of the Contractor and performed 3 Field Unit Weight tests with the results shown on the attached sheet.

Haley & Aldrich inspection is terminated this date.

## DISTRIBUTION:

O.M. Martinson (2)  
 Mr. Robert Brown (1)  
 Mr. James F. Haley (1)

R. Fitzgerald  
 Inspector

*M.C. Murphy*  
 Haley & Aldrich, Inc.  
 Consulting Soil Engineers

PROJECT Maine Medical Center

CONTRACTOR Martinson

LOCATION Portland, Maine

FILE NO. 2701

REPORT NO. 37

DATE 10 April 1972

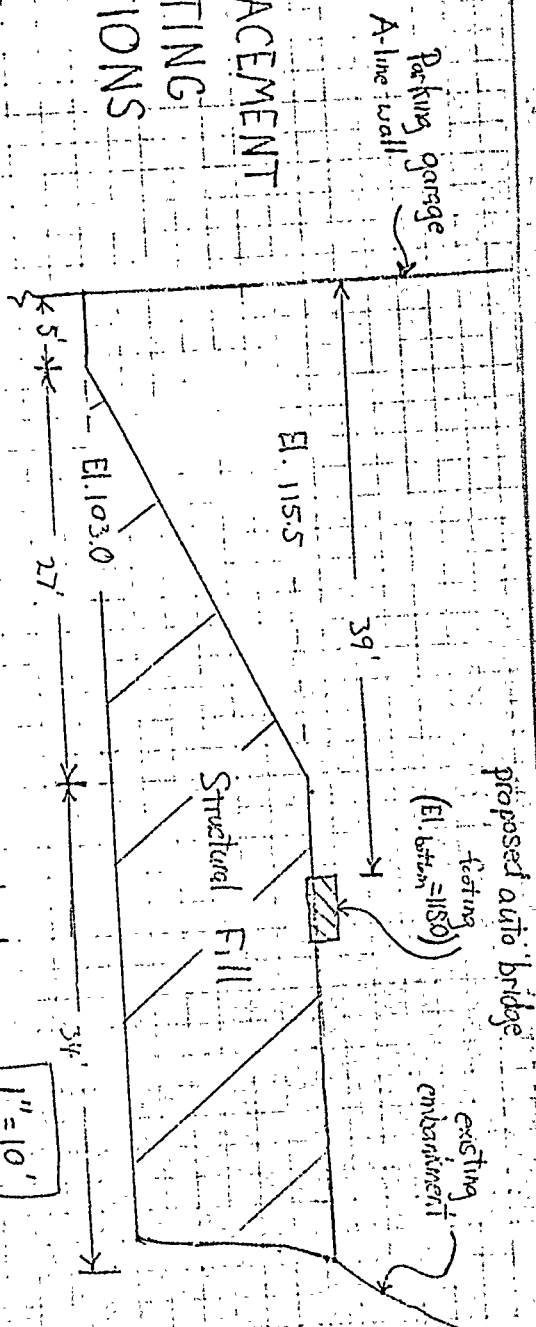
SHEET 1 OF 1

REMARKS: \* Material tested here slightly coarser grained than the rest of the fill.

R. Fitzgerald

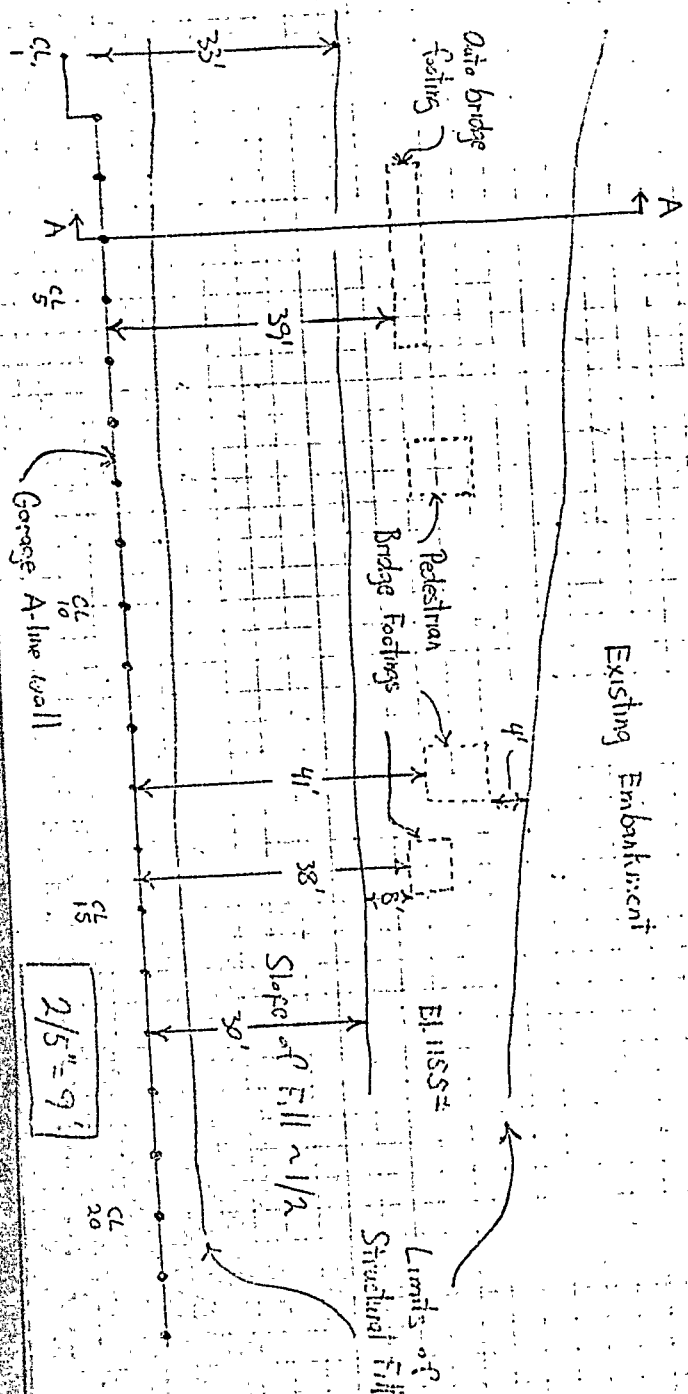
INSPECTOR

# FILL PLACEMENT & FOOTING LOCATIONS



Section A-A

1" = 10'



2701  
Maine Medical Center  
Garage  
10 April 1972  
RF



### FIELD INSPECTOR'S DAILY REPORT

PROJECT PARKING GARAGE, MAINE MEDICAL CENTER File No. 2701  
PORTLAND, MAINE Report No. 36  
CLIENT O.M. MARTINSON, NEW YORK, NEW YORK Date 7 April 1972  
CONTRACTOR O.M. MARTINSON, NEW YORK, NEW YORK Page 1 of 1  
Weather Fair Temp. 35° Inspection Time 0800 - 1630 Hours 8  
Other time (travel, ~~XXXXXX~~) TOTAL: 10 hours

#### The Contractor's Activities:

1. Snow removal

Approximately 1" of snow was removed from the fill area by the bulldozer.

2. Fill and Compacting

Fill was placed over the area on the A-line side of the garage between column lines 1 and 19, spread in not greater than 10" layers and compacted by a vibratory roller. Four 10-wheel trucks were used to haul fill to the fill area. To date, fill has been placed to El. 115.5<sub>+</sub>, compacted to El. 114.7<sub>+</sub>.

The TRAMAC vibratory roller was inoperable from 1400 - 1630.


#### The Inspector's Activities:

1. Observed the above-stated activities of the Contractor.
2. Performed 2 Field Unit Weight Tests with the results shown on the attached sheet.

#### DISTRIBUTION:

O.M. Martinson (2)  
Mr. Robert Brown (1)  
Mr. James F. Haley (1)

R. Fitzgerald  
Inspector

  
Haley & Aldrich, Inc.  
Consulting Soil Engineers

FILE NO. 2701

PROJECT Maine Medical Center

LOCATION Portland, Maine

REPORT NO. 36

CONTRACTOR \_\_\_\_\_ Martinson

DATE 7 April 1972

SHEET \_\_\_\_ OF \_\_\_\_

[illegible]

# FIELD INSPECTOR'S DAILY REPORT

PROJECT PARKING GARAGE, MAINE MEDICAL CENTER File No. 2701  
PORTLAND, MAINE Report No. 33  
 CLIENT O.M. MARTINSON, NEW YORK, NEW YORK Date 4 April 1972  
 CONTRACTOR O.M. MARTINSON, NEW YORK, NEW YORK Page 1 of 1  
 Weather Overcast Temp. 40<sup>0</sup> Inspection Time 1230 - 1630 Hours 4  
 Other time (travel, ~~XXXXXX~~) XXXXXX TOTAL: 6 hours

The Contractor's activities consisted of:

## 1. Filling and Compacting

Fill was placed over the area outside the A line of the garage between column lines 1 and 19. There it was spread in 10" layers and compacted by a vibratory roller. Seven trucks were used to transport fill to the fill area.

The Inspector's Activities:

1. Observed the above stated activities of the Contractor.
2. Performed 3 Field Unit Weight tests with the results shown below.

<u>No.</u>	<u>Loc.</u>	<u>El.</u>	<u>Dry Unit Wt.</u>	<u>%Comp.</u>	<u>% Required</u>
15	C.L. 16	110.5	106.8 pcf	92.5*	95
16	C.L. 16	110.5	109.8	95.0	95
17	C.L. 4	111.5	111.2	95.0	95

\* The assistant superintendent, Mr. William Stanton, was informed that the fill in this area was not sufficiently compacted in accordance with the specifications. The area was then further compacted, retested, and approved; see Test No. 16.

## DISTRIBUTION:

O.M. Martinson (2)  
 Mr. Robert Brown (1)  
 Mr. James F. Haley (1)

R. Fitzgerald  
 Inspector

H. C. Murphy  
 Haley & Aldrich, Inc.  
 Consulting Soil Engineers

# FIELD INSPECTOR'S DAILY REPORT

PROJECT PARKING GARAGE, MAINE MEDICAL CENTER File No. 2701  
PORTLAND, MAINE Report No. 34  
 CLIENT O.M. MARTINSON, NEW YORK, NEW YORK Date 5 April 1972  
 CONTRACTOR O.M. MARTINSON, NEW YORK, NEW YORK Page 1 of 1  
 Weather Fair Temp. 35 Inspection Time 0800 - 1630 Hours 8  
 Other time (travel, testing, report preparation) \_\_\_\_\_

The Contractor's activities consisted of:

## 1. Filling and Compacting

Fill was placed over the area on the A-line side of the garage between column lines 1 and 19, spread in 10" layers and compacted by a vibratory roller. Seven 10-wheel trucks were used to haul fill to the fill area.

To date, fill has been placed to El. 113.0+. Bottom of the bridge footings is proposed at El. 116.0

The Inspector's Activities:

1. Observed the above stated activities of the Contractor.
2. Performed 4 Field Unit Weight tests with the results shown below.

No.	Loc.	El.	Dry Unit Wt.	% Comp.	% Required
18	C.L. 15	111.5	109.9 pcf	95.2	95
19	C.L. 6	111.5	114.1	97.4	95
20	C.L. 8	112.0	116.8	98.2	95
21	C.L. 3	112.5	108.0	93.4*	95

\* The assistant superintendent, Mr. William Stanton, was informed that, as yet, the fill in this area is not sufficiently compacted in accordance with the specifications. Additional compactive effort will be required.

## DISTRIBUTION:

O.M. Martinson (2)  
 Mr. Robert Brown (1)  
 Mr. James F. Haley (1)

R. Fitzgerald  
 Inspector

M. C. [Signature]  
 Haley & Gilchrist, Inc.  
 Consulting Soil Engineers

# FIELD INSPECTOR'S DAILY REPORT

PROJECT PARKING GARAGE, MAINE MEDICAL CENTER File No. 2701  
PORTLAND, MAINE Report No. 35  
 CLIENT O.M. MARTINSON, NEW YORK, NEW YORK Date 6 April 1972  
 CONTRACTOR O.M. MARTINSON, NEW YORK, NEW YORK Page 1 of 2  
 Weather Cloudy Temp. 35 Inspection Time 0800 - 1630 Hours 8  
 Other time (travel, testing, report preparation) \_\_\_\_\_

## The Contractor's Activities:

### 1. Filling and Compacting

Fill was placed over the area on the A-line side of the garage between column lines 1 and 19, spread in 10" layers, and compacted by a vibratory roller (TRAMAC). Seven 10-wheel trucks were used to haul fill to the fill area. To date, fill has been placed to El. 1145+.

## The Inspector's Activities:

1. Observed the above stated activities of the Contractor.
2. Performed 5 Field Unit Weight tests with the results shown below.

No.	Loc.	El.	Dry Unit Wt.	% Comp.	% Required
22	C.L. 3	112.5	110.0 pcf	95.3	95
23	C.L. 15	112.5	103.2	89.4*	95
24	C.L. 14	112.5	106.5	92.3*	95
25	C.L. 6	113.5	110.4	95.7	95
26	C.L. 14	112.5	108.3	94.0**	95

## Notes:

Test No. 22 is retest in area (auto bridge footing) where test #21 indicated insufficient compaction yesterday (5/4), after further compaction today.

\* Mr. Stanton was informed that the fill in this area (pedestrian bridge

## DISTRIBUTION:

O.M. Martinson (2)  
 Mr. Robert Brown (1)  
 Mr. James F. Haley (1)

Inspector \_\_\_\_\_

*M.C. Murphy*  
 Haley & Aldrich, Inc.  
 Consulting Soil Engineers

# FIELD INSPECTOR'S DAILY REPORT

PROJECT PARKING GARAGE, MAINE MEDICAL CENTER File No. 2701  
PORTLAND, MAINE Report No. 35  
 CLIENT O.M. MARTINSON, NEW YORK, NEW YORK Date 6 April 1972  
 CONTRACTOR O.M. MARTINSON, NEW YORK, NEW YORK Page 2 of 2  
 Weather \_\_\_\_\_ Temp. \_\_\_\_\_ Inspection Time \_\_\_\_\_ Hours \_\_\_\_\_  
 Other time (travel, testing, report preparation) \_\_\_\_\_

footing, transformer pad) was not sufficiently compacted. The area was then further compacted and retested.

\*\* After Mr. Stanton was informed of the results of this test, the area was given 4 additional coverages with the vibratory roller.

## DISTRIBUTION:

O.M. Martinson (2)  
 Mr. Robert Brown (1)  
 Mr. James F. Haley (1)

R. Fitzgerald  
 Inspector

M-C Murphy  
 Huley & Aldrich, Inc.  
 Consulting Soil Engineers

# FIELD INSPECTOR'S DAILY REPORT

PROJECT PARKING GARAGE, MAINE MEDICAL CENTER File No 2701  
PORTLAND, MAINE Report No. 28  
 CLIENT O.M. MARTINSON, NEW YORK, NEW YORK Date 28 March 1972  
 CONTRACTOR O.M. MARTINSON, NEW YORK, NEW YORK Page 1 of 1  
 Weather Cloudy Temp. 32° Inspection Time 0800:1630 Hours 8  
 Other time (travel, testing, report preparation) \_\_\_\_\_

Contractor's operations for the day consisted of the following:

1. Filling and Compacting
2. Frost and Loose Fill Removal
1. Granular fill was placed for the proposed bridge footings between column lines 2 and 16, along the A-line side of parking garage (see Fig. 1). It was then spread in 10.0" lifts by H-11 Allis Chalmers Bulldozer, and compacted with vibratory roller and the bulldozer making systematic coverages.
2. Frost and loose fill was scraped from existing embankment between column lines 15 to 18 and deposited on area between lines 20 to 23 (see Fig. 1).

Inspector's activities for the day were:

1. Compaction Test
2. Observation
1. A five point compaction test (Type ASTM D1557, Method D) was performed on fill being placed. Maximum dry unit weight: 115.5 pcf @ 14.4% water content
2. Observed the above noted operations of the contractor.

Inspection Time: C.A.M. 08:00-10:00  
 J.M.K. 10:00-16:30

DISTRIBUTION: O. M. Martinson (2)  
 Mr. Robert Brown (1)  
 Mr. James F. Haley (1)

Joseph M. Keaveney  
 Inspector

*J. F. Haley*  
 Haley & Aldrich, Inc.  
 Consulting Soil Engineers

HALEY & ALDRICH, INC.  
CONSULTING SOIL ENGINEERS

CLIENT MARTINSON

PROJECT PARKING GARAGE, MAINE MEDICAL  
CENTER

FILE NUMBER 270100

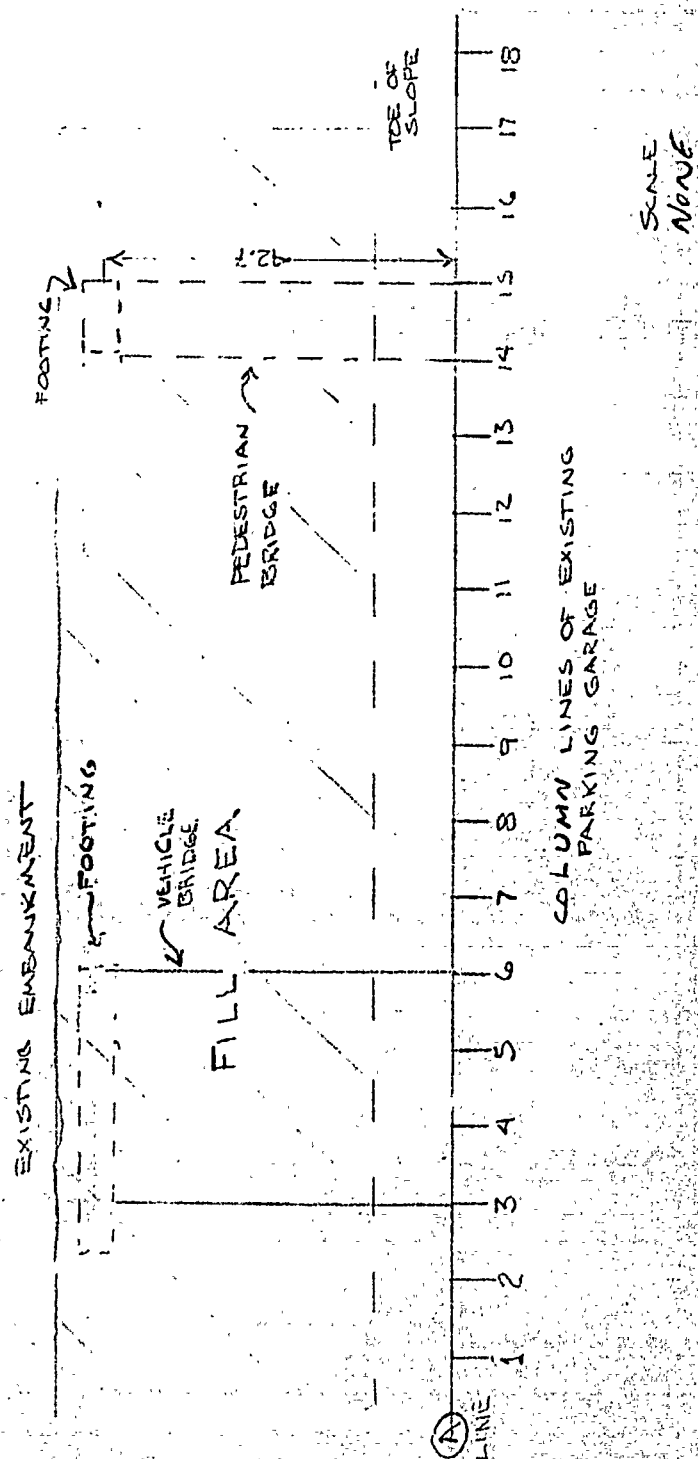
SHEET        OF       

DATE 28 APRIL 77

COMPUTED BY JMK

CHECKED BY       

FIG. 1





# FIELD INSPECTOR'S DAILY REPORT

PROJECT PARKING GARAGE, MAINE MEDICAL CENTER File No. 2701  
PORTLAND, MAINE Report No. 29  
CLIENT O.M. MARTINSON, NEW YORK, NEW YORK Date 29 March 1972  
CONTRACTOR O.M. MARTINSON, NEW YORK, NEW YORK Page 1 of 1  
Weather Partly Cloudy Temp. 42° Inspection Time 08:00-16:30 Hours 8  
Other time (travel, testing, report preparation) \_\_\_\_\_

Contractor's operations consisted of

## 1. Filling and Compacting

1. Fill was placed between column lines 1 to 18, along A-line side of parking garage. It was then spread in 10" lifts and compacted by a bulldozer. A vibratory roller was also used in the compaction operation. Eight trucks were used to transport the fill to the fill area.

Inspector's activities consisted of

1. Observation
2. Field Unit Weight Testing

1. The above operations were observed.

2. The inspector performed five field unit weight tests:

No.	Location	Elev.	Dry Unit Weight	% Compaction	% Required
1	C.L 14	101.0	118.7 pcf	100.0	95
2	C.L 5	102.5	109.7	95.1	95
3*	C.L 17	103.0	93.6	81.5*	95
4	C.L 17	103.0	110.3	95.0	95
5	C.L 6	105.5	116.4	100.0	95

\*The inspector informed William Stanton, Assistant Superintendent, that the fill area around column line 17 was not sufficiently compacted in accordance with specifications. The area was recompacted, retested, - see test 4.

DISTRIBUTION: O. M. Martinson (2)  
Mr. Robert Brown (1)  
Mr. James F. Haley (1)

Joseph M. Keaveny  
Inspector

*M. C. Murphy*  
Haley & Aldrich, Inc.  
Consulting Soil Engineers

# FIELD INSPECTOR'S DAILY REPORT

PROJECT PARKING GARAGE, MAINE MEDICAL CENTER File No. 2701  
PORTLAND, MAINE Report No. 30  
 CLIENT O.M. MARTINSON, NEW YORK, NEW YORK Date 30 March 1972  
 CONTRACTOR O.M. MARTINSON, NEW YORK, NEW YORK Page 1 of 1  
 Weather Cloudy Temp. 32° Inspection Time 08:00-16:30 Hours 8  
 Other time (travel, testing, report preparation) \_\_\_\_\_

Contractor's operations consisted of

## 1. Filling and Compacting

1. Fill was placed, between column lines 1 to 18, then spread in 10 inch thick lifts, and compacted by a H-11 Allis Chalmers bulldozer. A vibratory roller was also used in the compaction operation. Four trucks were used to transport fill to fill area.

Inspector's activities consisted of

1. Observation
2. Field Unit Weight Tests

1. The contractor's operations were observed by the inspector.
2. The inspector performed four field unit weight tests on compacted fill. The results follow:

No.	Location	Elev.	Dry Unit Weight	% Compaction	% Required
6	C. L 15	104.2	113.3 pcf	98.1	95.0
7*	C. L 16	105.5	109.0	93.0*	95.0
8	C. L 15.5	105.5	111.9	96.8	95.0
9	C. L 9	106.4	115.4	99.9	95.0

\*The inspector informed Mr. William Stanton, Assistant Superintendent, that the fill around column line 16 was not sufficiently compacted in accordance with specifications. The area was recompacted and retested, - see test No. 8.

DISTRIBUTION: O. M. Martinson (2)  
 Mr. Robert Brown (1)  
 Mr. James F. Haley (1)

Joseph M. Keaveny  
 Inspector

*M. C. Murphy*  
 Haley & Aldrich, Inc.  
 Consulting Soil Engineers



# FIELD INSPECTOR'S DAILY REPORT

PROJECT PARKING GARAGE, MAINE MEDICAL CENTER File No. 2701  
PORTLAND, MAINE Report No. 32  
 CLIENT O.M. MARTINSON, NEW YORK, NEW YORK Date 3 April 1972  
 CONTRACTOR O.M. MARTINSON, NEW YORK, NEW YORK Page 1 of 1  
 Weather Snow Temp. 30° Inspection Time 0 Hours 0  
 Other time (travel, ~~waiting, preparation, etc.~~) 4-1/2 hr. Total 4-1/2 hr.

The inspector visited the site today in order to assume inspector's duties.

Due to inclement weather, the inspector was advised that no pertinent operations would be in effect today. The contractor advised the inspector that filling operations would be resumed on 4 April 1972; weather permitting.

DISTRIBUTION: O. M. Martinson (2)  
 Mr. Robert Brown (1)  
 Mr. James F. Haley (1)

John B. McRae

Inspector

*M. C. Murphy*  
 Haley & Aldrich, Inc.  
 Consulting Soil Engineers



# APPLICATION FOR AMENDMENT TO PERMIT

Amendment No. \_\_\_\_\_

Portland, Maine, FEB. 2

PERMIT ISSUED

FEB. 4 1972

CITY OF PORTLAND

To the INSPECTOR OF BUILDINGS, PORTLAND, MAINE

The undersigned hereby applies for amendment to Permit No. \_\_\_\_\_ pertaining to the building or structure comprised in the original application in accordance with the Laws of the State of Maine, the Building Code and Zoning Ordinance of the City of Portland, plans and specifications, if any, submitted herewith, and the following specifications:

Location 912 Congress St. Within Fire Limits? \_\_\_\_\_ Dist. No. \_\_\_\_\_  
Owner's name and address Maine Medical Center - 22 Bramhall St. Telephone \_\_\_\_\_  
Lessee's name and address \_\_\_\_\_ Telephone \_\_\_\_\_  
Contractor's name and address Martinson Const. Co. - 305 East 63rd St. Telephone \_\_\_\_\_  
Architect \_\_\_\_\_ New York, N.Y. Plans filed \_\_\_\_\_ No. of sheets \_\_\_\_\_  
Proposed use of building Parking Structure No. families \_\_\_\_\_  
Last use \_\_\_\_\_ No. families \_\_\_\_\_  
Increased cost of work \$18,000 Additional fee \$54

## Description of Proposed Work

~~Change in retaining wall~~ Change in retaining wall

## Details of New Work

Is any plumbing involved in this work? \_\_\_\_\_ Is any electrical work involved in this work? \_\_\_\_\_  
Height average grade to top of plate \_\_\_\_\_ Height average grade to highest point of roof \_\_\_\_\_  
Size, front \_\_\_\_\_ depth \_\_\_\_\_ No. stories \_\_\_\_\_ solid or filled land? \_\_\_\_\_ earth or rock? \_\_\_\_\_  
Material of foundation \_\_\_\_\_ Thickness, top \_\_\_\_\_ bottom \_\_\_\_\_ cellar \_\_\_\_\_  
Material of underpinning \_\_\_\_\_ Height \_\_\_\_\_ Thickness \_\_\_\_\_  
Kind of roof \_\_\_\_\_ Rise per foot \_\_\_\_\_ Roof covering \_\_\_\_\_  
No. of chimneys \_\_\_\_\_ Material of chimneys \_\_\_\_\_ of lining \_\_\_\_\_  
Framing lumber—Kind \_\_\_\_\_ Dressed or full size? \_\_\_\_\_  
Corner posts \_\_\_\_\_ Sills \_\_\_\_\_ Girt or ledger board? \_\_\_\_\_ Size \_\_\_\_\_  
Girders \_\_\_\_\_ Size \_\_\_\_\_ Columns under girders \_\_\_\_\_ Size \_\_\_\_\_ Max. on centers \_\_\_\_\_  
Studs (outside walls and carrying partitions) 2x4-16" O. C. Bridging in every floor and flat roof span over 8 feet.  
Joists and rafters: 1st floor \_\_\_\_\_, 2nd \_\_\_\_\_, 3rd \_\_\_\_\_, roof \_\_\_\_\_  
On centers: 1st floor \_\_\_\_\_, 2nd \_\_\_\_\_, 3rd \_\_\_\_\_, roof \_\_\_\_\_  
Maximum span: 1st floor \_\_\_\_\_, 2nd \_\_\_\_\_, 3rd \_\_\_\_\_, roof \_\_\_\_\_

Approved: \_\_\_\_\_

Signature of Owner \_\_\_\_\_

Approved: \_\_\_\_\_

Inspector of Buildings

File  
APPLICANT'S COPY



MAINE  
MEDICAL  
CENTER

PORTLAND, MAINE 04102

February 1, 1972

Dept. of Building Inspection  
City Hall  
389 Congress Street  
Portland, Maine

Gentlemen:

Enclosed is payment of \$54.00 for building permit at the  
east end of the "B" wall of the Maine Medical Center parking  
ramp.

Yours truly,

Donald W. Bail  
Administrative Engineer

DWB/jp

Enc.

912 Congress Street

Oct. 26, 1971

Martinson Construction Corporation  
305 East 63rd Street  
New York, N. Y. 10021

cc to: Maine Medical Center  
22 Bramhall Street  
cc to: Joe Beaulieu, Public Works  
Department, City Hall

Gentlemen:

Permit to construct a 7-story reinforced concrete parking structure as per plans is being issued herewith subject to the following restrictions:

It is necessary that you contact the Public Works Department in order to get clearance for curb cuts, sanitary drains, and/or surface drains.

Very truly yours,

Earle S. Smith  
Plan Examiner

ESS:n

enc.



# APPLICATION FOR AMENDMENT TO PERMIT

Amendment No. \_\_\_\_\_  
Portland, Maine, Jan. 26, 1972

PERMIT ISSUED

FEB 4 1972

To the INSPECTOR OF BUILDINGS, PORTLAND, MAINE

The undersigned hereby applies for amendment to Permit No. 71/1327 pertaining to the building or structure comprised in the original application in accordance with the Laws of the State of Maine, the Building Code and Zoning Ordinance of the City of Portland, plans and specifications, if any, submitted herewith, and the following specifications:

Location 912 Congress St. Within Fire Limits? \_\_\_\_\_ Dist. No. \_\_\_\_\_  
Owner's name and address Maine Medical Center - 22 Bramhall St. Telephone \_\_\_\_\_  
Lessee's name and address \_\_\_\_\_ Telephone \_\_\_\_\_  
Contractor's name and address Martinson Const. Co. - 305 East 63rd St. Telephone \_\_\_\_\_  
Architect \_\_\_\_\_ New York N.Y. Plans filed \_\_\_\_\_ No. of sheets \_\_\_\_\_  
Proposed use of building Parking Structures No. families \_\_\_\_\_  
Last use \_\_\_\_\_ No. families \_\_\_\_\_  
Increased cost of work \$18,000 Additional fee \$54.00

## Description of Proposed Work

~~Change in retaining wall~~ Change in retaining wall

done  
6-14-73

## Details of New Work

Is any plumbing involved in this work? \_\_\_\_\_ Is any electrical work involved in this work? \_\_\_\_\_  
Height average grade to top of plate \_\_\_\_\_ Height average grade to highest point of roof \_\_\_\_\_  
Size, front \_\_\_\_\_ depth \_\_\_\_\_ No. stories \_\_\_\_\_ solid or filled land? \_\_\_\_\_ earth or rock? \_\_\_\_\_  
Material of foundation \_\_\_\_\_ Thickness, top \_\_\_\_\_ bottom \_\_\_\_\_ cellar \_\_\_\_\_  
Material of underpinning \_\_\_\_\_ Height \_\_\_\_\_ Thickness \_\_\_\_\_  
Kind of roof \_\_\_\_\_ Rise per \_\_\_\_\_ Roof covering \_\_\_\_\_ of lining \_\_\_\_\_  
No. of chimneys \_\_\_\_\_ Material on \_\_\_\_\_ Dressed or full size? \_\_\_\_\_  
Framing lumber—Kind \_\_\_\_\_ Sills \_\_\_\_\_ Girt or ledger board? \_\_\_\_\_ Size \_\_\_\_\_  
Corner posts \_\_\_\_\_ Size \_\_\_\_\_ Columns under girders \_\_\_\_\_ Size \_\_\_\_\_ Max. on centers \_\_\_\_\_  
Girders \_\_\_\_\_ Studs (outside walls and carrying partitions) 2x4-16" O. C. Bridging in every floor and flat roof span over 8 feet.  
Joists and rafters: 1st floor \_\_\_\_\_, 2nd \_\_\_\_\_, 3rd \_\_\_\_\_, roof \_\_\_\_\_  
On centers: 1st floor \_\_\_\_\_, 2nd \_\_\_\_\_, 3rd \_\_\_\_\_, roof \_\_\_\_\_  
Maximum span: 1st floor \_\_\_\_\_, 2nd \_\_\_\_\_, 3rd \_\_\_\_\_, roof \_\_\_\_\_

Approved: \_\_\_\_\_

Signature of Owner \_\_\_\_\_

Approved: \_\_\_\_\_

Inspector of Buildings

INSPECTION COPY



912 Congress Street

Dec. 10, 1971

Martinson Construction Corporation  
305 East 63rd Street  
New York, N.Y. 10021

cc to: Maine Medical Center  
Att: Donald Ball  
22 Bramhall Street  
cc to: Haley & Aldrich, Inc.  
238 Main St. Cambridge, Mass.

Gentlemen:

Please be advised that a curved wing retaining wall has been attached to the Congress Street entrance level without plans or permit from this office. *will submit plans & specs.*

At the time of the pour on Dec. 8th, 2 to 5 P.M., your concrete crew intended to drop the concrete 14' through steel, until stopped by our inspector. During the pour, water was continually added to the mix at the back of man on the vibrator, such that the mix could flow 14' either way. There was no supervision on this pour, nor were any slump test or cylinders made. On Dec. 9th forms were being removed 14 hours after the pour.

After our combined meeting of two weeks ago, we expected a firm control of this job and expected full compliance with our Building Code requirement as outlined at that time. (Sec. 1304- mixing & placing concrete).

To date not one column or wall section has been cleaned of laitance except "by a nod by your superintendents head."

Please review all inspection reports by Haley & Aldrich, Consulting Soil Engineers relating to this job as the conclusion is clear - inferior management of backfill. This reporter saw evidence of this within the past two weeks when grading of dead end section. The first level above Congress Street entrance was done on partly frozen fill and the concrete slab was poured the next day.

This department has from the beginning bent over backwards to allow the construction to proceed on promises, strictly considering the pressing need of the Medical Center for parking. We cannot however, continue to see the requirements of the Building Code of the City of Portland flaunted by anyone.

Martinson Construction Corporation

Page 2

Dec. 10, 1971

Unless full compliance with the City of Portland Building Code can be secured immediately it will become the duty of this department to issue a "STOP ORDER" on further construction.

Very truly yours,

R. Lovell Brown  
Director

RLB:m



MAINE  
MEDICAL  
CENTER

PORTLAND, MAINE 04102

November 8, 1971

Mr. R. Lovell Brown  
Dept. of Building Inspection  
City Hall  
Portland, Maine

Dear Sir:

Per our discussion and conclusion on Thursday, November 4, we will request 4 rather than 3 test cylinders on concrete pours for the MMC parking ramp.

Mr. Neddeau has forwarded to Mr. Cartwright copies of reports from the cement plant relating to Maine Medical Center ramp concrete. He will continue with this procedure in the future.

Yours truly,

Donald W. Bail  
Administrative Engineer

DWB/jp

cc: Mr. Neddeau

912 Congress Street

November 5, 1971

Edward Dugan  
46 Brattle Street  
Cambridge, Mass.

Dear Mr. Dugan:

As per our conversation of this morning in regard to enclosure of stair towers for parking structure for the Maine Medical Center located on Congress Street, I have checked with Mr. Brown, the Director of the department and find that we are not requiring absolute separations on these towers and therefore the fire doors would not be required either. These towers may be vented as far as this department is concerned as per shown on the original plans.

If you have any further questions on this please do not hesitate to contact me.

Very truly yours,

A. Allan Soule  
Assistant Director

AAS:m

BY RP DATE 9/15/71 SUBJECT RE: LINE/WALL  
CHKD. BY \_\_\_\_\_ DATE \_\_\_\_\_ OUTSIDE OF D-1

SHEET NO. 30 OF 531  
FILE NO. D-24

$$M_2 = 3.5 \times 4.5 = 15.8$$

$\begin{array}{rcl} \text{W. 40} & \cdot & 1.75 \times 2.9 = 5.1 \\ \text{Sol} & = & 4.00 \times 5.5 = 22.0 \\ \text{FCG} & = & 1.33 \times 3.75 = 5.0 \\ \text{Py} & = & 1.4 \times 3.5 = 4.9 \\ & & \hline & & 9.48 \end{array}$

$$F.S. = \frac{40.5}{15.8} = 2.56$$

VERT LOADS 948

$$f = \frac{v}{\lambda} = \frac{9.48}{7.5} = 1.26$$

$$M = + \quad = 15.8$$

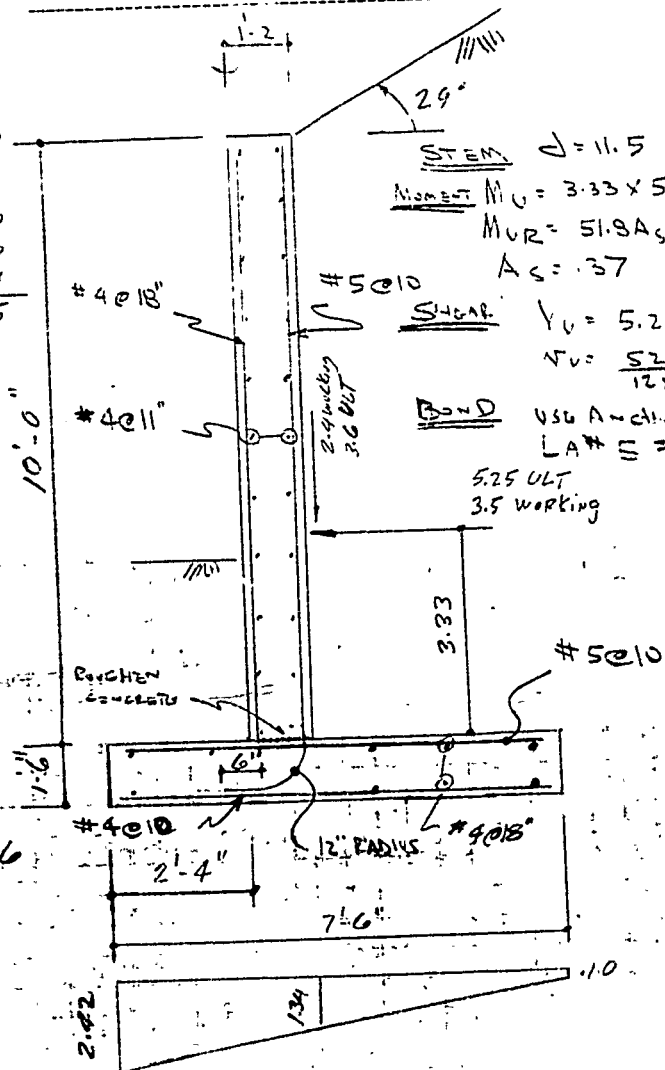
$$P_v \quad 2.4 \times 0.25 = \underline{.6}$$

$$- 4.0 \times 1.75 = \underline{-7.0}$$
$$= 10.90$$

$$f = \pm \frac{10.9 \times 375}{\frac{1 \times 7.1^3}{12}} \cdot 1.16$$

$$f_{max} = 2.42$$

$$f_{min} = .10$$



Toe  
Moment  $d = 11.5$   
 $M_c = 1.5 \times 2.42 \times \frac{2.33^2}{2} = 9.8$

$$M_{VR} = 51.3 \text{ A}_s - 4.41 \text{ A}_s^2 = 10.1$$

$A_c = .70$  # 4 @ 10

SHEAR  $V_u = 1.5 \times 242 \times 2.33 = 8.5$

$$N_v = \frac{8500}{12 \times 11} = 62$$

Bond USB Accounting Bond

LA #4 = 12" C26

$$\underline{M_0} = 1.5 \times 1.4 \times \frac{4^2}{2} = 16.8$$

$$M_{V2} = 51.8 A_5 - 4.41 A_6 = 17.6$$

$A_s = .37 \quad \# 5 @ 10$

Shear  $V_u = 1.3 \times 6.4 = 9.6$

$$N_U = \frac{9600}{12411.5} = 70$$

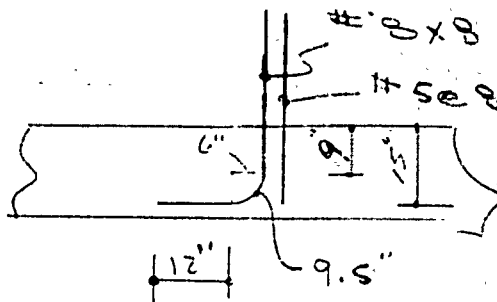
Bond vs Actioning Bond

L.A. # 5 = 15 < 26

FORM 33-6891

SUBJECT RETAINING WALL  
OUTSIDE OF B-1

SHEET NO. 815 OF 1000  
FILE NO. 531  
D-24



$$L = \frac{2\pi R}{4} =$$

$$L = \frac{2\pi b}{4} = 9.5''$$

$$\begin{array}{r} 9.0 \\ 9.5 \\ 12.0 \\ \hline 30.5 \end{array}$$

$$u = \frac{9.5 \sqrt{30 - (8)} }{(1)} = 8.6$$

$$L_{\text{reqd}} = \frac{f_s \Delta s}{\omega_B} = \frac{60 \times 0.79}{46 \times 3.14} = 36.4$$

$$\frac{30.5}{36.4} \cdot 60 = 50.4 \text{ STRASS Development} = 36.4$$

F = Remaining Force

$$F = 9.6 \times .79 = 7.6 \text{ k}$$

# 5 BAR  $L_{r-g} = 15"$   
 $L_{s-p} = 15"$

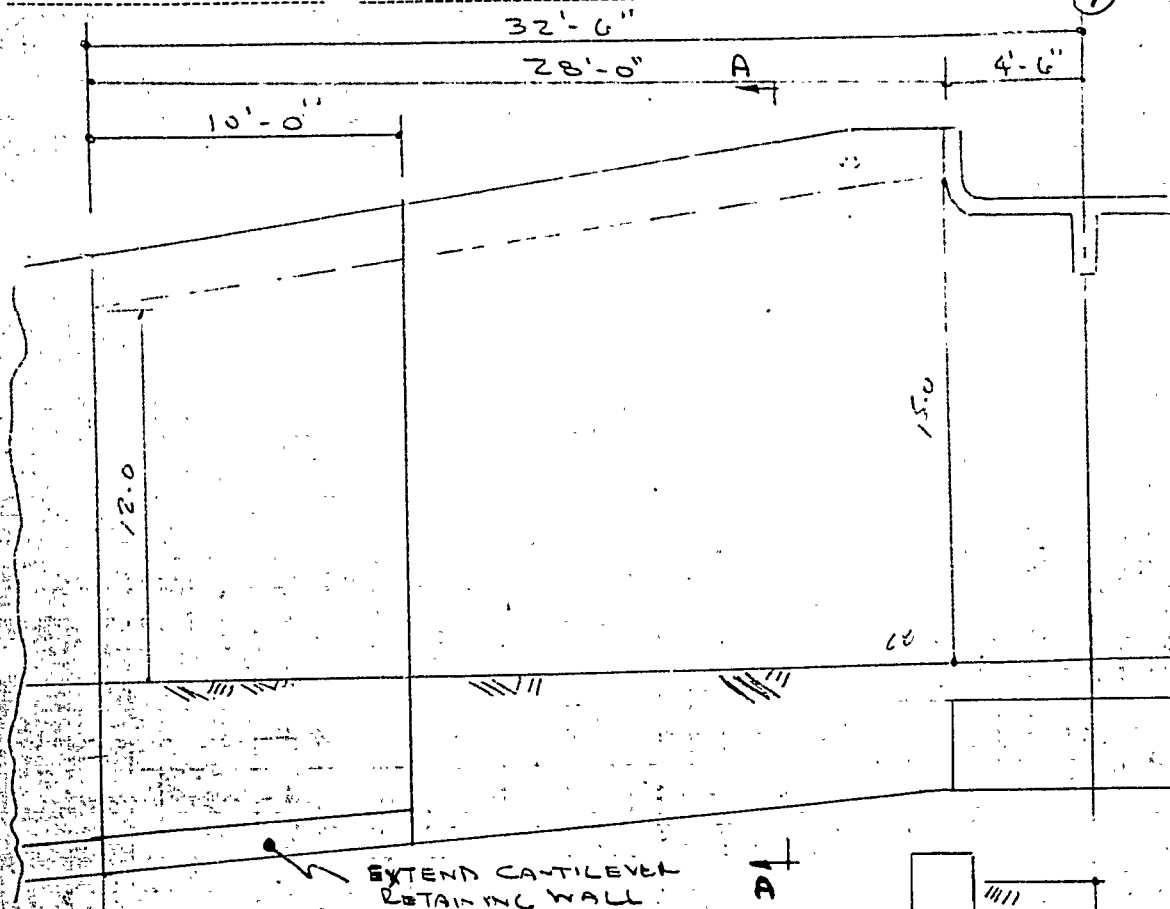
$$\overline{F} = 60 \times .31 = 18.6 \text{ K}$$

O. M. MARTINSON, NEW YORK, N. Y.

FORM 33-6839

BY RP DATE 9/16/71 SUBJECT B LINE WALL  
CHKD. BY \_\_\_\_\_ DATE \_\_\_\_\_ OUTSIDE OF COL B-1

SHEET NO. 57A OF \_\_\_\_\_  
FILE NO. 531  
D-24 ①



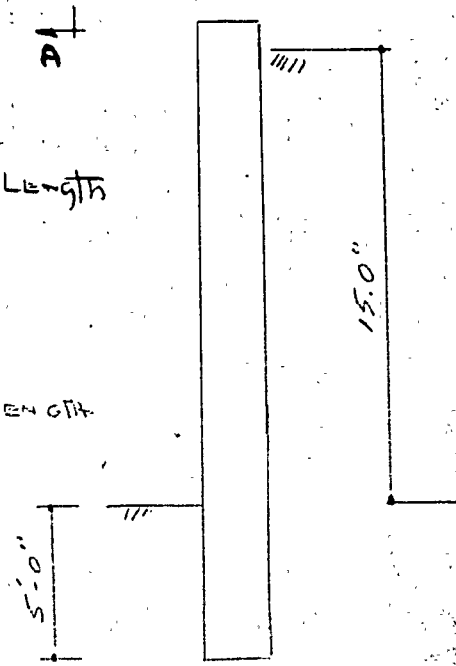
$H = 13.5 \text{ FT AY}$   
 $P_{AV} = 2.6 \text{ K/FT}$   
 $P_{\text{Total}} = 28 \times 2.6 = 73 \text{ K}$   
 $M = 73 \times \frac{28}{2} = 1020$

For 28'-0" Length

$P_{\text{Total}} = 18 \times 2.6 = 47$   
 $M = 47 \times \frac{18}{2} = 420$

For 18'-0" Length

SEE  
ORIGINAL  
DESIGN SHEET  
# 57



# FIELD INSPECTOR'S DAILY REPORT

PROJECT PARKING GARAGE, MAINE MEDICAL CENTER File No. 2701  
PORTLAND, MAINE Report No. 10  
 CLIENT O.M. MARTINSON, NEW YORK, NEW YORK Date 26 August, 71  
 CONTRACTOR O.M. MARTINSON, NEW YORK, NEW YORK Page 1 of 1  
 Weather Fair Temp. 70± Inspection Time 0800-1100 Hours 3  
 Other time (travel, testing, report preparation) 4hrs. Total Time: See below

At the request of Mr. H. Sheres, the Inspector & Mr. A.D. Franzen visited the site today in order to perform Unit Weight Tests on and evaluate the backfilled materials South of the "B" line

In general, the fill has been placed to a depth varying from one to five feet. Compaction, on the surface, was occurring with two vibratory compactors, one plate & one roller.

Three In-place Unit Weight Tests were performed. The location & results are reported on the attached sheet.

The % Compaction required is 90%. The test results indicate that this has reasonably been achieved on the surface. However, Mr. H. Sheres was advised that an additional pass with the compactor would be desirable.

DISTRIBUTION: O. M. Martinson (2)  
 Mr. Robert Brown (1)

C.A. Millner  
 Inspector

M. C. Murphy  
 Haley & Aldrich, Inc.  
 Consulting Soil Engineers



FILE NO. 2701  
REPORT NO. \_\_\_\_\_  
DATE 26 August '71  
SHEET 1 OF 1

CONTRACTOR O. M. MERTINSON, NEW YORK, N. Y.

[illegible]

REMARKS:

E. A. Milner  
INSPECTOR

# **FIELD INSPECTOR'S DAILY REPORT**

PROJECT PARKING GARAGE, MAINE MEDICAL CENTER File No. 2701  
PORTLAND, MAINE Report No. 11  
 CLIENT O.M. MARTINSON, NEW YORK, NEW YORK Date 22 September 1971  
 CONTRACTOR O.M. MARTINSON, NEW YORK, NEW YORK Page 1 of 1  
 Weather Clear Temp. 79° Inspection Time 1100-1530 Hours 4  
 Other time (travel, testing, report preparation) \_\_\_\_\_

The Inspector reported to the site at the request of Mr. Martinson. An area between walls B and C and columns 22.5 to 38 was prepared for a slab-on-grade, and Contractor wanted Field Unit Weight. The results are:

Test No.	Location	Elev.	Max.Dry Unit Wgt.	Field Dry Unit.Wgt.	Water Content	% Compaction
23	5.5' off C line Column 37	52.5'±	131.3	121.0	4.7%	92.3
24	1' off C line between Column 29 and 30	55.5'±	121.9	110.7	11.0%	91.0

DISTRIBUTION: O. M. Martinson (2)  
 Mr. Robert Brown (1)

A. D. Franzen  
 Inspector

  
 M. C. Murphy  
 Haley & Aldrich, Inc.  
 Consulting Soil Engineers

# FIELD INSPECTOR'S DAILY REPORT

PROJECT PARKING GARAGE, MAINE MEDICAL CENTER File No. 2701  
PORTLAND, MAINE Report No. 12  
 CLIENT O.M. MARTINSON, NEW YORK, NEW YORK Date 23 September 1971  
 CONTRACTOR O.M. MARTINSON, NEW YORK, NEW YORK Page 1 of 1  
 Weather Cloudy Temp. 68° Inspection Time 1230-1630 Hours 4  
 Other time (travel, testing, report preparation) \_\_\_\_\_

The Inspector reported to site to complete testing of area for slab-on-grade. The results of the Field Unit Weight are:

Test No.	Location	Elev.	Max.Dry Unit.Wgt.	Field Dry Unit Wgt.	Water Content	% Compaction
25	Halfway between B & C Column 25	58.5'±	131.0 pcf	117.5 pcf	5.2%	90
26	Halfway between B & C Column 35	53.0'±	130.8	122.8	7.3	94

DISTRIBUTION: O. M. Martinson (2)  
 Mr. Robert Brown (1)

A. D. Franzen  
 Inspector

*M.C. Murphy*  
 Haley & Aldrich, Inc.  
 Consulting Soil Engineers

# FIELD INSPECTOR'S DAILY REPORT

PROJECT PARKING GARAGE, MAINE MEDICAL CENTER File No. 2701  
PORTLAND, MAINE  
 CLIENT O.M. MARTINSON, NEW YORK, NEW YORK Report No. 13  
O.M. MARTINSON, NEW YORK, NEW YORK Date 28 Sept, 1971  
 CONTRACTOR O.M. MARTINSON, NEW YORK, NEW YORK Page 1 of 1  
 Weather Cloudy Temp. 63 Inspection Time 1300 - 1630 Hours 3 1/2  
 Other time (start to... report preparation)

The Inspector reported to the site and met with Mr. Howard Shores, Superintendent for Martinson. Shores requested that a Field Unit Height test be performed in the area between walls A & B and columns 24 to 28, which was prepared for a slab-on-grade. Polyethylene vapor barrier and reinforcing steel were already in place from column 24 to 32. Mr. Shores stated only one test would be needed if it passed. The results were:

Test Location	Elevation	Max. Dry Unit Height	Field Dry Unit Height	Water Content	Compaction
27 1/2' WY between A & B, Col. 24	Top of Subgrade	132.4pcf	119.5pcf	5.7%	90.3%

WITNESSES: O. M. Martinson (2)  
Mr. Howard Shores (2)

J. B. Johnson  
 Inspector

M. C. [Signature]  
 Contracting Soil Engineer

**O. M. MARTINSON, P.E.**

305 East 63rd Street, New York, N. Y. 10021

Telephone: (212) 755-5557

To: Maine Medical Center  
22 Bramhill Street  
Portland, Me. 04102

Date: 20 August 1971

Re: Parking Facility for  
Maine Medical Center  
Our No. 531

Attn: Mr. Donald W. Bail, Plant Superintendent

We are sending (xxxx) herewith ( ) separately:

No. of Copies

Description

1 copy Letter from Mr. James F. Haley to Mr.  
C.J. Owen, dated 18 August 1971.

These are: ( xxx ) for your information or use  
( ) for your approval and return  
( ) for your correction and return  
( ) returned approved except as noted  
( )

Remarks:

Via: ( xxx ) Regular Mail  
( ) Airmail  
( ) Special Delivery  
( ) Messenger

O. M. MARTINSON, P.E.

By: L. London

cc: with ( xxx ) without ( ) encls.

Via: Regular Mail

To: Mr. Robert Brown, Building Inspector, City of Portland, Me.

JAMES F. HALEY

8 Pine Street  
Belmont, Massachusetts 02178

18 August 1971  
File No. 2701

Mr. C. J. Owen  
The Architects Collaborative  
46 Brattle St.  
Cambridge, Mass. 02138

Subject: Parking Garage  
Maine Medical Center

Dear Mr. Owen:

Confirming our telephone conversation this morning, I have checked the earthwork construction reports along the "A" line between column lines 24 and 38. The original material placed in this area was removed to depths of 8 ft. to 15 ft. and replaced with clean granular sandy gravel.

The inspection of the bottom of the excavation was made by Mr. Franzen of the Haley & Aldrich office and the quality and compaction of the material placed from the bottom of the excavation to the underside of floor slab received full-time inspection.

The type of material used and the degree of compaction attained is considered satisfactory to support the spread footing in this portion of the "A" line as well as the slab-on-grade in the area.

The detailed fill inspection reports are being reviewed and typed and will be mailed 19 August 1971.

If there is more detailed information you desire, do not hesitate to call.

Sincerely yours,

JFH/NC

James F. Haley

cc: Elvon Meddean  
O.M. Martinson  
Mr. Shearer

20 August 1971: copies of this sent to Mr. Robert Brown, Building Inspector, Portland, Maine; and Mr. Donald W. Bail, Plant Superintendent, Maine Medical Center, for their information.

LL/MCC

FILE

# FIELD INSPECTOR'S DAILY REPORT

PROJECT PARKING GARAGE, MAINE MEDICAL CENTER File No. 2701  
PORTLAND, MAINE Report No. 2  
 CLIENT O.M. MARTINSON, NEW YORK, NEW YORK Date 29 July 1971  
 CONTRACTOR O.M. MARTINSON, NEW YORK, NEW YORK Page 1 of 2  
 Weather Fair Temp. 80± Inspection Time 0900 - 1430 Hours Below  
 Other time (travel, testing, report preparation) Travel - 4 hrs., lab testing

The Inspector, with Mr. C. Henderson, visited the site today, at the request of Mr. O. M. Martinson, in order to perform Field Unit Weight Tests on the fill along the westerly half of the "A" line.

The Inspector and Mr. Henderson met with Mr. Sheres who delineated the area to be tested.

Upon arrival at the site a loaded ten-wheel truck was compacting the surface of the fill. A considerable amount of "weaving" was occurring under the truck as it rolled across the surface. Also, ruts were being made by the tires in varied depths up to five inches. An excavation, seven inches deep, was made in order to perform a Field Unit Weight Test. The excavated material was visually classified as a brown, silty, medium-fine SAND, with trace coarse sand, gravel and brick rubble, and a considerable quantity of gray silty-clay lumps. This material does not conform to the specifications Sect.10, Para.b. The material excavated for the tests was "soft" and moist.

NOTE

Mr. Neddeau, M.M.C., visited the site and informed the Inspector the backfill material, along the west portion of the "A" line was spread with a bulldozer and that, from his observations, there was no systematic compactive effort applied to the fill.

The Inspector contacted Mr. M. Murphy, this office, and related the observed conditions. A test pit - in place unit weight program was advised. Mr. Sheres was so informed and supplied a backhoe for the test pit portion of the program. Two pits were excavated at the locations A-37 and A-30. The material encountered was the same as previously described above. In TP-1 (A-37) unit weights were obtained on the surface (El.+62.5'), five feet below the surface (El.+57.5') and ten feet below the surface (El.+52.5'). Note is made that the fill depth at this point is approximately 20 ft. In TP-2 (A-30) unit weights were obtained on the surface (El.60.2') and five feet below the surface (El.56.2'). At ten feet the material was very wet (muddy) therefore a Unit Weight Test could not be performed. At this location the fill depth approximates 12 ft.

DISTRIBUTION: O. M. Martinson (2)  
 Mr. Robert Brown (1)

H & A FORM JUN 67 5

Inspector

Haley & Aldrich, Inc.  
 Consulting Soil Engineers

# FIELD INSPECTOR'S DAILY REPORT

PROJECT PARKING GARAGE, MAINE MEDICAL CENTER File No. 2701  
PORTLAND, MAINE Report No. 2  
 CLIENT O.M. MARTINSON, NEW YORK, NEW YORK Date 29 July 1971  
 CONTRACTOR O.M. MARTINSON, NEW YORK, NEW YORK Page 2 of 2  
 Weather \_\_\_\_\_ Temp. \_\_\_\_\_ Inspection Time \_\_\_\_\_ Hours \_\_\_\_\_  
 Other time (travel, testing, report preparation) \_\_\_\_\_

Samples of the encountered fill materials were returned to the laboratory for pertinent testing.

The results of tests are reported on the attached sheets.

DISTRIBUTION: O. M. Martinson (2)  
 Mr. Robert Brown (1)

C. A. Millner  
 Inspector

J. F. Haley  
 Haley & Aldrich, Inc.  
 Consulting Soil Engineers



**HALEY & ALDRICH, INC.**  
**CONSULTING SOIL ENGINEERS**

PROJECT GARAGE, MAINE MEDICAL CENTER

LOCATION PORTLAND, MAINE

CONTRACTOR O. M. MARTINSON

FILE NO. 2701

REPORT NO. 2

DATE 27 June 1971

SHEET 1 OF 1

REMARKS:

TEST No 4 PERFORMED IN SILTY, c-f SAND

Ch. Millner  
INSPECTOR

# FIELD INSPECTOR'S DAILY REPORT

PROJECT PARKING GARAGE, MAINE MEDICAL CENTER File No. 2701  
PORTLAND, MAINE Report No. 3  
 CLIENT O.M. MARTINSON, NEW YORK, NEW YORK Date 5 August 1971  
 CONTRACTOR O.M. MARTINSON, NEW YORK, NEW YORK Page 1 of 1  
 Weather Fair Temp. 90 Inspection Time 1030 - 1630 Hours 5½  
 Other time (travel, testing, report preparation) \_\_\_\_\_

At the request of Mr. O. M. Martinson, the Inspector visited the site today accompanied by Mr. C. A. Millner, Haley & Aldrich, in order to evaluate the fill placed along the westerly side of the "A" line. The Inspectors met with Mr. W. Sheres who stated that 8 feet to ten feet of fill had been removed from the above area. Mr. Stanton accompanied the Inspectors to the area and requested that an In-place Unit Weight Test be performed on the existing material. The depth to the top of the fill in the cut area approximated eight feet. Note was made to Mr. Stanton that previously tests had been performed in test pits excavated to ten feet below and that the results of the tests indicated the fill to be in an uncompact state. However, a test was performed and the results confirmed the low percentage of compaction. Several test pits were excavated and an additional In-place Unit Weight Test was performed. Again the uncompacted state of the fill was confirmed.

Excavation of the fill had begun at approximately Column Line 24 and was progressing in a westerly direction toward Column Line 38. The recommendation was made to Mr. Sheres that the excavation be carried to a depth of twelve feet. The natural soil, to which the excavation was being carried, is visually classified as a stiff, gray clay, with some sand and gravel. As the excavation was in a dry state the recommendation was made, to Mr. Sheres, to place compacted "granular" fill over the stiff clay prior to water entering the excavation and creating a compaction problem. Mr. Sheres ordered "granular" fill and will place the first layers tonight. Compaction will be checked in the morning. As the excavation continued in a westerly direction, the stiff clay becomes deeper and the thickness of the fill increases. An evaluation of the fill will be made again where the excavation is carried along at the recommended twelve foot depth. Note is made that the width of the excavation be such that a slope of 1:1½ be maintained.

DISTRIBUTION: O. M. Martinson (2)  
 Mr. Robert Brown (1)

A. D. Franzen  
 Inspector

*J. J. Haley*  
 Haley & Aldrich, Inc.  
 Consulting Soil Engineers

[illegible]

A. D. F.  
INSPECTOR

# FIELD INSPECTOR'S DAILY REPORT

PROJECT PARKING GARAGE, MAINE MEDICAL CENTER File No. 2701  
PORTLAND, MAINE Report No. 4  
 CLIENT O.M. MARTINSON, NEW YORK, NEW YORK Date 6 August 1971  
 CONTRACTOR O.M. MARTINSON, NEW YORK, NEW YORK Page 1 of 1  
 Weather Cloudy Temp. 85± Inspection Time 1000-1630 Hours 6  
 Other time (travel, testing, report preparation) \_\_\_\_\_

The contractor's operations for the day consisted of the following:

1. Excavation
  2. Filling and compaction
1. The contractor continued to remove the previously placed fill along the westerly area of the "A" line. The excavation was carried to the stiff gray clay.
  2. The contractor continued to place and compact off-site granular fill. The initial lift is being placed 18" to 24" thick in order to minimize disturbance to the underlying stiff clay. The incoming material is temporarily stockpiled in the placed fill and is bulldozed into the excavation as it progresses in a westerly direction.

DISTRIBUTION: O. M. Martinson (2)  
 Mr. Robert Brown (1)

A. D. Franzen  
 Inspector

*J. Z. Haley*  
 Haley & Aldrich, Inc.  
 Consulting Soil Engineers

FILE NO. 270100  
REPORT NO. 6  
DATE 9 AUGUST 1971  
SHEET 1 OF 1

CONTRACTOR O. M. MARTINSON

[illegible]

REMARKS:

A. D. F.  
INSPECTOR

# FIELD INSPECTOR'S DAILY REPORT

PROJECT PARKING GARAGE, MAIN MEDICAL CENTER File No. 2701  
PORTLAND, MAINE Report No. 7  
 CLIENT O.M. MARTINSON, NEW YORK, NEW YORK Date 10 August 1971  
 CONTRACTOR O.M. MARTINSON, NEW YORK, NEW YORK Page 1 of 1  
 Weather Clear Temp. 90 Inspection Time 0800-1415 Hours 7  
1615-1730  
 Other time (travel, testing, report preparation) \_\_\_\_\_

The contractor's operations for the day consisted of the following:

1. Hauling granular fill and placing it along footing Line A.
2. Compacting granular fill along footing Line A.

Inspection for the day:

1. The operations enumerated above were observed.
2. Two Field Unit Weight Tests were performed and the results are reported on the attached sheet.

DISTRIBUTION: O. M. Martinson (2)  
 Mr. Robert Brown (1)

A. D. Franzen  
 Inspector

  
 Haley & Aldrich, Inc.  
 Consulting Soil Engineers

HALEY & ALDRICH, INC.  
CONSULTING SOIL ENGINEERS

FILE NO. 270102  
REPORT NO. 7  
DATE 10 Aug 1971  
SHEET 1 OF 1

CONTRACTOR O. W. MERTINSON

[illegible]

REMARKS:

A.D.F.

INSPECTOR

### FIELD INSPECTOR'S DAILY REPORT

PROJECT PARKING GARAGE, MAINE MEDICAL CENTER File No. 2701  
PORTLAND, MAINE Report No. 8  
CLIENT O.M. MARTINSON, NEW YORK, NEW YORK Date 11 August 1971  
CONTRACTOR O.M. MARTINSON, NEW YORK, NEW YORK Page 1 of 1  
Weather Cloudy - rain Temp. 85 Inspection Time 0800 - 1630 Hours 8  
Other time (travel, testing, report preparation) \_\_\_\_\_

The contractor's operations for the day consisted of the following:

1. Hauling granular fill and placing it along footing Line A.
2. Compacting the granular fill placed along footing Line A.

Inspection for the day:

1. The operations enumerated above were observed.
2. One Field Unit Weight Test was performed and the results reported on the attached sheet.

DISTRIBUTION: O. M. Martinson (2)  
Mr. Robert Brown (1)

A. D. Franzen  
Inspector

  
Haley & Aldrich, Inc.  
Consulting Soil Engineers



HALEY & ALDRICH, INC.  
CONSULTING SOIL ENGINEERS

## FIELD IN-PLACE UNIT WEIGHT TEST REPORT

PROJECT PARKING GARAGE, MAINE MEDICAL CENTER

LOCATION PORTLAND, MAINE

CONTRACTOR D. M. MARTINSON

FILE NO. 270100

REPORT NO. 100-100000 8

DATE 11 AUGUST 1971

SHEET 7 OF 7

[illegible]

REMARKS:

A. D. F.

INSPECTOR

# FIELD INSPECTOR'S DAILY REPORT

PROJECT PARKING GARAGE, MAINE MEDICAL CENTER File No. 2701  
PORTLAND, MAINE Report No. 9  
 CLIENT O.M. MARTINSON, NEW YORK, NEW YORK Date 12 August 1971  
 CONTRACTOR O.M. MARTINSON, NEW YORK, NEW YORK Page 1 of 1  
 Weather Clear Temp. 85 Inspection Time 0800 - 1400 Hours 6½  
 Other time (travel, waiting, etc.) 1500 - 1600  
 Other time (travel, waiting, etc.) 2

The contractor's operations for the day consisted of the following:

1. Hauling granular fill and placing it along footing Line A.
2. Compacting the granular fill placed along footing Line A.

Inspection for the day:

1. The operations enumerated above were observed.
2. One Field Unit Weight Test was performed and the results are reported on the attached sheet.

Mr. Clarence Millner visited the site.

DISTRIBUTION: O. M. Martinson (2)  
 Mr. Robert Brown (1)

A. D. Franzen  
 Inspector

*J. Z. Kelly*  
 Haley & A. J. Ulrich, Inc.  
 Consulting Soil Engineers

PROJECT PARKING GARAGE, MAINE MEDICAL CENTER LOCATION PORTLAND, MAINE  
CONTRACTOR O. M. MARTINSON

FILE NO. 270100  
REPORT NO. 9  
DATE 12 August 1971  
SHEET 1 OF 1

[illegible]

REMARKS:

A. D. F.  
INSPECTOR



B2 BUSINESS ZONE R6 RESIDENCE ZONE  
APPLICATION FOR PERMIT

Class of Building or Type of Structure

Portland, Maine, June 21, 1971

PERMIT ISSUED

SEP 16 1971

1113  
CITY of PORTLAND

To the INSPECTOR OF BUILDINGS, PORTLAND, MAINE

The undersigned hereby applies for a permit to erect alter repair demolish install the following building structure equipment specifications, if any, submitted herewith and the following specifications:

Location 886-920 Congress Street, cor. Gilman Street Within Fire Limits? \_\_\_\_\_ Dist. No. \_\_\_\_\_  
Owner's name and address Maine Medical Center, 22 Bramhall St. Telephone \_\_\_\_\_  
Lessee's name and address \_\_\_\_\_ Telephone \_\_\_\_\_  
Contractor's name and address O. M. Martinson Construction Co. 305 E 63 St. Telephone \_\_\_\_\_  
Architect \_\_\_\_\_ New York, N. Y. 10021 Telephone \_\_\_\_\_  
Proposed use of building parking facility Specifications yes Plans yes No. of sheets 11  
Last use reinforced concrete No. families \_\_\_\_\_  
Material No. stories 7 Heat \_\_\_\_\_ Style of roof \_\_\_\_\_ No. families \_\_\_\_\_  
Other buildings on same lot hospital Roofing \_\_\_\_\_  
Estimated cost \$ \_\_\_\_\_ Fee \$ 5.00

General Description of New Work

To construct footings and foundation nly as per plans, for parking ~~place~~ ramp  
(same contractor to construct facility)

It is understood that this permit does not include in ta lution of heating apparatus which is to be taken out separately by and in the name of the heating contractor. PERMIT TO BE ISSUED TO contractor

Details of New Work

Is any plumbing involved in this work? \_\_\_\_\_ Is any electrical work involved in this work? \_\_\_\_\_  
Is connection to be made to public sewer? \_\_\_\_\_ If not, what is proposed for sewage? \_\_\_\_\_  
Has septic tank notice been sent? \_\_\_\_\_ Form notice sent? \_\_\_\_\_  
Height average grade to top of plate \_\_\_\_\_ Height average grade to highest point of roof \_\_\_\_\_  
Size, front \_\_\_\_\_ depth \_\_\_\_\_ No. stories \_\_\_\_\_ solid or filled land? \_\_\_\_\_ earth or rock? \_\_\_\_\_  
Material of foundation \_\_\_\_\_ Thickness, top \_\_\_\_\_ bottom \_\_\_\_\_ cellar \_\_\_\_\_  
Kind of roof \_\_\_\_\_ Rise per foot \_\_\_\_\_ Roof covering \_\_\_\_\_  
No. of chimneys \_\_\_\_\_ Material of chimneys \_\_\_\_\_ of lining \_\_\_\_\_ Kind of heat \_\_\_\_\_ fuel \_\_\_\_\_  
Framing Lumber—Kind \_\_\_\_\_ Dressed or full size? \_\_\_\_\_ Corner posts \_\_\_\_\_ Sills \_\_\_\_\_  
Size Girder \_\_\_\_\_ Columns under girders \_\_\_\_\_ Size \_\_\_\_\_ Max. on centers \_\_\_\_\_  
Studs (outside walls and carrying partitions) 2x4-16" O. C. Bridging in every floor and flat roof span over 8 feet.  
Joists and rafters: 1st floor \_\_\_\_\_, 2nd \_\_\_\_\_, 3rd \_\_\_\_\_, roof \_\_\_\_\_  
On centers: 1st floor \_\_\_\_\_, 2nd \_\_\_\_\_, 3rd \_\_\_\_\_, roof \_\_\_\_\_  
Maximum span. 1st floor \_\_\_\_\_, 2nd \_\_\_\_\_, 3rd \_\_\_\_\_, roof \_\_\_\_\_  
If one story building with masonry walls, thickness of walls? \_\_\_\_\_ height? \_\_\_\_\_

If a Garage

No. cars now accommodated on same lot \_\_\_\_\_, to be accommodated \_\_\_\_\_ number commercial cars to be accommodated \_\_\_\_\_  
Will automobile repairing be done other than minor repairs to cars habitually stored in the proposed building? \_\_\_\_\_

Miscellaneous

Will work require disturbing of any tree on a public street? \_\_\_\_\_  
Will there be in charge of the above work a person competent to see that the State and City requirements pertaining thereto are observed? yes

O. M. Martinson Construction Co.

APPROVED:

R.L.B. ~~SEP 16 1971~~ SEP 16, 71

INSPECTION COPY

Signature of owner By: William A. Stanton

for O. M. Martinson

(M.A.)