

145-147 ALLEN AVENUE
NORTHFIELD GREEN



CITY OF PORTLAND, MAINE
Department of Building Inspection

Certificate of Occupancy

LOCATION 147-151 Allen Avenue

Issued to Barken Const. Co., Inc. Date of Issue August 25, 1977
1330 Boylston St. Chestnut Hill, Mass. 02167

This is to certify that the building, premises, or part thereof, at the above location, built—altered—changed as to use under Building Permit No. 76/1000 has had final inspection, has been found to conform substantially to requirements of Zoning Ordinance and Building Code of the City, and is hereby approved for occupancy or use, limited or otherwise, as indicated below.

PORTION OF BUILDING OR PREMISES

APPROVED OCCUPANCY

Entire

Bldg. # 1- 72 Units

Limiting Conditions:

This certificate supersedes
certificate issued

Approved:

8/25/77

(Date)

[Signature]
Inspector

[Signature]
Inspector of Buildings

Notice: This certificate identifies lawful use of building or premises, and ought to be transferred from owner to owner when property changes hands. Copy will be furnished to owner or lessee for one dollar.



APPLICATION FOR AMENDMENT TO PERMIT

Amendment No. # 1
Portland, Maine, Nov. 9, 1977

PERMIT ISSUED

NOV 10 1977

CITY of PORTLAND

To the INSPECTOR OF BUILDINGS, PORTLAND, MAINE

The undersigned hereby applies for amendment to Permit No. 76/1000 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 145- 151 Allen Ave. Within Fire Limits? _____ Dist. No. _____
 Owner's name and address Northfield Green Assoc.- 1330 Boylston St. Telephone 617-7249600
Chestnut Hill, Mass. 02167 Telephone _____
 Lessee's name and address _____ Telephone same
 Contractor's name and address Barkan Constr.- same Telephone _____
 Architect _____ Plans filed _____ No. of sheets _____
 Proposed use of building Housing for elderly No. families _____
 Last use same No. families _____
 Increased cost of work 5,000 Additional fee 22x 20.00

Description of Proposed Work

Amendment to original permit to extend parking lot. Plan will be brought in.

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:

ZONING OK MBW 11/9/77

O.K. E.B. 11/9/77

INSPECTION COPY

Signature of Owner

John H. Kaul
Northfield Green Associates

Approved:

[Signature]
Inspector of Buildings

PERMIT TO INSTALL PLUMBING

JAN 28 1977
PERMIT NUMBER 0585

Date Issued 1-27-77
Portland Plumbing Inspector
By ERNOLD R. GOODWIN

Address 115-117 Allen Ave.
Installation For Multiple
Owner of Bldg. Northfield Green Assoc. 1330 Boylston St.
Owner's Address: Chestnut Hill, Mass. 02167
Plumber: The Corber Co. Date: 1-27-77

App. First Insp. AUG 15 1976
Date
By em
App. Final Insp. MAR 10 1978
Date
By DEC 10 1977
Type of Bldg.
 Commercial
 Residential
 Single
 Multi Family
 New Construction
 Remodeling

NEW	REPAIR	NO.	DESCRIPTION	NO.	PRICE
			SINKS		
*		207	LAVATORIES 1/25/77	207	123.50
*		205	TOILETS	205	102.50
*		204	BATH/TUBS APR 1 1977	204	102.00
*		200	SHOWERS	200	200.00
*		1	DRAINS Drinking fountain	1	.50
*		6	FLOOR SURFACE	6	3.00
*		3	HOT WATER TANKS	3	1.50
*		3	TANKLESS WATER HEATERS	3	1.50
*		3	WASTE DISPOSALS	3	1.50
*		10	SEPTIC TANKS APR 12 1977	10	6.00
*		3	HOUSE SEWERS APR 21 1977 DEC 10 1977	3	6.00
*		3	ROOF LEADERS	3	6.00
*		3	AUXILIARY 1977	3	6.00
*		3	DISHWASHERS	3	6.00
*		3	OTHER washing machine stand per 1977	3	6.00
			base fee		3.00
				TOTAL	448.00

Building and Inspection Services Dept. Plumbing Inspection

**CERTIFICATE OF APPROVAL
FOR INTERNAL PLUMBING**

THE TOWN/CITY OF Portland

TOWN/CITY CODE 05170 LPI NUMBER 123 DATE ISSUED 4 28 80
Month Day Year

No **38788 IC**
Certificate of App. Number

Installer's Name HARMON F.I. M.I. MT

- Installer Code 2
- 1. Owner
 - 2. Licensed Master Plumber
 - 3. Licensed Oil Burnerman
 - 4. Employees of Public Utilities
 - 5. Manufactured Housing Dealer
 - 6. Manufactured Housing Mechanic

Owner North Hill
Address N 5 Hill
St./Lot Number Street/Road Name Subdivision
(Location where plumbing was done and inspected)

THE INTERNAL PLUMBING INSTALLED PURSUANT TO THE ABOVE CERTIFICATE OF APPROVAL NUMBER HAS BEEN TESTED IN MY PRESENCE, FOUND TO BE FREE FROM LEAKS, AND WAS INSTALLED IN COMPLIANCE WITH THE MUNICIPAL AND STATE PLUMBING REGULATIONS.

TOWN'S COPY

Signature of LPI [Signature]
Date Inspected APR 2 1980
ORIGINAL—To be sent to: Department of Human Services,
Division of Health
Engineering, Augusta, Maine 04333

INTERNAL PLUMBING PERMIT FOR THE TOWN/CITY OF Portland

Town/City Code 05170 LPI Number 123 Date Issued 4 28 80 INSTALLER'S License No. 1713

No **38788 IP**
PERMIT NUMBER

Address of Where Plumbing is Done 1147 ALLEN AVENUE Subdivision

- Installer Code 2
- 1. Owner
 - 2. Licensed Master Plumber
 - 3. Licensed Oil Burnerman
 - 4. Employees of Public Utilities
 - 5. Manufactured Housing Dealer
 - 6. Manufactured Housing Mech

Name of Owner GREEN WORTHFIELD Last Name F.I. M.I. Mailing Address Zip Code

Type of Construction	1. New 2. Remodeling	3. Addition 4. Remodeling & Addition	5. Replacement of Hot Water Heater 6. Hook-up of Mobile Home	7. Hook-up of Modular Home 8. Other (Specify) <u>1</u>
Plumbing To Serve	1. Single (Res) 2. Multi-Fam (Res)	3. Mobile Home 4. Modular Home	5. Commercial 6. School	7. Other (Specify) <u>2</u>
Number of Fixtures or Hook-Ups	Sink(s) <u>1</u> Toilet(s) <u>1</u> Bathtub(s) <u>1</u> Lavatorie(s) <u>1</u> Shower(s) <u>1</u> Urinal(s) <u>1</u>	Clothes Washer(s) <u>1</u> Dish-Washer(s) <u>1</u> Hot Water Heater(s) <u>1</u> Floor Drain(s) <u>1</u> Hook-Up(s) <u>1</u>		

This "Internal Plumbing Permit" is invalid if work is not commenced within six(6) months from date of issuance. Upon completion of work a "Certificate of Approval" must be obtained from the LPI.

SCHEDULE OF "FEES"

1-10	Fixtures	\$2.00 each
11-20	Fixtures	\$1.00 each
21	Fixtures on up	\$.50 each
	Hook-Ups	\$2.00 each

NOTE: Hotwater Heater (Tank or Tankless) is a Fixture!

Fixture Fee 2.00
Hook-Up Fee 00
Administrative Fee 3.00
Total Fee 5.00
If Double Fee Check Box

TOWN'S COPY

Signature of LPI [Signature] APR 2 1980
HHE-211 Rev. 4/79



APPLICATION FOR PERMIT
 DEPARTMENT OF BUILDING INSPECTIONS SERVICES
 ELECTRICAL INSTALLATIONS

Date Dec. 28, 19-76
 Receipt and Permit number A00207

To the CHIEF ELECTRICAL INSPECTOR, Portland, Maine:
 The undersigned hereby applies for a permit to make electrical installations in accordance with the laws of Maine, the Portland Electrical Ordinance, the National Electrical Code and the following specifications:

LOCATION OF WORK: 145-147 Allen Ave.
 OWNER'S NAME: Northfield Green ADDRESS: _____

OUTLETS: (number of)
 Lights 60 - 4515
 Receptacles 12 at 1.00
 Switches over 30 amps 202. at 2.00 FEES 404.00
 Plugmold _____ (number of feet) 12.00
 TOTAL 456.50

FIXTURES: (number of)
 Incandescent 1622 at 10¢
 Fluorescent _____ (Do not include strip fluorescent)
 TOTAL 162.20
 Strip Fluorescent, in feet _____

SERVICES:
 Permanent, total amperes 3 x 6.00 18.00
 Temporary ~~6 x 3.00~~

METERS: (number of) 6 at 50¢ 3.00

MOTORS: (number of)
 Fractional 416 at 50¢ 208.00
 1 HP or over 4 at 1.00 4.00

RESIDENTIAL HEATING:
 Oil or Gas (number of units) _____
 Electric (number of rooms) 121 121.00

COMMERCIAL OR INDUSTRIAL HEATING:
 Oil or Gas (by a main boiler) 21 at 2.00 42.00
 Oil or Gas (by separate units) _____
 Electric (total number of kw) _____

APPLIANCES: (number of)
 Ranges _____ Water Heaters _____
 Cook Tops _____ Disposals _____
 Wall Ovens _____ Dishwashers _____
 Dryers _____ Compactors _____
 Fans _____ Others (denote) _____
 TOTAL _____

MISCELLANEOUS: (number of)
 Branch Panels 225 at 1.00 225.00
 Transformers _____
 Air Conditioners _____
 Signs _____
 Fire/Burglar Alarms Comm 3 at 5.00 15.00 ~~15.00 x 5.00~~
 Circus, Fairs, etc. _____
 Alterations to wires _____
 Repairs after fire _____
 Heavy Duty, 220v outlets _____
 Emergency Lights, battery 50 at 50 25.00
 Emergency Generators _____

INSTALLATION FEE DUE: _____
 FOR ADDITIONAL WORK NOT ON ORIGINAL PERMIT DOUBLE FEE DUE: _____
 FOR REMOVAL OF A "STOP ORDER" (304-16.b)
 FOR PERFORMING WORK WITHOUT A PERMIT (304-9)
 TOTAL AMOUNT DUE: 1.695.70

INSPECTION:
 Will be ready on _____, 19-; or Will Call x
 CONTRACTOR'S NAME: Caron & Waltz
 ADDRESS: P. O. Box 2400 So. Portland, Me.
 TEL.: 799-2228
 MASTER LICENSE NO.: on file SIGNATURE OF CONTRACTOR: Thomas S. Toley
 LIMITED LICENSE NO.: _____

INSPECTOR'S COPY

Bld 1 Kelly

ELECTRICAL INSTALLATIONS —

INSPECTIONS: Service _____ by _____
Service called in 8-3-77
Closing-in 4-15-77 by Kelly

PROGRESS INSPECTIONS: 2-18-77 6-24-77, 10-4-77
3-11-77, 7-22-77, 11-8-77
4-4-77, 8-1-77, 11-22-77
4-11-77, 9-8-77, 1-4-78
4-26-77, 9-13-77
6-1-77, 9-2-77

Permit Number 257
Location 145-147 Allen Ave.
Owner North Hill Bldg. Co.
Date of Permit 12-28-76
Final Inspection 1-4-78
By Inspector Kelly
Permit Application Register Page No. 183

CODE
COMPLIANCE
COMPLETED
DATE 1-4-78

DATE:	REMARKS:
<u>4-4-77</u>	<u>Told super today must have refer. plug.</u>
<u>4-15-77</u>	<u>Close in first section.</u>
<u>6-1-77</u>	<u>Final close-in Bldg #1</u>
<u>7-22-77</u>	<u>Bldg. #3 closing in</u>
<u>9-8-77</u>	<u>close-in Bldg #2 (down)</u>
<u>9-21-77</u>	<u>Service Bldg #3</u>
<u>10-9-77</u>	<u>Service Bldg #2</u>
<u>11-22-77</u>	<u>Final on Bldg #2</u>
<u>1-4-78</u>	<u>North Hill Bldg. Community Bldg.</u>



APPLICATION FOR PERMIT
 DEPARTMENT OF BUILDING INSPECTIONS SERVICES
 ELECTRICAL INSTALLATIONS

Date Nov. 19, 19 76
 Receipt and Permit number A1974

To the CHIEF ELECTRICAL INSPECTOR, Portland, Maine.
 The undersigned hereby applies for a permit to make electrical installations in accordance with the laws of Maine, the Portland Electrical Ordinance, the National Electrical Code and the following specifications:

LOCATION OF WORK: 1330 BOSTON ST. #15 147 Allen Ave.
 OWNER'S NAME: Barkan Construction Co. ADDRESS: ST same

OUTLETS: (number of)
 Lights _____
 Receptacles _____
 Switches _____
 Plugmold _____ (number of feet) FEES
 TOTAL _____

FIXTURES: (number of)
 Incandescent _____
 Fluorescent _____ (Do not include strip fluorescent)
 TOTAL _____
 Strip Fluorescent, in feet _____

SERVICES:
 Permanent, total amperes _____
 Temporary 200 100 _____

METERS: (number of) 1 _____ 3.00
 MOTORS: (number of) _____ .50
 Fractional _____
 1 HP or over _____

RESIDENTIAL HEATING:
 Oil or Gas (number of units) _____
 Electric (number of rooms) _____

COMMERCIAL OR INDUSTRIAL HEATING:
 Oil or Gas (by a main boiler) _____
 Oil or Gas (by separate units) _____
 Electric (total number of kws) _____

APPLIANCES: (number of)
 Ranges _____
 Cook Top: _____
 Wall Oven: _____
 Dryers _____
 Fans _____
 Water Heaters _____
 Disposals _____
 Dishwashers _____
 Compactors _____
 Others (denote) _____

MISCELLANEOUS: (number of)
 Branch Panels _____
 Transformers _____
 Air Conditioners _____
 Signs _____
 Fire/Burglar Alarms _____
 Circus, Fairs, etc. _____
 Alterations to wires _____
 Repairs after fire _____
 Heavy Duty, 220v outlets _____
 Emergency Lights, battery _____
 Emergency Generators _____

FOR ADDITIONAL WORK NOT ON ORIGINAL PERMIT INSTALLATION FEE DUE:
 FOR REMOVAL OF A "STOP ORDER" (304-16.b) DOUBLE FEE DUE:
 FOR PERFORMING WORK WITHOUT A PERMIT (304-9)
 TOTAL AMOUNT DUE 3.50

INSPECTION:
 Will be ready on _____, 19____; or Will Call x

CONTRACTOR'S NAME: Caron & Waltz
 ADDRESS: P. O. Box 2490 So. Portland, Me.
 TEL.: 759-2228

MASTER LICENSE NO.: on file

LIMITED LICENSE NO.: _____
 SIGNATURE OF CONTRACTOR: [Signature]

INSPECTOR'S COPY

CITY OF PORTLAND, MAINE
MEMORANDUM

TO: R. Lovell Brown, Director, Building & Inspection Services DATE: November 22, 1977
FROM: Jeremiah P. O'Brien, Planning Dept. & John Rague, Public Works Dept.
SUBJECT: Northfield Green - 145-147 Allen Avenue

Mr. Rague and I have reviewed the proposed extension of a parking lot at Northfield Green and relocation of a drainage ditch. We have no objections to these modifications.

I understand that the applicant will forward copies of the revised site plan to your office in the near future.


Jeremiah P. O'Brien
Planning Department

cc: Tecko Brown, DEP
Lewis N. Garfield, BARKAN

PERMIT INFORMATION

NORTHFIELD GREEN

Outlets 60 4515	5.00 @.10 ea.451.50	
Fixtures. 1622 @.10		\$456.50
Service: 3 x 6.00		162.20
Meters 6 @.50		18.00
Motors: 416 @ .50		3.00
1 HP and over 4 @ 1.00		208.00
RESIDENTIAL HEATING		4.00
Electric Heat 121 @ 1.00		
COMMERCIAL HEATING		
Oil/ Main Boiler		121.00
Oil/ Separate Units 21 @ 2.00		
Appliances: @ 1.50		<u>42.00</u>
MISC:		
Branch Panels 225 @ 1.00		<u>225.00</u>
Transformers		
Air Conditioners - Separate Units @2.00		<u>15.00</u>
Fire Alarm Systems:		
Commercial 3 @ 5.00		12.00
Heavy Duty Receptacles:		
30 Amp and Under 12 @ 1.00		404.00
Over 30 Amp. 202 @2.00		
Emergency Battery Units 50 @ .50		25.00
		<u>\$1695. 70</u>



APPLICATION FOR AMENDMENT TO PERMIT

Amendment No. # 1
Portland, Maine, Nov. 9, 1977

PERMIT ISSUED

NOV 10 1977

CITY of PORTLAND

To the INSPECTOR OF BUILDINGS, PORTLAND, MAINE

The undersigned hereby applies for amendment to Permit No. 7671000 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 145-151 Allen Ave. Within Fire Limits? Dist. No.
Owner's name and address Northfield Green Assoc. 1330 Boylston St. Telephone 517-7249600
Lessee's name and address Chestnut Hill, MA Phone 2167
Contractor's name and address Barkan Constr. - Barre Telephone GRAMS Plans filed No. of sheets
Architect No. families
Proposed use of building Housing for elderly No. families
Last use gar Additional fee \$15.00
Increased cost of work 5,000 Description of Proposed Work

Amendment to original permit to extend parking lot. Plan will be brought in.

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 of lining
No. of chimneys Material of chimneys Dressed or full size?
Framing lumber—Kind Sills Girt or ledger board? Size
Corner posts 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 [Signature]

Approved: _____ Inspector of Buildings

FILE COPY



FILL IN AND SIGN HERE

APPLICATION FOR PERMIT FOR HEATING, COOKING OR POWER EQUIPMENT

Portland, Maine, Aug 5, 1977

0568 PERMIT ISSUED

AUG 1977

CITY OF PORTLAND

To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

The undersigned hereby applies for a permit to install the following heating, cooking or power equipment in accordance with the Laws of Maine, the Building Code of the City of Portland, and the following specifications:

Location 145-147 Allen Ave. Use of Building housing complex No. Stories 2 New Building
Name and address of owner of appliance Northfield Green for elderly 145-147 Allen Ave. Existing
Installer's name and address Garber Co. P.O. Box 62 Waddfords St. Telephone 772-5887

General Description of Work

To install forced hot water furnace - new

IF HEATER, OR POWER BOILER

Location of appliance 1st floor Any burnable material in floor surface or beneath? no
If so, how protected? boiler room Kind of fuel? # 2 fuel oil
Minimum distance to burnable material, from top of appliance or casing top of furnace 10 ft.
From top of smoke pipe 10 ft. From front of appliance 10 ft. From sides or back of appliance 10 ft.
Size of chimney flue 12 in. Other connections to same flue
If gas fired, how vented? Rated maximum demand per hour
Will sufficient fresh air be supplied to the appliance to insure proper and safe combustion? yes

IF OIL BURNER

Name and type of burner Hydrotherm Labelled by underwriters' laboratories? yes
Will operator be always in attendance? no Does oil supply line feed from top or bottom of tank? top
Type of floor beneath burner concrete Size of vent pipe 3 in.
Location of oil storage underground Number and capacity of tanks 1-10,000 gal.
Low water shut off yes Make McDonald Miller No
Will all tanks be more than five feet from any flame? yes How many tanks enclosed? none
Total capacity of any existing storage tanks for furnace burners 10,000

IF COOKING APPLIANCE

Location of appliance Any burnable material in floor surface or beneath?
If so, how protected? Height of Legs, if any
Skirting at bottom of appliance? Distance to combustible material from top of appliance?
From front of appliance From sides and back From top of smokepipe
Size of chimney flue Other connections to same flue
Is hood to be provided? If so, how vented? Forced or gravity?
If gas fired, how vented? Rated maximum demand per hour

MISCELLANEOUS EQUIPMENT OR SPECIAL INFORMATION

Amount of fee enclosed 15.00

APPROVED:

O.K. E.S. 8/15/77

Will there be in charge of the above work a person competent to see that the State and City requirements pertaining thereto are observed?

EG 300

INSPECTION COPY

Signature of Installer

THE GERBER CO., INC. [Signature]

CBT

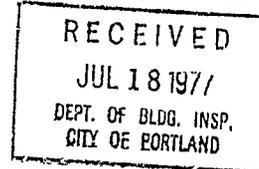
70 - G.L. Files
145-147 Allen Ave

Childs Bertman Tseckares Associates Inc.

Architecture
Landscape Architecture and Land Planning
Urban Design and Neighborhood Planning
Space Planning and Interior Design

306 Dartmouth Street, Boston, Massachusetts 02116 Telephone 617-252-4351

16 July 1977



Portland Building Department,
Portland, Maine. 04111.

Attention: Mr. Robert Brown.

Re: Northfield Green.

Gentlemen,

Enclosed is a sketch of the new supports for the hot water storage tank in the boiler room in building No. 1. The new supports are required because the weight of the tank is much greater than the tank that the floor was designed for. The remaining mechanical equipment can be safely carried on the present floor and ceiling joists.

Mr. Hugh Irving of your office at a meeting on the site on June 29, 1977 asked clarification on the following items:

1. Supporting partitions on the floor framing - the floor has sufficient capacity to carry the present partitions and still carry the required live load.
2. A section of floor in lobby #2 in building No. 1 appears out of level - at this particular location the bearing lines shift about 7½ ft. Thus, you have part of the lobby near the support and part at about the third span of the joists. As the dead load is applied to the joists, they flatten out. Since the center flattens the most and the ends don't flatten at all you end up with the present situation. This does not compromise the structural integrity of the floor.
3. There is a slight rolling in a corridor beam in the crawl space of building No. 1 - this appears to have happened during erection. It may have happened because some of the bracing may have moved. It should be noted that there has been no movement since the shell has been completed and it only has occurred in this one spot.

Principals: Richard Jay Bertman, Anthony B. Casendino, Maurice F. Collins, Charles H. Tseckares
Associates: Leslie I. Brown, Alan A. Schoenberger, Peter H. Smith, Donald A. Wheeler

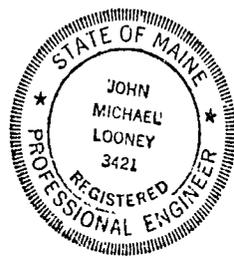
cont...2

To ensure no additional movement occurs, the contractor has been instructed to bolt some 2 X 6 braces across to the adjacent corridor beam.

If you have any questions, please call.

Yours truly,

John M. Looney, P.E.
John M. Looney, P.E.



G.C. Barkan Construction

CBT

Childs Bortman Teackares Associates Inc.

CBT

Childs Bertman Tseckares Associates Inc.

Architecture
Landscape Architecture and Land Planning
Urban Design and Neighborhood Planning
Space Planning and Interior Design

306 Dartmouth Street, Boston, Massachusetts 02116, Telephone 617-262-4354

June 16, 1977

Portland Building Department
Portland, Maine
Atten: Mr. Robert Brown

RE: Northfield Green

Gentlemen:

In answer to your questions on hanging a six inch cast iron drain line under the first floor corridor in building number one, and also supporting the line on woodbars where it leaves the building, a six inch cast iron pipe full of water weighs about 38 pounds per foot. The corridor was designed according to BOCA for an 80 PSF live load and a 10 PSF dead load. The capacity of the 2 x 6 at 24" O.C. framing is 141 PSF or a reserve of 51 PSF. Considering the corridor is 5 feet wide, the reserve capacity is 255 pounds per linear foot of corridor. Therefore, the pipe should be supported 6 feet O.C. maximum.

The 20.2 inch deep woodbars have a capacity of 142 pounds per linear foot. The actual live load plus dead load is 100 pounds per linear foot. The reserve capacity is 42 pounds per linear foot. This is slightly more than the weight of the drain line. We recommend the weight of the drain line be shared by two joists.

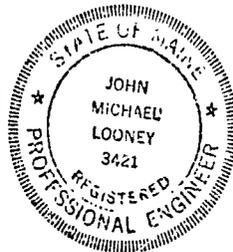
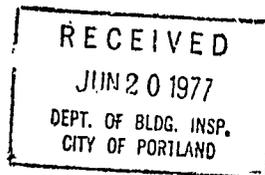
In stair number two in building number three, there is a glulam beam 5 1/8 x 12 3/9" which has been notched 3 inches at its ends. The load carrying capacity of this beam is governed by the horizontal shear stress at the notch. The actual horizontal shear stress is 142 PSI when the beam is loaded with the required live and dead loads. The allowable horizontal shear stress is 165 PSI. Therefore, the notching is acceptable.

If you have any questions, please call.

Very truly yours,

John M. Looney P.E.
John M. Looney, P.E.

JML:hh



Principals: Richard Jay Bertman Anthony B. Casendino Maurice F. Childs Charles N. Tseckares
Associates: Leslie I. Brown Alan A. Schoenegge Peter H. Smith Donald A. Wheeler

CBT

Childs Bertman Tseckares Associates Inc.

Architecture
Landscape Architecture and Land Planning
Urban Design and Neighborhood Planning
Space Planning and Interior Design

306 Dartmouth Street Boston, Massachusetts 02116, Telephone 617-262-4354

February 11, 1977

Portland Building Department
Portland, Maine

Attn: Mr. Robert Brown

Re: Northfield Green

Gentlemen:

I certify that the roof trusses used in the above mentioned project were designed according to acceptable engineering practices.

The snow load is based on Section 711.0 Snow Load of the Boca Basic Building Code/1975. Sub-section 711.2 Design Snow Load specifies use of a 50 year mean recurrence interval for a R-2 use group (residential, multi-family). Figure L-103.1b indicates that the 50 PSF line is just north of Portland, ME. Sub-section 711.3 Roof Snow Load states that the ground snow load must be multiplied by the coefficient C_s . Sub-section 711.3.1 Snowload Coefficients states that C_s shall be 0.8. The resultant snow load is 40 PSF.

On areas of the roof where additional snow can accumulate, such as valleys and at the intersections between high and low roof, additional snow load was considered according to figure L-103.2a, L-103.2b and L-103.2c of the 1975 Boca code.

Enclosed is a copy of the computer output for the roof trusses prepared by Wood Fabricators Inc. of Billerica, Mass.

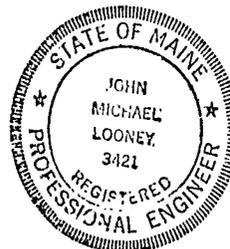
If you have any questions please call.

Very truly yours,

John M. Looney, P.E.
John M. Looney, P.E.

JML/md

Enclosure



Principals Richard Jay Bertman, Anthony B. Casentino, Maurice F. Childs, Charles N. Tseckares
Associates Leslie I. Brown, Alan A. Schonegge, Peter H. Smith, Donald A. Wheeler

Feb. 28, 1977

145 Allen Ave.

Caron & Waltz
Electric Contractors
416 Preble St.
South Portland, Maine 04106

Re: Northfield Green
Refrigerator Outlets

Dear Sir:

This letter confirms our previous conversation regarding the need for an electrical outlet behind the refrigerator in each apartment.

This outlet is required by this department and must be installed in order to pass a closing-in inspection.

Very truly yours,

Richard L. Libby
Chief Electrical Inspector

RIL/ht

Jan. 31, 1977

145-147 Allen Ave.

Wood Fabricators
North Billerica, Mass.

cc to: Northfield Green Assoc.
1330 Boylston St.
Chestnut Hill, Mass. 02116

Gentlemen:

Woodbar fabricated joints are acceptable as per
plan received at this office on Dec. 30, 1976, job
3957, Northfield Green, Portland, Maine.

Very truly yours,

Earle S. Smith
Plan Examiner

ESS7ht

FILE

January 5, 1977

The Gerber Company
Att: Mr. John Gerber
112 Longwood Drive
Portland, Me. 04103

RE: Northfield Green Elderly Housing
145-147 Allen Ave.

Dear Sir:

In review of the plans and specifications of the above named project:

All underground waste and drainage piping within the building foundation, known as the building drain, and the house sewer: that part of the system from building to street sewer or manhole shall be cast iron. Any and all drainage, waste and vent, 6" above the floor may be PVC or ABS, Sch. 40.

All water piping within the building may be type M copper tubing wherever same is above ground. All copper tubing below ground must be type K or L as per City of Portland and State Plumbing Code, published 1973 and as amended July 1975.

Very truly yours,

Ernold R. Goodwin, R.S.
Chief Plumbing Inspector

ERG:k



FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT FOR HEATING, COOKING OR POWER EQUIPMENT

0517

PERMIT ISSUED
JUN 24 1977
CITY of PORTLAND

To the INSPECTOR OF BUILDINGS, PORTLAND, ME.
The undersigned hereby applies for a permit to install the following heating, cooking or power equipment in accordance with the Laws of Maine, the Building Code of the City of Portland, and the following specifications:

Location 145-147 Allen Ave. Use of Building apt. houses No. Stories 2 New Building
Name and address of owner of appliance Barkan Constr. Telephone 774-4564
Installer's name and address P. Reuben & Co., 252 Brackett St.

To install to install three forced hot water heating systems
Bldg. 1 - 2 - 3 General Description of Work

IF HEATER, OR POWER BOILER
Location of appliance boiler rooms Any burnable material in floor surface or beneath? no
If so, how protected? no Kind of fuel? oil
Minimum distance to burnable material, from top of appliance or casing top of furnace 5'
From top of smoke pipe 2' From front of appliance 3' From sides or back of appliance 4'
Size of chimney flue 18" Other connections to same flue no
If gas fired, how vented? no Rated maximum demand per hour yes
Will sufficient fresh air be supplied to the appliance to insure proper and safe combustion? yes

IF OIL BURNER
Name and type of burner Hydra Therm Labeled by underwriters' laboratories? yes
Will operator be always in attendance? no Does oil supply line feed from top or bottom of tank? bottom
Type of floor beneath burner cement Size of vent pipe 8" Number and capacity of tanks 1 - 6000
Location of oil storage underground Make McDonnell Miller How many tanks enclosed? none
Low water shut off yes Total capacity of any existing storage tanks for furnace burners no
Will all tanks be more than five feet from any flame? yes

IF COOKING APPLIANCE
Location of appliance no Any burnable material in floor surface or beneath? no
If so, how protected? no Height of Legs, if any no
Skirting at bottom of appliance? no Distance to combustible material from top of appliance? no
From front of appliance no From sides and back no From top of smokepipe no
Size of chimney flue no Other connections to same flue no Forced or gravity? no
Is hood to be provided? no If so, how vented? no Rated maximum demand per hour no
If gas fired, how vented? no

MISCELLANEOUS EQUIPMENT OR SPECIAL INFORMATION

Amount of fee enclosed? \$45.

APPROVED:
K. S.B. 6/23/77

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.

Signature of Installer [Signature]

INSPECTION COPY



APPLICATION FOR PERMIT

B.O.C.A. USE GROUP

B.O.C.A. TYPE OF CONSTRUCTION

ZONING LOCATION

PORTLAND, MAINE, May 25, 1977

To the DIRECTOR OF BUILDING & INSPECTION SERVICES, PORTLAND, MAINE

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

LOCATION 145-147 Allen Ave. - Northfield Green

- 1. Owner's name and address .. Barkan Construction - Boston, Mass. Fire District #1 , #2
- 2. Lessee's name and address .. Telephone ..
- 3. Contractor's name and address .. P. Reuben & Co. 252 Brackett St. Telephone .. 774-4564
- 4. Architect .. Specifications .. Plans .. No. of sheets ..
- Proposed use of building .. No. families ..
- Last use .. No. families ..
- Material .. No. stories .. Heat .. Style of roof .. Roofing ..
- Other buildings on same lot ..
- Estimated contractual cost \$.. Fee \$ 45.00

FIELD INSPECTOR—Mr.

This application is for: @ 775-5451 Ext. 234

GENERAL DESCRIPTION

Permit to install 3 - 6,000 oil tanks underground at above location.

Stamp of Special Conditions

NOTE TO APPLICANT: Separate permits are required by the installers and subcontractors of heating, plumbing, electrical and mechanicals.

PERMIT IS TO BE ISSUED TO 1 2 3 4

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 .. Kind of heat .. fuel ..
- No. of chimneys .. Material of chimneys .. of lining .. Sills ..
- Framing Lumber—Kind .. Dressed or full size? .. Corner posts ..
- 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? ..

APPROVALS BY: DATE

BUILDING INSPECTION—PLAN EXAMINER ..

ZONING: ..

BUILDING CODE: ..

Fire Dept.: ..

Health Dept.: ..

Others: ..

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? ..

Signature of Applicant ..

Type Name of above .. Sam. Reuben Burohoff .. Phone # same ..

Other .. and Address ..

FIELD INSPECTOR'S COPY



APPLICATION FOR PERMIT

B.O.C.A. USE GROUP

B.O.C.A. TYPE OF CONSTRUCTION

ZONING LOCATION

PORTLAND, MAINE, Dec. 7, 1976

PERMIT ISSUED
DEC 7 1976
CITY OF PORTLAND

To the DIRECTOR OF BUILDING & INSPECTION SERVICES, PORTLAND, MAINE
The undersigned hereby applies for a permit to erect, alter, repair, demolish, move or install the following building, structure, equipment or change use in accordance with the Laws of the State of Maine, the Portland B.O.C.A. Building Code and Zoning Ordinance of the City of Portland with plans and specifications, if any, submitted herewith and the following specifications:

LOCATION 145-147 Allen Ave.
1. Owner's name and address Caron & Waltz S Fire District #1 #2
2. Lessee's name and address .. Telephone ..
3. Contractor's name and address Suburban Propane Gas Thompsons pt. Telephone 774-0387
4. Architect .. Specifications .. Plans .. No. of sheets ..
Proposed use of building .. housing for elderly .. No. families ..
Last use .. No. stories .. Heat .. Style of roof .. No. families ..
Material .. Roofing ..
Other buildings on same lot ..
Estimated contractual cost \$.. Fee \$ 2.00

FIELD INSPECTOR—Mr.

This application is for:
Dwelling .. @ 775-5451
Garage .. Ext. 234
Masonry Bldg.
Metal Bldg.
Alterations ..
Demolitions ..
Change of Use ..
Other ..

GENERAL DESCRIPTION

To install two one hundred gal. tanks
propane gas as per plan

Stamp of Special Conditions

NOTE TO APPLICANT: Separate permits are required by the installers and subcontractors of heating, plumbing, electrical and mechanicals.

PERMIT IS TO BE ISSUED TO 1 2 3 4
Other:

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 .. Kind of heat .. fuel ..
No. of chimneys .. Material of chimneys .. Roof covering .. Sills ..
Framing Lumber—Kind .. Dressed or full size? .. Corner posts .. Max. on centers ..
Size Girder .. Columns under girders .. Size .. roof ..
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? ..

APPROVALS BY:

BUILDING INSPECTION—PLAN EXAMINER .. DATE ..
ZONING: ..
BUILDING CODE: ..
Fire Dept.: ..
Health Dept.: ..
Others: ..

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

Signature of Applicant .. Phone # ..
Type Name of above Michael Merlatti ..
Other .. 1 2 3 4
and Address ..

FIELD INSPECTOR'S COPY

147-151 Allen Avenue.

March 8, 1976

Barken Const. Co., Inc.
1330 Boylston Street
Chestnut Hill, MA 02167

cc: Jerome T. Marconi
1330 Boylston Street
Chestnut Hill, MA 02167

William B. Troubh
465 Congress Street
Portland, ME 04111

Building permit to construct three wood frame buildings with 201 dwelling units and one building as a community development building in the R-5 Residence Zone in which this property is located, is not issuable under the Zoning Ordinance because only 67 parking spaces are to be provided instead of the 201 spaces required. (Section 602.14.B.1)

We understand you would like to exercise your appeal rights in this matter. Accordingly, you or your authorized representative should come to this office, Room 113, City Hall, to file the appeal on forms which are available here. A fee of \$5.00 shall be paid at this office at the time the appeal is filed. If fee has been paid and appeal filed prior to this letter, then consider this letter as a matter of formality. (Section 602.24.C.3.b.1)

Space & Bulk

Very truly yours,

A. Allan Soule
Assistant Director

AAS/mt

147-151 Allen Avenue

April 1, 1976

Inst. Co., Inc.
Boston Street
Chestnut Hill, MA 02167

cc: Jerome L. Marconi
1330 Boylston Street
Chestnut Hill, MA 02167

William B. Trough
465 Congress Street
Portland, ME 04111

As the decision of the Board of Appeals regarding
petition to construct three wood frame buildings
dwelling units and one building as a community
building in the R-5 Residence Zone in which
the property is located. Please note that your appeal

If your permit can be issued, you must pay the
cost of the appeal itself. Therefore, we will have to know the
contractual cost.

Very truly yours,

A. Allan Soule
Assistant Director

CITY OF PORTLAND, MAINE
IN THE BOARD OF APPEALS

SPACE AND BULK VARIANCE (OTHER THAN FOR DWELLING UNIT CONVERSIONS)

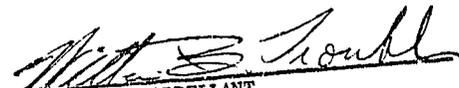
Barken Const. Co., Inc., owner of property at 147-151 Allen Avenue
under the provisions of Section 602.24 C of the Zoning Ordinance of the City of

Portland, hereby respectfully petitions the Board of Appeals to permit: the construction of three wood frame buildings with 201 dwelling units and one building as a community development building in the R-5 Residence Zone in which this property is located. This permit is not issuable under the Zoning Ordinance because only 67 parking spaces are to be provided instead of the 201 spaces required (Section 602.14.B.1)

LEGAL BASIS OF APPEAL: Such permit may be granted only if the Board of Appeals finds that the conditions imposed by Section 602.24 C(3)(b)(1) of the Zoning Ordinance have been met. (See reverse side hereof for said conditions.)

Site Plan approval (is/is not) required by the Site Plan Ordinance. If site plan

approval is required, a preliminary or final site plan is attached hereto as Exhibit A.


APPELLANT

602.24 C(3)(b)(1) Space and Bulk Variances other than for Dwelling Unit Conversions:

- (a) The subject lot or parcel is exceptional as compared to other lots or parcels subject to the same provision by reason of unique physical condition, including irregularity, narrowness, shallowness, or substandard or marginal size; exceptional topographical features; and other extraordinary physical conditions peculiar to and inherent in the lot or parcel in question, which amount to more than a mere inconvenience to the owner.
- (b) The aforesaid unique physical condition existed at the time of the enactment of the provision from which a variance is sought or were created by natural forces or were the result of governmental action.
- (c) The carrying out of the strict letter of the provision from which a variance is sought would deprive the owner of the lot or parcel in question of substantial use and enjoyment of this property in the manner commonly enjoyed by owners of other lots or parcels subject to the same provision.
- (d) The hardship is not merely the inability of the owner or occupant to enjoy some special privilege or additional right not available to owners or occupants of other lots or parcels subject to the same provision.
- (e) Property in the same zone or neighborhood will not be adversely affected by the granting of the variance and the granting of the variance will not create conditions which would be detrimental to the public health or safety.

CITY OF PORTLAND, MAINE
MEMORANDUM

TO: A. Allan Soule, Assistant Director of Building & Inspection
FROM: Brian Nickerson, Planning Department
SUBJECT: Site Plan for 200 Units of Elderly Housing - Barkan Construction Co.

DATE: 3/9/76

The site plan for the subject proposal was received by the Planning Department today. I have been in contact with the applicant and its architect. They are aware that the site plan does not meet all the requirements of the Site Plan Ordinance and are making necessary revisions. The applicant has been advised that both Planning Board approval and DEP approval (site location) are required in addition to Board of Appeals action. The site plan review by the Planning Board has been tentatively scheduled for April 13, 1976; the applicant has been so advised and concurs.


Brian Nickerson

BN/jk

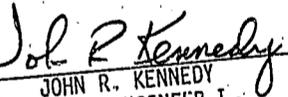
cc: Donald E. Megathlin, Jr., Planning Director
John Kennedy, Public Works
Capt. Miller, Fire Department

CITY OF PORTLAND, MAINE
MEMORANDUM

TO: A. Alan Soule, Assistant Director, Building Inspection Dept. DATE: 3/9/76
FROM: John R. Kennedy, Department of Public Works
SUBJECT: Site Plan Review
Elderly Housing
Barken Construction Company
145 - 151 Allen Avenue

We are unable to process the site plan for subject project until such time as a revised site plan is submitted which is in conformance with the Site Plan Ordinance, Chapter 604 of the Municipal Code.

I understand that Brian Nickerson, of the Planning Department, has contacted the Developer's architect and a revised site plan is forthcoming. We shall await that site plan before any action is taken by this Department.


JOHN R. KENNEDY
CIVIL ENGINEER I
PUBLIC WORKS DEPARTMENT

JRK/dmg

CC: Brian Nickerson,
Planning Department

CITY OF PORTLAND, MAINE
IN THE BOARD OF APPEALS
SPACE & BULK VARIANCE APPEAL

Findings of Fact

The applicant is Barken Const. Co., Inc. and he is interested in
the property located at 147-151 Allen Avenue as owner.
The owner of the property is same and his address is
1330 Boylston St., Chestnut Hill, MA 02167. The property is located in a R-5 Zone.
The present use of the property is new building.

The applicant respectfully petitions the Board of Appeals for a variance
from the provision of Section 602.14.B.1 of the Ordinance to permit the
construction of three wood frame buildings with 201 dwelling units and
one building as a community development building.

Further Findings of Fact

Parking areas in similar developments are at 3:1 and 4:1
ratio- the same or less parking than this proposal, and it's adequate.

Appearances

The names and addresses of those appearing in support of the application
are: William Trough - Atty.
Portland Housing Authority - Rev. Wilburn Miller
Hoyt Hovey, Dolores Paquette
and the names and addresses of those appearing in opposition to the application are:

Exhibits

The documentary evidence presented to the Board, including, but not by
way of limitation, plans, specification, photographs, etc. consisted of the following:
photo, map, illustrated plan, summary presented by developer

REASONS FOR DECISIONS

The parcel of land in question (~~is~~/is not) exceptional, compared to other lots or parcels subject to the same provision by reasons of its physical characteristics which may be described as follows: _____

and also by reason of the following topographical features: _____

and they (do/do not) amount to more than a mere inconvenience to the owner. The aforesaid physical conditions (strike out inapplicable references).

- (a) existed at the time of the enactment of the provision for which a variance is sought; or
- (b) were created by natural forces; or
- (c) were a result of governmental action.

The carrying out of the strict letter of the provision from which a variance is sought (~~would/would not~~) deprive the applicant of the substantial use or enjoyment of the property in the manner commonly enjoyed by owners of other lots or parcels subject to the same provision, because of the following: _____
this development's unique quality makes larger no. of parking areas unnecessary. No neighborhood opposition.

The hardship (~~is~~/is not) merely the inability of the applicant to enjoy some special privilege or additional right not available to owners or occupants of other lots or parcels subject to the same provision, as evidenced by: _____

Property in the same zone or neighborhood (~~will~~/will not) be adversely effected by the granting of the variance and the granting of the variance (~~will~~/will not) create conditions which would be detrimental to the public health or safety, because of the following: large acreage, much left in open space

SPECIFIC RELIEF GRANTED

After a public hearing held on March 31, 1976, the Board of Appeals find that all of the conditions required by the Ordinance (do/do not) exist with respect to this property and that a nonconforming use variance should _____ be granted in this case.

It is therefore determined that a variance from the provisions of the Zoning Ordinance should _____ be granted in this case.

W. Earle Eskilson

Jacqueline Cohen

James O'Malley

Thomas J. Murphy

Gail D. Snow



APPLICATION FOR AMENDMENT TO PERMIT

Amendment No. #1
August 25 1967
Portland, Maine

PERMIT ISSUED
OCT 17 1967
CITY OF PORTLAND

To the INSPECTOR OF BUILDINGS, PORTLAND, MAINE

The undersigned hereby applies for amendment to Permit No. 67/521 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 145-147 Allen Ave. (Meadow Park Gardens) Within Fire Limits? Dist. No.
Owner's name and address Meadow View Park, 34 Preble St. Telephone
Lessee's name and address Telephone
Contractor's name and address owners Telephone 774-8013
Architect Telephone
Proposed use of building Apartment House Plans filed on No. of sheets filed
Last use No. families 8-25-67
Increased cost of work No. families
Additional fee .50

Description of Proposed Work

To change plans of first floor from concrete slab to frame construction with crawl space.
To change location of boiler room from basement to outside attached to main building all as per plans.

Appeal sustained 10/12/67

Details of New Work permit to owners

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:

Meadow View Park

Signature of Owner by:

Approved:

Inspector of Buildings

INSPECTION COPY
CS-105

Meadow View Park
% Mitchell Cope
34 Preble Street

Amend. #1 - 145-147 Allen Ave.

Dear Mr. Cope:

Sept. 11, 1967

cc to: Corporation Counsel

Amendment No. 1 for permit to construct a 2-story frame apartment house 28' x 156', the first unit of the approved 18 dwelling units by the City of Portland Planning Board at the above named location is not issuable for the following reasons: (rights gained by appeal Sept. 29, 1966 for this building have expired because no work has commenced within six months of the date on which the appeal was granted Section 25-4 of the Zoning Ordinance.)

1. The area of the lot, exclusive of roads, is only about 16 1/2 acres instead of one acre per 8 dwelling units or 18 acres as required by Section 6-A-3 for R-5 Residence Zone in which this property is located.
2. This lot does not have required 50 foot frontage upon the accepted street contrary to Section 6-B-10.

We understand that you would like to exercise your appeal rights in this matter. Accordingly you or your authorized representative should come to this office in Room 113, City Hall to file the appeal on forms which are available here. A fee of \$15.00 shall be paid at this office at the time the appeal is filed.

If the appeal is sustained the following Building Code restrictions for the boiler room and changes in construction of the main building are required.

1. The 6x8 full size girders on a 7 foot span will need to be fir members.
2. The 2x4 inch rafters for the boiler room on a 7 foot span will need to be spaced at least 16 inches on center instead of the 2 feet on centers as on plans.

Very truly yours,

Gerald E. Mayberry
Director of Building & Inspection Services

GEM:m



R3 RESIDENCE ZONE

R5 RESIDENCE ZONE

APPLICATION FOR PERMIT

Class of Building or Type of Structure Third Class
Portland, Maine, June 13, 1967

PERMIT ISSUED
00521
JUN 30 1967

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 145-147 Allen Ave. (Meadow Park Gardens (Unit 1)) Within Fire Limits? _____ Dist. No. _____
Owner's name and address Meadow View Park, 34 Fribble St. Telephone _____
Lessee's name and address _____ Telephone _____
Contractor's name and address owner's Telephone _____
Architect _____ Telephone 774-8013
Proposed use of building apartment house Specifications _____ Plans yes No. of sheets 4
Last use _____ No. families 8
Material frame No. stories 2 Heat _____ Style of roof _____ Roofing _____
Other buildings on same lot _____
Estimated cost \$ 83,000.00

General Description of New Work

Fee \$ 166.00
fee pd. 6-12-67

To construct 2-story frame apartment house (8 units)-28' x 156'
(Town House)

(Approved)
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** owners

Details of New Work

Is any plumbing involved in this work? yes Is any electrical work involved in this work? yes
Is connection to be made to public sewer? yes If not, what is proposed for sewage? _____
Has septic tank notice been sent? _____ Form notice sent? yes
Height average grade to top of plate 17' Height average grade to highest point of roof 22'
Size, front 156' depth 28' No. stories 2 solid or filled land? solid earth or rock? earth
Material of foundation concrete at least 4' below grade Thickness, top 20" bottom 20" cellar boiler room only _____
Kind of roof pitch Rise per foot 5" Roof covering Asphalt Class C Und Label
No. of chimneys 1 Material of chimneys brick of lining tile Kind of heat oil fuel oil
Framing Lumber-Kind hemlock Dressed or full size? dressed Corner posts 4x6 Sills see plan
Size Girder see plan 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 2x8, 2nd 2x10, 3rd _____, roof truss-see plan
On centers: 1st floor 12", 2nd 14", 3rd _____, roof _____
Maximum span: 1st floor 14', 2nd 16', 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:

J. E. G.

Miscellaneous

Will work require disturbing of any tree on a public street? no
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

Meadow View Park

Signature of owner by: *Mitchell Cap...*

CS 301

INSPECTION COPY

1115 pd 9/14/66
Granted 9/29/66
64/90

CITY OF PORTLAND, MAINE
IN THE BOARD OF APPEALS

VARIANCE APPEAL

Minat Corporation, owner of property at 145-147 Allen Avenue under the provisions of Section 24 of the Zoning Ordinance of the City of Portland, hereby respectfully petitions the Board of Appeals for a variance from the provisions of said Ordinance to permit construction of 18 dwelling units with 8 families per dwelling unit (144 families). These permits are presently not issuable under the Zoning Ordinance because: (1) The area of the lot, exclusive of roads, is only about 16 1/2 acres instead of one acre per 8 dwelling units or 18 acres as required by Sec. 6-A-3; (2) This lot does not have the required 50 foot frontage upon an accepted street contrary to Sec. 6-B-10 and Sec. 18-B.

LEGAL BASIS OF APPEAL: Such variance may be granted only if the Board of Appeals finds that the strict application of the provisions of the Ordinance would result in undue hardship in the development of property which is inconsistent with the intent and purpose of the Ordinance; that there are exceptional or unique circumstances relating to the property that do not generally apply to other property in the same zone or neighborhood, which have not arisen as a result of action of the applicant subsequent to the adoption of this Ordinance whether in violation of the provisions of the Ordinance or not; that property in the same zone or neighborhood will not be adversely affected by the granting of the variance; and that the granting of the variance will not be contrary to the intent and purpose of the Ordinance.

The Minat Corp.
By: [Signature]
APPELLANT [Signature]

DECISION

After public hearing held September 29, 1966, the Board of Appeals finds that all of the above conditions do exist with respect to this property and that a variance should be granted in this case.

It is, therefore, determined that a variance from the provisions of the Zoning Ordinance should be granted in this case.

[Signature]
[Signature]
[Signature]
BOARD OF APPEALS

measure was contemplated to reduce the amount of through traffic. It was decided that there would be no physical access to Edgewood Avenue from Meadow View Drive, making it necessary for all vehicles to use Allen Avenue for access to the developments.

Also included in the Official Record of the August 19, 1966 Planning Board Minutes is the following supplemental information which are conditions of the adoption of the Plan for Meadow View Gardens:

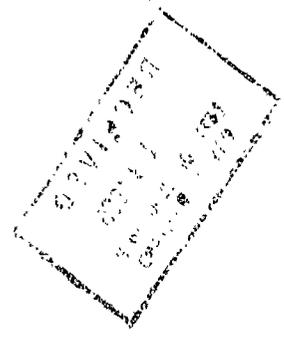
1. A cul-de-sac will bar vehicular access from Edgewood Avenue and Mona Road with the provision of curb around the cul-de-sac.
2. This barrier of curb is adequate for the needs of emergency vehicles.

A True Record of the Proceedings of the August 19, 1966 Foreland, Maine Planning Board Meetings

Wm. Bruce Dalton
Secretary of the
Foreland Planning Board

Subscribed and sworn to
by Wm. Bruce Dalton before me
October 13, 1966

~~Notary Public~~



CITY OF PORTLAND, MAINE
MEMORANDUM

TO: Bruce Dalton, Planning Director
DATE: July 18, 1966
FROM: Gerald E. Mayberry, Director of Building & Inspection Services
SUBJECT: Meadow View Gardens Development

In accordance with Section 6-A-3 of the Zoning Ordinance referring to the R-5 Residence Zone in which this property is located multi-family dwellings up to 8 dwelling units per structure are required to be located on a lot having an area of not less than one acre and as per Section 6-B-10 are required to have a minimum street frontage of 50 feet.

If these access roads are to become public streets instead of private drives then these streets would divide the property so that this would not meet the zoning requirements of being one contiguous lot.

Gerald E. Mayberry

GEM:A

cc Corporation Counsel

CITY OF PORTLAND, MAINE
MEMORANDUM

TO: Bruce Dalton, Planning
FROM: Gerald E. Mayberry, Building Inspection Director
SUBJECT: Meadow View Gardens Development Plan

DATE: July 7, 1966

Attached is a development plan presented by the Minat Corporation showing the proposed location of 18 multi-family dwelling units. Before we will be able to issue permits for any of these buildings we will need approval of the Planning Board with a plan for our files certified accordingly.

As this project is located in an R-5 Residence Zone a 20-foot front yard is required by Section 6-B-4 of the Zoning Ordinance. Although these streets may now be shown as private drives, there may be plans to get these streets accepted in the future. Should this be the case then many of the parking areas shown would be contrary to this section by being closer than 20 feet to the street lines.

GEM:m

3



APPLICATION FOR PERMIT

B.O.C.A. USE GROUP
B.O.C.A. TYPE OF CONSTRUCTION

ZONING LOCATION PORTLAND, MAINE, .. Oct. 25, 1976

PERMIT ISSUED
OCT 29 1976
1000
CITY OF PORTLAND

To the DIRECTOR OF BUILDING & INSPECTION SERVICES, PORTLAND, MAINE
The undersigned hereby applies for a permit to erect, alter, repair, demolish, move or install the following building, structure, equipment or change use in accordance with the Laws of the State of Maine, the Portland B.O.C.A. Building Code and Zoning Ordinance of the City of Portland with plans and specifications, if any, submitted herewith and the following specifications:

LOCATION 145-147 Allen Ave. Fire District #1 #2
1. Owner's name and address Northfield Green Assoc. 1330 Boylston St. Chestnut Hill, Ma. Telephone 617-734-9600
2. Lessee's name and address Telephone 797-5991
3. Contractor's name and address Barkan Constr. same as above Plans No. of sheets
4. Architect Specifications No. families .. 201
Proposed use of building housing for elderly Style of roof No. families
Last use Roofing
Material No. stories Heat
Other buildings on same lot
Estimated contractual cost \$ 2,800,000. Fee \$ 11,200.

FIELD INSPECTOR—Mr.

This application is for:
Dwelling
Garage
Masonry Bldg.
Metal Bldg.
Alterations
Demolitions
Change of Use
Other

@ 775-5451
Ext. 234

GENERAL DESCRIPTION

To construct a housing complex consisting of 3 buildings and a community bldg as per plans

5 appeal fee paid

Stamp of Special Conditions

NOTE TO APPLICANT: Separate permits are required by the installers and subcontractors of heating, plumbing, electrical and mechanicals.

Appeal sustained 3-31-76

PERMIT IS TO BE ISSUED TO 1 2 3 4
Other:

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 Kind of heat fuel
No. of chimneys Material of chimneys Roof covering Sills
Framing Lumber—Kind Dressed or full size? Corner posts Max. on centers
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.

APPROVALS BY:
BUILDING INSPECTION—PLAN EXAMINER
ZONING:
BUILDING CODE:
Fire Dept.:
Health Dept.:
Others:

Signature of Applicant
Type Name of above

David F. Willey
David F. Willey

Phone # 617-734-9600

Other 1 2 3 4
and Address

OFFICE FILE COPY

P. O. Box 7050, Downtown Station
 (Lab at 116 Pearl Street)
 Portland, Maine 04112
 207-775-5401

JORDAN GORRILL ASSOCIATES
 GEOTECHNICAL CONSULTANTS

Maine Avenue
 International Airport
 Bangor, Maine 04401
 207-947-6544

DATE 7-5-77

REPORT OF FIELD DENSITY TESTS

PROJECT Northfield Green Elderly Housing
 CLIENT Barkan Development Corporation

JOB NO. 7602873C

TEST NO.	TEST DATE 1977	IN-PLACE		MAX. DENSITY #/cf	MATERIAL & TEST LOCATION	ELEV.	DEPTH	COMP. (%)
		DEN-SITY #/cf	MOIS-TURE (%)					
58	5-18	132.7	2.7	136.4	D			
59	"	131.6	2.6	137.6	D			
60	5-19	113.7	7.4	118.7	C	Grade	Surface	97.3
61	5-20	114.8	5.4	116.5	C	"	"	95.6
62	"	113.4	5.0	116.7	C	"	"	95.8
63	5-23	112.7	5.5	117.1	C	"	"	95.8
64	"	111.5	6.2	116.4	C	"	"	98.5
65	5-24	113.4	9.2	116.6	C	"	"	97.2
66	5-25	113.2	4.5	117.2	C	"	"	96.2
67	5-26	112.3	5.9	117.4	C	"	"	95.8
68	"	112.4	4.8	117.3	C	"	"	97.3
69	5-27	112.8	4.8	117.9	C	"	"	96.6

Test Nos. 58, 59

60-69

Material

D

C

Lab Max Density 131.5#/cu. ft.

116.0#/cu. ft.

Optimum Moisture 7.9%

11.3%

The Maximum Density was computed for each field density by adjusting the laboratory density for the amount of coarse material (coarser than the # sieve) contained in the field density specimen. The M.D.O.T. method of adjustment was used in the computations.

COMMENTS: *C Material, #4; D Material 3/4". The placement and compaction of this material was monitored by Jordan Gorrill Associates.

Signed *Karl G. Rosell*
 for Karl G. Rosell

Sheet 6 of 3

P. O. Box 7050, Downtown Station
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 GEOTECHNICAL CONSULTANTS

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 International Airport
 Bangor, Maine 04401
 207-947-6566

DATE 7-5-77

REPORT OF FIELD DENSITY TESTS

PROJECT Northfield Green Elderly Housing
 CLIENT Barkan Development Corporation

JOB NO. 760287JC

TEST NO.	TEST DATE 1977	IN-PLACE		MAX. DENSITY #/cf	MATERIAL & TEST LOCATION	ELEV.	DEPTH	COMP. (%)
		DENSITY #/cf	MOISTURE (%)					
46	5-9	113.0	7.7	116.5	C Retest of Test #34			
47	"	113.7	5.1	117.1	C Community Room	92.5	-6"	97.0
48	"	111.1	5.0	116.8	C Green House	95.2	-6"	97.1
49	"	113.6	5.6	116.9	C Community Room	94.5	Surface	95.1
50	5-10	112.0	10.3	117.1	C Building #3, Section 'B'	96.2	-6"	97.2
51	5-11	115.3	5.2	116.6	C " " "	94.0	-7"	95.6
52	"	111.8	12.2	116.9	C Building #2, NW Leg	95.0	-6"	98.9
53	5-12	111.0	9.4	116.6	C Building #3, Section 'B'	96.0	-6"	95.6
54	5-13	112.8	15.1	116.6	C Building #2, SE Leg	94.0	Surface	96.7
55	"	117.4	8.3	119.5	C " , Southern Half Main Sec.	93.5	-6"	98.2
56	5-18	114.7	12.6	116.7	C " , SE Leg	93.5	-6"	98.3
57	"	112.7	9.9	116.6	C " , Southern Half Main Sec.	94.5	-6"	96.7

Test Nos. 46-57

Lab Density Method: ASTM D698 (AASHTO T 99) Lab Max Density 116.0#/cu. ft. Optimum Moisture 11.3%
C X ASTM D1557 (AASHTO T 180)

The Maximum Density was computed for each field density by adjusting the laboratory density for the amount of coarse material (coarser than the #4 sieve) contained in the field density specimen. The M.D.O.T. method of adjustment was used in the computations.

COMMENTS: The placement and compaction of this material was monitored by Jordan Gorrill Associates.

Signed Robert A. Rosell
 for Karl G. Rosell
 Sheet 5 of 8

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 GEOTECHNICAL CONSULTANTS

Maine Avenue
 International Airport
 Bangor, Maine 04401
 207-947-6355

DATE 7-5-77

REPORT OF FIELD DENSITY TESTS

PROJECT Northfield Green Elderly Housing

JOB NO. 76028730

CLIENT Barkan Development Corporation

TEST NO.	TEST DATE 1977	IN-PLACE		MAX. DENSITY #/cf	MATERIAL & TEST LOCATION	ELEV.	DEPTH	COMP. (%)
		DENSITY #/cf	MOISTURE (%)					
70	5-27	112.2	8.2	117.7	C Building #3 - Section B			
71	"	110.6	8.0	116.7	C Building #2 - South End	96.0	-5"	95.3
72	"	113.8	5.9	118.0	" - S.E. Leg	98.5	"	94.8*
73	5-31	133.6	4.9	136.3	D Building #3 - Section C	98.0	"	96.4
74	"	130.9	4.0	133.8	"	Grade	Surface	98.0
75	"	111.4	6.9	116.6	C Building #2 - S.W. Leg	"	"	97.8
76	6-1	113.7	4.6	118.6	" - North End	98.5	-5"	95.5
77	6-14	127.9	5.1	134.2	D " - S.E. Leg	"	-7"	95.9
78	"	133.3	3.9	135.0	D Building #2 - S.E. Leg	Grade	Surface	95.3
79	"	131.7	2.6	135.0	D " - South End	"	"	98.7
80	"	128.6	3.7	133.5	D " - " "	"	"	97.6
81	6-22	129.5	4.3	134.4	D " - S.W. Leg	"	"	96.4

Test Nos.

70-72, 75, 76

73, 74, 77-81

Material

Lab Max Density: Optimum Moisture

116.0#/cu. ft. 11.3%

131.5#/cu. ft. 7.9%

Lab Density Method: ASTM D698 (AASHTO T 99)

X ASTM D1557 (AASHTO T 150)

The Maximum Density was computed for each field density by adjusting the laboratory density for the amount of coarse material (coarser than the ** sieve) contained in the field density specimen. The M.D.O.T. method of adjustment was used in the computations.

COMMENTS: *This area was recompacted with no retest taken.

**C Material, #4; D Material, 3/4". The placement and compaction of this material was monitored by Jordan Gorrill Associates.

Rev. 9/75

Signed *Robert J. Rosell*
 for Karl G. Rosell

Sheet 7 of 8

P. O. Box 7050, Downtown Station
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JORDAN CORRILL ASSOCIATES
 GEOTECHNICAL CONSULTANTS

DATE 5-13-77

PROJECT Northfield Green Elderly Housing, Portland, ME

REPORT OF FIELD DENSITY TESTS

JOB NO. 7602873C

Maine Avenue
 International Airport
 Bangor, Maine 04401
 207-947-6566

TEST NO.	TEST DATE 1977	IN-PLACE DENSITY #/cf	MOISTURE (%)	MAX. DENSITY #/cf	MATERIAL & TEST LOCATION		ELEV.	DEPTH	COMP. (%)
1	4-18	107.9	4.8	117.3	C	Building #3 - Section 'C'	90.2	-5"	92.0
2	4-19	121.6	7.4	126.1	A	" " " "	91.0	-12"	96.4
3	"	125.6	6.8	128.0	A	" " " "	90.2	-12"	98.1
4	"	123.8	6.4	127.4	A	" " " "	90.2	-12"	97.2
5	4-20	124.9	6.9	127.8	A	" " " "	90.2	-12"	97.7
6	"	111.5	6.1	116.7	C	Retest of Test #1	91.0	-5"	95.5
7	"	113.8	4.7	117.2	C	Building #3 - Section 'B'	90.0	-5"	97.1
8	"	115.7	5.1	119.9	C	" " " "	88.0	-8"	92.9
9	"	108.8	15.4	117.1	C	" " " "	88.0	-8"	92.0
10	"	107.4	14.5	116.8	C	" " " "	88.0	-8"	98.9
11	4-21	115.7	10.5	117.0	C	Retest of Test #9	88.0	-8"	95.8
12	"	111.9	9.2	116.8	C	Retest of Test #10			

Test Nos. 2, 3, 4, 5
1, 6, 7, 8, 9, 10, 11, 12

Lab Density Method: ASTM D698 (AASHTO T 99)
 The Maximum Density was computed for each field density by adjusting the laboratory density for the amount of coarse material (coarser than the #4 sieve) contained in the field density specimen. The M.D.O.T. method of adjustment was used in the computations.
 The placement and compaction of this material was monitored by ASTM D1557 (AASHTO T 180)
 Jordan Corrill Associates.

Lab Max Density 121.7#/cf
 Optimum Moisture 12.6%
116.0#/cf
11.3%

Signed Robert G. Rosell
 Karl G. Rosell

P. O. Box 1050, Downtown Station
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JORDAN CORRELL ASSOCIATES
 GEOTECHNICAL CONSULTANTS

Maine Avenue
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 Bangor, Maine 04401
 207-947-6566

DATE: 3-12-77
 PROJECT: Northfield Green Elderly Housing, Portland, ME
 CLIENT: Barkan Development Corporation
 REPORT OF FIELD DENSITY TESTS
 JOB NO.: 7602873C

TEST NO.	TEST DATE	DEN. #/cf	IN-PLACE MOIS. TURE (%)	MAX. DEN. #/cf	MATERIAL	TEST LOCATION	ELEV.	DEPTH	CONF. (%)
13	4-22	108.8	4.6	118.9	C	Building #3 - Section 'C'	91.0	-5"	91.5
14	"	110.4	7.9	118.3	C	Building #3 - Section 'C'	92.2	-5"	93.3
15	"	114.7	3.8	116.8	C	Building #3 - Section 'C'	91.0	-5"	98.1
16	4-25	116.6	7.5	118.2	C	Building #3 - Section 'C'	89.5	-5"	96.9
17	"	114.5	8.2	117.7	C	Building #3 - Section 'C'	91.0	-5"	95.6
18	"	105.1	5.3	117.6	C	Community Building - Inside North Wall	94.0	-5"	95.3
19	"	112.4	6.3	117.3	C	Building #3 - Section 'C'	89.5	-5"	96.6
20	"	108.5	11.1	116.6	C	Building #3 - Section 'C'	92.5	-6"	93.0
21	"	111.1	8.4	119.0	C	Building #3 - Section 'C'	92.5	-6"	95.2
22	4-26	114.9	6.9	116.4	C	Retest of Test #23	92.5	-6"	95.2
23	"	108.3	5.9	116.4	C	Retest of Test #23	92.5	-6"	95.2
24	"	110.9	7.8	116.5	C	Retest of Test #23	92.5	-6"	95.2

Test Nos. 13 through 24 inclusive
 Density Method: ASTM D698 (AASHTO T 99)
 Maximum Density was computed for each field density by adjusting the laboratory density for
 of coarse material (coarser than the #4 sieve) contained in the field density
 by the M.D.O.T. method of adjustment was used in the computations.
 X ASTM D1557 (AASHTO T 180)
 Lab Max Density 116.07/cf
 Optimum Moisture 11.3%
 Density was monitored by
 Placement and compaction of this material was monitored by
 Gorrill Associates.
 Signed: *Robert P. Gorrill*
 Karl G. Rosell

P. O. Box 7050, Downtown Station
 (Lab at 116 Pearl Street)
 Portland, Maine 04112
 207-775-5401

JORDAN GORRILL ASSOCIATES
 GEOTECHNICAL CONSULTANTS

DATE 5-13-77
 PROJECT Northfield Green Elderly Housing, Portland, ME
 CLIENT Barkan Development Corporation

REPORT OF FIELD DENSITY TESTS
 JOB NO. 7602873C

Maine Avenue
 International Airport
 Bangor, Maine 04401
 207-947-6566

TEST NO.	TEST DATE	DENSITY #/cf	IN-PLACE MOISTURE (%)	MAX. DENSITY #/cf	MATERIAL	TEST LOCATION	ELEV.	DEPTH	COMP. (%)
25	4-26	111.4	6.9	116.4	C	Building #3 - Section 'C'	93.5	-5"	95.7
26	"	112.2	9.1	116.5	C	" " " "	90.5	-6"	96.3
27	4-27	111.1	5.9	116.5	C	" " " "	93.5	-4"	95.4
28	"	110.7	6.7	116.5	C	" " " "	93.0	-6"	95.0
29	"	107.9	5.9	116.6	C	" " " "	91.5	-6"	96.6
30	4-28	112.6	7.2	116.6	C	" " " "	94.3	-6"	92.5
31	"	112.5	7.7	116.6	C	" " " "	94.5	-8"	96.4
32	4-29	111.9	7.9	116.7	C	" " " "	92.5	-6"	96.1
33	"	112.0	9.0	116.2	C	" " " "	94.5	-6"	96.2
34	5-2	106.7	4.3	116.3	C	" " " "	95.5	-5"	91.7
35	5-3	112.3	6.1	116.5	C	" " " "	95.5	-7"	95.4
36	"	113.3	6.3	116.7	C	" " " "	95.5	-6"	97.1

Test Nos. 25 through 36 inclusive

Lab Density Method: ASTM D698 (AASHTO T 99)
 Maximum Density was computed for each field density by adjusting the laboratory density for amount of coarse material (coarser than the #4 sieve) contained in the computations.
 The M.D.O.T. method of adjustment was used in the computations.
 The placement and compaction of this material was monitored by Jordan Gorrill Associates. Will be not been recompact. Will be tested at that time.

Signed *Karl G. Rose*
 Karl G. Rose

X-ASTM D1557 (AASHTO T 180)
 Lab Max Density 116.0#/cf
 Optimum Moisture 11.3%