

**City of Portland, Maine – Building or Use Permit Application** 389 Congress Street, 04101, Tel: (207) 874-8703, FAX: 874-8716

Location of Construction: 5 Alice St (Lot #3)		Owner: Wolf, LLOYD		Phone:	Permit No. <b>960817</b>
Owner Address:		<del>Lease</del> Buyer's Name: Everett O'Brien		Phone:	
Contractor Name: D & W Builders, Inc.		Address: 23 Beach Ave Windham, ME 04062		Phone: 892-0021	<div style="border: 2px solid black; padding: 5px; text-align: center;"> <b>PERMIT ISSUED</b>                  AUG 19 1996  <b>CITY OF PORTLAND</b> </div>
Past Use: Vacant Land		Proposed Use: 1-fam		COST OF WORK: \$ 80,000.00 PERMIT FEE: \$ 420.00	
		FIRE DEPT. <input type="checkbox"/> Approved <input type="checkbox"/> Denied		INSPECTION: Use Group: Type: <i>01/16/96</i> Signature:	
Proposed Project Description: Construct 1-fam w/3 car attached garage & deck		PEDESTRIAN ACTIVITIES DISTRICT (P.U.D.) Action: Approved <input type="checkbox"/> Approved with Conditions: <input type="checkbox"/> Denied <input type="checkbox"/>		Signature: _____ Date: _____	Zoning: <b>R-2</b> CBL: 387-A-033 Zoning Approval: <b>Special Zone or Reviews:</b> <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input checked="" type="checkbox"/> Site Plan maj <input type="checkbox"/> minor <input type="checkbox"/> mm <input checked="" type="checkbox"/>
Permit Taken By: Mary Gresik		Date Applied For: 09 August 1996			

1. This permit application doesn't preclude the Applicant(s) from meeting applicable State and Federal rules.
2. Building permits do not include plumbing, septic or electrical work.
3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..

*Call Wayne Nelson  
for P/U 892-0021*

**PERMIT ISSUED  
WITH REQUIREMENTS**

**CERTIFICATION**

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provisions of the code(s) applicable to such permit

*Wayne Nelson*  
 SIGNATURE OF APPLICANT Wayne Nelson ADDRESS: \_\_\_\_\_ DATE: 16 August 1996 - Permit Routed  
09 August 1996 PHONE: \_\_\_\_\_

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE \_\_\_\_\_ PHONE: \_\_\_\_\_  
 White-Permit Desk Green-Assessor's Canary-D.P.W. Pink-Public File Ivory Card-Inspector

**Zoning Appeal**

Variance  
 Miscellaneous  
 Conditional Use  
 Interpretation  
 Approved  
 Denied

**Historic Preservation**

Not in District or Landmark  
 Does Not Require Review  
 Requires Review

Action:  
 Approved  
 Approved with Conditions  
 Denied  
 Date: 8/16/96

*D. Anderson*  
 CEO DISTRICT 7  
*D. Jordan*

960817

Location of Construction: 5 Alice St (Lot #3)		Owner: Wolf, Lloyd		Phone:	
Owner Address:		Leasee/Buyer's Name: Everett O'Brien		Phone:	
Contractor Name: D & W Builders, Inc.		Address: 23 Beach Ave Windham, ME 04062		Phone: 892-0021	
Past Use: Vacant Land		Proposed Use: 1-fam		Business Name:	
		COST OF WORK: \$ 80,000.00		PERMIT FEE: \$ 420.00	
		FIRE DEPT. <input type="checkbox"/> Approved <input type="checkbox"/> Denied		INSPECTION: Use Group: Type:	
Proposed Project Description: Construct 1-fam w/3 car attached garage & dock		Signature:		Signature:	
Permit Taken By: Mary Gresik		Date Applied For: 09 August 1996			

**PERMIT ISSUED**  
Permit Issued:  
AUG 19 1996  
**CITY OF PORTLAND**

Zone: **CBL**  
R2 387-A-033

Zoning Approval:

**Special Zone or Reviews:**

Shoreland  
 Wetland  
 Flood Zone  
 Subdivision  
 Site Plan maj  minor  mm

**Zoning Appeal**

Variance  
 Miscellaneous  
 Conditional Use  
 Interpretation  
 Approved  
 Denied

1. This permit application doesn't preclude the Applicant(s) from meeting applicable State and Federal rules.
2. Building permits do not include plumbing, septic or electrical work.
3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..

PERMIT ISSUED WITH REQUIREMENTS

**CERTIFICATION**

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provisions of the code(s) applicable to such permit

16 August 1996 - Permit Routed  
09 August 1996

SIGNATURE OF APPLICANT Wayne Nelson ADDRESS: DATE: PHONE:

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE PHONE:

**Historic Preservation**

Not in District or Landmark  
 Does Not Require Review  
 Requires Review

Action:

Approved  
 Approved with Conditions  
 Denied

Date: 8/16/96

D. Sullivan

CEO DISTRICT 7

D. Sullivan

COMMENTS

8-20-96 - wall forms in place (8") - flgs in prior / 2 internal studs /  
Set backs appear OK extdnt. drainage tiles in / clear to space  
I Beam in  
? on Garage Sillblock

Inspection Record

Type	Date
Foundation: _____	_____
Framing: _____	_____
Plumbing: _____	_____
Final: _____	_____
Other: _____	_____

Applicant: Wayne Nelson

Date: 8/16/96

Address: 5 Alice Street (6t3)

C-B-L: 387-A-33

CHECK-LIST AGAINST ZONING ORDINANCE

Date - New

Zone Location - R-2

Interior or corner lot -

Proposed Use/Work - New single family home with attached 3 car garage

Sewage Disposal - City

Lot Street Frontage - 50' req -  $\approx$  70' shown

Front Yard - 25' req - 25.25' at closest pt.

Rear Yard - 25' req - 25.67' at closest pt.

Side Yard - 14' req - 40' + & 89' + shown

Projections - Deck on rear, but no structures shown -

Width of Lot - 80' req -  $\approx$  200' shown

Height - 2 story

Lot Area - 10,000<sup>#</sup> req - 21,062<sup>#</sup> shown

Lot Coverage/ Impervious Surface - 20% of lot max

Area per Family - 10,000<sup>#</sup>

Off-street Parking - 2 CAR GARAGE IS SHOWN

Loading Bays - N/A

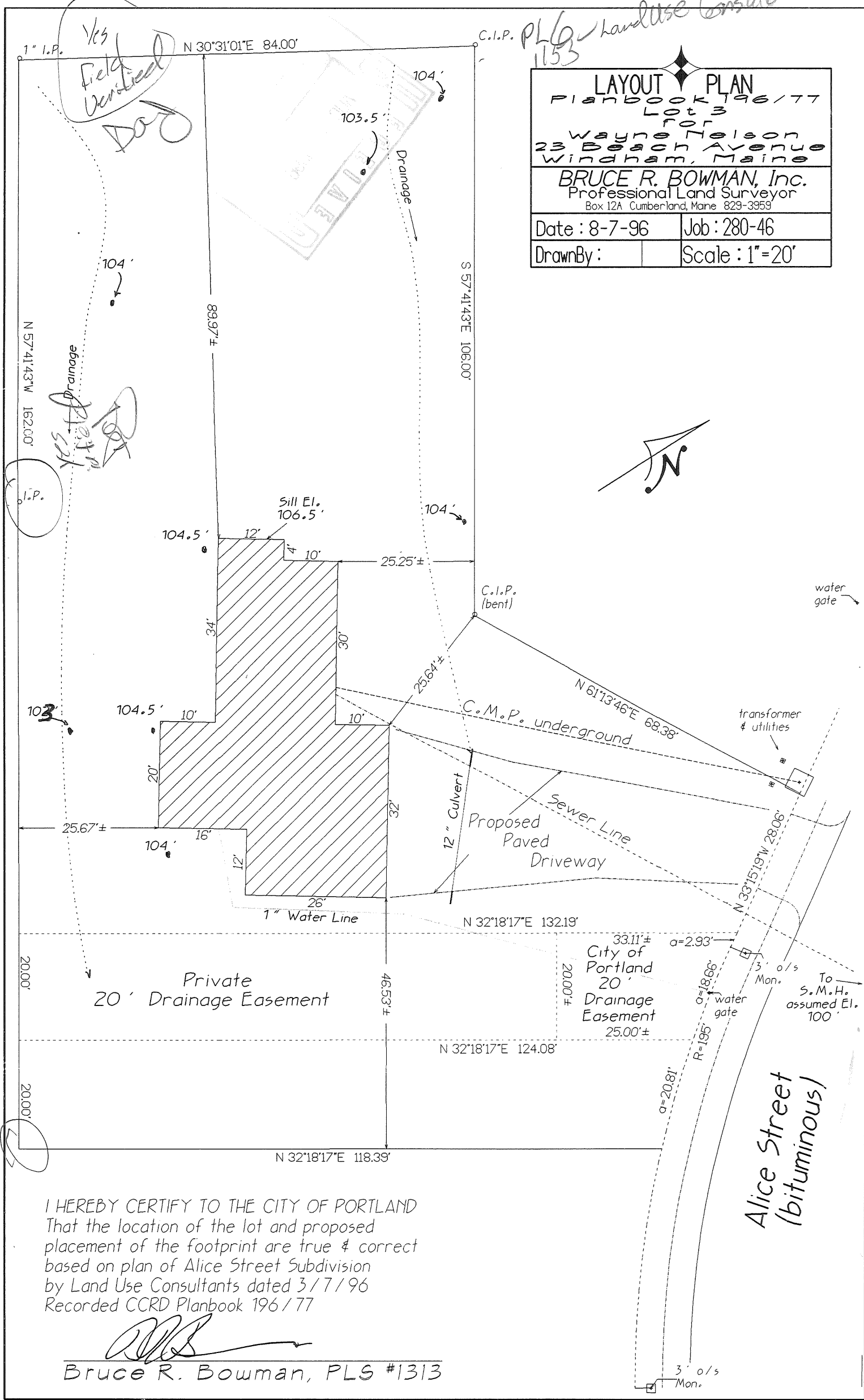
Site Plan - Minor/Minor

Shoreland Zoning/ Stream Protection - N/A

Flood Plains - N/A

C.I.P. PLS #1153 hand use Consultants

<b>LAYOUT PLAN</b>	
Planbook 196/77	
Lot 3	
for	
Wayne Nelson	
23 Beach Avenue	
Windham, Maine	
<b>BRUCE R. BOWMAN, Inc.</b>	
Professional Land Surveyor	
Box 12A Cumberland, Maine 829-3959	
Date : 8-7-96	Job : 280-46
Drawn By :	Scale : 1" = 20'



I HEREBY CERTIFY TO THE CITY OF PORTLAND  
 That the location of the lot and proposed  
 placement of the footprint are true & correct  
 based on plan of Alice Street Subdivision  
 by Land Use Consultants dated 3/7/96  
 Recorded CCRD Planbook 196/77

*[Signature]*  
 Bruce R. Bowman, PLS #1313

Alice Street  
 (bituminous)

Inspection Services  
P. Samuel Hoffses  
Chief



Planning and Urban Development  
Joseph E. Gray Jr.  
Director

## CITY OF PORTLAND

August 19, 1996

D & W Builders, Inc.  
23 Beach Avenue  
Windham, Maine 04062

RE: 5 Alice Street

Dear Mr. Nelson,

Your application to construct a single family dwelling with attached garage has been reviewed and a permit is herewith issued subject to the requirements listed below. This permit does not excuse the applicant from meeting applicable State and Federal laws.

*No Certificate of Occupancy will be issued until all requirements of this letter are met.*

### Site Plan and Building Code Requirements

1. All of the conditions on the attached site plan review addendum shall be met.
2. All of the conditions on the attached building permit report shall be met.
3. The deck on the rear is sketched in briefly on one plan but not on the plot plan nor are there any structurals provided. The deck shall meet the 25 foot setback in the rear and you shall provide this office with structural plans **prior** to its construction.

If you have any questions regarding these requirements, please do not hesitate to contact this office.

Sincerely,

Marge Schmuckal  
Asst. Chief, Inspection Services Division

cc: P. Samuel Hoffses, C, Insp Svcs

BUILDING PERMIT REPORT

DATE: 8/16/96 ADDRESS: 5 Alice Street (lot #3)

REASON FOR PERMIT: construct 1-family with attached garage

BUILDING OWNER: Lloyd Wolf

CONTRACTOR: D & W Builders Inc APPROVED: with conditions

PERMIT APPLICANT: Wagne Nelson DENIED: \_\_\_\_\_

CONDITION OF APPROVAL OR DENIAL


# 1, 3, 7, 9, 10, 11, 13, 14, 15, 16

1. Before concrete for foundation is placed, approvals from Public Works and Inspection Services must be obtained. (A 24 hour notice is required prior to inspection)
2. Precaution must be taken to protect concrete from freezing.
3. It is strongly recommended that a registered land surveyor check all foundation forms before concrete is placed. This is done to verify that the proper setbacks are maintained.
4. All vertical openings shall be enclosed with construction having a fire rating of at least one(1) hour, including fire doors with selfclosers.
5. Each apartment shall have access to two(2) separate, remote and approved means of egress. A single exit is acceptable when it exits directly from the apartment to the building exterior with no communications to other apartment units.
6. The boiler shall be protected by enclosing with one(1) hour fire-rated construction including fire doors and ceiling, or by providing automatic extinguishment. Sprinkler piping serving not more than six sprinklers may be connected to a domestic water supply having a capacity sufficient to provide 0.15 gallons per minute, per square foot of floor throughout the entire area. An INDICATING shut-off valve shall be installed in an accessible location between the sprinkler and the connection to the domestic water supply. Minimum pipe size shall be 3/4 inch copper or 1 inch steel. Maximum coverage area of a residential sprinkler is 144 sq. feet per sprinkler.
7. Every sleeping room below the fourth story in buildings of Use Groups R and I-1 shall have at least one operable window or exterior door approved for emergency egress or rescue. The units must be operable from the inside without the use of special knowledge or separate tools. Where windows are provided as means of egress or rescue, they shall have a sill height not more than 44 inches (1118mm) above the floor. All egress or rescue windows from sleeping rooms shall have a minimum net clear opening height dimension of 24 inches (610mm). The minimum net clear opening width dimension shall be 20 inches (508 mm), and a minimum net clear opening of 5.7 sq. feet.
8. A portable fire extinguisher shall be located as per NFPA #10. They shall bear the label of an approved agency and be of an approved type.
9. All single and multiple station smoke detectors shall be of an approved type and shall be installed in accordance with the provisions of the City's building code Chapter 9, section 19, 919.3.2(BOCA National Building Code/1993), and NFPA 101 Chapter 18 & 19. (Smoke detectors shall be installed and maintained at the following locations):

1. In the immediate vicinity of bedrooms
2. In all bedrooms
3. In each story within a dwelling unit, including basements

In addition to the required AC primary power source, required smoke detectors in occupancies in Use Groups R-2, R-3 and I-1 shall receive power from a battery when the AC primary power source is interrupted.

10. Private garages located beneath habitable rooms in occupancies in Use Group R-1, R-2, R-3 or I-1 shall be separated from adjacent interior spaces by fire partitions and floor/ceiling assembly which are constructed with not less than 1-hour fire resisting rating. Private garages attached side-by-side to rooms in the above occupancies shall be completely separated from the interior spaces and the attic area by means of 1/2 inch gypsum board or the equivalent applied to the garage side. (Chapter 4 section 407.0 of the BOCA/1993)
11. Guardrail & Handrails-A guardrail system is a system of building components located near the open sides of elevated walking surfaces for the purpose of minimizing the possibility of an accidental fall from the walking surface to the lower level. Minimum height all Use Groups 42", except Use Group R which is 36". In occupancies in Use Group A, B, H-4, I-1, I-2 M and R and public garages and open parking structures, open guards shall have balusters or be of solid material such that a sphere with a diameter of 4" cannot pass through any opening. Guards shall not have an ornamental pattern that would provide a ladder effect.
12. All exit signs, lights, and means of egress lighting shall be done in accordance with Chapter 10, section & subsections 1023. & 1024. of the City's building code. (The BOCA National Building Code/1993)
13. Stair construction in Use Group R-3 & R-4 is a minimum of 9" tread and 8-1/4" maximum rise. All other Use Group minimum 11" tread, 7" maximum rise.
14. Headroom in habitable space is a minimum of 7'6".
15. The minimum headroom in all parts of a stairway shall not be less than 80 inches.
16. All construction and demolition debris must be disposed at the City's authorized reclamation site. The fee rate is attached. Proof of such disposal must be furnished to the office of Inspection Services before final Certificate of Occupancy is issued or demolition permit is granted.
17. Section 25-135 of the Municipal Code for the City of Portland states, "No person or utility shall be granted a permit to excavate or open any street or sidewalk from the time of November 15 of each year to April 15 of the following year".
18. The builder of a facility to which Section 4594-C of the Maine State Human Rights Act, Title 5 MRSA refers, shall obtain a certification from a design professional that the plans of the facility meet the standards of construction required by this section. Prior to commencing construction of the facility, the builder shall submit the certification to the Division of Inspection Services.
19. This permit does not excuse the applicant from obtaining any license which may be needed from the City Clerk's Office.

  
P. Samuel Hoffses, Chief of Inspection Services



CITY OF PORTLAND, MAINE  
 ↳ SITE PLAN REVIEW (ADDENDUM) ←  
 CONDITIONS OF APPROVAL

APPLICANT: Everett O'Brien  
 ADDRESS: D+W. Builders, Inc.  
 SITE ADDRESS/LOCATION: 5 Alice Street  
 DATE: 8/14/96

Review by the Development Review Coordinator is for General Conformance with ordinances and standards only and does not relieve the applicant, his contractors or agents from the responsibility to provide a completely finished site, including but not limited to: increasing or concentrating of all surface runoff onto adjacent or downstream properties, issues regarding vehicle sight distance, location of public utilities and foundation elevations.

CONDITIONS CHECKED OFF BELOW WILL BE ENFORCED FOR YOUR SITE PLAN

1. X All damage to sidewalk, curb, street, or public utilities shall be repaired to City of Portland standards prior to issuance of a Certificate of Occupancy.
2. N/A Two (2) City of Portland approved species and size trees must be planted on your street frontage prior to issuance of a Certificate of Occupancy.
3. X Your new street address is now 5 Alice Street, the number must be displayed on the street frontage of your house prior to issuance of Certificate of Occupancy.
4. K The Development Review Coordinator (874-8300 ext. 8722) must be notified five (5) working days prior to date required for final site inspection. Please make allowances for completion of site plan requirements determined to be incomplete or defective during the inspection. This is essential as all site plan requirements must be completed and approved by the Development Review Coordinator prior to issuance of a Certificate of Occupancy. Please schedule any property closing with these requirements in mind.
5. K Show all utility connections: water, sanitary sewer, storm drain, electric, telephone, cable.
6. K A sewer permit is required for your project. Please contact Carol Poliskey at 874-8300, ext. 8828. The Wastewater and Drainage section of Public Works must be notified five (5) working days prior to sewer connection to schedule an inspector for your site.

- 7. X A street opening permit(s) is required for your site. Please contact Carol Poliskey at 874-8300 , ext. 8828. (Only excavators licensed by the City of Portland are eligible.)
- 8. X As-built record information for sewer and stormwater service connections must be submitted to Parks and Public Works Engineering Section (55 Portland Street) and approved prior to issuance of a Certificate of Occupancy.
- 9. X The building contractor shall check the subdivision recording plat for pre-determined first floor elevation and establish the first floor elevation (FFE) and sill elevation (SE) to be set above the finish street/curb elevation to allow for positive drainage away from entire footprint of building.
- 10. X The site contractor shall establish finish grades at the building foundation, bulkhead and basement windows to be in conformance with the first floor elevation (FFE) and sill elevation (SE) set by the building contractor to provide for positive drainage away from entire footprint of building.
- 11. X A drainage plan shall be submitted to and approved by Development Review Coordinator showing first floor elevation (FEE), sill elevation (SE), finish street/curb elevation, lot grading, existing and proposed contours, drainage patterns and paths, drainage swales, grades at or near abutting property lines, erosion control devices and locations and outlets for the drainage from the property.
- 12. X The Development Review Coordinator reserves the right to require additional lot grading or other drainage improvements as necessary due to field conditions.
- 13. X Erosion control measures including silt fence should be placed on the down gradient areas of all disturbed ground.

cc: Katherine Staples, P.E., City Engineer



**CITY OF PORTLAND, MAINE  
DEVELOPMENT REVIEW APPLICATION  
PLANNING DEPARTMENT PROCESSING FORM**

I. D. Number \_\_\_\_\_

Everett O'Brien  
Applicant  
\_\_\_\_\_  
Applicant's Mailing Address  
D & W Builders, Inc.  
\_\_\_\_\_  
Consultant/Agent  
Wayne Nelson - 892-0021  
\_\_\_\_\_  
Applicant or Agent Daytime Telephone, Fax

09 August 1996  
Application Date  
Alice St Subdivision  
Project Name/Description  
5 Alice St (5)?  
Address of Proposed Site  
387-A-033  
Assessor's Reference: Chart-Block-Lot

Proposed Development (check all that apply):  New Building  Building Addition  Change of Use  Residential  
 Office  Retail  Manufacturing  Warehouse/Distribution  Other (specify) \_\_\_\_\_  
2,080 GFC 2,912 Total 21,062 Sq Ft R-2  
Proposed Building Square Feet or # of Units Acreage of Site Zoning

**Check Review Required:**

- |  |  |   |  |
|--|--|---|--|
| <input type="checkbox"/> Site Plan (major/minor)         | <input type="checkbox"/> Subdivision # of lots _____ | <input type="checkbox"/> PAD Review                     | <input type="checkbox"/> 14-403 Streets Review   |
| <input type="checkbox"/> Flood Hazard                    | <input type="checkbox"/> Shoreland                   | <input type="checkbox"/> Historic Preservation          | <input type="checkbox"/> DEP Local Certification |
| <input type="checkbox"/> Zoning Conditional Use (ZBA/PB) | <input type="checkbox"/> Zoning Variance             | <input checked="" type="checkbox"/> Single-Family Minor | <input type="checkbox"/> Other _____             |

Fees paid: site plan 50.00 subdivision \_\_\_\_\_

**Approval Status:**

Reviewer Marge Schmidt

- Approved  Approved w/Conditions listed below  Denied

- The deck on the rear is sketched in briefly on one plan but not on the plot plan, nor are there any structural plans provided. The deck shall meet the 25' setback in the rear and provide this office with the structural plans prior to its construction.

Approval Date 8/16/96 Approval Expiration \_\_\_\_\_ date Extension to \_\_\_\_\_ date  Additional Sheets Attached

Condition Compliance \_\_\_\_\_ signature \_\_\_\_\_ date \_\_\_\_\_

Performance Guarantee  Required\*  Not Required

\* No building permit may be issued until a performance guarantee has been submitted as indicated below

- |   |                            |                               |                             |
|---|----------------------------|-------------------------------|-----------------------------|
| <input type="checkbox"/> Performance Guarantee Accepted | _____ date _____           | _____ amount _____            | _____ expiration date _____ |
| <input type="checkbox"/> Inspection Fee Paid            | _____ date _____           | _____ amount _____            |                             |
| Performance Guarantee Reduced                           | _____ date _____           | _____ remaining balance _____ | _____ signature _____       |
| Performance Guarantee Released                          | _____ date _____           | _____ signature _____         |                             |
| Defect Guarantee Submitted                              | _____ submitted date _____ | _____ amount _____            | _____ expiration date _____ |
| Defect Guarantee Released                               | _____ date _____           | _____ signature _____         |                             |

Address: Alice St (5)? Lot #3



**CITY OF PORTLAND, MAINE  
DEVELOPMENT REVIEW APPLICATION  
PLANNING DEPARTMENT PROCESSING FORM**

I. D. Number \_\_\_\_\_

Everett O'Brien  
Applicant

09 August 1996  
Application Date

Applicant's Mailing Address  
D & W Builders, Inc.

Alice St Subdivision  
Project Name/Description

Consultant/Agent  
Wayne Nelson - 892-0021

Alice St (5)?  
Address of Proposed Site

Applicant or Agent Daytime Telephone, Fax

387-A-033  
Assessor's Reference: Chart-Block-Lot

Proposed Development (check all that apply):  New Building  Building Addition  Change of Use  Residential  
 Office  Retail  Manufacturing  Warehouse/Distribution  Other (specify) \_\_\_\_\_

2,080 GFC 2,912 Total 21,062 Sq Ft  
Proposed Building Square Feet or # of Units Acreage of Site Zoning

**Check Review Required:**

- |  |  |   |  |
|--|--|---|--|
| <input type="checkbox"/> Site Plan (major/minor)         | <input type="checkbox"/> Subdivision # of lots _____ | <input type="checkbox"/> PAD Review                     | <input type="checkbox"/> 14-403 Streets Review   |
| <input type="checkbox"/> Flood Hazard.                   | <input type="checkbox"/> Shoreland                   | <input type="checkbox"/> Historic Preservation          | <input type="checkbox"/> DEP Local Certification |
| <input type="checkbox"/> Zoning Conditional Use (ZBA/PB) | <input type="checkbox"/> Zoning Variance             | <input checked="" type="checkbox"/> Single-Family Minor | <input type="checkbox"/> Other _____             |

Fees paid: site plan 50.00 subdivision \_\_\_\_\_

**Approval Status:**

Reviewer Jim Wandal

- Approved  Approved w/Conditions listed below  Denied

1. See conditions of approval
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

Approval Date 8/14/96 Approval Expiration \_\_\_\_\_ date Extension to \_\_\_\_\_ date  Additional Sheets Attached

Condition Compliance \_\_\_\_\_ signature \_\_\_\_\_ date \_\_\_\_\_

Performance Guarantee  Required\*  Not Required

\* No building permit may be issued until a performance guarantee has been submitted as indicated below

<input type="checkbox"/> Performance Guarantee Accepted	_____ date	_____ amount	_____ expiration date
<input type="checkbox"/> Inspection Fee Paid	_____ date	_____ amount	
Performance Guarantee Reduced	_____ date	_____ remaining balance	_____ signature
Performance Guarantee Released	_____ date	_____ signature	
Defect Guarantee Submitted	_____ submitted date	_____ amount	_____ expiration date
Defect Guarantee Released	_____ date	_____ signature	

Address: Alice St (5)? Lot #3

*SHELLEY ENGINEERING*  
*STRUCTURAL CONSULTANTS*



844 Stevens Avenue  
Portland, Maine 04103  
207-878-9983 ph.  
207-797-9483 fax

September 20, 1996

96-163

D & W Builders  
23 Beach Ave.  
Windham, ME

Attention: Mr. Wayne Nelson

Subject: Garage floor beam design for a residence to be  
located in Portland, Maine.

Dear Mr. Nelson:

Per your request, I have designed a garage floor beam for the  
above referenced project. This beam has a 32 foot span, and  
supports second floor loads, as well as roof loads.

The options for this beam arrangement are as follows:

- \* W16x67
- \* W18x60
- \* W21x50 (all at ASTM A-36 steel).
- \* (2) W14x34s side by side.

The beam options above were selected using the recommended  
snow and floor loads set forth by the 1993 edition of the  
BOCA Code. The beam must have its top flange braced by a top  
plate fastened to the beam and toe-nailed to the floor  
joists, as well as having adequate supports at each end.

Please let me know if you have any questions.

Sincerely:

*Timothy G. Shelley*  
Timothy G. Shelley, P.E.