

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK CITY OF PORTLAND

BUILDING INSPECTION

PERMIT

Permit Number: 060942

Please Read Application And Notes, If Any, Attached

PERMIT ISSUED
AUG - 2 2006
CITY OF PORTLAND

This is to certify that CITY OF PORTLAND /KJ Wireless
has permission to Replace existing roof tower, antenna & inter-equipme
AT 1 LUDLOW ST 175 B001001

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of this State and of the Ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in this department.

Apply to Public Works for street line and grade if nature of work requires such information.

Notification of inspection must be given and when permission procured before this building or part thereof is altered or closed-in. 24 HOUR NOTICE IS REQUIRED.

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

OTHER REQUIRED APPROVALS

Fire Dept. _____
Health Dept. _____
Appeal Board _____
Other _____
Department Name

[Signature]
Director - Building & Inspection Services

PENALTY FOR REMOVING THIS CARD

City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 06-0942	Issue Date: PERMIT ISSUED AUG - 2 2006	CBL: 175 BQ01001
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Location of Construction: 1 LUDLOW ST	Dwner Name: CITY OF PORTLAND	Owner Address: 389 CONGRESS ST	Phone:
Business Name:	Contractor Name: KJK Wireless	Contractor Address: 8 Providence Ave, Falmouth	Phone: 2078998544
Lessee/Buyer's Name	Phone:	Permit Type: Radio/Telecommunications Tower	Zone: R-5

Past Use: Commercial/ Deering High School	Proposed Use: Commercial/ Deering High School/ Replace existing roof tower, add antennas & interior equipment	Permit Fee: \$237.00	Cost of Work: \$24,000.00	CEO District: 5
Proposed Project Description: Replace existing roof tower, add antennas & interior equipment		FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied N/A	INSPECTION: Use Group: U Type: NA TOWER 8/2/06 Signature: [Signature]	
		Signature: [Signature]	Signature: [Signature]	
		PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)		
		Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied		
		Signature: _____ Date: _____		

Permit Taken By: Idobson	Date Applied For: 06/26/2006	Zoning Approval		
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<p>2. Building permits do not include plumbing, septic or electrical work.</p> <p>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..</p>	<p>Special Zone or Reviews</p> <p><input type="checkbox"/> Shoreland</p> <p><input type="checkbox"/> Wetland <i>OK under</i></p> <p><input type="checkbox"/> Flood Zone <i>14-436</i></p> <p><input type="checkbox"/> Subdivision</p> <p><input type="checkbox"/> Site Plan</p> <p>Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/></p> <p><i>ok</i> Date: <i>9/3/06</i></p>	<p>Zoning Appeal</p> <p><input type="checkbox"/> Variance</p> <p><input type="checkbox"/> Miscellaneous</p> <p><input type="checkbox"/> Conditional Use</p> <p><input type="checkbox"/> Interpretation</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Denied</p> <p>Date: _____</p>	<p>Historic Preservation</p> <p><input checked="" type="checkbox"/> Not in District or Landmark</p> <p><input type="checkbox"/> Does Not Require Review</p> <p><input type="checkbox"/> Requires Review</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Approved w/Conditions</p> <p><input type="checkbox"/> Denied</p> <p>Date: <i>[Signature]</i></p>
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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 is 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 provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE		DATE	PHONE

City of Portland, Maine - Building or Use Permit

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 06-0942	Date Applied For: 06/26/2006	CBL: 175 B001001
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Location of Construction: 1 LUDLOW ST	Owner Name: CITY OF PORTLAND	Owner Address: 389 CONGRESS ST	Phone:
Business Name:	Contractor Name: KJK Wireless	Contractor Address: 8 Providence Ave Falmouth	Phone: (207) 899-8544
Lessee/Buyer's Name	Phone:	Permit Type: Radio/Telecommunications Tower	

Commercial/ Deering High School/ Replace existing roof tower, add antennas & interior equipment	Replace existing roof tower, add antennas & interior equipment
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Dept: Zoning **Status:** Approved **Reviewer:** Marge Schmuckal **Approval Date:** 07/03/2006
Note: ok under 14-430 **Ok to Issue:**

Dept: Building **Status:** Approved with Conditions **Reviewer:** Mike Nugent **Approval Date:** 08/02/2006
Note: **Ok to Issue:**

1) This tower must be inspected by the project engineer and a compliance report must be provided to this office prior to closure of the permit.

Must comply with Section 3108 of the 2003 IBC:

SECTION 3108

RADIO AND TELEVISION TOWERS

3108.1 General.

Subject to the provisions of Chapter 16 and the requirements of Chapter 15 governing the fire-resistance ratings of buildings for the support of roof structures, radio and television towers shall be designed and constructed as herein provided.

3108.2 Location and access.

Towers shall be located and equipped with step bolts and ladders so as to provide ready access for inspection purposes. Guy wires or other accessories shall not cross or encroach upon any street or other public space, or over above-ground electric utility lines, or encroach upon any privately owned property without written consent of the owner of the encroached-upon property, space or above-ground electric utility lines.

3108.3 Construction.

Towers shall be constructed of approved corrosion-resistant noncombustible material. The minimum type of construction of isolated radio towers not more than 100 feet (30 480 mm) in height shall be Type IIB.

3108.4 Loads.

Towers shall be designed to resist wind loads in accordance with TIA/EIA-222. Consideration shall be given to conditions involving wind load on ice-covered sections in localities subject to sustained freezing temperatures.

3108.4.1 Dead load.

Towers shall be designed for the dead load plus the ice load in regions where ice formation occurs.

3108.4.2 Wind load.

Adequate foundations and anchorage shall be provided to resist two times the calculated wind load.

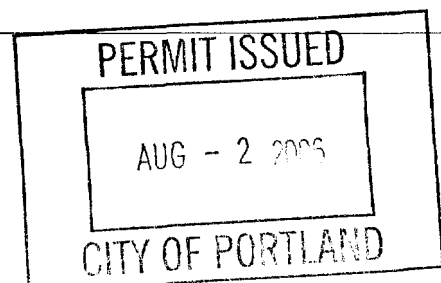
3108.5 Grounding.

Towers shall be permanently and effectively grounded.

2) Mike & Marge,

Since the work is replacing what is there already, it may not even require an exemption. Regardless, we have no objections to issuance of a building permit for the work.

-Sarah



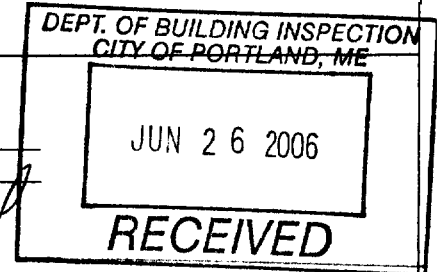


General Building Permit Application

PDF

If you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

Location/Address of Construction: DEERING HIGH SCHOOL STEVENS AVE.		
Total Square Footage of Proposed Structure N/A	Square Footage of Lot UNCHANGED	
Tax Assessor's Chart, Block & Lot Chart# Block# Lot# 175 B 1	Owner: CITY OF PORTLAND PORTLAND PUBLIC SCHOOLS C/O DOUG SHERWOOD	Telephone: 842-5342
Lessee/Buyer's Name (If Applicable) SEE APPLICANT	Applicant name, address & telephone: HAINERSA#1, Inc. (US Cellular) C/O KJK WIRELESS 8 PROVIDENCE AVE. FALMOUTH, ME 04105	Cost Of Work: \$ 24,000.00 Fee: \$ _____ C of O Fee: \$ _____
Current Specific use: TELECOMMUNICATIONS (EXISTING TOWER) Proposed Specific use: SAME		
Project description: REPLACE EXISTING ROOFTOP TOWER, ADD ANTENNAS, INTERIOR EQUIPMENT, AND ASSOCIATED EQUIPMENT AS DESCRIBED IN COVER LETTER AND SITE PLAN.		
Contractor's name, address & telephone:		
Who should we contact when the permit is ready: BOB GASHLIN		
Mailing address: KJK WIRELESS 8 PROVIDENCE AVE. FALMOUTH, ME 04105	Phone: 899-8544	



Please submit all of the information outlined in the Commercial Application Checklist. Failure to do so will result in the automatic denial of your permit.

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information visit us on-line at www.portlandmaine.gov; stop by the Building Inspections office, room 315 City Hall or call 834-8703.

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

Signature of applicant: **Robert Ashli FOR US CELLULAR** Date: **6-26-06**

#&E ATTACHED PROPERTY OWNER L e e OF AUTHORIZATION.

This is not a permit; you may not commence ANY work until the permit is issued.

OEST Associates, Inc.

413.46.01 • 100 E. Main St. Portland, ME 04101 • TEL: (207) 761-1100 FAX:
E-mail: info@oest.com • Web Site: www.oest.com

413 46 01

May 31, 2006

Robert Gashlin
KJK Wireless
8 Providence Ave.
Falmouth, Maine 04105

SUBJECT: Rosemont (Deering High School)
U.S. Cellular Site #853418

Dear Robert:

In response to your request, OEST Associates has prepared construction documents to install cellular equipment on the roof and within the third floor of Deering High School. The existing structure is a 3-story building, and construction consists of reinforced concrete floors and bearing walls. The gabled portions of the roof are wood framed. It is our understanding that the proposed equipment consists of three EMS RR65 antennas on a new guyed tower, which will replace an existing tower. Three Nortel Networks cabinets will be installed in an existing mechanical room on the third floor. The DEL, RE, and SBE cabinets weigh 1,350 pounds, 1,600 pounds, and 2,680 pound respectively.

The school department provided structural and architectural drawings of the building. Based on these drawings and field measurements of the existing conditions, we conducted a structural analysis of the existing building and designed the required supports for the proposed equipment. Provided that the details given in the design drawings prepared by OEST are followed, the proposed equipment will not affect the structural integrity of the existing building, and are acceptable per the IBC 2003 building code. In addition the antennas, their mounts, and the tower are capable of resisting the wind loads per IBC 2003 and TIA/EIA-222-F standards

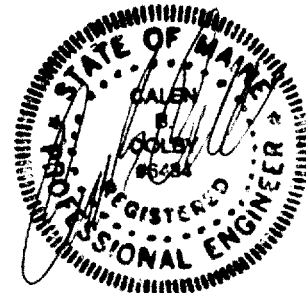
If you have any questions or comments, please don't hesitate to call us

Sincerely,
OEST Associates, Inc.



Calen B. Colby, P.E.

CBC:lap
cc: Jeffrey Walker, OEST Associates, Inc.
S:\413 Kenneth J. Kozdra\413 46 01 Gash\053106 cbc.doc



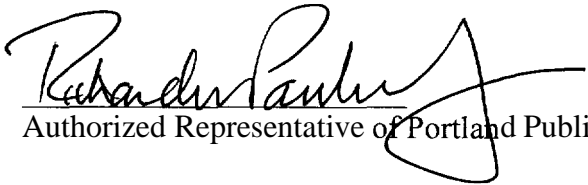
Portland Public Schools.
Stevens Avenue
Portland, ME 04101

To: City of Portland, ME

RE: Maine RSA #1, Inc. (a.k.a. US Cellular) Building Permit Application to Install
Wireless Equipment at Deering High School

US Cellular has leased space at Deering High School to install wireless telecommunications equipment that will include antennas, cables, utilities, associated equipment, and replace an existing tower. As authorized representative of this property, I hereby authorize US Cellular and its agents to file zoning and permitting applications and to conduct associated business such as attend hearings as it relates to the abovementioned installation and lease.

Sincerely,

A handwritten signature in black ink, appearing to read "Richard Paul", written over a horizontal line.

Authorized Representative of Portland Public Schools

6-12-06

Date

KJK WIRELESS

Site Acquisition, Leasing and Zoning

Phone: 207-899-8544

8 Providence Avenue
Falmouth, ME 04105

June 26, 2006

City of Portland
389 Congress St.
Portland, ME 03908

RE: Maine RSA #1, Inc. Application for Building Permit/ Deering High School
(Map 175/ B / 1)

Dear Sir or Madam:

KJK Wireless represents the permitting interests of Maine RSA #1, Inc. (a.k.a. US Cellular) in Portland, ME.

US Cellular has entered into an agreement with the City of Portland to lease 212 square feet in a 4th floor equipment room to install electronics and to replace an existing rooftop tower with a tower of similar size and design at Deering High School and I hereby submit a Building Permit Application, attachments and fee to install this equipment.

Three (3) equipment cabinets will be placed on a steel metal grate platform and installed in a 4th floor equipment room. Existing unused equipment and ductwork will be removed from this room before the installation will take place.

The existing tower will be removed and replaced by a similar tower that will more structurally sound. Existing public safety equipment will be transferred from the old tower to the new tower and US Cellular will also install three (3) panel antennas and cables to the tower. The new tower will be able to accommodate additional public safety equipment if the City of Portland desires. Ownership of the tower will vest with the City of Portland after installation.

Cables will connect US Cellular's antennas to the equipment cabinets. Also, US Cellular plans to sub meter off existing electric and telephone service at the building.

Deborah Andrew has had the opportunity to review and approve the aesthetic impact of this installation.

The installation will take approximately 6 weeks to complete and is scheduled for this summer. A crane will be required for this work. The cost will be approximately \$24,000.00.

Applicant hereby requests the City of Portland to waive any additional requirements such as a site plan review because the installation will not require more than 500 square feet.

Please direct all questions and correspondence to my attention.

Sincerely,



**Bob Gashlin
Agent for US Cellular**

**CC: Ken Kozyra
Douglas Sherwood**

**Enc: Application for Building Permit
Site plan (2 hard copies / 1 CD disk)
Letter of authorization from property owner
Structural evaluation of the building and installation.
Photo simulations
Application fee (\$237.00)**



COLUMBIA ROAD

OEST Associates, Inc.

343 Gorham Road • South Portland, ME 04108

DEERING HIGH SCHOOL
STEVENS AVENUE

DATE: NOVEMBER 7, 2005

PROJ.#413.46.01



STEVENS AVENUE

OEST Associates, Inc.

343 Gorham Road • South Portland, ME 04106

DEERING HIGH SCHOOL
STEVENS AVENUE

DATE: NOVEMBER 7, 2005

PROJ.#413.46.01



STEVENS AVENUE

OEST Associates. Inc.

343 Gorham Road · South Portland, ME 04108

DEERING HIGH SCHOOL
STEVENS AVENUE

DATE: NOVEMBER 7, 2005

PROJ.#413.46.01



CORNER OF LUDLOW STREET
AND STEVENS AVENUE

OEST Associates, Inc.

343 Gorham Road • South Portland, ME 04106

DEERING HIGH SCHOOL
STEVENS AVENUE

DATE: NOVEMBER 7, 2005

PROJ.#413.46.01



LUDLOW STREET

OEST Associates, Inc.

343 Gorham Road • South Portland, ME 04108

DEERING HIGH SCHOOL
STEVENS AVENUE

DATE: NOVEMBER 7, 2005

PROJ.#413.46.01



DEERING HIGH SCHOOL
ROOFTOP

OEST Associates, Inc.

343 Gorham Road • South Portland, ME 04106

DEERING HIGH SCHOOL
STEVENS AVENUE

DATE: NOVEMBER 7, 2005

PROJ.#413.46.01