

**City of Portland, Maine - Building or Use Permit Application**

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

|                       |                        |                     |
|-----------------------|------------------------|---------------------|
| <b>PERMIT ISSUED</b>  |                        |                     |
| Permit No:<br>01-0388 | Issue Date:<br>MAY - 1 | CBL:<br>199 A001001 |

|  |   |  |                            |
|--|---|--|----------------------------|
| Location of Construction:<br>947 Westbrook St    | Owner Name:<br>North East Air                 | Owner Address:<br>987 Westbrook St         | Phone:<br>CITY OF PORTLAND |
| Business Name:<br>Portland International Jetport | Contractor Name:<br>Lake Region Environmental | Contractor Address:<br>PO Box 1236 Belmont | Phone:                     |
| Lessee/Buyer's Name:<br>n/a                      | Phone:<br>n/a                                 | Permit Type:<br>Alterations - Commercial   | Zone:<br>AB                |

|                      |   |   |   |                    |
|----------------------|---|---|---|--------------------|
| Past Use:<br>Jetport | Proposed Use:<br>Jetport / Containment pad & drive to accommodate ground vehicle fueling of diesel fuel & autogas.<br>**Call Stephen Walker @ 774-6318. | Permit Fee:<br>\$234.00   | Cost of Work:<br>\$35,000.00  | CEO District:<br>3 |
|                      |   | FIRE DEPT:<br><input checked="" type="checkbox"/> Approved<br><input type="checkbox"/> Denied | INSPECTION:<br>Use Group: 4 Type:<br><b>PERMIT ISSUED</b><br><i>WITH REQUIREMENTS</i> |                    |

Proposed Project Description:  
Construct 3' x 14' pump island & 12' x 24' containment pad.

Signature: *[Signature]* Signature: *[Signature]*

PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)

Action:  Approved  Approved w/Conditions  Denied

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

|                        |                                 |                        |  |
|------------------------|---------------------------------|------------------------|--|
| Permit Taken By:<br>gg | Date Applied For:<br>04/19/2001 | <b>Zoning Approval</b> |  |
|------------------------|---------------------------------|------------------------|--|

|   |   |   |   |
|---|---|---|---|
| <p>1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</p> <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</p> <p><input type="checkbox"/> Flood Zone</p> <p><input type="checkbox"/> Subdivision</p> <p><input type="checkbox"/> Site Plan</p> <p>Maj <input checked="" type="checkbox"/> Minor <input type="checkbox"/> MME</p> <p>Date: <i>[Signature]</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> |
|---|---|---|---|

**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 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 |

THIS IS NOT A PERMIT/CONSTRUCTION CANNOT COMMENCE UNTIL THE PERMIT IS ISSUED

## All Purpose Building Permit Application

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: <u>PORTLAND INTERNATIONAL AIRPORT</u>   |   |   |
| Total Square Footage of Proposed Structure<br><u>500</u>  | Square Footage of Lot   |   |
| Tax Assessor's Chart, Block & Lot Number<br>Chart# <u>199</u> Block# <u>A</u> Lot# <u>1 ETC</u>   | Owner: <u>NORTHEAST AIRMOTIVE</u><br><u>987 WESTBROOK ST.</u><br><u>PORTLAND, ME. 04102</u> | Telephone#: <u>774-6318</u>                       |
| Lessee/Buyer's Name (If Applicable)   | Owner's/Purchaser/Lessee Address:   | Cost Of Work: <u>\$ 35,000</u> Fee: <u>\$ 234</u> |
| Current use: <u>LAWN BOUNDARY BETWEEN CURRENT ABOVE GROUND FUEL FARM AND VEHICLE ACCESS ROAD.</u><br>If the location is currently vacant, what was prior use:<br>Approximately how long has it been vacant: |   |   |
| Proposed use: <u>CONTAINMENT PAD + DRIVE TO ACCOMODATE GROUND VEHICLE FUELING OF DIESEL FUEL + AUTO GAS.</u>  |   |   |
| Project description: <u>CONSTRUCT 3'X14' CONCRETE PUMP ISLAND AND A 12'X24' CONCRETE CONTAINMENT PAD, WITH DRIVES.</u>  |   |   |
| Contractor's Name, Address & Telephone: <u>LAKE REGION ENVIRONMENTAL</u><br><u>P.O. Box 1236</u><br><u>BELMONT N.H.</u>   |   |   |
| Applicants Name, Address & Telephone: <u>NORTHEAST AIR</u><br><u>987 WESTBROOK ST.</u><br><u>PORTLAND</u>   |   |   |
| *Who should we contact when the permit is ready: <u>STEPHEN WALKER</u><br>Telephone: <u>774-6318</u>  |   |   |
| If you would like the permit mailed, what mailing address should we use: <u>987 WESTBROOK ST.</u><br><u>PORTLAND, ME</u><br><u>04102</u>  |   |   |
| Rec'd By: <u>Gay</u>  |   |   |

2003 6014

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services  
Division of Health Engineering Station 30  
(207) 287-5872 FAX (207) 287-4172

|   |   |   |  |
|---|---|---|--|
| PROPERTY LOCATION   |   | >> Caution: Permit Required - Attach in Space Below <<  |  |
| City, Town, or Plantation   | PORTLAND  | PORTLAND<br>Date Permit Issued: <u>10/14/2003</u><br>Local Plumbing Inspector Signature: <u>[Signature]</u>   | 8662 TOWN COPY<br>\$ <u>110.00</u> FEE<br>L.P.I. # <u>0640</u> |
| Street or Road  | <u>995</u> YELLOWBIRD LANE  |   |  |
| Subdivision, Lot *  | PORTLAND JETPORT  |   |  |
| OWNER/APPLICANT INFORMATION   |   |   |  |
| Name (last, first)  | JETPOR CPM CONSTRUCTORS   | Owner   |  |
| Mailing Address of  | 30 Bonney Street<br>P.O. Box B<br>FREEPORT, MAINE 04032<br>(207) 865-0000 | Applicant   |  |
| Daytime Tel. *  |   |   |  |
| Owner or Applicant Statement  |   | Municipal Tax Map * <u>199 A</u> Lot * <u>00 1005</u>   |  |
| I state that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Department and/or Local Plumbing Inspector to deny a permit.<br><u>[Signature]</u> <u>10/14/2003</u><br>Signature of Owner/Applicant Date |   | Caution: Inspections Required<br>I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application.<br>(1st) Date Approved _____<br>Local Plumbing Inspector Signature _____<br>(2nd) Date Approved _____ |  |

## PERMIT INFORMATION

|   |  |  |
|---|--|--|
| <b>TYPE OF APPLICATION</b><br>1. <input checked="" type="checkbox"/> First Time System<br>2. <input type="checkbox"/> Replacement System<br>Type Replaced: _____<br>Year Installed: _____<br>3. <input type="checkbox"/> Expanded System<br>a. <input type="checkbox"/> One-time exempted<br>b. <input type="checkbox"/> Non exempted<br>4. <input type="checkbox"/> Experimental System<br>5. <input type="checkbox"/> Seasonal Conversion | <b>THIS APPLICATION REQUIRES</b><br>1. <input checked="" type="checkbox"/> No Rule Variance<br>2. <input type="checkbox"/> First Time System Variance<br>a. <input type="checkbox"/> Local Plumbing Inspector Approval<br>b. <input type="checkbox"/> State & Local Plumbing Inspector Approval<br>3. Replacement System Variance<br>a. <input type="checkbox"/> Local Plumbing Inspector Approval<br>b. <input type="checkbox"/> State & Local Plumbing Inspector Approval<br>4. <input type="checkbox"/> Minimum Lot Size Variance<br>5. <input type="checkbox"/> Seasonal Conversion Approval | <b>DISPOSAL SYSTEM COMPONENT(S)</b><br>1. <input checked="" type="checkbox"/> Complete Non-Engineered System<br>2. <input type="checkbox"/> Primitive System (graywater & old toilet)<br>3. <input type="checkbox"/> Alternative Toilet, specify: _____<br>4. <input type="checkbox"/> Non-Engineered Treatment Tank (only)<br>5. <input type="checkbox"/> Holding Tank, _____ Gallons<br>6. <input type="checkbox"/> Non-Engineered Disposal Field (only)<br>7. <input type="checkbox"/> Separated Laundry System<br>8. <input type="checkbox"/> Complete Engineered System (2000 gpd+)<br>9. <input type="checkbox"/> Engineered Treatment Tank (only)<br>10. <input type="checkbox"/> Engineered Disposal field (only)<br>11. <input type="checkbox"/> Pre-treatment, specify: _____<br>12. <input type="checkbox"/> Miscellaneous components |
| <b>SIZE OF PROPERTY</b><br><input type="checkbox"/> sq. ft.<br><input type="checkbox"/> acres   | <b>DISPOSAL SYSTEM TO SERVE</b><br>1. <input type="checkbox"/> Single Family Dwelling Unit, No. of Bedrooms: _____<br>2. <input type="checkbox"/> Multiple Family Dwelling, No of Units: _____<br>3. <input checked="" type="checkbox"/> Other: <u>ELECTRICAL VAULT</u><br>SPECIFY _____   | <b>TYPE OF WATER SUPPLY</b><br>1. <input type="checkbox"/> Drilled Well 2. <input type="checkbox"/> Dug Well 3. <input type="checkbox"/> Private<br>4. <input checked="" type="checkbox"/> Public 5. <input type="checkbox"/> Other: _____   |
| <b>SHORELAND ZONING</b><br><input type="checkbox"/> Yes <input type="checkbox"/> No   |  |  |

## DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

|   |  |  |  |
|---|--|--|--|
| <b>TREATMENT TANK</b><br>1. <input checked="" type="checkbox"/> Concrete<br>a. <input checked="" type="checkbox"/> Regular<br>b. <input type="checkbox"/> Low Profile<br>2. <input type="checkbox"/> Plastic<br>3. <input type="checkbox"/> Other: _____<br>CAPACITY <u>750</u> gallons | <b>DISPOSAL FIELD TYPE &amp; SIZE</b><br>1. <input type="checkbox"/> Stone Bed 2. Stone Trench<br>3. <input checked="" type="checkbox"/> Proprietary Device<br>a. <input type="checkbox"/> Cluster array c. <input checked="" type="checkbox"/> Linear<br>b. <input checked="" type="checkbox"/> Regular d. <input type="checkbox"/> H-20 loaded<br>4. <input type="checkbox"/> Other: _____<br>SIZE <u>200</u> <input checked="" type="checkbox"/> sq. ft. <input type="checkbox"/> lin. ft.<br><u>5 PLASTIC CHAMBERS</u> | <b>GARBAGE DISPOSAL UNIT</b><br>1. <input checked="" type="checkbox"/> No 3. <input type="checkbox"/> Maybe<br>2. <input type="checkbox"/> Yes >> Specify one below:<br>a. <input type="checkbox"/> Multi-compartment tank<br>b. <input type="checkbox"/> Tank in series<br>c. <input type="checkbox"/> Increase in tank capacity<br>d. <input type="checkbox"/> Filter on tank outlet | <b>DESIGN FLOW</b><br><u>15</u> gallons per day<br>BASED ON:<br>1. <input checked="" type="checkbox"/> Table 501.1 (dwelling unit(s))<br>2. <input type="checkbox"/> Table 501.2 (other facilities)<br>SHOW CALCULATIONS<br>- for other facilities -<br><b>ELECTRICAL VAULT</b><br><b>1 EMPLOYEE @ 15 GPD</b><br>3. <input type="checkbox"/> Section 503.0 (meter readings)<br>ATTACH WATER-METER DATA |
| <b>SOIL DATA &amp; DESIGN CLASS</b><br>PROFILE <u>12</u> / CONDITION <u>C/D</u> / DESIGN <u>3</u><br>AT Observation Hole * <u>203</u><br>Depth <u>12</u> " Elevation _____"<br>OF MOST LIMITING SOIL FACTOR   | <b>DISPOSAL FIELD SIZING</b><br>1. <input type="checkbox"/> Small - 2.0 sq.ft./gpd<br>2. <input type="checkbox"/> Medium - 2.6 sq.ft./gpd<br>3. <input type="checkbox"/> Medium-Large - 3.3 sq.ft./gpd<br>4. <input type="checkbox"/> Large - 4.1 sq.ft./gpd<br>5. <input type="checkbox"/> Extra-Large - 5.0 sq.ft./gpd   | <b>PUMPING</b><br>1. <input type="checkbox"/> Not required<br>2. <input checked="" type="checkbox"/> May be required<br>3. <input type="checkbox"/> Required >> Specify only for engineered or experimental systems:<br>DOSE: _____ Gallons  |  |

## SITE EVALUATOR STATEMENT

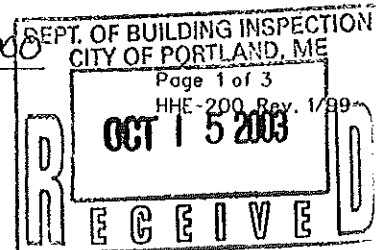
I certify that on 12/16/99 (date) I completed a site evaluation on this property and state that the data reported is accurate and that the proposed system is in compliance with the Subsurface Wastewater Disposal Rules (10-144A CMR 241).

Albert Frick  
Site Evaluator Signature

63  
SE #

1/10/2000  
Date

ALBERT FRICK ASSOCIATES - 85A COUNTY ROAD ROAD GORHAM, MAINE 04038 - (207) 839-5563





**Albert Frick Associates, Inc.**

Soil Scientists & Site Evaluators

95A County Road Gurham, Maine 04038

(207) 839-5563

PORTLAND  
TOWN

YELLOWBIRD LANE  
LOCATION

PORTLAND JETPORT  
APPLICANT'S NAME

1) The Plumbing and Subsurface Wastewater Disposal Rules adopted by the State of Maine, Department of Human Services pursuant to 22 M.R.S.A. § 42 (the "Rules") are incorporated herein by reference and made a part of this application and shall be consulted by the owner/applicant, the system installer and/or building contractor for further construction details and material specifications. The system installer should contact Albert Frick Associates, Inc. 839-5563, if there are any questions concerning materials, procedures or designs. The system installer and/or building contractor installing the system shall be solely responsible for compliance with the Rules and with all state and municipal laws and ordinances pertaining to the permitting, inspection and construction of subsurface wastewater disposal systems.

2) This application is intended to represent facts pertinent to the Rules only. It shall be the responsibility of the owner/applicant, system installer and/or building contractor to determine compliance with and to obtain permits under all applicable local, state and/or federal laws and regulations (including, without limitation, Natural Resources Protection Act, wetland regulations, zoning ordinances, subdivision regulations, Site Location of Development Act and minimum lot size laws) before installing this system or considering the property on which the system is to be installed a "buildable" lot. It is recommended that a wetland scientist be consulted regarding wetland regulations.

Prior to the commencement of construction/installation, the local plumbing inspector shall inform the owner/applicant and Albert Frick Associates, Inc. of any local ordinances which are more restrictive than the Rules in order that the design may be amended. All designs are subject to review by local, state and/or federal authorities. Albert Frick Associates, Inc.'s liability shall be limited to revisions required by regulatory agencies pursuant to laws or regulations in effect at the time of preparation of this application.

3) All information shown on this application relating to property lines, well locations, subsurface structures and underground facilities (such as, utility lines, drains, septic systems, water lines, etc.) are based solely upon information provided by the owner/applicant and has been relied upon by Albert Frick Associates, Inc. in preparing this application. The owner/applicant shall review this application prior to the start of construction and confirm this information.

4) Installation of a garbage (grinder) disposal is not recommended. If one is installed, an additional 1000 gallon septic tank or a septic tank filter should be connected in series to the proposed septic tank.

5) The system user shall avoid introducing kitchen grease or fats into this system. Chemicals such as septic tank cleaners and/or chlorine (such as from water treatment) and controlled or hazardous substances shall not be disposed of in this system.

BUILDING PERMIT REPORT

DATE: 23 APRIL 2001 ADDRESS: 947 Westbrook St. CBL: 199-A-001  
REASON FOR PERMIT: To Const 3'x14' pump Island / 12'x24 concrete pad  
BUILDING OWNER: City of Portland (Northeast Air.)  
PERMIT APPLICANT: \_\_\_\_\_ (CONTRACTOR Luke Rogers Environmental)  
USE GROUP: U CONSTRUCTION TYPE: \_\_\_\_\_ CONSTRUCTION COST: 35,000.00 PERMIT FEES: 234

The City's Adopted Building Code (The BOCA National Building Code/1999 with City Amendments)  
The City's Adopted Mechanical Code (The BOCA National Mechanical Code/1993)


CONDITION(S) OF APPROVAL

This permit is being issued with the understanding that the following conditions shall be met: 1, 2, 28, 30

1. This permit does not excuse the applicant from meeting applicable State and Federal rules and laws.
2. Before concrete for foundation is placed, approvals from the Development Review Coordinator and Inspection Services must be obtained. (A 24 hour notice is required prior to inspection) "ALL LOT LINES SHALL BE CLEARLY MARKED BEFORE CALLING."
3. Foundation drain shall be placed around the perimeter of a foundation that consists of gravel or crushed stone containing not more than 10 percent material that passes through a No. 4 sieve. The drain shall extend a minimum of 12 inches beyond the outside edge of the footing. The thickness shall be such that the bottom of the drain is not higher than the bottom of the base under the floor, and that the top of the drain is not less than 6 inches above the top of the footing. The top of the drain shall be covered with an approved filter membrane material. Where a drain tile or perforated pipe is used, the invert of the pipe or tile shall not be higher than the floor elevation. The top of joints or top of perforations shall be protected with an approved filter membrane material. The pipe or tile shall be placed on not less than 2" of gravel or crushed stone, and shall be covered with not less than 6" of the same material. Section 1813.5.2
4. Foundations anchors shall be a minimum of 1/2" in diameter, 7" into the foundation wall, minimum of 12" from corners of foundation and a maximum 6' O.C. between bolts. Section 2305.17
5. Waterproofing and dampproofing shall be done in accordance with Section 1813.0 of the building code.
6. Precaution must be taken to protect concrete and masonry. Concrete Sections 1908.9-19.8.10/ Masonry Sections 2111.3-2111.4.
7. 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.
8. 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/1999)
9. All chimneys and vents shall be installed and maintained as per Chapter 12 of the City's Mechanical Code. (The BOCA National Mechanical Code/1993). Chapter 12 & NFPA 211
10. Sound transmission control in residential building shall be done in accordance with Chapter 12, Section 1214.0 of the City's Building Code.
11. Guardrails & 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". In occupancies in Use Group A, B, H-4, I-1, I-2, M, R, 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. Handrails shall be a minimum of 34" but not more than 38". Exception: Handrails that form part of a guard shall have a height not less than 36 inches (914 mm) and not more than 42 inches (1067 mm). Handrail grip size shall have a circular cross section with an outside diameter of at least 1 1/4" and not greater than 2". (Sections 1021 & 1022.0). Handrails shall be on both sides of stairway. (Section 1014.7)
12. Headroom in habitable space is a minimum of 7'6". (Section 1204.0)
13. Stair construction in Use Group R-3 & R-4 is a minimum of 10" tread and 7 1/2" maximum rise. All other Use Group minimum 11" tread, 7" maximum rise. (Section 1014.0)
14. The minimum headroom in all parts of a stairway shall not be less than 80 inches. (6'8") 1014.4
15. The Minimum required width of a corridor shall be determined by the most restrictive of the criteria under section 1011.3 but not less than 36".
16. 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 (508mm), and a minimum net clear opening of 5.7 sq. ft. (Section 1010.4)
17. 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. (Section 1010.1)
18. All vertical openings shall be enclosed with construction having a fire rating of at least one (1) hour, including fire doors with self closure's. (Over 3 stories in height requirements for fire rating is two (2) hours. (Section 710.0)
19. The boiler shall be protected by enclosing with (1) hour fire rated construction including fire doors and ceiling, or by providing automatic extinguishment. (Table 302.1.1)

20. 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 920.3.2 (BOCA National Building Code/1999), and NFPA 101 Chapter 18 & 19. (Smoke detectors shall be installed and maintained at the following locations):
  - In the immediate vicinity of bedrooms
  - In all bedrooms
  - In each story within a dwelling unit, including basements
21. 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. (Section 921.0)
22. The Fire Alarm System shall be installed and maintained to NFPA #72 Standard.
23. The Sprinkler System shall be installed and maintained to NFPA #13 Standard.
24. All exit signs, lights and means of egress lighting shall be done in accordance with Chapter 10 Section & Subsections 1023.0 & 1024.0 of the City's Building Code. (The BOCA National Building Code/1999)
25. 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".
26. 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 commencing construction of the facility, the builder shall submit the certification the Division of Inspection Services.
27. Ventilation and access shall meet the requirements of Chapter 12 Sections 1210.0 and 1211.0 of the City's Building Code. (Crawl spaces & attics).
28. All electrical, plumbing and HVAC permits must be obtained by Master Licensed holders of their trade. No closing in of walls until all electrical (min. 72 hours notice) and plumbing inspections have been done.
29. All requirements must be met before a final Certificate of Occupancy is issued.
30. All building elements shall meet the fastening schedule as per Table 2305.2 of the City's Building Code (The BOCA National Building Code/1996).
31. Ventilation of spaces within a building shall be done in accordance with the City's Mechanical code (The BOCA National Mechanical Code/1993). (Chapter M-16)
32. Please read and implement the attached Land Use Zoning report requirements.
33. Boring, cutting and notching shall be done in accordance with Sections 2305.3, 2305.3.1, 2305.4.4 and 2305.5.1 of the City's Building Code.
34. Bridging shall comply with Section 2305.16.
35. Glass and glazing shall meet the requirements of Chapter 24 of the building code. (Safety Glazing Section 2406.0)
36. All flashing shall comply with Section 1406.3.10.
37. All signage shall be done in accordance with Section 3102.0 signs of the City's Building Code, (The BOCA National Building Code/1999).

*Installation shall comply w/ NFPA 30*

  
 Michael Nugent, Building Inspector  
 Cc: Ms. Dougall, PFD  
 Marge Schmuckal, Zoning Administrator  
 Michael Nugent, Inspection Service Manager

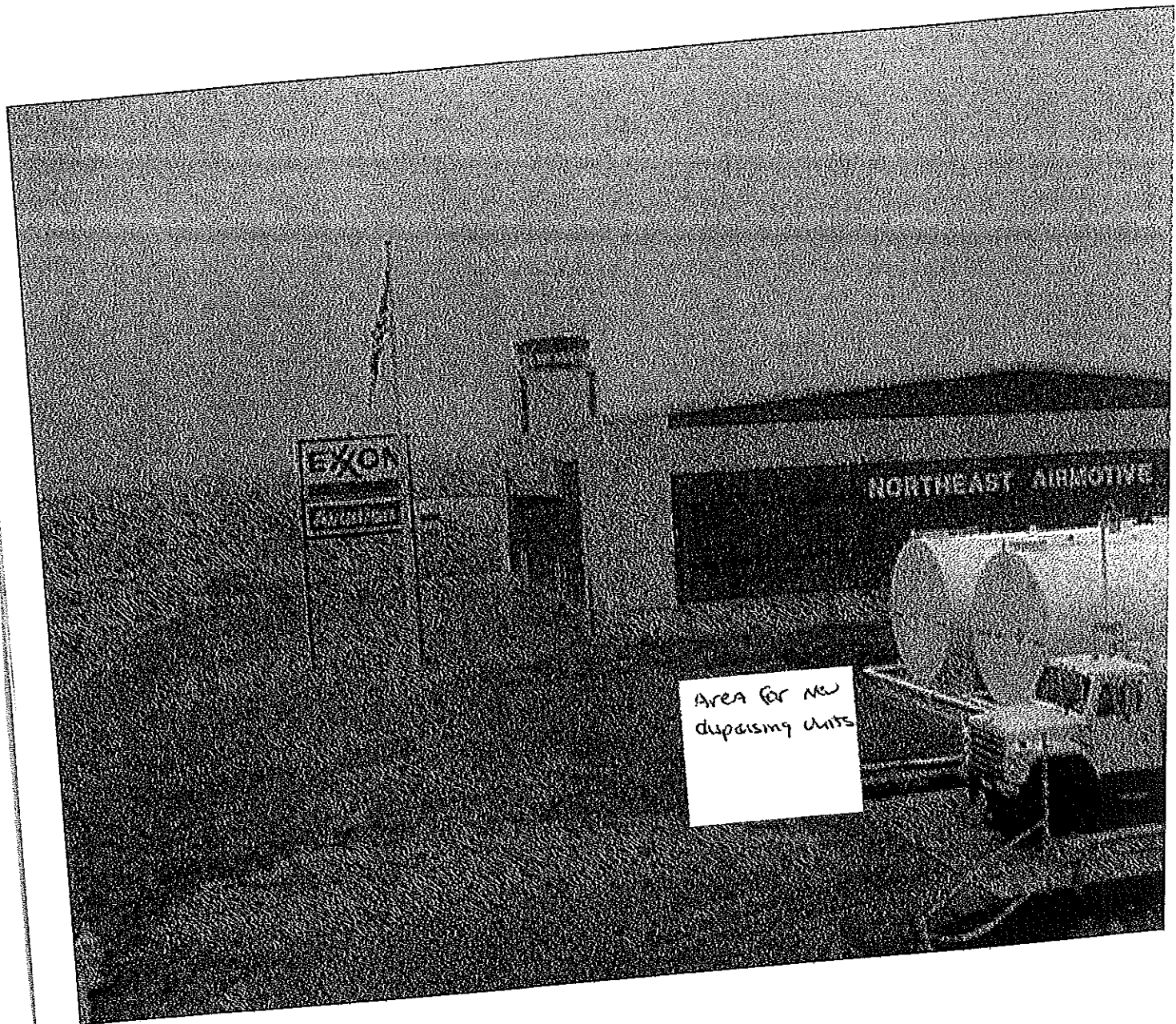
PSH 10/1/00

**\*\*This permit is herewith issued, on the basis of plans submitted and conditions placed on these plans, any deviations shall require a separate approval.**

**\*\*\*THIS PERMIT HAS BEEN ISSUED WITH THE UNDERSTANDING THAT ALL THE CONDITIONS OF THE APPROVAL SHALL BE COMPLETED. THEREFORE, BEFORE THE WORK IS COMPLETED A REVISED PLAN OR STATEMENT FROM THE PERMIT HOLDER SHALL BE SUBMITTED TO THIS OFFICE SHOWING OR EXPLAINING THAT THE CONDITIONS HAVE BEEN MET. IF THIS REQUIREMENT IS NOT RECEIVED YOUR CERTIFICATE OF OCCUPANCY SHALL BE WITHHELD. ( You Shall Call for Inspections )**

**\*\*\*\*ALL PLANS THAT REQUIRE A PROFESSIONAL DESIGNER'S SEAL, (AS PER SECTION 114.0 OF THE BUILDING CODE) SHALL ALSO BE PRESENTED TO THIS DIVISION ON AUTO CAD LT. 2000, DXF FORMAT OR EQUIVALENT.**

**\*\*\*\*\*CERTIFICATE OF OCCUPANCY FEE \$50.00**



Area for new  
duplexing units

install 24' X 12'



## PROGRAM OF TESTS AND INSPECTIONS

*For Compliance with Chapter 17 of the BOCA National Building Code 1999 Edition*

Project: **Airfield Lighting Vault  
Portland International Jetport  
Portland, Maine**

Owner: **The City of Portland**

Architect & Structural Engineer of Record: **Lin Associates, Inc.**

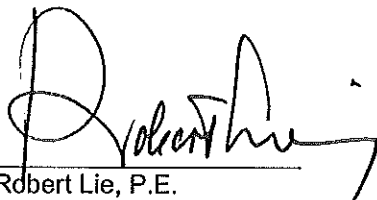
This program of tests and inspections is submitted as a condition for issuance of the building permit in accordance with Chapter 17 of the BOCA National Building Code 1999 Edition. It includes a schedule of tests and inspections applicable to this project as well as the names of individuals and the identity of other agencies intended to be retained for conducting these tests and inspections.

The Engineer of Record shall be kept informed on and be provided with all records on all inspections and tests and shall furnish reports, if required, to the Building Officials. The Engineer of Record shall review inspections and testing reports and shall give written notice of non-conforming work to the Contractor for corrections. The Program of Tests and Inspections does not relieve the Contractor of his/her responsibilities and obligations to comply with the Contract Documents. Furthermore, the results of the Program of Tests and Inspections do not relieve the Contractor of his/her responsibilities on the Project.

Job site safety is solely the responsibility of the Contractor and not part of the Program of Tests and Inspections. Materials and activities to be inspected do not include the Contractor's equipment or the means, methods, and procedures used to erect or install the materials or assemblies listed.

Submitted by:

Lin Associates, Inc.

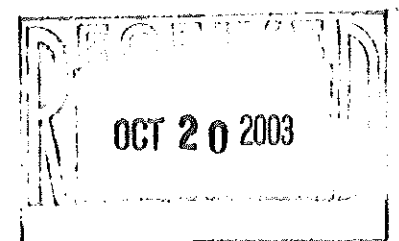
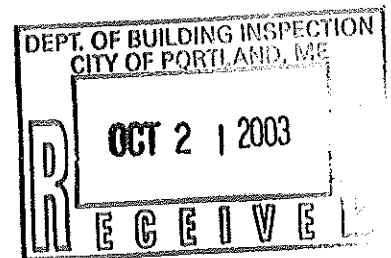


Robert Lie, P.E.

Principal

Date: October 16, 2003

Attachments.

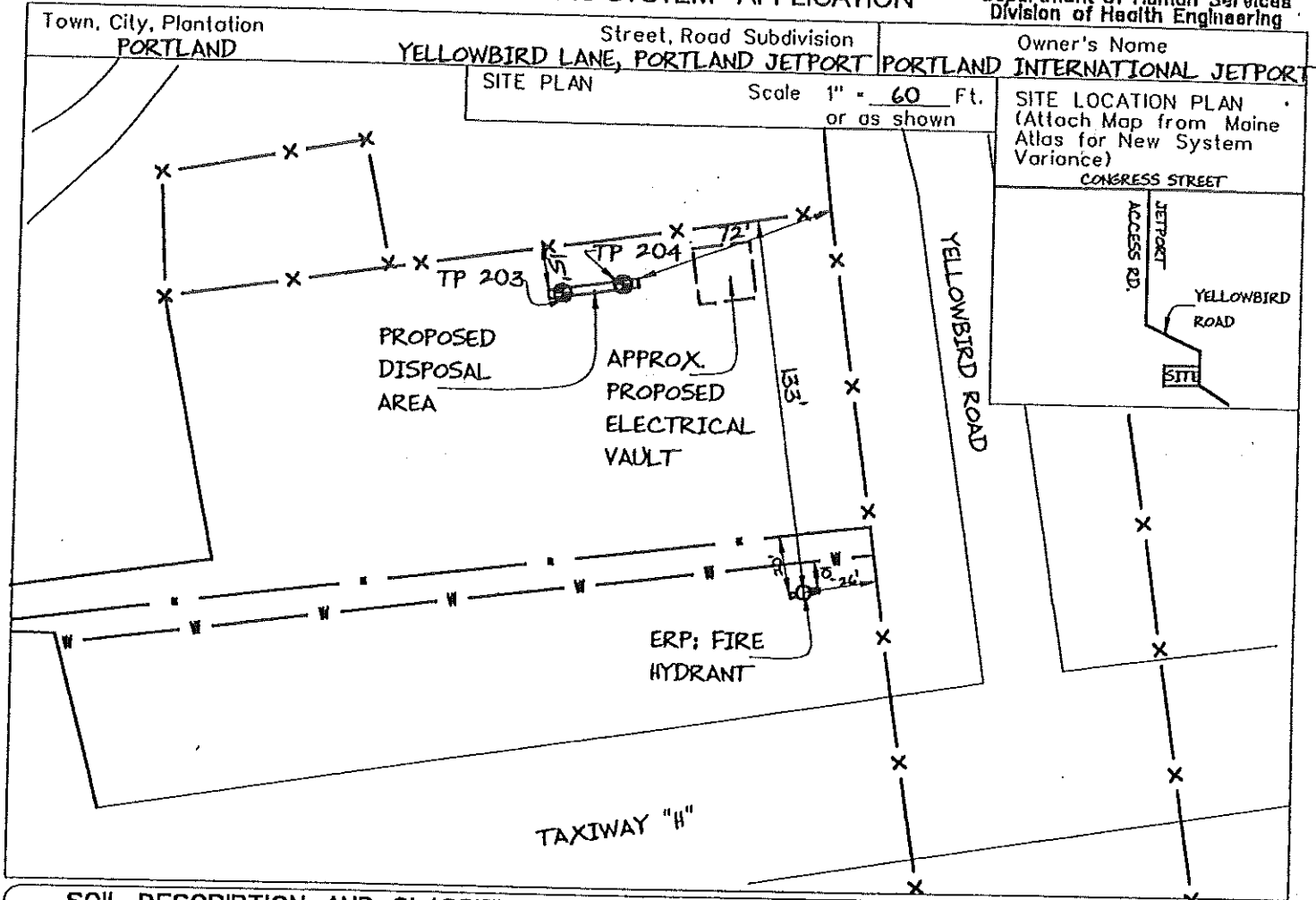


RE: Yellowbird



# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services  
Division of Health Engineering



## SOIL DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above)

Observation Hole TP 203  Test Pit  Boring  
" Depth of Organic Horizon Above Mineral Soil

| DEPTH BELOW MINERAL SOIL SURFACE (inches) | Texture | Consistency | Color | Mottling |
|---|---------|-------------|-------|----------|
| 0   | SILT    |             | DARK  |          |
|   | LOAM    |             | BROWN |          |
| 10  | (FILL)  |             |       |          |
|   | LOAMY   | FRIABLE     | LIGHT |          |
| 20  | SAND    |             | OLIVE | FREE     |
|   | (FILL)  |             | BROWN | WATER    |
| 30  |         |             |       | COMMON   |
|   | SILTY   | FIRM        | OLIVE | DISTINCT |
| 40  | CLAY    |             |       |          |
| 50  |         |             |       |          |

Soil Classification: 12 C  
Profile Condition

Slope: \_\_\_\_\_ %

Limiting Factor: 28"

Ground Water  
 Restrictive Layer  
 Bedrock  
 Pit Depth

Observation Hole TP 204  Test Pit  Boring  
" Depth of Organic Horizon Above Mineral Soil

| DEPTH BELOW MINERAL SOIL SURFACE (inches) | Texture | Consistency | Color | Mottling |
|---|---------|-------------|-------|----------|
| 0   | SILT    |             | DARK  |          |
|   | LOAM    |             | BROWN |          |
| 10  | (FILL)  | FRIABLE     |       |          |
|   | LOAMY   |             | OLIVE | FEW      |
| 20  | SAND    |             | BROWN | FAIN     |
|   | (FILL)  |             |       |          |
| 30  | SILTY   | FIRM        | OLIVE | COMMON   |
|   | CLAY    |             |       | DISTINCT |
| 40  |         |             |       |          |
| 50  |         |             |       |          |

Soil Classification: 12 D  
Profile Condition

Slope: \_\_\_\_\_ %

Limiting Factor: 12"

Ground Water  
 Restrictive Layer  
 Bedrock  
 Pit Depth

*Albert Frick*  
Site Evaluator Signature

163  
SE

1/10/2000  
Date

Inspection Services  
Michael J. Nugent  
Manager  
Director



Department of Urban Development  
Joseph E. Gray, Jr.

**CITY OF PORTLAND**

**ALL PURPOSE BUILDING PERMIT  
APPLICATION**

&

**SITE PLAN APPLICATION FOR NEW SINGLE  
FAMILY CONSTRUCTION**

As an applicant for a building permit, you are about to enter into a relationship with our Office. We welcome any question, comments or suggestions that will make the process more efficient.

Attached you will find an application and some samples of the submissions you will provide at application time.

Please read ALL of the information and if you need further assistance please call us at 874-8703 or 874-8693.

The building permit cost is \$30.00 for the first \$1,000.00 and \$6.00 for every additional \$1,000.00 after that.

If this permit is in conjunction with a Minor/Minor Site Plan Application for a New Single Family home a fee of \$300.00 will also need to be submitted with this application

## Schedule of Tests and Inspections

**Airfield Lighting Vault  
Portland International Jetport  
Portland, Maine**

### **AGENCIES:**

|  |  |
|--|--|
| <b>Architect &amp; Structural Engineer<br/>of Record (LIN)</b> | <b>Lin Associates, Inc.</b><br>Brighton, MA<br>(617) 566-4216      Fax (617) 566-6038                  |
| <b>Mechanical Engineer (ME)</b>                                | <b>SED Associates</b><br>Boston, MA<br>(617) 350-7245      Fax (617) 350-0332                          |
| <b>Geotechnical Engineer (GE)</b>                              | <b>DeLuca Hoffman Associates, Inc.</b><br>South Portland, ME<br>(207) 775-1121      Fax (207) 879-0896 |
| <b>General Contractor (GC)</b>                                 | <b>CPM Contractors</b><br>Freeport, ME<br>(207) 865-0000      Fax (207) 865-4836                       |
| <b>Resident Engineer (RE)</b>                                  | <b>DeLuca Hoffman Associates, Inc.</b><br>South Portland, ME<br>(207) 775-1121      Fax (207) 879-0896 |
| <b>Testing Laboratory (TL)</b>                                 | <b>S.W. Cole Engineering, Inc.</b><br>Gray, ME<br>(207) 657-2866      Fax (207) 657-2840               |
| <b>Manufacturer Technician (MT)</b>                            |  |



**CITY OF PORTLAND, MAINE**  
Department of Building Inspection

Received from Capitol 19  
2001

a fee

of Two Hundred Thirty Dollars \$ 330.00

install  
erect  
for permit to alter Carroll Concrete Pump

move  
demolish  
at 921 Washington Est. Cost \$ 35,000.00

CBL 199 A 001  
Clear # 03890

Per Stamp  
Inspector of buildings

**THIS IS NOT A PERMIT**

No work is to be started until PERMIT CARD is actually posted upon the premises. Acceptance of fee is no guarantee that permit will be granted. PRESERVE THIS RECEIPT. In case permit cannot be granted the amount of the fee will be refunded upon return of the receipt less \$5.00 or 10% whichever is greater.

WHITE - Applicant's Copy  
YELLOW - Office Copy  
PINK - Auditors Copy

## Schedule of Tests and Inspections

Airfield Lighting Vault  
Portland International Jetport  
Portland, Maine

### Soil

| Item               | Agency |  |
|--------------------|--------|--|
| 1. Excavation      | GE     | Evaluate soil at or below bottom of excavation for materials encountered during excavation.  |
| 2. Bearing Soil    | GE     | Evaluate undisturbed or prepared soil for bearing with design recommendation.  |
| 3. Structural Fill | GE, TL | <input type="checkbox"/> Evaluate for conformance with design.<br><input type="checkbox"/> Inspect placement of lifts.<br><input type="checkbox"/> Perform in-situ compaction.           |
| 4. Prepared Fill   | GE, TL | <input type="checkbox"/> Evaluate site preparation procedure.<br><input type="checkbox"/> Evaluate placement and compaction.<br><input type="checkbox"/> Determine in-place dry density. |

## Schedule of Tests and Inspect

Airfield Lighting Vault  
 Portland International Jetport  
 Portland, Maine

### Cast-in Place Concrete:

| Item                                      | Agency          |  |
|---|-----------------|--|
| 1. Mix Design                             | LIN             | Review mix designs.  |
| 2. Materials Certification                | LIN             | Review for conformance to sp   |
| 3. Shop Drawings                          | LIN             | Review shop drawings for con   |
| 4. Reinforcement Installation             | RE, TL,<br>LIN* | Inspect reinforcing for size, qu<br>conformance with approved s  |
| 5. Formwork                               | RE              | Inspect form size and alignme  |
| 6. Concrete Placement                     | RE, TL          | Observe concrete placement t<br>specifications including cold-w<br>procedures (RE). Perform slur<br>point of discharge (TL). |
| 7. Evaluation of Concrete Strength        | TL, LIN         | Test (TL) and evaluate (LIN) i   |
| 8. Curing and Protection                  | RE              | Observe procedures for confo   |
| 9. Installation of Rebar Adhesive Anchors | RE              | Observe installation procedure<br>manufacturers recommendatio  |

\*LIN to make site visits at appropriate intervals.

## Schedule of Tests and Inspections

Airfield Lighting Vault  
Portland International Jetport  
Portland, Maine

### Masonry

| Item                       | Agency   |   |
|----------------------------|----------|---|
| 1. Mix Design              | LIN      | Review mix designs.   |
| 2. Materials Certification | LIN      | Review for conformance to specifications.   |
| 3. Shop Drawings           | LIN      | Review shop drawings for conformance to design intent.  |
| 3. Masonry Sample Panel    | RE, LIN  | During site visit, LIN to observe compliance with design intent.  |
| 4. Masonry Construction    | RE, LIN* | RE to perform daily inspection of masonry placement, reinforcing, grouting, and masonry placement for general appearance. |
| 5. Curing and Protection   | RE       | Inspection for maintenance of curing techniques, especially during construction.  |

\*LIN to make site visits at appropriate intervals.



## Schedule of Tests and Inspections

Airfield Lighting Vault  
Portland International Jetport  
Portland, Maine

### Structural Steel (includes Miscellaneous Metals)

| Item   | Agency       |   |
|--|--------------|---|
| 1. Fabricator Certification / Quality Control Procedures | TL           | Review each fabricator's quality control procedures.  |
| 2. Fabricator Inspection                                 | TL, LIN      | Inspect in-plant fabrication or fabricator's approved Independent Inspection Agency (LIN).  |
| 3. Material Certification / Shop Drawing                 | LIN          | Review for conformance to contract specifications.  |
| 4. Bolting   | TL, RE       | Visually inspect bolted connections for conformance to specifications. Verify bolt size and torque.   |
| 5. Welding   | TL, RE       | Check the welder's qualifications and that the welding conforms to AWS specifications and contract documents. Visually inspect welds for conformance to specifications. |
| 6. Structural framing, Details, and Assemblies           | RE, TL, LIN* | Inspect for size, grade of steel and connections. Check against approved drawings.  |

\*LIN to make site visits at appropriate intervals.

## Schedule of Tests and Inspections

Airfield Lighting Vault  
Portland International Jetport  
Portland, Maine

### Steel Joists & Steel Deck

| Item   | Agency       |  |
|--|--------------|--|
| 1. Fabricator Certification / Quality Control Procedures | TL           | Review each fabricators quality control procedures and SJI specifications.   |
| 2. Fabricator Inspection                                 | TL           | Inspect in-plant fabrication or  |
| 3. Material Certification / Shop Drawing                 | LIN          | Review for conformance to code   |
| 4. Installation  | RE, LIN*     | Verify that type, size, quantity, and framing members conform to contract documents.   |
| 5. Welding   | TL, RE       | Check the welder's qualifications and that the welding conforms to AWS specifications and contract documents. Visually inspect welds for conformance to specifications.                        |
| 6. Other Fasteners                                       | RE           | Verify fastener type and installation. Verify that fasteners conform to approved specifications and contract documents. Verify that fasteners are installed in accordance with specifications. |
| 7. Steel Decking   | TL, RE, LIN* | Verify gage, width, and type. Inspect and test welds in accordance with specifications. Verify sidelap attachment and screws.  |

\*LIN to make site visits at appropriate intervals.

## Schedule of Tests and Inspections

Airfield Lighting Vault  
Portland International Jetport  
Portland, Maine

### Joint Sealants

| Item  | Agency |  |
|---|--------|--|
| 1. Product Certification / Qualification Data | LIN    | Review for conformance to code                                   |
| 2. Material Certification                     | LIN    | Review for conformance to code                                   |
| 3. Product Test Reports                       | TL     | Perform testing to comply with code                              |
| 4. Installation                               | RE     | Observe installation procedure and manufacturers recommendations |

## Schedule of Tests and Inspections

Airfield Lighting Vault  
 Portland International Jetport  
 Portland, Maine

### Mechanical Systems

| Item                | Agency |  |
|---------------------|--------|--|
| 1. Boiler           | RE, MT | The proper operation of the boiler shall be certified by a factory authorized service representative by the specifications. This shall include coordination with the control contractor to ensure that the controls operate the system in a manner that is acceptable to the system manufacturer.                  |
| 2. Unit Heater      | RE, MT | The HVAC contractor shall provide proper operation of these items. Coordinate with the control contractor for proper operation.  |
| 3. Radiant Heating  | RE, MT | The proper operation of the radiant heating system shall be certified by a factory authorized service representative by the specifications. This shall include coordination with the control contractor to ensure that the controls operate the system in a manner that is acceptable to the system manufacturer.  |
| 4. Air-Conditioning | RE, MT | The proper operation of the air-conditioning system shall be certified by a factory authorized service representative by the specifications. This shall include coordination with the control contractor to ensure that the controls operate the system in a manner that is acceptable to the system manufacturer. |
| 5. Control          | RE, MT | Controls are by the owner but shall be tested and calibrated performed to ensure proper operation. This testing will need to be coordinated between the control contractor and his supplier.   |

\*ME to make site visits at appropriate intervals.

Airfield Lighting Vault  
Portland International Jetport  
Portland, Maine

### **Site Visits Schedule**

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Site visits will be necessary at these milestones:

#### For Architect / Structural Engineer:

- 1) Footing is installed and prior to the foundation wall being poured.  
Masonry Panel sample erected. (Secondary)
- 2) Slab reinforcing and Radiant slab piping installed and prior to the  
Masonry Panel sample erected. (Secondary)
- 3) Steel Joist erected and some steel deck installed.
- 4) Substantial completion / Punch List.
- 5) As required.

#### For Mechanical Engineer:

- 1) Radiant slab piping installed and prior to the slab being poured.
- 2) After system rough-in has been performed.
- 3) Final inspection once all equipment is in and operational.

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLIC

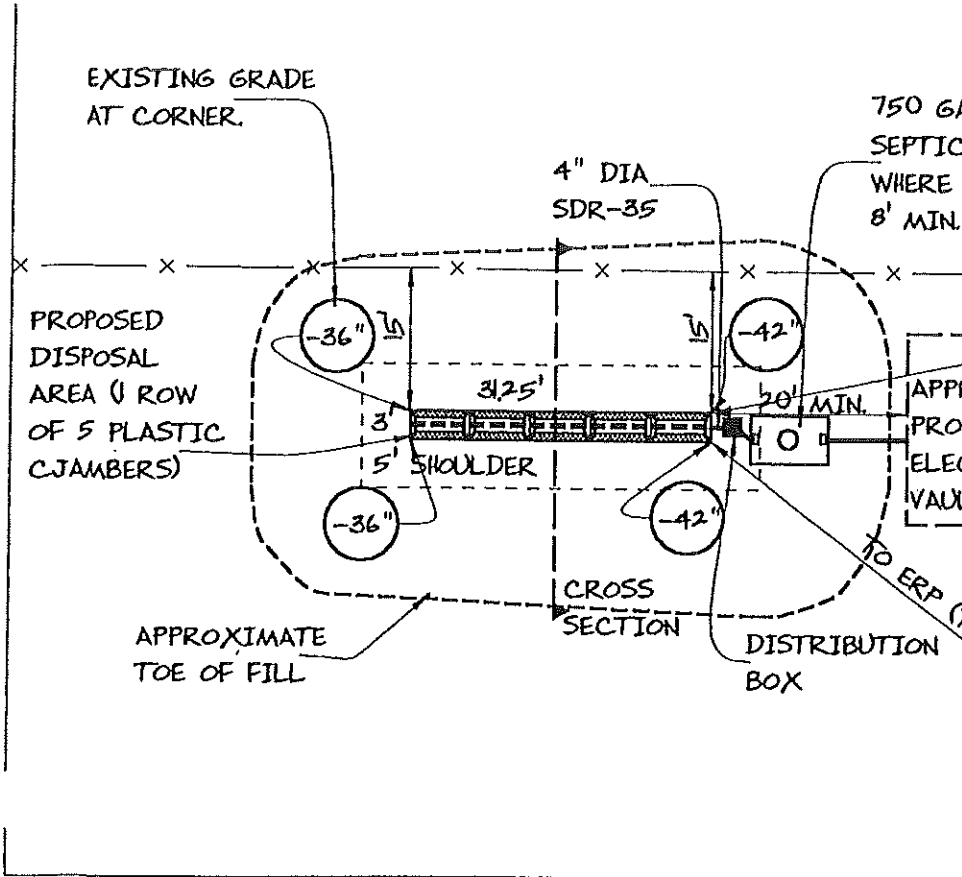
Town, City, Plantation

Street, Road, Subdivision

PORTLAND

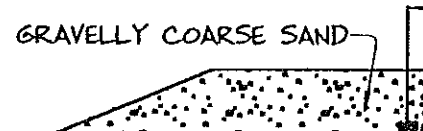
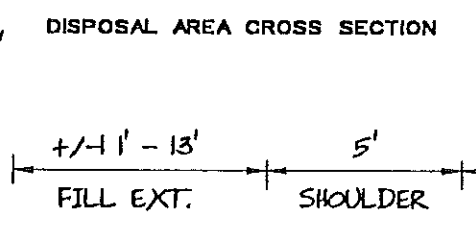
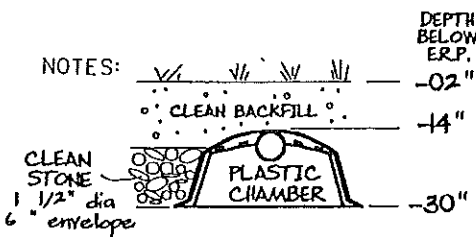
YELLOWBIRD LANE, PORTLAND JETPORT

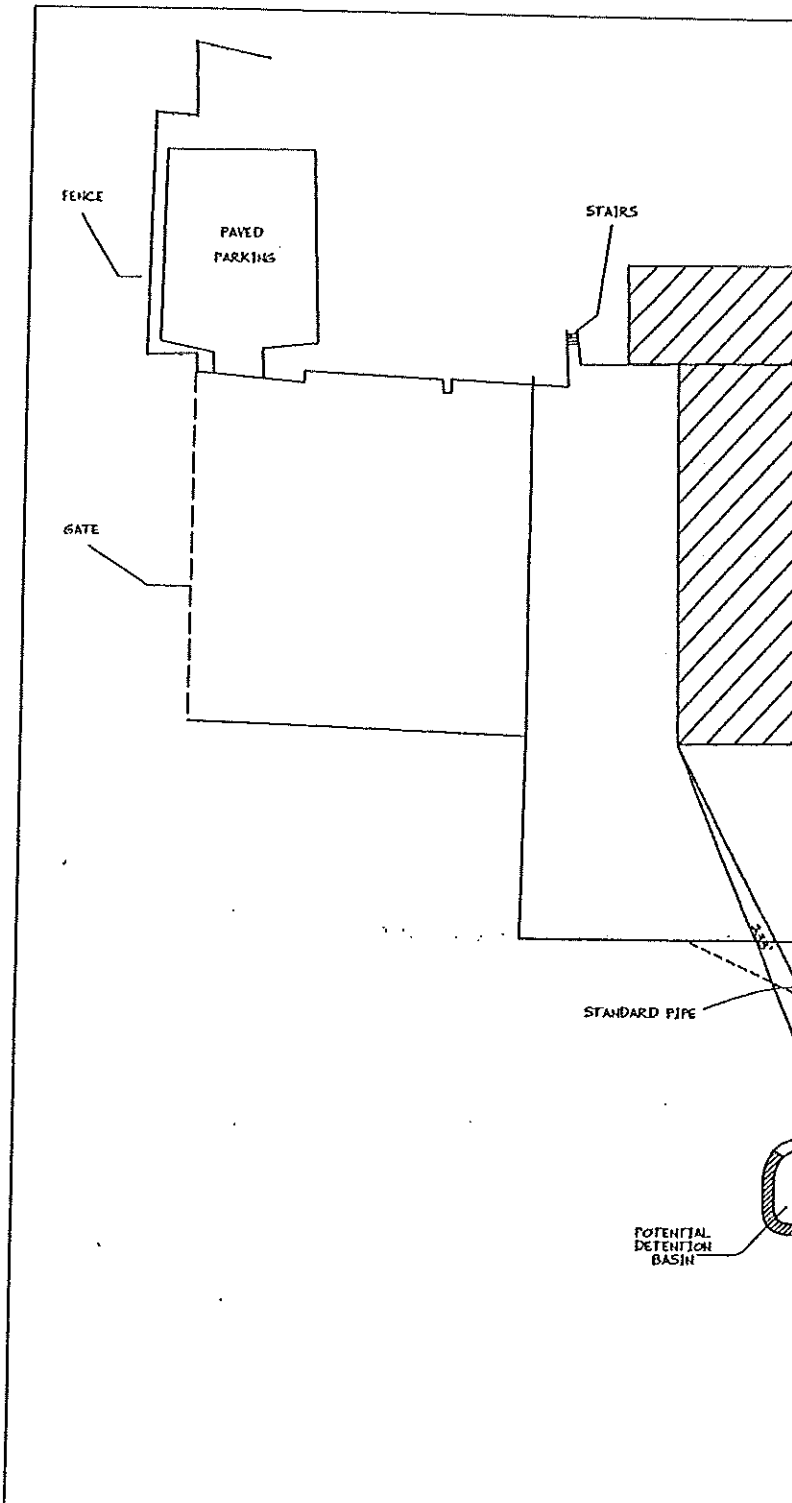
## SUBSURFACE WASTEWATER DISPOS



| FILL REQUIREMENTS         |            |
|---------------------------|------------|
| Depth of Fill (Upslope)   | ±34" - 40" |
| Depth of Fill (Downslope) | ±34" - 40" |

| CONSTRUCTION ELEVATIONS                 |  |
|---|--|
| Finished Grade Elevation                |  |
| Top of Distribution Pipe or Proprietary |  |
| Bottom of Disposal Area                 |  |





FENCE

PAVED  
PARKING

STAIRS

GATE

STANDARD PIPE

POTENTIAL  
DETENTION  
BASIN

SITE PLAN



- 3) 2" Solenoid valve with Pressure relief
- 4) 2" 1/4 Turn valve
- 5) 1-1/2" shear valve with fuseable link (under pump)

