

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

Location of Construction: 80 Blueberry Road 04103		Owner: Regional Waste Systems		Phone: 207-773-6465	Permit No: 9-91066UED
Owner Address: SAA		Lessee/Buyer's Name:		Phone:	Business Name:
Contractor Name: **Bancroft Contracting Corp.		Address: 23 Phillips Road, South Paris, ME 04281		Phone:	Permit Issued: SEP 28 1999
Past Use: Pavement/Storage		Proposed Use: No Storage Tank 8000 gal		COST OF WORK: \$ 12,500	PERMIT FEE: \$ 102.00
Proposed Project Description: Install a foundation and 8,000 gal containment of concrete. Install a 8,000 gal. fiberglass storage tank on foundation. Install fill, vent, distribution piping to plant.		FIRE DEPT. <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied		INSPECTION: Use Group: U Type: BOCA 96 Signature: <i>Hoff</i>	
Permit Taken By: KA		Date Applied For: 9-23-99		PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.) Action: Approved <input type="checkbox"/> Approved with Conditions: <input type="checkbox"/> Denied: <input type="checkbox"/> Signature: _____ Date: _____	
1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal rules.		***Send To: Bancroft Contracting Corp. 23 Phillips Rd. South Paris, Maine 04281		Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied	
2. Building permits do not include plumbing, septic or electrical work.				Historic Preservation <input checked="" type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review	
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..				Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved with Conditions <input type="checkbox"/> Denied	

CITY OF PORTLAND

Zone: CBL: 235-A-008

Zoning Approval: 7/27/99
Special Zone or Reviews:
 Shoreland
 Wetland
 Flood Zone
 Subdivision
 Site Plan maj minor mm

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 provisions of the code(s) applicable to such permit

9-23-99

SIGNATURE OF APPLICANT ADDRESS: DATE: PHONE:

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE PHONE:

CEO DISTRICT 3 sb

BUILDING PERMIT REPORT

DATE: 24 Sept 99

ADDRESS: 80 Blueberry Rd.

CB# 238-A-1008

REASON FOR PERMIT: Founda Tion of Fiberlass Storage Tank,

BUILDING OWNER: Reginald Masco Systems

Contractor Bancroft Coat Corp.

PERMIT APPLICANT: _____

USE GROUP U CONSTRUCTION TYPE _____

The City's Adopted Building Code (The BOCA National Building Code/1996 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 are met: X1 X2

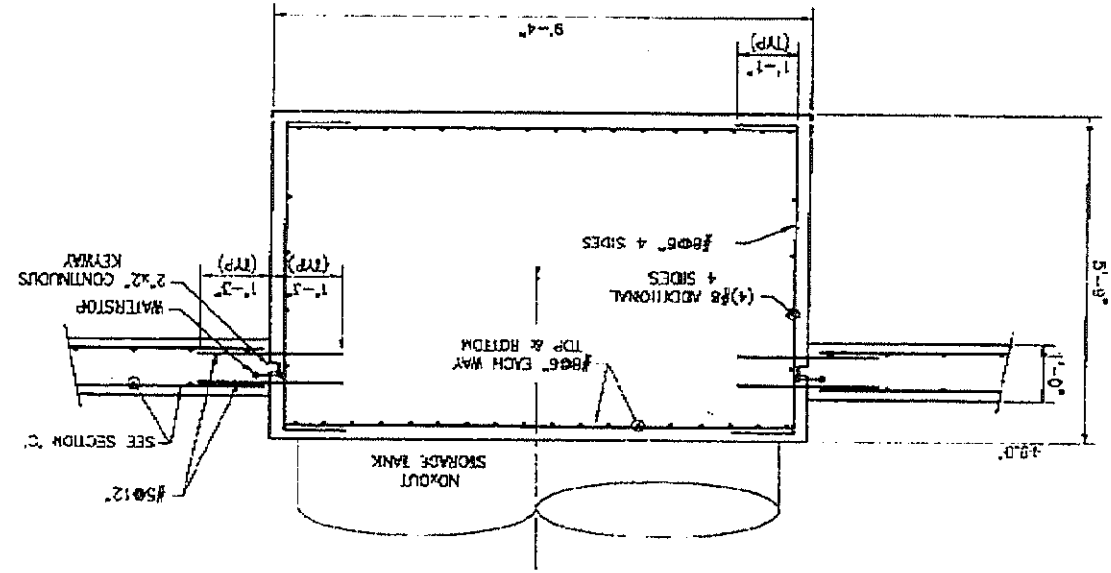
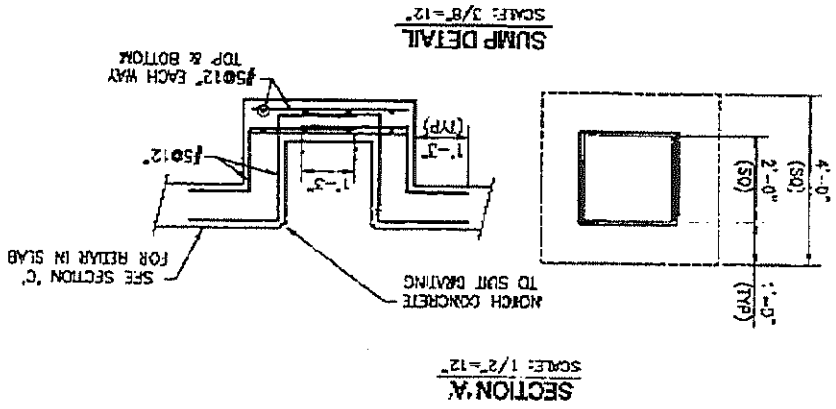
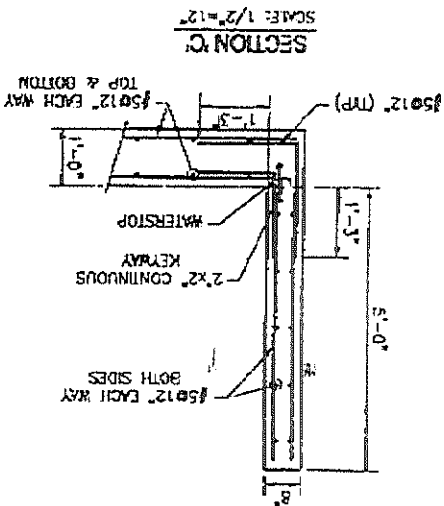
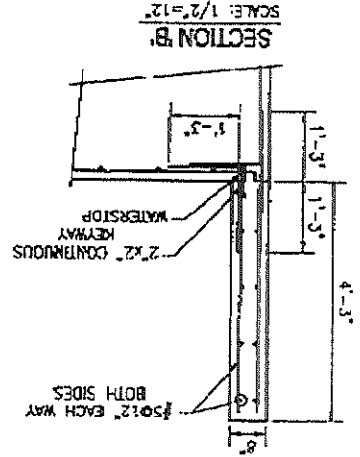
Approved with the following conditions: _____

~~X1~~ 1. This permit does not excuse the applicant from meeting applicable State and Federal rules and laws.
~~X2~~ 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 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)
4. Waterproofing and dampproofing shall be done in accordance with Section 1813.0 of the building code.
5. Precaution must be taken to protect concrete from freezing. Section 1908.0
6. If 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.
7. 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 means of 1/2 inch gypsum board or the equivalent applied to the garage side. (Chapter 4, Section 407.0 of the BOCA/1996)
8. 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
9. Sound transmission control in residential building shall be done in accordance with Chapter 12, Section 1214.0 of the City's Building Code.
10. 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", 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. (Handrails shall be a minimum of 36" but not more than 38". Use Group R-3 shall not be less than 30", but not more than 38".) 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)
11. Headroom in habitable space is a minimum of 7'6" (Section 1204.0)
12. 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)
13. The minimum headroom in all parts of a stairway shall not be less than 80 inches. (6'8") 1014.4
14. 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 1018.6)
- 15.

DATE: 07/13/99 PLOT: 9910605-CONA.dwg

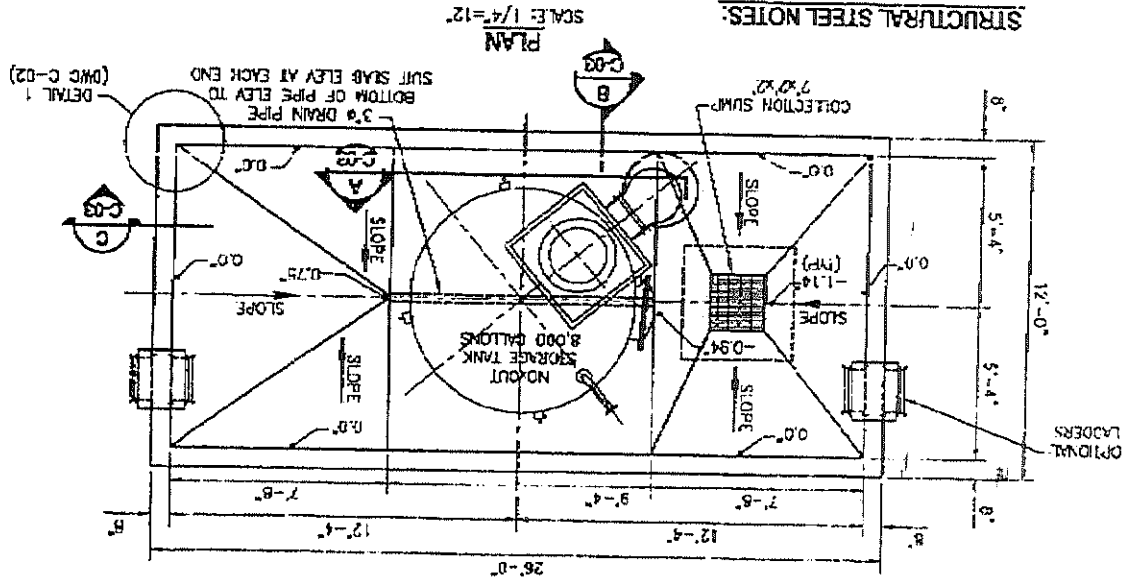
NO	DATE	DESCRIPTION
1	07/12/99	ISSUED FOR BID
INTERCONTINENT ENGINEERS, INC. 799 Roosevelt Road, Suite 103 Carol Stream, IL 60137 630/858-0008		
CKD	APP	9910605-003
DRN	APP	
DATE	07/12/99	SCALE: AS NOTED
REGIONAL WASTE SYSTEMS, INC. NOX STORAGE TANK CONTAINMENT STRUCTURE		



DATE: 07/13/98 P.D. 891005-001.dwg

STRUCTURAL STEEL NOTES:

- (1) ALL STRUCTURAL STEEL AND MIDRANGE METAL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH ALL APPLICABLE PROVISIONS OF THE LATEST: (1) AISC SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS; (2) AISC CODE OF STANARD PRACTICE; (3) SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A307 BOLTS (PRESS.); (4) AISC QUALITY CONNECTION PROGRAM.
- (2) ALL STRUCTURAL STEEL SHALL conform to the following:
 1. STRUCTURAL STEEL SHALL conform to ASTM A36
 2. ALL OTHER STRUCTURAL STEEL SHALL conform to ASTM A572
- (20) ALL WELDING MATERIALS, WELDING PROCEDURES AND QUALIFICATIONS OF WELDING OPERATORS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF AWS D1.1, STRUCTURAL WELDING CODE-SHALL BE PREPARED BY THE AMERICAN WELDING SOCIETY (AWS), WASHINGTON THROUGH CONNECTIONS OF SHEET PILES OR SHEET PILES SHALL ALSO BE IN ACCORDANCE WITH THE LATEST EDITION OF AWS D1.1, SPECIFICATION FOR WELDING SHEET PILES IN STRUCTURES.
- (21) BEAM CONNECTIONS SHALL BE MADE USING THE MAXIMUM NUMBER OF BOLTS OR EQUIVALENT WELDS, FOR EACH BEAM SIDE AS SHOWN IN TABLE 9-2. ALL BOLTED DOUBLE-ANGLE CONNECTIONS OF THE END EXTENSION OF THE AISC MEMBER OF STEEL CONNECTIONS OF THE MEMBER (INCLOR DESIGN), UNLESS OTHERWISE SHOWN OR INDICATED OTHERWISE (INCLOR DESIGN), UNLESS OTHERWISE SHOWN OR INDICATED.
- (22) SHOP AND FIELD PAINTING SHALL BE IN ACCORDANCE WITH CLIENTS SPECIFICATIONS AND/OR AS NOTED ON DRAWINGS.
- (23) MAX GRADING SHALL BE FOR OPENED GALVANIZED RIBBED STEEL TYPE WITH 1 3/8" x 16" BEARING BARS SPACED AT 4"-16" O.C. AND CROSS BARS SPACED AT 4" O.C. UNLESS OTHERWISE NOTED. ALL FLOOR OPENINGS IN GRADING SHALL BE BARRIED.



CONCRETE NOTES:

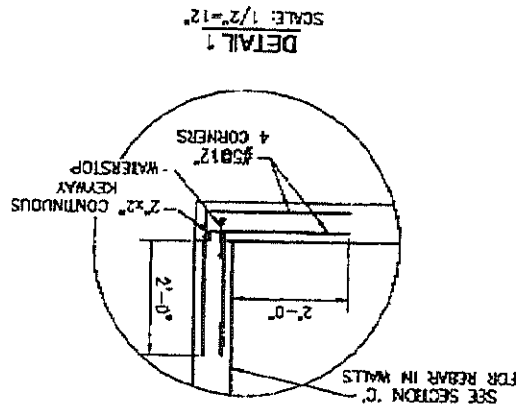
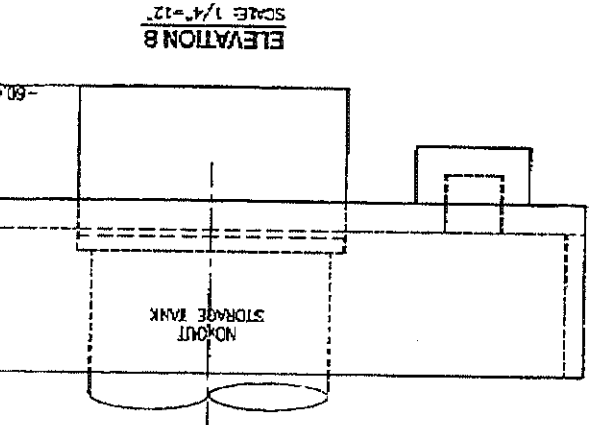
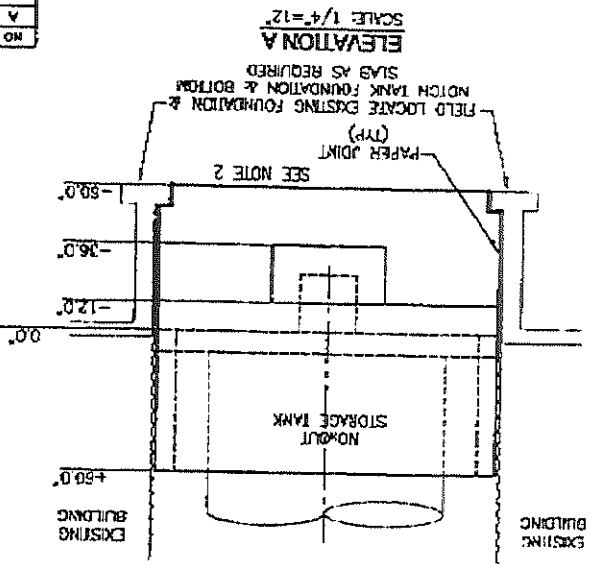
- (1) ALL CONCRETE AND CONCRETE MATERIALS TO BE DESIGNER, MIXED AND PLACED IN ACCORDANCE WITH STANDARDS AND RECOMMENDATIONS OF THE LATEST AIA CODE (BUILDING CODE RECOMMENDATIONS FOR REINFORCED CONCRETE AND AIA SPECIFICATIONS FOR REINFORCED CONCRETE AND AIA CODE SPECIFICATIONS FOR BUILDINGS, AIA 301). [SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS, AIA 301].
- (2) ALL CONCRETE SHALL OBTAIN A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 4000 PSI IN 28 DAYS.
- (3) CONCRETE SHALL BE TYPE I, CONFORMING TO STANDARD SPECIFICATION FOR PORTLAND CEMENT (ASTM C150).
- (4) REINFORCING STEEL BARS SHALL BE NOT GRADE 60 BILLET STEEL, AND SHALL CONFORM TO ASTM DESIGNATION A575.
- (5) REINFORCEMENTS TO BE BENT AND PLACED IN ACCORDANCE WITH AIA CODE AND MARKET FOR WELDING CONCRETE REINFORCEMENT COVER REQUIRED REINFORCING BARS AS SHOWN ON DRAWINGS. THE MINIMUM LAP IS 24 BAR DIAMETERS. PROVIDE HORIZONTAL BENT BARS AT WALL CORNERS IN THE OUTSIDE FACE PROVIDE HOOKED BARS AT THE INTERSECTIONS OF WALLS AND ON INSIDE FACE OF WALL CORNERS.
- (6) ALL WALLS TO BE BRACED UNTIL EXCAVATION IS COMPLETED.
- (7) FOOTINGS TO REST ON SOLID SOIL. NO CONCRETE TO BE PLACED ON FROZEN SOIL, NOR IN WATER.
- (8) FOUNDATIONS ARE DESIGNED FOR 2000 PSF ALLOWABLE SOIL PRESSURE. REQUIREMENTS DEPARTMENT SHALL BE NOTIFIED IF SOIL OR LESSER BEARING CAPACITY IS ENCOUNTERED AT DEPTHS SHOWN ON DRAWINGS.
- (9) SUPPORTS OF ALL FOOTINGS SUPPORTED ON PILES SHALL BE CONTACTED TO USE OF MARKET DESIGNER AT FINAL BASTURE. CONTACT BASED ON LABORATORY DETERMINATION ASTM D1587. ALL BACKFILL AROUND AND ABOVE ALL FOUNDATION ELEMENTS SHALL BE COMPACTED TO 90% OF MAXIMUM DENSITY AT OPTIMAL MOISTURE CONTENT BASED ON LABORATORY DETERMINATION ASTM D1557.
- (10) ALL FOOTINGS SHALL BE PLACED IN ONE CONTINUOUS POUR.
- (11) ALL REINFORCEMENTS METALS SHOWN ON CONCRETE DRAWINGS TO BE FURNISHED AND SET BY THIS CONTRACTOR. ALL STEEL TO CONFORM TO BE ASTM A572.
- (12) CONCRETE CONTRACTOR TO COORDINATE ALL CONCRETE WORK WITH UNDERGROUND PLYING CONDUIT AND OTHER TRADES.
- (13) THE CONTRACTOR SHALL PROVIDE COMPACTED FILL TO UNDERLIE OF FINISHED FLOOR SLAB ON GROUND.
- (14) ALL ELEVATIONS ARE BASED ON 100% BENCH. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, INFORMATION, ELEVATIONS, ETC. AND NOTIFY ENGINEERING DEPARTMENT OF ANY DISCREPANCIES AND INTERFERENCES PRIOR TO DETAILING.
- (15) ALL CONCRETE FOR TANK OR EQUIPMENT TO BE CURED IN CONCRETE BY OTHERS.
- (16) ALL EXPOSED CONCRETE TO HAVE 3/4" CHAMFER UNLESS NOTED.
- (17) CONSTRUCTION JOINTS TO BE USED IN FIELD OF CONTROL JOINTS WHEN NEEDED. CONSTRUCTION JOINT TYPE I IS TYPICAL UNLESS NOTED.

NO	DATE	DESCRIPTION
1	07/12/98	ISSUED FOR BID

799 Broadbank Road, Bldg 3, Suite 100 Clem DM, N. 60137 LSP085F-0004	INTERCOMPARTMENTAL ENGINEERS, INC.
DATE: 07/12/98	SCALE: AS NOTED
DRN BLS APP	APP
CNO	APP

891005-001

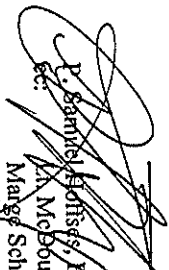
DATE: 07/13/99 FILE: 9910003-C014.DWG



NO.	DATE	DESCRIPTION
A	07/13/99	ISSUED FOR BID

<p>RTI ENGINEERING INC. 755 Rockwood Road, Bldg. 3, Suite 100 Knoxville, TN 37938-0005</p>	<p>REGIONAL WASTE SYSTEMS, INC. NOX STORAGE TANK CONTAINMENT STRUCTURE</p>
<p>DATE: 07/13/99</p>	<p>APP: 9910003-C014</p>
<p>DRW: 013</p>	<p>APP: 9910003-C014</p>
<p>CHKD: 013</p>	<p>APP: 9910003-C014</p>

16. 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 1010.1.1)
17. All vertical openings shall be enclosed with construction having a fire rating of at least one (1) hour, including fire doors with self closer's. (Over 3 stories in height requirements for fire rating is two (2) hours.) (Section 710.0)
18. 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)
19. 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/1996), 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
20. 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. (Interconnection is required) Section 920.3.2. 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)
21. The Fire Alarm System shall maintained to NFPA #72 Standard.
22. The Sprinkler System shall maintained to NFPA #13 Standard.
23. 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/1996)
24. 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"
25. 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.
26. Ventilation shall meet the requirements of Chapter 12 Sections 1210.0 of the City's Building Code. (Crawl spaces & attics).
27. All electrical, plumbing and HVAC permits must be obtained by a Master Licensed holders of their trade. No closing in of walls until all electrical (min. 72 hours notice) and plumbing inspections have been done.
28. All requirements must be met before a final Certificate of Occupancy is issued.
29. 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).
30. 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)
31. Please read and implement the attached Land Use Zoning report requirements.
32. Boring, cutting and notching shall be done in accordance with Sections 2305.4.4, 2305.5.1 and 2305.5.3 of the City's Building Code.
33. Glass and glazing shall meet the requirements of Chapter 24 of the building code.
34. All signage, shall be done in accordance with Section 3102.0 signs of the City's Building Code, (The BOCA National Building Code 1996).
35. _____
36. _____
37. _____
38. _____


 R. Samuel Edittes, Building Inspector
 P.E.
 K. McDonough, P.F.D.
 Marge Schmuekel, Zoning Administrator

PSH 724399

**On the basis of plans submitted and conditions placed on these plans any deviations shall require a separate approval.

COMMENTS

10-2-99 O-d Pre const with Brad from Bancroft He will call when
steels in place For part 18

AR John Fark

10/29/99 checked # 5 net in material

Form up / ~~material~~ ~~at~~ place
ready to pour OK ~~Good~~ TM

Inspection Record

Type

Date

Foundation:

Framing:

Plumbing:

Final:

Other:

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

**Building or Use Permit Pre-Application
Attached Single Family Dwellings/Two-Family Dwelling
Multi-Family or Commercial Structures and Additions Thereto**

In the interest of processing your application in the quickest possible manner, please complete the information below for a Building or Use Permit.

NOTEIf 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 (include Portion of Building)		Sq Blueberry Rd #4103 NW END of Building	
Total Square Footage of Proposed Structure	312	Square Footage of Lot	
Tax Assessor's Chart, Block & Lot Number	Chart# 238 Block# A Lot# 008	Owner:	Regional Waste Systems
Owner's Address:	18 Blueberry Rd	Lessee/Buyer's Name (If Applicable)	
Proposed Project Description: (Please be as specific as possible)	Install a Foundation and 8,000 gnl - 20ft tall tank on Foundation. Install Fill, vent, distribution piping to plant.	Cost of Work:	\$12,500
Contractor's Name, Address & Telephone	Banaret Contracting Corp 23 Phillips Rd So Paris Me 04784	Fee	\$102.00
Current Use:	Pavement/Storage	Proposed Use:	Wx Storage tank 8000gnl

Separate permits are required for Internal & External Plumbing, HVAC and Electrical installation.

- All construction must be conducted in compliance with the 1996 B.O.C.A. Building Code as amended by Section 6-Art II.
 - All plumbing must be conducted in compliance with the State of Maine Plumbing Code.
 - All Electrical Installation must comply with the 1996 National Electrical Code as amended by Section 6-Art III.
 - HVAC(Heating, Ventilation and Air-Conditioning) installation must comply with the 1993 BOCA Mechanical Code.
- You must include the following with your application:

- 1) A Copy of Your Deed or Purchase and Sale Agreement
- 2) A Copy of your Construction Contract, if available
- 3) A Plot Plan/Site Plan

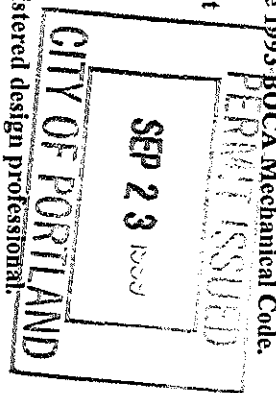
Minor or Major site plan review will be required for the above proposed projects. The attached checklist outlines the minimum standards for a site plan.

4) Building Plans

- Unless exempted by State Law, construction documents must be designed by a registered design professional.
- A complete set of construction drawings showing all of the following elements of construction:
 - Cross Sections w/Framing details (including porches, decks w/ railings, and accessory structures)
 - Floor Plans & Elevations
 - Window and door schedules
 - Foundation plans with required drainage and dampproofing
 - Electrical and plumbing layout. Mechanical drawings for any specialized equipment such as furnaces, chimneys, gas equipment, HVAC equipment (air handling) or other types of work that may require special review must be included.

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/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:	<i>Branley A. Noel</i>	Date:	<i>8-26-99</i>
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Building Permit Fee: \$30.00 for the 1st \$1000 cost plus \$6.00 per \$1,000.00 construction cost thereafter.
Additional Site review and related fees are attached on a separate addendum