

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK  
**CITY OF PORTLAND**

Please Read Application And Notes, if Any, Attached

**BUILDING INSPECTION PERMIT ISSUED**

Permit Number: 030219

MAY 22 2003

This is to certify that Neal Alexandra K / Goduti Building Co.

has permission to Construct "New" Single Family Home,

AT 30 West Shore Dr Great Island

**CITY OF PORTLAND**

083B A002001

provided that the person or persons applying for or accepting this permit shall comply with all of the provisions of the Statutes 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 work on permit must be completed before this building or structure is occupied or otherwise used. OTHERWISE REQUIRED. YOUR NO.

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

*Janice Banks* 5/22/03  
Director - Building & Inspection Services

**PENALTY FOR REMOVING THIS CARD**

Inspections Scheduled For:

10/22/2003

Wednesday

Schedule Inspection

More Information

Scheduling Reports

Close

Check69

Time	Support Staff	Street	Parcel ID	Appl Type	Type
10/22/03		30 WEST SHORE DR	083B A002001	ExtPI	Plumbing Only
6:00 AM	Contact:	Neal Alexandra K	Dana Shae @ 671-3050 for sub surface. GREAT DIAMOND /gg		
	AppID:	20036005			

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

Permit No:	03-0219	Issue Date:	MAY 22 2003	CBL	083B
Owner Address:	1515 Pydra St Ste 1360	Phone:	777-1010		
Contractor Address:	CITY OF PORTLAND	Phone:	2077742753		

Location of Construction: 30 West Shore Dr **GFT BLD**  
 Business Name: Neal Alexandra K  
 Contractor Name: Goduti Building Co.  
 Lessee/Buyer's Name: \_\_\_\_\_  
 Phone: \_\_\_\_\_

Owner Name: Neal Alexandra K  
 Contractor Name: Goduti Building Co.  
 Phone: \_\_\_\_\_  
 Proposed Use: Single Family  
 Past Use: Vacant Lot  
 329-4653  
 Proposed Project Description: Construct "New" Single Family Home, 4,300 SF  
 Permit Type: Single Family  
 Zone: IR-1

Permit Fee: \$4,598.00  
 Cost of Work: \$600,000.00  
 FIRE DEPT:  Approved  Denied  
 Use Group: F3  
 Type: SFB  
 BOCA 1999  
 Signature: *[Signature]* Date: 5/22/03

Signature: \_\_\_\_\_  
 PEDESTRIAN ACTIVITIES DISTRICT (PAD)  
 Action:  Approved  Approved w/Conditions  Denied  
 Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Permit Taken By: *gad* Date Applied For: 03/21/2003  
**Zoning Approval**

- This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.
- Building permits do not include plumbing, septic or electrical work.
  - 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.

Special Zone or Reviews	Zoning Appeal	Historic Preservation
<input checked="" type="checkbox"/> Shoreland <i>100' from H20</i> <input type="checkbox"/> Wetland <input checked="" type="checkbox"/> Flood Zone <i>Shoreline Zone</i> <input type="checkbox"/> Subdivision <input checked="" type="checkbox"/> Site Plan <i>revised on 5/22/03</i> # 2003-0084 Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input checked="" type="checkbox"/> Date: <i>5/22/03</i>	<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 Date: _____	<input checked="" type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date: _____

**PERMIT ISSUED**  
 MAY 22 2003  
 CITY OF PORTLAND

**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  
DEVELOPMENT REVIEW APPLICATION  
PLANNING DEPARTMENT PROCESSING FORM  
Planning Copy

2003-0054

Application I. D. Number

03/21/2003

Application Date

Diamond Cove, Lot #2

Project Name/Description

30 - 30 West Shore Dr, Portland, Maine

Address of Proposed Site

083B A002001

Assessor's Reference: Chart-Block-Lot

Neal Alexandra K

Applicant

1515 Pydrta St Ste 1360, New Orleans , LA 70112

Applicants Mailing Address

Goduti Builders, Inc.

Consultant/Agent

Applicant Ph: (207) 749-3703

Agent Fax:

Applicant or Agent Daytime Telephone, Fax

Proposed Development (check all that apply):

New Building

Building Addition

Change Of Use

Residential

Office

Retail

Manufacturing

Warehouse/Distribution

Parking Lot

Other (specify) \_\_\_\_\_

3698 sq. Ft.

42728 sq. Ft.

Proposed Building square Feet or # of Units

Acreege of Site

Zoning

Check Review Required:

Site Plan  
(major/minor)

Subdivision  
# of lots \_\_\_\_\_

PAD Review

14-403 Streets Review

Flood Hazard

Shoreland

Historic Preservation

DEP Local Certification

Zoning Conditional  
Use (ZBA/PB)

Zoning Variance

Other \_\_\_\_\_

Fees Paid: Site Plan

\$50.00

Subdivision

Engineer Review

\$250.00

Date 03/25/2003

Planning Approval Status:

Approved

Approved w/Conditions  
See Attached

Denied

Reviewer Jay Reynolds

Approval Date 05/07/2003

Approval Expiration 05/07/2004

Extension to \_\_\_\_\_

Additional Sheets  
Attached

OK to Issue Building Permit

Jay Reynolds  
signature

05/07/2003  
date

Performance Guarantee

Required\*

Not Required

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

Performance Guarantee Accepted

date

amount

expiration date

Inspection Fee Paid

date

amount

Building Permit Issue

date

Performance Guarantee Reduced

date

remaining balance

signature

Temporary Certificate of Occupancy

date

Conditions (See Attached)

date

expiration date

Final Inspection

date

signature

Certificate Of Occupancy

date

Performance Guarantee Released

date

signature

Defect Guarantee Submitted

submitted date

amount

expiration date

Defect Guarantee Released

date

signature

Department of Planning & Development  
Lee D. Urban, Director



Division Directors  
Mark B. Adelson  
Housing & Neighborhood Services

## CITY OF PORTLAND

Alexander Q. Jaegerman, AICP  
Planning

John N. Lufkin  
Economic Development

May 7, 2003

Mr. James Fisher  
Northeast Civil Solutions  
153 US Route 1  
Scarborough, ME 04074

RE: Diamond Cove Phase 2, Lot 2 Amendment  
ID #2003-0054, CBL #083BA002

Dear Mr. Fisher:

This letter is to confirm the revision to the approved subdivision plan of the Diamond Cove Phase II Subdivision. The approved revision includes the revised building envelope for lot 2. The revised plan has been reviewed and approved by the project review staff including representatives of the Planning, Public Works, Building Inspections, Fire and Parks Departments. The following conditions apply to this revision approval:

1. Mylar copy of the approved and recorded plan along with 4 paper copies shall be submitted to the planning department.

If you have any questions regarding the revision please contact Jay Reynolds at 874-8632.

Sincerely,

Alexander Jaegerman  
Planning Division Director

cc: Lee D. Urban, Planning and Development Department Director  
Sarah Hopkins, Development Review Services Manager  
Jay Reynolds, Development Review Coordinator  
Marge Schmuckal, Zoning Administrator  
Karen Dunfey, Inspections  
Larry Ash, Traffic Engineer  
Tony Lombardo, Project Engineer  
Eric Labelle, City Engineer  
Jeff Tarling, City Arborist  
Penny Littell, Associate Corporation Counsel  
Lt. Gaylen McDougall, Fire Prevention  
Don Hall, Appraiser, Assessor's Office  
Approval Letter File

O:\PLAN\DEV\REV\W\DIAMOND COVE LOT 2\APPL\LETTER.DOC

# ELECTRICAL PERMIT

## City of Portland, Me.



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

Date 8-20-03  
 Permit # 20034794  
 CBL# 083BA002

LOCATION: 30 West Shore Dr Great Diamond Island  
 METER MAKE & # \_\_\_\_\_  
 CMP ACCOUNT # 441-171-8420-00 OWNER Alex & Brian Neal  
 TENANT \_\_\_\_\_ PHONE # \_\_\_\_\_

						TOTAL EACH FEE		
OUTLETS	94	Receptacles	10	Switches	9	Smoke Detector	20	3260
FIXTURES	50	Incandescent		Fluorescent		Strips	20	10.00
SERVICES		Overhead		Underground		TTL AMPS	<800	15.00
		Overhead		Underground			>800	25.00
Temporary Service		Overhead		Underground		TTL AMPS		25.00
METERS	1	(number of)						25.00
MOTORS		(number of)						1.00
RESID/COM		Electric units						2.00
HEATING		oil/gas units		Interior		Exterior		1.00
APPLIANCES		Ranges		Cook Tops		Wall Ovens		5.00
		Insta-Hot		Water heaters		Fans		2.00
		Dryers		Disposals		Dishwasher		2.00
		Compactors		Spa		Washing Machine		2.00
		Others (denote)						2.00
MISC. (number of)		Air Cond/win				Pools		3.00
		Air Cond/cent				Thermostat		10.00
		HVAC		EMS				5.00
		Signs						10.00
		Alarms/res						5.00
		Alarms/com						15.00
		Heavy Duty(CRKT)						2.00
		Circus/Carnv						25.00
		Alterations						5.00
		Fire Repairs						15.00
		E Lights						1.00
		E Generators						20.00
PANELS		Service		Remote		Main		4.00
TRANSFORMER		0-25 Kva						5.00
		25-200 Kva						8.00
		Over 200 Kva						10.00
		MINIMUM FEE/COMMERCIAL 45.00				TOTAL AMOUNT DUE		74.60
						MINIMUM FEE	35.00	

CONTRACTORS NAME John Bourgh Electric  
 ADDRESS 381 Danforth St  
 TELEPHONE 329-3033  
 MASTER LIC. # 3695  
 LIMITED LIC. # \_\_\_\_\_

SIGNATURE OF CONTRACTOR [Signature]  
 White Copy - Office  
 Yellow Copy - Applicant

Department of Planning & Development  
Lee D. Urban, Director



Division Directors  
Mark B. Adelson  
Housing & Neighborhood Services

## CITY OF PORTLAND

Alexander Q. Jaegerman, AICP  
Planning  
John N. Lufkin  
Economic Development

May 7, 2003

Mr. James Fisher  
Northeast Civil Solutions  
153 US Route 1  
Scarborough, ME 04074

RE: Diamond Cove Phase 2, Lot 2 Amendment  
ID #2003-0054, CBL #083BA002

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Sincerely,

  
Alexander Jaegerman  
Planning Division Director

cc: Lee D. Urban, Planning and Development Department Director  
Sarah Hopkins, Development Review Services Manager  
Jay Reynolds, Development Review Coordinator  
Marge Schmuuckal, Zoning Administrator  
Karen Dumfey, Inspections  
Larry Ash, Traffic Engineer  
Tony Lombardo, Project Engineer  
Eric Labelle, City Engineer  
Jeff Tarling, City Arborist  
Penny Littell, Associate Corporation Counsel  
Lt. Gaylen McDougall, Fire Prevention  
Don Hall, Appraiser, Assessor's Office  
Approval Letter File

O:\PLANDEVREV\W\DIAMOND COVE LOT 2\APPL\LETTER.DOC

STATE OF MAINE  
CUMBERLAND, ss.

AFFIDAVIT OF ALEXANDER Q. JAEGERMAN


Re: Lot #2 Diamond Cove  
Phase 2

I, Alexander Q. Jaegerman, under oath do depose and say:

1. I, Alexander Q. Jaegerman, am Director of the Planning Division for the City of Portland and have been so since **October 2002**. Prior to that I was Chief Planner for the City of Portland (since 1985).
2. In my capacity as Planning Division Director, I am authorized to communicate the City's approval of minor revisions to subdivisions previously approved by the City of Portland.
3. On May 7, 2003 I memorialized the City's approval of a minor revision to Lot #2 Diamond Cove Phase 2 located on Great Diamond Island, Portland, Maine.

Attached is the approval letter documenting the approved revisions.

Dated this 7<sup>th</sup> day of May, 2003.

  
Alexander Q. Jaegerman  
Planning Division Director  
City of Portland

STATE OF MAINE                    )  
  ) ss  
County of Cumberland         )

Dated: \_\_\_\_\_

Personally appeared the above-named Alexander Jaegerman and gave oath that the foregoing statements made by her are true to the best of his knowledge, information and belief, and where based upon information and belief, he believes the same to be true.

Before me,

\_\_\_\_\_  
Attorney-at-Law



LPI SUBSURFACE WASTEWATER INSPECTION PROCEDURE

TOWN \_\_\_\_\_ PERMIT # \_\_\_\_\_ MAP# \_\_\_\_\_ LOT# \_\_\_\_\_

INSTALLER \_\_\_\_\_ CERTIFICATION # \_\_\_\_\_

SEPTIC SYSTEM \_\_\_\_\_ REPLACEMENT SYSTEM \_\_\_\_\_ REPLACEMENT TANK \_\_\_\_\_

HOLDING TANK \_\_\_\_\_ PUMP STATION \_\_\_\_\_ VARIANCE (PLEASE ATTATCH COPY) \_\_\_\_\_

FIRST INSPECTION DATE: \_\_\_ / \_\_\_ / \_\_\_  
YES    NO

- 1) \_\_\_\_\_ The system's footprint is in the correct Location.
- 2) \_\_\_\_\_ Are there any variances.
- 3) \_\_\_\_\_ The bottom of the bed is scarified.

SECOND INSPECTION DATE \_\_\_ / \_\_\_ / \_\_\_

- 4) \_\_\_\_\_ The system is at the correct elevation in accordance to the ERP.
- 5) \_\_\_\_\_ The disposal area is the correct dimensions.
- 6) \_\_\_\_\_ The stone is consistent in **one** size between the sizes of 3/4" and 2 1/2" clean and free from sediment.
- 7) \_\_\_\_\_ Proper number of proprietary devices or chambers are correctly installed.
- 8) \_\_\_\_\_ The stone depth is correct, 7" below, 1" above piping. If a "D" box is used, it is level.
- 9) \_\_\_\_\_ The septic tank is level.
- 10) \_\_\_\_\_ The septic tank is the proper size.
- 11) \_\_\_\_\_ The baffles are installed in the tank.
- 12) \_\_\_\_\_ The bung hole is plugged.
- 13) \_\_\_\_\_ There is correct pitch on the pipe to the tank (1/4 per foot) and from the tank (1/8 per foot).
- 14) \_\_\_\_\_ Solid piping is used from the tank to the bed.
- 15) \_\_\_\_\_ Perforated piping is used in the bed.
- 16) \_\_\_\_\_ Items are frost protected.
- 17) \_\_\_\_\_ Pipe and tank area are free from debris.
- 18) \_\_\_\_\_ Pump station (if used) has been installed properly including the testing of the high-water alarm.
- 19) \_\_\_\_\_ Pipes entering and exiting tank and D-box are sealed. There is a minimum of 8", including cover material, over the hay or filter fabric.
- 20) \_\_\_\_\_ The slope is correct.
- 21) \_\_\_\_\_ The curtain drain is installed, if necessary.
- 22) \_\_\_\_\_
- 23) \_\_\_\_\_

APPROVED BY LPI \_\_\_\_\_ DATE \_\_\_\_\_

DEPARTMENT OF HUMAN SERVICES  
DIVISION OF HEALTH ENGINEERING  
ATTACH TO TOWN COPY OF PERMIT

Applicant: Goduti Bldg Co. G#2 Date: 3/26/03

Address: 30 West Shore Drive C-B-L: 06B-A-002  
Get S. I. S. and  
CHECK-LIST AGAINST ZONING ORDINANCE

Date - New

Zone Location - ~~IR-1~~ IR-1

Interior of corner lot -

Proposed Use/Work - Construct New Single Family home

Sewage Disposal - Private

Lot Street Frontage - 100' in  $\approx$  218' shown

Front Yard - 30' min - 30' to front property line

Rear Yard - 30' min - 100' to stairs shown

Side Yard - 20' min - 39' on left - 20' on right for detached shed

Projections - Detached shed 12' x 12' - Eight side chimney - front covered porch  
Width of Lot - 100' in  $\approx$  218' shown FEAR FAMILY ROOM WITH REAR PORCH

Height - 35' MAX - 30.5' to ridge

Lot Area - 40,000 sq ft  $\approx$  42728 sq ft

Lot Coverage/ Impervious Surface - 20% MAX  $\approx$  8545.6 sq ft MAX  $\approx$  144  
Area per Family - 16' x 24' = 384

Off-street Parking - 2 Req. - 1 garage plus 1 other  $\approx$  903 x 17 = 1277.80

Loading Bays - N/A  $\approx$  135 x 28 = 378  
 $\approx$  16 x 50 = 800

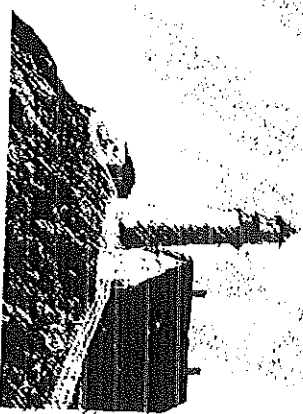
Site Plan - ~~Drawn~~  $\approx$  35 x 39 = 1365

Shoreland Zoning/ Stream Protection - 75' min - 100' to stairs are shown  $\approx$  3198.80

Flood Plains - Panel B - Zone C

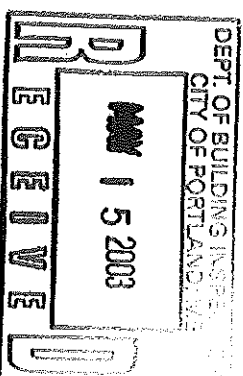
No kitchen facilities are allowed in the Guest Suite or covered  
2nd floor office. Need a Home occupation if more than a residential office.

# Calendar Island Architects, Inc.



## MEMO:

Date: May 15, 2003  
 TO: Jeanie Bourke  
 Inspections Office  
 City of Portland, Maine  
 FROM: William Pogar, A.I.A., N.C.A.R.B.  
 Calendar Island Architects

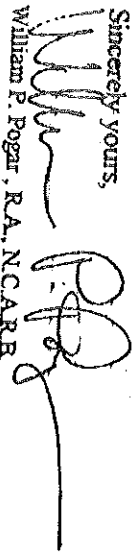


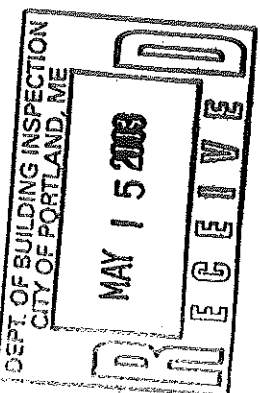
RE: Neal Residence  
 30 West Shore Drive  
 Great Diamond Island  
 Responses to May 15, 2003  
 Building Permit Review items

Dear Jeanie,  
 The following responses are information requested by you during our phone call today so a permit may be issued for the above noted project. The items you requested are as follows:

- #1. Window Schedule revisions: Windows labelled "R" at Alex Neal's tub area will be noted as tempered glass units due the fact that the tub can be located within 36" of the window. Currently, windows in the optional sleeping area of the Guest House have at least 5.7 sq ft in the bottom sash, as required by code, for egress.
- #2. Stair rise and run will be no more than a 7.71" rise, nor less than a 10.5" tread. Spacing between balusters will have less than a 4" net opening. Handrail/guardrail height will be 36", per our discussion. Minimum 6'8" head clearance will be maintained.
- #3. Calendar Island Architects notes that the City Of Portland currently operates under the 1999 BOCA code, not 1996.

Thank you for your assistance. Please call if you have any additional concerns or comments.

Sincerely yours,  
  
 William P. Pogar, R.A., N.C.A.R.B.



152 Fogg Road, Scarborough, ME 04074 Tel. 207.885.9133 Fax. 207.885.5533 Email: wpogar@aol.com

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

Neal Alexandra K  
Applicant

1515 Pydra St Ste 1360, New Orleans, LA 70112

Applicant's Mailing Address

Goduti Builders, Inc.

Consultant/Agent

Applicant P#: (207) 749-3703

Agent Fax:

Applicant or Agent Daytime Telephone, Fax

Proposed Development (check all that apply):

Manufacturing  Warehouse/Distribution  Parking Lot

3698 sq. Ft.

42728 sq. Ft.

Proposed Building square Feet or # of Units

Acreege of Site

Zoning

2003-0054  
Application I. D. Number  
03/21/2003  
Application Date  
30 - 30 West Shore Dr, Portland, Maine  
Address of Proposed Site  
083B A002001  
Assessor's Reference: Chart-Block-Lot  
Diamond Cove, Lot #2  
Project Name/Description

Check Review Required:

- Site Plan (major/minor)  Subdivision # of lots  PAD Review  14-403 Streets Review
- Flood Hazard  Shoreland  Historic Preservation  DEP Local Certification
- Zoning Conditional Use (ZBA/PB)  Zoning Variance  Other (specify) \_\_\_\_\_

Fees Paid: Site Plan \$50.00 Subdivision \$250.00 Engineer Review \$250.00 Date: 03/25/2003

**DRC Approval Status:**

- Approved
- Approved w/Conditions See Attached
- Denied

Reviewer Jay Reynolds

Approval Date 05/07/2003

Approval Expiration 05/07/2004

Extension to

Additional Sheets Attached

Condition Compliance Jay Reynolds signature

05/07/2003 date

Performance Guarantee  Required\*  Not Required

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

Performance Guarantee Accepted

\_\_\_\_\_ date \_\_\_\_\_ amount \_\_\_\_\_ expiration date

Inspection Fee Paid \_\_\_\_\_ date \_\_\_\_\_ amount \_\_\_\_\_ expiration date

Building Permit Issued \_\_\_\_\_ date \_\_\_\_\_ amount \_\_\_\_\_ expiration date

Performance Guarantee Reduced \_\_\_\_\_ date \_\_\_\_\_ remaining balance \_\_\_\_\_ signature \_\_\_\_\_ expiration date

Temporary Certificate of Occupancy \_\_\_\_\_ date \_\_\_\_\_ Conditions (See Attached) \_\_\_\_\_ signature \_\_\_\_\_ expiration date

Final Inspection \_\_\_\_\_ date \_\_\_\_\_ signature \_\_\_\_\_ expiration date

Certificate Of Occupancy \_\_\_\_\_ date \_\_\_\_\_ signature \_\_\_\_\_ expiration date

Performance Guarantee Released \_\_\_\_\_ date \_\_\_\_\_ signature \_\_\_\_\_ expiration date

Defect Guarantee Submitted \_\_\_\_\_ date \_\_\_\_\_ amount \_\_\_\_\_ expiration date

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

2003-0054

Application I, D. Number

03/21/2003

Application Date

Neal Alexandra K

Applicant

1515 Pydra St Ste 1360, New Orleans, LA 70112

Applicant's Mailing Address

Goduti Builders, Inc.

Diamond Cove, Lot #2  
Project Name/Description

Consultant/Agent

30 - 30 West Shore Dr, Portland, Maine

Address of Proposed Site

Applicant Ph: (207) 749-3703

Agent Fax:

083B A002001

Applicant or Agent Daytime Telephone, Fax

Assessor's Reference: Chart-Block-Lot

Approval Conditions of DRC

- 1 PRIOR TO SOIL DISTURBANCE, THE APPLICANT SHALL INSTALL THE APPROPRIATE EROSION CONTROL MEASURES,
- 2 The landscaping as shown on the approved site plan must be planted on your street frontage prior to issuance of a Certificate of Occupancy.
- 3 Your new street address is now #30 WEST SHORE DRIVE, the number must be displayed on the street frontage of your house prior to issuance of a Certificate of Occupancy.
- 4 The Development Review Coordinator (874-8632) 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 The Development Review Coordinator reserves the right to require additional lot grading or other drainage improvements as necessary due to field conditions.
- 6 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.
- 7 All Site Work will conform to the City of Portland ordinance on Shoreland Regulations (Division 26).



STATE OF MAINE  
DEPARTMENT OF HUMAN SERVICES  
BUREAU OF HEALTH, DIVISION OF HEALTH ENGINEERING  
161 CAPITOL STREET  
11 STATE HOUSE STATION  
AUGUSTA, MAINE  
04333-0011


JOHN R. NICHOLAS  
COMMISSIONER

JOHN ELIAS BALDACCI

GOVERNOR

June 7, 2004

TO: Local Plumbing Inspectors  
Voluntarily Certified System Installers

FROM: Russell G. Martin, PE   
Program Director, Wastewater & Plumbing Control Program

RE: Acceptance of Signed Affidavit in Lieu of Site Preparation Inspection

The use of a signed affidavit from the system installer in place of a physical site preparation inspection by the Local Plumbing Inspector was acknowledged by the Wastewater & Plumbing Control Program in our memo of September 6, 2002 in response to concerns that some LPIs would not be able to conduct the prep inspection in a timely manner. The following is an excerpt from that memo.

- 6. The LPI may accept the Department's form HHE-2384 "Statement of Rule Compliance" in lieu of conducting a site preparation inspection if the contractor possesses a current voluntary certification from the Department and the LPI is unable to complete the site preparatory inspection to their satisfaction.*

As the HHE-2384 is a generic affidavit, we have prepared a form specific to this particular application. The HHE-238-B, or Affidavit of Site Preparation can be signed by both system installer and LPI and will provide a record for both parties that the requirements of Section 11.5.1 of the Rules has been met. Please begin using this form immediately and retain a copy for your records. Submission of a copy to the State is not required. If you have any questions please call me at 287-4735.

PHONE: (207) 287-5338  
TTY: Deaf/Hard of Hearing (207) 287-5550

FAX: Admin./Plumbing/Eating & Lodging: (207) 287-3165  
Drinking Water: (207) 287-4172  
Radiation Control: (207) 287-3059

**Wastewater & Plumbing Control Program  
Division of Health Engineering  
Maine Department of Human Services**

**AFFIDAVIT OF SITE PREPARATION**

This affidavit is to be completed by a certified system installer and submitted to the Local Plumbing Inspector to document compliance with Section 111.5.1 of the Maine Subsurface Wastewater Disposal Rules, 144 CMR 241. *Permission to utilize this document in lieu of a site preparation inspection by the Local Plumbing Inspector must be verified when the permit is issued.* This affidavit is *not* to be utilized in place of the system inspection described in Section 111.5.2 of the Rules.

INSTALLER NAME: \_\_\_\_\_

(Please Print)

CERTIFICATION NUMBER: \_\_\_\_\_

SSWD PERMIT NUMBER: \_\_\_\_\_

PERMIT ISSUE DATE: \_\_\_\_\_

PROPERTY OWNER NAME: \_\_\_\_\_

PROPERTY ADDRESS: \_\_\_\_\_

MUNICIPALITY: \_\_\_\_\_

By signing and submitting this document to the Local Plumbing Inspector, I certify that all construction activities noted in **Section 111.5.1** including removal of all vegetation from the disposal field area and fill extensions as specified in **Section 801.3**; roughening of the ground surface as specified in **Section 801.4**; establishment of a transitional horizon as specified in **Section 801.5**; and placement of erosion control devices as specified in **Section 801.2** have been completed in full compliance with the Maine Subsurface Wastewater Disposal Rules, 144 CMR 241 for the referenced SSWD permit.

INSTALLER SIGNATURE: \_\_\_\_\_

DATE SUBMITTED: \_\_\_\_\_

By signing and accepting this document from the Certified Installer, I acknowledge that a site preparation inspection was not conducted for the referenced SSWD permit.

LPI SIGNATURE: \_\_\_\_\_

ACCEPTANCE DATE: \_\_\_\_\_

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services  
Division of Health Engineering, Section 10, SHS  
12071 287-5672 FAX 12071 287-4172

PROPERTY LOCATION >> Caution: Permit Required - Attach in Space Below <<

City, Town, or Plantation <b>PORTLAND (GREAT DIAMOND ISLAND)</b>	Street or Road <b>WEST SHORE DRIVE</b>	Subdivision, Lot # <b>LOT 2, DIAMOND COVE</b>	OWNER/APPLICANT INFORMATION <b>BYRON &amp; ALEX NEAL</b> NORTHEAST CIVIL SOLUTIONS 123 US ROUTE 1 SCARBOROUGH, ME 04074	PORTLAND Date Permit Issued: <b>5/22/03</b> Local Plumbing Inspector Signature: <i>Ronnie Bonke</i> 2003-6005	8456 TOWN COPY \$1000.00 FEE CHANGED L.P.I. # 07132
Home (Inst. In st. Mail) <b>NEAL</b>	Appl. # <b>883-1000</b>	Daytime Tel. # <b>883-1000</b>	Signature of Owner/Applicant <b>BYRON &amp; ALEX NEAL</b>	Municipal Tax Map - <b>Lot #</b>	Double Fee Changed

**Owner or Applicant Statement**  
I state and acknowledge 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.

**Caution: Inspections Required**  
I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application.

(1st) Date Approved: \_\_\_\_\_  
(2nd) Date Approved: \_\_\_\_\_

Local Plumbing Inspector Signature: \_\_\_\_\_ Date: \_\_\_\_\_

<b>TYPE OF APPLICATION</b> 1. <input checked="" type="checkbox"/> First Time System 2. <input type="checkbox"/> Replacement System Type Replaced: _____ Year Installed: _____ 3. <input type="checkbox"/> Expanded System a. <input type="checkbox"/> Minor Expansion b. <input type="checkbox"/> Major Expansion 4. <input type="checkbox"/> Environmental System 5. <input type="checkbox"/> Seasonal Conversion	<b>THIS APPLICATION REQUIRES</b> 1. <input checked="" type="checkbox"/> No Rule Variance 2. <input type="checkbox"/> First Time System Variance a. <input type="checkbox"/> Local Plumbing Inspector Approval b. <input type="checkbox"/> State & Local Plumbing Inspector Approval 3. <input type="checkbox"/> Replacement System Variance a. <input type="checkbox"/> Local Plumbing Inspector Approval b. <input type="checkbox"/> State & Local Plumbing Inspector Approval 4. <input type="checkbox"/> Minimum Lot Size Variance 5. <input type="checkbox"/> Seasonal Conversion Approval	<b>DISPOSAL SYSTEM COMPONENTS</b> 1. <input checked="" type="checkbox"/> Complete Non Engineered System 2. <input type="checkbox"/> Primitive Systems (Gravity and all toilet) 3. <input type="checkbox"/> Alternative Tank, specialty 4. <input type="checkbox"/> Non Engineered Treatment Tank (soak) 5. <input type="checkbox"/> Holding Tank 6. <input type="checkbox"/> Non Engineered Disposal Field (soak) 7. <input type="checkbox"/> Separated Onsite System 8. <input type="checkbox"/> Engineered Engineered (4, 5, 6, 7, 8, 9) 9. <input type="checkbox"/> Engineered Treatment Tank (soak) 10. <input type="checkbox"/> Engineered Treatment Field (soak) 11. <input type="checkbox"/> Dis. Treatment, specialty 12. <input type="checkbox"/> Other alternative component
<b>SIZE OF PROPERTY</b> 42,728 sq. ft. SHORELAND ZONING <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>DISPOSAL SYSTEM TO SERVE</b> 1. <input checked="" type="checkbox"/> Single Family Dwelling Unit, No. of Bedrooms: 4 2. <input type="checkbox"/> Multiple Family Dwelling, No. of Units: _____ 3. <input type="checkbox"/> Other: _____ SPECIFY: _____ Current Use: <input type="checkbox"/> Seasonal <input type="checkbox"/> Year Round <input checked="" type="checkbox"/> Undeveloped	<b>TYPE OF WATER SUPPLY</b> 1. <input type="checkbox"/> Drilled Well 2. <input type="checkbox"/> Dug Well 3. <input type="checkbox"/> Private 4. <input type="checkbox"/> Public 5. <input type="checkbox"/> Other: _____

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

<b>TREATMENT TANK</b> 1. <input checked="" type="checkbox"/> Concrete a. <input type="checkbox"/> Regular b. <input type="checkbox"/> Low Profile 2. <input type="checkbox"/> Plastic 3. <input type="checkbox"/> Other: _____ CAPACITY: 1000 gallons	<b>DISPOSAL FIELD TYPE &amp; SIZE</b> 1. <input type="checkbox"/> Stone Bed 2. <input type="checkbox"/> Stone Trench 3. <input type="checkbox"/> Proprietary Device a. <input type="checkbox"/> Cluster array c. <input type="checkbox"/> Linear b. <input type="checkbox"/> Regular d. <input type="checkbox"/> 11-20 bedded 4. <input type="checkbox"/> Other: _____ SIZE: 1296 sq. ft. (11in. ft) 27 ELJEN IN-DRAIN UNITS	<b>GARBAGE DISPOSAL UNIT</b> 1. <input checked="" type="checkbox"/> No 3. <input type="checkbox"/> Maybe 2. <input type="checkbox"/> Yes - Specify one below: a. <input type="checkbox"/> Multi compartment tank b. <input type="checkbox"/> Tanks in series c. <input type="checkbox"/> Increase in tank capacity d. <input type="checkbox"/> Filter on tank outlet
<b>SOIL DATA &amp; DESIGN CLASS</b> PROFILE CONDITION DESIGN 3 C 1 AT (Open within 100' TP 1 & 2 Depth 24 OF MOST MATERIAL: Silt Clay	<b>DISPOSAL FIELD SIZING</b> 1. <input type="checkbox"/> Small 2. <input type="checkbox"/> sq. ft./gpd 2. <input type="checkbox"/> Medium 2.5 sq. ft./gpd 3. <input type="checkbox"/> Medium Large 3.3 sq. ft./gpd 4. <input type="checkbox"/> Large 4.1 sq. ft./gpd 5. <input type="checkbox"/> Very Large 5.0 sq. ft./gpd	<b>PUMPING</b> 1. <input type="checkbox"/> Not required 2. <input type="checkbox"/> May be required 3. <input type="checkbox"/> Required - specify only the engineered or environmental system: PROP: 75-100 collapse
<b>DESIGN FLOW</b> 360 gallons per day FAST FLOW 1. <input checked="" type="checkbox"/> Table (all (including upstairs) 2. <input type="checkbox"/> Table (not (not for all) Apply to all (if allow) for other facilities	<b>DISPOSAL FIELD SIZING</b> 1. <input type="checkbox"/> Not required 2. <input type="checkbox"/> May be required 3. <input type="checkbox"/> Required - specify only the engineered or environmental system: PROP: 75-100 collapse	<b>DESIGN FLOW</b> 4 BEDROOMS AT 90 GALLONS PER DAY EACH= 360 GPD

**SITE EVALUATOR STATEMENT**  
 I certify that on 1/13/03 I have completed a site evaluation on the property and state that the data reported in \_\_\_\_\_ can be used for the proposed system in compliance with the Subsurface Wastewater Disposal Rules (10 M.A.S. MR 243)  
 Albert Frick  
 Site Evaluator Signature  
 SE \*  
 Date 1/21/2003

ALBERT FRICK (207) 839-5563 ALBERTFRICK@WORLDNET.NE.T  
 Site Evaluator Name Printed Telephone Number E-mail Address  
 ALBERT FRICK ASSOCIATES - 95A COUNTY ROAD GORHAM, MAINE 04098 - (207) 839-5568  
 Note: Changes to or deviations from the design should be confirmed with the Site Evaluator

083 BA 002



# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

State Department of Human Services  
 Division of Health, Food & Safety  
 207, 287-5672  
 207, 287-5672

Town, City, Plantation  
**PORTLAND (GREAT DIAMOND ISLAND)**

Street, Road Subdivision  
**WEST SHORE DRIVE**

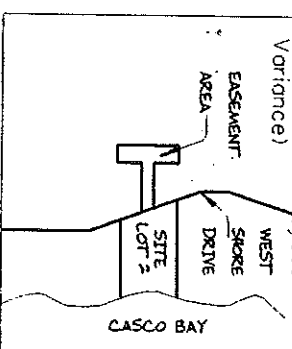
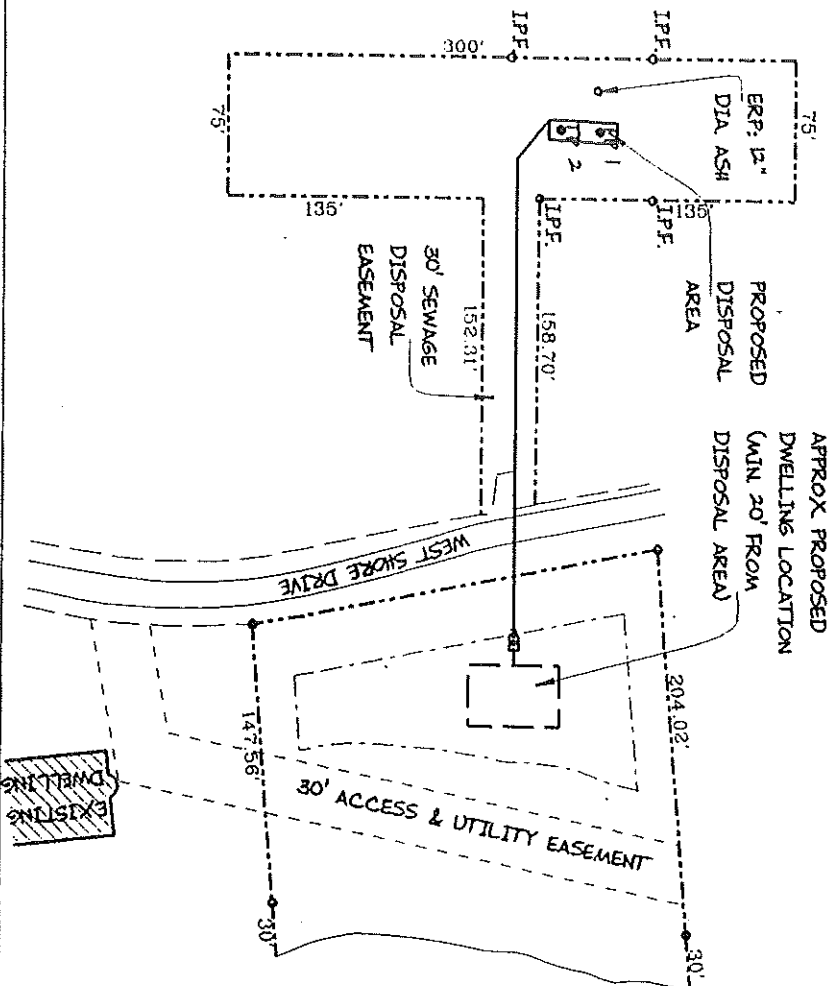
Owner's Name  
**BYRON & ALEX NEAL (MCS)**

SITE PLAN

Scale 1" = 100 Ft.  
 of as shown

SITE LOCATION PLAN

(Attach Map from Maine Atlas for New System Variance)



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

Observation Hole **TP 1**  Test Pit  Boring  
 Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)	Texture	Consistency	Color	Mottling
0-10	SANDY LOAM		DARK BROWN	
10-20	COBBLY SANDY LOAM	FRIABLE	DARK YELLOWISH BROWN	
20-30	COBBLY LOAMY SAND	FIRM	LIGHT BROWN	FEW FAINT
30-40	LIMIT OF EXCAVATION			

Soil Horstic/ation	Slope	Limiting Factor	<input type="checkbox"/> Ground Water Restrictive Layer
3	C	24-	<input type="checkbox"/> Bedrock
ly file	Condition		<input type="checkbox"/> Pit Depth

Observation Hole **TP 2**  Test Pit  Boring  
 Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)	Texture	Consistency	Color	Mottling
0-10	SANDY LOAM		DARK BROWN	
10-20	SANDY LOAM	FRIABLE	DARK YELLOWISH BROWN	
20-30	GRAVELLY SANDY LOAM	FIRM	LIGHT BROWN	FEW FAINT
30-40	LIMIT OF EXCAVATION			

Soil Classification	Slope	Limiting Factor	<input type="checkbox"/> Ground Water Restrictive Layer
3	C	24-	<input type="checkbox"/> Bedrock
Profile	Condition		<input type="checkbox"/> Pit Depth

Site Evaluator Signature  
*Albert Frick*

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1/21/2003

Page 2 of 3  
 HIE-200 Rev. 1/01

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Town, City, Plantation

Street, Road, Subdivision

Maine Department of Human Services  
 Division of Health Engineering, Section 10-SHS  
 (207) 287-5672 FAX (207) 287-4172

PORTLAND (GREAT DIAMOND ISLAND)

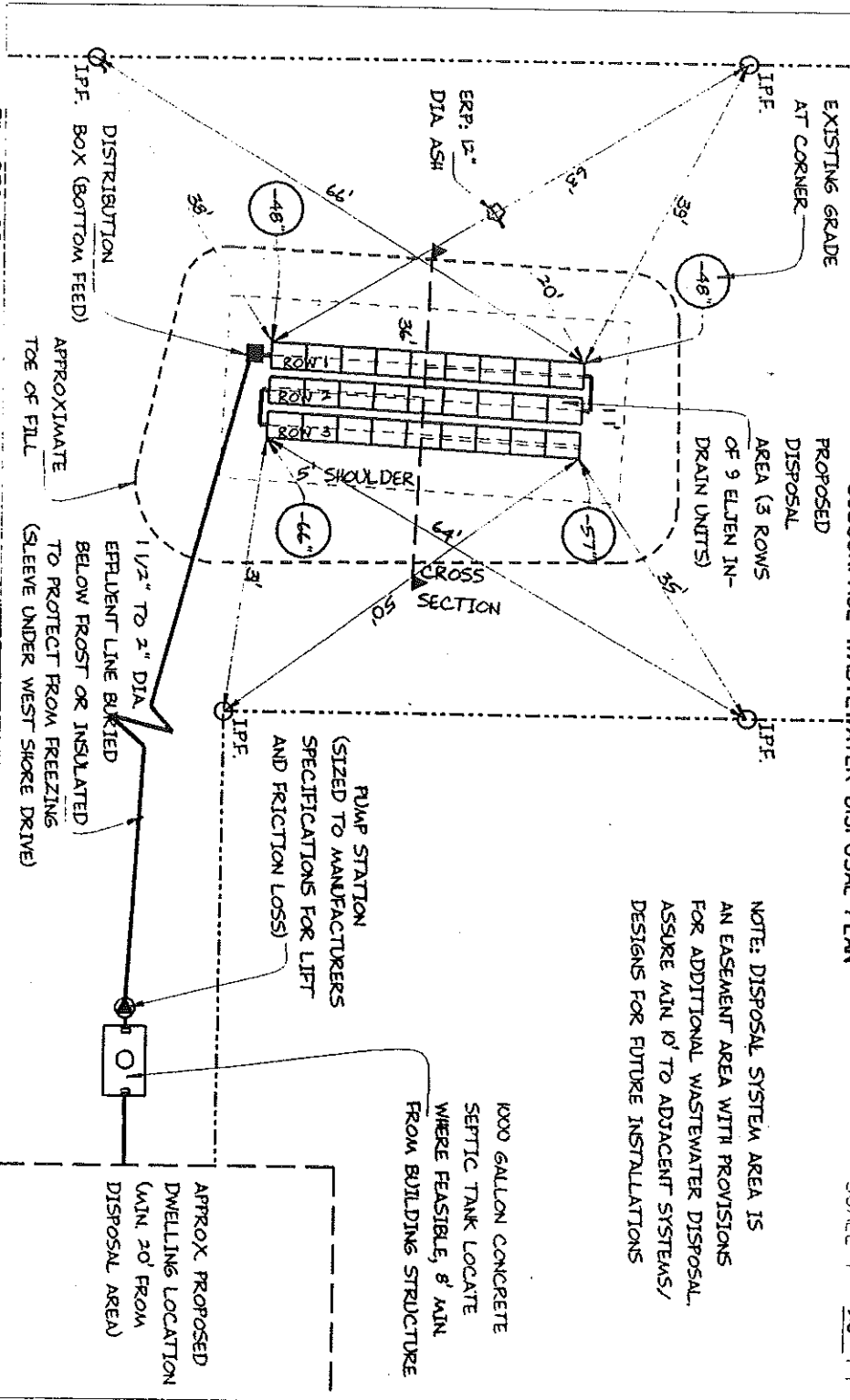
WEST SHORE DRIVE

Owner's Name  
**BYRON & ALEX NEAL**

## SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE 1" = 20' FT

NOTE: DISPOSAL SYSTEM AREA IS AN EASEMENT AREA WITH PROVISIONS FOR ADDITIONAL WASTEWATER DISPOSAL. ASSURE AIN (U) TO ADJACENT SYSTEMS/ DESIGNS FOR FUTURE INSTALLATIONS



### FILL REQUIREMENTS

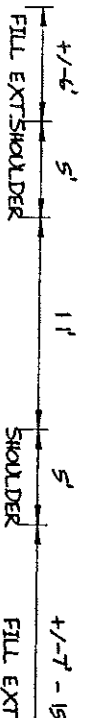
Depth of Fill (slope) : 17"  
 Depth of Fill (Downslope) : 20" - 29"  
 DEPTHS AT CROSS-SECTION (shown below)

### CONSTRUCTION ELEVATIONS

Finished Grade Elevation  
 Top of [ ] Proprietary Device  
 Bottom of [ ] Disposal Area

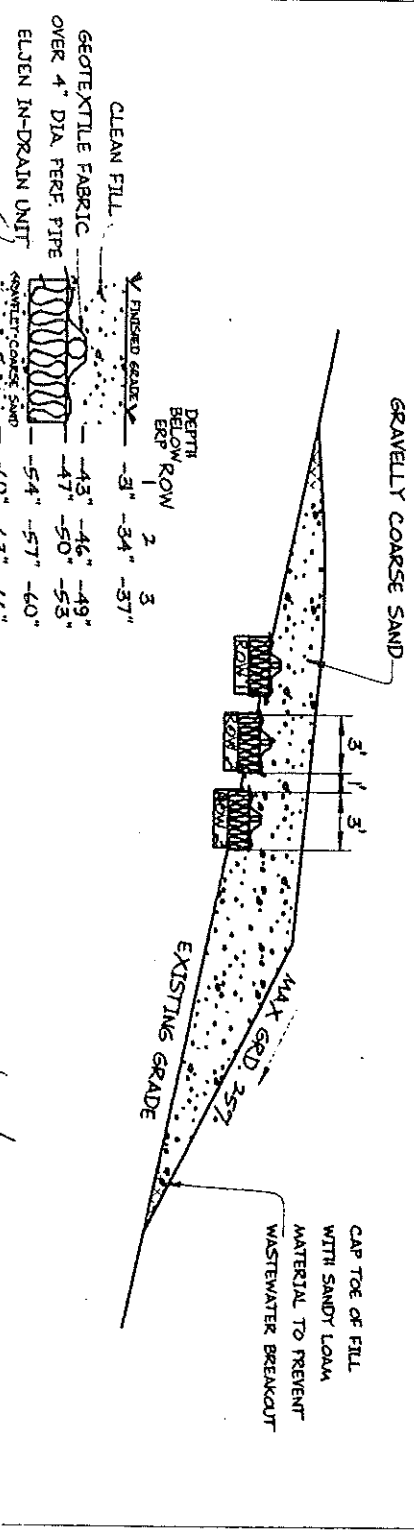
SEE DETAIL BELOW  
 ELEVATION REFERENCE POINT  
 Location & Description NAIL 2.5" ABOVE  
 BASE OF 1.2" DIA. ASH  
 Reference Elevation is 0.0' or -----

### DISPOSAL AREA CROSS SECTION



### SCALE:

VERTICAL: 1" = 5 FT  
 HORIZONTAL: 1" = 10 FT



Site Evaluator Signature

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1/21/2003

Page 3 of 3  
 Date  
 Title: 2003 Proj. 10.1



**Albert Frick Associates, Inc.**

Soil Scientists & Site Evaluators

95A County Road Corham, Maine 04008

(207) 839-5563

PORTLAND LOT# 2  
GREAT DIAMOND ISLAND DIAMOND COVE NEAL (FORNCS/GOBUTT)  
TOWN LOCATION 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.

ATTACHMENT TO SUBSURFACE WASTEWATER DISPOSAL APPLICATION

PORTLAND LOT #2  
GREAT DIAMOND ISLAND DIAMOND COVE NEAL (for NCS/bedout)  
TOWN LOCATION APPLICANT'S NAME

- 6) The septic tank should be pumped within two years of installation and subsequently as recommended by the pump service, but in no event should the septic tank be pumped less often than once every three years.
- 7) The actual water flow or number of bedrooms shall not exceed the design criteria indicated on this application without a re-evaluation of the system as proposed. If the system is supplied by public water or a private service with a water meter, the water consumption per period should be divided by the number of days to calculate the average daily water consumption (water usage (cu. ft.) x 7.48 cu. ft. (gallons per cu. ft.) ÷ # of days in period).
- 8) The general minimum setbacks between a well and septic system serving a single family residence is 100-300 feet, unless the local municipality has a more stringent requirement. A well installed by an abutter within the minimum setback distances prior to the issuance of a permit for the proposed disposal system may void this design.
- 9) When a gravity system is proposed: **BEFORE CONSTRUCTION/INSTALLATION BEGINS**, the system installer or building contractor shall review the elevations of all points given in this application and the elevation of the existing and/or proposed building drain and septic tank inverts for compatibility to minimum slope requirements. In gravity systems, the invert of the septic tank(s) outlet(s) shall be at least 4 inches above the invert of the distribution box outlet at the disposal area. When an effluent pump is required, provisions shall be made to make certain that surface ground water does not enter the septic tank or pump station. An alarm device warning of a pump failure shall be installed. Also, when pumping is required to a chamber system, install a "T" connection in the distribution box and place 3 inches of stone or a splash plate in the first chamber. Insulate gravity pipes, pump lines and the distribution box as necessary to prevent freezing.
- 10) On all systems, remove the vegetation, organic duff and old fill material from under the disposal area and any fill extension. On sites where the proposed system is to be installed in natural soil, scarify the bottom and sides of the excavated disposal area with a rake. Do not use wheeled equipment on the scarified soil surface. For systems installed in fill, scarify the native soil by rototilling to a depth of at least 8 inches over the entire disposal and fill extension area to prevent glazing and to promote fill bonding. Place fill in loose layers no deeper than 8 inches and compact thoroughly before placing more fill (this ensures that voids and loose pockets are eliminated to minimize the chance of leakage). Do not use wheeled equipment on the scarified soil area until after 12 inches of fill is in place. Keep equipment off the chambers. Direct the surface water away from the disposal area by ditching or shallow swales.
- 11) Unless noted otherwise, fill shall be gravelly coarse sand which contains no more than 5% fines (silt and clay).
- 12) Do not install systems on loamy, silty, or clayey soils during wet periods since soil smearing/glazing may seal off the soil interface.
- 13) Seed all filled and disturbed surfaces with perennial grass seed, then mulch with hay or equivalent material to prevent erosion.

# SUBSURFACE WASTEWAHER DISPOSAL SYSTEM APPLICATION

Division of Health Engineering, Station 10 515  
1207 287-8672 FAX (207) 287-4172

PROPERTY LOCATION		City, Town or Plantation: <b>PORTLAND (GREAT DIAMOND ISLAND)</b>	
Street or Road: <b>WEST SHORE DRIVE</b>		Subdivision, Lot #: <b>LOT 2, DIAMOND COVE</b>	
OWNER/APPLICANT INFORMATION		Name (last, first, MI): <b>BYRON &amp; ALEX NEAL</b>	
Home Address: <b>153 US ROUTE</b>		City/State: <b>NORTHEAST CIVIL SOLUTIONS</b>	
Municipal Address: <b>SCARBOROUGH, ME 04074</b>		Phone: <b>883-1000</b>	
Daytime Tel. #:		Municipal Tax Map #:	
Owner or Applicant Statement		Caution: Inspections Required	
I state and acknowledge 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.		I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application.	
Signature of Owner/Applicant		Date	
Date		Local Plumbing Inspector Signature	
Date		Date	

2003-6005  
0838-A-002  
PERMIT # 8456  
\$1101010  
FEE CHANGED  
L.P.I. # 017312

<b>TYPE OF APPLICATION</b> 1. <input checked="" type="checkbox"/> First Time System 2. <input type="checkbox"/> Replacement System Type Replaced: _____ Year Installed: _____ 3. <input type="checkbox"/> Expanded System a. <input type="checkbox"/> Minor Expansion b. <input type="checkbox"/> Major Expansion 4. <input type="checkbox"/> Experimental System 5. <input type="checkbox"/> Seasonal Conversion  <b>SIZE OF PROPERTY</b> 42,728 sq. ft.	<b>THIS APPLICATION REQUIRES</b> 1. <input checked="" type="checkbox"/> No Rule Variance 2. <input type="checkbox"/> First Time System Variance a. <input type="checkbox"/> Local Plumbing Inspector Approval b. <input type="checkbox"/> State & Local Plumbing Inspector Approval 3. <input type="checkbox"/> State & Local Plumbing Inspector Variance a. <input type="checkbox"/> Local Plumbing Inspector Approval b. <input type="checkbox"/> State & Local Plumbing Inspector Approval 4. <input type="checkbox"/> Minimum Lot Size Variance 5. <input type="checkbox"/> Seasonal Conversion Approval  <b>DISPOSAL SYSTEM TO SERVE</b> 1. <input checked="" type="checkbox"/> Single Family Dwelling (incl. 1st, 2nd, 3rd floors) 2. <input type="checkbox"/> Multiple Family Dwelling, 1st or 2nd flrs. 3. <input type="checkbox"/> Other: _____ Current Use <input type="checkbox"/> Seasonal <input type="checkbox"/> Year Round <input checked="" type="checkbox"/> Undeveloped SPECIFY _____	<b>DISPOSAL SYSTEM COMPONENTS</b> 1. <input checked="" type="checkbox"/> Complete Non Engineered System 2. <input type="checkbox"/> Primitive System (gravity flow & all tanks) 3. <input type="checkbox"/> Alternative Trench, gravity 4. <input type="checkbox"/> Non Engineered Treatment Tank (only) 5. <input type="checkbox"/> Holding Tank 6. <input type="checkbox"/> Non Engineered Inground Field (only) 7. <input type="checkbox"/> Separated Leach & System 8. <input type="checkbox"/> Complete Engineered System (Septic) 9. <input type="checkbox"/> Engineered Inground Treatment Tank (only) 10. <input type="checkbox"/> Inground or In-ground Field (only) 11. <input type="checkbox"/> Pre-Installed, specify _____ 12. <input type="checkbox"/> Other, otherwise, specify _____  <b>TYPE OF WATER SUPPLY</b> 1. <input type="checkbox"/> Drilled Well 2. <input type="checkbox"/> Dug Well 3. <input type="checkbox"/> Private 4. <input checked="" type="checkbox"/> Public 5. <input type="checkbox"/> Other: _____
---	--	--

<b>TREATMENT TANK</b> 1. <input checked="" type="checkbox"/> Concrete a. <input type="checkbox"/> Regular b. <input type="checkbox"/> Low Profile 2. <input type="checkbox"/> Plastic 3. <input type="checkbox"/> Other: _____ options CAPACITY: 1000 gallons	<b>DISPOSAL FIELD TYPE &amp; SIZE</b> 1. <input type="checkbox"/> Stone Bed 2. <input type="checkbox"/> Stone Trench 3. <input type="checkbox"/> Proprietary Device a. <input type="checkbox"/> Cluster array c. <input type="checkbox"/> Linear b. <input checked="" type="checkbox"/> Regular d. <input type="checkbox"/> 111-20 loaded 4. <input type="checkbox"/> Other: _____ SIZE: 1296 sq. ft. (111 ft. x 27 ft.) <b>27 ELTEN IN-DRAIN UNITS</b>	<b>GARBAGE DISPOSAL UNIT</b> 1. <input checked="" type="checkbox"/> No 3. <input type="checkbox"/> Maybe 2. <input type="checkbox"/> Yes Specify one below: a. <input type="checkbox"/> Multi compartment tank b. <input type="checkbox"/> _____ tanks in series c. <input type="checkbox"/> Increase in tank capacity d. <input type="checkbox"/> Filter on tank outlet	<b>DESIGN FLOW</b> 360 gallons per day 4 BEDROOMS AT 90 GALLONS PER DAY EACH= 360 GPD
<b>SOIL DATA &amp; DESIGN CLASS</b> PROFILE CONDITION DESIGN 3 C 1 AT Observation Hole TP 1 & 2 Depth 24" AT MOST HAZARDOUS SOIL FACTOR	<b>DISPOSAL FIELD SIZING</b> 1. <input type="checkbox"/> Small - 2.0 sq.ft./gpd 2. <input type="checkbox"/> Medium - 2.5 sq.ft./gpd 3. <input checked="" type="checkbox"/> Medium Large - 3.3 sq.ft./gpd 4. <input type="checkbox"/> Large - 4.1 sq.ft./gpd 5. <input type="checkbox"/> Very Large - 5.0 sq.ft./gpd	<b>PUMPING</b> 1. <input type="checkbox"/> Not required 2. <input type="checkbox"/> May be required 3. <input checked="" type="checkbox"/> Required specify only for authorized or experimental systems PUMP: 75-100 GPD	<b>SITE EVALUATOR STATEMENT</b> I certify that on 1/13/03 I have completed a site evaluation on the property and state that the data reported to you is true and that the proposed system is in compliance with the Subsurface Wastewater Disposal Rules (10 MARS CMR 21B)

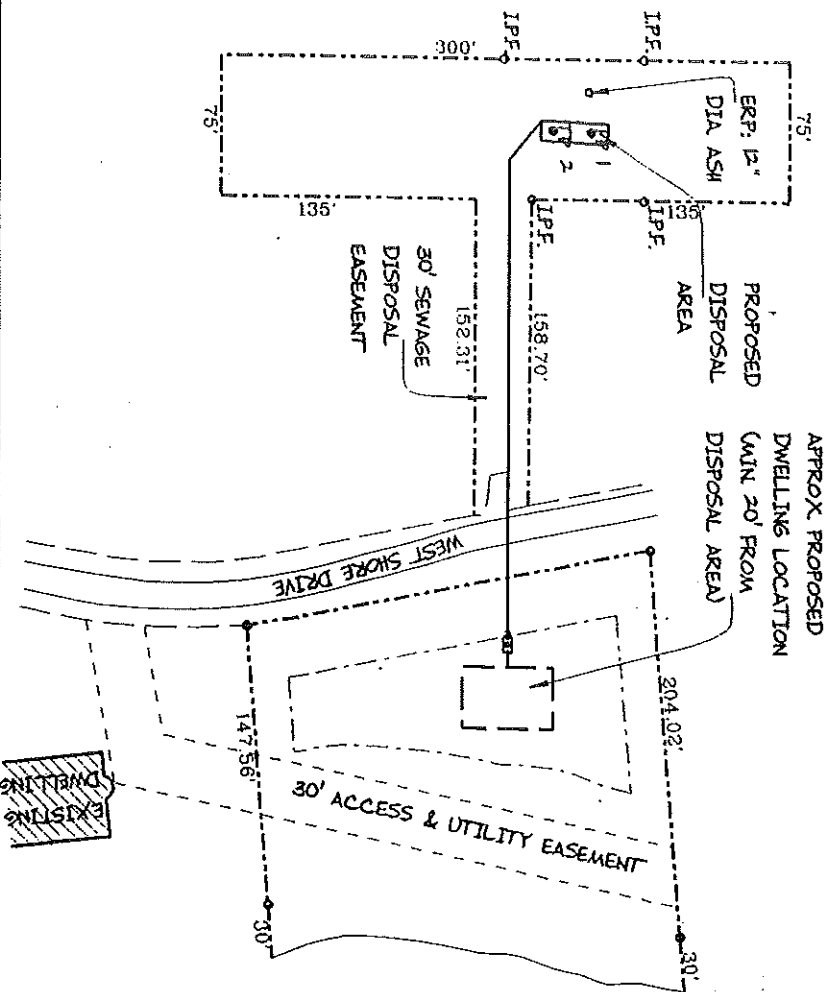
Albert Frick  
Site Evaluator Signature

1/21/2003  
Date

ALBERT FRICK  
Site Evaluator Name Printed  
 Telephone Number (207) 839-5263  
 E-mail Address ALBERTFRICK@WORLDNETATTN.NET  
 ALBERT FRICK ASSOCIATES - 884 COUNTY ROAD GORHAM, MAINE 04038 - (207) 839-5583  
 Note: Changes to or deviations from the design should be confirmed with the Site Evaluator  
 HHE - 200 Rev. 8/01

**SITE PLAN**

Scale 1" = 100 Ft.  
 of as shown



**SITE LOCATION PLAN**  
 (Attach Map from Maine Atlas for New System Variance)  
 WEST SHORE DRIVE  
 SITE LOT 2  
 CASCO BAY

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

Observation Hole TP 1		Test Pit		Boring	
Depth of Organic Horizon Above Mineral Soil		Depth of Organic Horizon Above Mineral Soil		Depth of Organic Horizon Above Mineral Soil	
0	Texture	Consistency	Color	Mottling	
0	SANDY LOAM		DARK BROWN		
10	COBBLE SANDY LOAM	FRIABLE	DARK YELLOWISH-BROWN		
30	COBBLE SANDY SAND	FIRM	LIGHT BROWN	FEW FAINT	
LIMIT OF EXCAVATION					
40					
50					

Observation Hole TP 2		Test Pit		Boring	
Depth of Organic Horizon Above Mineral Soil		Depth of Organic Horizon Above Mineral Soil		Depth of Organic Horizon Above Mineral Soil	
0	Texture	Consistency	Color	Mottling	
0	SANDY LOAM		DARK BROWN		
10	SANDY LOAM	FRIABLE	DARK YELLOWISH-BROWN		
30	GRAVELLY SANDY LOAM	FIRM	LIGHT BROWN	FEW FAINT	
LIMIT OF EXCAVATION					
40					
50					

Soil Classification: 3  
 Condition: C  
 Slope: 24-  
 Limiting Factor: 24-  
 Ground Water Restrictive Layer  
 Pit Depth

Soil Classification: 3  
 Condition: C  
 Slope: 24-  
 Limiting Factor: 24-  
 Ground Water Restrictive Layer  
 Pit Depth

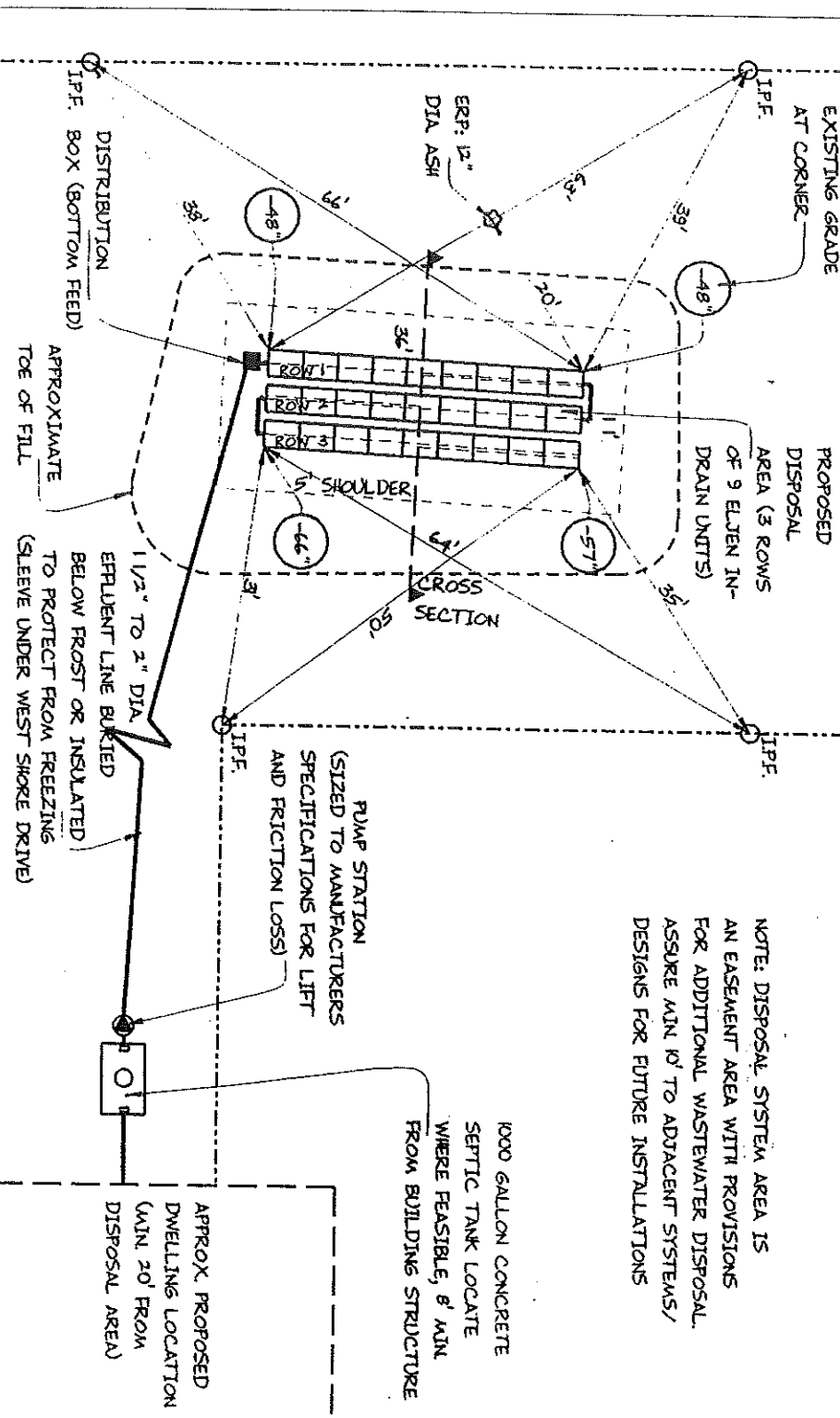
Site Evaluator Signature  
*Albert Erick*

SE • 163

Date: 1/21/2003

**SUBSURFACE WASTEWATER DISPOSAL PLAN**

NOTE: DISPOSAL SYSTEM AREA IS AN EASEMENT AREA WITH PROVISIONS FOR ADDITIONAL WASTEWATER DISPOSAL. ASSURE MIN 10' TO ADJACENT SYSTEMS/DESIGNS FOR FUTURE INSTALLATIONS



**FILL REQUIREMENTS**

Depth of Fill (Slope) : 17"  
 Depth of Fill (Downslope) : 20" - 29"  
 DEPTHS AT CROSS-SECTION (shown below)

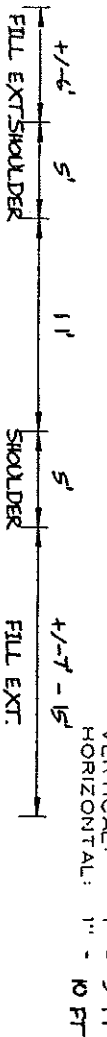
**CONSTRUCTION ELEVATIONS**

Finished Grade Elevation  
 Top of Proprietary Device  
 Bottom of Disposal Area

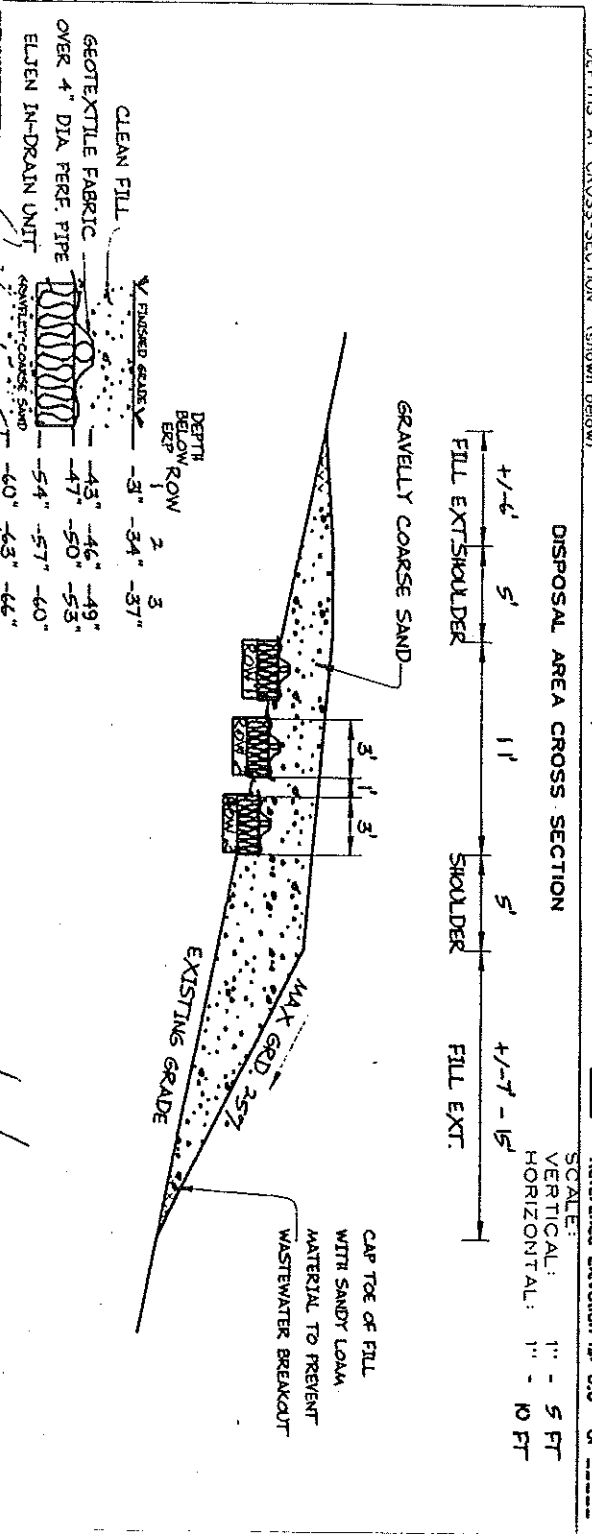
**ELEVATION REFERENCE POINT**

SEE DETAIL BELOW  
 Location & Description NAIL 2 1/2" ABOVE BASE OF 12" DIA ASH  
 Reference Elevation is: 0.0' or -----

**DISPOSAL AREA CROSS SECTION**



SCALE:  
 VERTICAL: 1" = 5 FT  
 HORIZONTAL: 1" = 10 FT



Site Evolution Signature

163 SE \*

Date 1/21/2003

Page 3 of 3  
 100% 200 Pa. 10.0



**Albert Frick Associates, Inc.**

Soil Scientists & Site Evaluators

655A County Road 1 Corham, Maine 04088

(207) 849-5563

PORTLAND

LOT # 2

GREAT DIAMOND ISLAND

DIAMOND COVE

LOCATION

NEAL (FORNOS/GOBETT)

APPLICANT'S NAME

TOWN

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.



ATTACHMENT TO SUBSURFACE WASTEWATER DISPOSAL APPLICATION

PORTLAND LOT #2  
GREAT DIAMOND ISLAND DIAMOND COVE NEAL (for NCS/GOBOTS)  
TOWN LOCATION APPLICANT'S NAME

- 6) The septic tank should be pumped within two years of installation and subsequently as recommended by the pump service, but in no event should the septic tank be pumped less often than once every three years.
- 7) The actual water flow or number of bedrooms shall not exceed the design criteria indicated on this application without a re-evaluation of the system as proposed. If the system is supplied by public water or a private service with a water meter, the water consumption per period should be divided by the number of days to calculate the average daily water consumption (water usage (cu. ft.) x 7.48 cu. ft. (gallons per cu. ft.) ÷ # of days in period).
- 8) The general minimum setbacks between a well and septic system serving a single family residence is 100-300 feet, unless the local municipality has a more stringent requirement. A well installed by an abutter within the minimum setback distances prior to the issuance of a permit for the proposed disposal system may void this design.
- 9) When a gravity system is proposed: **BEFORE CONSTRUCTION/INSTALLATION BEGINS**, the system installer or building contractor shall review the elevations of all points given in this application and the elevation of the existing and/or proposed building drain and septic tank inverts for compatibility to minimum slope requirements. In gravity systems, the invert of the septic tank(s) outlet(s) shall be at least 4 inches above the invert of the distribution box outlet at the disposal area. When an effluent pump is required, provisions shall be made to make certain that surface ground water does not enter the septic tank or pump station. An alarm device warning of a pump failure shall be installed. Also, when pumping is required to a chamber system, install a "T" connection in the distribution box and place 3 inches of stone or a splash plate in the first chamber. Insulate gravity pipes, pump lines and the distribution box as necessary to prevent freezing.
- 10) On all systems, remove the vegetation, organic duff and old fill material from under the disposal area and any fill extension. On sites where the proposed system is to be installed in natural soil, scarify the bottom and sides of the excavated disposal area with a rake. Do not use wheeled equipment on the scarified soil surface. For systems installed in fill, scarify the native soil by rototilling to a depth of at least 8 inches over the entire disposal and fill extension area to prevent glazing and to promote fill bonding. Place fill in loose layers no deeper than 8 inches and compact thoroughly before placing more fill (this ensures that voids and loose pockets are eliminated to minimize the chance of leakage). Do not use wheeled equipment on the scarified soil area until after 12 inches of fill is in place. Keep equipment off the chambers. Direct the surface water away from the disposal area by ditching or shallow swales.
- 11) Unless noted otherwise, fill shall be gravelly coarse sand which contains no more than 5% fines (silt and clay).
- 12) Do not install systems on loamy, silty, or clayey soils during wet periods since soil smearing/glazing may seal off the soil interface.
- 13) Seed all filled and disturbed surfaces with perennial grass seed, then mulch with hay or equivalent material to prevent erosion.