SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

PROPERTY LOCATION

>> Caution: Permit Required – Attach In Space Below <<

City, Town, or Plantation	ARUNDEL
Street or Road	182 MAPLEWOOD DRIVE
Subdivision, Lot #	

ARUNDEL Date Permit Issued: 12 6 04 — 1933 — $ 17 50 TOWN COPY — ☐ If Double Fee FEE Charged

Local Plumbing Inspector Signature — L.P.I. # 607

OWNER/APPLICANT INFORMATION

Name (last, first, MI)	BATES	LARRY
Owner / Applicant		
Mailing Address of ■ Owner ☐ Applicant	182 MAPLEWOOD DRIVE	
	ARUNDEL, ME 04046	
Daytime Tel. #	284-6054	

Municipal Tax Map # 17 Lot # 14-19

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.

Signature of Owner/Applicant — Date

Caution: Inspections Required

I have inspected the installation authr[illegible] and found it to be in compliance with the Subsurface Wastewater Disp

Local Plumbing Inspector Signat

PERMIT INFORMATION

TYPE OF APPLICATION

1. ☐ First Time System
2. ■ Replacement System
   Type Replaced: PLASTIC CHAMBER
   Year Installed: 1999-2000
3. ☐ Expanded System
   a. ☐ Minor Expansion
   b. ☐ Major Expansion
4. ☐ Experimental System
5. ☐ Seasonal Conversion

THIS APPLICATION REQUIRES

1. ■ No Rule Variance
2. ☐ First Time System Variance
   a. ☐ Local Plumbing Inspector Approval
   b. ☐ State & Local Plumbing Inspector Approval
3. Replacement System Variance
   a. ☐ Local Plumbing Inspector Approval
   b. ☐ State & Local Plumbing Inspector Approval
4. ☐ Minimum Lot Size Variance
5. ☐ Seasonal Conversion Approval

SIZE OF PROPERTY

1.2 ☐ sq. ft. ■ acres

SHORELAND ZONING

☐ Yes ■ No

DISPOSAL SYSTEM TO SERVE

1. ■ Single Family Dwelling Unit, No. of Bedrooms: 4
2. ☐ Multiple Family Dwelling, No of Units: _____
3. ☐ Other: _____ SPECIFY

Current Use ☐ Seasonal ■ Year Round ☐ Undeveloped

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE)

TREATMENT TANK

EXISTING
1. ■ Concrete
   a. ■ Regular
   b. ☐ Low Profile
2. ☐ Plastic
3. ☐ Other: _____

CAPACITY 1000 gallons

DISPOSAL FIELD TYPE & SIZE

1. ☐ Stone Bed 2. Stone Trench
3. ■ Proprietary Device
   a. ☐ Cluster array c. ■ Linear
   b. ■ Regular d. ☐ H-20 loaded
4. ☐ Other:

SIZE 1200 ■ sq. ft. ☐ lin. ft.
24 PLASTIC CHAMBER UNITS

GARBAGE DISPOSA

1. ■ No 3. ☐ Mayl
2. ☐ Yes >> Specify
   a. ☐ Multi-compartm
   b. ☐ _____ tanks in
   c. ☐ Increase in tanl
   d. ☐ Filter on tank c

SOIL DATA & DESIGN CLASS

SEE MONITORING WELL RESULTS
PROFILE / CONDITION / DESIGN
7 / D/C / 3

T Observation Hole # _____
epth 12 "
F MOST LIMITING SOIL FACTOR

DISPOSAL FIELD SIZING

1. ☐ Small - 2.0 sq.ft./gpd
2. ☐ Medium - 2.6 sq.ft./gpd
3. ■ Medium-Large - 3.3 sq.ft./gpd
4. ☐ Large - 4.1 sq.ft./gpd
5. ☐ Extra-Large - 5.0 sq.ft./gpd

PUMPING

1. ■ Not required
2. ☐ May be required
3. ☐ Required >>Specify only for engineered or experimental systems:

DOSE: Gallons

5. ☐ Section 503.0 (meter readings)
ATTACH WATER-METER DATA

SITE EVALUATOR STATEMENT

I certify that on 9/30/04 (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

163 — SE #

10/13/2004 — Date

ALBERT FRICK — Site Evaluator Name Printed

(207) 839-5563 — Telephone Number

ALBERTFRICK@WORLDNET.ATT.NET — E-mail Address

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

Note: Changes to or deviations from the design should be confirmed with the Site Evaluator

HHE-200 Rev 8/01

ARUNDEL
----- R E C E I P T -----
--- R E P R I N T ---

DATE: 12/06/04 RECEIPT: 5709

TIME: 11:12 TELLER: ANN

NAME: BATES, LARRY

REPLACEMENT SYSTEM.....

TYPE: PLUMBING PERMITS.....

REF: PP04-1933
CONTROL#1 017-014-19

SEPTIC.... 75.00

TOTAL... 75.00 **

CHECK... 75.00
CHECK# 005655

SLM

PAM

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

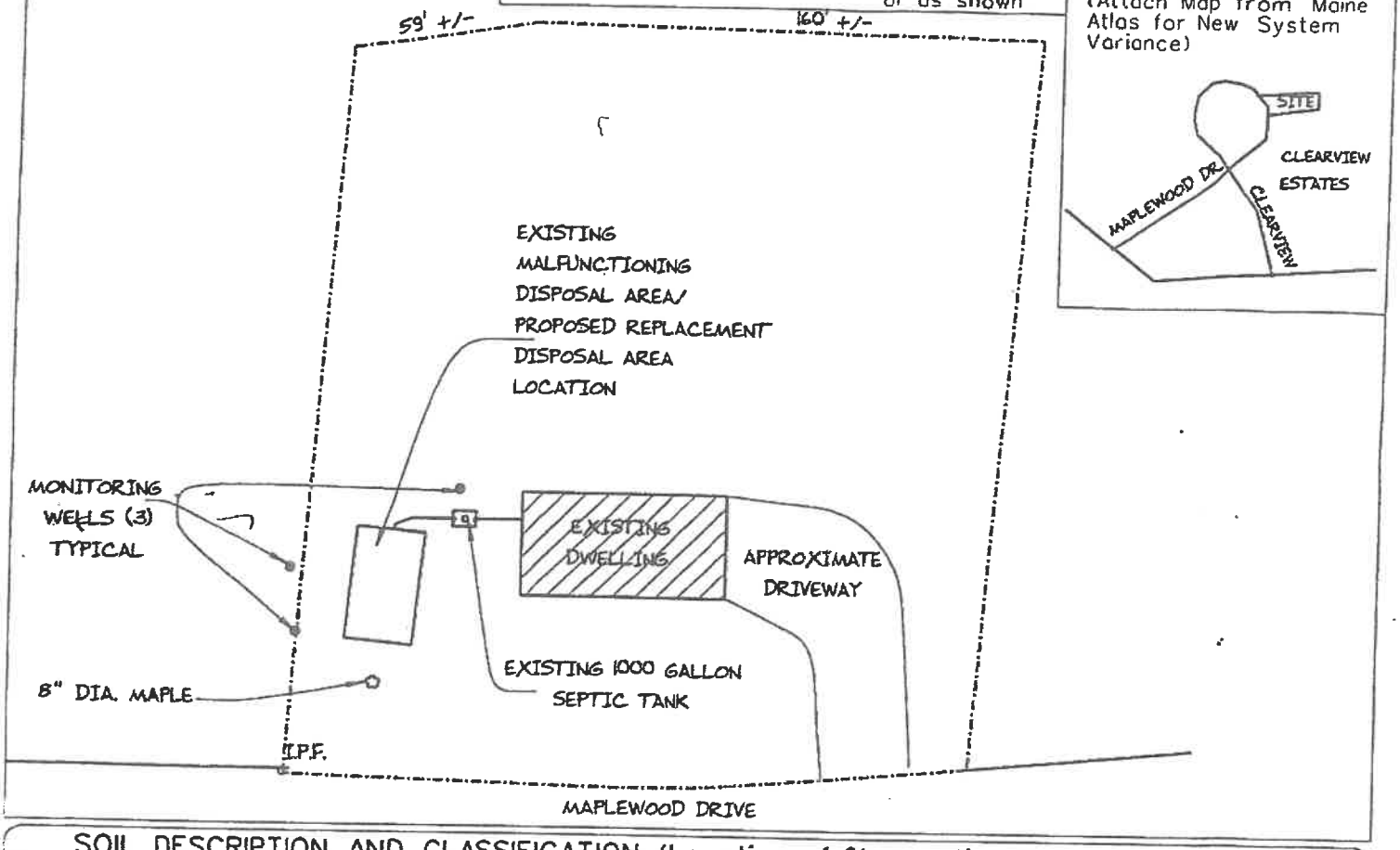
Maine Department of Human Services
Division of Health Engineering, Station 10 SHS
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Town, City, Plantation: ARUNDEL

Street, Road Subdivision: 182 MAPLEWOOD DRIVE

Owner's Name: LARRY BATES

SITE PLAN — Scale 1" = 60 Ft. or 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 _____ ☐ Test Pit ☐ Boring

_____" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)	Texture	Consistency	Color	Mottling
0				
10				
20	SEE GROUNDWATER MONITORING REPORT AND DIVISION OF HEALTH ENGINEERING APPROVAL			
30				
40				
50				

Soil Classification	Slope	Limiting Factor	
7 (Profile) D/C (Condition)	____ %	12"	■ Ground Water ☐ Restrictive Layer ☐ Bedrock ☐ Pit Depth

Observation Hole _____ ☐ Test Pit ☐ Boring

_____" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)	Texture	Consistency	Color	Mottling
0				
10				
20				
30				
40				
50				

Soil Classification	Slope	Limiting Factor	
(Profile) (Condition)	____ %	—	☐ Ground Water ☐ Restrictive Layer ☐ Bedrock ☐ Pit Depth

Albert Frick
Site Evaluator Signature

163
SE •

10/13/2004
Date

ALBERT FRICK ASSOCIATES – 95A COUNTY ROAD ROAD GORHAM, MAINE 04038 – (207) 839-5563

ATTACHMENT TO SUBSURFACE WASTEWATER DISPOSAL APPLICATION

ARUNDEL	182 MAPLEWOOD DRIVE	LARRY BATES
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 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.) divided by the # 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 requirement. 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 of 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 roto-tilling 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 that 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. Divert 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 that 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

Albert Frick Associates, Inc.
Soil Scientists & Site Evaluators
95A County Road Gorham, Maine 04038

7/28/05 1500 gallon ut (3ED)

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Town, City, Plantation	Street, Road, Subdivision	Owner's Name
ARUNDEL	182 MAPLEWOOD DRIVE	LARRY BATES

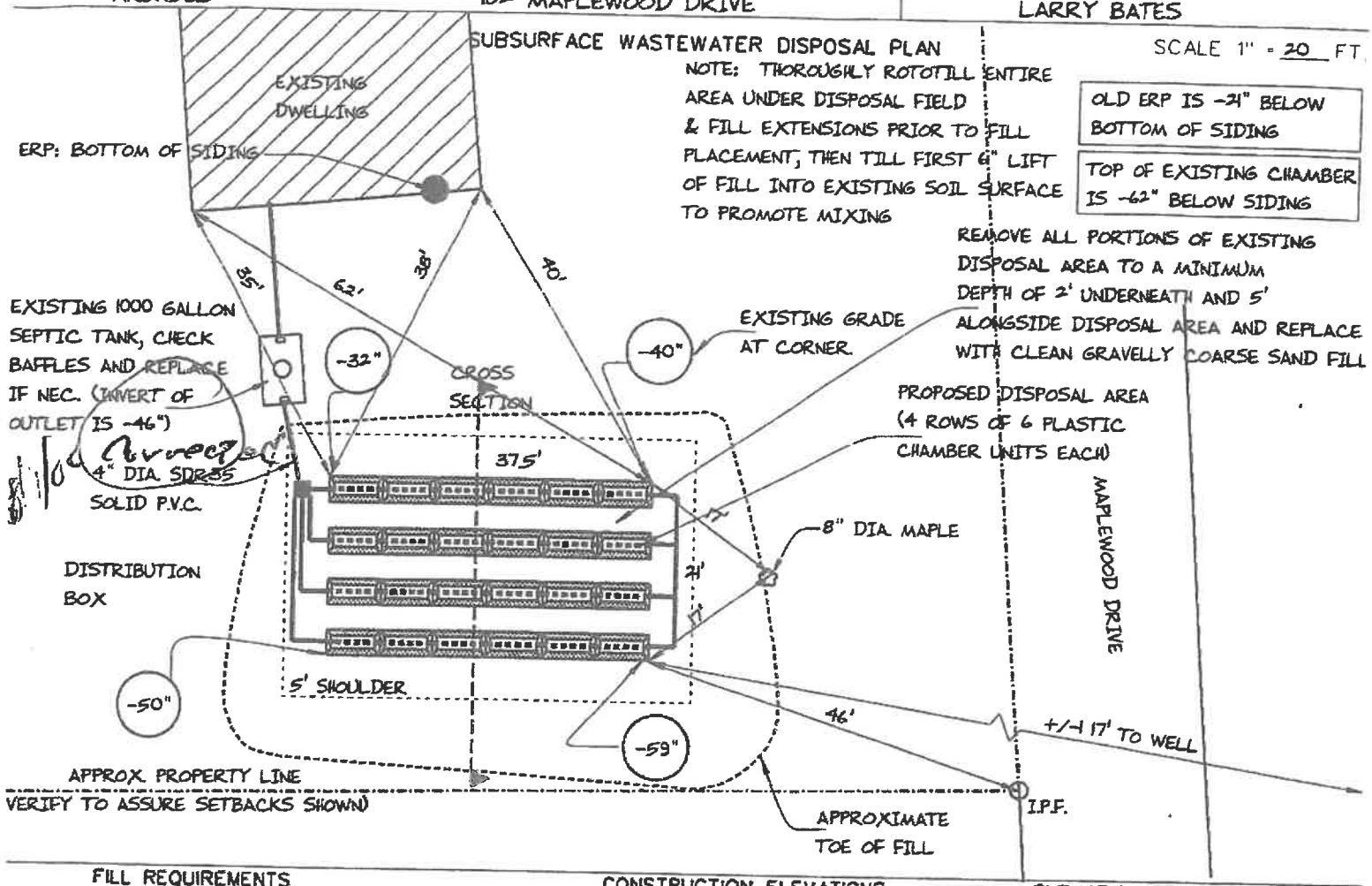
SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE 1" = 20 FT

NOTE: THOROUGHLY ROTOTILL ENTIRE AREA UNDER DISPOSAL FIELD & FILL EXTENSIONS PRIOR TO FILL PLACEMENT, THEN TILL FIRST 6" LIFT OF FILL INTO EXISTING SOIL SURFACE TO PROMOTE MIXING

OLD ERP IS -21" BELOW BOTTOM OF SIDING

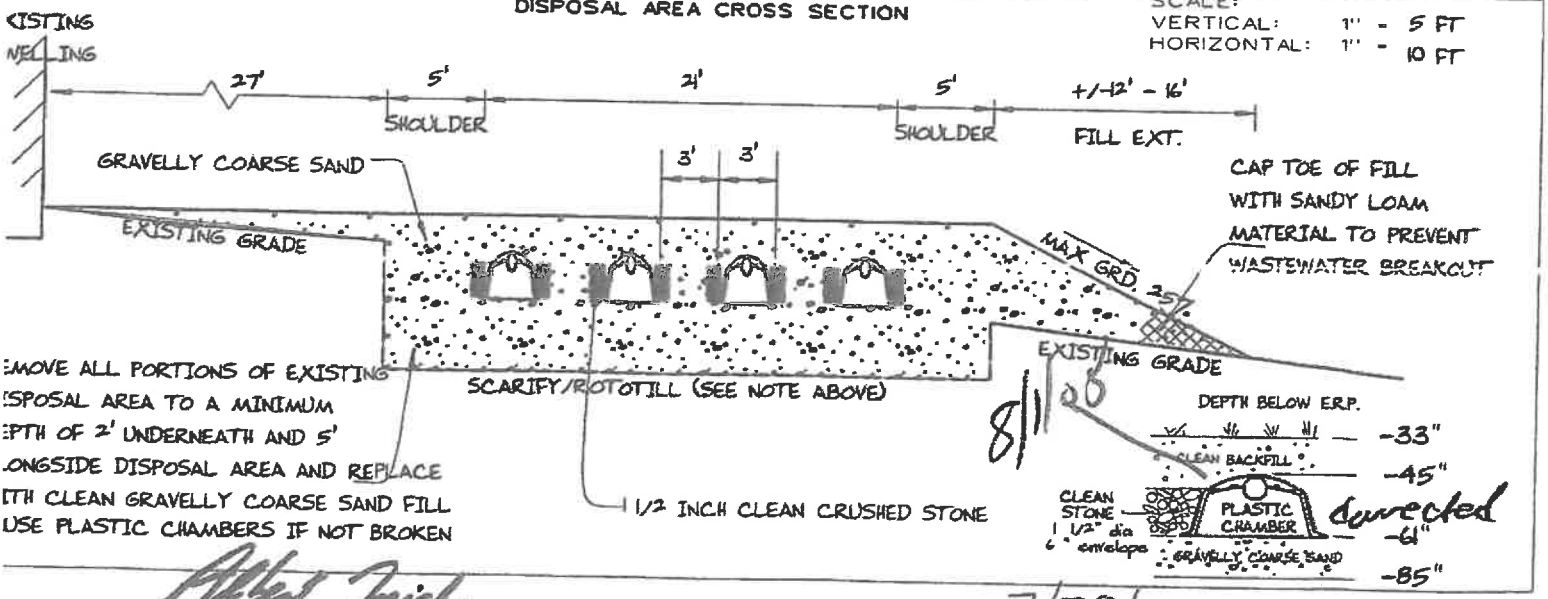
TOP OF EXISTING CHAMBER IS -62" BELOW SIDING



FILL REQUIREMENTS		CONSTRUCTION ELEVATIONS		ELEVATION REFERENCE POINT
Depth of Fill (Upslope)	: 0" - 7"	Finished Grade Elevation	SEE DETAIL BELOW	Location & Description: BOTTOM OF SIDING
Depth of Fill (Downslope)	: 17" - 26"	Top of Distribution Pipe or Proprietary Device		Reference Elevation is: 0.0" or _____
DEPTHS AT CROSS-SECTION (shown below)		Bottom of Disposal Area		

DISPOSAL AREA CROSS SECTION

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



Albert Frick
Site Evaluator Signature

163
SE #

7/28/2005
Date

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