SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
Division of Health Engineering, 10 SHS
(207) 287-5672 Fax: (207) 287-3165

PROPERTY LOCATION

City, Town, or Plantation	SHERMAN
Street or Road	ISLAND FALLS ROAD
Subdivision, Lot #	

OWNER / APPLICANT INFORMATION

Name (last, first, MI)	SLEEPER, LUCY ■ Owner □ Applicant
Mailing Address of Owner / Applicant	6961 ISLAND FALLS ROAD SHERMAN MILLS, ME 04776
Daytime Tel. #	(207) 365-4519

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 or Applicant — Date

>> CAUTION: PERMIT REQUIRED - ATTACH IN SPACE BELOW <<

SHERMAN — PERMIT # 314 — STATE COPY

Date Permit Issued: 9/10/03 — $ 120 FEE — □ If Double Fee Charged

Local Plumbing Inspector Signature — L.P.I. # 44

Municipal Tax Map # _____ Lot # _____ — 9/11/03

CAUTION: INSPECTION REQUIRED

I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application. — 9/22/03 (1st) date approved — 9/30/03 (2nd) date approved — 10/6/03

Local Plumbing Inspector Signature

PERMIT INFORMATION

TYPE OF APPLICATION

□ 1. First Time System
■ 2. Replacement System
Type replaced: TRENCH?
Year installed: 1973±
□ 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 Permit

DISPOSAL SYSTEM COMPONENTS

■ 1. Complete Non-engineered System
□ 2. Primitive System (graywater & alt. toilet)
□ 3. Alternative Toilet, specify: _____
□ 4. Non-engineered Disposal Area
□ 5. Holding Tank, _____ gallons
□ 6. Non-engineered Disposal Field (only)
□ 7. Separated Laundry System
□ 8. Complete Engineered System (2000 gpd or more)
□ 9. Engineered Treatment Tank (only)
□ 10. Engineered Disposal Field (only)
□ 11. Pretreatment, specify: _____
□ 12. Miscellaneous Components

SIZE OF PROPERTY

.9± □ SQ. FT. ■ ACRES

SHORELAND ZONING

□ Yes ■ No

DISPOSAL SYSTEM TO SERVE

■ 1. Single Family Dwelling Unit, No. of Bedrooms: 2
□ 2. Multiple Family Dwelling, No. of Units: _____
□ 3. Other: _____ (specify)
Current Use □ Seasonal ■ Year Round □ Undeveloped

TYPE OF WATER SUPPLY

■ 1. Drilled Well □ 2. Dug Well □ 3. Private
□ 4. Public □ 5. Other

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK

■ 1. Concrete
■ a. Regular
□ b. Low Profile
□ 2. Plastic
□ 3. Other: _____
CAPACITY: 1000 GAL.

DISPOSAL FIELD TYPE & SIZE

□ 1. Stone Bed □ 2. Stone Trench
■ 3. Proprietary Device
■ a. Cluster array □ c. Linear
■ b. Regular load □ d. H-20 load
□ 4. Other: _____
SIZE: 900 ■ sq. ft. □ lin. ft.

GARBAGE DISPOSAL UNIT

■ 1. No □ 2. Yes □ 3. Maybe
If Yes or Maybe, specify one below:
□ a. multi-compartment tank
□ b. ___ tanks in series
□ c. increase in tank capacity
□ d. Filter on Tank Outlet

DESIGN FLOW

180 gallons per day
BASED ON:
■ 1. Table 501.1 (dwelling unit(s))
□ 2. Table 501.2 (other facilities)
SHOW CALCULATIONS
— for other facilities —

2 BEDROOMS @ 90 GALLONS
=180 GALLONS PER DAY

SOIL DATA & DESIGN CLASS

PROFILE / CONDITION / DESIGN
1 / D / 1D
at Observation Hole # TP2
Depth 7" - GROUNDWATER of 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

EFFLUENT / EJECTOR PUMP

RAISE ?
■ 1. Not Required REORIENT
□ 2. May Be Required
□ 3. Required

Specify only for engineered systems:
DOSE: _____ gallons

□ 3. Section 503.0 (meter readings)
ATTACH WATER METER DATA

SITE EVALUATOR STATEMENT

I certify that on 4-25-03 (date) I completed a site evaluation on this property and state that the data reported are accurate and that the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241).

William K. Hersey	60	4-28-03
Site Evaluator Signature	SE #	Date
WILLIAM K. HERSEY	(207) 498-2108	
Site Evaluator Name Printed	Telephone Number	E-mail Address

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

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Department of Human Services
Division of Health Engineering
(207) 287-5672 FAX (207) 287-4172

Town, City, Plantation: SHERMAN

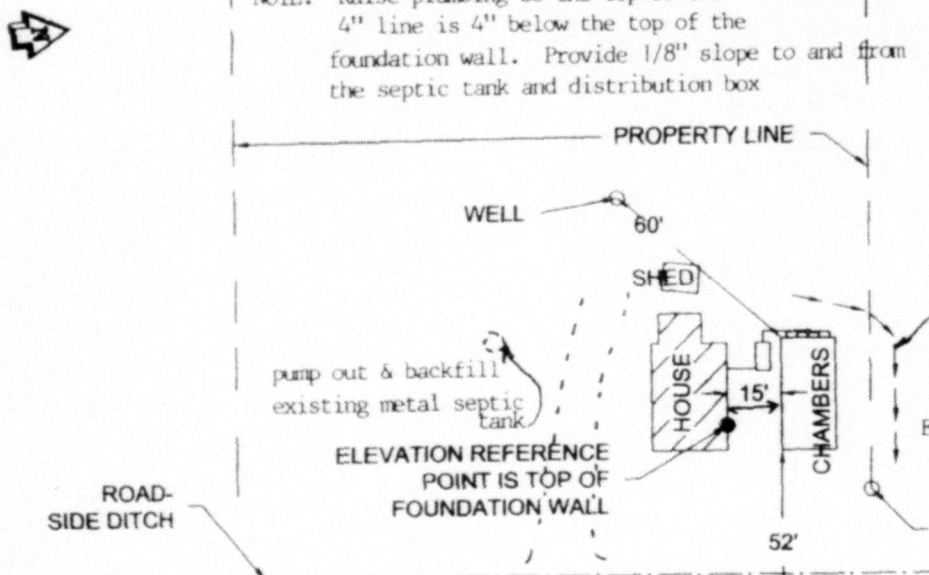
Street, Road, Subdivision: ISLAND FALLS ROAD

Owner's Name: SLEEPER, LUCY

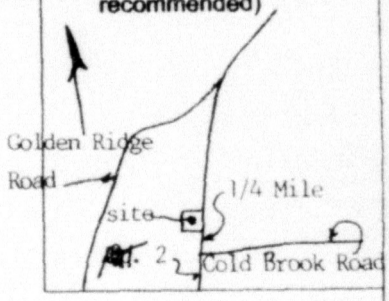
SITE MAP

Scale 1" = 50 ft. or as shown

NOTE: Raise plumbing so the top of the 4" line is 4" below the top of the foundation wall. Provide 1/8" slope to and from the septic tank and distribution box



SITE LOCATION PLAN (Map from Maine Atlas recommended)



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

Observation Hole TP1 ■ Test Pit ☐ Boring

_____" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)

Texture	Consistency	Color	Mottling
0 SILT LOAM	FRIABLE	BLACK	
10 GRAVELLY CLAY LOAM	FIRM	LIGHT OLIVE BROWN	FEW FAINT MANY PROMINENT
20 LIMIT OF EXCAVATION			
30			
40			
50			

Soil Classification	Slope	Limiting Factor	
1 Profile / D Condition	____%	8	■ Ground Water ☐ Restrictive Layer ☐ Bedrock ☐ Pit Depth

Observation Hole TP2 ■ Test Pit ☐ Boring

_____" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)

Texture	Consistency	Color	Mottling
0 SILT LOAM	FRIABLE	BLACK	
10 GRAVELLY SILT LOAM / GRAVELLY CLAY LOAM	FIRM	DARK GRAYISH BROWN	FEW FAINT FEW DISTINCT COMMON DISTINCT MANY PROMINENT
20 LIMIT OF EXCAVATION			
30			
40			
50			

Soil Classification	Slope	Limiting Factor	
1 Profile / D Condition	____%	7	■ Ground Water ☐ Restrictive Layer ☐ Bedrock ☐ Pit Depth

William K. Hussey
Site Evaluator Signature

60
SE #

4-28-03
Date

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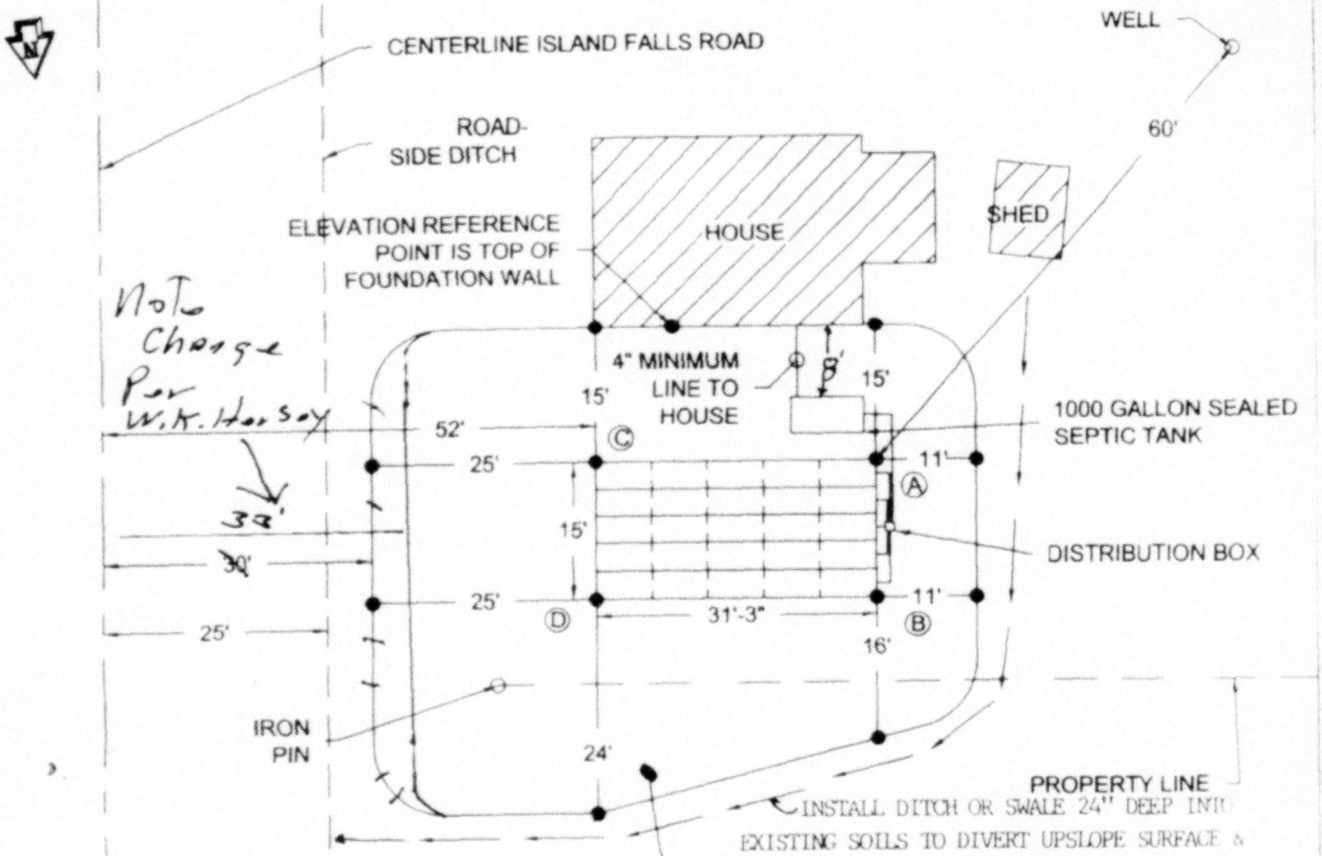
Town, City, Plantation	Street, Road, Subdivision	Owner's Name
SHERMAN	ISLAND FALLS ROAD	SLEEPER, LUCY

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20 ft.



FILL REQUIREMENTS:
- (A) 26"
- (B) 29"
- (C) 47"
- (D) 50"

INSTALLATION CONSISTS OF 5 ROWS OF 5 12" LOW PROFILE PLASTIC CHAMBERS

NOTE:
INSTALLATION SHALL COMPLY WITH CHAPTER 8 ATTACHED.
DO NOT USE WHEELED VEHICLES ON DISPOSAL BED DURING INSTALLATION.

FILL REQUIREMENTS		CONSTRUCTION ELEVATIONS		ELEVATION REFERENCE POINT	
Depth of fill (Upslope)	26" - 29"	Finish Grade Elevation	minus 2"	Location & Description	SEE ABOVE
Depth of fill (Downslope)	47" - 50"	Top of Distribution Pipe or Proprietary Device	minus 14"		
		Bottom of Disposal Area	minus 26"	Reference Elevation	00"

SEE ATTACHED SHEET

William K. Hussey
Site Evaluator Signature

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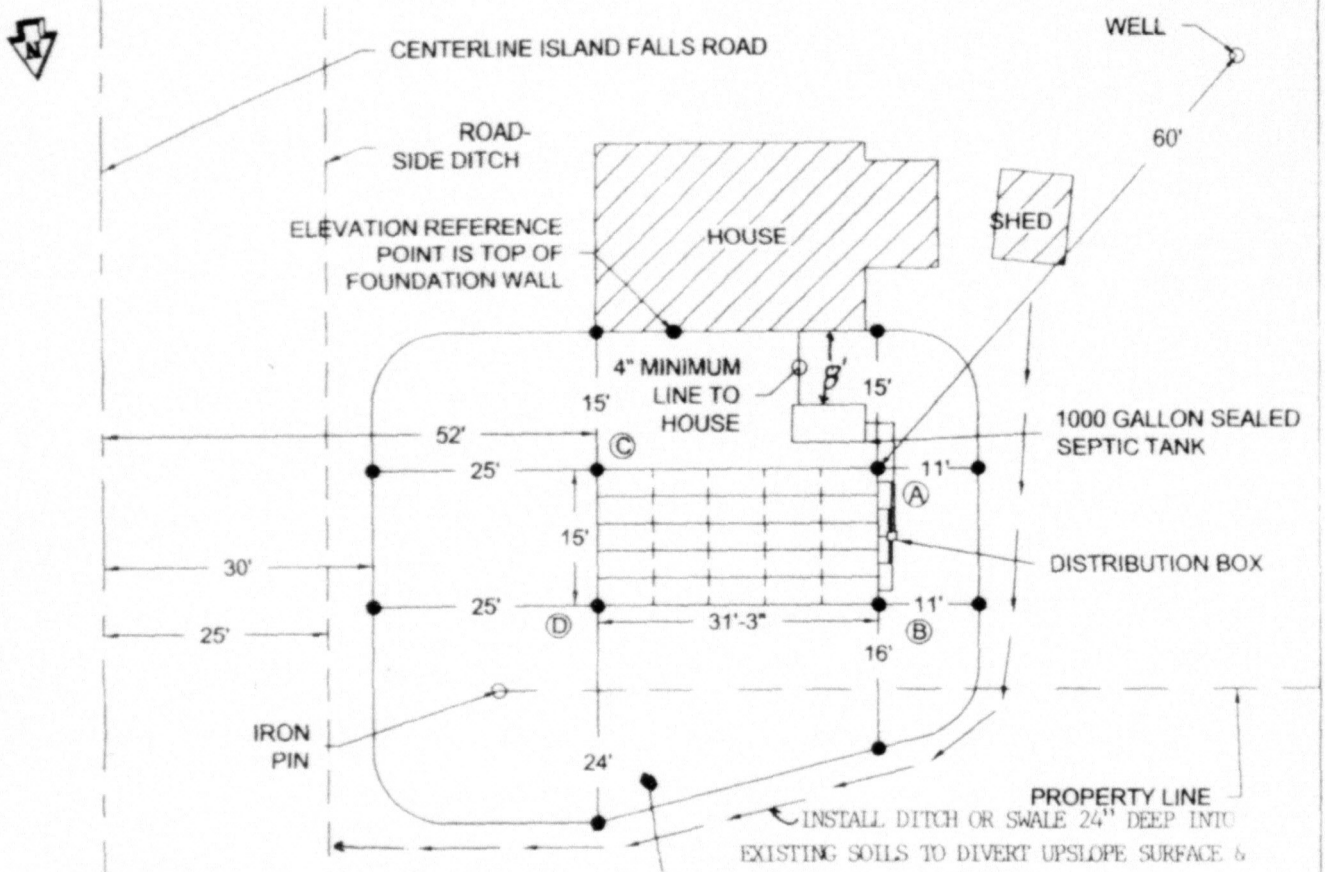

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SEE ATTACHED SHEET

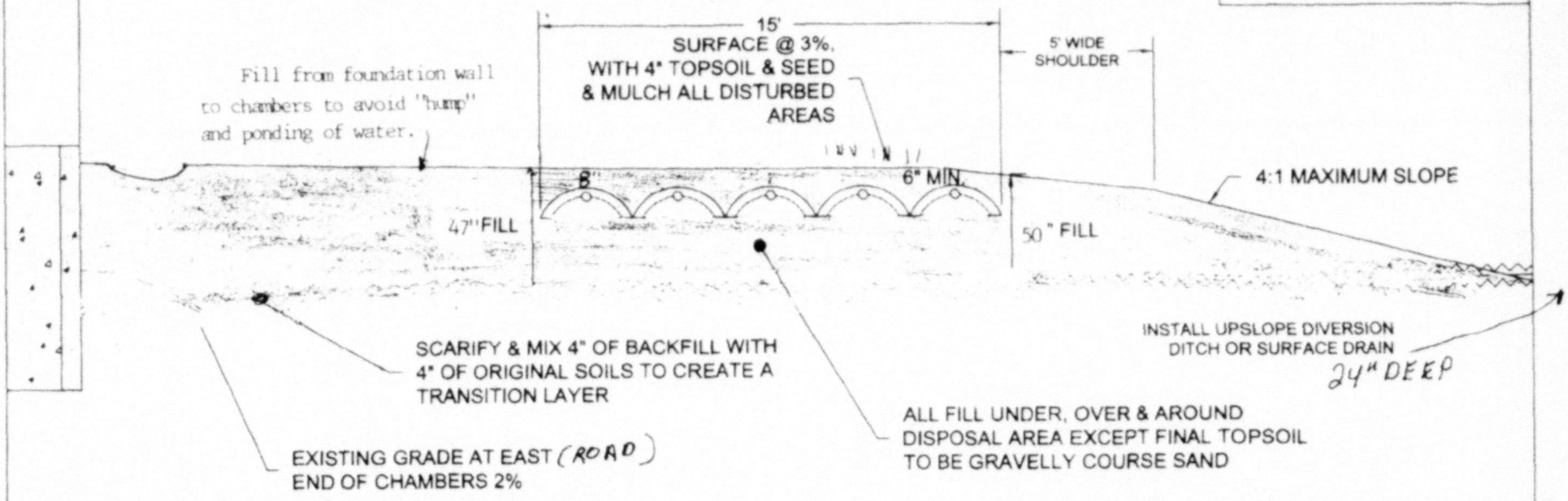
William K. Hussey — Site Evaluator Signature

60 — SE #

4-28-03 — Date

Town, City, Plantation	Street, Road, Subdivision	Owner's Name
SHERMAN	ISLAND FALLS ROAD	SLEEPER, LUCY

SCALE:
VERTICAL: 1"= 5'
HORIZONTAL: 1"= 5'



1. REMOVE SOD BENEATH CHAMBERS & BACKFILL EXTENSIONS AND ROTOTILL TO LOOSEN PACKED SOILS.
2. PLACE FOUR INCHES OF BACKFILL AND MIX WITH FOUR INCHES OF NATIVE SOILS USING A ROTOTILLER OR EXCAVATOR TEETH. THIS PROCEDURE ENHANCES THE INFILTRATION OF EFFLUENT INTO THE NATIVE SOILS.
3. PLACE 6" THICK GRAVELLY COARSE SAND PAD WHEN SHOWN UNDER CHAMBER AREA, AND ROTOTILL OR MIX WITH 6" EXISTING SOILS TO CREATE TRANSITION HORIZON.
4. SET CHAMBERS AND PLACE REMAINING BACKFILL COMPACTING ONLY SUFFICIENTLY TO PREVENT FURTHER SETTLING.
5. LIME, FERTILIZE WITH APPROPRIATE SEED TO ESTABLISH SOD AND PREVENT EROSION. ONCE SEEDED, MULCH ALL DISTURBED AREAS.
6. CONTRACTOR TO VERIFY THAT BOTTOM OF DISPOSAL AREA CONSTRUCTIONS ELEVATIONS AND CUT AND/OR FILL REQUIREMENTS ARE CONSISTENT.
7. RECOMMENDATION: INSULATE TOP OF SEPTIC TANK WITH 2" POLYSTYRENE TO RAISE DIGESTION TEMPERATURES RESULTING IN MORE COMPLETE WASTEWATER TREATMENT.

CONSTRUCTION ELEVATIONS	
Finish Grade Elevation	minus 2"
Top of Distribution Pipe or Proprietary Device	minus 14"
Bottom of Disposal Area	minus 26"
ELEVATION REFERENCE POINT (E.R.P.)	00"

William K. Hussey — Site Evaluator Signature

60 — SE #

4-28-03 — Date