SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering
(207) 289-3826

M12 L64

AUGUSTA PERMIT # 821 ✓ TOWN COPY

Date Permit Issued: 7 24 86 $ 40 FEE ☐ If Double Fee Charged

Robert B St Pierre
Local Plumbing Inspector Signature

L.P.I. # 1667

PROPERTY ADDRESS

Town Or Plantation	Augusta
Street Subdivision Lot #	Route 105

PROPERTY OWNERS NAME

Last: Shaw First: Ernie

Applicant Name:	Ernie Shaw
Mailing Address of Owner/Applicant (If Different)	RFD 7 Box 468 Augusta, Maine 04330

Owner/Applicant Statement

I certify that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Local Plumbing Inspector to deny a Permit.

Ernest D. Shaw 5/20/85
Signature of Owner Applicant — Date

Caution: Inspection Required

I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules.

Local Plumbing Inspector Signature — 8/13/86 Date Approved

PERMIT INFORMATION

THIS APPLICATION IS FOR:

1. ☐ NEW SYSTEM
2. ☐ REPLACEMENT SYSTEM
3. ☒ EXPANDED SYSTEM
4. ☐ SEASONAL CONVERSION
5. ☐ EXPERIMENTAL SYSTEM

THIS APPLICATION REQUIRES:

1. ☒ NO RULE VARIANCE REQUIRED
2. ☐ NEW SYSTEM VARIANCE Attach New System Variance Form
   ☐ REPLACEMENT SYSTEM VARIANCE Attach Replacement System Variance Form
   3. ☐ Requires only Local Plumbing Inspector Approval
   4. ☐ Requires both State and Local Plumbing Inspector Approval

INSTALLATION IS

COMPLETE SYSTEM

1. ☒ NON-ENGINEERED SYSTEM
2. ☐ PRIMITIVE SYSTEM (Includes Alternative Toilet)
3. ☐ ENGINEERED (+ 2000 gpd)

INDIVIDUALLY INSTALLED COMPONENTS:

4. ☐ TREATMENT TANK (ONLY)
5. ☐ HOLDING TANK
6. ☐ ALTERNATIVE TOILET (ONLY)
7. ☐ NON-ENGINEERED DISPOSAL AREA (ONLY)
8. ☐ ENGINEERED DISPOSAL AREA (ONLY)
9. ☐ SEPARATED LAUNDRY SYSTEM

IF REPLACEMENT SYSTEM:

YEAR FAILING SYSTEM INSTALLED _____

THE FAILING SYSTEM IS:

1. ☐ BED 3. ☐ TRENCH
2. ☐ CHAMBER 4. ☐ OTHER _____

DISPOSAL SYSTEM TO SERVE:

1. ☒ SINGLE FAMILY DWELLING
2. ☐ MODULAR OR MOBILE HOME
3. ☐ MULTIPLE FAMILY DWELLING
4. ☐ OTHER _____ SPECIFY

SIZE OF PROPERTY

ZONING

TYPE OF WATER SUPPLY

water

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK

1. ☒ SEPTIC: ☐ Regular ☐ Low Profile
2. ☐ AEROBIC

SIZE: 1000 GALS.

WATER CONSERVATION

1. ☒ NONE
2. ☐ LOW VOLUME TOILET
3. ☐ SEPARATED LAUNDRY SYSTEM
4. ☐ ALTERNATIVE TOILET

SPECIFY: _____

PUMPING

1. ☒ NOT REQUIRED
2. ☐ MAY BE REQUIRED (DEPENDING ON TREATMENT TANK LOCATION AND ELEVATION)
3. ☐ REQUIRED

DOSE: _____ GALS.

CRITERIA USED FOR DESIGN FLOW (BEDROOMS, SEATING, EMPLOYEES, WATER RECORDS, ETC.)

two bedroom home

DESIGN FLOW: 180 (GALLONS/DAY)

SOIL CONDITIONS USED FOR DESIGN PURPOSES

PROFILE	CONDITION
7	C

DEPTH TO LIMITING FACTOR: 15

SIZE RATINGS USED FOR DESIGN PURPOSES

1. ☐ SMALL
2. ☐ MEDIUM
3. ☒ MEDIUM-LARGE
4. ☐ LARGE
5. ☐ EXTRA LARGE

DISPOSAL AREA TYPE/SIZE

1. ☒ BED 600 Sq. Ft.
2. ☐ CHAMBER _____ Sq. Ft.
   ☐ REGULAR ☐ H-20
3. ☐ TRENCH _____ Linear Ft.
4. ☐ OTHER: _____

SITE EVALUATOR STATEMENT

☐ SITE EVALUATION WAIVED BY LOCAL OPTION

On April 22, 1985 (date) I conducted a site evaluation for this project and certify that the data reported is accurate. The system I propose is in accordance with the Subsurface Wastewater Disposal Rules.

Site Evaluator or Professional Engineer's Signature — 42 SE# / PE# — Date

* Local Plumbing Inspector's Signature if a Local Site Evaluation Waiver under a Local Option

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Division of Health Engineering

Town, City, Plantation: Augusta

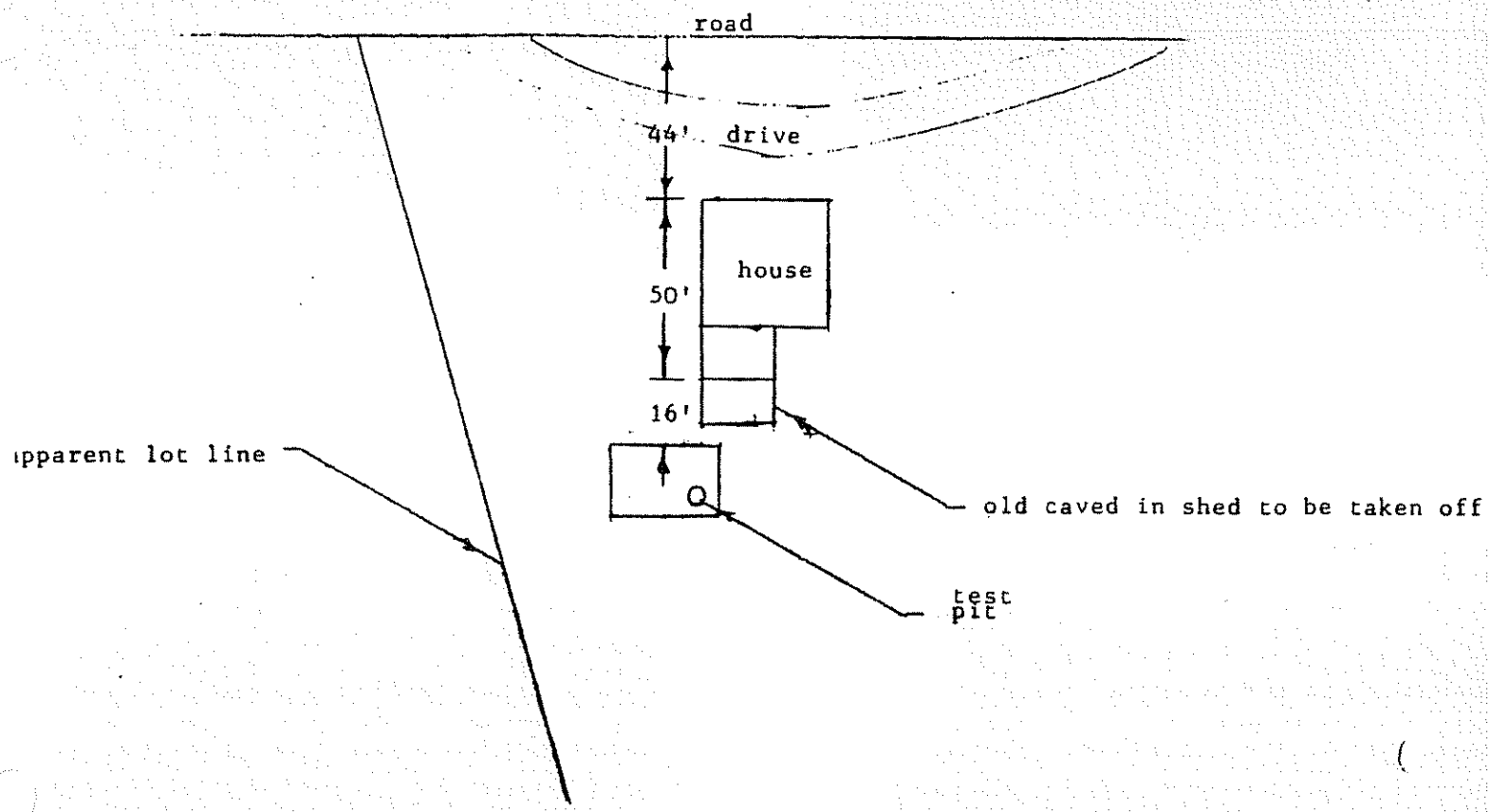
Street, Road, Subdivision: Route 105

Owners Name: Ernie Shaw

SITE PLAN

Scale 1" = 50 FL

SITE LOCATION PLAN (Attach Map from Maine Atlas for New System Variance)



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

Observation Hole A2 ☒ Test Pit ☐ Boring

_____" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches): 0, 6, 10, 15, 20, 30, 40, 50

Texture	Consistency	Color	Mottling
18" sandy loam	24" friable	8" dark brown	15" none
		8" light brown	
6" loam		6" olive	18" few faint, to many
10" silt	10" firm	10" gray	

Soil	Classification	Slope	Limiting Factor	
7 (Profile)	C (Condition)	5-6 %	15	X Ground Water; Restrictive Layer; Bedrock

Observation Hole _____ ☐ Test Pit ☐ Boring

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Texture	Consistency	Color	Mottling

Soil	Classification	Slope	Limiting Factor	
(Profile)	(Condition)	%		☐ Ground Water; ☐ Restrictive Layer; ☐ Bedrock

Lloyd C Kruse

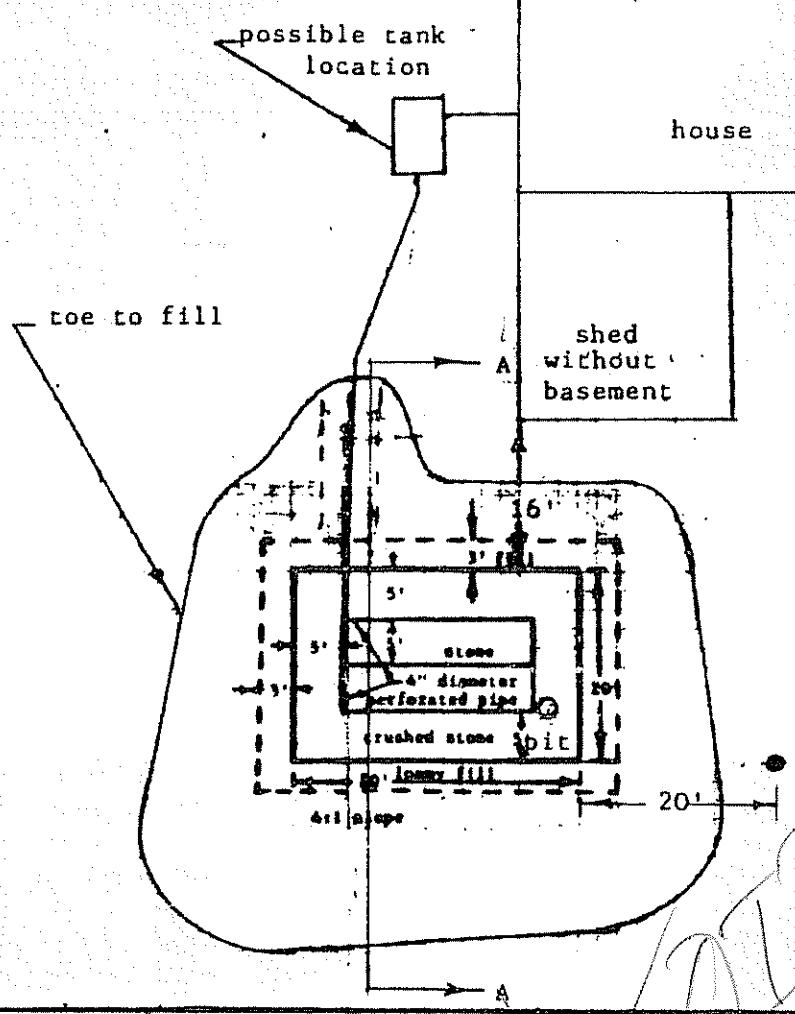
SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Division of Health Engineering

Town, City, Plantation	Street, Road, Subdivision	Owners Name
Augusta	Route 105	Ernie Shaw

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20 FL



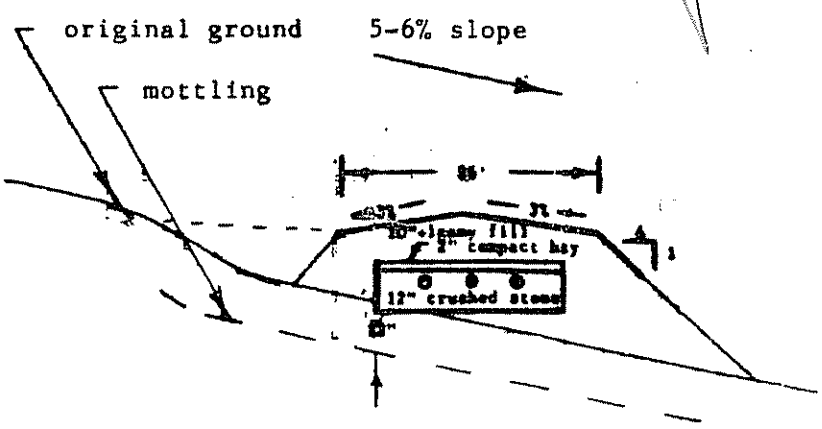
elevation reference

DID this sheet

FILL REQUIREMENTS		CONSTRUCTION ELEVATIONS		ELEVATION REFERENCE POINT LOCATION & DESCRIPTION
Depth of Fill (Upslope)	21	Reference Elevation is	100' 00'	nail in base of tree
Depth of Fill (Downslope)	35'33"	Bottom of Disposal Area	96' 05"	
		Top of Distribution Lines or Chambers	95' 06"	

DISPOSAL AREA CROSS SECTION

Scale:
Vertical: 1 inch = 5 FL
Horizontal: 1 inch = 20 FL



SECTION A--A

Signature of Professional Engineer's Signature

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May 9, 1985

Date

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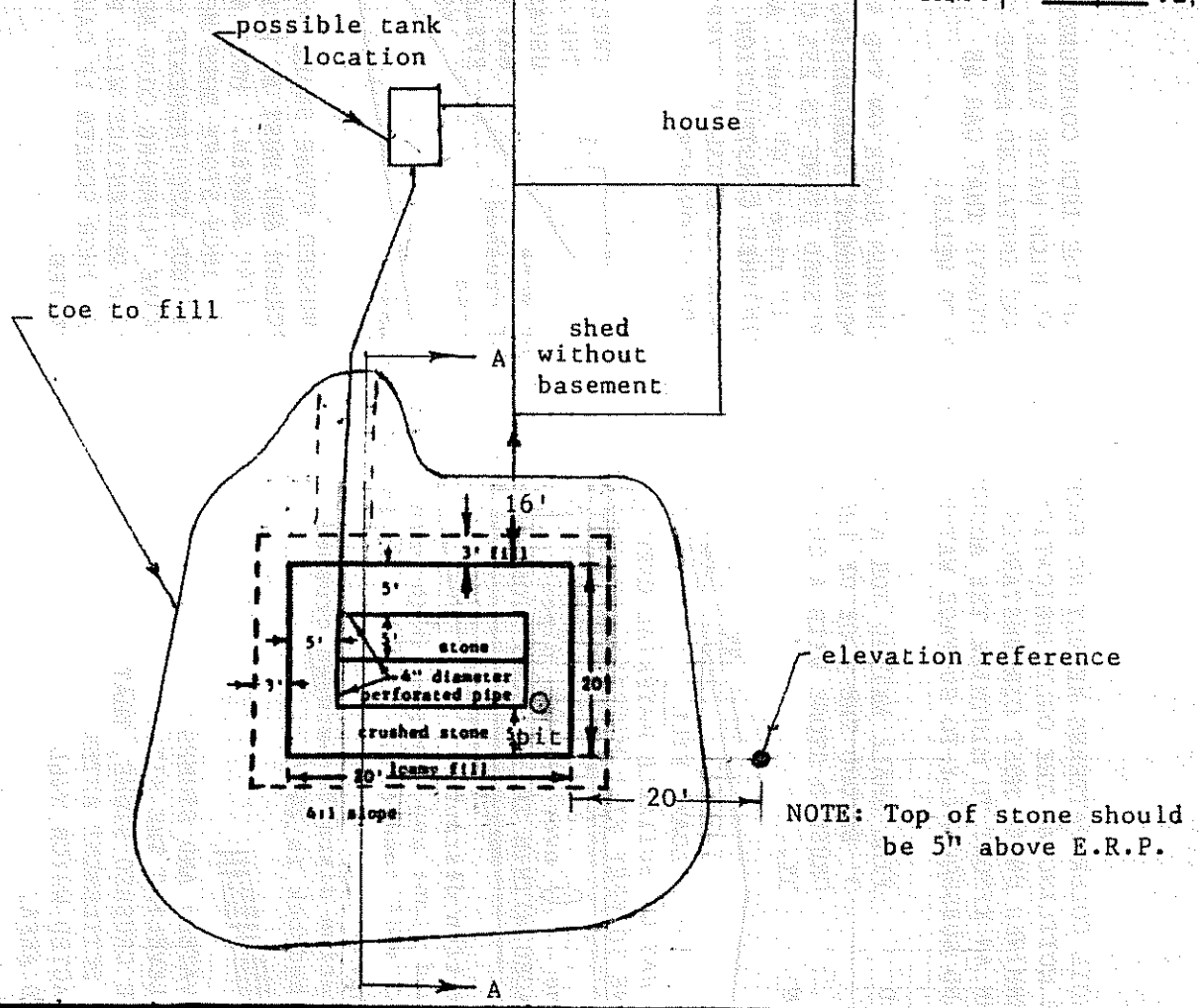
Department of Human Services
Division of Health Engineering

Town, City, Plantation	Street, Road, Subdivision	Owners Name
Augusta	Route 105.	Ernie Shaw

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20 Ft.



NOTE: Top of stone should be 5" above E.R.P.

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		Top of Distribution Lines or Chambers	100' 04"	

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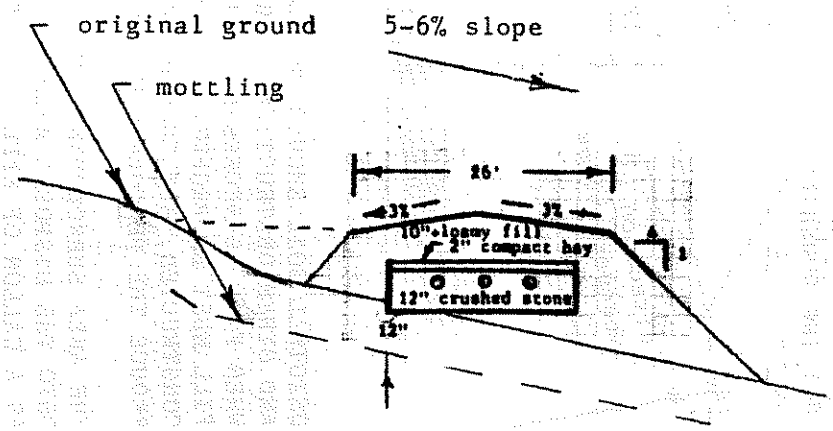

SECTION A--A

Lloyd C Rowe
Site Evaluator or Professional Engineer's Signature

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SE # / PE #

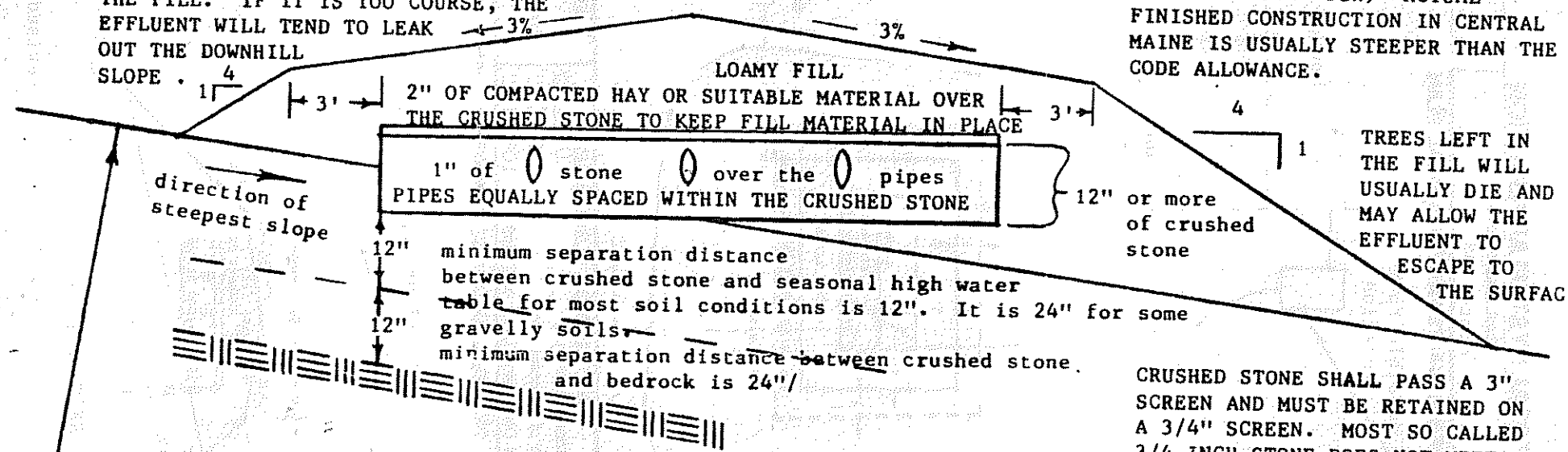
revised August 7, 1986
May 9, 1985
Date

MOTTLING IS A PARTICULAR CONDITION OF SOIL COLOR PATTERNS RESULTING FROM CHANGES IN THE IRON COMPOUNDS IN THE SOIL. THE MAINE PLUMBING CODE USES MOTTLING AS THE ONLY INDICATION OF SEASONAL HIGH WATER TABLE. TRUE WATER TABLE CANNOT BE READILY DETERMINED UNDER MOST CIRCUMSTANCES. SYSTEMS ARE INSTALLED ABOVE THE GROUND WATER TABLE, AND ABOVE BEDROCK IN AN EFFORT TO MINIMIZE THE AMOUNT OF POLLUTANTS THAT CAN BE TRANSPORTED TO THE GROUND WATER TABLE AND SUBSEQUENTLY TO SURFACE WATER BODIES OR TO WELLS.

FILL MATERIAL MUST BE CAREFULLY SELECTED AND COMPACTED IN PLACE. IF THE SOIL IS TOO FINE GRAINED (HAS TOO MUCH CLAY) IT WILL TEND TO POND THE EFFLUENT WITHIN THE FILL. IF IT IS TOO COURSE, THE EFFLUENT WILL TEND TO LEAK OUT THE DOWNHILL SLOPE .

FILL SHALL EXTEND FOR AT LEAST 3' BEYOND THE EDGE OF THE CRUSHED STONE WITH A SLOPE OF 3%.

MINIMUM SLOPE ON THE SIDES OF EMBANKMENT SURROUNDING THE CRUSHED STONE IS 25% OR 4 TO 1 (1" rise & 4" run) ACTUAL FINISHED CONSTRUCTION IN CENTRAL MAINE IS USUALLY STEEPER THAN THE CODE ALLOWANCE.



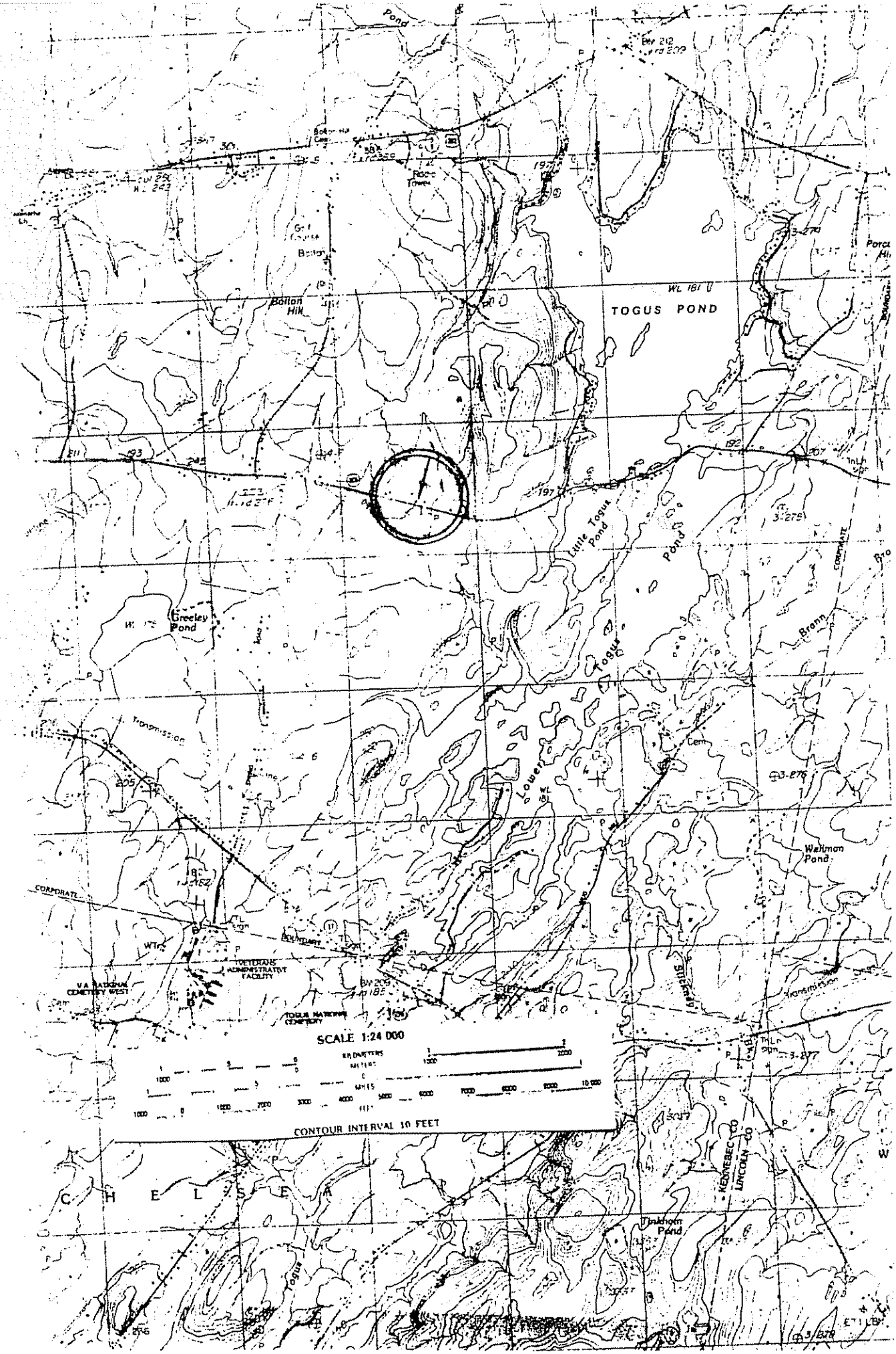
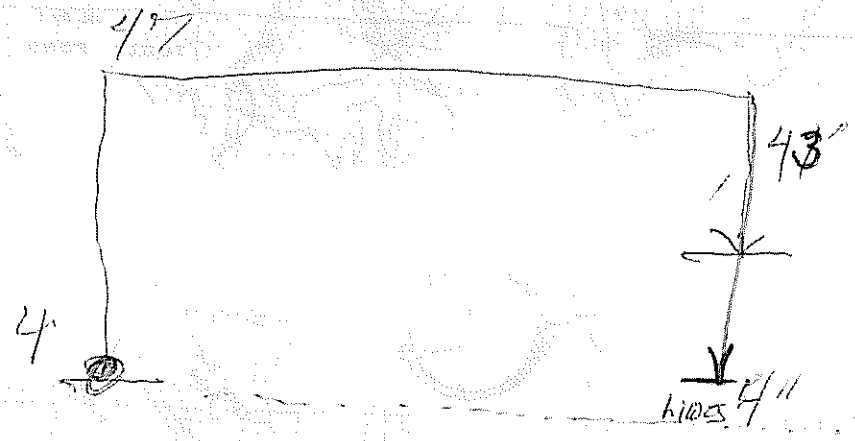
TREES LEFT IN THE FILL WILL USUALLY DIE AND MAY ALLOW THE EFFLUENT TO ESCAPE TO THE SURFAC

CRUSHED STONE SHALL PASS A 3" SCREEN AND MUST BE RETAINED ON A 3/4" SCREEN. MOST SO CALLED 3/4 INCH STONE DOES NOT MEET MINIMUM REQUIREMENTS OF THE MAINE PLUMBING CODE BECAUSE A HIGH PERCENTAGE WILL PASS A 3/4 INCH SCREEN IF CAREFULLY TESTED.

ORIGINAL SOIL SHOULD BE SCARIFIED (CULTIVATED) AND STUMPS AND OTHER OBSTRUCTIONS REMOVED PRIOR TO LEVELING THE SITE. WHEN FILL IS NECESSARY (SHIM) UNDER THE CRUSHED STONE, THAT FILL MUST BE PROPERLY COMPACTED TO AVOID SETTLEMENT AFTER CONSTRUCTED, BUT SHOULD NOT BE OVER COMPACTED WHICH WILL REDUCE THE PERCOLATION THROUGH THE FILLED AREA.

THE AREA SURROUNDING THE DISPOSAL AREA SHOULD BE SHAPED SO THAT RUNOFF WATER IS NOT ALLOWED TO RUN ONTO THE DISPOSAL AREA. A GALLON OF RAINFALL USES AS MUCH OF THE CAPACITY OF THE DISPOSAL SYSTEM AS A GALLON OF EFFLUENT FROM THE SEPTIC TANK.

SYSTEMS ARE USUALLY LAID OUT WITH THE LONGEST DIMENSION ON A CONTOUR LINE AND THE SHORTEST DIMENSION DIRECTLY DOWNHILL. THIS CONFIGURATION RESULTS IN THE LEAST AMOUNT OF FILL MATERIAL.


TOGUS POND
Bolton Hill
Greeley Pond
Little Togus Pond
Lower Togus Pond
Wahman Pond
Tinkham Pond
Transmission
CORPORATE BOUNDARY
VETERANS ADMINISTRATIVE FACILITY
V.A. NATIONAL CEMETERY WEST
TOGUS NATIONAL CEMETERY
SCALE 1:24 000
CONTOUR INTERVAL 10 FEET
KENNEBEC CO
LINCOLN CO
C H E L S E A

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