M4AL46

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

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

AUGUSTA 3343 TOWN COPY

Date Permit Issued 11/27/95 $ 60.00 FEE ☐ If Double Fee Charged

Local Plumbing Inspector Signature L.P.I. # 1204

PROPERTY ADDRESS

Town Or Plantation: AUGUSTA

Street Subdivision Lot #: BUCK + DOE TRAIL

PROPERTY OWNERS NAME

MAINE NEDCORP

Last: First:

Applicant Name:

Mailing Address of Owner/Applicant (If Different)

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.

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 — Date Approved 11/27/95

PERMIT INFORMATION

THIS APPLICATION IS FOR:
1. ☒ NEW SYSTEM
2. ☐ REPLACEMENT SYSTEM
3. ☐ EXPANDED SYSTEM
4. ☐ EXPERIMENTAL SYSTEM

SEASONAL CONVERSION
to be completed by the LPI
5. ☐ SYSTEM COMPLIES WITH RULES
6. ☐ CONNECTED TO SANITARY SEWER
7. ☐ SYSTEM INSTALLED – P#
8. ☐ SYSTEM DESIGN RECORDED AND ATTACHED

IF REPLACEMENT SYSTEM:
YEAR FAILING SYSTEM INSTALLED
THE FAILING SYSTEM IS:
1. ☐ BED 3. ☐ TRENCH
2. ☐ CHAMBER 4. ☐ OTHER:

SIZE OF PROPERTY: 2 AC ±

ZONING: RPDS

THIS APPLICATION REQUIRES:
1. ☒ NO RULE VARIANCE
2. ☐ NEW SYSTEM VARIANCE Attach New System Variance Form
3. ☐ REPLACEMENT SYSTEM VARIANCE Attach Replacement System Variance Form
a. ☐ Requiring Local Plumbing Inspector Approval
b. ☐ Requires State and Local Plumbing Inspector Approval
4. ☐ MINIMUM LOT SIZE VARIANCE

DISPOSAL SYSTEM TO SERVE:
1. ☒ SINGLE FAMILY DWELLING
2. ☐ MODULAR OR MOBILE HOME
3. ☐ MULTIPLE FAMILY DWELLING
4. ☐ OTHER _____ SPECIFY

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 _____ GAL
6. ☐ ALTERNATIVE TOILET (ONLY)
7. ☐ NON-ENGINEERED DISPOSAL AREA (ONLY)
8. ☐ ENGINEERED DISPOSAL AREA (ONLY)
9. ☐ SEPARATED LAUNDRY SYSTEM

TYPE OF WATER SUPPLY: PROPOSED DRILLED WELL

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

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

SIZE: 1000 GALS.

WATER CONSERVATION
1. ☒ NONE BUT RECOMMENDED
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.)
3 BEDROOMS
270
3.3
891
891/50 = 17+
4 ROWS OF 5 PLASTIC CHAMBERS 21' x 31.25'

DESIGN FLOW: 303 (GALLONS/DAY)

SOIL CONDITIONS USED FOR DESIGN PURPOSES

PROFILE	CONDITION
2	C

DEPTH TO LIMITING FACTOR: 24"+

SIZE RATINGS USED FOR DESIGN PURPOSES
1. ☐ SMALL
2. ☐ MEDIUM
3. ☒ MEDIUM-LARGE
4. ☐ LARGE
5. ☐ EXTRA LARGE

DISPOSAL AREA TYPE/SIZE
1. ☐ BED PLASTIC Sq. Ft.
2. ☒ CHAMBER 1000 Sq. Ft.
☐ REGULAR ☐ H-20
3. ☐ TRENCH _____ Linear Ft.
4. ☐ OTHER: _____

SITE EVALUATOR STATEMENT

On 9-6-95 (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.

David L. Studer — Site Evaluator Signature

275 SE# Phone 845-2352

9-7-95 — Date

(Local Plumbing Inspector's Signature If permit is for Seasonal Conversion.)

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

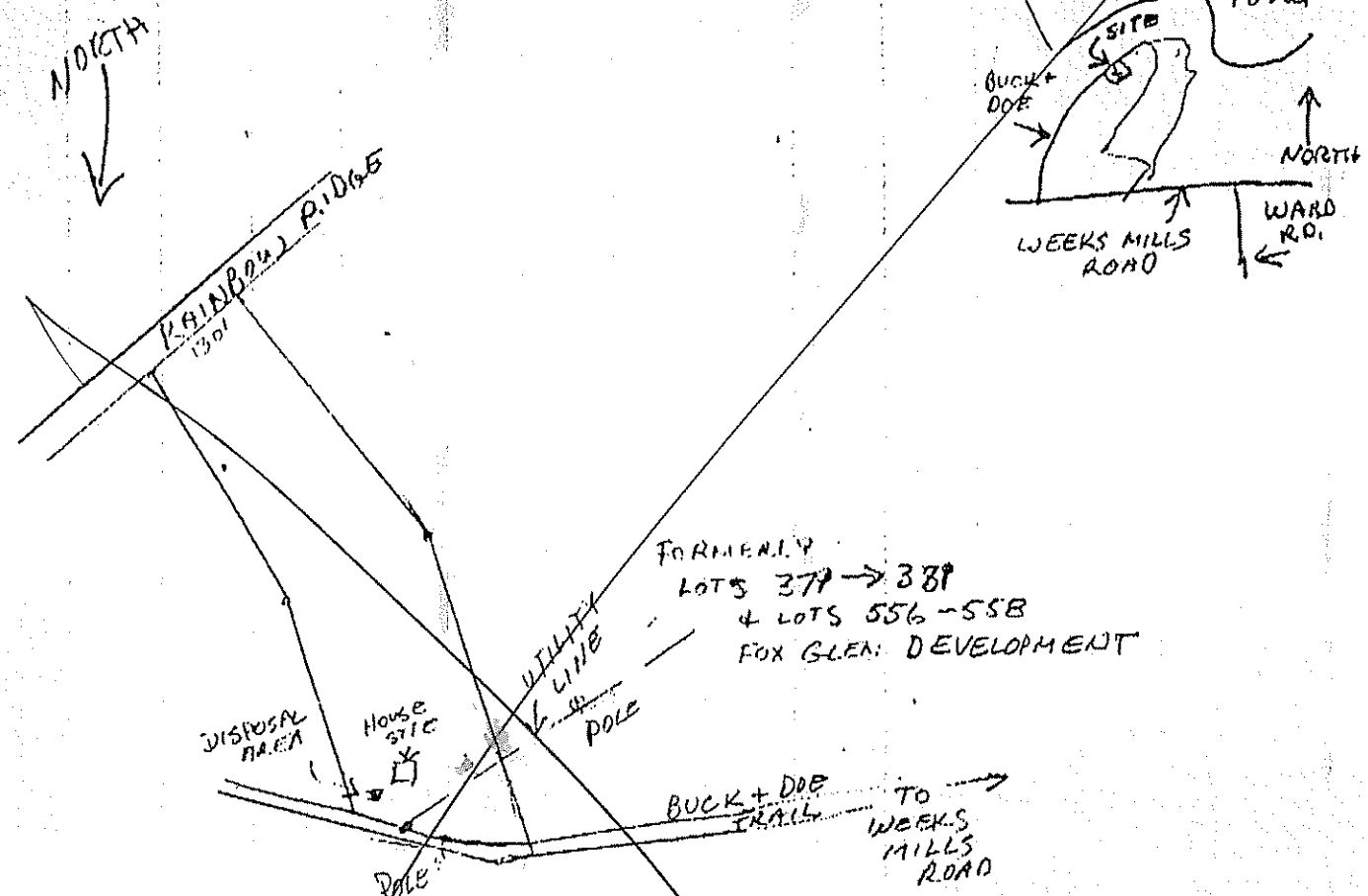
Department of Human Services
Division of Health Engineering

Town, City, Plantation: WASHINGTON
Street, Road, Subdivision: BUCK + DOE TRAIL
Owner's Name: MAINE NEDCORP

SITE PLAN

Scale 1" = 200 Ft.

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

4-1/2 " Depth of Organic Horizon Above Mineral Soil

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
0	LOAM		DK BN	
6			GRAY	
10	GRAVELLY	FRIABLE	RED BN	
15	BOWLY		TAN	
20	SANDY LOAM TO LOAMY SAND	NO RESTRICTIONS		NONE OBSERVED
30		ROOTS TO 24"		
40				
60				

Soil	Classification	Slope	Limiting Factor	
2 (Profile)	C (Condition)	18 %	24"	☐ Ground Water ☐ Restrictive Layer ☐ Bedrock

Observation Hole _____ ☐ Test Pit ☐ Boring

_____ " Depth of Organic Horizon Above Mineral Soil

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
0				
6				
10				
15				
20				
30				
40				
60				

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

David I Studer
Site Evaluator Signature

275
SEW

9-7-95
Date

HHE-200 Rev. 1/84

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

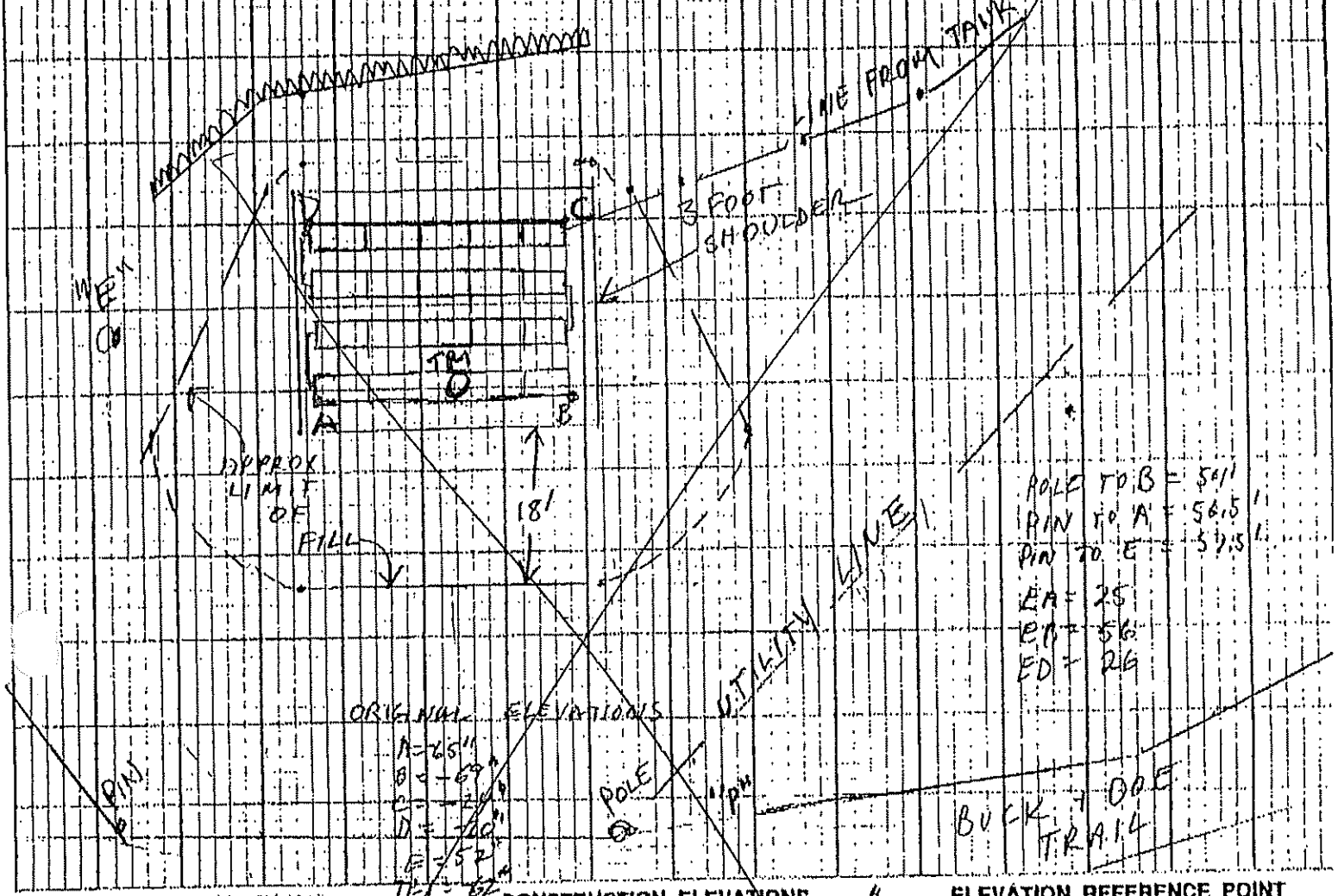
City, Plantation: AUGUSTA

Street, Road, Subdivision: BUCK + DOE TRAIL

Owners Name: MAINE NEDCORP

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20 ft.



FILL REQUIREMENTS

Depth of Fill (Upslope) 13"

Depth of Fill (Downslope) 13"

CONSTRUCTION ELEVATIONS

0" Reference Elevation is Bottom of Disposal Area

see below Top of Distribution Lines of Chambers

ELEVATION REFERENCE POINT LOCATION & DESCRIPTION

NAIL IN TREE AT "E" ABOUT 32" ABOVE GRADE

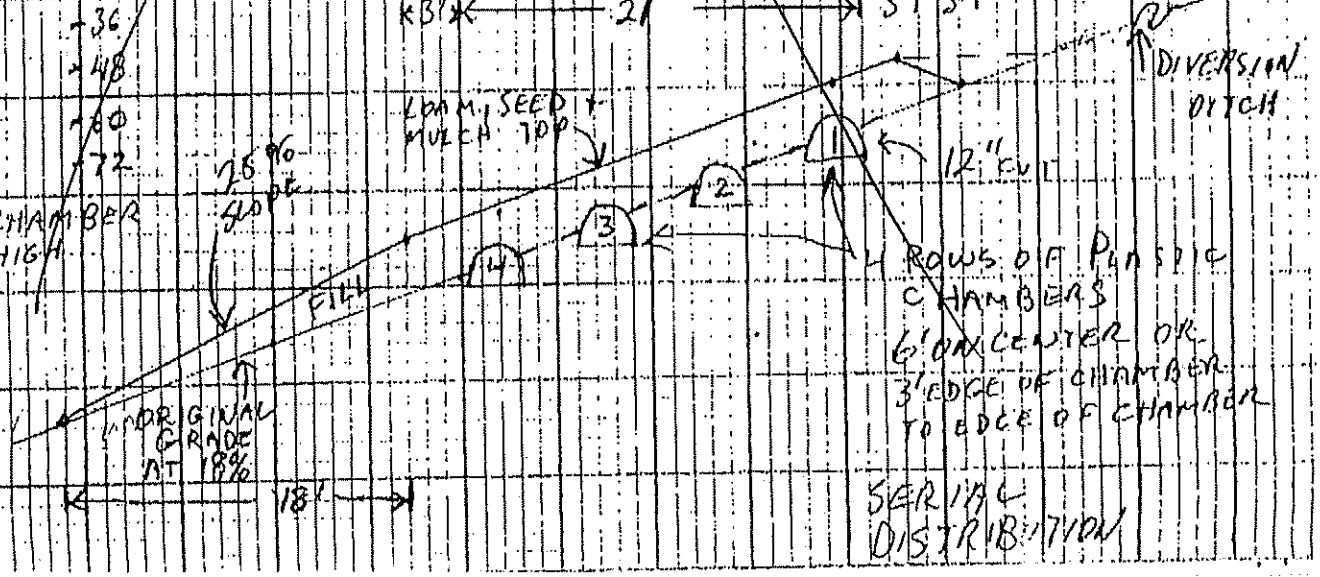
CHAMBER ELEVATIONS

	TOP	BOTTOM
ROW 1	-21	-36
ROW 2	-33	-48
ROW 3	-45	-60
ROW 4	-57	-72

ASSUME CHAMBER IS 15" HIGH

DISPOSAL AREA CROSS SECTION THRU B→C

Scale: Vertical: 1 inch = 5 Ft. Horizontal: 1 inch = 10 Ft.



DAVID STUDER
RR1 BOX 324
Washington ME
04574

SOILS TESTS & SEPTIC SYSTEM DESIGN
LAND USE PLANNING

Date 9-29-95

Number of pages including cover 2

Faxed from: MORGAN'S MILLS
207-785-4900 VOICE
207-785-4907 FAX

TO:
GEORGE SOUCY CEO/LPI
CITY OF AUGUSTA
626-2367 FAX

Message:
ATTACHED IS PAGE 3 of HHE-200
FOR EDDY JABRIE, MAINE NEDCORP
APPLICATION FOR SEPTIC SYSTEM. IF STILL
A PROBLEM CALL ME AT 1-800-763-4088.

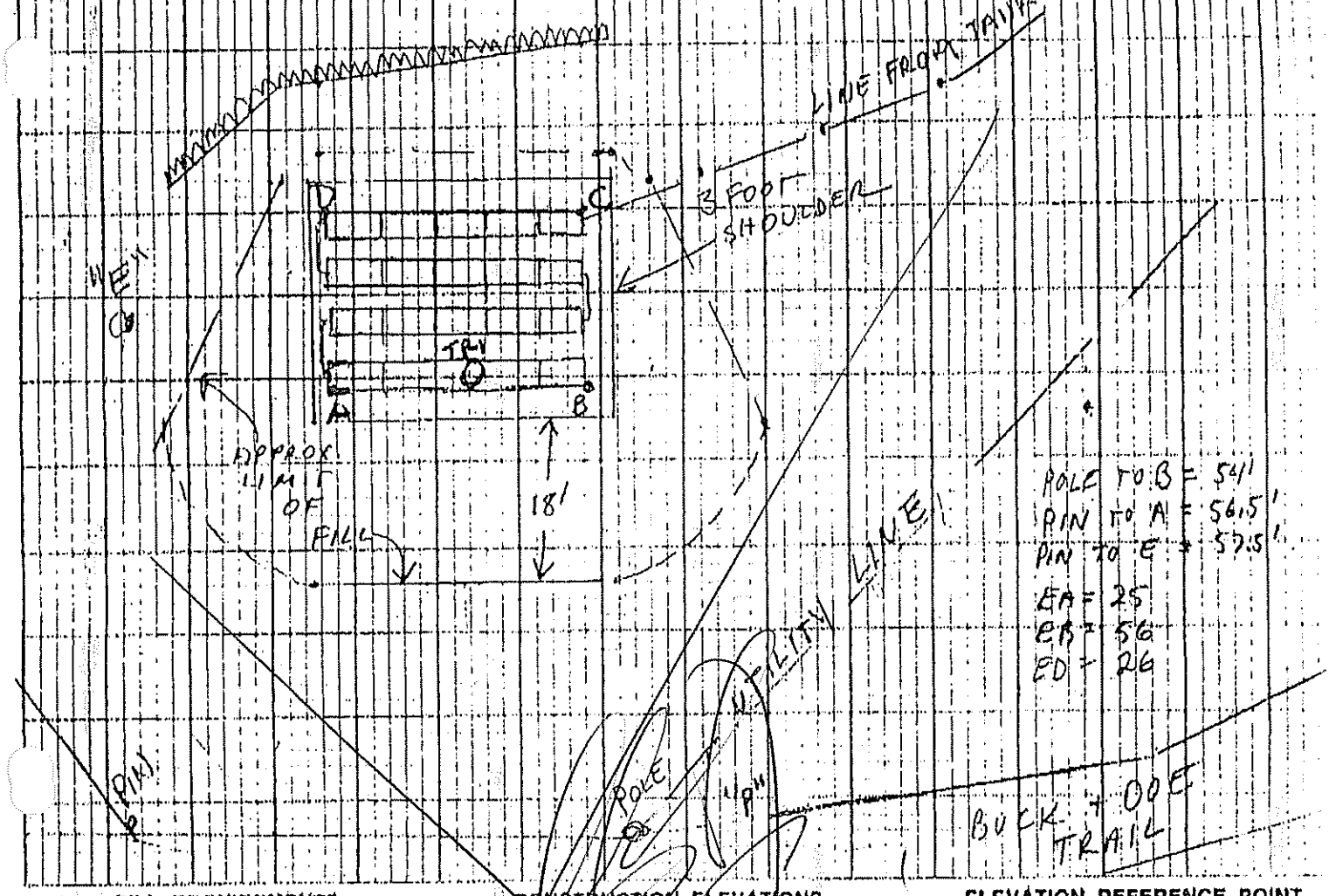
Town, City, Plantation: AUGUSTA

Street, Road, Subdivision: BUCK + DOE TRAIL

Owners Name: MAINE NEDCORP

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20 Ft.



FILL REQUIREMENTS		CONSTRUCTION ELEVATIONS		ELEVATION REFERENCE POINT LOCATION & DESCRIPTION
Depth of Fill (Upslope)	13"	Reference Elevation is		
Depth of Fill (Downslope)	13"	Bottom of Disposal Area		
		Top of Distribution Lines or Chambers		

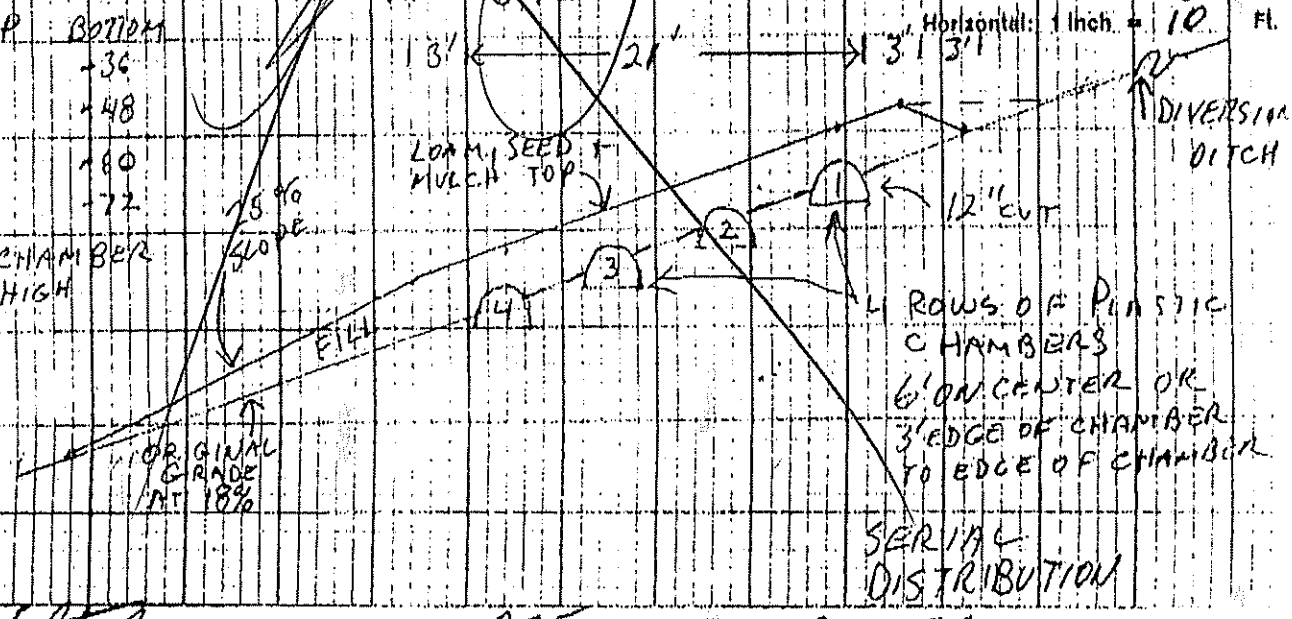
DISPOSAL AREA CROSS SECTION THRU B→C

Scale: Vertical: 1 inch = 5 Ft. Horizontal: 1 inch = 10 Ft.

CHAMBER ELEVATIONS

	TOP	BOTTOM
ROW 1		-36
ROW 2		-48
ROW 3		-60
ROW 4		-72

ASSUME CHAMBER IS 15" HIGH



David J. Studer — Site Evaluator Signature

275 — Site #

9-7-95 — Date

Page 3 of 3

SEPTIC SYSTEM USER NOTES

1.This septic system has been designed to meet requirements of the State of Maine Subsurface Waste disposal rules, 10-144A CMR 241. Because site Evaluators are not notified when local ordinances are enacted which exceed state requirements, it is the homeowner's responsibility to ensure that this system design (HHE-200 form) is in compliance with local ordinances. This can be done by contacting your local LPI and asking about local ordinances which differ from those required in the Rules.

2.The use of a garbage grinder on a septic system is not recommended. If a garbage grinder is to be used, additional tank capacity, filters such as the Zabel A-100, and more frequent tank pumping is required.

3.It is recommended that the homeowner install low volume toilets (1 1/2 gallon or less per flush) and other flow reducing fixtures to minimize water consumption. This should extend the life of the system, all other things being equal.

4.It is the homeowners responsibility to limit water consumption and waste water so that the septic system design capacity is not exceeded on <u>any day</u>. Activities which generate large amounts of wastewater, such as laundries, should be spread out over several days rather than doing a number of them on a particular day. Excessive use of a system on any day (typically weekends for working couples) can cause the system to fail, even if the flow averaged out over the month or week is below design volume.

5. Do not connect roof or floor drains to a septic system. The system is not designed to handle this water and may cause premature failure. Do not dispose of backwash from water softeners or water treatment devices for the same reason.

6.Do not dispose of any hazardous or toxic substances in a septic system, such as paint, paint thinners & solvents, varnishes, photographic solutions, pesticides, insecticides, organic solvents or degreasers, and drain cleaners or openers. Instead of a commercial degreaser or drain opener, use one of the following:

a. A plunger or mechanical snake, or
b. Pour 1 handful of baking soda and 1/2 cup of white vinegar down the drain pipe and cover for one minute. Repeat as necessary, or
c. Pour 1/2 cup salt and 1/2 cup baking soda down the drain followed by 6 cups of boiling water. Let sit several hours or overnight. Then flush with water.

7. Do not dispose of any inert or non-biodegradeable substances into your septic system such as disposable diapers, cat box litter, coffee grounds, cigarette filters, sanitary napkins, facial tissues and wet strength paper towels.

8. Do not dispose of large quantities of fats or grease into your septic system unless an external grease trap has been installed for that purpose. Generally, an internal grease trap is inadequate to handle excessive amounts of grease or fat.

9. Do not add any septic tank cleaner or additive to your septic system to improve its function or prolong its useful operating life. This includes yeast, horse manure, or commercial products. No effective product or material is recognized by State authorities and some products may cause your system to fail.

10. Maintain your septic system by regularly having the septic tank pumped. Some biological breakdown of solid and grease occurs in the tank but the rate of accumulation virtually always exceeds the rate of breakdown. If your tank is not pumped often enough, solids and greases may build up to the point where they enter the disposal area. Once this material reaches the disposal area it will clog the soil surface and likely cause premature failure.

I recommend having your septic tank pumped or inspected after one year of use. The pumper can advise you how often you need to have the tank pumped based on what he finds at this inspection. Typical a tank is pumped every 2 to 5 years. Adjust the pumping frequency with changes in how you use the system--the more you use the system, the more frequently the tank should be pumped.

11. Do not drive or store heavy materials on any part of your septic system, unless it is designed specifically to handle heavy loads. Otherwise, crushed components may result in system failure.

13. Divert all surface water away from the septic tank and disposal area.Roof area that contributes runoff water to septic system site should have gutters installed to divert water to another location.

14.PLEASE- If you have any questions about your system or how to use it call and ask me for advice at (207) 845-2352. You can also call the Division of Health Engineering at 289-5672.

DAVID STUDER, LSE #275
RR1 BOX 324, WASHINGTON, ME, 04574

ADDENDUM TO HHE-200 AND ADDITIONAL INFORMATION ABOUT YOUR SEPTIC SYSTEM

1. You should have your septic system pumped out and checked every two years to prolong the life of the system.

2. Water softeners should drain to a separate gray water disposal system.

3. Your septic system must be installed level and all joints, etc. must be water tight. This applies to the pump tank if your system requires pumping. Distribution boxes shall have Equalizers installed on the outlets. In bed systems, a 4-way pipe with Equalizers may be used instead of a distribution box.

4. Low volume toilets and water conservation measures are recommended, even if your design does not require them.

5. All construction shall conform to the State of Maine Subsurface Waste Disposal Rules chapter 241.

6. All fill shall be sandy loam or loamy sand or coarser, with sufficient fines for compaction. Fill shall be place in 8 inch lifts.

7. All wells shall be at least 100 feet from the leaching field unless a variance is granted.

8. Property lines are as provided by the owner and no accuracy is implied. Actual lines must be confirmed by a survey.

9. All Residential installations of gravity fed new tanks shall have a Zabel Model A1800 filter installed (order already installed in tank). Provide a low profile septic tank when determined to be necessary in the field.

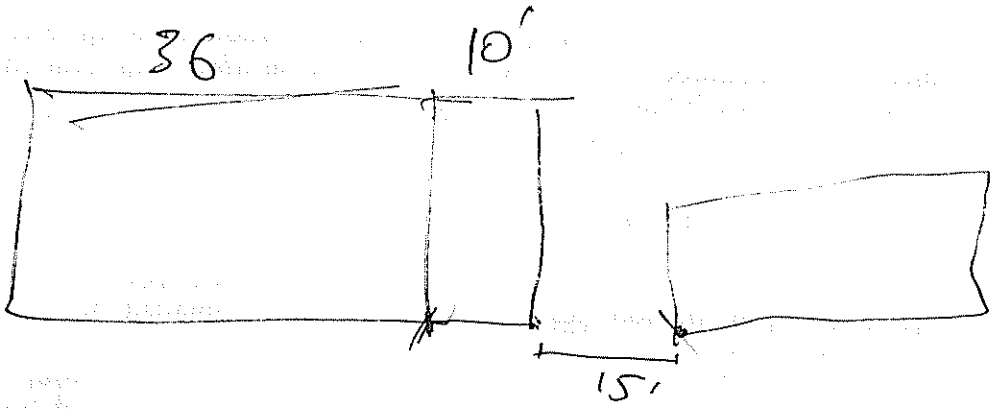
10. Force mains, pump stations, and/or gravity piping subject to freezing shall be adequately insulated.

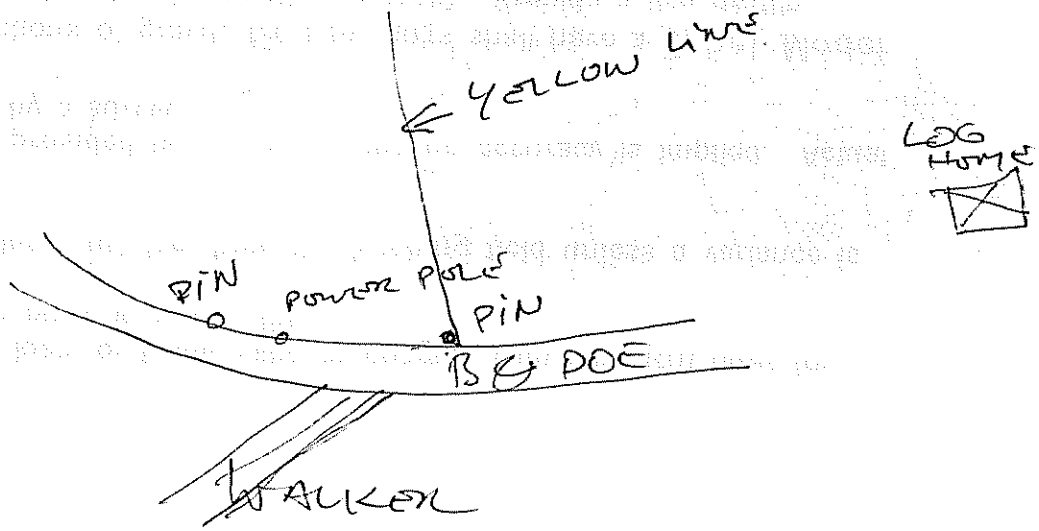
11. Systems shall be provided with adequate erosion control until adequate vegetated cover is established.

12. The design flow of the system should not be exceeded in any day.

13. Remove all vegetation and organic material under the leach field and fill extensions. Till or scarify the original soil 6-12 inches deep, where the bottom of a leach field is cut into the original grade. Caution-- avoid compaction of original soil under the bed and fill extentions during construction.

14. The LPI shall inform the owner and designer of any local ordinances or requirements exceeding the Rules, prior to issuing a permit, so that the application may be properly amended.


36
10'
15'


YELLOW LINE
LOG HOME
PIN
POWER POLE
PIN
B & DOE
WALKER

Permit Amendments #0 MYA 246

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

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

PROPERTY ADDRESS

Town Or Plantation	AUGUSTA
Street Subdivision Lot #	BUCK + DOE TRAIL

PROPERTY OWNERS NAME

MAINE NEDCORP

Last: First:

Applicant Name:	
Mailing Address of Owner/Applicant (If Different)	

Permit #3343 issued 10/11/95

Caution: Permit Required

The Subsurface Wastewater Disposal System shall not be installed until a Permit is attached here by the Local Plumbing Inspector. The Permit shall authorize the owner or installer to install the disposal system in accordance with this application and the Maine Subsurface Wastewater Disposal Rules.

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.

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 — Date Approved 11/27/95

PERMIT INFORMATION

THIS APPLICATION IS FOR:
1. ☒ NEW SYSTEM
2. ☐ REPLACEMENT SYSTEM
3. ☐ EXPANDED SYSTEM
4. ☐ EXPERIMENTAL SYSTEM

SEASONAL CONVERSION
to be completed by the LPI
5. ☐ SYSTEM COMPLIES WITH RULES
6. ☐ CONNECTED TO SANITARY SEWER
7. ☐ SYSTEM INSTALLED – P# _____
8. ☐ SYSTEM DESIGN RECORDED AND ATTACHED

IF REPLACEMENT SYSTEM:
YEAR FAILING SYSTEM INSTALLED _____
THE FAILING SYSTEM IS:
1. ☐ BED 3. ☐ TRENCH
2. ☐ CHAMBER 4. ☐ OTHER: _____

THIS APPLICATION REQUIRES:
1. ☒ NO RULE VARIANCE
2. ☐ NEW SYSTEM VARIANCE Attach New System Variance Form
3. ☐ REPLACEMENT SYSTEM VARIANCE Attach Replacement System Variance Form
a. ☐ Requiring Local Plumbing Inspector Approval
b. ☐ Requires State and Local Plumbing Inspector Approval
4. ☐ MINIMUM LOT SIZE VARIANCE

DISPOSAL SYSTEM TO SERVE:
1. ☒ SINGLE FAMILY DWELLING
2. ☐ MODULAR OR MOBILE HOME
3. ☐ MULTIPLE FAMILY DWELLING
4. ☐ OTHER _____ SPECIFY

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 _____ GAL.
6. ☐ ALTERNATIVE TOILET (ONLY)
7. ☐ NON-ENGINEERED DISPOSAL AREA (ONLY)
8. ☐ ENGINEERED DISPOSAL AREA (ONLY)
9. ☐ SEPARATED LAUNDRY SYSTEM

SIZE OF PROPERTY	ZONING
2 AC±	RPDS

TYPE OF WATER SUPPLY
PROPOSED DRILLED WELL

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK
1. ☒ SEPTIC: ☒ Regular ☐ Low Profile
2. ☐ AEROBIC
SIZE: 1000 GALS.

WATER CONSERVATION
1. ☒ NONE NOT RECOMMENDED
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.)
3 BEDROOMS
270
3.2
891
89/80 = 77+
4 ROWS OF 5 PLASTIC CHAMBERS 21' x 31.25'

SOIL CONDITIONS USED FOR DESIGN PURPOSES

PROFILE	CONDITION
2	C

DEPTH TO LIMITING FACTOR: 24"+

SIZE RATINGS USED FOR DESIGN PURPOSES
1. ☐ SMALL
2. ☐ MEDIUM
3. ☒ MEDIUM-LARGE
4. ☐ LARGE
5. ☐ EXTRA LARGE

DISPOSAL AREA TYPE/SIZE
1. ☐ BED _____ Sq. Ft.
2. ☒ CHAMBER PLASTIC 1000 Sq. Ft.
☐ REGULAR ☐ H-20
3. ☐ TRENCH _____ Linear Ft.
4. ☐ OTHER: _____

DESIGN FLOW: 303 (GALLONS/DAY)

SITE EVALUATOR STATEMENT

On 9-6-95 AND 10-9-95 (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.

David L. Stubbs — Site Evaluator Signature
275 SEI Phone 845-2352
10-9-95 — Date

(Local Plumbing Inspector's Signature If permit is for Seasonal Conversion.)

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

Town, City, Plantation: AUGUSTA

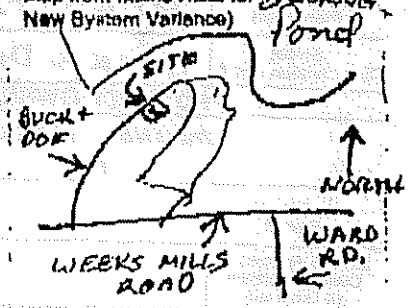
Street, Road, Subdivision: BUCK + DOE TRAIL

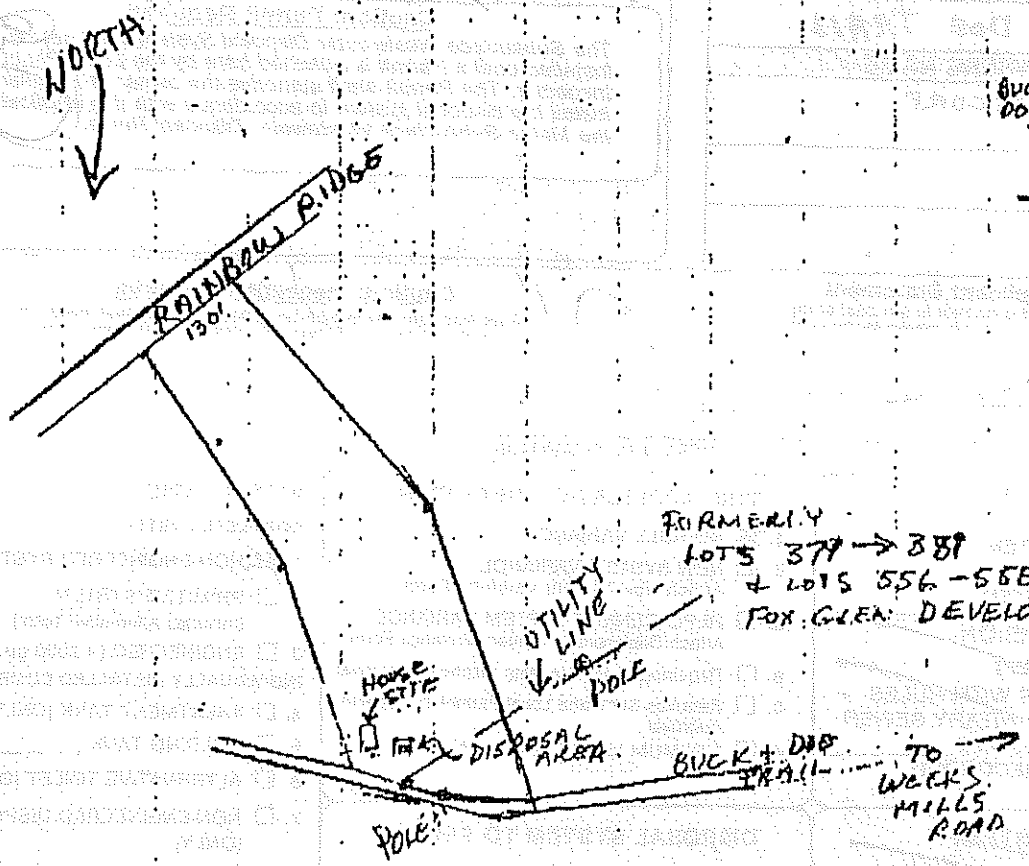
Owners Name: MAINE NEDCORP

SITE PLAN

Scale 1" = 200 FT.

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

½-½ " Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches): 0, 5, 10, 15, 20, 30, 40, 50

Texture	Consistency	Color	Mottling
LOAM		DK BN	
GRAVELLY BONEY SANDY LOAM TO LOAMY SAND	FRIABLE NO RESTRICTIVE LAYER	RED BN TAN	NONE OBSERVED
	ROOTS TO 24"		

Soil	Classification	Slope	Limiting Factor
2 (Profile)	C (Condition)	6-8 %	+24" ☐ Ground Water ☐ Impervious Layer ☐ Bedrock

Observation Hole: TP-2 ☒ Test Pit ☐ Boring

½-½ " Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches): 0, 8, 10, 15, 20, 30, 40, 50

Texture	Consistency	Color	Mottling
LOAM		DK BN	
GRAVELLY BONEY SANDY LOAM	FRIABLE	RED BROWN	
	ROOTS TO 16"	YELLOW BR	NONE OBSERVED
	LARGE ROCK OR LEDGE		

Soil	Classification	Slope	Limiting Factor
2 (Profile)	C (Condition)	14 %	24" ☐ Ground Water ☐ Impervious Layer ☐ Bedrock

David J Studer
Site Evaluator Signature

275
BE#

10-9-95
Date

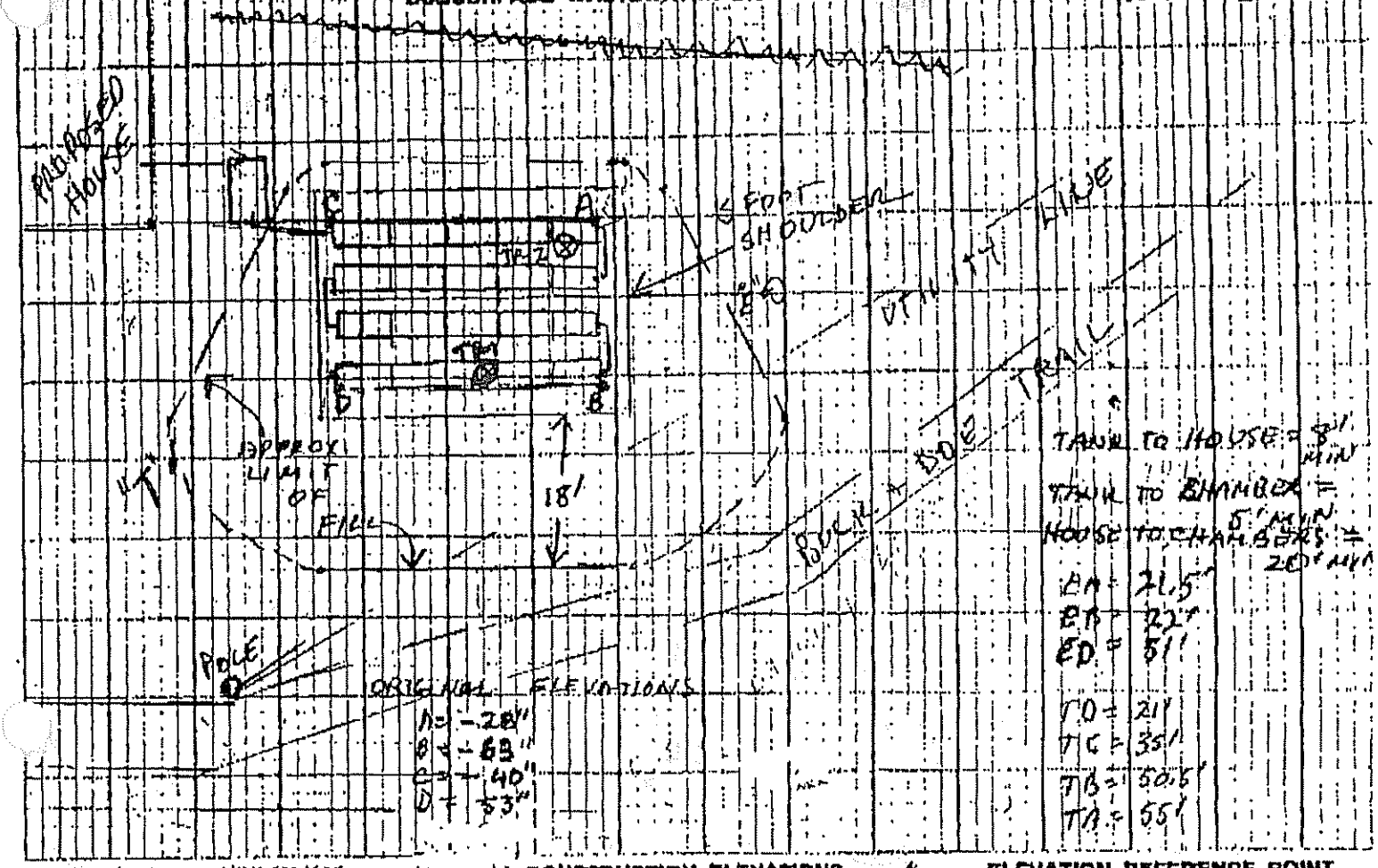
SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

Town, City, Plantation: AUGUSTA
Street, Road, Subdivision: BUCK + DOE TRAIL
Owners Name: MAINE NEDCORP

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20 Ft.



FILL REQUIREMENTS

Depth of Fill (Upslope) 18"
Depth of Fill (Downslope) 24"

CONSTRUCTION ELEVATIONS

Reference Elevation is 0"
Bottom of Disposal Area
Top of Distribution Lines of Chambers see below

ELEVATION REFERENCE POINT LOCATION & DESCRIPTION

NAIL IN TREE AT "E" ABOUT 35" ABOVE GRADE

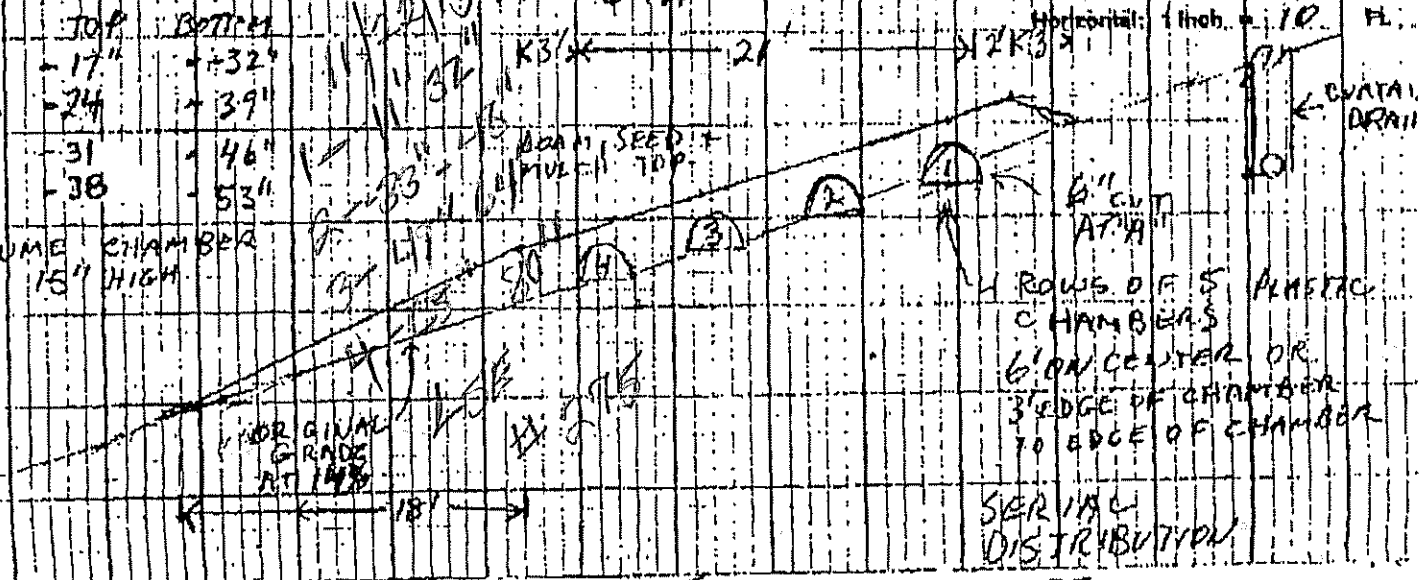
DISPOSAL AREA CROSS SECTION

Scale:
Vertical: 1 inch = 5 Ft.
Horizontal: 1 inch = 10 Ft.

CHAMBER ELEVATIONS

	TOP	BOTTOM
ROW 1	-17"	-32"
ROW 2	-24	-39"
ROW 3	-31	-46"
ROW 4	-38	-53"

ASSUME CHAMBER IS 15" HIGH



David J Studer
Site Evaluator Signature

275
SE#

10-9-95
Date