M9 L43

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

PROPERTY ADDRESS

Town Or Plantation	AUGUSTA
Street Subdivision Lot #	347 LEIGHTON ROAD

PROPERTY OWNERS NAME

GOODWILL INDUSTRIES OF ME
Last: First:

Applicant Name:	Brian Sylvester
Mailing Address of Owner/Applicant (If Different)	Manchester, Me

AUGUSTA Caution: Permit Rec. 2946 TOWN COPY

Date Permit Issued: 4 20 94 $ 2450 FEE ☐ If Double Fee Charged

Local Plumbing Inspector Signature L.P.I. # 808

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.

Brian Sylvester 4/19/94
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

George A. [signature] 7/18/94
Local Plumbing Inspector Signature Date Approved

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	ZONING
5 AC+	

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 INDUSTRIAL BUILDING
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
PUBLIC

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK
1. ☒ SEPTIC: ☒ Regular ☐ Low Profile
2. ☐ AEROBIC
SIZE: 1500 + 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: 50 GALS.

CRITERIA USED FOR DESIGN FLOW (BEDROOMS, SEATING, EMPLOYEES, WATER RECORDS, ETC.)
AVERAGE OF WATER RECORDS DATA PLUS 15%
DESIGN FLOW: 768 (GALLONS/DAY)

SOIL CONDITIONS USED FOR DESIGN PURPOSES

PROFILE	CONDITION
9	C

DEPTH TO LIMITING FACTOR: 16

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 1920 Sq. Ft.
☐ REGULAR ☒ H-20
3. ☐ TRENCH _____ Linear Ft.
4. ☐ OTHER: _____

SITE EVALUATOR STATEMENT

On 7-29-92 (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.

Mark [signature] 262 3-29-94
Site Evaluator Signature SE# 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

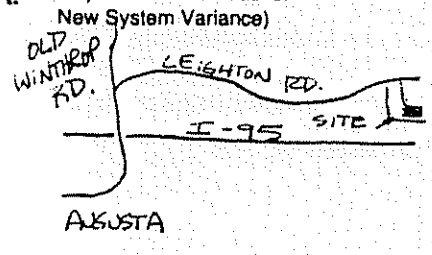
Street, Road, Subdivision: LEIGHTON ROAD

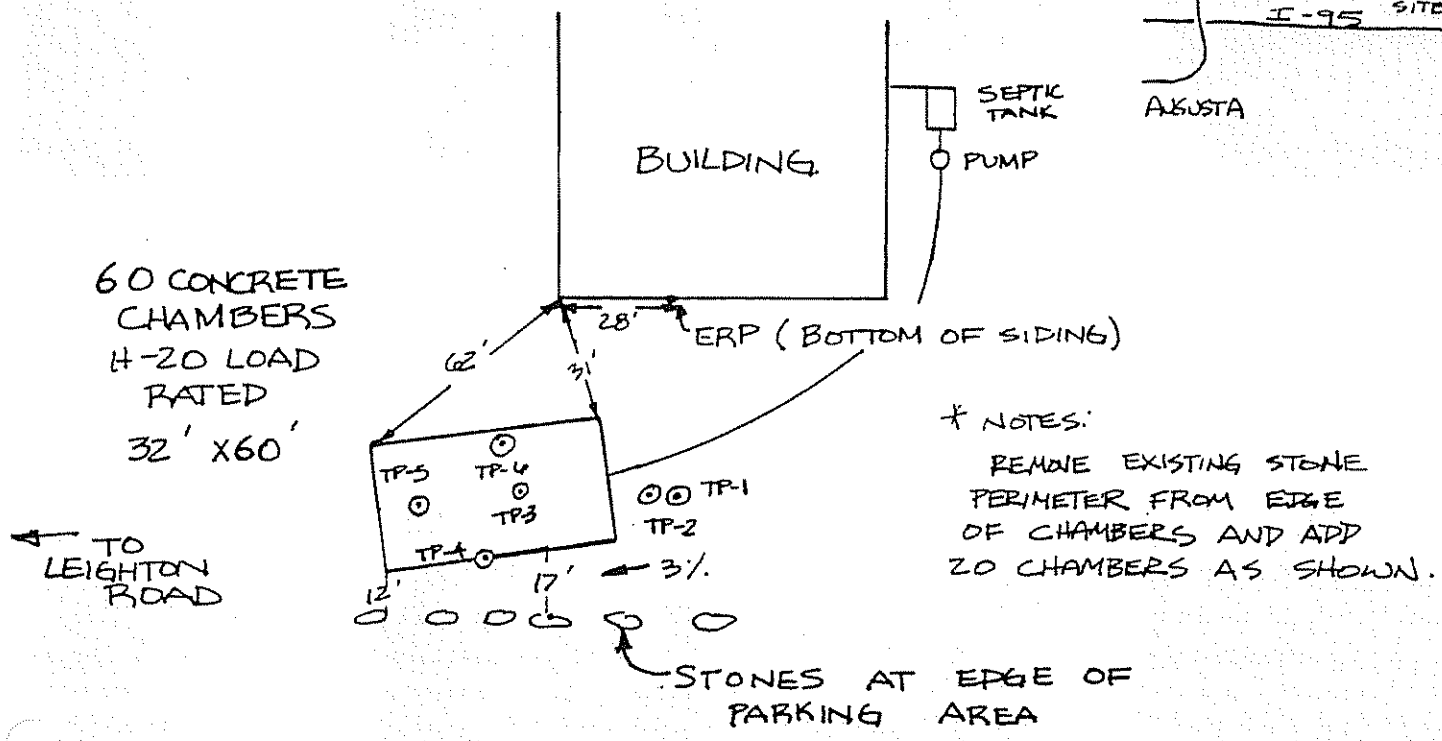
Owners Name: GOODWILL INDUSTRIES OF ME

SITE PLAN

Scale 1" = 50 Ft.

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





* NOTES:
REMOVE EXISTING STONE PERIMETER FROM EDGE OF CHAMBERS AND ADD 20 CHAMBERS AS SHOWN.

REVISED 3-29-94 (ADDED CHAMBERS)

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

Observation Hole TP-3 ☒ Test Pit ☐ Boring

_____" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)

Depth	Texture	Consistency	Color	Mottling
0–15	GRAVELLY SANDY FILL	LOOSE	MIXED	NONE
40–50	49"-65" loamy fill; 65" original topsoil	FIRM AT 71"		

Soil Profile	Classification Condition	Slope	Limiting Factor	
9	C	1-3 %	—	☐ Ground Water ☐ Restrictive Layer ☐ Bedrock

Observation Hole TP-4 ☒ Test Pit ☐ Boring

_____" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)

Depth	Texture	Consistency	Color	Mottling
6–15	STONY COBBLY GRAVELLY SAND FILL	LOOSE	MIXED	
40–50	VERY FINE SANDY SILT LOAM (STRIPPED)	FIRM	OLIVE	COMMON

Soil Profile	Classification Condition	Slope	Limiting Factor	
9	C/D	1-3 %	36"	☒ Ground Water ☒ Restrictive Layer ☐ Bedrock

Site Evaluator Signature: [signature]

SE#: 262

Date: 9-15-92

HHE-200 Rev. 1/84

ORIGINAL SOIL BORING BY
WILLIAM. RIDEOUT

SOIL PROFILE DESCRIPTION Location of Observation Holes shown on page 2

TEXTURAL DESCRIPTION OF EACH SOIL STRATA ENCOUNTERED			
	Observation Hole No. ___ ○ Test Pit ☒ Boring	Observation Hole No ___ ○ Test Pit ○ Boring	Observation Hole No. ___ ○ Test Pit ○ Boring
	Organic Strata or (Existing Fill) Thickness +1"	Organic Strata or (Existing Fill) Thickness ___"	Organic Strata or (Existing Fill) Thickness ___"
	1st Original Mineral Soil Strata B. Si. L. Depth from 0" to 8" Thickness 8"	1st Original Mineral Soil Strata Depth from 0" to ___" Thickness ___"	1st Original Mineral Soil Strata Depth from 0" to ___" Thickness ___"
	2nd Y. B. Si. L. Depth from 8" to 16" Thickness 8"	2nd Depth from ___" to ___" Thickness ___"	2nd Depth from ___" to ___" Thickness ___"
	3rd O. G. C/S Depth from 16" to 32 Thickness 16"	3rd Depth from ___" to ___" Thickness ___"	3rd Depth from ___" to ___" Thickness ___"
	4th Depth from ___" to ___" Thickness ___"	4th Depth from ___" to ___" Thickness ___"	4th Depth from ___" to ___" Thickness ___"
	Total Depth of Observation Hole 32"	Total Depth of Observation Hole ___"	Total Depth of Observation Hole ___"
Depth from top of ORIGINAL MINERAL SOIL	Maximum Seasonal High Ground ○ None evident Water Table Depth 16"	Maximum Seasonal High Ground ○ None Evident Water Table Depth ___"	Maximum Seasonal High Ground ○ None evident Water Table Depth ___"
	Depth to Restrictive Layer ○ None evident 19"	Depth to Restrictive Layer ○ None evident ___"	Depth to Restrictive Layer ○ None evident ___"
	Depth to Bedrock ☒ None evident ___"	Depth to Bedrock ○ None evident ___"	Depth to Bedrock ○ None evident ___"

PROFILE	CONDITION	SLOPE	PROFILE	CONDITION	SLOPE	PROFILE	CONDITION	SLOPE
9	C	8 %			%			%

DISPOSAL SYSTEM PROPOSED Location of system and Details on Proposed Plan on page 2

TYPE OF SYSTEM

☒ Combined System
Separated System
If separated system, type of black waste disposal system to be used:
○ Compost
○ Pit Privy
○ Sealed Vault Privy
○ Other:
Specify: ___
○ Separated Laundry System
○ Primitive System
○ Holding Tank

TREATMENT TANK

☒ Septic Tank
○ Aerobic Tank
Size 1000 Gals.

DOSAGE

☒ Pumping is not required
○ Pumping is required
The dose should be: ___ Gals.
Dosage chamber capacity shall be ___ gals.
○ System should be vented

SUBSURFACE DISPOSAL AREA/TYPE

○ Trench Disposal Area
Total linear feet of trench ___ ft.
Number of Trench lines ___ ft.
Length of each trench line ___ ft.
Depth of Stone ___ inches.
Reduction on trench length due to stone depth ___ %

☒ Bed Disposal Area
Total bed area 900 sq. ft.
Number of beds 1
Width 20 ft. Length 45 ft.

○ Chamber Disposal Area
Total chamber area ___ sq. ft.
Number of clusters ___
Width ___ ft. Length ___ ft.
○ H-20 required

SYSTEM SIZE RATING

○ Small ○ Medium ○ Medium Large ○ Large ☒ Extra Large

DISPOSAL AREA ELEVATION

Depth of Upslope Fill required 20 inches.
Depth of Downslope Fill required 34± inches.
Reference Elevation Point established at 0 Elevation.
Disposal Area Bottom to be established at -24" Elevation.
Top of Distribution Lines or Top of Chambers -12" Elevation.

☒ Yes ○ No: The proposed subsurface disposal area will be located at least 100 feet from any and all wells, springs, surface water bodies and courses (lake, pond, ocean, brook stream, river), swamps, marshes, and bogs.

☒ Yes ○ No: The proposed subsurface disposal area will be located at least 300 feet from any and all wells and springs producing 2000 gallons or more of water per day and any public water supplies.

FOR USE BY SITE EVALUATOR VALID COPY ONLY WITH EMBOSSED SEAL

On 11/3/80 (date), a site investigation for this project was completed. I conducted this soil evaluation and certify that the results indicated above best represent the soil conditions found. I recommend the above type and size of subsurface wastewater disposal system. I also recommend the proposed disposal system layout and location shown on page 2.

Signature of Site Evaluator [signature] Date signed 11/3/80 Site Evaluator License Number 51

FOR USE BY OWNER/APPLICANT

I certify that all the information submitted to be true and correct to the best of my knowledge. I understand that any falsification of this application is reason to deny a permit to install a disposal system and that the permit is valid for a six (6) month period from the date of permit issuance. I also understand that no guarantee is intended or implied by reason of any advice or approval given.

Signature of Owner/Applicant X [signature] Date Signed 11-5-80

FOR USE BY LPI: ○ This Application is approved. If conditions, specify.
○ This Application is Denied due to: ○ System is not in accordance with Rules. ○ Application is incomplete. ○ Application is unclear. ○ Development is in violation of other Regulations. Specify ___

Signature of LPI Richard G. Baker Date 11-5-80

PERMIT NO. 4 2 5 0 7 E Date Issued 11/5/80

HHE-200 RV7/80

GOODWILL INDUSTRIES OF MAINE

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

Observation Hole TP-5 ☒ Test Pit ☐ Boring

_____" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)

Texture	Consistency	Color	Mottling
STONY COBBLY GRAVELLY SAND FILL	LOOSE	MIXED	NONE
↓ 55"			

Soil Profile	Classification Condition	Slope	Limiting Factor	
		1-3 %	—	☐ Ground Water ☐ Restrictive Layer ☐ Bedrock

Observation Hole TP-6 ☒ Test Pit ☐ Boring

_____" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)

Texture	Consistency	Color	Mottling
STONY GRAVELLY COBBLY SAND FILL	LOOSE	MIXED	NONE
SANDY FILL ↓ 60" MIN			

Soil Profile	Classification Condition	Slope	Limiting Factor	
		1-3 %	—	☐ Ground Water ☐ Restrictive Layer ☐ Bedrock

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
GRAVELLY SANDY FILL	LOOSE	MIXED	
SILT LOAM (STRIPPED)	FIRM	OLIVE	COMMON

Soil Profile	Classification Condition	Slope	Limiting Factor	
9	C/D	1-3 %	34	☒ Ground Water ☒ Restrictive Layer ☐ Bedrock

Observation Hole TP-2 ☒ Test Pit ☐ Boring

_____" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)

Texture	Consistency	Color	Mottling
GRAVELLY SANDY FILL	LOOSE		
SILT LOAM (STRIPPED)	FIRM	OLIVE	COMMON

Soil Profile	Classification Condition	Slope	Limiting Factor	
9	C/D	1-3 %	44	☒ Ground Water ☒ Restrictive Layer ☐ Bedrock

Mark Chenin
Site Evaluator Signature

262
SE#

8-31-92
Date

HHE-200 Rev. 1/84

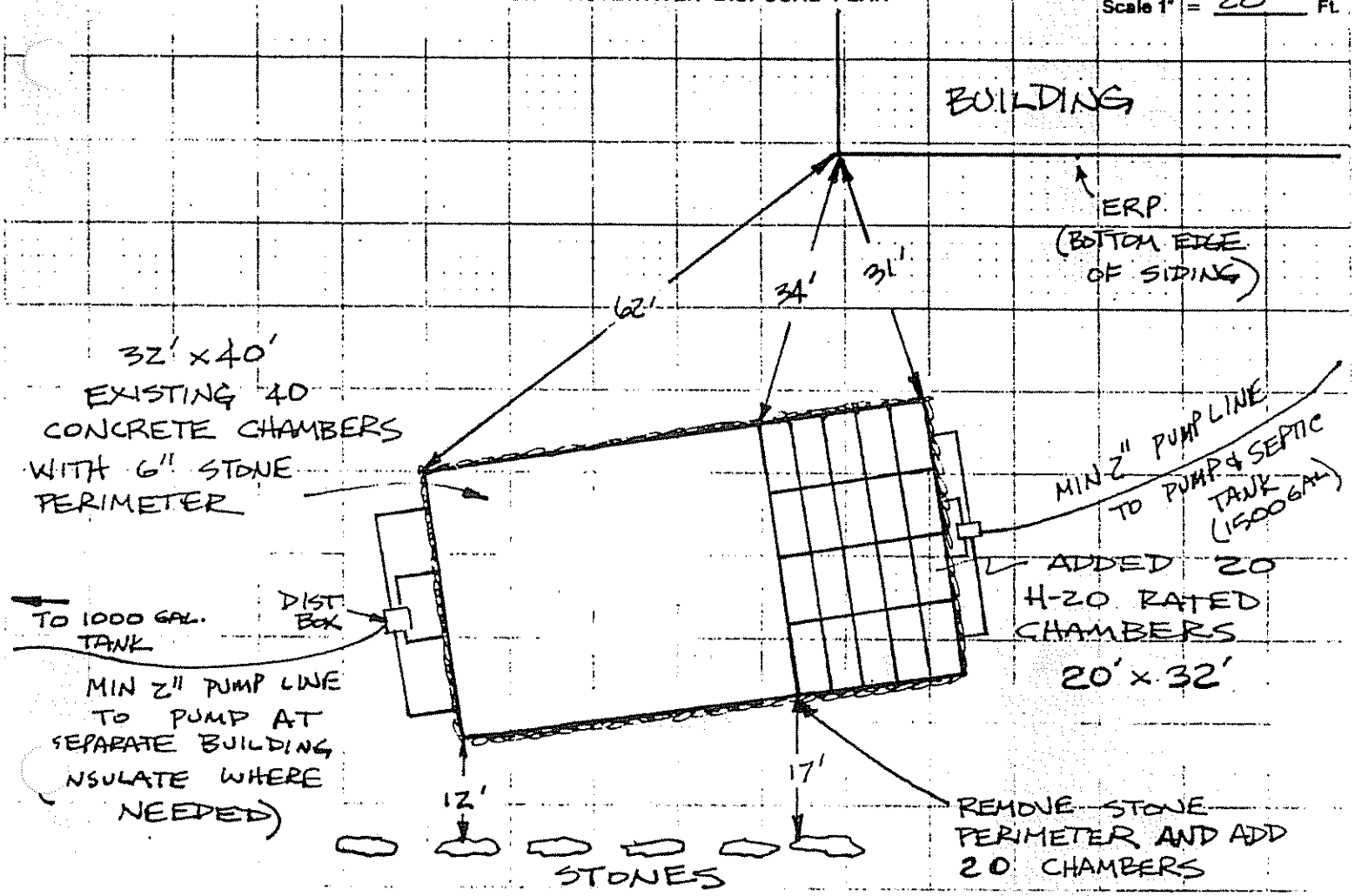
SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

Town, City, Plantation	Street, Road, Subdivision	Owners Name
AUGUSTA	LEIGHTON ROAD	GOODWILL INDUSTRIES

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20 Ft.



FILL REQUIREMENTS

Depth of Fill (Upslope) 0"
Depth of Fill (Downslope) 0"

CONSTRUCTION ELEVATIONS

Reference Elevation is 0
Bottom of Disposal Area -72"
Top of Distribution Lines or Chambers -59"

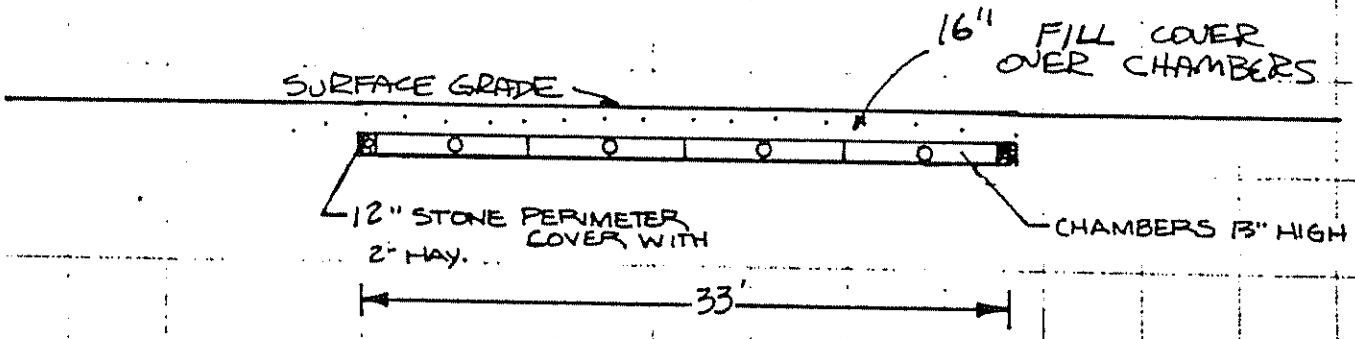
ELEVATION REFERENCE POINT LOCATION & DESCRIPTION

BOTTOM EDGE OF SIDING 28' FROM FRONT OF BUILDING

NOTE: SCARIFY GROUND SURFACE BELOW ALL FILL.

DISPOSAL AREA CROSS SECTION

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



Site Evaluator Signature	SE#	Date
[signature]	262	3-29-94

Brian Sylvester 623-3148

Sweet Associates HYDROGEOLOGY • SITE EVALUATIONS
155 GRAY ROAD • FALMOUTH, MAINE 04105 • (207) 797-2110

RECEIVED
APR 19 1994

March 31, 1994

Mr. George Soucy
Code Enforcement Officer
City of Augusta
16 Cony
Augusta, ME 04330

RE: Design flow of proposed Goodwill Industries facility, Leighton Road, Augusta.

Dear Mr. Soucy:

Mr. Kevin Gillespie of Goodwill Industries of Maine has asked me to re-interpret the design flow of the proposed Leighton Road facility and to provide you an amended HHE-200 with added explanations. As I discussed with you via the telephone, I made a search of water use records for the existing facility at 108 Arsenal St., Augusta. Mr. Gillespie informs me the Leighton Road operation will be very similar in size and scope.

The water records from 108 Arsenal Street indicate an average daily water use of 700 gpd. The facility is fitted with standard-flush toilets.

The Leighton Road facility will be fitted with low-flush toilets, and I expect total water use will be reduced.

The HHE-200 dated 7-29-92 for Goodwill Industries was based on Table 7-2 of the Plumbing Code. The design flow for this system is 512 gpd. This is the system that is now installed at Leighton Road.

It seems to me the installed system should be expanded. If twenty H-20 load rated chambers were added to the existing 40 chambers, as shown on the accompanying design, the design flow would be 768 gpd. This enlarged system will be more appropriate for the proposed use of the building.

If you have any questions, please call me.

Sincerely,

Mark Cenci

STATE OF MAINE
MARK
CENCI
No. 262
LICENSED SITE EVALUATOR

MTC/nls

cc: Kevin Gillespie, Goodwill Industries