M 53 L 23A

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

AUGUSTA Subsurface Permit Fee 3048 TOWN COPY
Date Permit Issued: 8/31/94 $ 60.00 FEE ☐ If Double Fee Charged
Local Plumbing Inspector Signature L.P.I. # 180.0

Rvd | inspection 9/12/94 | 2 day | START

PROPERTY ADDRESS

Town Or Plantation	AUGUSTA
Street Subdivision Lot #	DALTON RD.

PROPERTY OWNERS NAME

Last: RYAN First: ALLEN

Applicant Name:	D/BA NORTH CENTER FOOD SERVICE
Mailing Address of Owner/Applicant (If Different)	P.O. BOX 2628 AUGUSTA, ME 04338

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: [signature] Date: 8/31/94

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 _____

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 N/A
THE FAILING SYSTEM IS:
1. ☐ BED 3. ☐ TRENCH
2. ☐ CHAMBER 4. ☐ OTHER: _____

SIZE OF PROPERTY	ZONING
13.12 ACRES	SHORELAND

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 WHAREHOUSE & OFFICE EXPANSION (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
DRILLED WELL

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK
1. ☑ SEPTIC: ☑ Regular ☐ Low Profile
2. ☐ AEROBIC
SIZE: 3,000 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: 250 GALS.

CRITERIA USED FOR DESIGN FLOW (BEDROOMS, SEATING, EMPLOYEES, WATER RECORDS, ETC.)
ADDITIONAL INSIDE EMPLOYEES UP TO 78 AT 25 GPD PER EMPLOYEE (SEE ATTACHED DESIGN FLOW BASIS)

SOIL CONDITIONS USED FOR DESIGN PURPOSES

PROFILE	CONDITION
4/5	B/C

DEPTH TO LIMITING FACTOR: 42.

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 1032 Sq. Ft.
☑ REGULAR ☐ H-20
3. ☐ TRENCH _____ Linear Ft.
4. ☐ OTHER: _____

DESIGN FLOW: 1950 (GALLONS/DAY)

SITE EVALUATOR STATEMENT

On 3/21/94 & 4/25/94 (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 Signature _____ SE# 181 Date 4-27-94

(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

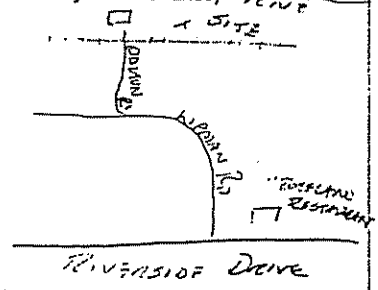
Street, Road, Subdivision: DALTON

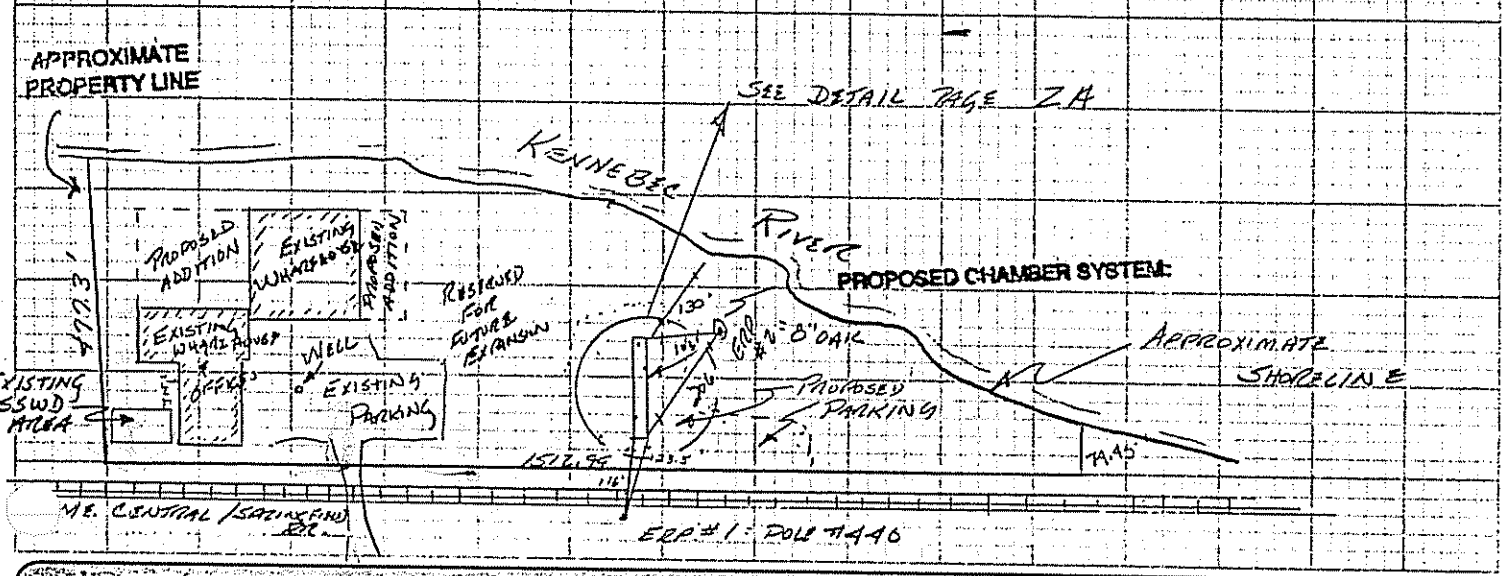
Owners Name: A. RYAN D/B/A NORTHCENTER FOOD SERVICE

SITE PLAN

Scale 1" = 300' Ft.

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





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

Observation Hole TP-3 ☑ Test Pit ☐ Boring

N/A " Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)

Depth	Texture	Consistency	Color	Mottling
0–6	LOAMY SAND	FRIABLE	OLIVE BROWN	NONE EVIDENT
6–50			OLIVE BROWN	FEW FAINT

Soil Profile	Classification Condition	Slope	Limiting Factor	
4/5	C	3-4 %	42"	☑ Ground Water ☐ Restrictive Layer ☐ Bedrock

Observation Hole TP-7 ☑ Test Pit ☐ Boring

2 " Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)

Depth	Texture	Consistency	Color	Mottling
0–6	LOAMY SAND	FRIABLE	REDDISH BROWN	NONE EVIDENT
6–50	MEDIUM SANDS, FINE SANDS		OLIVE BROWN	

Soil Profile	Classification Condition	Slope	Limiting Factor	
4/5	B	0-1 %	N/E	☐ Ground Water ☐ Restrictive Layer ☐ Bedrock

Site Evaluator Signature

SE# 181

Date 4-27-94

HHE-200 Rev. 1/84

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

Town, City, Plantation: AUGUSTA

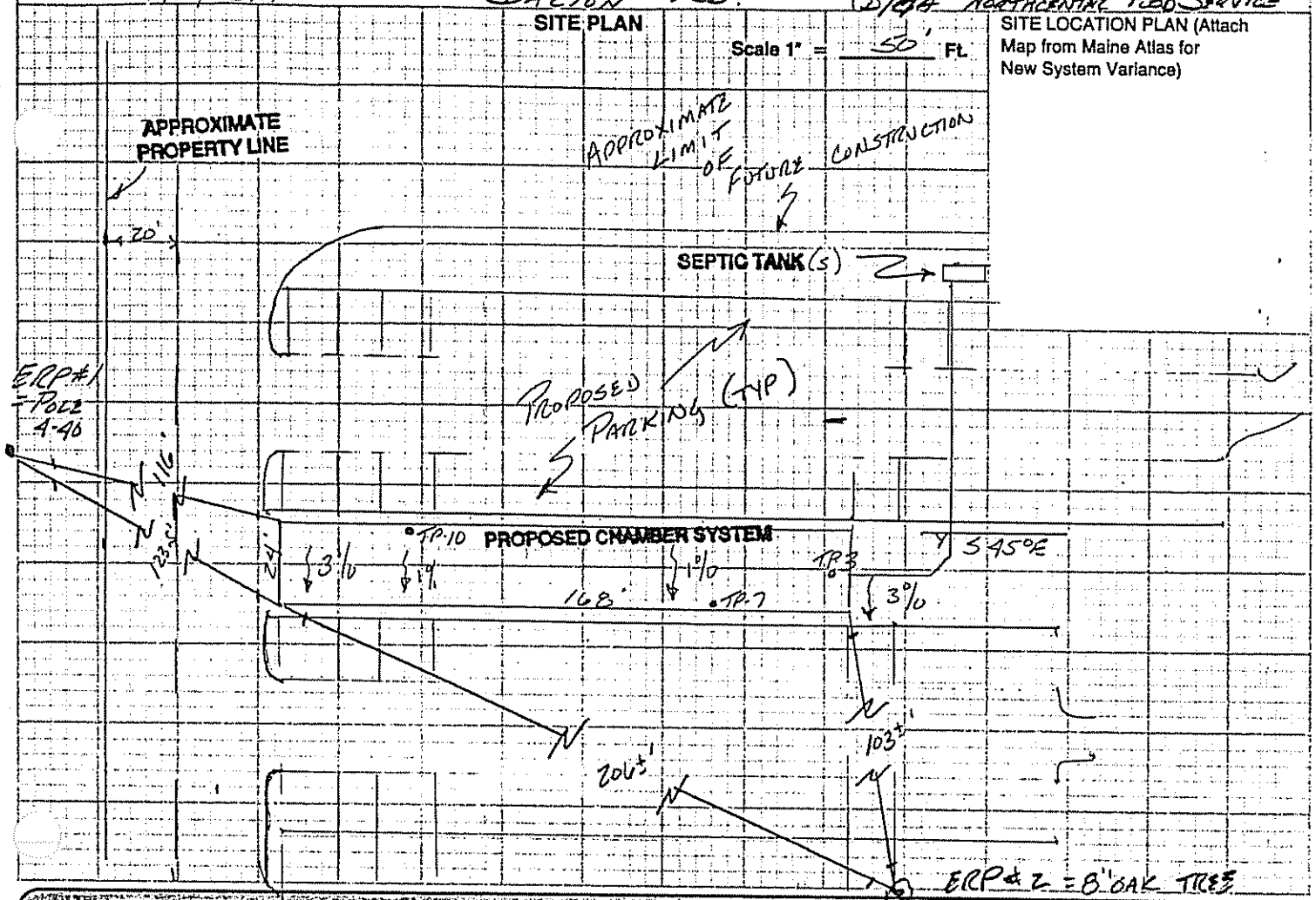
Street, Road, Subdivision: DALTON RD.

Owners Name: A. RYAN D/B/A NORTHCENTRAL FOOD SERVICE

SITE PLAN

Scale 1" = 50' 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-10 ☑ Test Pit ☐ Boring

N/A " Depth of Organic Horizon Above Mineral Soil

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
0	LOAMY SAND	FRIABLE	BROWN	NONE EVIDENT
6			REDDISH BROWN	
10				
15	MEDIUM SANDS TO LOAMY SAND		OLIVE BROWN	
20				
30				
40				
50				

Soil Profile	Classification Condition	Slope %	Limiting Factor	
4/5	B	1-3	N/E	☐ 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				
50				

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

Site Evaluator Signature

SE# 181

Date 4-27-94

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

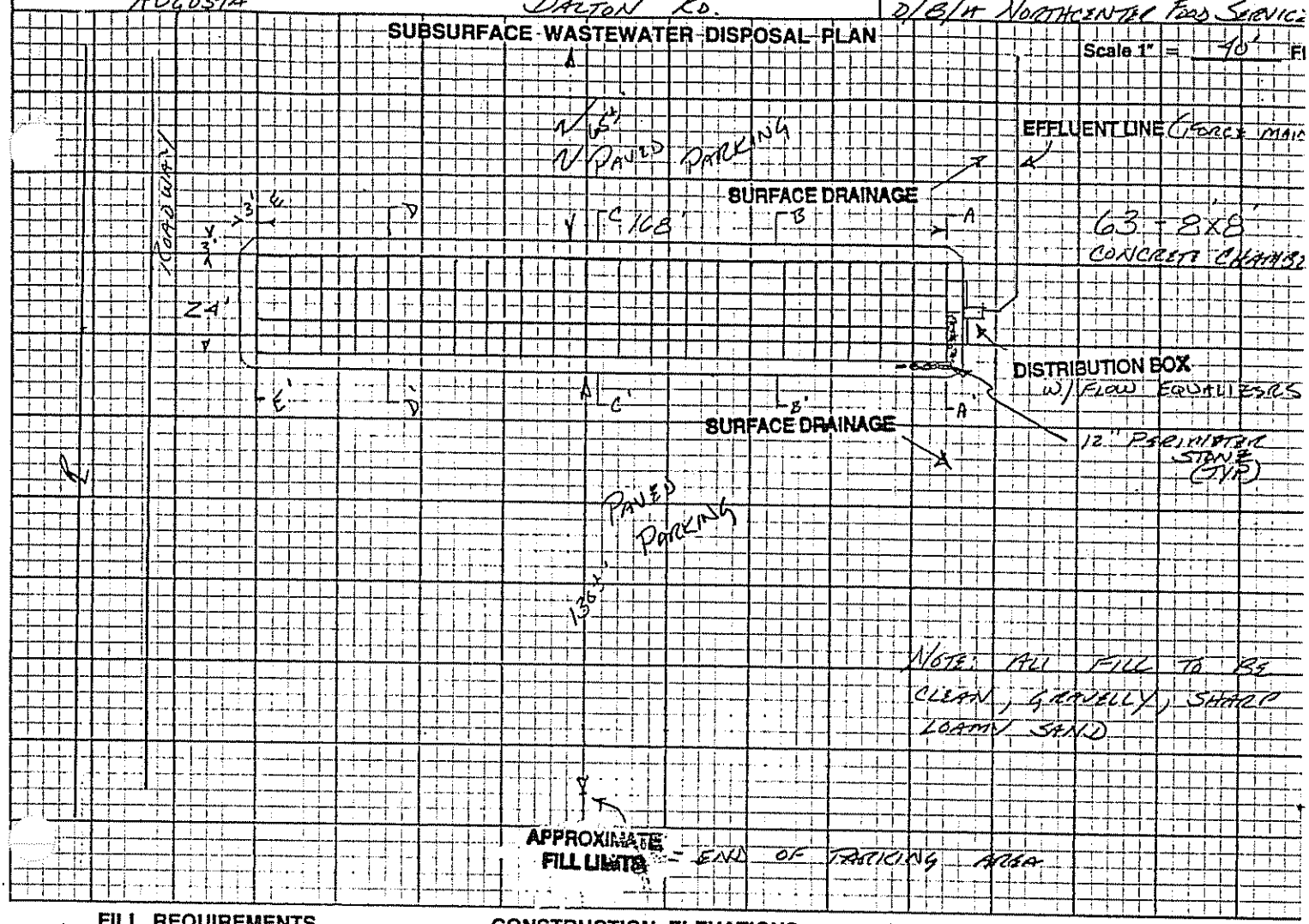
Town, City, Plantation: AUGUSTA

Street, Road, Subdivision: DALTON RD.

Owners Name: A. RYAN D/B/A NORTHCENTRAL FOOD SERVICE

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 40' Ft



FILL REQUIREMENTS

Depth of Fill (Upslope) SEE 11"

Depth of Fill (Downslope) BELOW D"

CONSTRUCTION ELEVATIONS

Reference Elevation is 51.39'

Bottom of Disposal Area 45.99'

Top of ~~Distribution Lines~~ or Chambers 47.07'

ELEVATION REFERENCE POINT LOCATION & DESCRIPTION

#1 = FLAGGED NAIL IN POWER POLE EAST OF RR TRACK 16" ABOVE GROUND

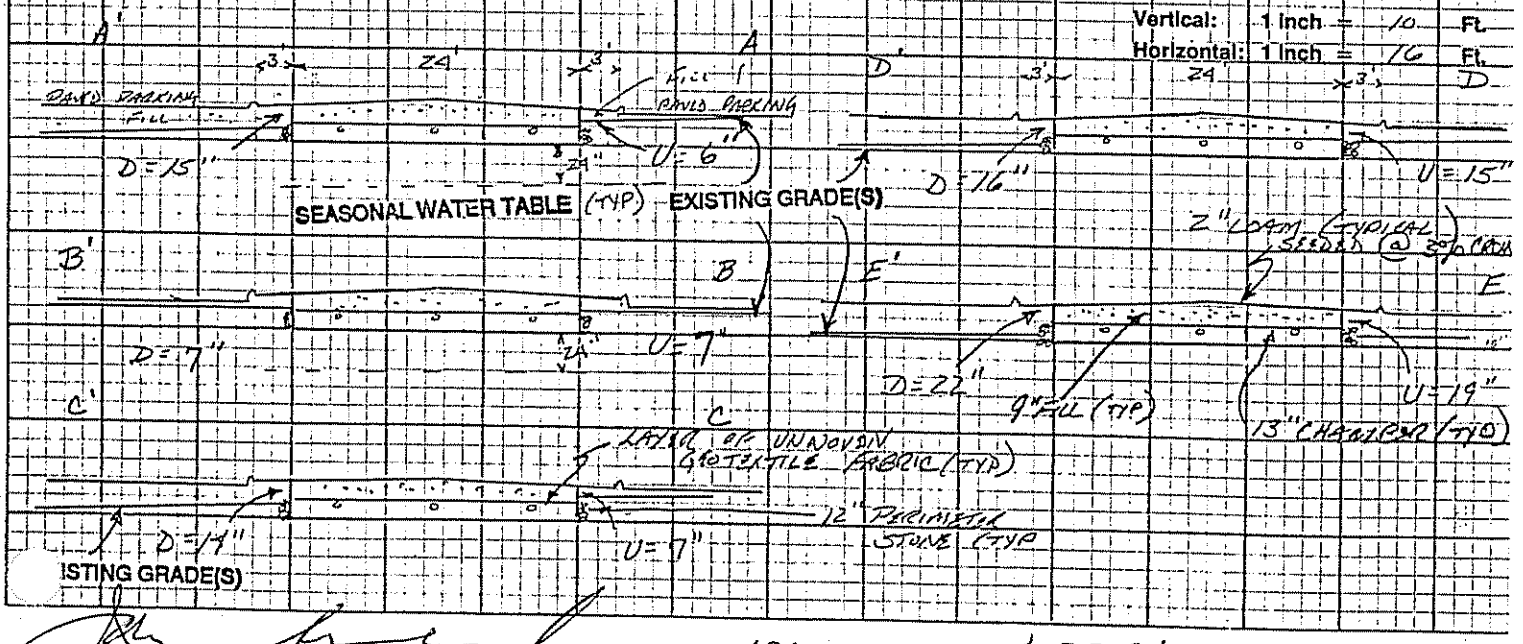
#2 = FLAGGED NAIL IN 8" OAK 7'1" ABOVE GROUND

DISPOSAL AREA CROSS SECTION

Scale:

Vertical: 1 inch = 10 Ft.

Horizontal: 1 inch = 16 Ft.



Site Evaluator Signature

181
SE#

4-27-94
Date

HHE-200 Rev. 1/8

DESIGN FLOW BASIS
PROPOSED EXPANSION FOR NORTHCENTER FOOD SERVICE
4/27/94

Existing effluent use from effluent pump monitoring during summer of 1993:

Average daily use = 1950 Gallons per Day

Total employees as of April 1993 = 130+/- Total 81 inside employees

Average daily use per employee as of April 1993 = 15 GPD/Employee or 24 GPD/inside employee

From the above data the design flow for the proposed expanded system was estimated to be 25 GPD/inside employee allowing future expansion of up to 78 inside employees. Because there is a itinerant population of salespeople, clients, drivers and guests this flow is an estimate that should cover the actual use up to the design flow of 1950 GPD.

It is recommended that the actual flow be monitored by water meters to allow expanded use up to the design flow and that the number of employees be used only as a guideline.

INSTALLATION NOTES
PROPOSED EXPANSION NORTHCENTER FOOD SERVICE
4/27/94

1. All inside plumbing in the proposed additions to be isolated from the existing plumbing and directed into the expanded system.

2. Total septic tank capacity of 3000 gallons may be achieved by placing either two 1500 gallon or three 1000 gallon tanks in series.

3. A Zabel effluent filter with 1/32" openings shall be installed and maintained on the outlet of the last tank in series.

4. All exterior gravity piping to be RT PVC SDR-35 with elastomeric seal.

5. All force main to be either 2" 150 PSI Polyethylene or RT PVC SDR-26.

6. It is recommended that water meters be installed to monitor actual use in both the existing system and the new disposal area.

7. A sand, oil, and water seperator is to be installed on any dump station into which the floor cleaning machine is to discharge.

8. All piping under the proposed paved areas to be installed in sleeves at least 2" larger in diameter than the enclosed pipe. All force main piping under paved areas to have at least 5' of cover and be insulated with at least 2" of styrofoam insallation.

9. An oil & grease seprator is recommended for the existing kitchen and required if the kitchen is relocated to discharge into the expanded system.

10. Flow equalizers shall be installed in the distribution box.

11. Cover vegetation may be grass, clover, trefoil, vetch, perennial wildflowers, or other herbaceous perrennials only.