M53621

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 #	LIPMAN ROAD

PROPERTY OWNERS NAME

CIVES STEEL COMPANY

Last: First:

Applicant Name:	SAME
Mailing Address of Owner/Applicant (If Different)	P.O. BOX 850 AUGUSTA, ME 04330

Caution: Permit Required
Do not dig, backfill, or cover until permit is issued.

Date Permit Issued: AP 15 91 $ 2260.00 TOWN FEE Double Fee Charged COPY

Local Plumbing Inspector Signature L.P.I. # 1005

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.

Curt Huber 8/5/91

622-6141 Signature of Owner/Applicant Date

CURT HUBER-H-622-6021

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 10-15-91 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 PRE 1970
THE FAILING SYSTEM IS: (OVERLOADED)
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 INDUSTRIAL PLANT
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
15+ AC	SHORELAND

TYPE OF WATER SUPPLY
EXISTING WELL

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: 100 GALS.

CRITERIA USED FOR DESIGN FLOW (BEDROOMS, SEATING, EMPLOYEES, WATER RECORDS, ETC.)
STEEL PLANT WITH 70 EMPLOYEES WITH NO SHOWERS (15 g.p.d/employee)

SOIL CONDITIONS USED FOR DESIGN PURPOSES

PROFILE	CONDITION
5	C

DEPTH TO LIMITING FACTOR 66"

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 2112 Sq. Ft.
☐ REGULAR ☒ H-20
3. ☐ TRENCH _____ Linear Ft.
4. ☐ OTHER: _____

DESIGN FLOW: 1050 g.p.d.
(GALLONS/DAY)

SITE EVALUATOR STATEMENT

On 7-24-91 (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 274 SE# 7-29-91 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

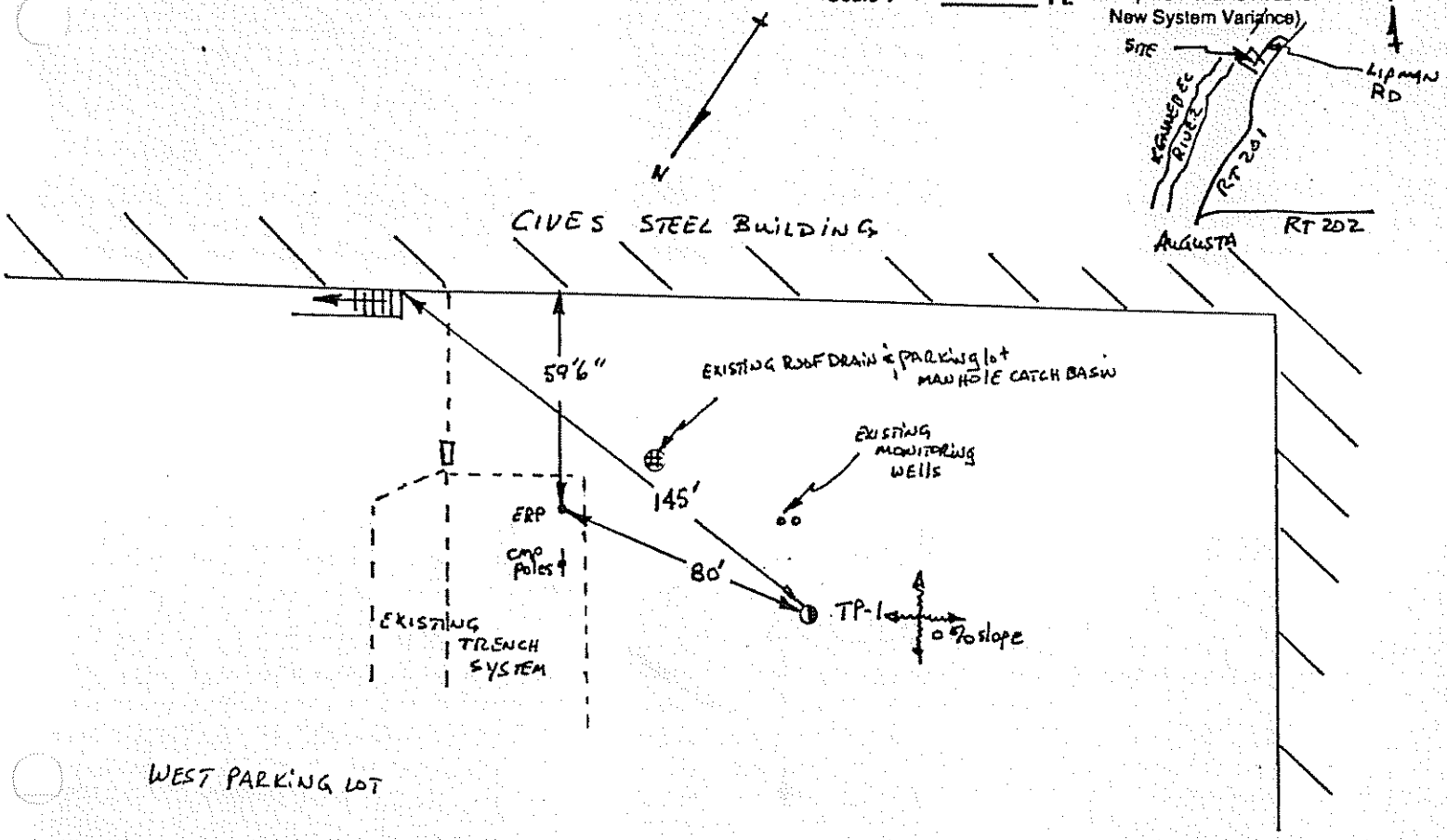
Town, City, Plantation: AUGUSTA

Street, Road, Subdivision: LIPMAN RD,

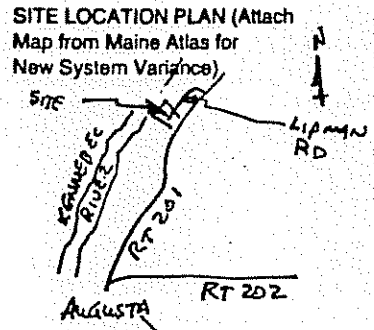
Owners Name: CIVES STEEL CO

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-1 ☒ Test Pit ☐ Boring

0" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)

Depth	Texture	Consistency	Color	Mottling
0–6	old	SOMEWHAT	GRAY	
6–10	Fill	FIRM	BROWN	
10–15	gravel		TAN	
15–20	SAND MIX		MIXED	
20–33"				
33"				NONE
33"–40"	LOAMY SAND		BROWN	
40"–50"	FINE SAND	FRIABLE	RED BROWN	
50"–60"	MED SAND LAYERS		YELLOW BROWN	
60"			TO 63"	MOTTLING AT 66"

Soil	Classification	Slope	Limiting Factor	
5 (Profile)	C (Condition)	0" %	66"	☒ Ground Water ☐ Restrictive Layer ☐ Bedrock

Observation Hole _____ ☐ Test Pit ☐ Boring

_____ " Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)

Depth	Texture	Consistency	Color	Mottling
0–6	NOTE: TP-1 BACKHOE TEST PIT 74". UPPER 33" OF old FILL MIXED WITH GRAVEL, SAND & FILL ORIGINAL SOIL AT 33" to 74" DEPTH OF PIT. EXISTING SYSTEM (TRENCH) AT A DEPTH OF 5-6' (currently working but OVERLOADED WITH EXISTING FLOW.)			

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

[signature] Site Evaluator Signature

274 SE#

7-29-91 Date

HHE-200 Rev.1/84

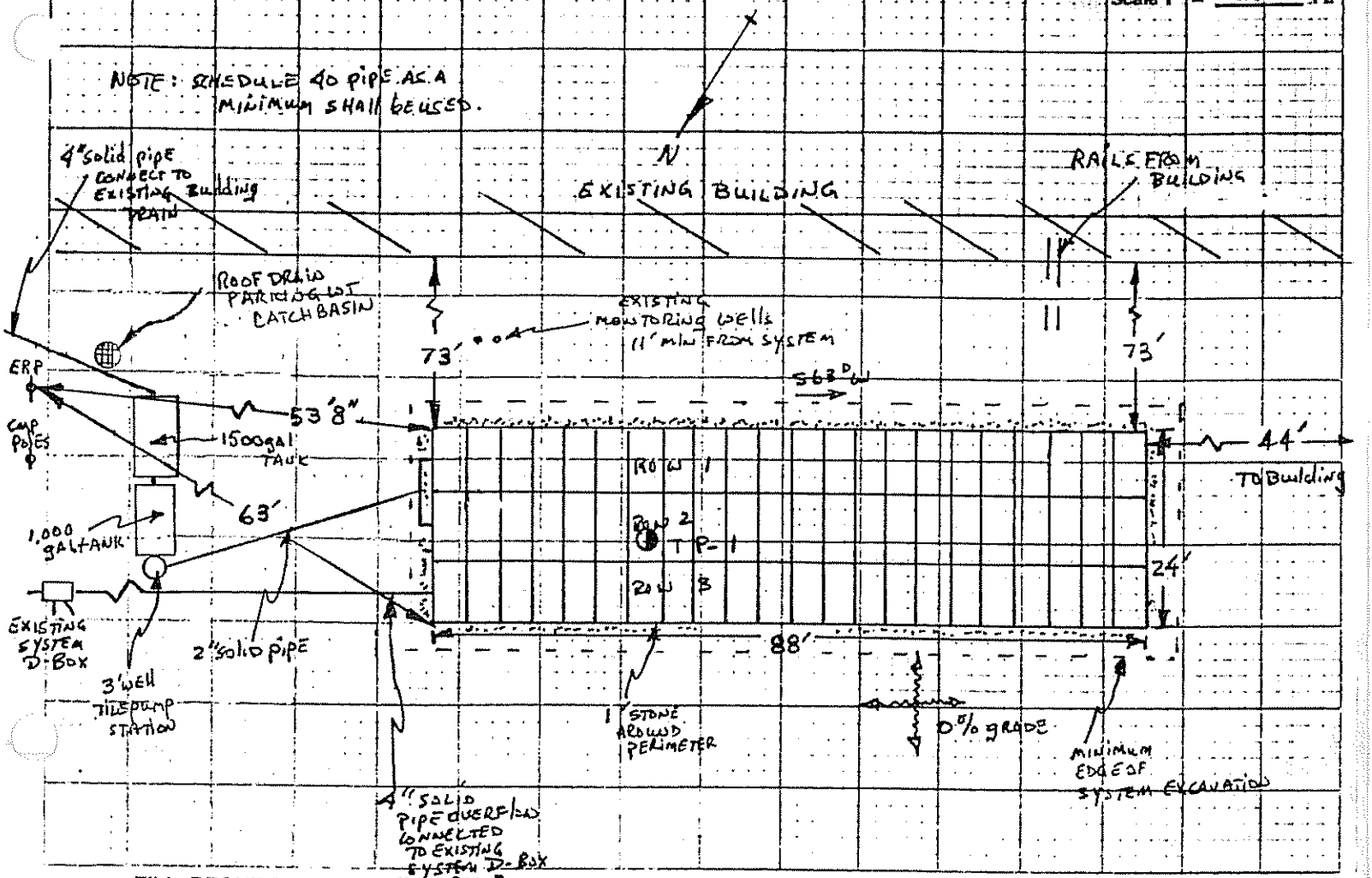
SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

Town, City, Plantation	Street, Road, Subdivision	Owners Name
AUGUSTA	LIPMAN ROAD	CIVES STEEL CO.

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20' Ft.



FILL REQUIREMENTS

Depth of Fill (Upslope) 12 FROM ROWS.

Depth of Fill (Downslope) 12"

CONSTRUCTION ELEVATIONS

Reference Elevation is SEE ATTACHED

Bottom of Disposal Area CROSS SECTION

Top of Distribution Lines or Chambers

ELEVATION REFERENCE POINT LOCATION & DESCRIPTION

NAIL IN CMP POLE # 8½ LOCATED TO NE OF SYSTEM 54" ABOVE GRADE

DISPOSAL AREA CROSS SECTION

NOTE: SEE ATTACHED CROSS SECTION

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

NOTE: PLAN REQUIRE THE INSTALLATION OF 66 - H-20 LOAD CAPACITY CONCRETE CHAMBERS IN A CLUSTER DESIGN WITH 6" OF CRUSHED STONE UNDERNEATH AND A 12" WIDE PERIMETER LAYER OF CRUSHED STONE AROUND CHAMBERS.

FILTER FABRIC SHALL BE PLACED ON TOP OF CHAMBERS (2" LAYER OF HAY MAY BE SUBSTITUTED) COVERING THE PERIMETER STONE LAYER AND THEN A 2" MINIMUM LAYER OF FOAM INSULATION SHALL BE PLACED OVER THE FILTER FABRIC SO AS TO EXTEND A MINIMUM OF 2" OUTSIDE THE PERIMETER STONE. A MINIMUM OF 3' DEEP OF MATERIAL (EXISTING OLD FILL) SHALL BE REMOVED FROM THIS AREA (30' by 94') AND CLEAN GRANULAR FILL SHALL BE INSTALLED TO THE ELEVATIONS SHOWN ON CROSS SECTION. A 4' PUMP STATION OR 3' SOLID BOTTOM MANHOLE SHALL BE USED. CONCRETE RISER SHALL BE INSTALLED ON EACH TANK AND THE PUMP STATION. HEAVY DUTY TANKS SHALL BE USED.

Site Evaluator Signature	SE#	Date
[signature]	274	7-29-91

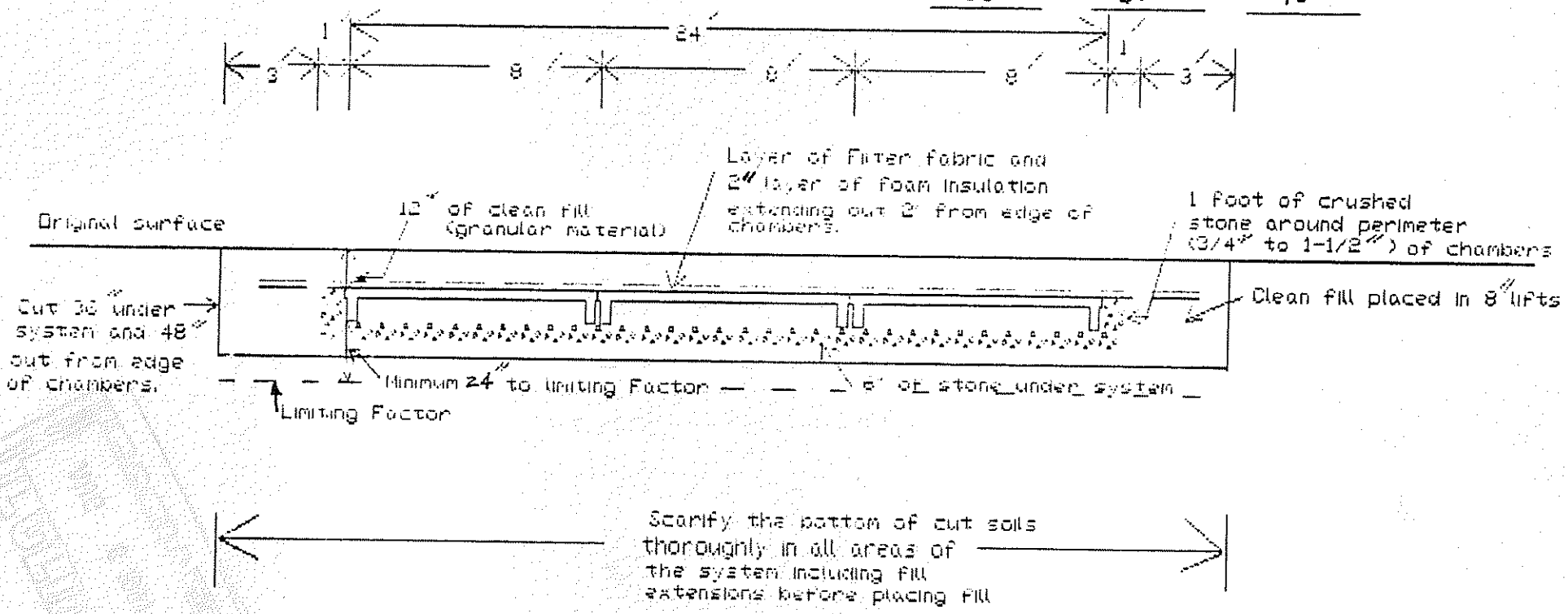
AUGUSTA LIPMAN ROAD

ATTACHMENT TO FORM HHE-200

ELEVATION NOTES

Top of Chambers	Bottom of Chambers	Bottom of Initial Cut
- 68"	- 81"	- 93"

Reference elevation = 0"



SCALE:

vertical: 1 inch = 5 feet

Horizontal: 1 inch = 5 feet

Arthur W. Dutton 274 DATE: 7-29-91

Arthur W. Dutton L.S.E. # 274