Contractor Nadeau 622-5257 0966 Town Copy ✓

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

10077933

## PROPERTY ADDRESS

| | |
|---|---|
| Town Or Plantation | Augusta |
| Street Subdivision Lot # | Wilson S. L-20 |

## PROPERTY OWNER'S NAME

Last: LeClec First: Alain

| | |
|---|---|
| Applicant Name: | Alain LeClerc |
| Mailing Address of Owner/Applicant (If Different) | Augusta Me 04330 |

AUGUSTA 1-204 PERMIT # 1,290 TOWN COPY

Date Permit Issued 4/4/88 $ 40.00 FEE ☐ If Double Fee Charged

Gary R. Fuller Local Plumbing Inspector Signature L.P.I. # 1850

## 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.

Alain J LeClerc 4-4-88
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.

Gary R. Fuller 5/26/88
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 |
|---|---|
| 3/4 A+ - | |

### 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. ☐ Requires 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

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
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 & ELEVATION)
3. ☐ REQUIRED DOSE: 87 GALS.

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

3 bedrooms

### SOIL CONDITIONS USED FOR DESIGN PURPOSES

| PROFILE | CONDITION |
|---|---|
| 8 | 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 1200 Sq. Ft.
2. ☐ CHAMBER _____ Sq. Ft.
   ☐ REGULAR ☐ H-20
3. ☐ TRENCH _____ Linear Ft.
4. ☐ OTHER: _____

DESIGN FLOW: 300 (GALLONS/DAY)

## SITE EVALUATOR STATEMENT

On 10/6/87 (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.

Glenn W. Ruth
Site Evaluator Signature

51
SE#

10/8/87
Date

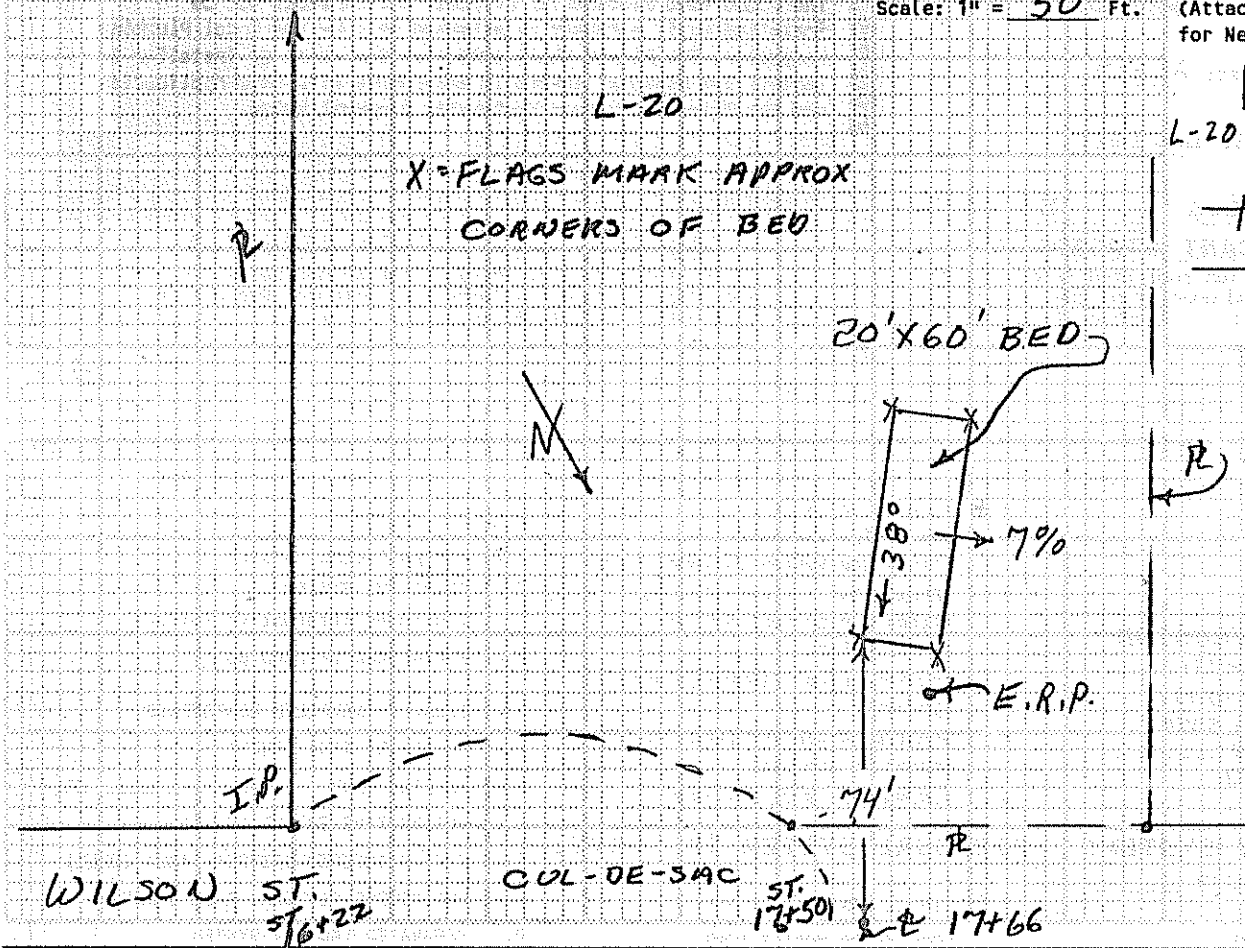
Approved for use as HHE 200 by Division of Health Engineering 9/87

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

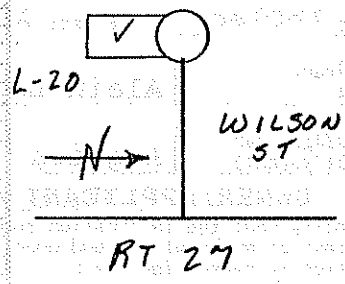
| Town, City, Plantation | Street, Road, Subdivision | Owner's Name |
|---|---|---|
| Augusta | Wilson S. L-20 | LeClec, Alain |

## 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 1 ☐ Test Pit ☒ Boring

7" Depth of Organic Horizon Above Mineral Soil

| Inches | Texture | Consistency | Color | Mottling |
|---|---|---|---|---|
| 0 | | | | |
| 6 | L | | | |
| 10 | | | | |
| 15 | | | | |
| 20 | INTER | | | |
| | F.S. | | | |
| 30 | SI | | | |
| | & | | | |
| 40 | CL | | | |
| 50 | | | | |

Depth Below Mineral Surface

| Soil Classification | Slope | Limiting Factor | |
|---|---|---|---|
| Profile: 8 Condition: C | 7 % | 16 | ☒ Ground Water ☐ Restr. Layer ☐ Bedrock |

Observation Hole _____ ☐ Test Pit ☐ Boring

_____" Depth of Organic Horizon Above Mineral Soil

| Inches | Texture | Consistency | Color | Mottling |
|---|---|---|---|---|
| 0 | | | | |
| 6 | | | | |
| 10 | | | | |
| 15 | | | | |
| 20 | | | | |
| 30 | | | | |
| 40 | | | | |
| 50 | | | | |

Depth Below Mineral Surface

| Soil Classification | Slope | Limiting Factor | |
|---|---|---|---|
| Profile: _____ Condition: _____ | _____ % | _____ | ☐ Ground Water ☐ Restr. Layer ☐ Bedrock |

Site Evaluator Signature

51
SE#

10/8/87
Date

Approved for use as Rule 200 by Division of Health Engineering 9/87

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

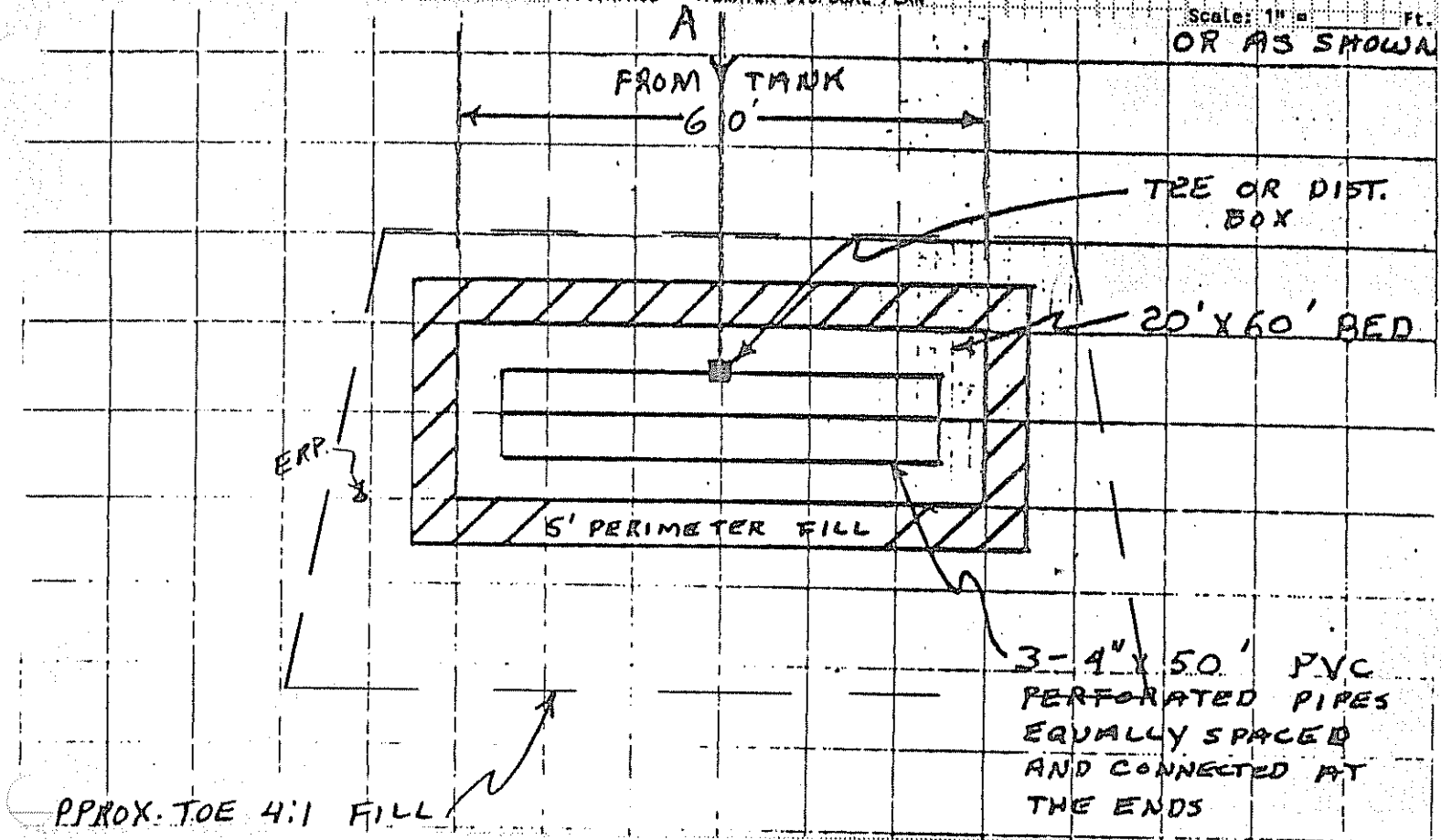
Town, City, Plantation: AUGUSTA

Street, Road, Subdivision: WILSON ST

Owner's Name: LE CLERC

## SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale: 1" = ____ Ft. OR AS SHOWN




**FILL REQUIREMENTS**

Depth of Fill (Upslope)

Depth of Fill (Downslope)

**CONSTRUCTION ELEVATION**

20" Reference Elevation is

38½" Bottom of Disposal Area

Top of Distribution Lines or Chambers

**ELEVATION REFERENCE POINT**

0

-58"

-47"

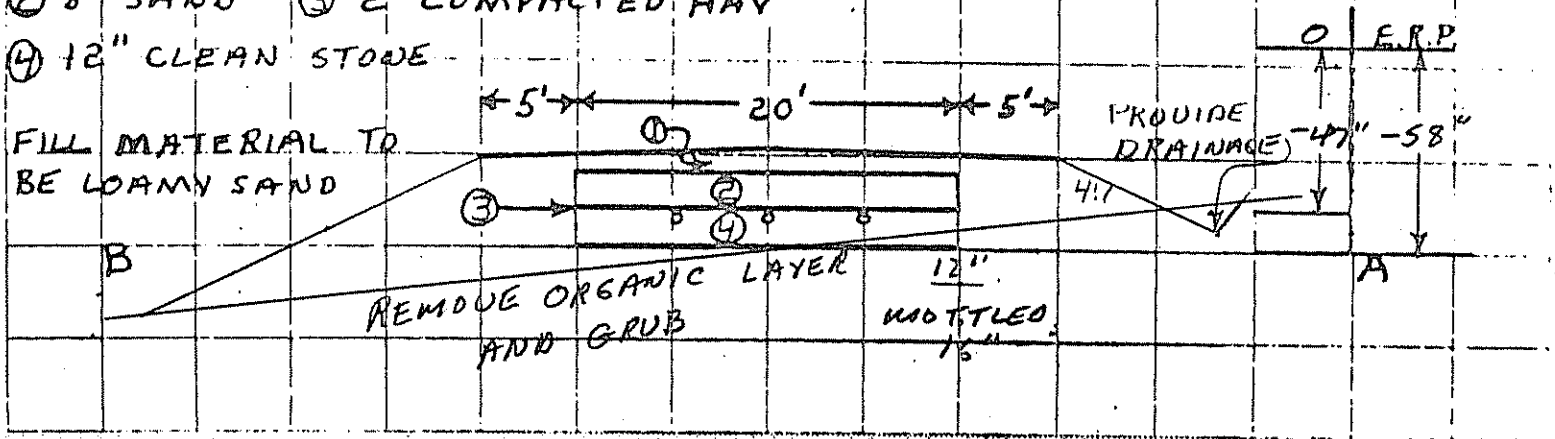
NAIL IN 5" FIR TREE

## DISPOSAL AREA CROSS SECTION

Scale:

Vertical: 1 inch = ____ Ft.

Horizontal: 1 inch = ____ Ft.




Site Evaluator Signature

#51

SE#

10/8/87

Date

Approved for use as HHE 200 by Division of Health Engineering 9/87

William W. Rideout

LICENSED EVALUATOR - CERTIFIED GEOLOGIST

RFD 5 BOX 588. GARDINER. MAINE 04345 207 582-4161

September 22, 1984

Mr. David Wilson
R.F.D. 2
Mechanic Falls, Maine 04256

Re: Preliminary Site Evaluation, Lots 20 and 21, Wilson Street, Augusta, Maine

Dear Mr. Wilson:

This letter will acknowledge my preliminary site evaluation of the subject lots. The purpose of this work was to determine the suitability of the soil for waste water disposal utilizing subsurface methods.

Following is a representative profile made at station 17+65, 55 Lt and located on Lot 20:

> +1" organic, red brown loamy fine sand grading to grey brown loamy fine sand with depth. Mottling was evident at 18 inches with no impervious layer or bedrock encountered. This soil is classified as 8-C as defined in the Maine Plumbing Code, Part II, Table 6-1. This soil requires a large rating of 4.1 square feet of disposal area per gallon of waste water generated.

The following soil profile at station 17+15, 85 Rt and located on lot 21 is:

> +2" organic, brown fine sandy loam grading to loamy fine sand with depth. Mottling was evident at 17 inches with no impervious layer or bedrock encountered. This soil profile is also classified as 8-C with the same requirements as for lot 20.

The above station and offset information was taken from newly placed survey stakes for the proposed roadway.

If I can be of further assistance to you please let me know.

Yours truly,

William W. Rideout, L.E.#51

SUBDIVISION SOIL REPORTS

SITE EVALUATIONS


# WILLIAM W. RIDEOUT
## LICENSED EVALUATOR AND CERTIFIED GEOLOGIST

RFD 1, BOX 5880
GARDINER, MAINE 04345

207-582-4161


Alain LeClerc

Augusta, Me 04330

DATE 10/8/87

| | |
|---|---|
| Site evaluation, Wilson S. L-20, Augusta | $190. |
| Payment received. Thank you. | |

TERMS: Net 10 days. Balances unpaid after 30 days from date of Invoice are subject to a late payment charge of 1½% per month, or maximum allowed by law, if different, together with expense incidental to collection, including reasonable attorney's fees.

YOU SHOULD HAVE YOUR SEPTIC TANK PUMPED OUT EVERY 2 TO 3 YEARS. THIS WILL PROLONG THE LIFE OF YOUR SEPTIC FIELD.

## ADDITIONAL INFORMATION ABOUT YOUR SEPTIC SYSTEM

1. If you plan to install a garbage disposal in your home you should have the next available size septic tank installed. An alternative to this is the installation of a Zabel Industries Inc. Multi-purpose Filter, Model #A100, on the outlet of your septic tank. Substitutes to the above filter possible if they perform at the same level of efficiency or better. These procedures will assist in controlling the increased $BOD_5$ and SS attributable to garbage disposals.
2. Water softners should drain to a separate grey water disposal system.
3. Your septic tank must be installed level and all joints, inspection covers etc. must be water tight. The same is necessary for a pump tank if your system requires one.
4. Your system is designed to handle laundry waste water provided a separated laundry system is not indicated on Page 1 of your HHE-200 form and the total daily design flow shown on Page 1 is not exceeded.

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## EXCERPTS FROM MAINE PLUMBING CODE

[1] The vegetation in the proposed disposal rea nd fill extensions shall be removed and he ground surface scarified to minimize glazing f the original soil.

[2] The bottom of the disposal area and istribution line shall be level with a maximum rade tolerance of 1 inch per 100 ft.

[3] Fill shall be free of foreign material, laced in 8 inch lifts and compacted as placed. ill shall be sandy loam or coarser and pecified on Application.

[4] The finish grade of the backfill over the isposal area shall be crowned from the center f the disposal area at a 3% slope and extend 3 t. beyond the edge of the disposal area. At hat point the fill shall be sloped at a uniform rade of no greater than 25% [4:1] to the riginal ground.

[5] The land adjacent to the disposal area hall be graded to prevent both the accumulation f surface water on the disposal area, and the low of surface water across the disposal area.

[6] The finished disposal area and fill xtensions shall be seeded to prevent erosion.

[a] Grass, clover, trefoil, vetch, perennial ildflowers, or other herbaceous perennials may e ilized for disposal area surfaces.. Woody hr are unacceptable.

[b] Woody shrubs in conjunction with a hardy erennial ground cover may be used on fill xtensions only.

[2] The distribution system shall be designed to uniformly distribute wastewater throughout the entire bed disposal area using one of the following distribution methods:

[a] perforated distribution pipe installed and aligned so that the holes are located in the lower half of the pipe and meet the materials standards listed in Table 8-1.

[b] Small diameter pressure pipe in a pressure distribution system.

[3] Distribution lines shall be installed a maximum of 5 feet from the bed's stone edge and equally spaced with a maximum separation distance between lines of 5 feet.

[4] A minimum total of 12 inches of stone free of fines, dust, ashes, or clay or other similar durable and insoluble material of uniform size, 3/4 to 3 inches shall be used on the bottom of the bed disposal area . The distribution system shall be installed totally within the stone.

[5] he stone shall be completely covered with one of the following materials:

[a] a minimum 2 inch layer of compressed hay.

[b] one layer of an approved non-woven filter fabric.

[c] one inch of fiberglass insulation.

[6] Clean backfill, 8-12 inches in depth, shall be carefully placed over the hay layer or approved substitute.

[7] No portion of any bed disposal area shall be located under a paved area or any driveway or roadway.