# Lincoln-Lancaster County Health Department

ENVIRONMENTAL HEALTH DIVISION
3140 N STREET · LINCOLN, NE 68510-1514 (402) 441-8000

Permit

SEWAGE INSTALLATION
LAGOON -REISSUED

Establishment

MARK PORATH
T11N R5E SEC 20 QTR NE
N 1/2 LOT 5&17
11707 W BLUFF RD-MALCOLM

Permitee

MARK PORATH
11515 W BLUFF RD
MALCOLM NE 68402

Permit # 00380227601

Issued 12/14/00
Expires 06/14/01
Revenue Code 3157

FEES: $200.00

TOTAL: $200.00

Leon F. Vinci, MPH, Health Director

• POST IN A PROMINENT PLACE • NOT TRANSFERABLE

014175

DEC 14 2000

A

**Lincoln-Lancaster County Health Department**
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

Permit Number:

# Sewage Disposal System

## Request for Site Clearance and Permit

**Include Form B, Form C and Applicable Fees with this Application.**

CHANGE ☒ Septic System ☑ Lagoon ☐ Other (Refer to Form C)

The undersigned hereby requests site clearance and permit to construct a Sewage Disposal System in conformance with appropriate resolution or ordinance, as described herein:

**PLEASE PRINT OR TYPE**

### A. System Location (Indicate correct number and street)

Address 11707 W. Bluff Rd (no rural route) City Malcolm NE, Zip 68402

Legal Description N/2 (1/4) NE/4 (1/4) 20 (Section) 11N (Township) 5E (Range) SEE ATTACHED (Subdivision) PART SW1/4 (Addition) (Block) (Lot)

Geographical Location (if known): Longitude _____ Latitude _____

☑ Check if system mail address is not the same as the owner's address Nancy

### B. Owner

Name Mark Forath Signature _____

Address 11515 W. Bluff Rd. City/State/Zip Malcolm, NE 68402

☐ Check if owner designed system Home Phone (402) 796-2291 Work Phone (402) 471-7651

### C. Contractor

Name Stan Kroese Company Name Dirt Works Plus Inc.

Address 7324 Ballard City/State/Zip Lincoln, NE 68507

☑ Check if contractor designed system Work Phone (402) 560-1208

### D. Engineer/Installer ☐ Check and complete if engineer designed system

Designer Name _____ Firm _____ Work Phone _____

### E. This System Will Serve a

☑ Residential Dwelling Number of Bedrooms 3 Is there a Whirlpool Bathtub YES (NO)

☐ Commercial Establishment/Other Facility Specify _____

Design flow in gallons per day _____ Type of Wastewater: ☑ Domestic ☐ Non-Domestic.

***DO NOT WRITE BELOW THIS LINE***

## Approval Process ☐ Municipal Code 24.38 ☒ County Resolution No. 2832

| | | | |
|---|---|---|---|
| 1. **Health Department** | Date rec'd 12/14/00<br>Date frwd 12/15/00 | **ACTION** ☒ Approved ☐ Disapproved<br>Signature Jerrold C. Hood | |
| 2. **Supt. Bldg. Insp. or Village Clerk** | Date rec'd 11-30-00<br>Date frwd 11-30-00 | **ACTION** ☒ Approved ☐ Disapproved<br>Signature | |
| 3. **City or County Engineer** | Date rec'd 12/27/00<br>Date frwd 12/27/00 | **ACTION** ☒ Approved ☐ Disapproved<br>Signature | |

## Installation Final Written Approval

By Jerrold C. Hood R.E.H.S.

Date APRIL 20, 2001

***Business Office Use Only***

Date Rec'd 12/14/00

Amt Paid 200.00

Rec'd By _____ ~~Cash~~/Check No. 3533

FORM 23-100 9-00 White - Health Dept. Yellow - Engineer Pink - Bldg. Inspector

APR 9 2001

B

Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
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Permit Number:

# Sewage Disposal System

## Soil Absorption Test Data Report

## Annex to Application

PLEASE PRINT OR TYPE

### System Location (Indicate correct number and street)

Address 11707 W. BLUFF (no rural route) City MALCOLM NE, Zip 68402

Owner MARK DORATH Addresss 11515 W BLUFF RD

Soil Type (SCS): SANDY CLAY W ROCKS Percolation Rate: _____ min./inch

Date of Tests 5/20 to 5/21 Weather: Precipitation Ø Temperature 50°

## Percolation Test Data Table

| A. | B. | C. D. E. F. Pre-Saturation Period | | | | G. H. I. J. K. Percolation Readings | | | | | L. M. N. Results | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Start | | End | | Start | | | End | | | | |
| Hole No. | Hole Depth (in) | Date (Mo/Da) | Time (Hr/Min) | Date (Mo/Da) | Time (Hr/Min) | Date (Mo/Da) | Time (Hr/Min) | Water Lev (in.) | Date (Mo/Da) | Time (Hr/Min) | Elapsed Time (Min) | Water Level Drop (in) | Percolation Rates (Min/in) |
| 1 | 27 | 5/20 | 9:00AM | 5/21 | 8:00AM | 5/21 | 8:00AM | 6 | 5/21 | 12:10PM | 30 | 1½ | 20 MIN/IN |
| 2 | 26 | 5/20 | 9:00AM | 5/21 | 8:00AM | 5/21 | 8:00AM | 6 | 5/21 | 12:10PM | 30 | 2⅛ | 13 MIN/IN |
| 3 | 27 | 5/20 | 9:00AM | 5/21 | 8:00AM | 5/21 | 8:00AM | 6 | 5/21 | 12:10PM | 30 | 1¼ | 24 MIN/IN |
| 4 | 25 | 5/20 | 9:00AM | 5/21 | 8:00AM | 5/21 | 8:00AM | 6 | 5/21 | 12:10PM | 30 | 1¼ | 24 MIN/IN |
| 5 | 25 | 5/20 | 9:00AM | 5/21 | 8:00AM | 5/21 | 8:00AM | 6 | 5/21 | 12:10PM | 30 | 1¼ | 24 MIN/IN |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

### Person Conducting Percolation Tests

Name: STAN KROESE

Phone: 7324 BALLARD

Address LINC NE 68507

560-1208

Sum of Percolation Rates: _____

Average of Rates: _____

Rate Used for Calculation: 21

DO NOT WRITE BELOW THIS LINE

### Reviewing Action

Remarks _____

Signature of Reviewing Official _____ Date _____

DEC 14 2000

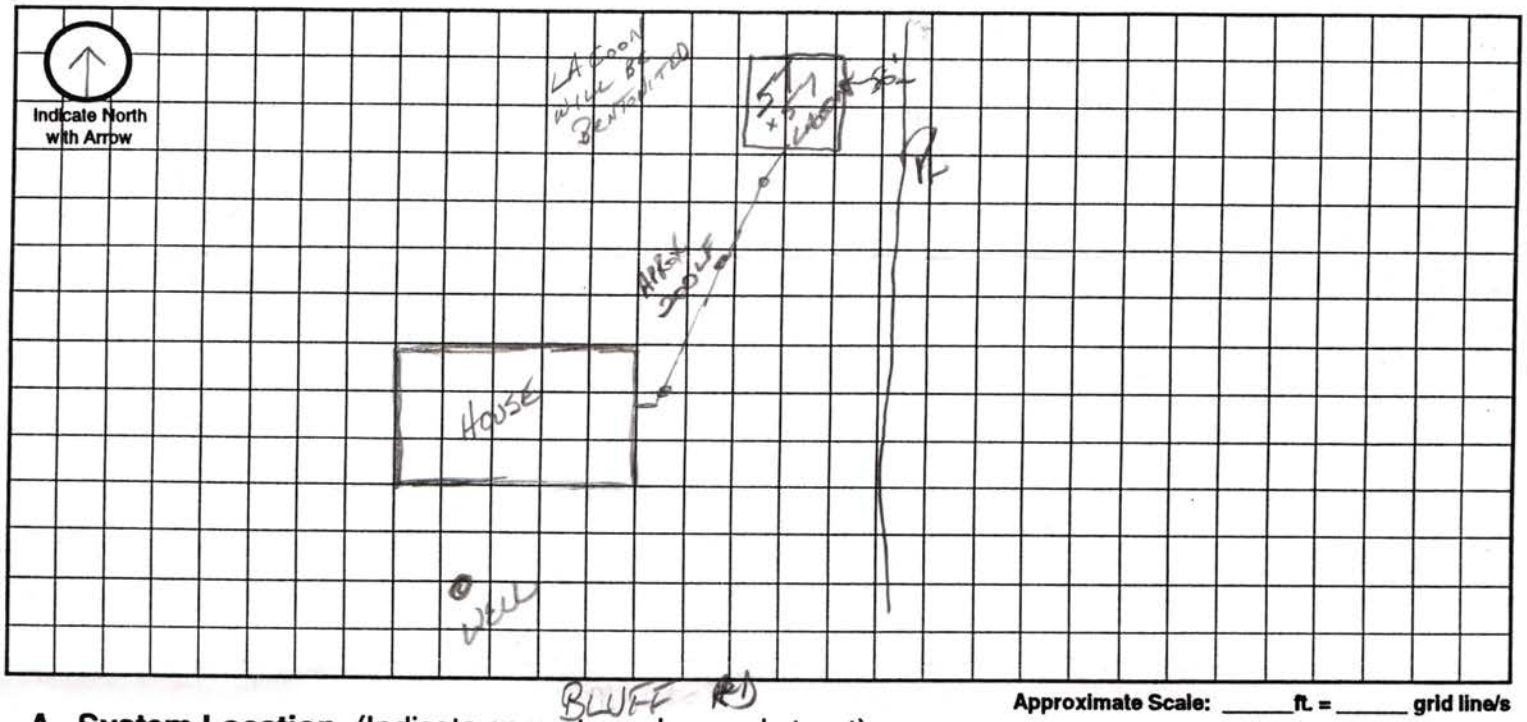
C

**Lincoln-Lancaster County Health Department**
Environmental Health Division
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Phone: 402-441-8022

Permit Number:

# Sewage Disposal System
## Preliminary Plan Specifications

Draw a plot plan showing system location, lines, distribution box, tank and laterals, percolation test hole locations, well, residence, compass direction and property lines. Indicate on drawing if residence and well are existing or proposed.




Approximate Scale: _____ ft. = _____ grid line/s

## A. System Location (Indicate correct number and street)

Address (no rural route) 11707 W. BLUFF City MALCOLM NE, Zip 68402

## B. Proposed Septic Tank/s

Tank Material: ☐ Concrete ☐ Plastic ☐ Other _____

## C. Proposed Absorption System (See Form B for Percolation Information)

Percolation Rate _____ (min. per inch) Soil Type: SHELBY CLAY LOAM (SAND PRESENT) Land Slope: _____ %

Type of Absorption System: ☐ Trench ☐ Bed ☐ Other _____

Total Square Feet of Field Required: 750 sq. ft.

Type of Lateral: ☐ Half-Moon ☐ Perforated Pipe ☐ Other Lateral Material: _____

Capacity of Septic Tank 1000 gals Number of Absorption Beds: _____ Number of Distribution Laterals per Bed _____

Total Length of Laterals 188 ft. Number of Trenches _____ Trench Width 4

## D. Setbacks Check the Boxes Below if the Required Setback has been Satisfied

| Distance From | Private Well | Public Well | Surface Water | Gound Water | Pressure Water Lines | Property Lines | Foundations Yours | Foundations Neighbors | All Other Setbacks |
|---|---|---|---|---|---|---|---|---|---|
| Tank (ft) | 50 ☐ | 500 ☐ | 50 ☐ | NA ☐ | 25 ☐ | 20 ☐ | 15 ☐ | 25 ☐ | ☐ |
| Field (ft) | 100 ☐ ✓ | 500 ☐ | 50 ☐ ✓ | 4 ☐ | 30 ☐ ✓ | 20 ☐ ✓ | 30 ☐ ✓ | 40 ☐ ✓ | ☐ |
| Lagoon (ft) | 100 ☑ | 500 ☑ | 50 ☑ | N/A ☐ ✓ | 30 ☑ | 50 ☑ | 100 ☐ ✓ | 200 ☑ | ☐ |

## E. Required Signatures

Home Building Contractor Mark [illegible] Date 12-1-00

Installer [illegible] Date 12-13-00

FORM 23-102 10-96

**Lincoln-Lancaster County Health Department**
Environmental Health Division
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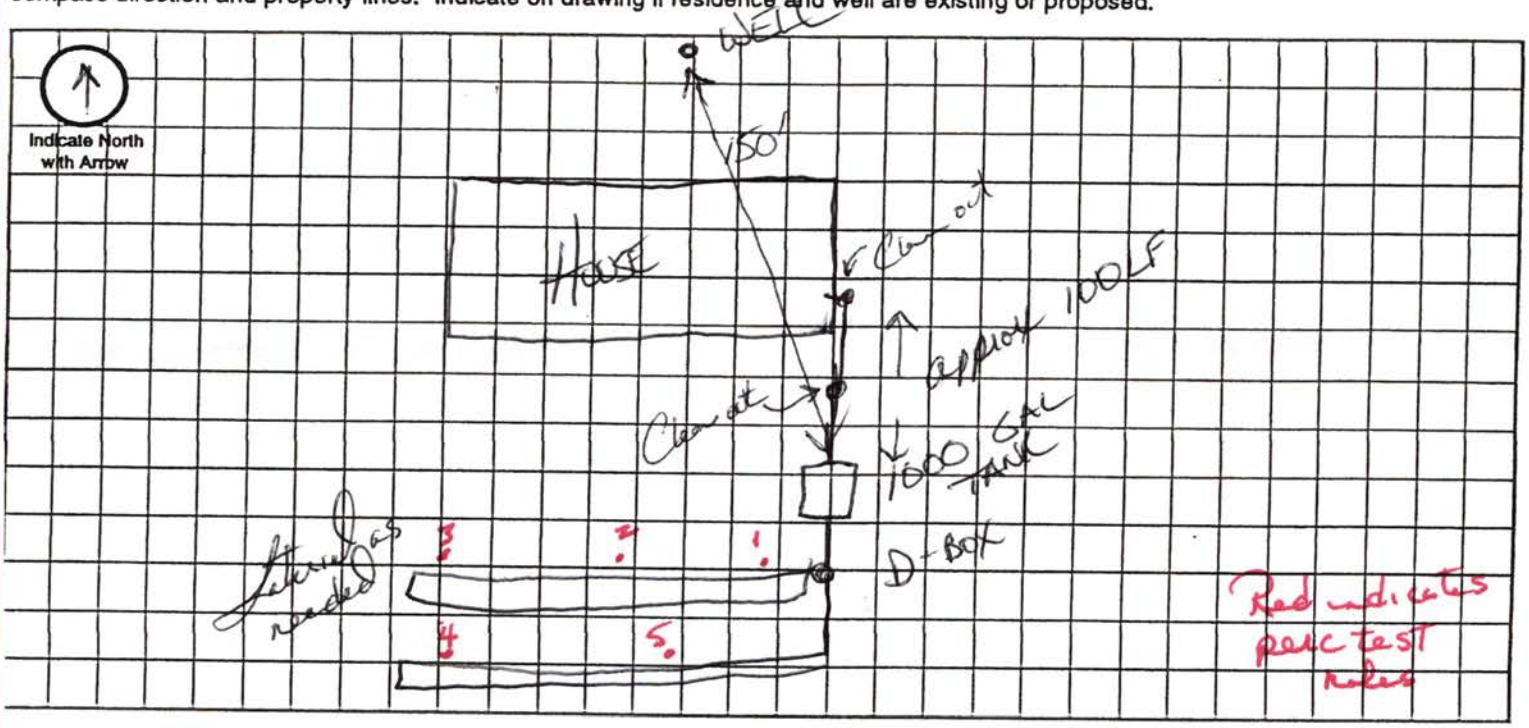
REVISED 4-4-01 **C**

Permit Number:

# Sewage Disposal System
## Preliminary Plan Specifications

Mark Porath

Draw a plot plan showing system location, lines, distribution box, tank and laterals, percolation test hole locations, well, residence, compass direction and property lines. Indicate on drawing if residence and well are existing or proposed.




Approximate Scale: _____ ft. = _____ grid line/s

## A. System Location (Indicate correct number and street)

Address (no rural route) 11707 W Bluff City Malcolm NE, Zip 68402

## B. Proposed Septic Tank/s

Tank Material: ☑ Concrete ☐ Plastic ☐ Other _____

## C. Proposed Absorption System (See Form B for Percolation Information)

Percolation Rate _____ (min. per inch) Soil Type: _____ Land Slope: _____ %

Type of Absorption System: ☑ Trench ☐ Bed ☐ Other _____

Total Square Feet of Field Required: 750 sq. ft.

Type of Lateral: ☐ Half-Moon ☐ Perforated Pipe ☐ Other Lateral Material: Equalizer

Capacity of Septic Tank 1000 gals Number of Absorption Beds: _____ Number of Distribution Laterals per Bed _____

Total Length of Laterals _____ ft. Number of Trenches 2 Trench Width 4

## D. Setbacks Check the Boxes Below if the Required Setback has been Satisfied

| Distance From | Private Well | Public Well | Surface Water | Gound Water | Pressure Water Lines | Property Lines | Foundations Yours | Foundations Neighbors | All Other Setbacks |
|---|---|---|---|---|---|---|---|---|---|
| Tank (ft) | 50 ☑ | 500 ☑ | 50 ☑ | NA ☑ | 25 ☑ | 20 ☑ | 15 ☑ | 25 ☐ | ☐ |
| Field (ft) | 100 ☑ | 500 ☑ | 50 ☑ | 4 ☑ | 30 ☑ | 20 ☑ | 30 ☐ | 40 ☑ | ☐ |
| Lagoon (ft) | 100 ☐ | 500 ☐ | 50 ☐ | N/A ☐ | 30 ☐ | 50 ☐ | 100 ☐ | 200 ☐ | ☐ |

## E. Required Signatures

Home Building Contractor _____ Date _____

Installer

Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

**D**

Permit Number:

# Sewage Disposal System

## As Built Plans & Specifications

Date 4-20-01 Mark Pivoratto

**System Location (Indicate correct number and street)**

Address _____ City _____ NE, Zip _____
(no rural route)

### A. Building Sewer

1. Material: CLS 1600
   Diameter: 4" in.
2. Distance above basement floor: _____ in.
   or distance below basement floor: 24 in.
3. Distance between dwelling and septic tank: 107 ft.
4. Number of clean-outs: 2
5. Distances to: well or suction line 100+ ft.
   stream 100+ ft.
   pressure line 100+ ft.
   property line 100+ ft.

### B. Septic Tank

1. Material: CONC
   Number of compartments: 1
2. Capacity: 1000 gal.
3. Factory built: ☑ Yes ☐ No
4. Manholes: Over inlet, diameter _____ in.
   Over outlet, diameter _____ in.
   Riser: ☐ above ☐ below grade 6 in.
5. Inlet: ☑ baffle ☐ tee
6. Outlet: ☑ baffle ☐ tee
7. Depth to top of tank, below unfinished grade: 6 in.
8. Distances to: Well or suction line 100+ ft.
   Stream 70+ ft.
   Pressure line 100+ ft.
   Property line 100+ ft.

### C. Distribution Box

1. Material: CONC
   Number available outlets: 5
2. Factory built: ☑ Yes ☐ No
3. Distance from septic tank: 11 ft.

### D. Absorption Field

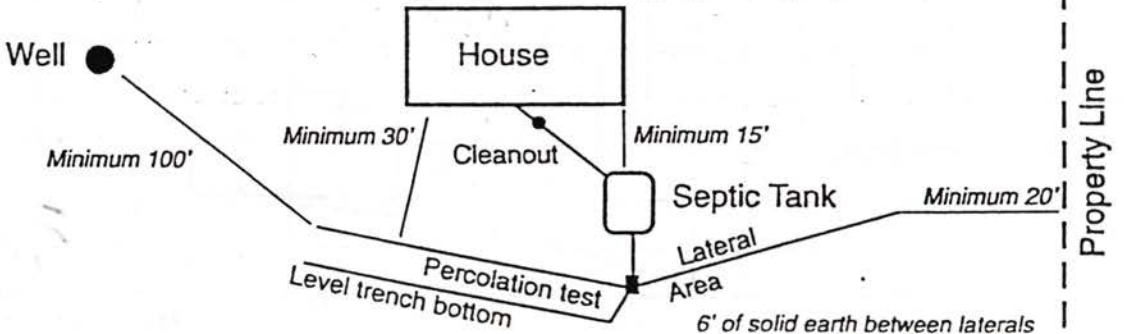
*(Provide as-built drawings on back of this form)*

1. Type: ☐ Half rounds ☐ Perforated pipe
   Diameter of half round: _____
   or perforated pipe: _____
   Material: ☐ fiberglass ☑ plastic ☐ concrete
   ☐ other Equalizer
2. Lateral lines: Number 2
   Length of each line: 102 ft. 102 ft.
   _____ ft. _____ ft., _____ ft.
3. Trench dimensions: Width 3 ft.
   Slope 2" in/100 ft.
   Average depth 17 in
4. Filter material: GRAVEL-LESS
   Depth of material _____ in.
5. Distances to: Well or suction line 100+ ft.
   Stream 100+ ft.
   Pressure line 100 ft.
   Property line 100 ft.

Indicate North with Arrow

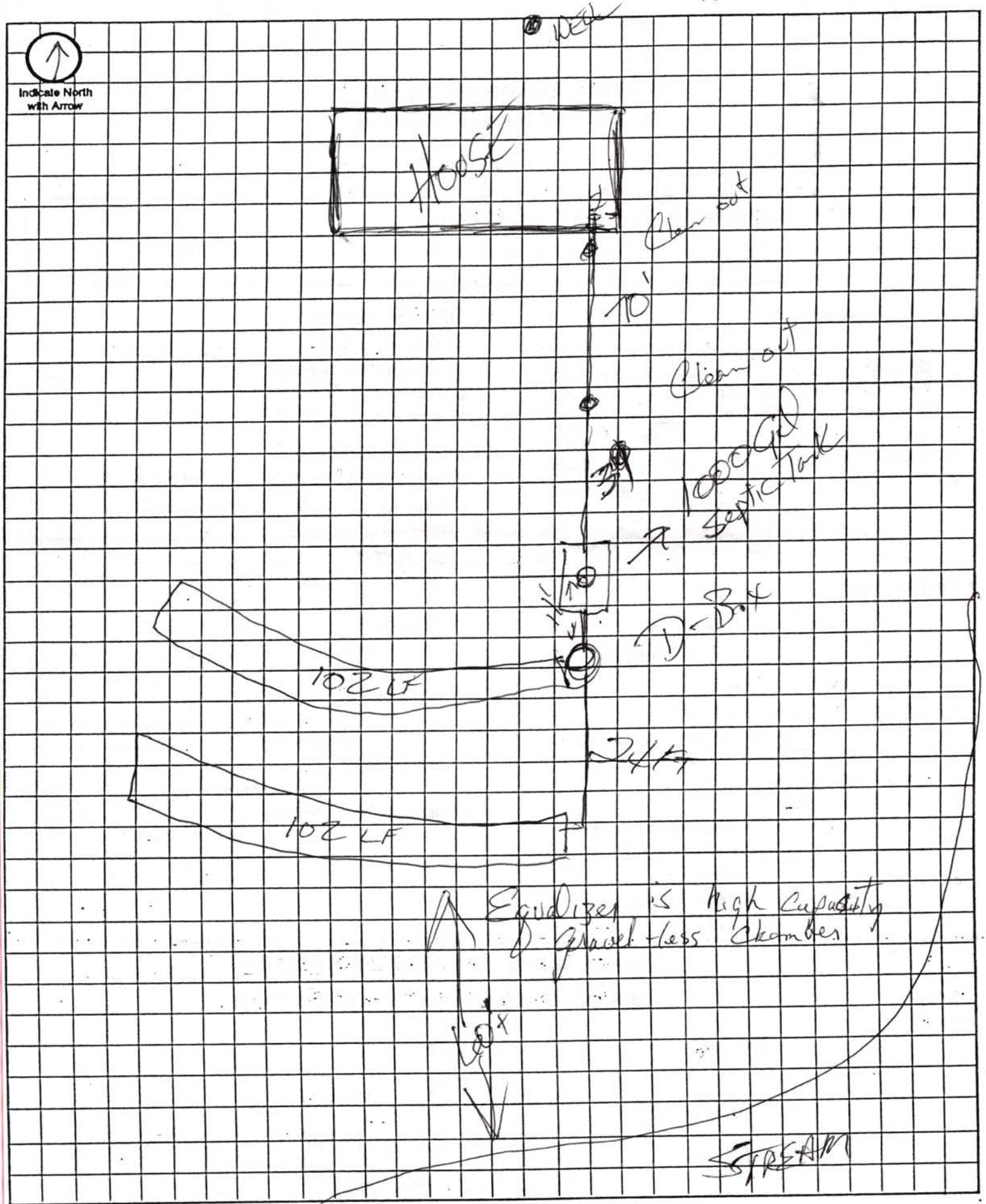
**Complete "As Built" drawing on back of this form.**

**Individual Sewage System Design (Example)**

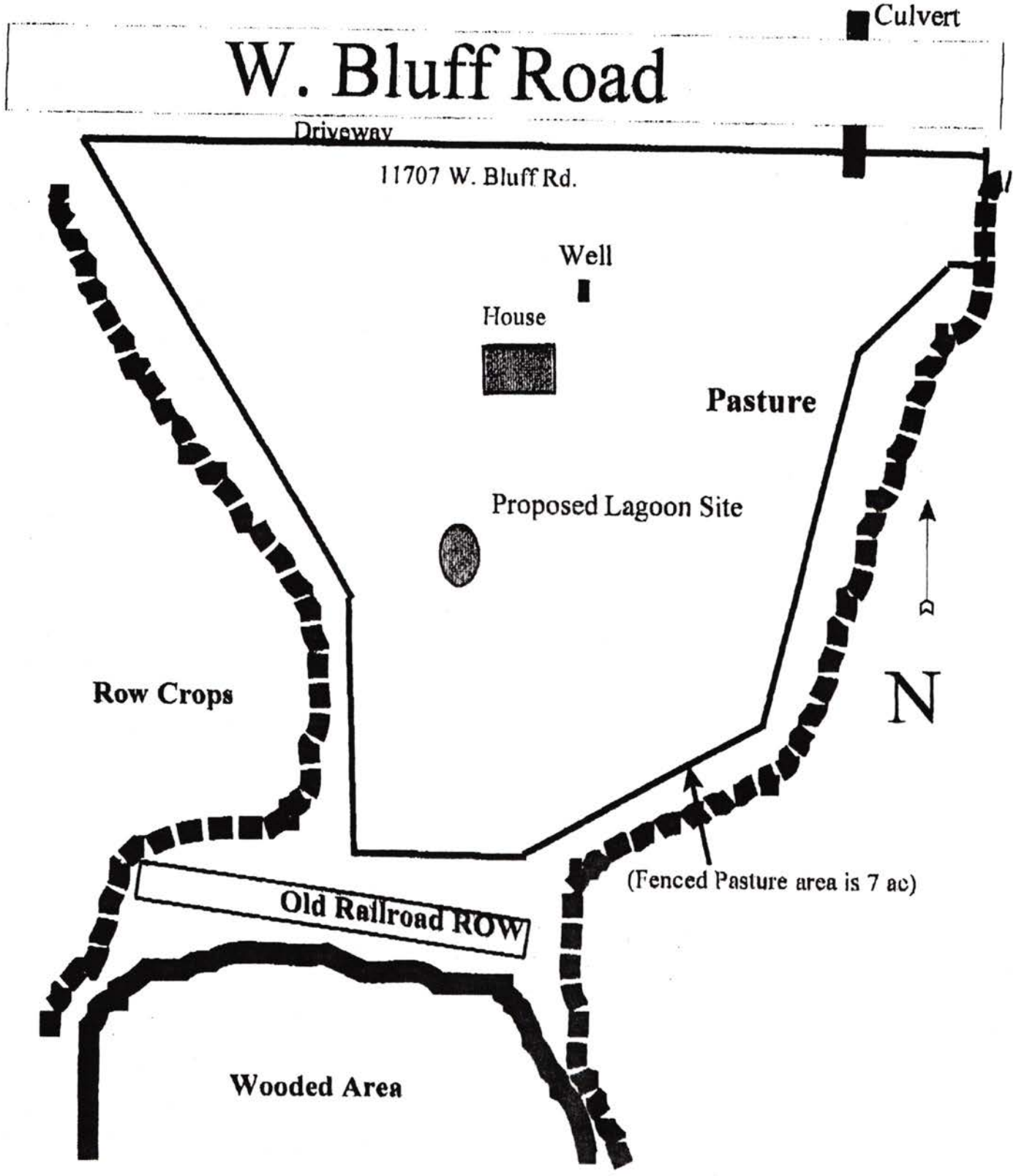



FORM 23-103 10-96

# As Built Drawing




Approximate Scale: _____ = _____ grid line/s


Culvert
W. Bluff Road
Driveway
11707 W. Bluff Rd.
Well
House
Pasture
Proposed Lagoon Site
N
Row Crops
(Fenced Pasture area is 7 ac)
Old Railroad ROW
Wooded Area

**A legal description of a portion of Lots 5 and 17, Irregular Tracts, located in the North Half of the Northeast Quarter of Section 20, Township 11 North, Range 5 East of the Sixth Principal Meridian, Lancaster County, Nebraska and more particularly described by metes and bounds as follows:**

**Referring to a found 1" pipe being the Northwest Corner of Lot 5 Irregular Tract and the North One-Quarter Corner of Section 20, Township 11 North, Range 5 East of the Sixth Principal Meridian, Lancaster County, Nebraska; Thence N 88°26'54" E, (an assumed bearing), and on the North Line of the Northeast Quarter and Lot 5 Irregular Tract of said Section 20, a distance of 661.92 feet to the POINT OF BEGINNING; Thence continuing on the last described course N 88°26'54" E, and on the North Line of the Northeast Quarter and the North Line of Lot 5 Irregular Tract of said Section 20, a distance of 712.10 feet to a set 5/8" rebar; Thence S 00°20'12" W, a distance of 130.84 feet to a set 5/8" rebar; Thence S 84°35'47" W, a distance of 30.60 feet to a set 5/8" rebar; Thence S 33°38'19" W, a distance of 77.53 feet to a set 5/8" rebar; Thence S 10°58'32" W, a distance of 308.69 feet to a set 5/8" rebar; Thence S 54°33'43" W, a distance of 185.57 feet to a set 5/8" rebar; Thence S 55°09'10" W, a distance of 147.19 feet to a set 5/8" rebar; Thence S 05°43'00" W, a distance of 123.14 feet to a set 5/8" rebar; Thence S 38°32'05" E, a distance of 96.77 feet to a set 5/8" rebar; Thence S 11°51'18" E, a distance of 93.22 feet to a set 5/8" rebar; Thence S 54°35'10" E, a distance of 244.05 feet to a set 5/8" rebar; Thence S 88°27'50" W, a distance of 286.26 feet to a set 5/8" rebar; Thence N 45°20'05" W, a distance of 74.92 feet to a set 5/8" rebar; Thence N 48°16'18" W, a distance of 397.20 feet to a set 5/8" rebar; Thence N 17°29'11" E, a distance of 133.37 feet to a set 5/8" rebar; Thence N 43°30'31" E, a distance of 82.34 feet to a set 5/8" rebar; Thence N 89°24'55" E, a distance of 85.44 feet to a set 5/8" rebar; Thence S 76°34'36" E, a distance of 56.84 feet to a set 5/8" rebar; Thence N 06°52'31" E, a distance of 206.00 feet to a set 5/8" rebar; Thence N 27°40'13" W, a distance of 294.76 feet to a set 5/8" rebar; Thence N 26°43'36" W, a distance of 136.68 feet to a set 5/8" rebar; Thence N 01°33'06" W, a distance of 33.00 feet to the point of beginning and containing a calculated area of 459,593.11 square feet or 10.551 acres, more or less, which also includes a calculated area of 23,481.49 square feet or 0.539 acres, more or less, of county road right-of-way.**