Lincoln-Lancaster County Health Department

ENVIRONMENTAL PUBLIC HEALTH DIVISION

3140 N STREET · LINCOLN, NE 68510-1514

(402) 441-8000

003105

Permit

SEWAGE INSTALLATION
SEPTIC SYSTEM

Permit # 03380272001

Issued 10/01/03
Expires 03/31/04
Revenue Code 3157

Establishment

BURT & CARRIE SMITH
T12N R6E SEC 25 QTR SW
LOT 20
1920 BRANCHED OAK RD-DAVEY

FEES: $200.00

Permittee

BURT & CARRIE SMITH
3910 EVERETT ST
LINCOLN NE 68506

TOTAL: $200.00

Bruce D. Dart

Bruce D. Dart, Health Director

EPH COPY

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

A

Permit Number: 03380272001

Sewage Disposal System

Request for Site Clearance and Permit

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

☒ 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 9205 Branched Oak Rd. (no rural route) City DAVEY NE, Zip 68336

Legal Description Lot 20, Sub, 25-12-6 LC N
1/4 1/4 Section Township Range Subdivision Addition Block Lot

Geographical Location (if known): Longitude _____ Latitude _____

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

B. Owner

Name Burt & Carrie Smith Signature Burt Smith

Address 3910 Everett City/State/Zip Lincoln, NE 68506

☐ Check if owner designed system Home Phone 483-6346 Work Phone (402) 770-6079

C. Contractor

Name Gordon Lukes Company Name G & A Backhoe Service

Address 2319 South 214th City/State/Zip Eagle NE 68347-1995

☒ Check if contractor designed system Work Phone 450-2409

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

Designer Name G & A Backhoe 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 10/1/03 ACTION ☒ Approved ☐ Disapproved
   11-20-03 new road drawing Date frwd _____ Signature Jerrold C. Hood
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd 10-2-03 ACTION ☐ Approved ☐ Disapproved
   Date frwd _____ Signature _____
3. **City or County Engineer** Date rec'd 10/2/03 ACTION ☒ Approved ☐ Disapproved
   Date frwd 10/2/03 Signature _____

Installation Final Written Approval

By Ron Maynard

Date 12-2-03

Business Office Use Only

Date Rec'd _____

Amt Paid _____

Rec'd By _____ Cash/Check No. _____

FORM 23-100 10-96 White - Health Dept. Yellow - Engineer Pink - Bldg. Inspector

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B

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 1920 Branched Oak Rd (no rural route) City Davey NE, Zip 68336

Owner Burt & Sarah Smith Addresss 3916 Everett, Lincoln, NE

Soil Type (SCS): Sand & Clay MORRIL CLAY LOAM Percolation Rate: 60 min./inch

Date of Tests 9-8-03 to 9-9-03 Weather: Precipitation Dry Temperature 85

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	30	9-8	9 am	9-9	9 am	9-9	1 pm	6	9-9	1:30p	30	½"	60
2	"	"	"	"	"	"	"	6	"	1:30p	"	3 ½"	8.6
3	"	"	"	"	"	"	"	6	"	"	"	1 ½	20
4	"	"	"	"	"	"	"	6	"	"	"	1¼	24
5	"	"	"	"	"	"	"	6	"	"	"	3	10
6	"	"	"	"	"	"	"	6	"	"	"	2¼	13

Sum of Percolation Rates: 135.6
Average of Rates: 22.6
Rate Used for Calculation: 60

Person Conducting Percolation Tests

Name: Clint Presnell
Phone: 610-0563
Address 3130 So. 6th Suite 100 Lincoln Ne.

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks

Signature of Reviewing Official Jerold C. Wood Date OCTOBER 1, 2003

FORM 23-101 10-96

165 to tank
12ft Tank
12ft

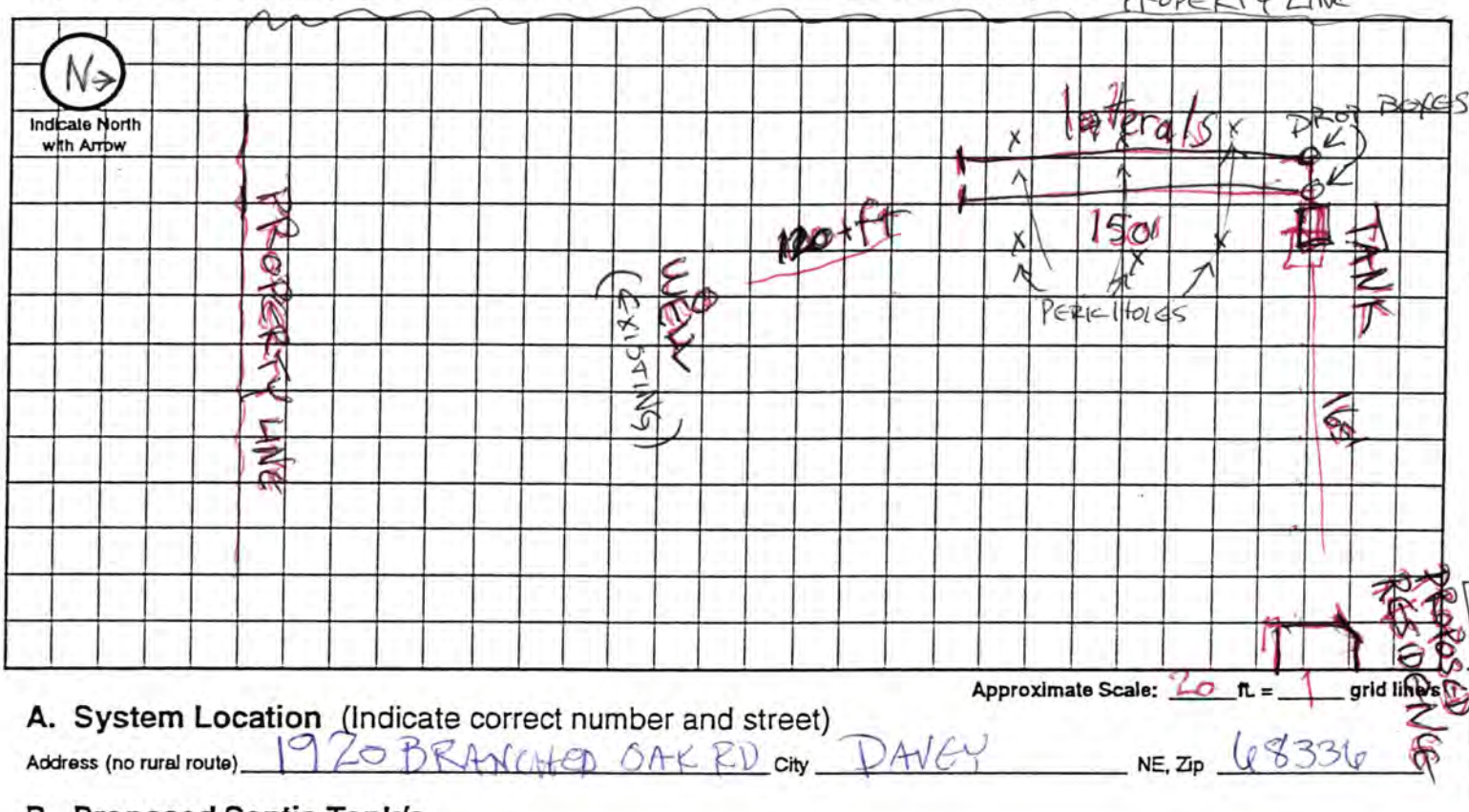
C

Permit Number:

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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: 20 ft. = 1 grid lines

A. System Location (Indicate correct number and street)

Address (no rural route) 1920 BRANCHED OAK RD City DAVEY NE, Zip 68336

B. Proposed Septic Tank/s

Tank Material: ☒ Concrete ☐ Plastic ☐ Other

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

Percolation Rate 21-30 (min. per inch) Soil Type: Sand & Clay Land Slope: 4 %

Type of Absorption System: ☒ Trench ☐ Bed ☐ Other

Total Square Feet of Field Required: 1050 sq. ft.

Type of Lateral: ☐ Half-Moon ☐ Perforated Pipe ☒ Other Lateral Material: Infiltrator Standard H10

Capacity of Septic Tank 1500 gals Number of Absorption Beds: N/A Number of Distribution Laterals per Bed N/A

Total Length of Laterals 300 (1000 / 263) 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 Burt Smith Date 9/30/03

Installer Gordon Lukes Date 9-24-2003

FORM 23-102 10-96

Lincoln-Lancaster County Health Department
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D

Permit Number:

Sewage Disposal System

As Built Plans & Specifications

Date 11/21/03

System Location (Indicate correct number and street)

Address 1920 Branched Oak (no rural route) City Raymond NE, Zip

A. Building Sewer

1. Material: PVC (2441)
   Diameter: 4 in.
2. Distance above basement floor: _____ in.
   or distance below basement floor: 8 in.
3. Distance between dwelling and septic tank: 138 ft.
4. Number of clean-outs: 2
5. Distances to: well or suction line _____ ft.
   stream _____ ft.
   pressure line _____ ft.
   property line _____ ft.

B. Septic Tank

1. Material: Concrete
   Number of compartments: 1
2. Capacity: 1500 gal.
3. Factory built: ☒ Yes ☐ No
4. Manholes: Over inlet, diameter 24 in.
   Over outlet, diameter 24 in.
   Riser: ☐ above ☐ below grade At grade in.
5. Inlet: ☒ baffle ☐ tee
6. Outlet: ☒ baffle ☐ tee
7. Depth to top of tank, below unfinished grade: 32 in.
8. Distances to: Well or suction line _____ ft.
   Stream _____ ft.
   Pressure line _____ ft.
   Property line _____ ft.

C. ~~Distribution~~ Drop Box

1. Material: Plastic
   Number available outlets: 2
2. Factory built: ☒ Yes ☐ No
3. Distance from septic tank: 12' 6" ft.

D. Absorption Field

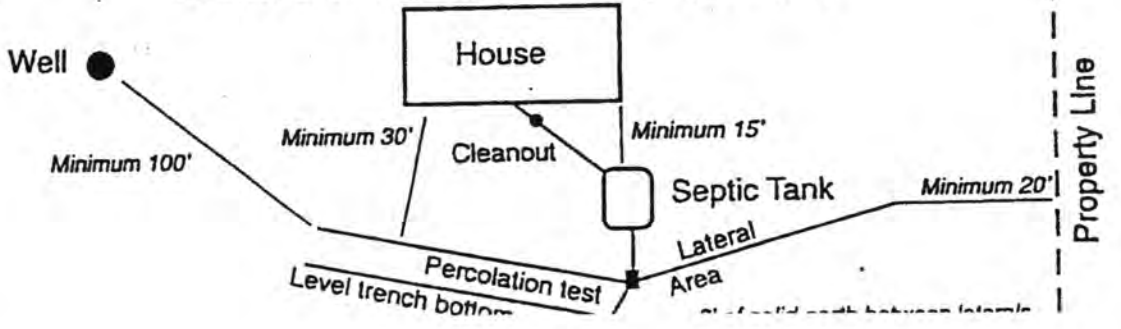
(Provide as-built drawings on back of this form)

1. Type: ☐ Half rounds ☐ Perforated pipe
   Diameter of half round: _____
   or perforated pipe: _____
   Material: ☐ fiberglass ☒ plastic ☐ concrete
   ☐ other Infiltrator H10
2. Lateral lines: Number 2
   Length of each line: 150 ft. 150 ft.
   _____ ft. _____ ft., _____ ft.
3. Trench dimensions: Width 4 ft.
   Slope 0 in/100 ft.
   Average depth 28 in
4. Filter material: _____
   Depth of material _____ in.
5. Distances to: Well or suction line _____ ft.
   Stream _____ ft.
   Pressure line _____ ft.
   Property line _____ ft.

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

Indicate North with Arrow

Individual Sewage System Design (Example)



G & A

BACKHOE SERVICE

Gordon Lukes - Owner/Operator
2319 South 214th Street
Eagle, NE 68347-1995
Bus. (402) 781-2400
Cell. (402) 450-2409
Fax. (402) 781-2411

11/21/03

To Ron Marquart,
This is the as built drawing for a Septic System @ 1920 Branched Oak Road for Burt Smith. 1200 Square ft of Infiltrator standard H10 lateral & 2 drop boxes.

