Lincoln-Lancaster County Health Department

ENVIRONMENTAL PUBLIC HEALTH DIVISION

3140 N STREET · LINCOLN, NE 68510-1514

003056

(402) 441-8000

Permit
SEWAGE INSTALLATION
SEPTIC SYSTEM

Permit # 03380271401

Issued 09/12/03
Expires 03/12/04
Revenue Code 3157

Establishment
MIKE MCGILL
T8N R8E SEC 9
LITTLE NEMAHA LK EST LOT 3
3 RITTER PL-BENNETT

FEES: $200.00

Permittee
MIKE MCGILL
7401 BIRCH CREEK PL
LINCOLN NE 68516

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

RECEIVED SEP 1 2003

A

Permit Number: 03380271401

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 3 Ritter Place (no rural route) [1400 Ritter Place] City Bennett NE, Zip NE

Legal Description 9 (1/4) 8N (1/4) 8E (Section, Township, Range) Little Nemaha Lake Estates (Subdivision) 3 (Block) (Addition) (Lot)

Geographical Location (if known): Longitude _____ Latitude _____

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

B. Owner

Name Mike McGill Signature Mike McGill

Address 7401 Birch Creek Pl. City/State/Zip Lincoln, NE 68516

☐ Check if owner designed system Home Phone 421-6672 Work Phone 450-1448

C. Contractor

Name Same as B ↑ Company Name _____

Address _____ City/State/Zip _____

☐ Check if contractor designed system Work Phone _____

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

Designer Name John's plumbing Firm _____ Work Phone 475-2599

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 9/12/03 Date frwd 9/12/03	ACTION ☒ Approved ☐ Disapproved Signature Gerrald C. Hood	
2. Supt. Bldg. Insp. or Village Clerk	Date rec'd 9/12/03 Date frwd 9/12/03	ACTION ☒ Approved ☐ Disapproved Signature [illegible]	
3. City or County Engineer	Date rec'd 9-12-03 Date frwd 9-12-03	ACTION ☒ Approved ☐ Disapproved Signature Jim Rhoyel	

Installation Final Written Approval

By Gerrald C. Hood R.E., H.D.

Date JANUARY 15, 2004

Business Office Use Only

Date Rec'd 9/12/03

Amt Paid $200.00

Rec'd By cw Cash/Check No. 5350

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

Lincoln-Lancaster County Health Department
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B

Permit Number: 0338027/4

Sewage Disposal System

Soil Absorption Test Data Report
Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address 3 Ritter Place (no rural route) City Bennett NE, Zip NE

Owner Mike McGill Addresss

Soil Type (SCS): Silty Clay Percolation Rate: 30 min./inch

Date of Tests 9/5 to 9/6 Weather: Precipitation None Temperature 90+

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	37	9/5	3:00	9/6	3:00	9/6	6:30	31 5/8	9/6	7:00	30	1 1/8	27
2	36	9/5	3:00	9/6	3:00	9/6	6:30	32 1/8	9/6	7:00	30	1 1/8	27
3	36	9/5	3:00	9/6	3:00	9/6	6:30	30 5/16	9/6	7:00	30	1 5/16	23
4	38	9/5	3:00	9/6	3:00	9/6	6:30	30 1/8	9/6	7:00	30	1 3/4	17
5	39	9/5	3:00	9/6	3:00	9/6	6:30	31 1/8	9/6	7:00	30	1 1/2	20
6	37	9/5	3:00	9/6	3:00	9/6	6:30	29 1/4	9/6	7:00	30	7/8	34

Sum of Percolation Rates: 148
Average of Rates: 25
Rate Used for Calculation: 30

Person Conducting Percolation Tests

Name: Claude Oie PE-3939
Phone: 402-423-0614
Address 5910 So 52nd St. Ct.
Lincoln Ne. 68516

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks

Signature of Reviewing Official Date

FORM 23-101 10-95

Lincoln-Lancaster County Health Department
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C

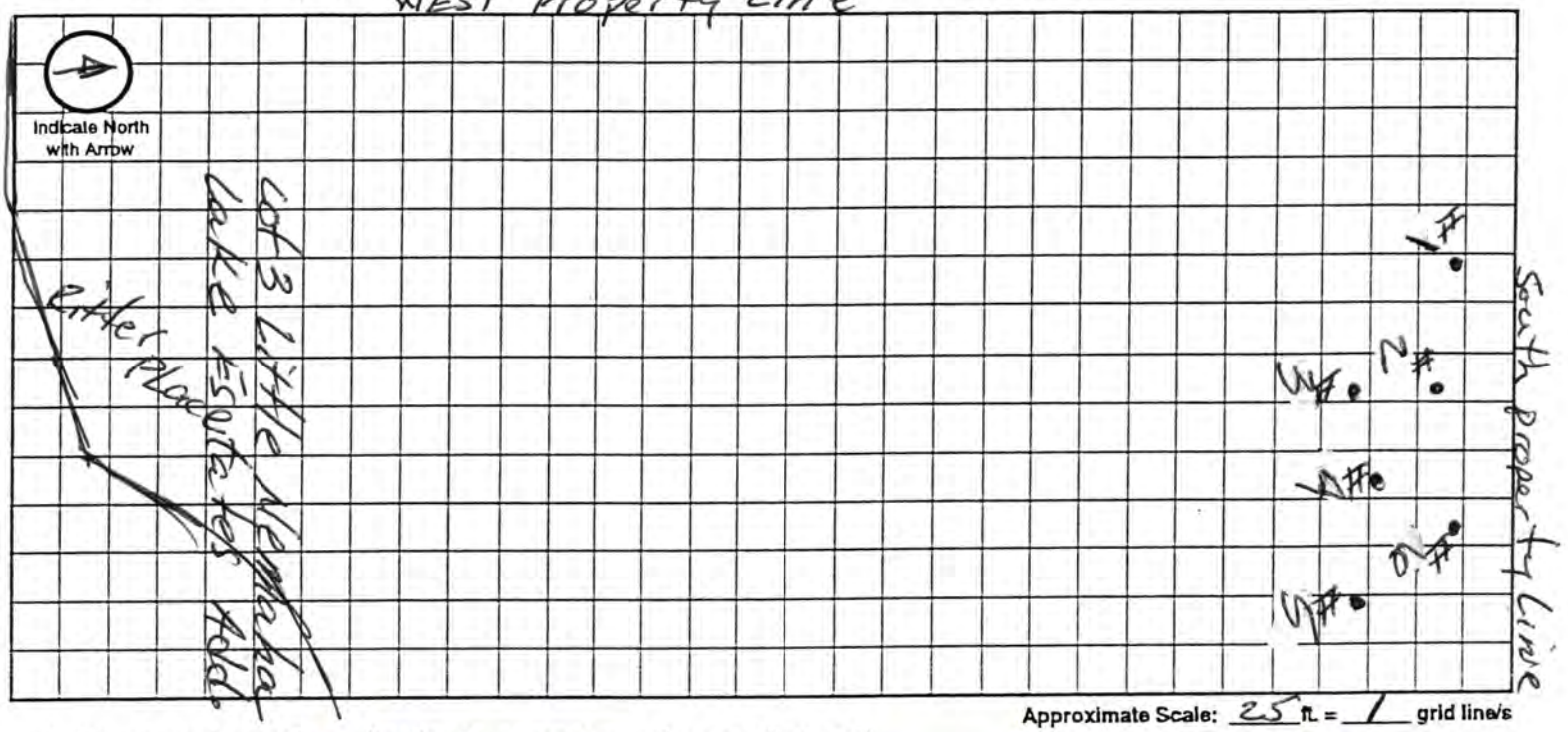
Permit Number: 033802714

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.

See Attached Plot



Approximate Scale: 25 ft. = 1 grid line/s

A. System Location (Indicate correct number and street)

Address (no rural route) 3 Ritter Place City Bennett NE, Zip NE

B. Proposed Septic Tank/s

Tank Material: ☐ Concrete ☐ Plastic ☐ Other

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

Percolation Rate 25 (min. per inch) Soil Type: WYMORE SILTY CLAY LOAM Land Slope: % 2

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 1250 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 ☐	☐

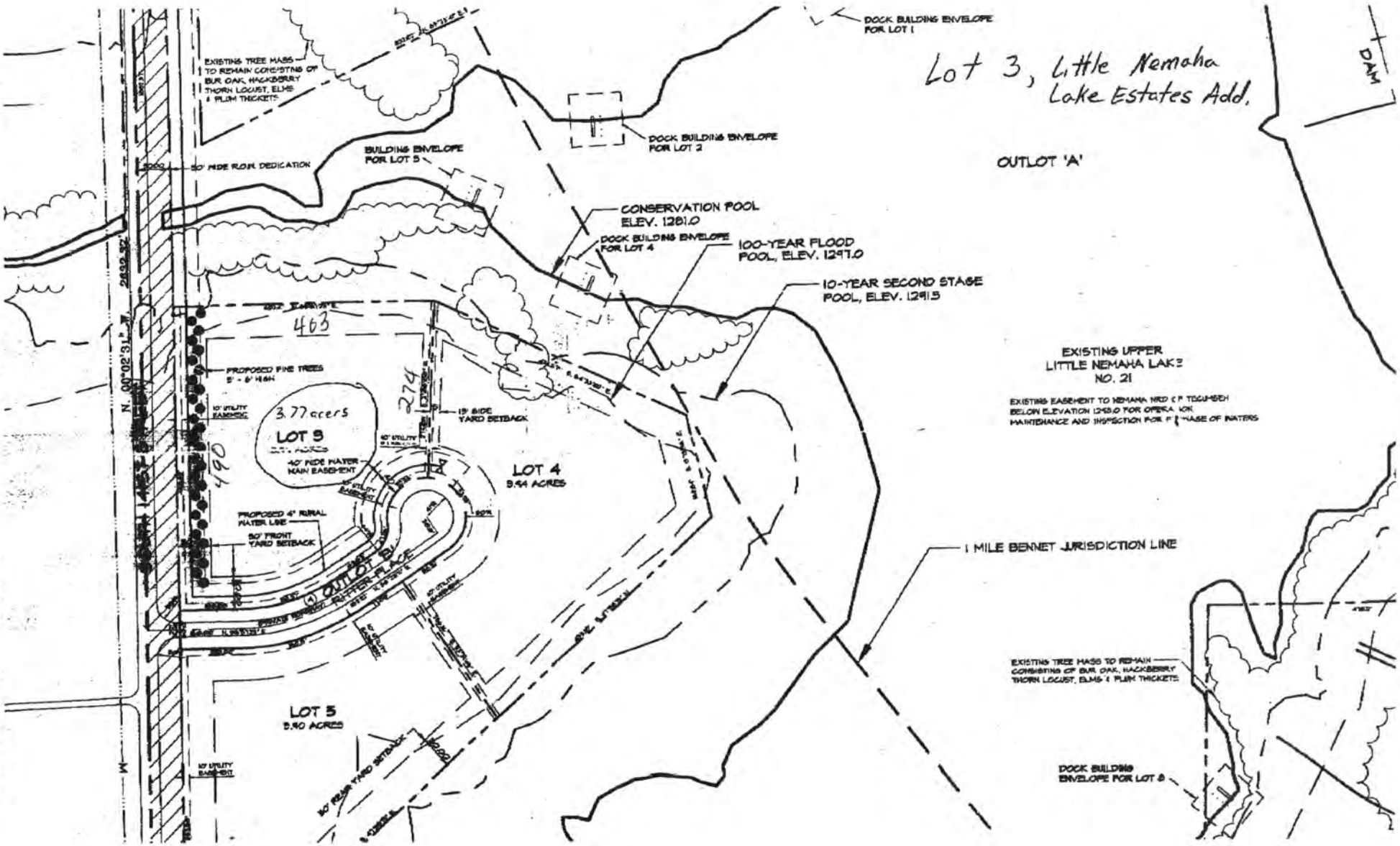
E. Required Signatures

Home Building Contractor Date 9-10-03

Installer Mike Clement Date 9-11-03

FORM 23-102 10-96

09/08/2003 07:38 4024205002 MOGILL WULF PAGE 01



Lincoln-Lancaster County Health Department
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D

Permit Number:

Sewage Disposal System

As Built Plans & Specifications

Date 1-15-04

System Location (Indicate correct number and street)

Address 14100 Rutter Place (no rural route) City Bennett NE, Zip

A. Building Sewer

1. Material: PVC
   Diameter: 4 in.
2. Distance above basement floor: ____ in.
   or distance below basement floor: 14 in.
3. Distance between dwelling and septic tank: 34 ft.
4. Number of clean-outs: 1
5. Distances to: well or suction line ____ ft.
   stream ____ ft.
   pressure line ____ ft.
   property line ____ ft.

B. Septic Tank

1. Material: PLASTIC
   Number of compartments: 1
2. Capacity: 1250 gal.
3. Factory built: ☑ Yes ☐ No
4. Manholes: Over inlet, diameter 24 in.
   Over outlet, diameter 24 in.
   Riser: ☐ above ☐ below grade ____ in.
5. Inlet: ☐ baffle ☑ tee
6. Outlet: ☐ baffle ☑ tee
7. Depth to top of tank, below unfinished grade: 18 in.
8. Distances to: Well or suction line ____ ft.
   Stream ____ ft.
   Pressure line ____ ft.
   Property line ____ ft.

C. Distribution Box

1. Material: Concrete
   Number available outlets: 5
2. Factory built: ☑ Yes ☐ No
3. Distance from septic tank: CTOC 9½ ft.

D. Absorption Field

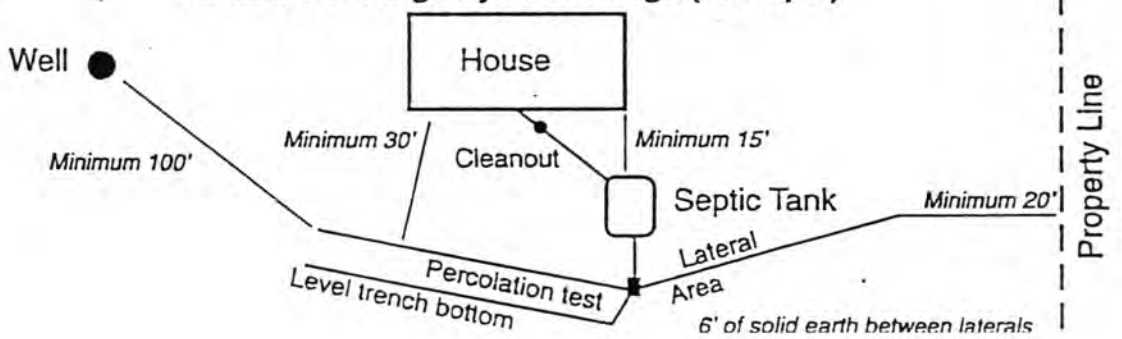
(Provide as-built drawings on back of this form)

1. Type: ☑ Half rounds ☐ Perforated pipe
   Diameter of half round: 36
   or perforated pipe: ____
   Material: ☐ fiberglass ☑ plastic ☐ concrete
   ☐ other ____
2. Lateral lines: Number 2
   Length of each line: 100' ft. 100' ft.
   ____ ft. ____ ft., ____ ft.
3. Trench dimensions: Width 4 ft.
   Slope ____ in/100 ft.
   Average depth 32 in
4. Filter material: ____
   Depth of material ____ in.
5. Distances to: Well or suction line ____ ft.
   Stream ____ ft.
   Pressure line ____ ft.
   Property line ____ ft.

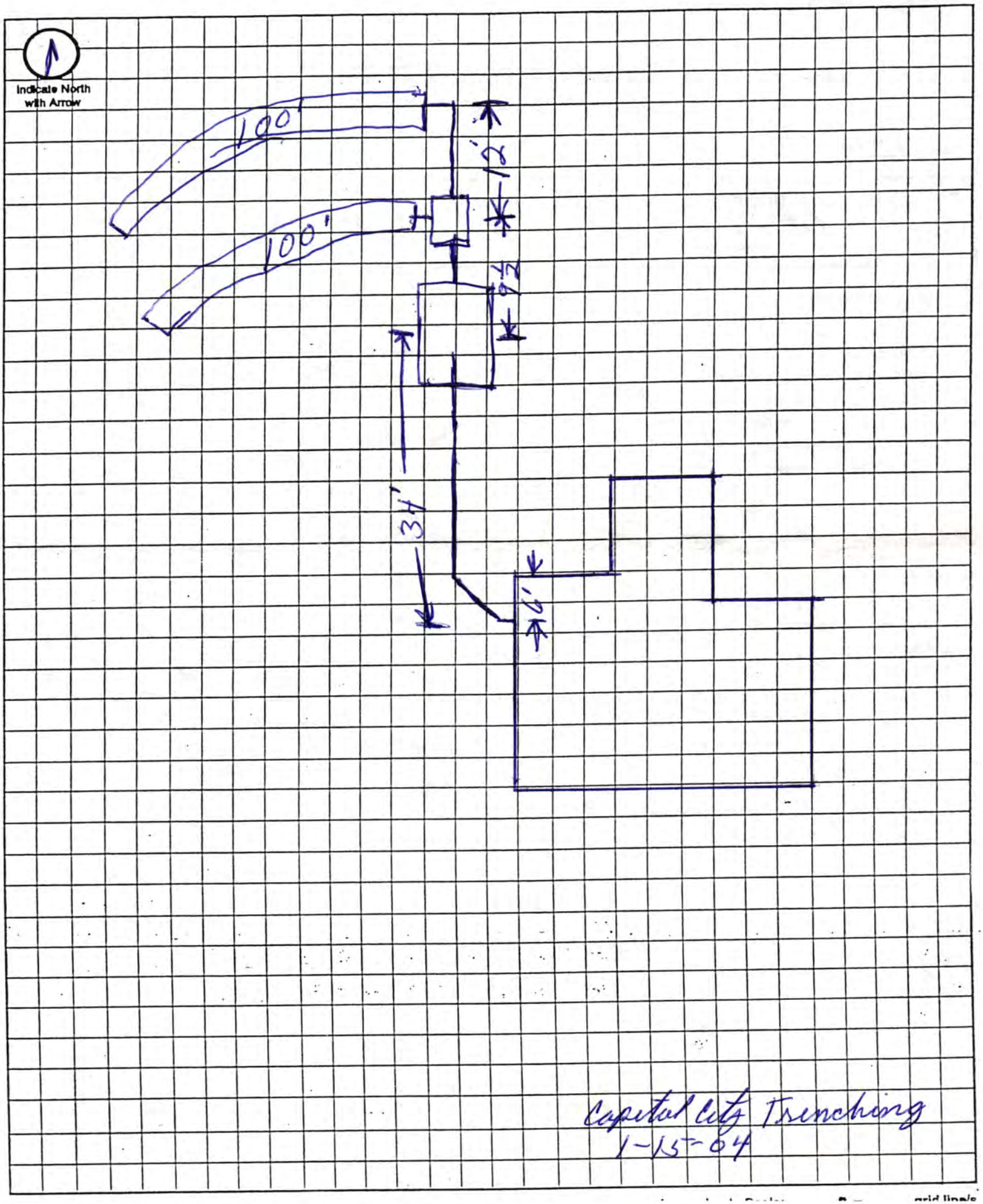
Complete "As Built" drawing on back of this form.

Indicate North with Arrow

Individual Sewage System Design (Example)



As Built Drawing



Capital City Trenching
1-15-04