Lincoln-Lancaster County Health Department
ENVIRONMENTAL PUBLIC HEALTH DIVISION

005271

3140 N STREET · LINCOLN, NE 68510-1514

(402) 441-8000

Permit

SEWAGE INSTALLATION
SEPTIC SYSTEM

Permit # 04380285301

Issued 07/28/03
Expires 01/28/04
Revenue Code 3157

Establishment

JAMES J AUSTIN
T11N R7E SEC 15
FNIGAN RIDGE ADDN BLK 1 LOT 5
11701 N 79 ST

FEES: $200.00

Permittee

JAMES J AUSTIN
5325 MISSION CIR
LINCOLN NE 68521

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 JUL 28 2003

A

Permit Number: 03400108 3-01
04380285301

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 11,701 N. 75th St (no rural route) City Lincoln NE, Zip 68517

Legal Description 15 11 N 7E Finigan Ridge add 1 5
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 Austin Power Homes P. L. Signature James J Austin

Address 5325 Mission Cr City/State/Zip Lincoln NE 68521

☐ Check if owner designed system Home Phone 477-7569 Work Phone 499-4343

C. Contractor

Name Shawn Tucker Company Name Tucker Bros. Homes

Address 2255 Breckenridge City/State/Zip Lincoln, NE 68521

☐ Check if contractor designed system Work Phone 580-8117 483-3310 Hm

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

Designer Name Mike Firm Waverly plumbing + well 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 7/28/03 Date frwd _____ ACTION ☑ Approved ☐ Disapproved Signature Jerrold C. Wood
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd 9-28-03 Date frwd 9-22-03 ACTION ☒ Approved ☐ Disapproved Signature _____
3. **City or County Engineer** Date rec'd 9-22-03 Date frwd 9-22-03 ACTION ☑ Approved ☐ Disapproved Signature _____

6/24/04 Need drawing I.C.#

Installation Final Written Approval

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

Date JUNE 30, 2004

Business Office Use Only

Date Rec'd 07/28/03
Amt Paid 200.00
Rec'd By lb Cash/Check No. 1040 lb

FORM 23-100 10-96 White - Health Dept. Yellow - Engineer Pink - Bldg. Inspector Also WC11

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

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 11701 N. 79th St. (no rural route) City Lincoln NE, Zip 68517

Owner James Austin Address 5325 Mission Cr. Lincoln NE 68521

Soil Type (SCS): SHARPSBURG SILTY CLAY LOAM. Percolation Rate: _____ min./inch

Date of Tests 6-27-03 to 6-29-03 Weather: Precipitation dry Temperature 80

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	36	6-27	4:00	6-29	11:00	6-29	11:30	6"	6-29	12:00	30	3"	
2		↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	3"	
3												2¾"	
4												2¾	
5												2"	
6	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	3"	

Person Conducting Percolation Tests

Name: Dave Dietze (560-4962)

Phone: 786-2682

Address 9651 N. 149th PL Waverly NE 68462

Mike Dietze (560-2923)

Sum of Percolation Rates: _____

Average of Rates: _____

Rate Used for Calculation: 11

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks FAST FOR SHARPSBURG SILTY CLAY LOAM. SEE LLCHD Perc Test

Signature of Reviewing Official Jerrold C. Hood R.E.H.S. Date JULY 7, 2003

FORM 23-101 10-86

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

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 11701 N. 79th St (no rural route) City Lincoln NE, Zip

Owner Addresss

Soil Type (SCS): sharpesburg Percolation Rate: 12 min./inch

Date of Tests 11-20-03 to 11-21-03 Weather: Precipitation 0 Temperature 35°

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	11-20	9:00a	11-20	1:00p	11-21	8:15	6	11-21	12:15	30	5.50	5
2	37	"	"	"	"	"	"	"	"	"	30	1.75	17
3	30	"	"	"	"	"	"	"	"	"	30	3.00	10
4	37	"	"	"	"	"	"	"	"	"	30	1.75	17
5	28	"	"	"	"	"	"	"	"	"	30	3.25	9
6	31	"	"	"	"	"	"	"	"	"	30	2.25	13
												6 @ 7.5 2.92	6 @ 12 mpi
												10 mpi	

Sum of Percolation Rates: 71

Average of Rates: 12

Rate Used for Calculation: 12

Person Conducting Percolation Tests

Name: Terri Jakoubek - Raymond Contracting

Phone: 402-783-2663 or 402-890-3870 Inc.

Address 13800 NW 70th St

Raymond, NE 68428

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks

Signature of Date

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

B

Permit Number:

1st perc test

Sewage Disposal System

Soil Absorption Test Data Report

Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address 11701 No. 79th St. (no rural route) City Lincoln NE, Zip

Owner Addresss Finnigan Ridge Addition

Soil Type (SCS): Sharpsburg silty clay loam Percolation Rate: min./inch

Date of Tests Nov-20-03 to Nov-21-03 Weather: Precipitation clear Temperature 35°F Windy

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 6" dia	36"	11-20-03	10:30	11-21-03	2:30	11-21-03	7:30AM	7½	11-21-03	8:30AM	30	1 1/16 (1.0625)	28 mpi
#2	24"	"	"	"	"	"	"	7½	"	"	"	1½ (1.5)	20
#3	24"	"	"	"	"	"	"	7½	"	"	"	1 1/16 (1.0625)	45 mpi
#4	24"	"	"	"	"	"	"	7½	"	"	"	1 (1.0)	30 mpi
#5	24"	"	"	"	"	"	"	7½	"	"	"	1¼ (1.25)	24
#6	36"	"	"	"	"	"	"	7½	"	"	"	4 15/16 (4.9375)	6 mpi
												6/(20+375 1.7396 = 25 mpi	
	Started 1st hole on ½ hr. and each hole measured								Because of a floating reference point calculation error, 7½" of water was used in				
	in same sequence so that all holes were								each test hole instead of the 6" that				
	measured within each other.			about one minute of					should have been used according to procedure.				

Person Conducting Percolation Tests

Name: Ron Marquart

Phone: 441-8030

Address

Sum of Percolation Rates:

Average of Rates: >20 mpi variation

Rate Used for Calculation: [redacted] mpi

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks This is the fastest perc rate LLCHD has ever seen for Sharpsburg soil! Used geotextile fabric liner in each of the holes for this perc test. Soil boring analysis by hole #6 showed well-developed root zone structure in the soil at 2-8 ft deep.

Dec-1-03

Signature of Reviewing Official Ron Marquart Date Nov-24-03

FORM 23-101 10-96

B

Permit Number:

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

2nd Consecutive Perc test

Sewage Disposal System
Soil Absorption Test Data Report
Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address 11701 No. 79th (no rural route) City Lincoln NE, Zip

Owner Addresss Finnigan Ridge Estates Blk 1, Lot #5

Soil Type (SCS): Shrewsbury silty clay loam Percolation Rate: min./inch

Date of Tests Nov-21-03 to Nov-22-03 Weather: Precipitation clear Temperature 45°F windy

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	36" 6½ to 7" dia	11-21-03	11:30 AM	11-22-03	3:30 PM	11-22-03	9:15 AM	6"	11-22-03	1:15 PM	30"	2 3/16 2.1875	14
#2	24" "	"	"	"	"	"	"	6"	"	"	"	2 5/16 2.3125	13
#3	24 "	"	"	"	"	"	"	6"	"	"	"	1 1/8 1.1250	27 mpi
#4	24 "	"	"	"	"	"	"	6"	"	"	"	1 1/16 1.0625	28
#5	24 "	"	"	"	"	"	"	6"	"	"	"	2 1/8 2.1250	14
#6	36" "	"	"	"	"	"	"	6"	"	"	"	5 9/16 5.5625	5 mpi
												6 (1+2.25 / 2.375"	17 mpi

Person Conducting Percolation Tests

Name: Ron Maynard

Phone: 441-8030

Address

Sum of Percolation Rates:

Average of Rates:

Rate Used for Calculation:

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks * 2nd consecutive perc test after a 2nd consecutive presoak.

Signature of Reviewing Official Ron Maynard Date 11-24-03

FORM 23-101 10-96

B

Permit Number:

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

3rd Consecutive Perc test

Sewage Disposal System
Soil Absorption Test Data Report
Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address 11701 No 78th (no rural route) City Lincoln NE, Zip

Owner Addresss Finnigan Ridge Estates, Blk 1, Lot 5

Soil Type (SCS): Shapeburg silty clay loam Percolation Rate: min./inch

Date of Tests to Weather: Precipitation light snow (2 1/4") Temperature 30°F very windy

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	36" 64 to 36" dig depth	11-22-03	1:00PM	11-22-03	5:00PM	11-23-03	8:30AM	6"	11-23-03	12:00	30"	1 1/2 1.5	20
#2	24" "	"	"	"	"	"	"	"	"	"	"	1 7/16 1.4375	21
#3	24" "	"	"	"	"	"	"	"	"	"	"	1 1/8 1.125	27 mpi
#4	24" "	"	"	"	"	"	"	"	"	"	"	1 3/8 1.3750	22
#5	24" "	"	"	"	"	"	"	"	"	"	"	2 3/16 2.1875	14
#6	36" "	"	"	"	"	"	"	"	"	"	"	4 1/4 4.25	7 mpi
												6 test 18" 6 test 18"	18.5 mpi

Person Conducting Percolation Tests

Name:

Phone:

Address

Sum of Percolation Rates:

Average of Rates:

Rate Used for Calculation:

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks * 3rd consecutive perc test after 3rd consecutive presoak

Signature of Reviewing Official Ron Mayeur Date 11-24-03

FORM 23-101 10-96

B

Permit Number:

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

PERC TEST HOLES USED TO SIZE ABSORPTION FIELD

Sewage Disposal System

Soil Absorption Test Data Report

Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address 11701 No. 79th St. (no rural route) City Lincoln NE, Zip

Owner Addresss Finnigan Ridge Addition

Soil Type (SCS): Shapsburg silty clay loam Percolation Rate: min./inch

Date of Tests NOV-20-03 to NOV-21-03 April-7-04 to April-8-04 Weather: Precipitation clear Temperature 35°F windy + 60°F "

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 7" dia	24"	4-7-04	9:00AM	4-7-04	1:00PM	4-8-04	7:30	6"	4-8-04	11:30	30	4" (4.0)	8 mpi
#2 "	24"	"	"	"	"	"	"	6"	"	"	30	1 5/16 (1.3125)	23 "
#3 "	24"	"	"	"	"	"	"	6"	"	"	10 min	2" (2.0)	5 "
#4 "	24"	11-20-03	10:30	11-21-03	2:30	11-21-03	7:30	6"	11-21-03	11:30	30	1 1/2 (1.5)	20 "
#5 "	24"	"	"	"	"	"	"	"	"	"	30	1 1/4 (1.25)	24 "
#6 "	36"	"	"	"	"	"	"	"	"	"	30	4 15/16 (4.9375)	8 to 10 "
												6 1/2 (6.5)	15 mpi
													67 1/2 hr. continuous presoak
	(near middle of lot)												

(near west end of lot)

12 mpi 12 mpi 18 mpi 12 mpi

Person Conducting Percolation Tests

Name: Ron Marquart

Phone: 441-8030

Address

Sum of Percolation Rates: 90 mpi

Average of Rates: 15 mpi

Rate Used for Calculation: 15 mpi

usal to Siege system

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks Soil borings showed highly developed structure in the form of small root channel pores. (A presoak continuously for 67½ hrs. only slowed one hole from 6 mpi to 10 mpi. this perc test was used to size system

Signature of Reviewing Official Ron Marquart Date 4-8-04

FORM 23-101 10-96

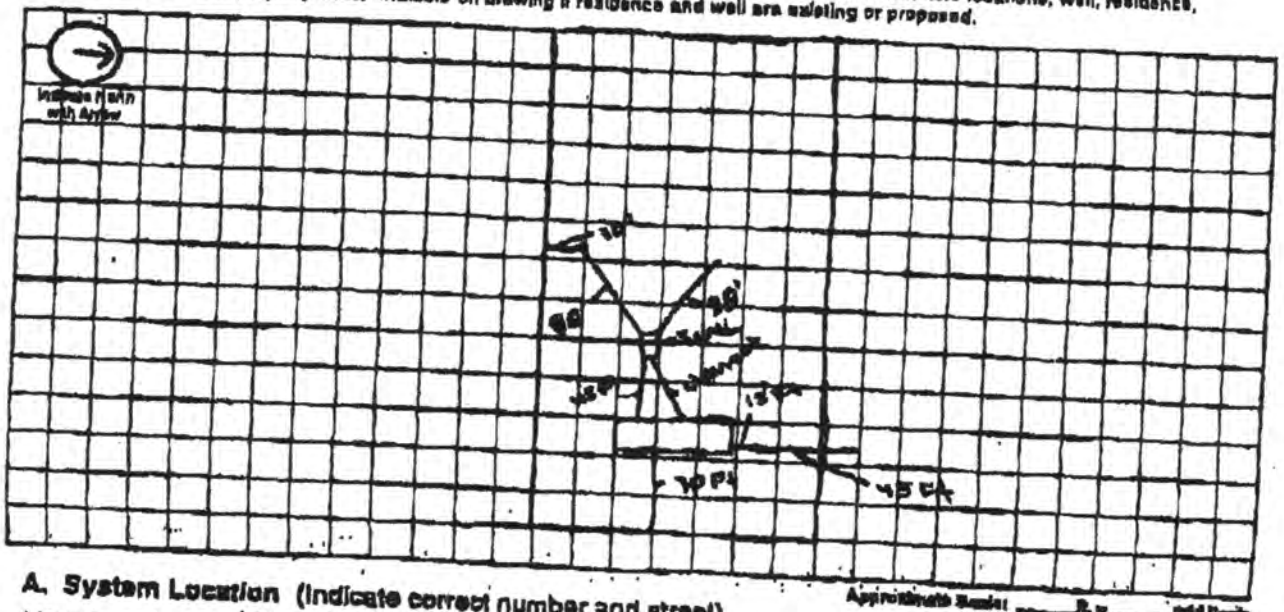
Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1814
Phone: 402-441-8022

C

Permit Number:

Sewage Disposal System
Preliminary Plan Specifications

Draw a plat 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 lines

A. System Location (Indicate correct number and street)

Address (no rural route) 1701 N. 29th St City Lincoln NE Zip 68510

B. Proposed Septic Tank/s

Tank Material: ☒ Concrete ☐ ___ ☐ Other ___

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

Percolation Rate 10 (min. per inch) Soil Type: SHARPSBURG SILTY CLAY LOAM Land Slope: ___ %

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

Total Square Feet of Field Required: 630 sq. ft.

Type of Lateral: ☒ Half-Moon ☐ Perforated Pipe ☐ Other Lateral Material: Infiltrator w/ Gravel

Capacity of Septic Tank 1250 gals Number of Absorption Beds: 2 Number of Distribution Laterals per Bed ___

Total Length of Laterals 158 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 NA	Surface Water NA	Ground Water NA	Pressure Water Lines	Property Lines	Foundations Yours	Foundations Neighbors	All Other Setbacks
Tank (ft)	50 ☒	250 ☐	50 ☐	NA ☐	25 ☒	10 ☒	10 ☒	20 ☒	☒
Field (ft)	100 ☒	400 ☐	50 ☐	4 ☐	30 ☒	20 ☒	20 ☒	40 ☒	☒
Lagoon (ft)	100 ☒	500 ☐	50 ☐	N/A ☐	30 ☒	50 ☒	100 ☒	200 ☒	☒

E. Required Signatures

Home Building Contractor ___ Date 7.7.03

Installer Michael P. Peetz Date 7-25-03

Waverly Plumbing & Well Co.

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

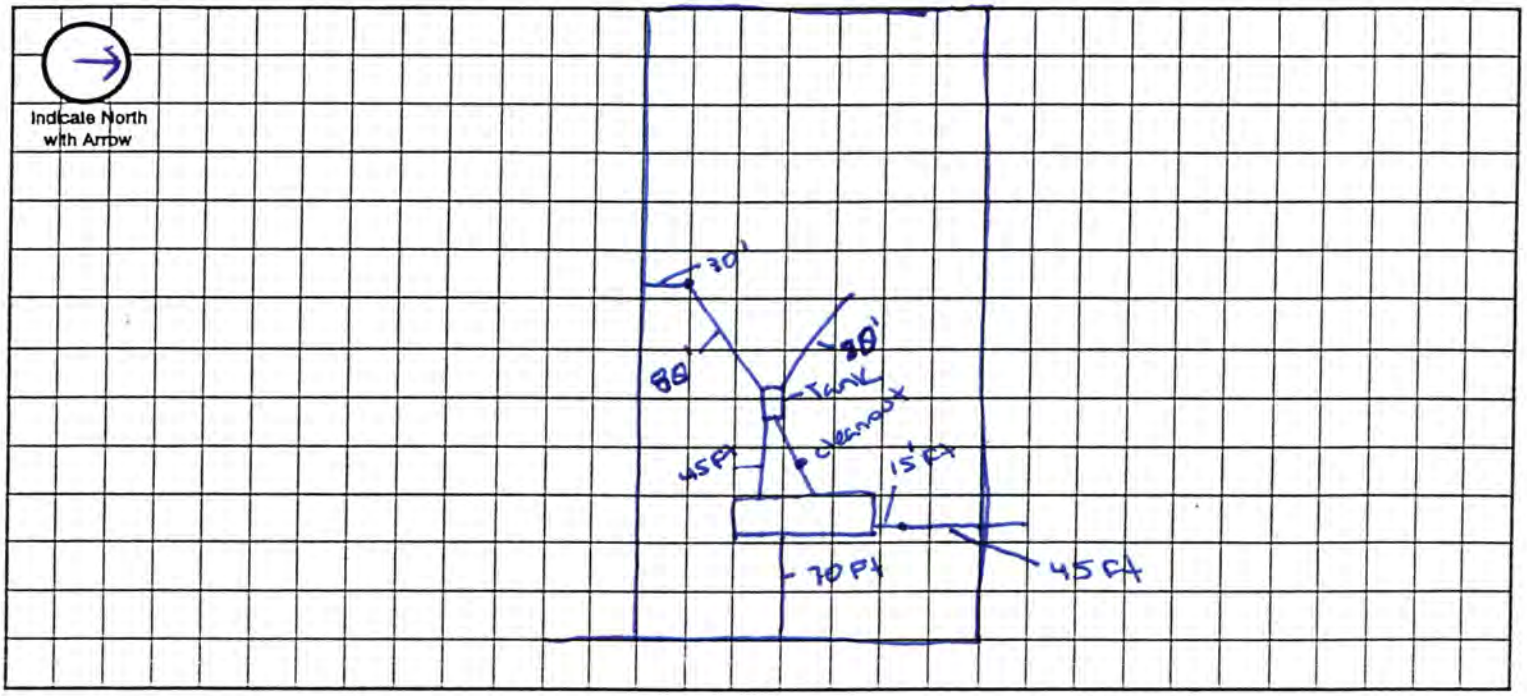
C

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) 11701 N. 29th St City Lincoln NE, Zip 68517

B. Proposed Septic Tank/s

Tank Material: ☐ Concrete ☑ Plastic ☐ Other _____

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

Percolation Rate ~~10~~ 30 15 (min. per inch) Soil Type: SHARPSBURG SILTY CLAY LOAM Land Slope: _____ %

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

Total Square Feet of Field Required: ~~630~~ ~~990~~ sq. ft. 630

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

Capacity of Septic Tank ~~1000~~ 1250 gals Number of Absorption Beds: _____ Number of Distribution Laterals per Bed _____

Total Length of Laterals ~~1500~~ ft. 1585 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 7.7.03

Installer _____ Date _____

JUN 2 8 2004

D

Permit Number:

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

Sewage Disposal System

As Built Plans & Specifications

Date 6/24/04

System Location (Indicate correct number and street)

Address 11701 N 79ST. (no rural route) City Lincoln NE, Zip 68517

A. Building Sewer

1. Material: PVC class160.
   Diameter: 4 in.
2. Distance above basement floor: _____ in.
   or distance below basement floor: 3' in.
3. Distance between dwelling and septic tank: 80' 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 50+ ft.

B. Septic Tank

1. Material: Concrete
   Number of compartments: one
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: 16 in.
8. Distances to: Well or suction line 100+ ft.
   Stream 100+ ft.
   Pressure line 100+ ft.
   Property line 50+ ft.

C. Distribution Box

1. Material: PVC
   Number available outlets: 3
2. Factory built: ☒ Yes ☐ No
3. Distance from septic tank: 26' ft.

D. Absorption Field

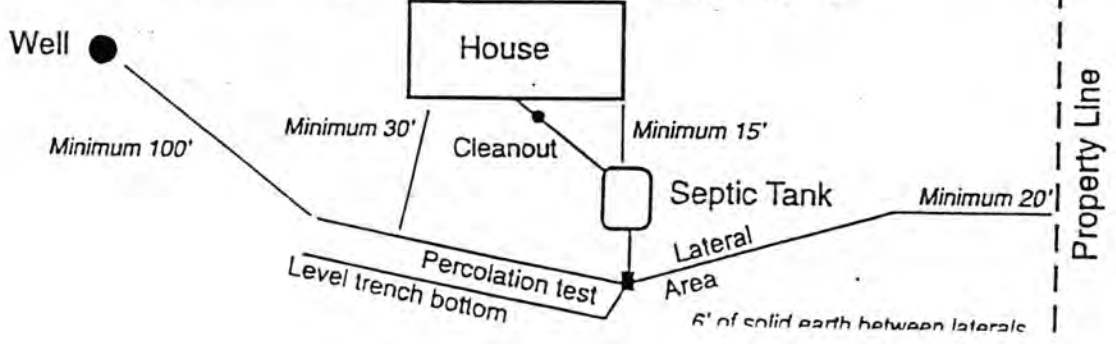
(Provide as-built drawings on back of this form)

1. Type: ☒ Half rounds ☐ Perforated pipe
   Diameter of half round: H-10 Standard
   or perforated pipe: _____
   Material: ☒ fiberglass ☐ plastic ☐ concrete
   ☐ other _____
2. Lateral lines: Number 2
   Length of each line: 102 ft. 56.25 ft.
   _____ ft. _____ ft., _____ ft.
3. Trench dimensions: Width 4 ft.
   Slope Flat in/100 ft.
   Average depth 28" in
4. Filter material: Dirt.
   Depth of material _____ in.
5. Distances to: Well or suction line 100+ ft.
   Stream 100+ ft.
   Pressure line 100+ ft.
   Property line 50+ ft.

Indicate North with Arrow

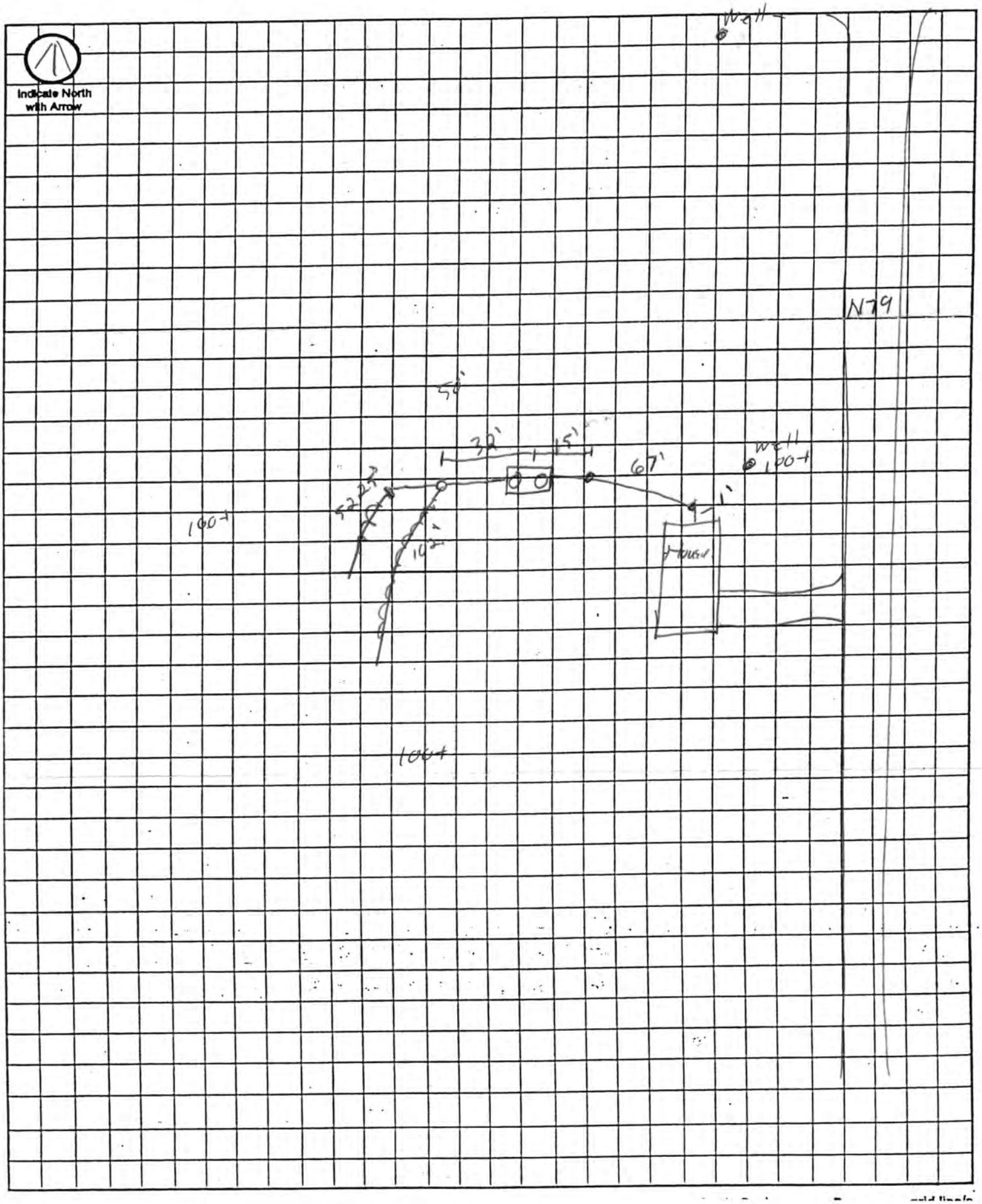
Complete "As Built" drawing on back of this form.

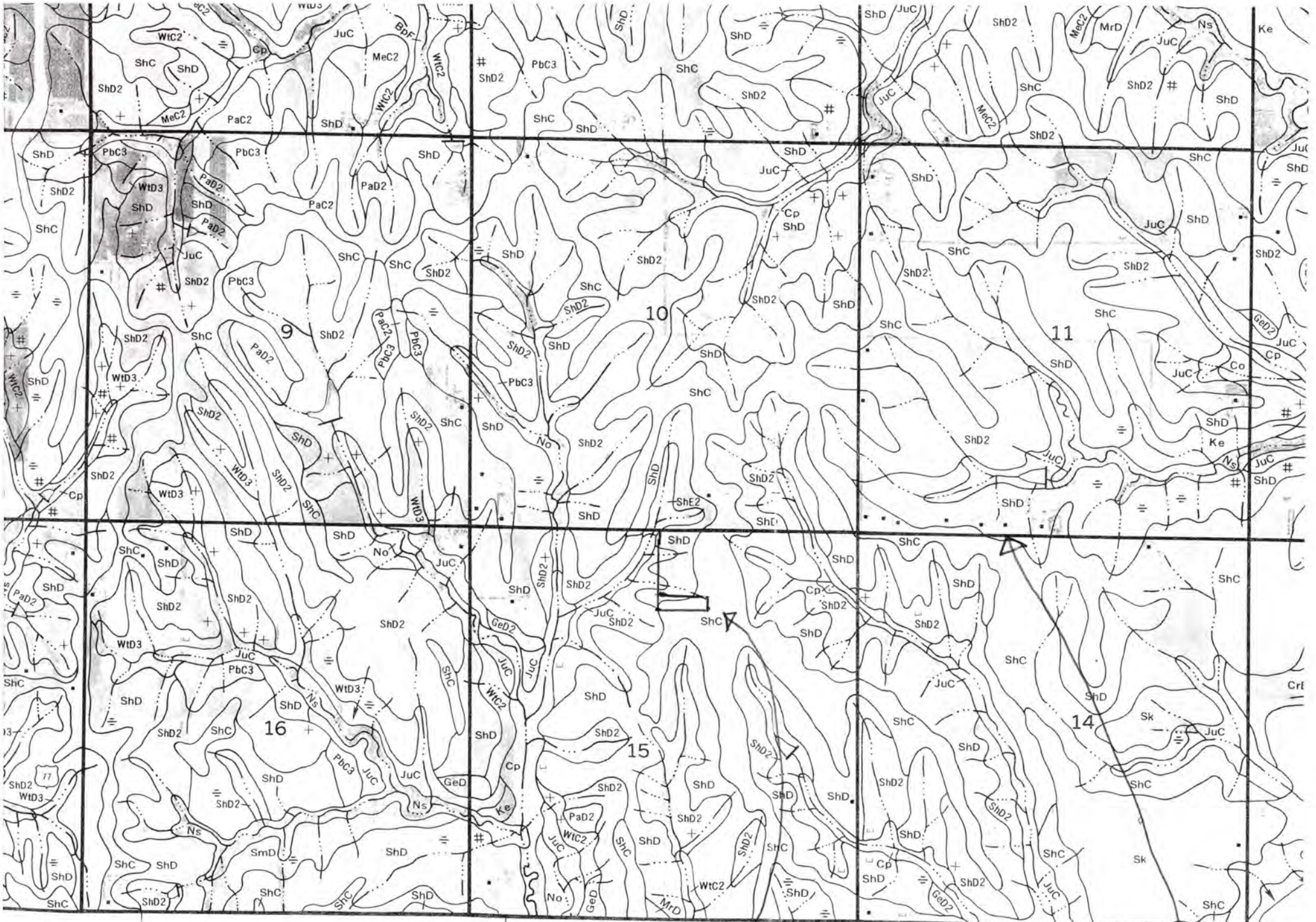
Individual Sewage System Design (Example)



FORM 23-103 10-96

As Built Drawing




9
10
11
16
15
14
WtC2
ShC
ShD
ShD2
MeC2
PaC2
PbC3
PaD2
WtD3
JuC
BpF
Cp
MrD
Ns
Ke
Co
Sk
GeD2
ShE2
No
PbC3
SmD
GeD
77
Finigan Redge Add. Blk 1, Lot 5
11701 No. 79th
210'x 625' = 3 acres (1/16" = 100ft)
N. 94th
Waverly Rd