Lincoln-Lancaster County Health Department
Environmental Public Health Division (402) 441-8027
3140 N Street Lincoln, NE 68510-1514

ON-SITE WASTE WATER SYSTEM
CONSTRUCTION - INSTALLATION PERMIT

No. HS000079

System Type: LAGOON

Situs: 9155 W BURNHAM ST LC

Legal Description: T09N-R05E-S03-3-Lot 2

Owner:

Permit Fee:	$305.00
Variance Fee:	$0.00
Extension Fee:	$0.00
Total Fees:	$305.00

Issued:	04/01/2008
Expires:	04/01/2009

Bruce D. Dart, PhD, Health Director

On-site Waste System Permit Holder:

The above document is your permit to construct a new On-site Waste Water System at the location listed. Please contact this office once the sytem is complete in order to schedule a final inspection before use.

Bruce D. Dart, PhD
Health Director

RAYMOND CONTRACTING
13800 NW 70TH
RAYMOND NE 68428

LLCHD HS000079

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

A

Permit Number: HS000079

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 9155 W Burnham St (no rural route) City Denton NE, Zip 68339

Legal Description SW (1/4) 3 (1/4) 9 Section 5 Township Range Conestoga Lake Estates Subdivision Addition 3 Block 2 Lot

Geographical Location (if known): Longitude _____ Latitude _____

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

B. Owner

Name Fred & Stava Paul Signature _____

Address 2830 Jamison N #21 City/State/Zip Lincoln, NE

☐ Check if owner designed system Home Phone _____ Work Phone 770-1462

C. Contractor

Name Ken Innes Company Name Skyline Homes

Address 1524 Skyline Dr. City/State/Zip Lincoln, NE 68506

☐ Check if contractor designed system Work Phone 402-314-1147

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

Designer Name Lloyd Jakoubek Firm Raymond Contracting Inc Work Phone 402-890-6004

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 _____ Date frwd _____ ACTION ☐ Approved ☐ Disapproved Signature _____
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd _____ Date frwd _____ ACTION ☐ Approved ☐ Disapproved Signature _____
3. **City or County Engineer** Date rec'd _____ Date frwd _____ ACTION ☐ Approved ☐ Disapproved Signature _____

Installation Final Written Approval

By _____

Date _____

Business Office Use Only

Date Rec'd 3/26/08

Amt Paid 305.00

Rec'd By TDF Cash/Check No. 6684

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

4-1-2008 15:33:55

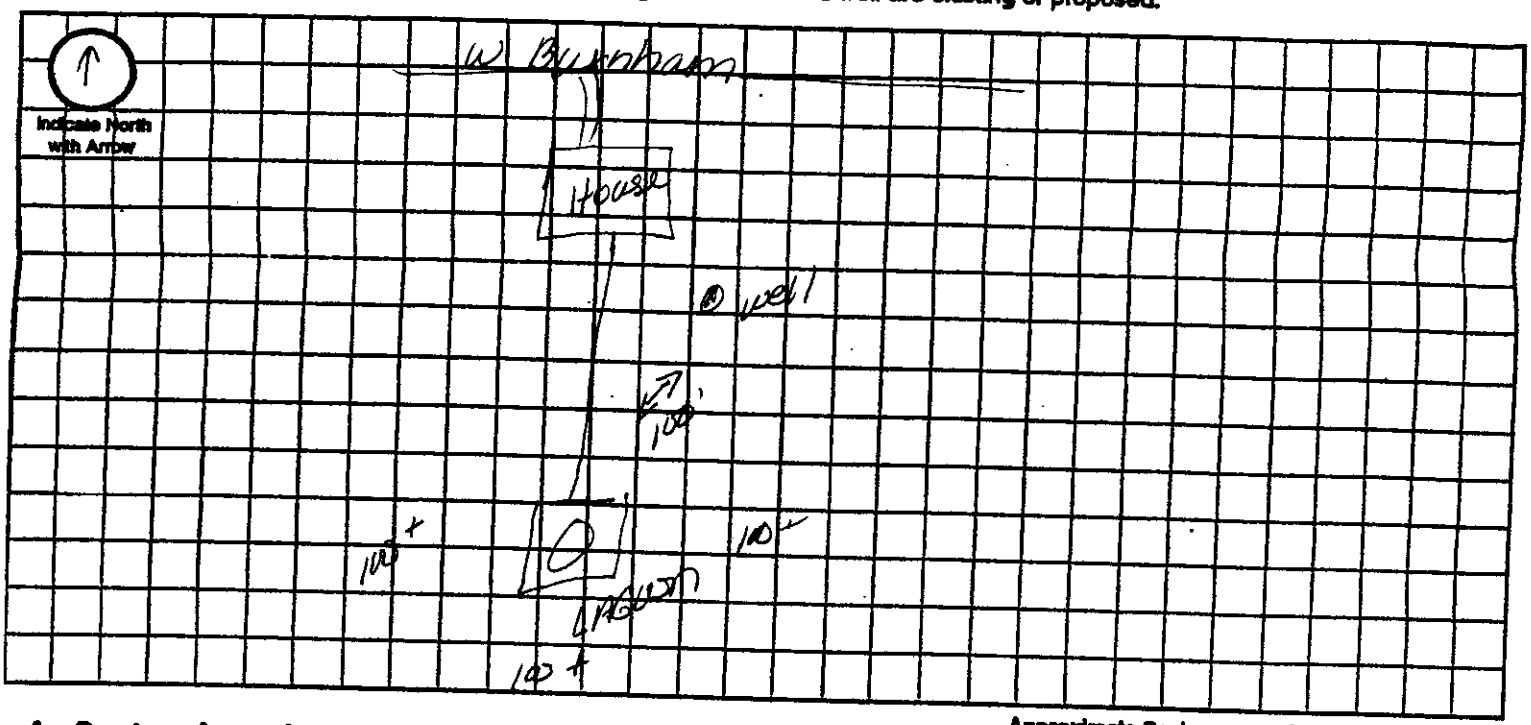
Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

C

Permit Number: HS000079

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) 9155 W Burnham City Denton NE, Zip 68339

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: _____ sq. ft.

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

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

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

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 Kenneth R. Owen for Skyline Homes Date 3-18-08

Installer _____ Date 3-17-08



"Ken Schroeder" <kschroed@co.lancaster.ne.us>
04/01/2008 02:53 PM

To "Nate Hartman" <nhartman@lincoln.ne.gov>
cc
bcc
Subject Permit No HS000079

Nate,

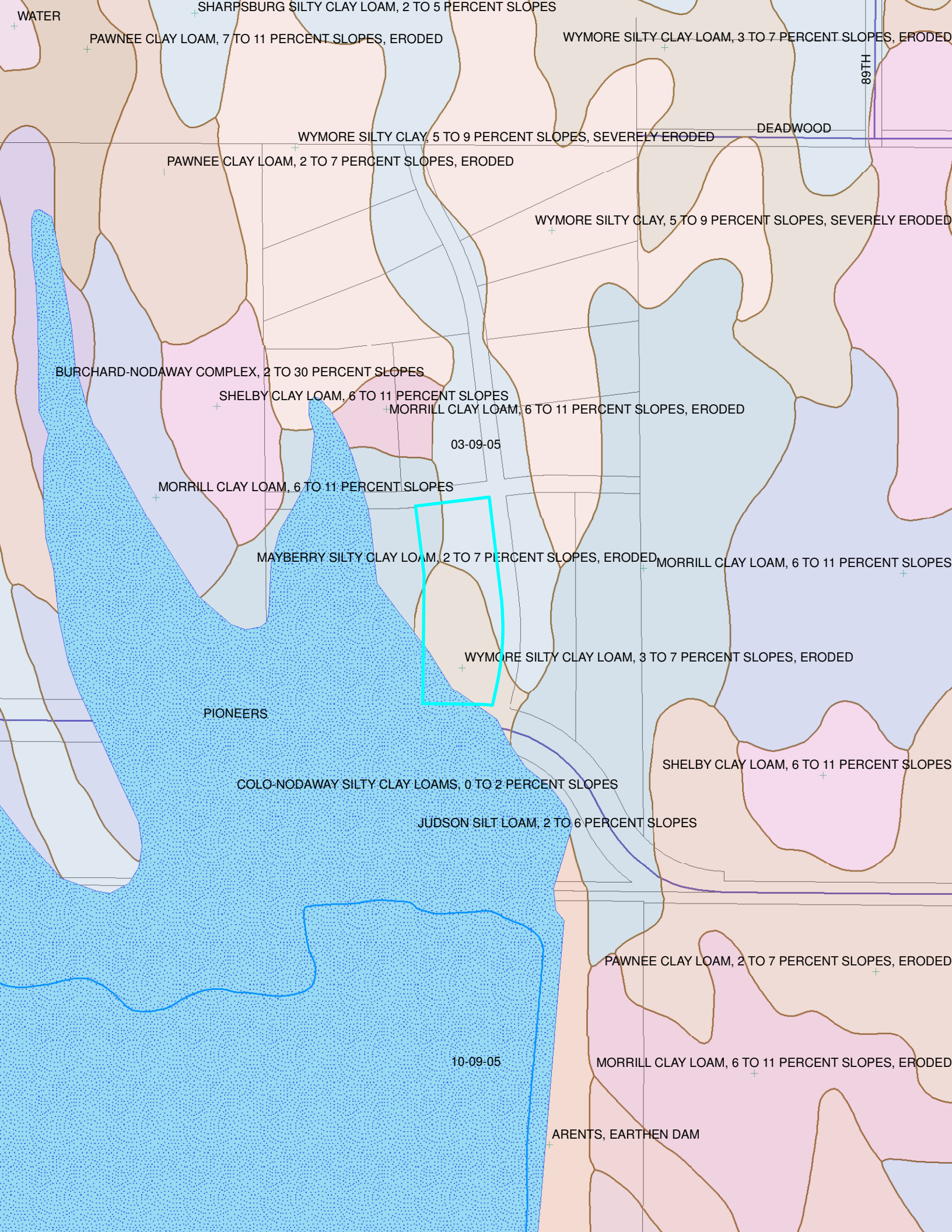
This is to follow up on our phone conversation today in reference to Sewage Disposal System Permit No 000079 for Lot 2 , Block 3, Conestoga Lake Estates located in Section 3, T-9-N, R-5-E.
Lancaster County Engineering Department indicates approval for waste water system subject to the lagoon dike being 1 foot above the 100 year flood elevation.

Kenneth D. Schroeder, R.L.S.
Lancaster County Engineering Dept.
444 Cherrycreek Road, Bldg. "C"
Lincoln, NE 68528
kschroeder@lancaster.ne.gov
Phone (402) 441-7681
Fax (402) 441-8692

Gordon G McGill/Notes
04/01/2008 02:16 PM

To Nate C Hartman/Notes@Notes
cc
bcc
Subject

9155 W BURNHAM CONASTOGA LAKE ESTATES BLOCK 3 LOT 2 IS APPROVED


WATER
SHARPSBURG SILTY CLAY LOAM, 2 TO 5 PERCENT SLOPES
PAWNEE CLAY LOAM, 7 TO 11 PERCENT SLOPES, ERODED
WYMORE SILTY CLAY LOAM, 3 TO 7 PERCENT SLOPES, ERODED
89TH
DEADWOOD
WYMORE SILTY CLAY, 5 TO 9 PERCENT SLOPES, SEVERELY ERODED
PAWNEE CLAY LOAM, 2 TO 7 PERCENT SLOPES, ERODED
WYMORE SILTY CLAY, 5 TO 9 PERCENT SLOPES, SEVERELY ERODED
BURCHARD-NODAWAY COMPLEX, 2 TO 30 PERCENT SLOPES
SHELBY CLAY LOAM, 6 TO 11 PERCENT SLOPES
MORRILL CLAY LOAM, 6 TO 11 PERCENT SLOPES, ERODED
03-09-05
MORRILL CLAY LOAM, 6 TO 11 PERCENT SLOPES
MAYBERRY SILTY CLAY LOAM, 2 TO 7 PERCENT SLOPES, ERODED
MORRILL CLAY LOAM, 6 TO 11 PERCENT SLOPES
WYMORE SILTY CLAY LOAM, 3 TO 7 PERCENT SLOPES, ERODED
PIONEERS
SHELBY CLAY LOAM, 6 TO 11 PERCENT SLOPES
COLO-NODAWAY SILTY CLAY LOAMS, 0 TO 2 PERCENT SLOPES
JUDSON SILT LOAM, 2 TO 6 PERCENT SLOPES
PAWNEE CLAY LOAM, 2 TO 7 PERCENT SLOPES, ERODED
10-09-05
MORRILL CLAY LOAM, 6 TO 11 PERCENT SLOPES, ERODED
ARENTS, EARTHEN DAM

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

A

Permit Number: H5000079

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 9155 W Burnham St (no rural route) City Denton NE, Zip 68339

Legal Description SW (1/4) 3 (1/4) 9 (Section) 5 (Township) Conestoga Lake Estates (Range/Subdivision) 3 (Addition) 2 (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 Fred & Slava Paul Signature _____

Address 2830 Jameson N #21 City/State/Zip Lincoln, NE

☐ Check if owner designed system Home Phone _____ Work Phone 770-1462

C. Contractor

Name Ken Innes Company Name Skyline Homes

Address 1524 Skyline Dr. City/State/Zip Lincoln, NE 68504

☐ Check if contractor designed system Work Phone 402-314-1147

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

Designer Name Lloyd Jakoubek Firm Raymond Contracting Inc Work Phone 402-890-6009

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 3/31/08 Date frwd 3/31/08 ACTION ☑ Approved ☐ Disapproved Signature _____
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd 3/31/08 Date frwd 3/31/08 ACTION ☑ Approved ☐ Disapproved Signature _____
3. **City or County Engineer** Date rec'd 3/31/08 Date frwd 3/31/08 ACTION ☑ Approved ☐ Disapproved Signature _____

* Other approvals included *

Installation Final Written Approval

By _____

Date 6/18/08

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

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

SCANNED
SCANNED

A

Permit Number: H5000079

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 9155 W Burnham St (no rural route) City Denton NE, Zip 68339

Legal Description SW (1/4) 3 (1/4) Section 9 Township 5 Range Conestoga Lake Estates Subdivision Addition 3 Block 2 Lot

Geographical Location (if known): Longitude _____ Latitude _____

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

B. Owner

Name Fred & Shawn Paul Signature _____

Address 2830 Jamison N #21 City/State/Zip Lincoln, NE

☐ Check if owner designed system Home Phone _____ Work Phone 770-1462

C. Contractor

Name Ken Innes Company Name Skyline Homes

Address 1524 Skyline Dr. City/State/Zip Lincoln, NE 68506

☐ Check if contractor designed system Work Phone 402-314-1147

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

Designer Name Lloyd Jakoubek Firm Raymond Contracting Inc Work Phone 402-890-6009

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 _____ Date frwd _____	ACTION ☐ Approved ☐ Disapproved	Signature _____
2. Supt. Bldg. Insp. or Village Clerk	Date rec'd _____ Date frwd _____	ACTION ☐ Approved ☐ Disapproved	Signature _____
3. City or County Engineer	Date rec'd _____ Date frwd _____	ACTION ☐ Approved ☐ Disapproved	Signature _____

Installation Final Written Approval

By _____

Date _____

Business Office Use Only

Date Rec'd 5/26/08

Amt Paid 305.00

Rec'd By rdf Cash/Check No. 6681

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

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 9155 W Burnham St (no rural route) City Denton NE, Zip 68339

Owner Fred Paul Addresss 2830 Jameson #21 Lincoln, NE

Soil Type (SCS): Wymore WkC2 / Sharpsburg Percolation Rate: 60 min./inch

Date of Tests 5-13-08 to 5-14-08 Weather: Precipitation D Temperature

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	42	5-13	9:30a	5-13	1:30p	5-14	9:30a	6	5-14	1:30p	30	1 1/4	24
2	42	"	"	"	"	"	"	"	"	"	"	1/2	60
3	44	"	"	"	"	"	"	"	"	"	"	1/2	60
4	42	"	"	"	"	"	"	"	"	"	"	1 3/16	25
5	41	"	"	"	"	"	"	"	"	"	"	1/2	60
6	40	"	"	"	"	"	"	"	"	"	"	1 1/4	24
7	39	"	"	"	"	"	"	"	"	"	"	9/16	54

Person Conducting Percolation Tests

Name: Terri Jakoubek, Raymond Contracting, Inc

Phone: 402-783-2663 or 402-890-3878

Address 13860 NW 70th St

Raymond, NE 68428 #C1193

Sum of Percolation Rates: 307

Average of Rates: 44

Rate Used for Calculation: 60 (20 mpi variance)

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks

Signature of Reviewing Official Date

FORM 23-101 10-96

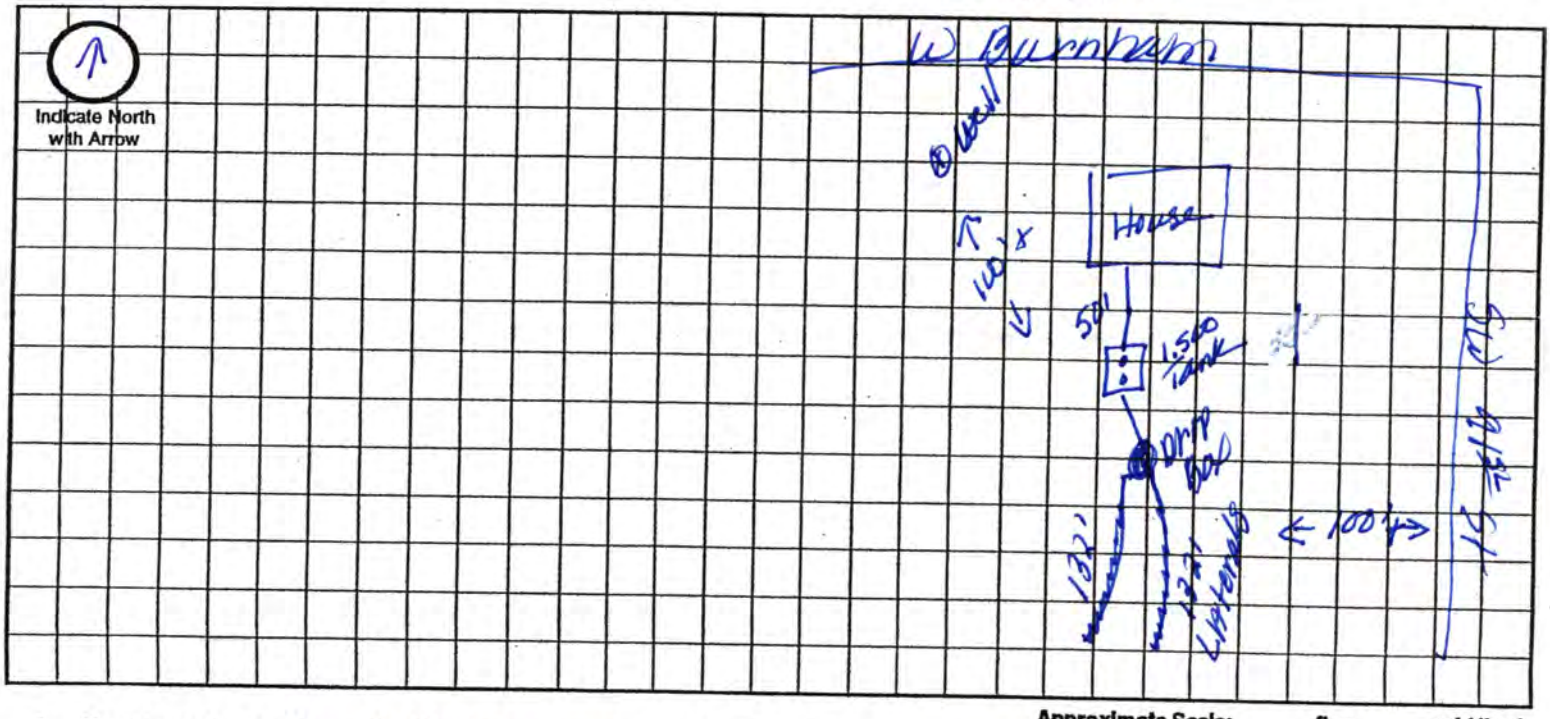
Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

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.



A. System Location (Indicate correct number and street)

Address (no rural route) 9155 w Burnham City Denton NE, Zip 68339

B. Proposed Septic Tank/s

Tank Material: ☒ Concrete ☐ Plastic ☐ Other _____

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

Percolation Rate 60 (min. per inch) Soil Type: Shurpsburg/Laymore Land Slope: _____ %

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

Total Square Feet of Field Required: 1,050 sq. ft.

Type of Lateral: ☐ Half-Moon ☐ Perforated Pipe ☑ Other Lateral Material: Infiltrator Quick 4

Capacity of Septic Tank 1,500 gals Number of Absorption Beds: _____ Number of Distribution Laterals per Bed _____

Total Length of Laterals 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 Ken Inness by Kevin Jakubek Date 6-3-08

Installer Kevin L. Jakubek Date 6-3-08

FORM 23-102 10-96

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 6-17-08

SW¼ 53-T9-R5
Conestoga Lake Estates Block 3 Lot 2

System Location (Indicate correct number and street)

Address 9155 W Burnham (no rural route) City Denton NE, Zip 68339

A. Building Sewer

1. Material: SDR 26
   Diameter: 4 in.
2. Distance above basement floor: _____ in.
   or distance below basement floor: 16 in.
3. Distance between dwelling and septic tank 97 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 30' 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: 12" in.
8. Distances to: Well or suction line 100+ ft.
   Stream 100+ ft.
   Pressure line 100+ ft.
   Property line ~~20~~ 25' ft.

C. Distribution Box

1. Material: 2 End caps.
   Number available outlets: 4
2. Factory built: ☒ Yes ☐ No
3. Distance from septic tank: 12' 22' 37' ft.

D. Absorption Field

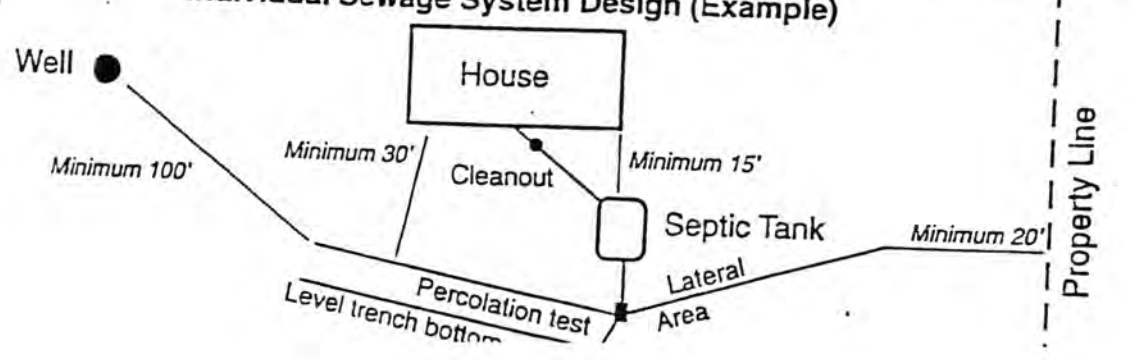
(Provide as-built drawings on back of this form)

1. Type: ☒ Half rounds ☐ Perforated pipe
   Diameter of half round: 12"Tall X 34"wide Quick4
   or perforated pipe: _____
   Material: ☐ fiberglass ☒ plastic ☐ concrete
   ☐ other _____
2. Lateral lines: Number 3
   Length of each line: 102 ft. 90 ft.
   81 ft. _____ ft., _____ ft.
3. Trench dimensions: Width 40" ft.
   Slope Flat in/100 ft.
   Average depth 32-42 in
4. Filter material: Dirt
   Depth of material 32-42 in.
5. Distances to: Well or suction line 100+ ft.
   Stream 100+ ft.
   Pressure line 100+ ft.
   Property line 7+ ft.

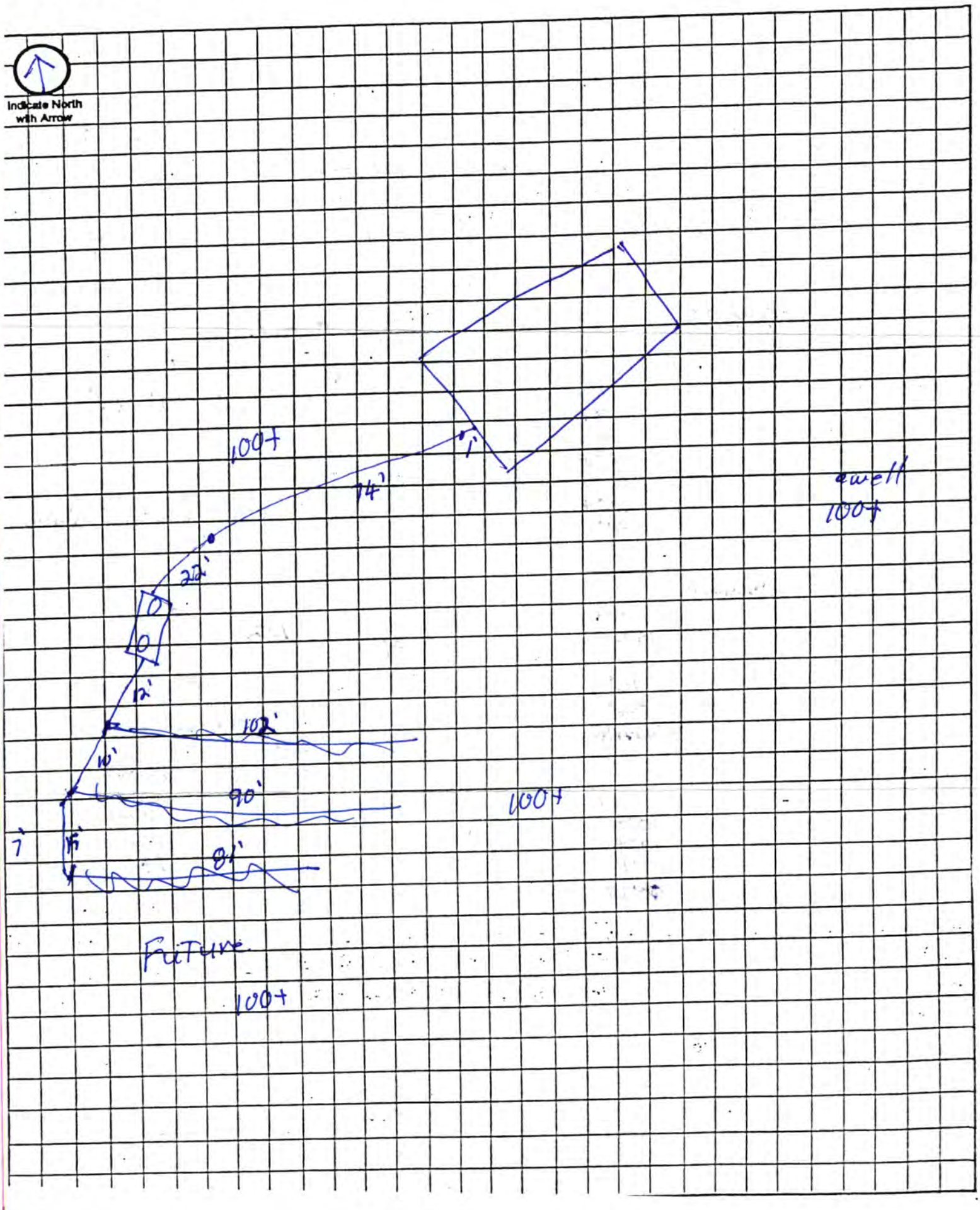
Indicate North with Arrow

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

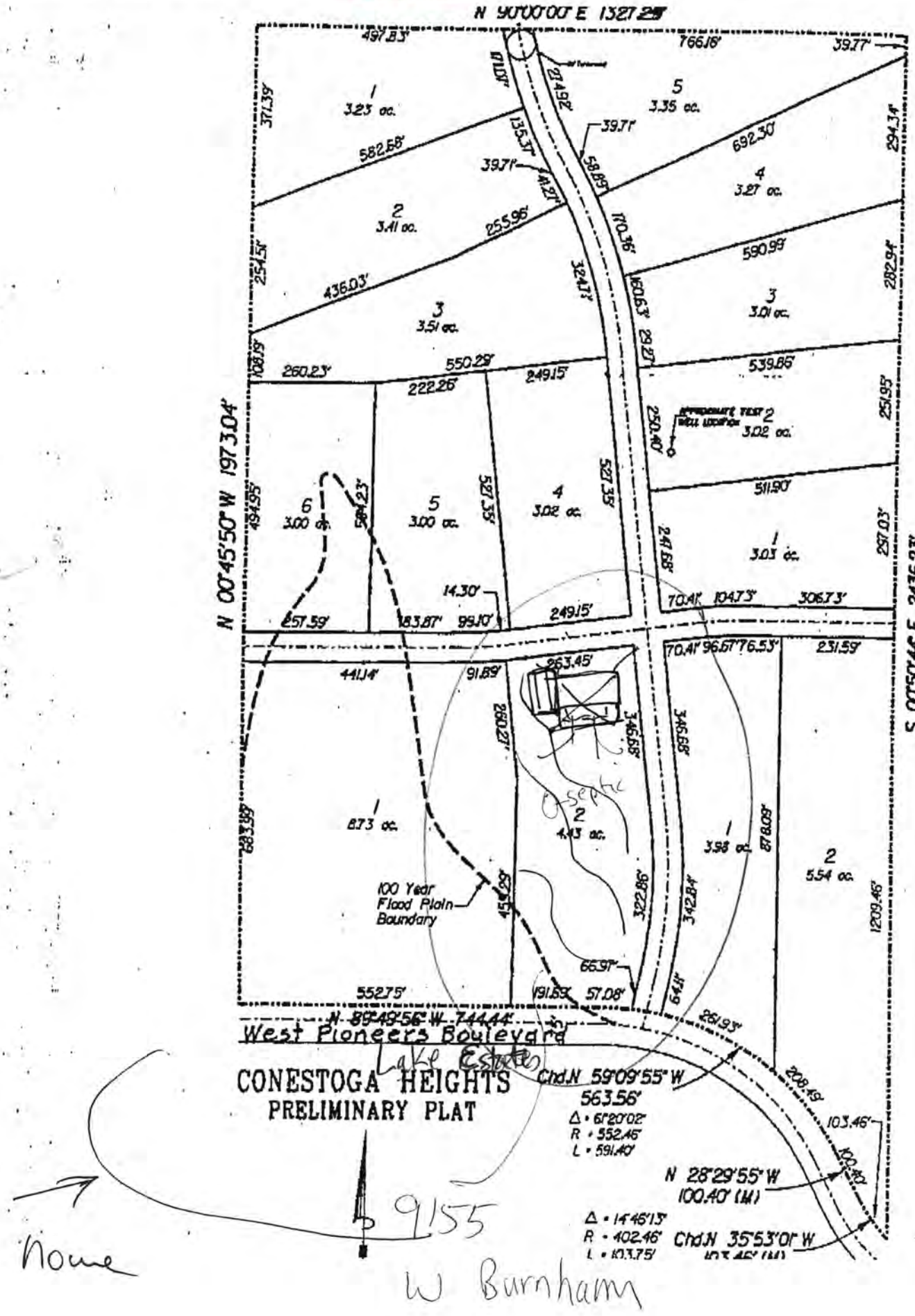
Individual Sewage System Design (Example)

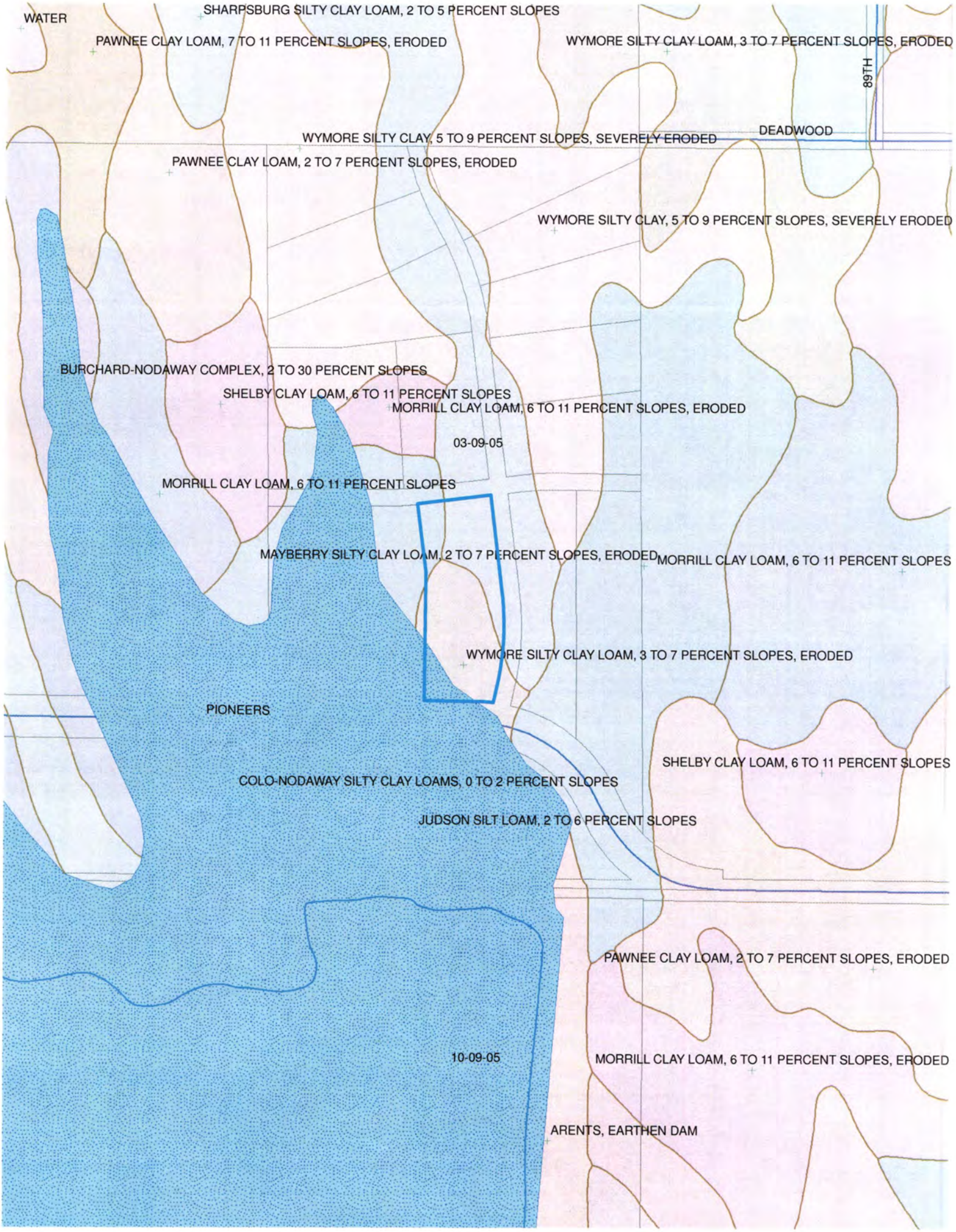


As Built Drawing



SCANNED


N 90°00'00" E 1327.28'
N 00°45'50" W 1973.04'
S 00°50'44" E 2436.23'
1
3.23 ac.
2
3.41 ac.
3
3.51 ac.
4
3.27 ac.
5
3.35 ac.
6
3.00 ac.
5
3.00 ac.
4
3.02 ac.
2
3.02 ac.
1
3.03 ac.
3
3.01 ac.
1
8.73 ac.
2
4.13 ac.
1
3.98 ac.
2
5.54 ac.
100 Year Flood Plain Boundary
Septic
N 89°48'56" W 744.44'
West Pioneers Boulevard
Lake Estates
CONESTOGA HEIGHTS
PRELIMINARY PLAT
Chd.N 59°09'55" W
563.56'
Δ = 61°20'02"
R = 552.46'
L = 591.40'
N 28°29'55" W
100.40' (M)
Δ = 14°46'13"
R = 402.46'
L = 103.75'
Chd.N 35°53'01" W
9155
None
W Burnham


WATER
SHARPSBURG SILTY CLAY LOAM, 2 TO 5 PERCENT SLOPES
PAWNEE CLAY LOAM, 7 TO 11 PERCENT SLOPES, ERODED
WYMORE SILTY CLAY LOAM, 3 TO 7 PERCENT SLOPES, ERODED
89TH
DEADWOOD
WYMORE SILTY CLAY, 5 TO 9 PERCENT SLOPES, SEVERELY ERODED
PAWNEE CLAY LOAM, 2 TO 7 PERCENT SLOPES, ERODED
WYMORE SILTY CLAY, 5 TO 9 PERCENT SLOPES, SEVERELY ERODED
BURCHARD-NODAWAY COMPLEX, 2 TO 30 PERCENT SLOPES
SHELBY CLAY LOAM, 6 TO 11 PERCENT SLOPES
MORRILL CLAY LOAM, 6 TO 11 PERCENT SLOPES, ERODED
03-09-05
MORRILL CLAY LOAM, 6 TO 11 PERCENT SLOPES
MAYBERRY SILTY CLAY LOAM, 2 TO 7 PERCENT SLOPES, ERODED
MORRILL CLAY LOAM, 6 TO 11 PERCENT SLOPES
WYMORE SILTY CLAY LOAM, 3 TO 7 PERCENT SLOPES, ERODED
PIONEERS
SHELBY CLAY LOAM, 6 TO 11 PERCENT SLOPES
COLO-NODAWAY SILTY CLAY LOAMS, 0 TO 2 PERCENT SLOPES
JUDSON SILT LOAM, 2 TO 6 PERCENT SLOPES
PAWNEE CLAY LOAM, 2 TO 7 PERCENT SLOPES, ERODED
10-09-05
MORRILL CLAY LOAM, 6 TO 11 PERCENT SLOPES, ERODED
ARENTS, EARTHEN DAM