Lincoln-Lancaster County Health Department
Environmental Public Health Division
3140 N Street • Lincoln NE 68510-1514
Phone: 402-441-8643

A

Permit Number H5000783

Onsite Wastewater Treatment System
Request for Site Clearance and Permit

Include Form B and C. Submit correct fee with this Application

3 acres or more required for: ☑ Septic System ☐ Lagoon ☐ Other (Refer to Form C)

The undersigned hereby requests site clearance and permit to construct a Wastewater Treatment System in conformance with appropriate regulations.

PLEASE PRINT OR TYPE

A. Onsite System Location

Address _____ City DENTON, NE Zip 68339
(no rural route)

Legal Description LOT 4, BLOCK 2 CONESTOGA LAKE ESTATES
1/4 1/4 Section Township Range Subdivison Addition Block Lot

PID _____

B. Owner

Name BECKER CONSTRUCTION, INC. Signature Brad Becker
Address 2549 COUNTY ROAD B City/State/Zip VALPARAISO, NE 68065
Home Phone _____ Work Phone 402-416-3799

C. Certified Installer

JUSTYN PETERSON

Name: ERNST WELL DRILLING Signature _____
Address 322 238TH ROAD City/State/Zip MILFORD, NE 68405
Work Phone 402-641-6174

D. Engineer

☐ **Check and complete if engineer designed system** P.E. License Number: _____

Designer Name _____ Firm _____ Work Phone _____

E. This system will serve a

☑ Residential Dwelling Number of Bedrooms ~~4~~ 5 as per Builder Whirlpool Bathtub? ☐ Yes ☐ No Total Acres 3.5
Garbage Grinder? ☑ 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. 02-30

1. Health Department
Site visits _____
Comments _____
Date rec'd 7/22/13
Date frwd 7/22/13
ACTION ☑ Approved ☐ Disapproved
Signature _____

2. Supt. Bldg. Insp. or Village Clerk
Comments _____
Date rec'd _____
Date frwd _____
ACTION ☐ Approved ☐ Disapproved
Signature _____

3. City or County Engineer
Comments _____
Date rec'd _____
Date frwd _____
ACTION ☐ Approved ☐ Disapproved
Signature _____

Installation Final Written Approval
By _____
Date _____

Business Office Use Only
Date Received 7-22 Amount Paid 355.00
Received By BM Cash/Check No. 6484

White - Health Department Yellow - Engineer Pink - Building & Safety

Form A Updated: 1/13

SOIL ABSORPTION TEST DATA REPORT

Location: Precinct _____ Section _____
Township _____ Range _____
1/4 Section _____

Owner: Baker Construction
Address: Conestoga Lake Estates
East Lot

Property Dimensions: _____ acres

Soil Type: Silty Clay ____ Silty Clay Loam ____ Sandy Loam ____ Silty Loam ____ Clay Loam X Sandy Clay ____

Dates of Tests: 7-6-13 to 7-7-13 **Weather:** Precip. Trace Temp. 80's

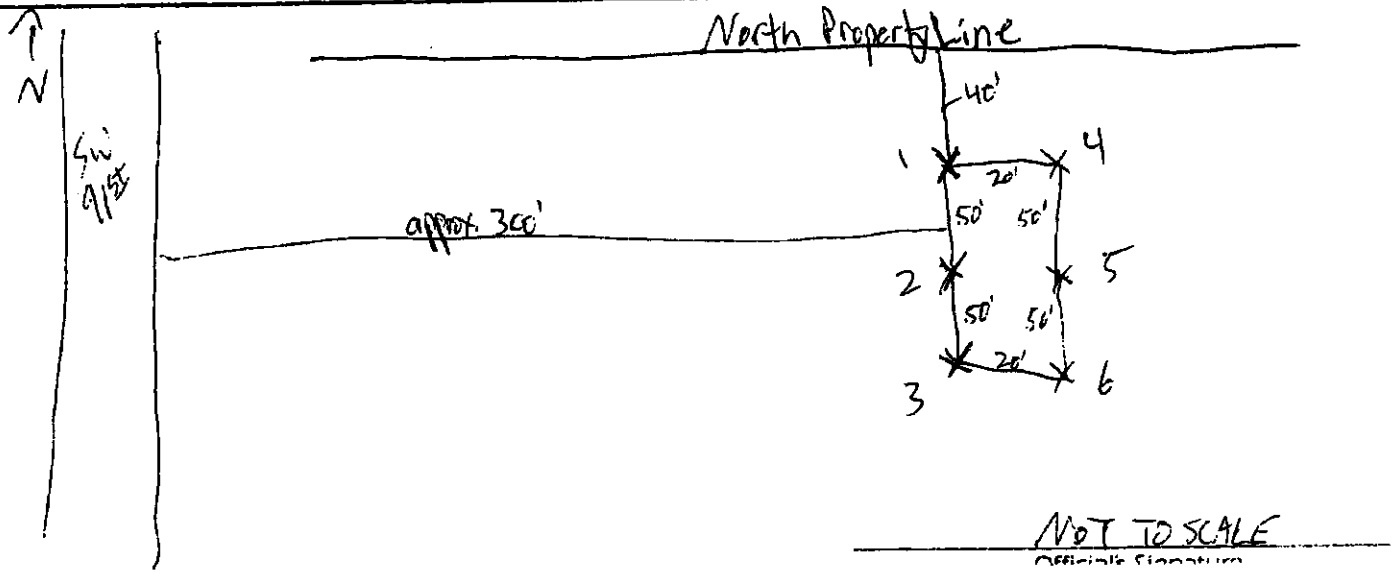
a.	b.	c.	d.	e.	f.	g.	h.	i.	j.	k	l.	m.
		Pre-Saturation Period				Percolation Readings						Results
		Start		End		Start		End				Drop
	Hole	Date	Time	Date	Time	Date	Time	Water	Time	Water	Elapsed	Level
Hole	Depth	(Mo.	(Hr.	(Mo.	(Hr.	(Mo.	(Hr.	Level	(Hr.	Level	Time	Prior
No.	(in.)	Day)	Min.)	Day)	Min.)	Day)	Min.)	(in.)	Min.)	(in.)	(Min.)	to (in.)
1	36	7-6	1:00pm	7-6	5:00pm	7-7	11:00am	6	11:30am	5¼	30	¾
2	36	7-6	1:00pm	7-6	5:00pm	7-7	11:00am	6	11:30am	5¼	30	¾
3	36	7-6	1:00pm	7-6	5:00pm	7-7	11:00am	6	11:30am	5	30	1
4	36	7-6	1:00pm	7-6	5:00pm	7-7	11:05am	6	11:35am	5¼	30	¾
5	36	7-6	1:00pm	7-6	5:00pm	7-7	11:05am	6	11:35am	5¼	30	¾
6	36	7-6	1:00pm	7-6	5:00pm	7-7	11:05am	6	11:35am	5	30	1

Sum of Water Level Drops (in.) [Column m]: 5
Average of Water Level Drops (in.) [Column m]: .83
~~Inches per Minute:~~ _____
36.14 MPI

PERSON CONDUCTING TEST:
Name: Justyn Peterson
Address: 322-236th Road
Milford, NE 68405
Phone: 402-641-6174
Signature: [signature]

Square Feet of Lateral per Bedroom: 275

SKETCH SHOWING HOLE LOCATION:



NOT TO SCALE
Official's Signature

SOIL ABSORPTION TEST DATA REPORT

Location: Precinct _____ Section _____
Township _____ Range _____
1/4 Section _____

Owner: Belker Construction
Address: Conestoga Lake Estates
East Lot

Property Dimensions: _____ acres

Soil Type: Silty Clay ____ Silty Clay Loam ____ Sandy Loam ____ Silty Loam ____ Clay Loam X Sandy Clay ____

Dates of Tests: 7-6-13 to 7-7-13 **Weather:** Precip. Trace Temp 80's

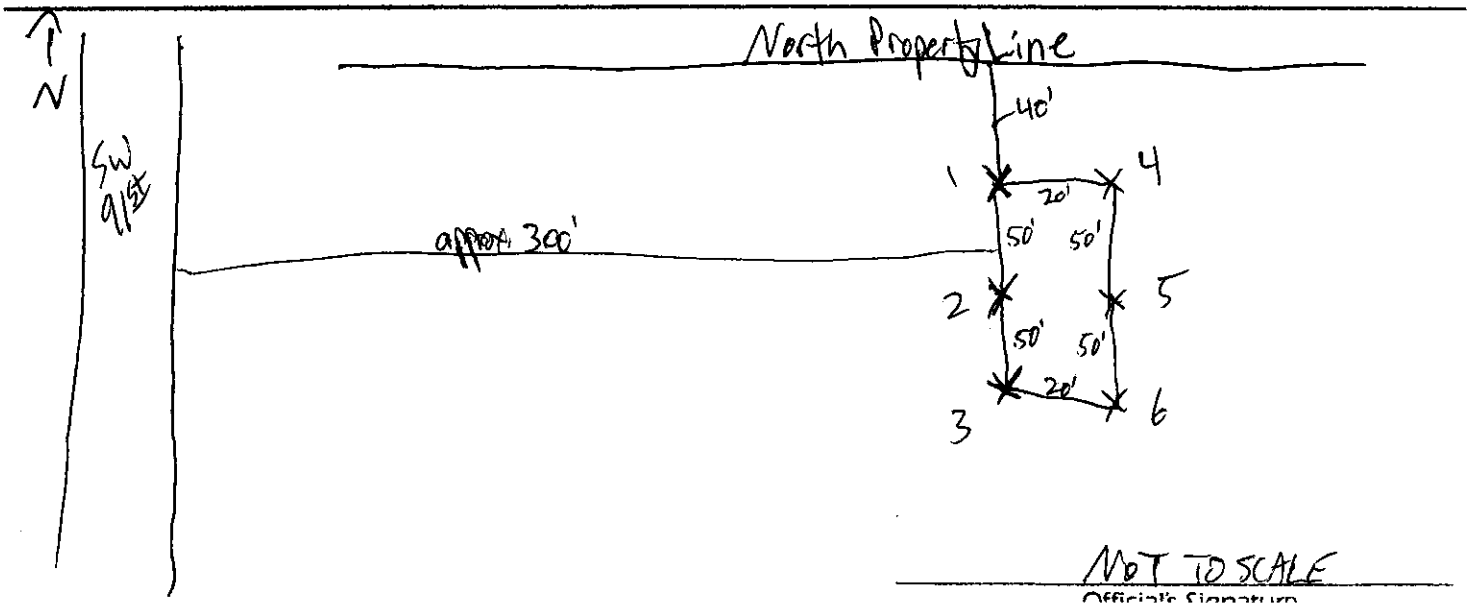
a.	b.	c.	d.	e.	f.	g.	h.	i.	j.	k.	l.	m.
		Pre-Saturation Period				Percolation Readings					Results	
		Start		End		Start			End			Water
	Hole	Date	Time	Date	Time	Date	Time	Water	Time	Water	Elapsed	Level
Hole	Depth	(Mo.	(Hr.	(Mo.	(Hr.	(Mo.	(Hr.	Level	(Hr.	Level	Time	Drop
No.	(in.)	Day)	Min.)	Day)	Min.)	Day)	Min.)	(in.)	Min.)	(in.)	(Min.)	(in.)
1	36	7-6	1:00 pm	7-6	5:00 pm	7-7	11:00 am	6	11:30 am	5 1/4	30	3/4
2	36	7-6	1:00 pm	7-6	5:00 pm	7-7	11:00 am	6	11:30 am	5 1/4	30	3/4
3	36	7-6	1:00 pm	7-6	5:00 pm	7-7	11:00 am	6	11:30 am	5	30	1
4	36	7-6	1:00 pm	7-6	5:00 pm	7-7	11:05 am	6	11:35 am	5 1/4	30	3/4
5	36	7-6	1:00 pm	7-6	5:00 pm	7-7	11:05 am	6	11:35 am	5 1/4	30	3/4
6	36	7-6	1:00 pm	7-6	5:00 pm	7-7	11:05 am	6	11:35 am	5	30	1

Sum of Water Level Drops (in.) [Column m]: 5
Average of Water Level Drops (in.) [Column m]: .83
~~Inches per Minute:~~ 36.14 MPI

PERSON CONDUCTING TEST:
Name: Justyn Peterson
Address: 322-236th Road
Milford, NE 68405
Phone: 402-641-6174
Signature: [signature]

Square Feet of Lateral per Bedroom: 275

SKETCH SHOWING HOLE LOCATION:



NOT TO SCALE
Official's Signature

Septic App.2.jpg

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

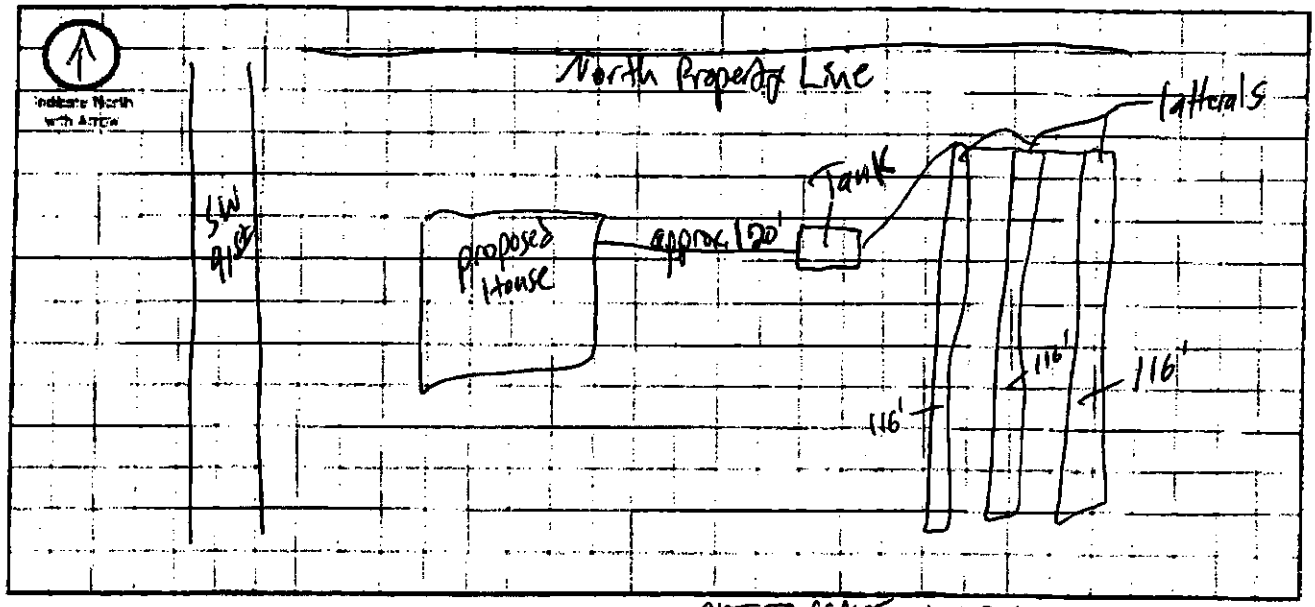
C

Permit Number:

Onsite Wastewater Treatment System

Preliminary Plan Specifications

Draw a plot plan showing onsite system sewer lines, drop or distribution boxes, tank, drainfields, percolation test holes, well, residence, direction of groundwater flow, property lines, and reserve area for replacement onsite system



NOT TO SCALE Approximate Scale: ____ ft. = ____ grid line/s

A. Onsite System Location

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

B. Proposed Septic Tank/s

Septic Tank Cap. 1500 gals Tank Material: ☐ Concrete ☒ Plastic ☐ Other _____ ☐ Lagoon Max seepage 1" per day

C. Reserve Area for Replacement Onsite System

☒ Drainfield Absorption Area (percolation test required) ☐ Lagoon

D. Drainfield Absorption System

Percolation Rate 30/14 min/inch = mpi No. of Bedrooms 5 Soil Type Clay Loam Land Slope 1 %

☒ Trench ☐ Bed ☐ Non-Standard (engineer designed and NDEQ approved) Total Square feet of drainfield 1375 sq.ft.

Total length of laterals 116' Type of distribution: ☐ Perforated pipe ☒ Half-Round ☐ Chamber ☐ Other

No. of absorption trenches 3 Width 36" No. of drop boxes 0 Distribution Box 1

No. of absorption beds _____ Width _____ No. of Distribution lines per bed _____

E. 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 Septic

Nate C. Hartman

From: Mike J. Petersen
Sent: Friday, July 19, 2013 3:53 PM
To: Nate C. Hartman
Subject: RE: Conestoga Lake Est.
Attachments: Mike Petersen.vcf

Nate- Lot 4 Block 2 Conestoga Estates is a legal buildable lot not in the flood plain. -Mp



Mike Petersen
Building & Safety Dept.
Plans Examiner II

(402) 441-6445 Work
mjpetersen@lincoln.ne.gov

555 S. 10th Street Room 203
Lincoln, NE 68508

From: Nate C. Hartman
Sent: Friday, July 19, 2013 10:41 AM
To: Mike J. Petersen
Subject: Conestoga Lake Est.

Mike,

Please review Conestoga Lake Estates Lot 4, Block 2. A permit application was submitted this morning for construction of an onsite wastewater system. An approval or denial of the permit application would be appreciated.

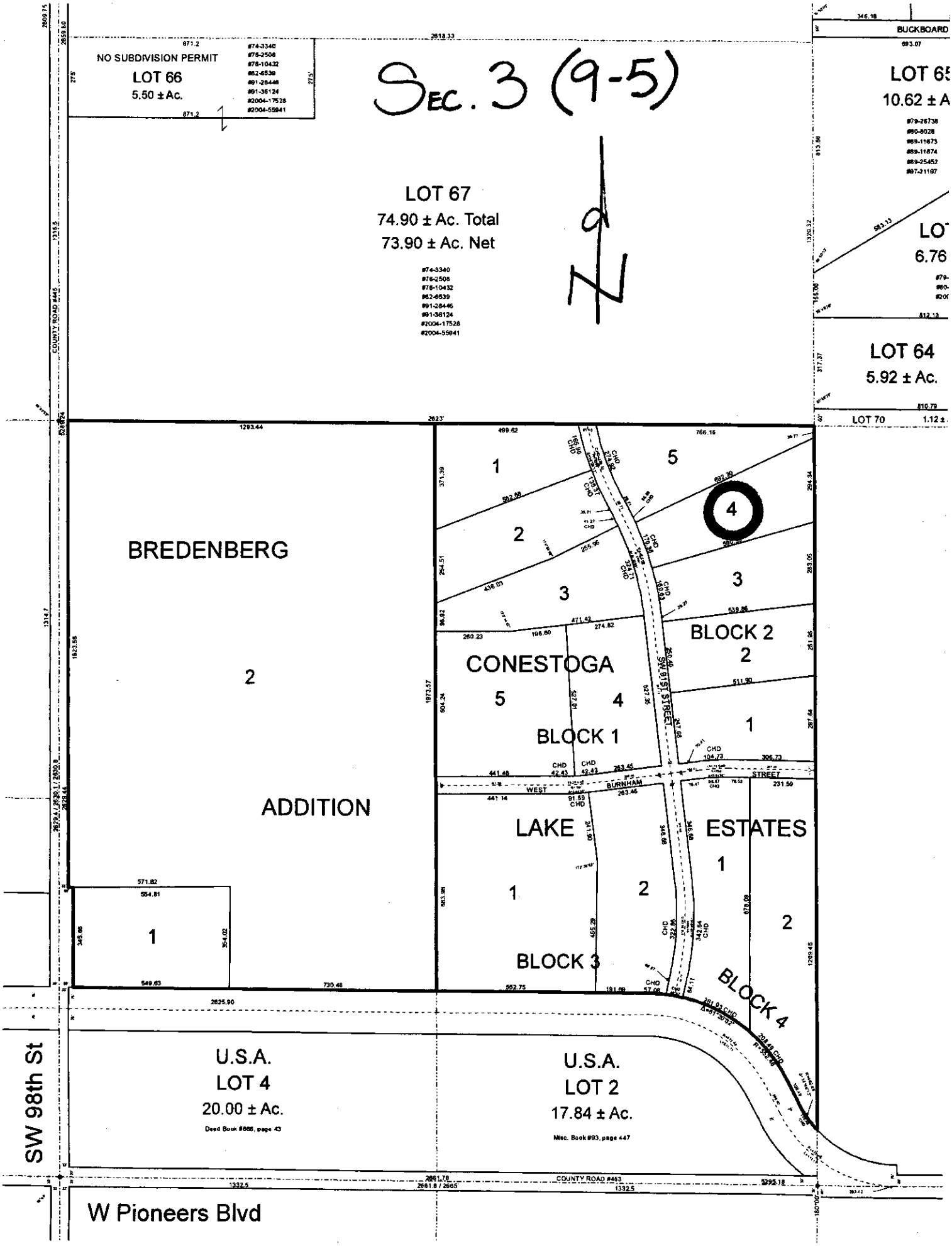
Nate Hartman, REHS
NPDES Program Specialist
Water Quality Section
Lincoln-Lancaster County Health Department
(402) 441-8643

Nate C. Hartman

From: Ken D. Schroeder
Sent: Monday, July 22, 2013 9:48 AM
To: Nate C. Hartman
Subject: sewage disposal system (Conestoga Lake Estates) & (Whitetail Ridge 1st Add.)
Attachments: part of sec 19-8-7.pdf; part of sec 3-9-5.pdf

Nate,
Lancaster County Engineering Department indicates approval for a sewage disposal system for lot 4, Block 2, "CONESTOGA LAKE ESTATES" located in the SW 1/4 of Section 3, T9N, R5E of the 6th P.M., Lancaster County, Nebraska. *(see attached part of sec.3-9-5)*
And, approval for sewage disposal system for Lot 2, "WHITETAIL RIDGE 1ST ADDITION" located in the NW 1/4 of Section 19, T8N, R7E of the 6th P.M., Lancaster County, Nebraska. *(see attached part of sec. 19-8-7)*
As always, subject to confirmation of and compliance with any floodplain elevation requirements prior to construction.
Ken

Kenneth D. Schroeder, RLS
Lancaster County Surveyor
444 Cherrycreek Road, Bldg. "C"
Lincoln, Nebraska 68528
kschroeder@lancaster.ne.gov
Phone (402) 441-7681
Fax (402) 441-8692


SEC. 3 (9-5)
NO SUBDIVISION PERMIT
LOT 66
5.50 ± Ac.
#74-3340
#75-2508
#76-10432
#82-6539
#91-28446
#91-36124
#2004-17528
#2004-55941
LOT 67
74.90 ± Ac. Total
73.90 ± Ac. Net
#74-3340
#76-2508
#76-10432
#82-6539
#91-28446
#91-36124
#2004-17528
#2004-55941
BUCKBOARD
LOT 65
10.62 ± A
#79-26738
#80-6028
#89-11673
#89-11674
#89-25452
#97-31197
LOT 64
5.92 ± Ac.
LOT 70
1.12 ±
BREDENBERG
ADDITION
2
CONESTOGA
BLOCK 1
BLOCK 2
LAKE
ESTATES
BLOCK 3
BLOCK 4
SW 91st STREET
BURNHAM
WEST
STREET
U.S.A.
LOT 4
20.00 ± Ac.
Deed Book #665, page 43
U.S.A.
LOT 2
17.84 ± Ac.
Misc. Book #93, page 447
SW 98th St
COUNTY ROAD #445
COUNTY ROAD #463
W Pioneers Blvd

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

ON-SITE WASTE WATER SYSTEM
CONSTRUCTION - INSTALLATION PERMIT
No. HS000783

System Type: Standard

Situs: No Site Address Specified

Issued: 7/23/2013

Expires: 7/23/2014

Description: CONESTOGA LAKE ESTATES, BLOCK 2, Lot 4

Owner: BECKER CONSTRUCTION INC
2549 COUNTY ROAD B
VALPARISO, NE 68065

Judith A Halstead
Judith A. Halstead, MS, Health Director

Dear Applicant:

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.

Judith A Halstead
Judith A. Halstead, MS
Health Director

BECKER CONSTRUCTION
2549 COUNTY ROAD B
VALPARAISO, NE 68065

Lincoln-Lancaster County Health Department
Environmental Public Health Division
3140 N Street • Lincoln NE 68510-1514
Phone: 402-441-8643

SCANNED

A

Permit Number H5000783

Onsite Wastewater Treatment System
Request for Site Clearance and Permit

Include Form B and C. Submit correct fee with this Application

3 acres or more required for: ☑ Septic System ☐ Lagoon ☐ Other (Refer to Form C)

The undersigned hereby requests site clearance and permit to construct a Wastewater Treatment System in conformance with appropriate regulations.

PLEASE PRINT OR TYPE

A. Onsite System Location

Address _____ City DENTON, NE Zip 68339
(no rural route)

Legal Description LOT 4, BLOCK 2 CONESTOGA LAKE ESTATES
1/4 1/4 Section Township Range Subdivison Addition Block Lot

PID _____

B. Owner

Name BECKER CONSTRUCTION, INC. Signature Brad Becker
Address 2549 COUNTY ROAD B City/State/Zip VALPARAISO, NE 68065
Home Phone _____ Work Phone 402-416-3799

C. Certified Installer

Name: ERNST WELL DRILLING Signature JUSTYN PETERSON
Address 322 238TH ROAD City/State/Zip MILFORD, NE 68405
Work Phone 402-641-6174

D. Engineer

☐ **Check and complete if engineer designed system** P.E. License Number: _____

Designer Name _____ Firm _____ Work Phone _____

E. This system will serve a

Built as 3 bdr. if basement is finished
to be expanded

☑ Residential Dwelling Number of Bedrooms 3 5 Whirlpool Bathtub? ☐ Yes ☐ No Total Acres 3.5
Garbage Grinder? ☑ 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. 02-30

1. Health Department
Site visits _____
Comments _____
Date rec'd 7/22/13
Date frwd 7/22/13
ACTION ☑ Approved ☐ Disapproved
Signature _____

2. Supt. Bldg. Insp. or Village Clerk
Comments _____
Date rec'd _____
Date frwd _____
ACTION ☐ Approved ☐ Disapproved
Signature _____

3. City or County Engineer
Comments _____
Date rec'd _____
Date frwd _____
ACTION ☐ Approved ☐ Disapproved
Signature _____

Installation Final Written Approval
By Craig Arnold
Date 11/18/13

Business Office Use Only
Date Received 7-22 Amount Paid 355.00
Received By BH Cash/Check No. 6484

White - Health Department Yellow - Engineer Pink - Building & Safety

Form A Updated: 1/13

SCANNED

SOIL ABSORPTION TEST DATA REPORT

Location: Precinct _____ Section _____
Township _____ Range _____
1/4 Section _____

Owner: Becker Construction
Address: Conestoga Lake Estates
East Lot

Property Dimensions: _____ acres

Soil Type: Silty Clay ____ Silty Clay Loam ____ Sandy Loam ____ Silty Loam ____ Clay Loam X Sandy Clay ____

Dates of Tests: 7-6-13 to 7-7-13 **Weather:** Precip. Trace Temp. 80's

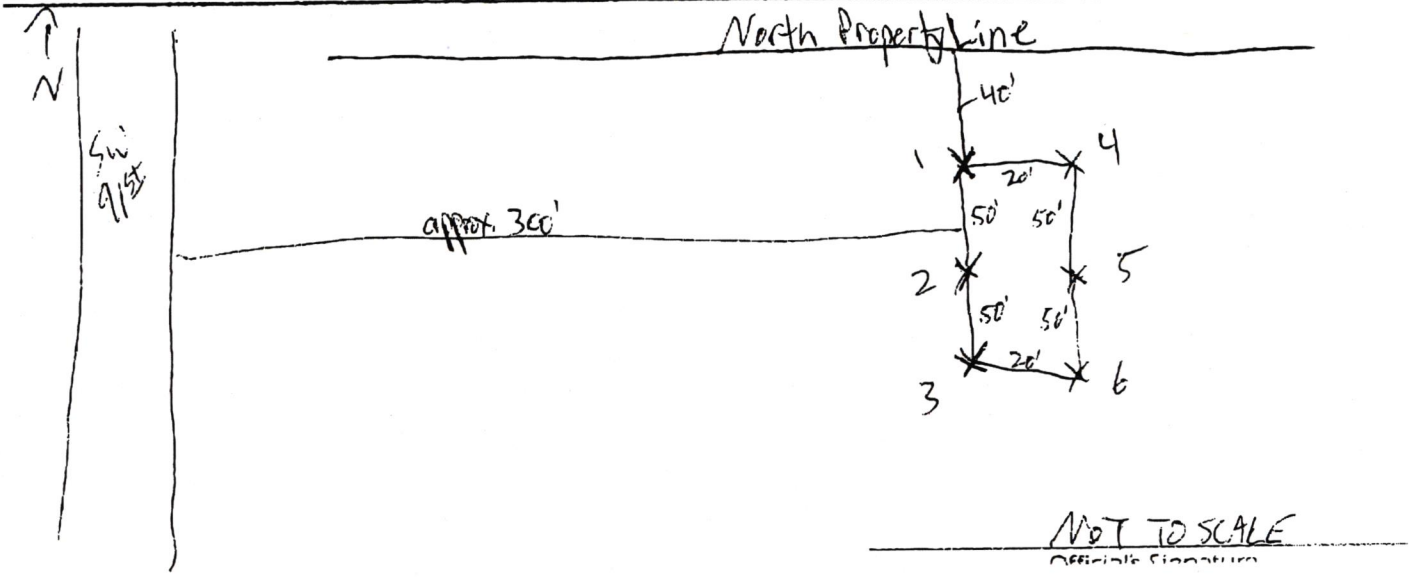
a.	b.	c.	d.	e.	f.	g.	h.	i.	j.	k	l.	m.
		Pre-Saturation Period				Percolation Readings					Results	
		Start		End		Start			End			Water
	Hole	Date	Time	Date	Time	Date	Time	Water	Time	Water	Elapsed	Level
Hole	Depth	(Mo.	(Hr.	(Mo.	(Hr.	(Mo.	(Hr.	Level	(Hr.	Level	Time	Drop
No.	(in.)	Day)	Min.)	Day)	Min.)	Day)	Min.)	(in.)	Min.)	(in.)	(Min.)	(in.)
1	36	7-6	1:00 pm	7-6	5:00 pm	7-7	11:00 am	6	11:30 am	5 1/4	30	3/4
2	36	7-6	1:00 pm	7-6	5:00 pm	7-7	11:00 am	6	11:30 am	5 1/4	30	3/4
3	36	7-6	1:00 pm	7-6	5:00 pm	7-7	11:00 am	6	11:30 am	5	30	1
4	36	7-6	1:00 pm	7-6	5:00 pm	7-7	11:05 am	6	11:35 am	5 1/4	30	3/4
5	36	7-6	1:00 pm	7-6	5:00 pm	7-7	11:05 am	6	11:35 am	5 1/4	30	3/4
6	36	7-6	1:00 pm	7-6	5:00 pm	7-7	11:05 am	6	11:35 am	5	30	1

Sum of Water Level Drops (in.) [Column m]: 5
Average of Water Level Drops (in.) [Column m]: .83
~~Inches per Minute:~~
36.14 MPI

PERSON CONDUCTING TEST:
Name: Justyn Peterson
Address: 322-238th Road
Milford, NE 68405
Phone: 402-641-6174
Signature: [signature]

Square Feet of Lateral per Bedroom: 275

SKETCH SHOWING HOLE LOCATION:



NOT TO SCALE

Official's Signature

SCANNED

Septic App.2.jpg

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

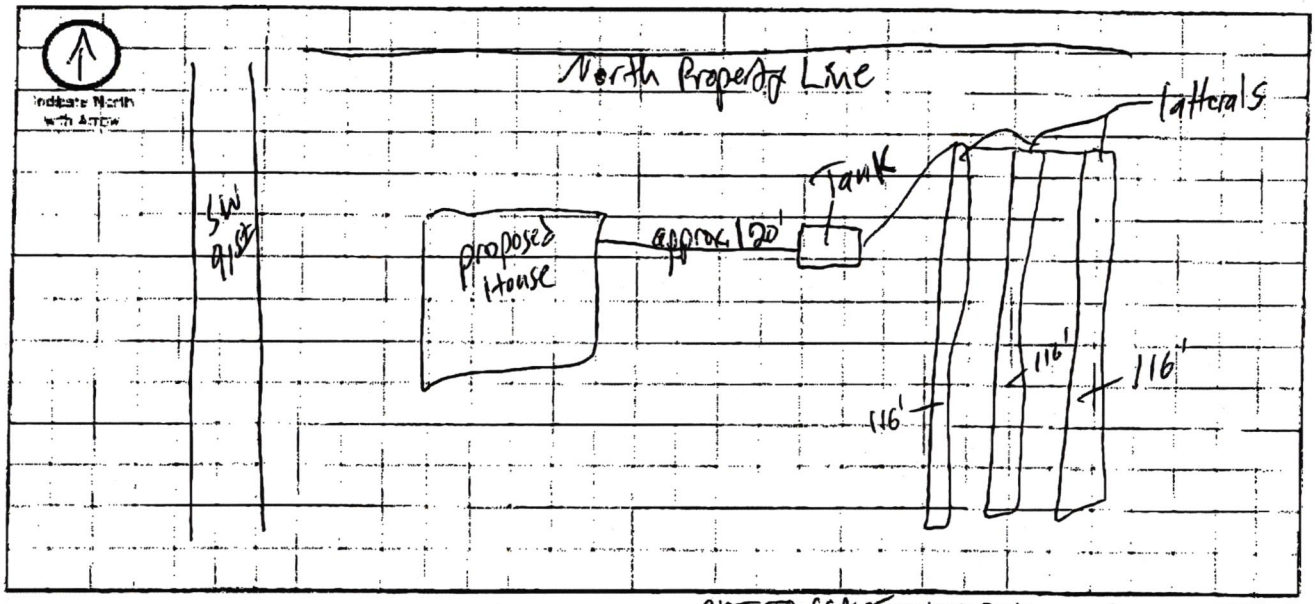
C

Permit Number:

Onsite Wastewater Treatment System

Preliminary Plan Specifications

Draw a plot plan showing onsite system sewer lines, drop of distribution boxes, tank, drainfields, percolation test holes, well, residence, direction of groundwater flow, property lines, and reserve area for replacement onsite system



NOT TO SCALE Approximate Scale: ____ ft. = ____ grid line/s

A. Onsite System Location

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

B. Proposed Septic Tank/s

Septic Tank Cap. 1500 gals Tank Material: ☐ Concrete ☒ Plastic ☐ Other _____ ☐ Lagoon (Min seepage 1/8" per day)

C. Reserve Area for Replacement Onsite System

☒ Drainfield Absorption Area (percolation test required) ☐ Lagoon

D. Drainfield Absorption System

Percolation Rate 36/4 (min/inch = mpi) No. of Bedrooms 5 Soil Type Clay Loam Land Slope 1 %

☒ Trench ☐ Bed ☐ Non-Standard (engineer designed and NDEQ approved) Total Square feet of drainfield 1375 sq.ft.

Total length of laterals 116' Type of distribution: ☐ Perforated pipe ☒ Half-Round ☐ Chamber ☐ Other

No. of absorption trenches 3 Width 36" No. of drop boxes 0 Distribution Box 1

No. of absorption beds _____ Width _____ No of Distribution lines per bed _____

E. 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

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 11/15/13

System Location (Indicate correct number and street)

Address 3722 SW 91st (no rural route) City _____ NE, Zip _____

A. Building Sewer

1. Material: PVC
   Diameter: 4 in.
2. Distance above basement floor: _____ in.
   or distance below basement floor: 12 in.
3. Distance between dwelling and septic tank 100 ft.
4. Number of clean-outs: 2
5. Distances to: well or suction line 20 ft.
   stream NA ft.
   pressure line 20 ft.
   property line 60'+ ft.

B. Septic Tank

1. Material: Plastic
   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 2 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 100+ ft.
   Stream NA ft.
   Pressure line 100+ ft.
   Property line 65+ ft.

C. Distribution Box — Did not use

1. Material: _____
   Number available outlets: _____
2. Factory built: ☐ Yes ☐ No
3. Distance from septic tank: _____ ft.

D. Absorption Field

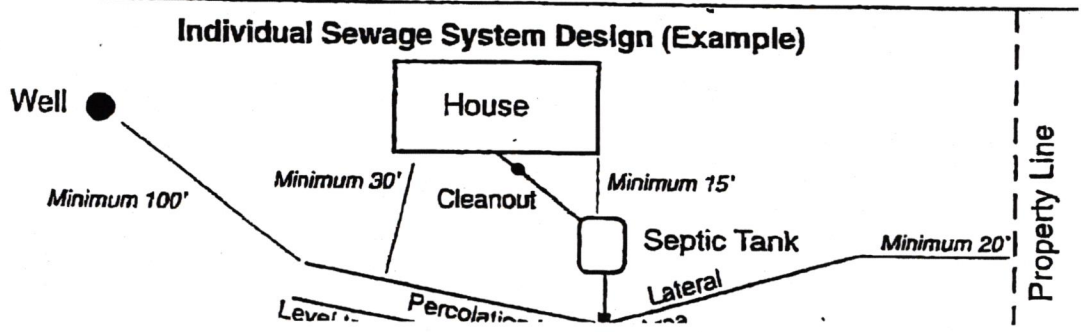
(Provide as-built drawings on back of this form)

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: 116 ft. 116 ft.
   _____ ft. _____ ft., _____ ft.
3. Trench dimensions: Width 3 ft.
   Slope 0 in/100 ft.
   Average depth 30 in
4. Filter material: Native Clay
   Depth of material 30 in.
5. Distances to: Well or suction line 125+ ft.
   Stream NA ft.
   Pressure line 125+ ft.
   Property line 65+ ft.

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

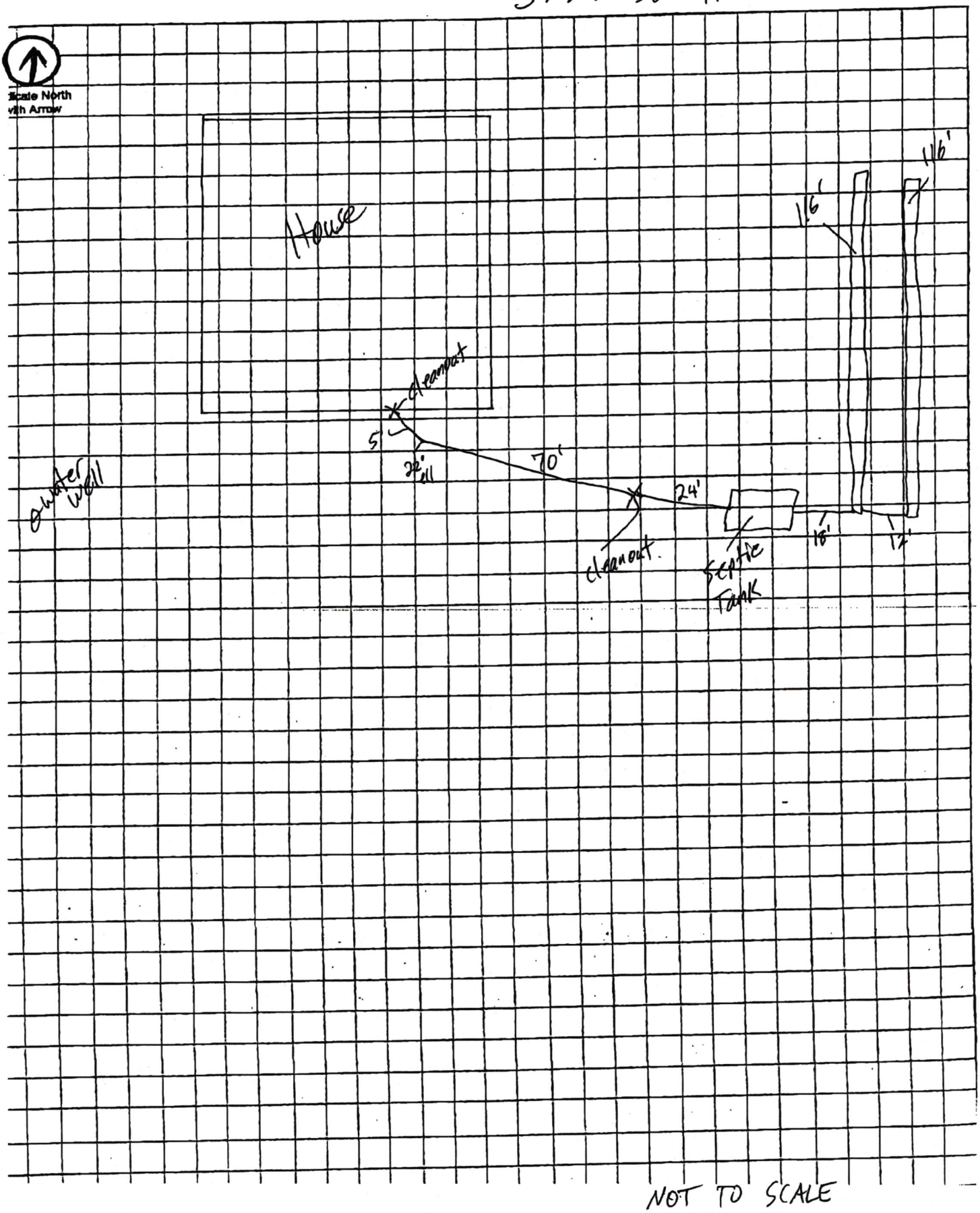
Indicate North with Arrow

Individual Sewage System Design (Example)

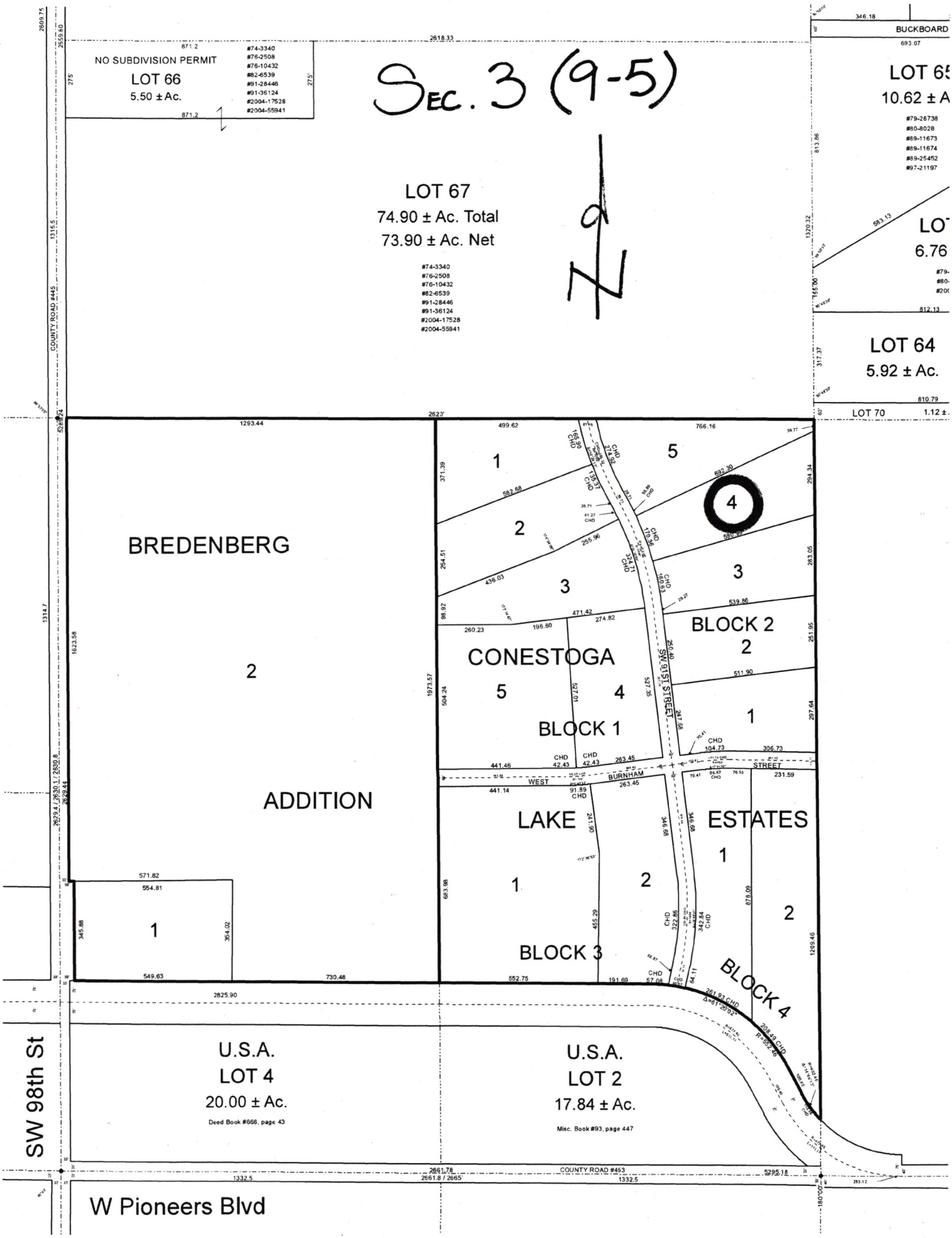


As Built Drawing

3722 SW 91st



SCANNED


SEC. 3 (9-5)
NO SUBDIVISION PERMIT
LOT 66
5.50 ± Ac.
#74-3340
#76-2508
#76-10432
#82-6539
#91-28446
#91-36124
#2004-17528
#2004-55941
LOT 67
74.90 ± Ac. Total
73.90 ± Ac. Net
#74-3340
#76-2508
#76-10432
#82-6539
#91-28446
#91-36124
#2004-17528
#2004-55941
BUCKBOARD
LOT 65
10.62 ± A
#79-26738
#80-8028
#89-11673
#89-11674
#89-25452
#97-21197
LOT 64
5.92 ± Ac.
LOT 70
1.12 ±
COUNTY ROAD #445
BREDENBERG
ADDITION
CONESTOGA
BLOCK 1
BLOCK 2
LAKE
ESTATES
BLOCK 3
BLOCK 4
SW 91ST STREET
BURNHAM
WEST
STREET
U.S.A.
LOT 4
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