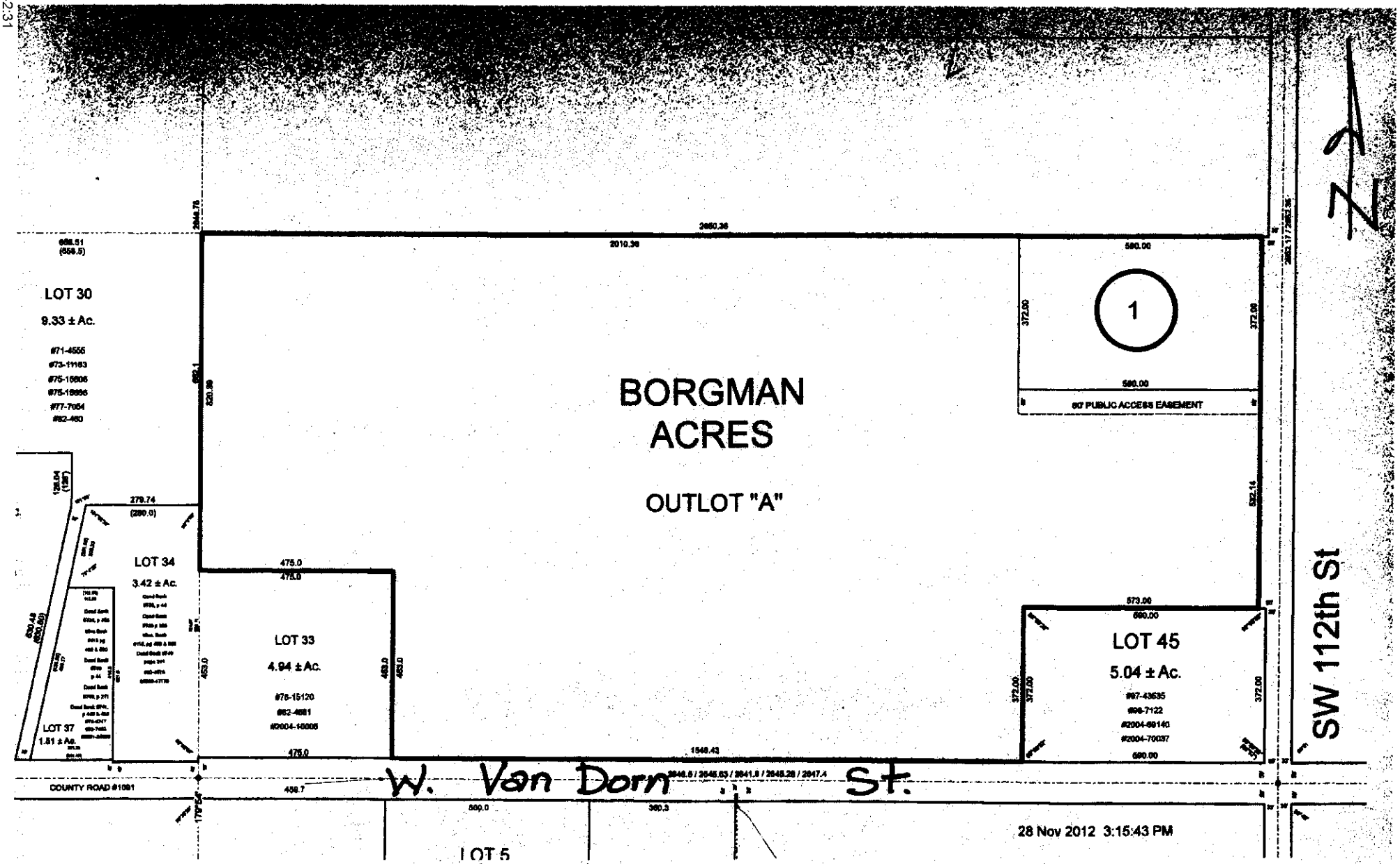
12-18-2012 10:42:31

LLCHD HS000708



Sec. 32 (10-5)

Nate C. Hartman

From: Mike J. Petersen
Sent: Tuesday, December 11, 2012 2:38 PM
To: Nate C. Hartman
Subject: 2555 SW 112th St
Attachments: Mike Petersen.vcf

Nate- 2555 SW 112th Street (lot 1 Borgman Acres) is a legal buildable lot not in the flood plain. I can only assume that the legal used to be lot 35 SE 32-10-5 (I am pretty confident)



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

Nate C. Hartman

From: Ken D. Schroeder
Sent: Tuesday, December 11, 2012 2:38 PM
To: Nate C. Hartman
Subject: sewage disposal system
Attachments: part of sec 27-9-8.pdf; part of sec 32-10-5.pdf

Nate,
Lancaster County Engineering Department indicates approval for a sewage disposal system for lot 1, Fox Run 1st Addition" located in the NE 1/4 of Section 27, T9N, R8E of the 6th P.M., Lancaster County, Nebraska. *(see attached part of sec 27-9-8)*
And for a sewage disposal system for lot 1, "Borgman Acres" located in the SE 1/4 of Section 32, T10N, R5E of the 6th P.M., Lancaster County, Nebraska. *(see attached part of sec 32-10-5)*
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

LLCHD HS000708

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

A

Permit Number HS000708

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 2555 SW 112th ST. (no rural route) City DENTON, NE Zip 68339

Legal Description SE 32 10 5 BORGMAN Acres 1

1/4 | 1/4 | Section | Township | Range | Subdivison | Addition | Block | Lot

Geographical Location (if known): Lat/Long: _____ PID _____

B. Owner

Name LUCAS BORGMAN Signature Lucas Borgman

Address _____ City/State/Zip PLEASANT DALE 68423

Home Phone _____ Work Phone 402-560-7901

C. Certified Installer

Name: Melvin Gagner Signature Melvin Gagner

Address 4610 "W" CLAIRE AVE City/State/Zip LINCOLN NE. 68523

Work Phone _____

D. Engineer

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

Designer Name _____ Firm _____ Work Phone _____

E. This system will serve a

Grider ☒

☒ Residential Dwelling Number of Bedrooms 3 Is there a Whirlpool Bathtub? ☒ Yes ☐ No Total Acres 5

☐ Commercial Establishment/Other Facility Specify _____ Design flow in gallons per day 400

Type of Wastewater ☐ Domestic ☐ Non-Domestic Well Permit Applied for ☐ Yes ☐ No ☐ Not Applicable

DO NOT WRITE BELOW THIS LINE

Approval Process ☐ Municipal Code 24.38 ☐ County Resolution No. 02-30

1. Health Department
Site visits _____
Date rec'd _____ Date frwd _____
ACTION ☒ Approved ☐ Disapproved
Signature _____

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

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

Installation Final Written Approval
By _____
Date _____

Business Office Use Only
Date Received 12-11-12 Amount Paid 355.00
Received By BA Cash/Check No. 306

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

Melvin called about fast perc rates in three soil

12-18-2012 10:16:5

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 2555 SW 112th ST. (no rural route) City DENTON NE, Zip 68339

Owner LUCAS BORGMAN Addresss 2391 MAIN ST PLEASANTDALE 68423

Soil Type (SCS): CLAY loam Percolation Rate: 60 min./inch

Date of Tests 12-1-2012 to 12-2-2012 Weather: Precipitation 0 Temperature 50

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	32	12-1	1:15	12-2	10:50	12-2	11:20	6	12-2	11:50	30	1/2	60
2	30	"	"	"	"	"	"	"	"	"	"	2 1/2	12
3	32	"	"	"	"	"	"	"	"	"	"	1 1/2	20
4	31	"	"	"	"	"	"	"	"	"	"	1 1/2	20
5	32	"	"	"	"	"	"	"	"	"	"	2	15
6	32	"	"	"	"	"	"	"	"	"	"	3/4	40

Person Conducting Percolation Tests

Name: Mike Gagner
Phone: 402-432-5698
Address 4810 "W" CLAIRE AVE. C126B

Sum of Percolation Rates: 167
Average of Rates: 27.83
Rate Used for Calculation: 60

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks _____

Signature of Reviewing Official _____ Date _____

LLCHD HS000708

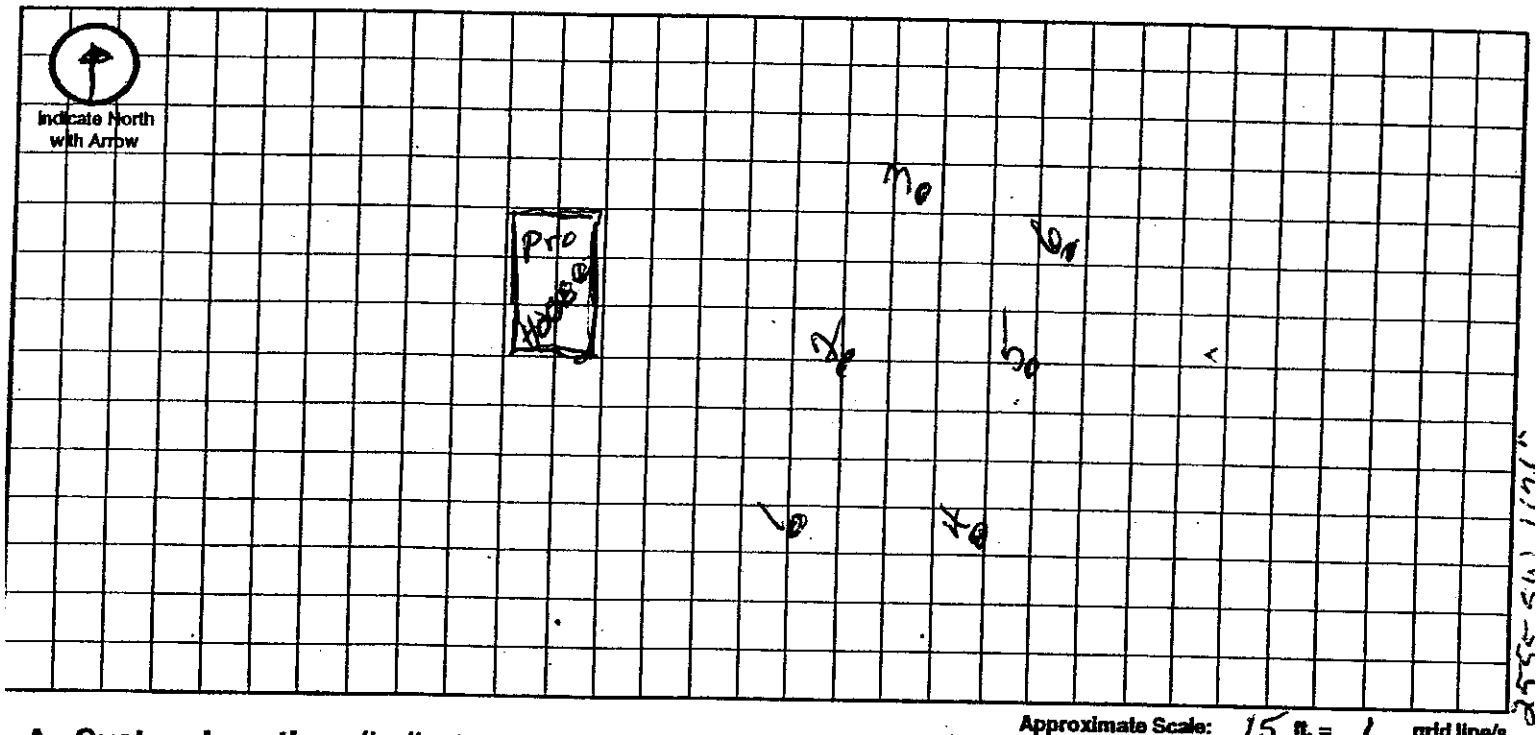
Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

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) 2555 SW 112TH ST. 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: CLAY LOAM Land Slope: _____ %

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: INFILTRATORS

Capacity of Septic Tank 1500 gals Number of Absorption Beds: _____ Number of Distribution Laterals per Bed _____

Total Length of Laterals 262 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 _____ Date _____

Installer Melvin Wagner Date 9 Dec. 2012

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. HS000708

System Type: STANDARD

Situs: 2555 SW 112th

Legal Description: T10N-R05E-S32-Lot 44

Owner:

Permit Fee:	$355.00
Variance Fee:	$0.00
Extension Fee:	$0.00
Total Fees:	$355.00

Issued:	12/11/2012
Expires:	12/11/2013

Judith A Halstead

Judith A. Halstead, MS, Health Director

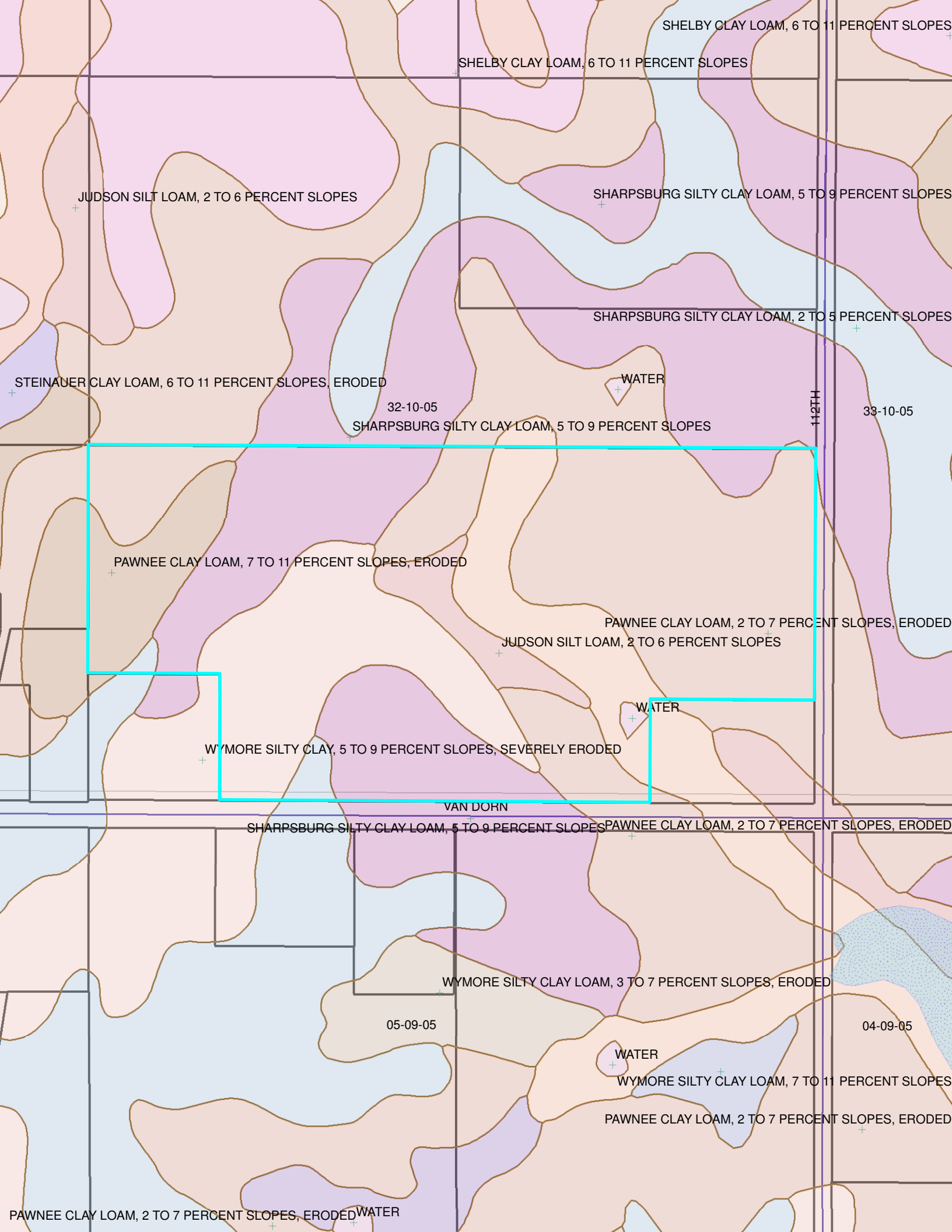
On-site Waste System Permit Holder:

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.

Judith A Halstead

Judith A. Halstead, MS
Health Director

LUCAS BORGMAN
PO BOX 136
PLEASANT DALE NE 68423-0136


SHELBY CLAY LOAM, 6 TO 11 PERCENT SLOPES
SHELBY CLAY LOAM, 6 TO 11 PERCENT SLOPES
JUDSON SILT LOAM, 2 TO 6 PERCENT SLOPES
SHARPSBURG SILTY CLAY LOAM, 5 TO 9 PERCENT SLOPES
SHARPSBURG SILTY CLAY LOAM, 2 TO 5 PERCENT SLOPES
STEINAUER CLAY LOAM, 6 TO 11 PERCENT SLOPES, ERODED
WATER
32-10-05
112TH
33-10-05
SHARPSBURG SILTY CLAY LOAM, 5 TO 9 PERCENT SLOPES
PAWNEE CLAY LOAM, 7 TO 11 PERCENT SLOPES, ERODED
PAWNEE CLAY LOAM, 2 TO 7 PERCENT SLOPES, ERODED
JUDSON SILT LOAM, 2 TO 6 PERCENT SLOPES
WATER
WYMORE SILTY CLAY, 5 TO 9 PERCENT SLOPES, SEVERELY ERODED
VAN DORN
SHARPSBURG SILTY CLAY LOAM, 5 TO 9 PERCENT SLOPES
PAWNEE CLAY LOAM, 2 TO 7 PERCENT SLOPES, ERODED
WYMORE SILTY CLAY LOAM, 3 TO 7 PERCENT SLOPES, ERODED
05-09-05
04-09-05
WATER
WYMORE SILTY CLAY LOAM, 7 TO 11 PERCENT SLOPES
PAWNEE CLAY LOAM, 2 TO 7 PERCENT SLOPES, ERODED
PAWNEE CLAY LOAM, 2 TO 7 PERCENT SLOPES, ERODED
WATER

SCANNED

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

A

Permit Number H5000708

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 2555 SW 112TH ST. (no rural route) City DENTON, NE Zip 68339

Legal Description SE 32 10 5 BORGMAN Acres 1

1/4 | 1/4 | Section | Township | Range | Subdivison | Addition | Block | Lot

Geographical Location (if known): Lat/Long: _____ PID _____

B. Owner

Name LUCAS BORGMAN Signature Lucas Borgman

Address _____ City/State/Zip PLEASANT DALE 68423

Home Phone _____ Work Phone 402-560-7901

C. Certified Installer

Name: Melvin Gagner Signature Melvin Gagner

Address 4610 "W" CLAIRE AVE. City/State/Zip LINCOLN NE. 68523

Work Phone _____

D. Engineer

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

Designer Name _____ Firm _____ Work Phone _____

E. This system will serve a

Grider ☒

☒ Residential Dwelling Number of Bedrooms 3 Is there a Whirlpool Bathtub? ☒ Yes ❑ No Total Acres 5

❑ Commercial Establishment/Other Facility Specify _____ Design flow in gallons per day 400

Type of Wastewater ❑ Domestic ❑ Non-Domestic Well Permit Applied for ❑ Yes ❑ No ❑ Not Applicable

DO NOT WRITE BELOW THIS LINE

Approval Process ❑ Municipal Code 24.38 ❑ County Resolution No. 02-30

1. Health Department
Site visits 1/3/12 - talk
Date rec'd _____ Date frwd _____
ACTION ❑ Approved ❑ Disapproved
Signature _____

2. Supt. Bldg. Insp. or Village Clerk
Comments _____
Date rec'd _____ Date frwd _____
ACTION ☒ Approved ❑ Disapproved
Signature See attached

3. City or County Engineer
Comments _____
Date rec'd _____ Date frwd _____
ACTION ☒ Approved ❑ Disapproved
Signature See attached

Installation Final Written Approval
By Doug Ambl
Date 1/4/12

Business Office Use Only
Date Received 12-11-12 Amount Paid 355.00
Received By BH Cash/Check No. 306

* Melvin called about Fast par rates in Jones 5-21 - soil appeared to be Shanneburg

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

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 2555 SW 112TH ST. (no rural route) City DENTON NE, Zip 68339

Owner LUCAS BORGMAN Addresss 2391 MAIN ST PLEASANT DALE 68423

Soil Type (SCS): CLAY loam Percolation Rate: 60 min./inch

Date of Tests 12-1-2012 to 12-2-2012 Weather: Precipitation 0 Temperature 50

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	32	12-1	1:15	12-2	10:50	12-2	11:20	6	12-2	11:50	30	1/2	60
2	30	11	11	11	11	11	11	11	11	11	11	2 1/2	12
3	32	11	11	11	11	11	11	11	11	11	11	1 1/2	20
4	31	11	11	11	11	11	11	11	11	11	11	1 1/2	20
5	32	11	11	11	11	11	11	11	11	11	11	2	15
6	32	11	11	11	11	11	11	11	11	11	11	3/4	40

Person Conducting Percolation Tests

Name: M.L. Gagner

Phone: 402-432-5698

Address 4810 "W" CLAIRE AVE. C1268

Sum of Percolation Rates: 167

Average of Rates: 27.83

Rate Used for Calculation: 60

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks _____

Signature of Reviewing Official _____ Date _____

FORM 23-101 10-96

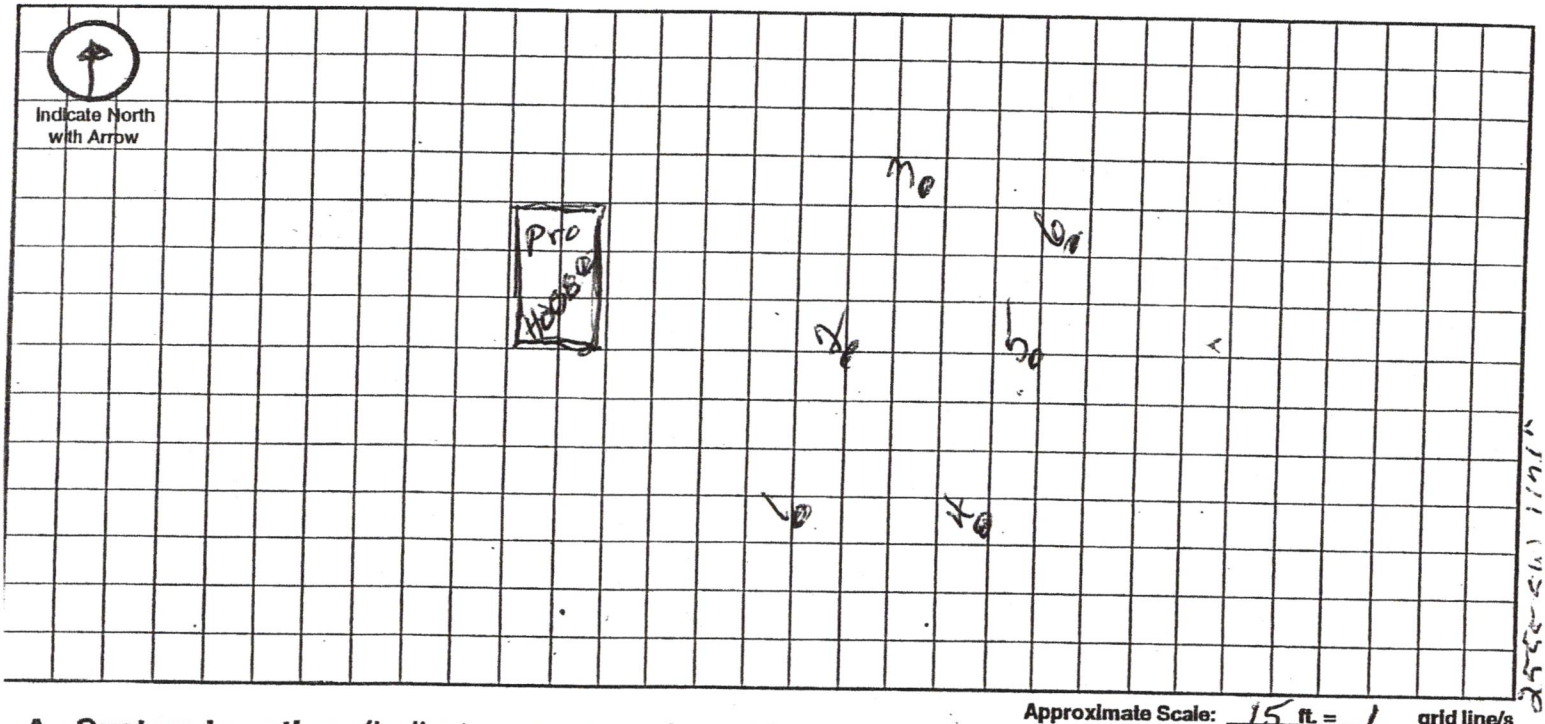
Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

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.



Approximate Scale: 15 ft. = 1 grid line/s

A. System Location (Indicate correct number and street)

Address (no rural route) 2555 SW 112TH ST. 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: Clay loam Land Slope: _____ %

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: INFILTRATORS

Capacity of Septic Tank 1500 gals Number of Absorption Beds: _____ Number of Distribution Laterals per Bed _____

Total Length of Laterals 262 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 _____ Date _____

Installer Melvin Wagner Date 9 Dec. 2012

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

D

Permit Number:

GPS N 40°47.274'
W 096°52.450'

Sewage Disposal System
As Built Plans & Specifications

Date 1-3-2013

System Location (Indicate correct number and street)
Address 2555 SW 112TH ST, (no rural route) City DENTON NE, Zip 68339

A. Building Sewer
1. Material: PVC
   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 OVER 50 ft.
   stream NA ft.
   pressure line OVER 20 ft.
   property line OVER 50 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 _____ in.
   Over outlet, diameter _____ in.
   Riser: ☒ above ☐ below grade 6 in.
5. Inlet: ☒ baffle ☐ tee
6. Outlet: ☒ baffle ☐ tee
7. Depth to top of tank, below unfinished grade: 24 in.
8. Distances to: Well or suction line _____ ft.
   Stream NA ft.
   Pressure line NA ft.
   Property line OVER 50 ft.

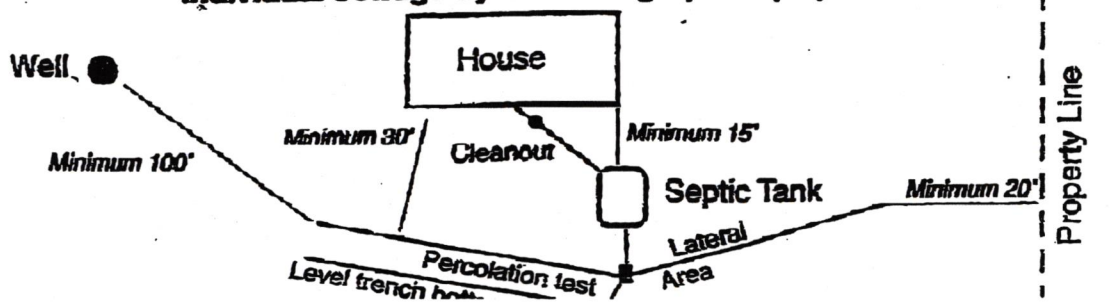
C. Distribution Box
1. Material: _____
   Number available outlets: _____
2. Factory built: ☐ Yes ☐ No
3. Distance from septic tank: _____ ft.

D. Absorption Field
(Provide as-built drawings on back of this form)
1. Type: ☐ Half rounds ☐ Perforated pipe
   Diameter of half round: _____
   or perforated pipe: _____
   Material: ☐ fiberglass ☐ plastic ☐ concrete
   ☐ other EVAPORATORS
2. Lateral lines: Number 3
   Length of each line: 36 ft. 112 ft.
   116 ft. _____ ft. _____ ft.
3. Trench dimensions: Width 40 ft.
   Slope 0 in/100 ft.
   Average depth 20 in
4. Filter material: _____
   Depth of material _____ in.
5. Distances to: Well or suction line _____ ft.
   Stream _____ ft.
   Pressure line _____ ft.
   Property line OVER 50 ft.

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

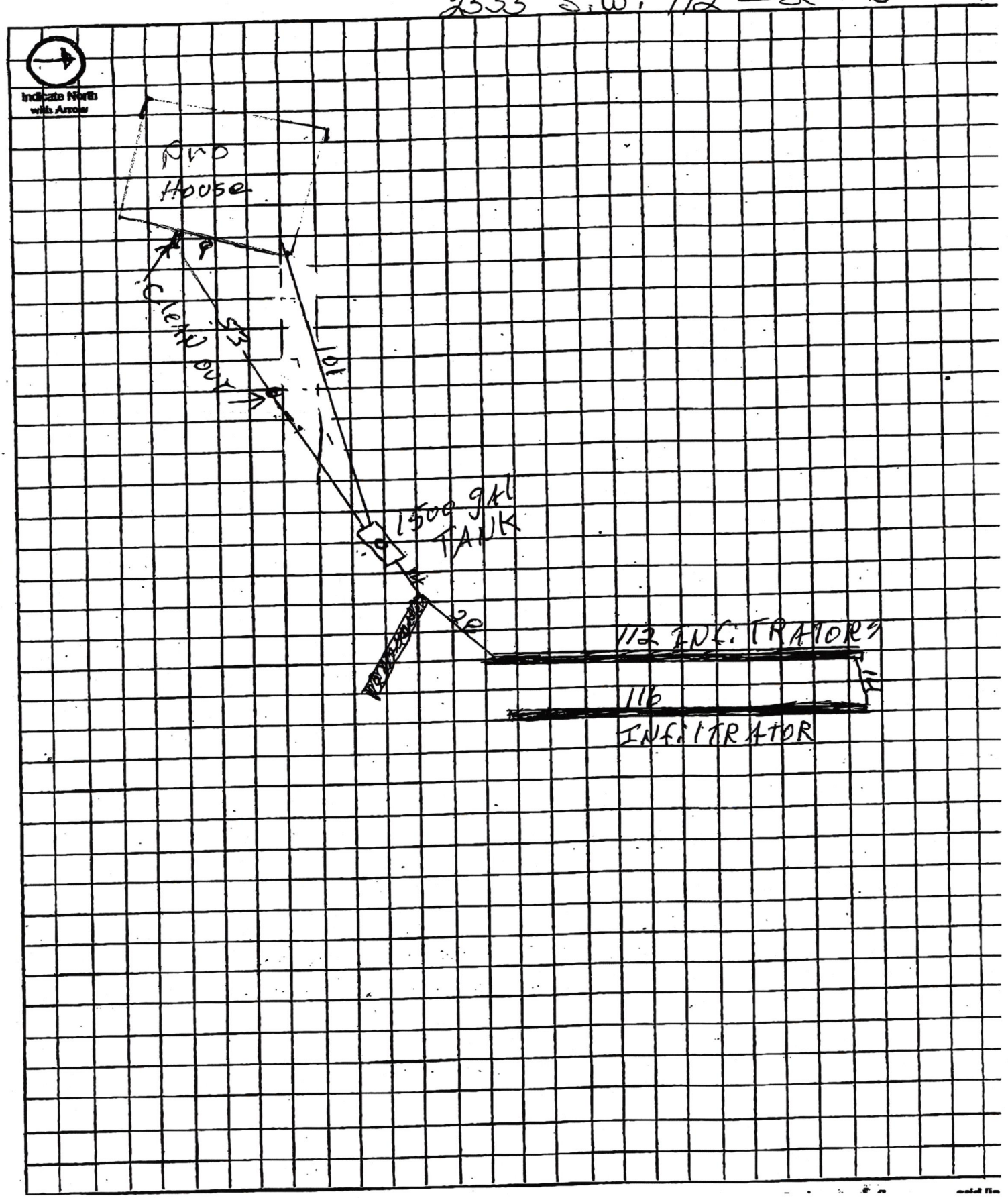
Indicate North with Arrow

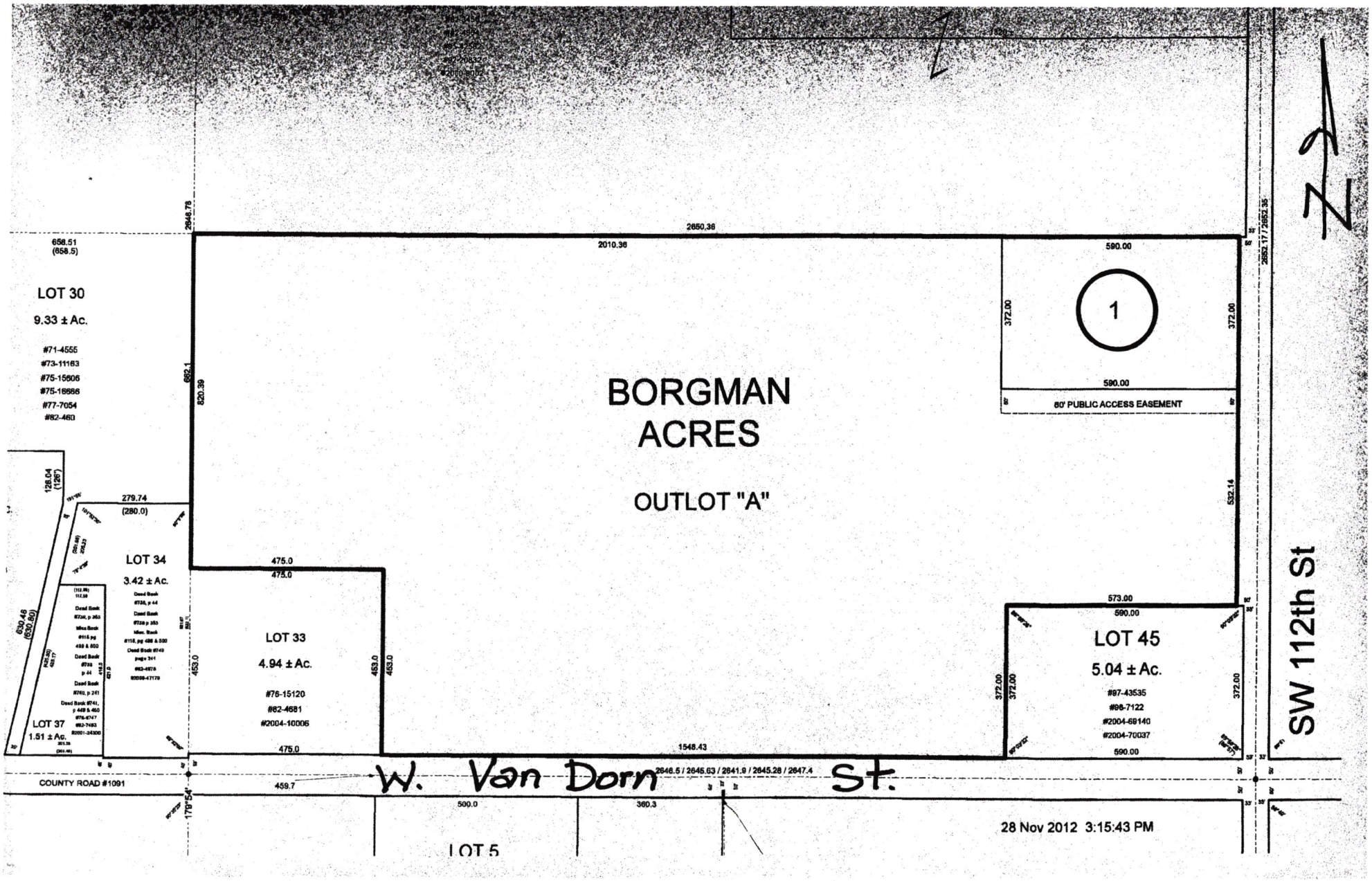
Individual Sewage System Design (Example)



As Built Drawing

2555 S.W. 112th St. Denton, NE




BORGMAN ACRES
OUTLOT "A"
LOT 30
9.33 ± Ac.
#71-4555
#73-11163
#75-15606
#75-16686
#77-7054
#82-460
LOT 34
3.42 ± Ac.
LOT 33
4.94 ± Ac.
#76-15120
#82-4681
#2004-10006
LOT 37
1.51 ± Ac.
LOT 45
5.04 ± Ac.
#97-43535
#98-7122
#2004-68140
#2004-70037
1
80' PUBLIC ACCESS EASEMENT
SW 112th St
W. Van Dorn St.
COUNTY ROAD #1091
LOT 5
2650.36
2010.36
658.51
(658.5)
2646.78
662.1
820.39
279.74
(280.0)
126.04
(126')
630.48
(630.80)
475.0
453.0
1548.43
590.00
573.00
372.00
532.14
2652.17
2646.5 / 2645.63 / 2641.9 / 2645.28 / 2647.4
459.7
500.0
360.3
28 Nov 2012 3:15:43 PM

SEC. 32 (10-5)