AUG 19 2015

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

A

Permit Number
HS001121

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 19800 (no rural route) SW 62 City Crete, NE Zip 68333

Legal Description Kicking Bird Sub. Lot 10
1/4 1/4 Section Township Range Subdivison Addition Block Lot

PID 02-25-401-010-000 SB

B. Owner

Name Aspen Home Bvilders Signature

Address 1633 Normandy Ct. City/State/Zip Lincoln, NE 68512

Home Phone Work Phone 402-423-6811

C. Certified Installer

Name: Bob Beres Signature

Address 1633 Normandy Ct. City/State/Zip Lincoln, NE 68512

Work Phone 423-6811

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 3 Whirlpool Bathtub? ☒ Yes ☐ No Total Acres 6.2
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
Date frwd
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 8-19-15 Amount Paid $375.00
Received By SB Cash/Check No. 18241

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

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

A

Permit Number

Onsite Wastewater Treatment System
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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 _____, NE Zip _____
(no rural route)

Legal Description _____
1/4 1/4 Section Township Range Subdivison Addition Block Lot

PID _____

B. Owner

Name _____ Signature _____

Address _____ City/State/Zip _____

Home Phone _____ Work Phone _____

C. Certified Installer

Name: _____ Signature _____

Address _____ City/State/Zip _____

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

❑ Residential Dwelling Number of Bedrooms _____ Whirlpool Bathtub? ❑ Yes ❑ No Total Acres _____
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 _____ Date rec'd _____ **ACTION** ❑ Approved ❑ Disapproved
Date frwd _____ Signature _____
Comments _____

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

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

Installation Final Written Approval
By _____
Date _____

Business Office Use Only
Date Received _____ Amount Paid _____
Received By _____ Cash/Check No. _____

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: HS001121

Sewage Disposal System

Soil Absorption Test Data Report
Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address 18800 SW 62 (no rural route) City ~~Emerald~~ Crete NE, Zip 68333

Owner Aspen Home Address

Soil Type (SCS): Burchard Clay Loam Percolation Rate: 40 min./inch

Date of Tests 7-22 to 7-24 Weather: Precipitation Little rain 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	36	7-22	9:00	7-23	9:00	7-23	9:10	28"	7-23	9:40	30	.75	40
2	"	"	"	"	"	"	:11	25"	"	:41	"	.88	34
3	"	"	"	"	"	"	:12	30"	"	:42	"	1	30
4	"	"	"	"	"	"	:13	27"	"	:43	"	1	30
5	"	"	"	"	"	"	:14	24"	"	:44	"	.75	40
6	"	"	"	"	"	"	:15	29"	"	:45	"	.75	40

Sum of Percolation Rates: 214
Average of Rates: 36
Rate Used for Calculation: 40

Person Conducting Percolation Tests

Name: Bob Benes
Phone: 402-416-9660
Address 1633 Normandy Ct
Lincoln, NE 68512

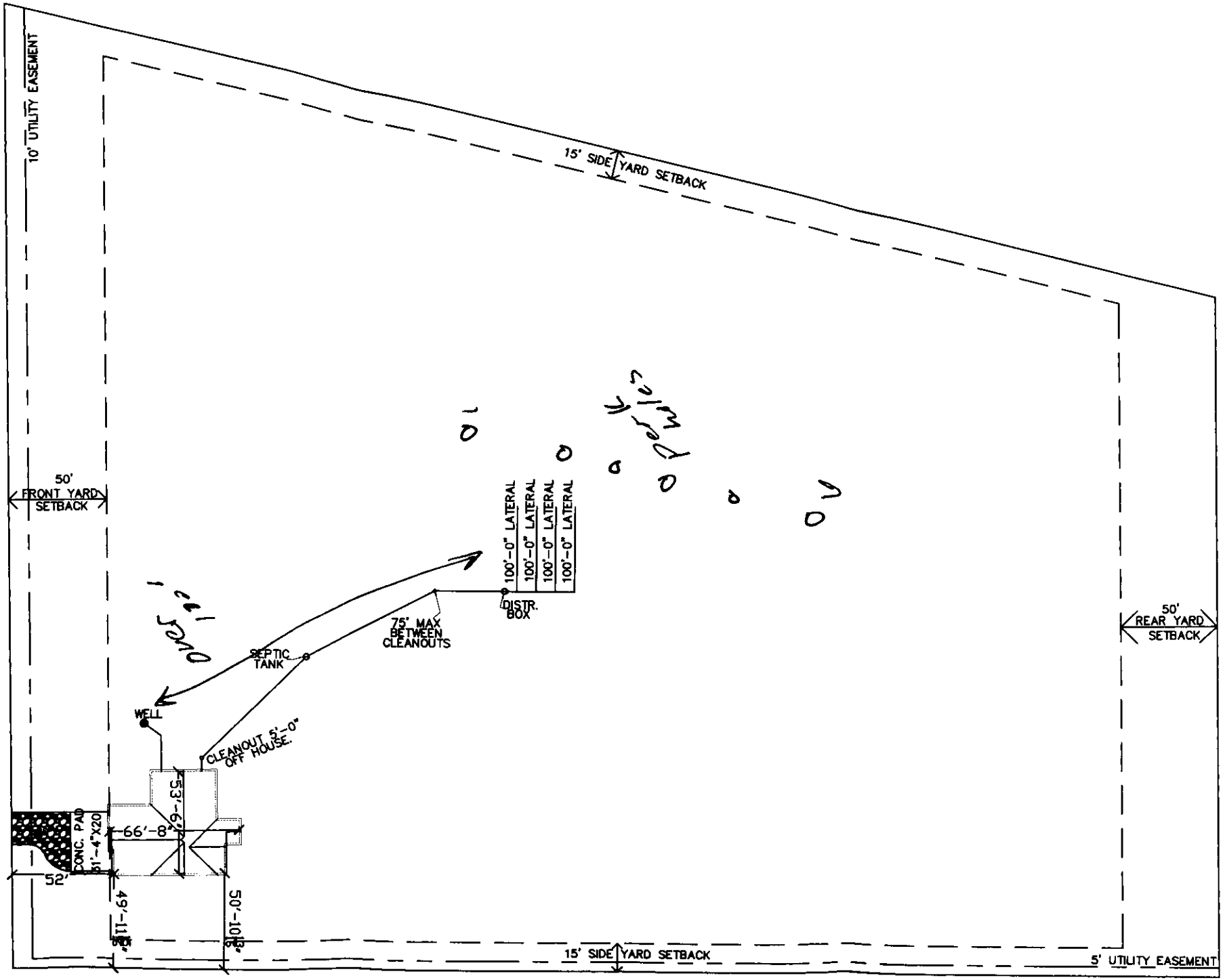
DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks

Signature of Reviewing Official Date

FORM 23-101 10-95



© COPYRIGHT 2015 ASPEN BUILDERS INC.
UNAUTHORIZED USE IS STRICTLY PROHIBITED
18800 SW 62ND STREET – JANDA

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

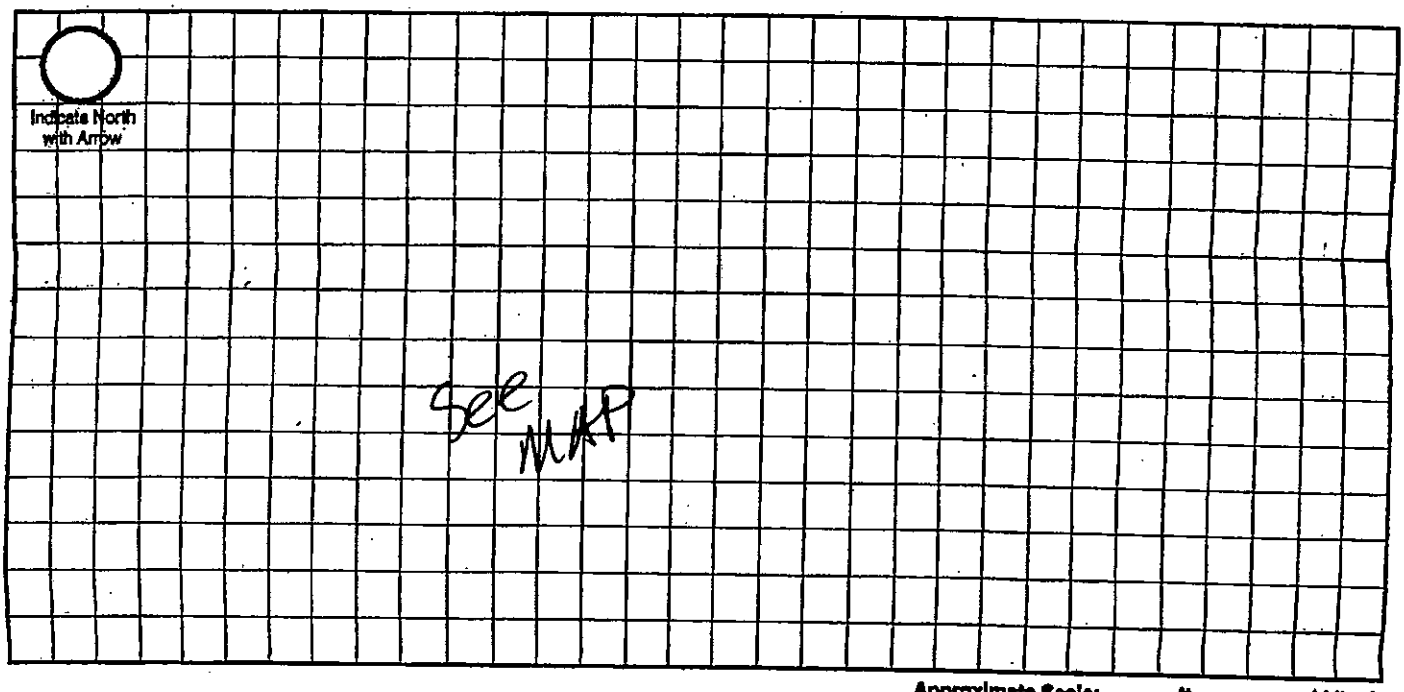
C

Permit Number: HS001121

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.



Approximate Scale: _____ ft. = _____ grid line/s

A. Onsite System Location

Address (no rural route) 18800 SW 62 City Crete NE, Zip 68333

B. Proposed Septic Tank/s

Septic Tank Cap. 1500 gals Tank Material: ☐ Concrete ☒ Plastic ☐ Other _____ ☐ Lagoon (Max. 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 40 (min/inch = mpi) No. of Bedrooms 3 Soil Type Brownell Clay loam Land Slope 1-3 %

☒ Trench ☐ Bed ☐ Non-Standard (engineer designed and NDEQ approved Total Square feet of drainfield 825 sq.ft.

Total length of laterals 226 Type of distribution: ☐ Perforated pipe ☐ Half-Round ☒ Chamber ☐ Other eff. WD 3.65

No. of absorption trenches 2 Width 3' No. of drop boxes 0 Distrubtion 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
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 ☐	☐

F. Required Signatures

Home Building Contractor _____ Date 8-16-15

Installer _____ Date 8-16-15

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. HS001121

System Type: Standard

Situs: 18800 SW 62 ST, RURAL, NE

Issued: 8/21/2015

Expires: 8/21/2016

Description: KICKING BIRD SUBDIVISION, Lot 10

Owner: TARA LLC
ATTN: MIKE GREGORY 912 W KINGS DR
KINGFISHER, OK 73750

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

ASPEN BUILDERS
1633 NORMANDY COURT, SUITE B
LINCOLN, NE 68512

8-5-25

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

pth. NATE

Permit Number: HS001121

Sewage Disposal System
As Built Plans & Specifications

Date 1-15-16

System Location (Indicate correct number and street)
Address 18980 SW 62nd (no rural route) City Crete NE, Zip 68333

A. Building Sewer

1. Material: PVC
   Diameter: 4" in.
2. Distance above basement floor: _____ in.
   or distance below basement floor: 10" in.
3. Distance between dwelling and septic tank: 60 ft.
4. Number of clean-outs: 1
5. Distances to: well or suction line 80 ft.
   stream ~ ft.
   pressure line 75 ft.
   property lines 200 ft.

B. Septic Tank

1. Material: Fiberglass
   Number of compartments: 1
2. Capacity: 1500 gal.
3. Factory built: ☑ Yes ☐ No
4. Manholes: Over inlet, diameter 18" in.
   Over outlet, diameter _____ in.
   Risers: ☑ above ☐ below grade 4 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 70 ft.
   Stream ~ ft.
   Pressure line 75 ft.
   Property line 200 ft.

C. Distribution Box

1. Material: PVC
   Number available outlets: 6
2. Factory built: ☑ Yes ☐ No
3. Distance from septic tank: 20' ft.

D. Absorption Field

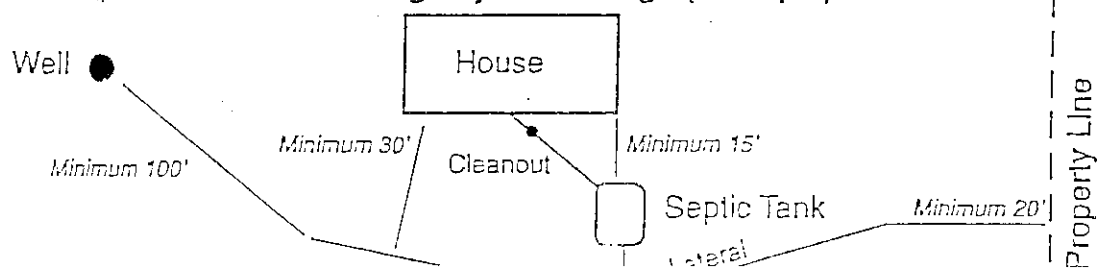
(Provide as-built drawings on back of this form)

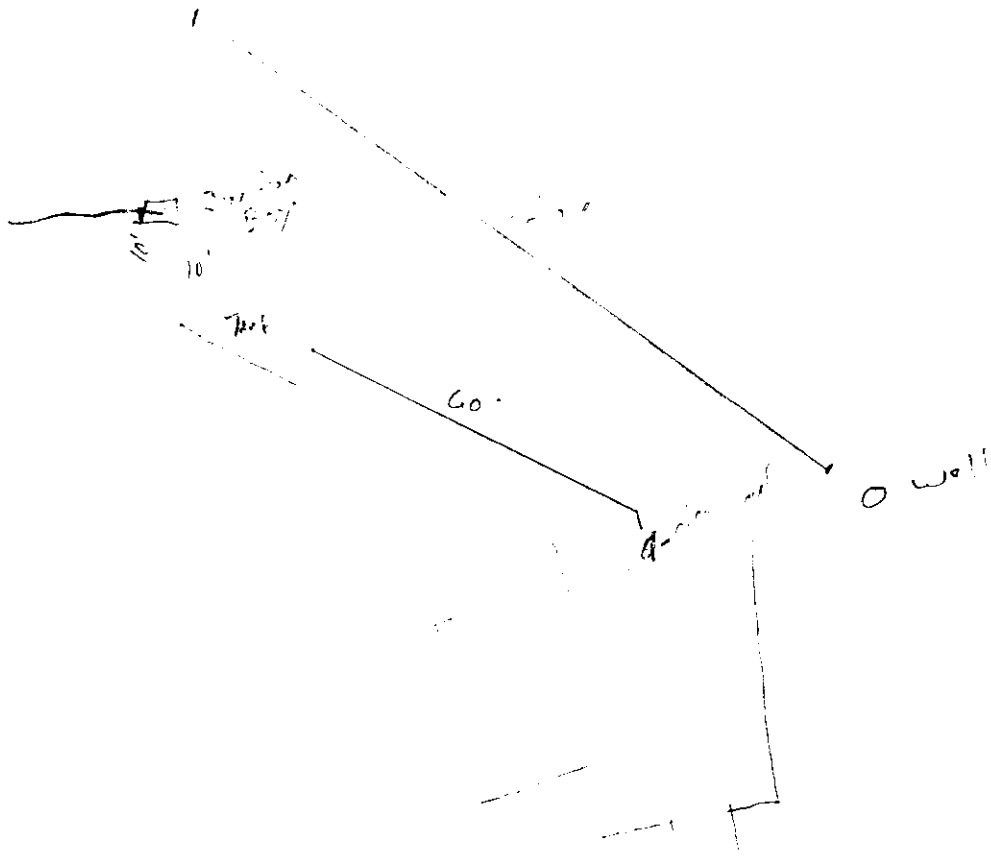
1. Type: ☐ Half rounds ☐ Perforated pipe
   Diameter of half round: _____
   or perforated pipe: _____
   Material: ☐ fiberglass ☐ plastic ☐ concrete
   ☐ other chambers
2. Lateral lines: Number 2
   Length of each line: 115 ft. 115 ft.
   _____ ft. _____ ft., _____ ft.
3. Trench dimensions: Width 3 ft.
   Slope 0 in/100 ft.
   Average depth 24 in
4. Filter material: none
   Depth of material _____ in.
5. Distances to: Well or suction line 130 ft.
   Stream ~ ft.
   Pressure line 140 ft.
   Property line 200 ft.

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

Indicate North with Arrow

Individual Sewage System Design (Example)




10'
60'

COPY

HS001121

FEB 22 2016 8-5-25

STATE OF NEBRASKA

Pete Ricketts
Governor

FEB 18 2016

DEPARTMENT OF ENVIRONMENTAL QUALITY
Jim Macy
Director
Suite 400, The Atrium
1200 'N' Street
P.O. Box 98922
Lincoln, Nebraska 68509-8922
Phone (402) 471-2186
FAX (402)471-2909
website: http://deq.ne.gov

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Robert L. Benes (C1093)
Aspen Builders
1633 Normandy Court
Lincoln, NE 68512

RE: **Soil Percolation Rate**
Jeff Janda Acreage
18880 SW 62nd Street, Crete, NE
SE SE Section 25, Township 08N, Range 05E, in Lancaster County

NDEQ ID: 397355 / 107424
Program ID: OWT 1093 / TS29040

Dear Mr. Benes:

On January 27, 2016, the Nebraska Department of Environmental Quality (NDEQ) received a *System Registration for Onsite Wastewater Treatment System* for a new septic system you installed at 18880 SW 62nd Street, Crete, NE. The property's soil percolation rate was recorded as 36 minutes per inch on the system registration.

A review of the USDA Web Soil Survey data for the parcel revealed Pawnee clay loam and Burchard clay loam soil textures for the lot. The anticipated soil percolation rate for Pawnee clay loam at depths between 20-inches and 48-inches was 855 minutes per inch; the anticipated soil percolation rate for Burchard clay loam at depths between 20-inches and 48-inches was 460 minutes per inch. The clay content for the soil textures ranged from 34 percent to 43 percent. High soil clay content can result in ponding and perched water tables at a location; both conditions can contribute to a soil absorption system's premature failure.

Nebraska Administrative Code Title 124- Rules and Regulations for the Design, Operation and Maintenance of Onsite Wastewater Treatment Systems, Chapter 3, states "Authorization by Rule" does not apply to the construction of a soil absorption system in a soil with a percolation rate slower than 60 minutes per inch. The owner of a dwelling proposing to construct,

9400109902076000094702

reconstruct, or modify an onsite system not covered by "Authorization by Rule" must apply for and obtain from the Department a Construction/Operating permit in accordance with Title 124, Chapter 3, 003. When an application for a Construction/Operating permit is required, the owner must obtain a Construction permit from the Department prior to the start of the work and an Operating permit from the Department prior to use of the system. The Construction permit and the Operating permit for a single system are covered by one application.

The above referenced property may also be evaluated for the suitability of a domestic wastewater lagoon to treat and dispose of wastewater generated at the site.

Please submit to NDEQ by **March 18, 2016**, the soil percolation data and results for tests conducted at 18880 SW 62nd Street, Crete, NE. Please include with your letter the site drawing completed in accordance with Title 124, Chapter 3, 002.03B, for the onsite system's construction. Registration of the property's onsite system is not completed until the required information has been submitted to verify compliance with Title 124 requirements.

This letter is an attempt to advise you of the regulations with regard to onsite wastewater treatment systems and to obtain your voluntary compliance.

If you have any questions concerning this matter, please feel free to contact me at (402) 471-4372 or by e-mail at anania.caruso@nebraska.gov.

Sincerely,

Anania Caruso

Anania Caruso
Program Specialist, Onsite Wastewater Unit
Nebraska Department of Environmental Quality

Cc: Jeff Janda
John Chess, LLCHD
David Cary, Lancaster County Planning/Zoning Department

AUG 19 2015

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

SCANNED

A

Permit Number HS001121

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 18800 (no rural route) SW 62 City Crete, NE Zip 68333

Legal Description 25 8 5 SB Kicking Bird Sub. Lot 10

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

PID 02-25-401-010-000 SB

B. Owner

Name Aspen Home Builders Signature

Address 1633 Normandy Ct. City/State/Zip Lincoln, NE 68512

Home Phone Work Phone 402-423-6811

C. Certified Installer

Name: Bob Beres Signature

Address 1633 Normandy Ct. City/State/Zip Lincoln, NE 68512

Work Phone 423-6811

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 3 Whirlpool Bathtub? ☒ Yes ☐ No Total Acres 6.2

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 8/21/15

Date frwd 8/21/15

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 12/10/15

Business Office Use Only

Date Received 8-19-15 Amount Paid $375.00

Received By SB Cash/Check No. 18241

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

Form A Updated: 1/13

8-5-25

SCANNED

D

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

pth. NATE

Permit Number: HS001121

Sewage Disposal System

As Built Plans & Specifications

Date 1-15-16

System Location (Indicate correct number and street)

Address 18880 SW 62nd (no rural route) City Crete ~~Sprague~~ NE, Zip 68333

A. Building Sewer

1. Material: PVC
   Diameter: 4" in.
2. Distance above basement floor: _____ in.
   or distance below basement floor: 10" in.
3. Distance between dwelling and septic tank: 60 ft.
4. Number of clean-outs: 1
5. Distances to: well or suction line 80 ft.
   stream ~ ft.
   pressure line 75 ft.
   property line 200 ft.

B. Septic Tank

1. Material: Fiberglass
   Number of compartments: 1
2. Capacity: 1500 gal.
3. Factory built: ☒ Yes ☐ No
4. Manholes: Over inlet, diameter 18" in.
   Over outlet, diameter _____ in.
   Riser: ☒ above ☐ below grade 4 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 70 ft.
   Stream ~ ft.
   Pressure line 75 ft.
   Property line 200 ft.

C. Distribution Box

1. Material: PVC
   Number available outlets: 6
2. Factory built: ☒ Yes ☐ No
3. Distance from septic tank: 20' ft.

D. Absorption Field

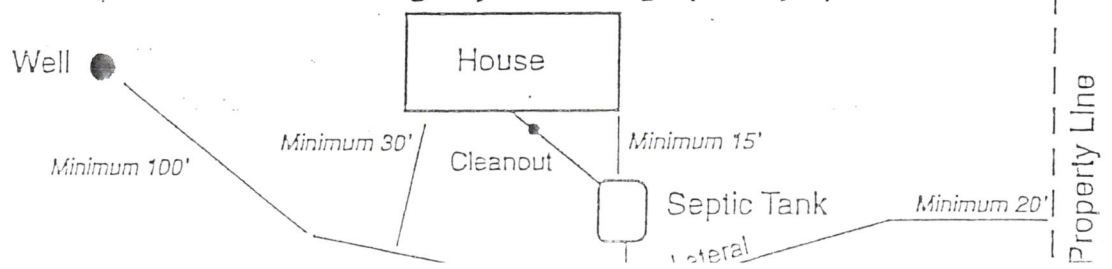
(Provide as-built drawings on back of this form)

1. Type: ☐ Half rounds ☐ Perforated pipe
   Diameter of half round: _____
   or perforated pipe: _____
   Material: ☐ fiberglass ☐ plastic ☐ concrete
   ☐ other chambers
2. Lateral lines: Number 2
   Length of each line: 115 ft. 115 ft.
   _____ ft. _____ ft., _____ ft.
3. Trench dimensions: Width 3 ft.
   Slope 0 in/100 ft.
   Average depth 24 in
4. Filter material: none
   Depth of material _____ in.
5. Distances to: Well or suction line 130 ft.
   Stream ~ ft.
   Pressure line 140 ft.
   Property line 200 ft.

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

Indicate North with Arrow

Individual Sewage System Design (Example)



E
S
W
Junction Box
10'
Tank
120'
60'
well
19780 SW corner
SW corner

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

Exhibit 5

Permit Number: #3001121

Onsite Wastewater Treatment System

Inspection Sheet

Date 12/10/15 Legal Description Hickory Blvd Lot 10

¼ ¼ Section/Township/Range

Onsite System Location

Address (no rural route) 18800 SW 62nd City _____

Owner _____ Address _____

Mark One: ☒ Dwelling ☐ Non-dwelling

☐ New System ☐ Alteration [☐ Tank Only ☐ Trench Only] ☐ Lateral Only

☐ Temporary modification (Describe problem causing discharge and reason for temporary modification): _____

Drainfield Absorption System:

☒ Lateral ☐ Bed ☐ Non-standard (engineer-designed and NDEQ approved) ☐ Holding Tank ☐ Trench

Total square feet of drainfield 1087.8 Sq. Ft. Tank Size 1500 gals plastic tunnel w/ Fill

Total length of laterals 300 Type of Distribution: ☒ Chamber ☐ Perforated Pipe ☐ Other (describe) _____

No. of Absorption Laterals 2 Width 3' No. of Drop Boxes 0 Distribution Box 1

Leveling Method Used N/O

Setbacks (Check the Boxes Below if the Required Setback has been Satisfied):

Distance From	Private Well	Public Well	Surface Water	Ground water	Pressure Water Lines	Property Lines
Tank (ft)	50 ☐	500 ☐	50 ☐	NA ☒	10 ☐	5 ☒
Field (ft)	100 ☒	500 ☒	50 ☒	4 ☒	25 ☐	5 ☒

Geographical Coordinates to 6 Decimals:

Tank _____

Lateral #1 N/O Lateral #3 _____

Lateral #2 _____ Lateral #4 _____

Comments:
well was being drilled - after septic install

Inspections prior to Final Approval
Initial DH Date 12/8/15

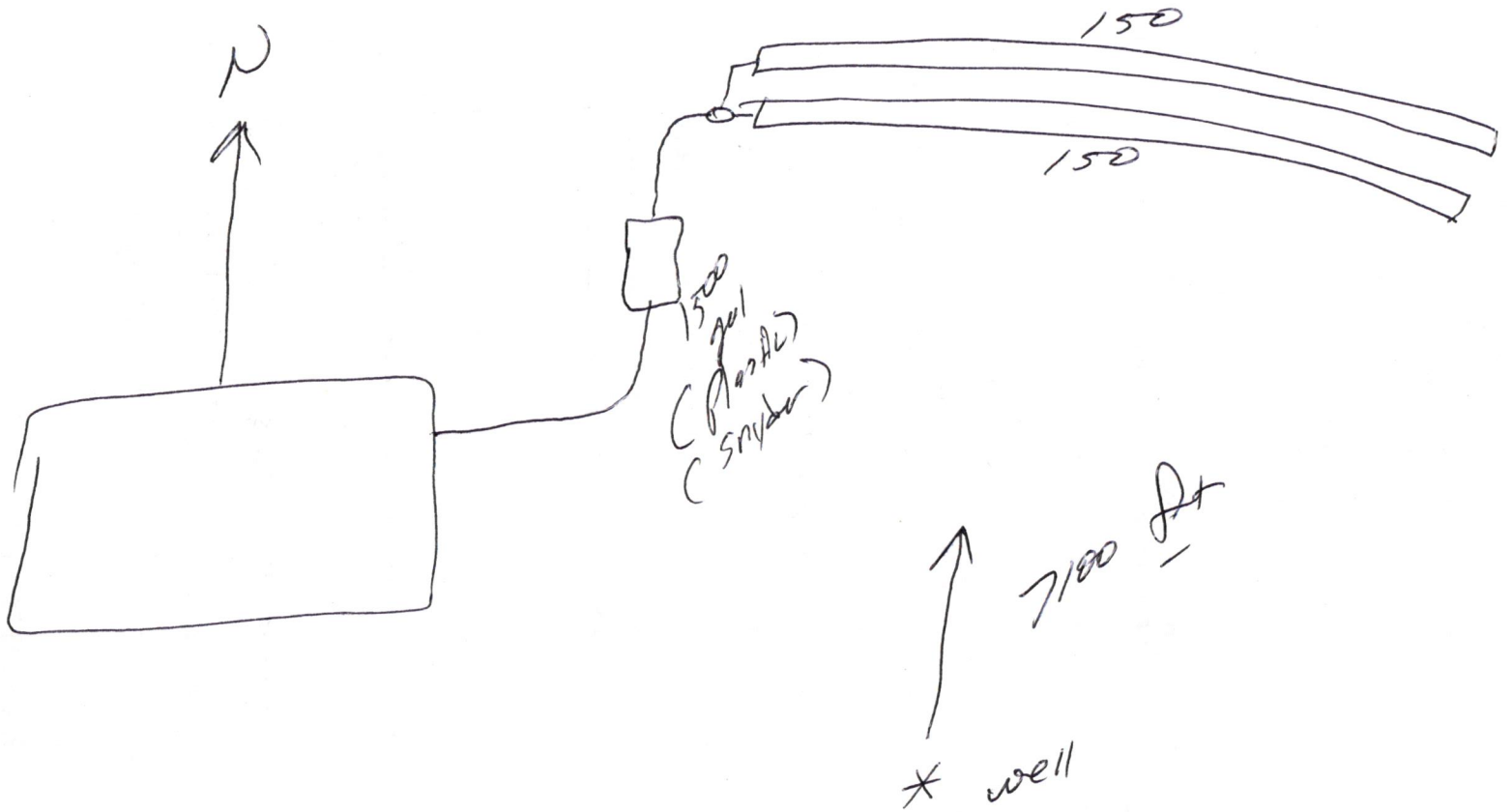
Follow-Up _____ Date _____

Follow-Up _____ Date _____

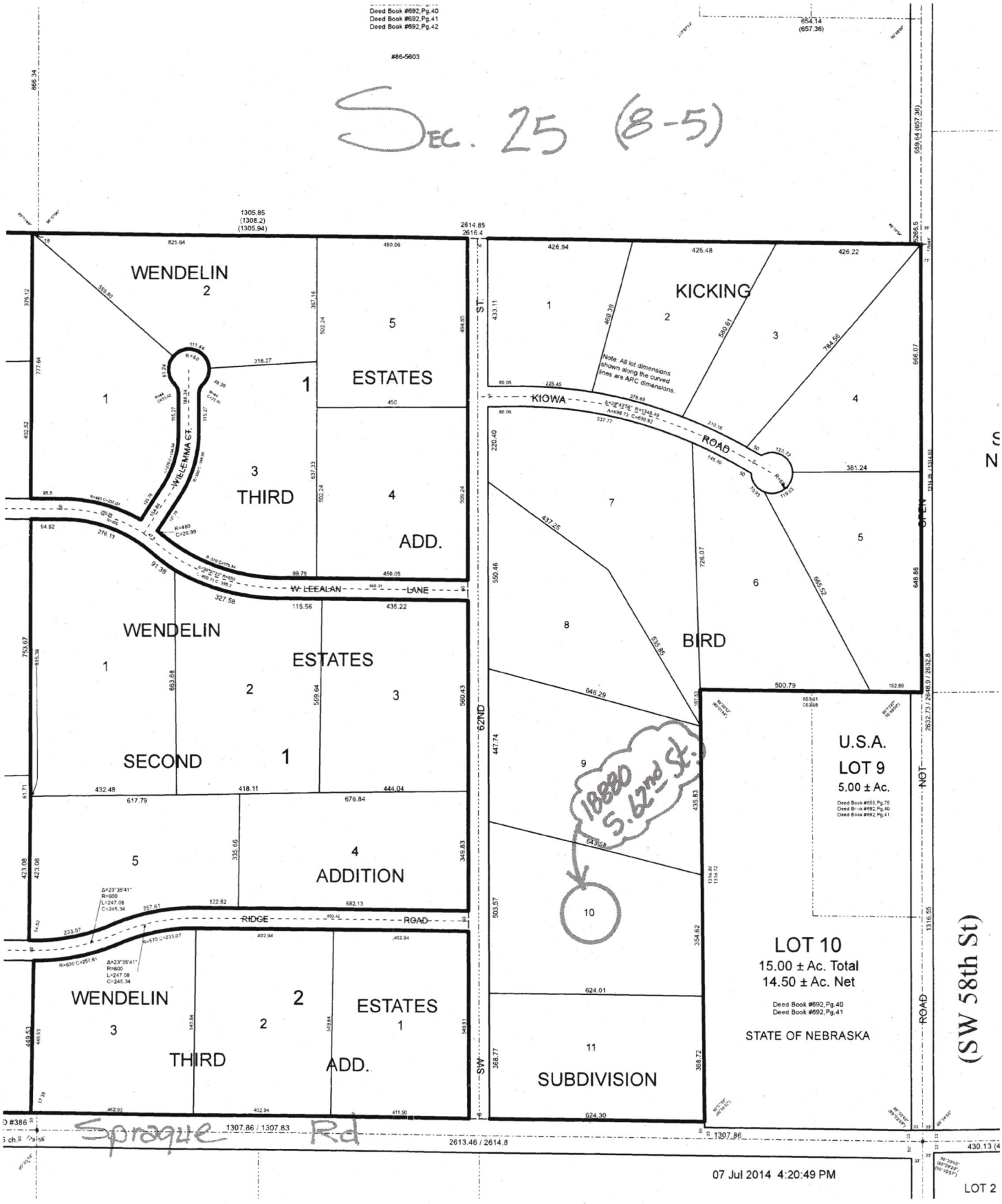
Installation Final Written Approval
By _____

Date 12/10/15

Field Note Drawing (See Reverse Side):



NH


Deed Book #692,Pg.40
Deed Book #692,Pg.41
Deed Book #692,Pg.42
#86-5603
SEC. 25 (8-5)
WENDELIN
2
ESTATES
1
THIRD
ADD.
WILLEMMA CT.
W LEEALAN LANE
WENDELIN
ESTATES
SECOND
ADDITION
RIDGE ROAD
WENDELIN
ESTATES
THIRD
ADD.
62ND ST.
SW
KICKING
KIOWA ROAD
BIRD
SUBDIVISION
OPEN
18880 S.62nd St.
U.S.A.
LOT 9
5.00 ± Ac.
Deed Book #655,Pg.75
Deed Book #692,Pg.40
Deed Book #692,Pg.41
LOT 10
15.00 ± Ac. Total
14.50 ± Ac. Net
Deed Book #692,Pg.40
Deed Book #692,Pg.41
STATE OF NEBRASKA
NOT
ROAD
(SW 58th St)
Sprague Rd
1307.86 / 1307.83
2613.46 / 2614.8
1307.86
07 Jul 2014 4:20:49 PM
LOT 2