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

A

Permit Number H5001962

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 17350 Red Sunset Ct (no rural route) City Benett NE Zip _____

Legal Description _____ 11 8 8 Nemaha Ridge Add 2 5
1/4 1/4 Section Township Range Subdivison Addition Block Lot

PID 21-11-202-005-000

B. Owner

Name Kenny Gecman - Destiny Homes LLC Signature _____

Address 6901 NW 4th St. City/State/Zip Lincoln, NE 68521

Home Phone _____ Work Phone 402-910-4591

C. Certified Installer

Name: Jeff Schoeneck Signature Jeff Schoeneck

Address 1291 County Rd V City/State/Zip Fremont, NE 68025

Work Phone 402-720-9209

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 5 Whirlpool Bathtub? ☒ Yes ☐ No Total Acres 3
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 3-11-20 Amount Paid $430.00
Received By SRB Cash/Check No 004232

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

Form A Updated 1-13

Lincoln-Lancaster County Health Department
Environmental Public Health Division (402) 441-8027
3131 O Street Lincoln, Nebraska 68510-1514

ON-SITE WASTE WATER SYSTEM
CONSTRUCTION - INSTALLATION PERMIT
No. HS001962

System Type: Lagoon

Situs: No Site Address Specified

Issued: 3/17/2020

Expires: 3/17/2021

Description: NEMAHA RIDGE ADDITION, BLOCK 2, Lot 5

Owner: MADDEN, PATRICK REVOCABLE TRUST
3130 FOX HOLLOW RD
LINCOLN, NE 68506

Patricia D. Lopez

Patricia D. Lopez, RN, MSN, Interim 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.

Patricia D. Lopez

Patricia D. Lopez, RN, MSN
Interim Health Director

JEFF SCHOENECK
1291 COUNTY ROAD V
FREMONT, NE 68025

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

SCANNED

A

Permit Number H5001962

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 17350 Red Sunset Ct (no rural route) City Benett, NE Zip

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

11 | 8 | 8 | Nemaha Ridge Add | 2 | 5

PID 21-11-202-005-000

B. Owner

Name Kenny German - Destiny Homes LLC Signature

Address 6901 NW 4th St City/State/Zip Lincoln, NE 68521

Home Phone Work Phone 402-910-4591

C. Certified Installer

Name: Jeff Schoeneck Signature Jeff Schoeneck

Address 1291 County Rd V City/State/Zip Fremont, NE 68025

Work Phone 402-720-9209

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 5 Whirlpool Bathtub? ☒ Yes ☐ No Total Acres 3

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 3/17/20

Date frwd 3/17/20

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 3-11-20 Amount Paid $430.00

Received By Cash/Check No 004230

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

Form A Updated 1-13

LANCASTER COUNTY ASSESSOR / REGISTER OF DEEDS

QuickRef ID	Owner	Property Address	2020 Preliminary Value
R404803	MADDEN, PATRICK REVOCABLE TRUST	17350 RED SUNSET CT, BENNET, NE 68317	$8,300

2020 GENERAL INFORMATION

Property Status	A-Active
Property Type	Real Property
Property Class	Ag Unimproved
Zoning	AG - AG-Agriculture District
Legal Description	NEMAHA RIDGE ADDITION, BLOCK 2, Lot 5
Neighborhood	Nemaha Ridge
Property ID	21-11-202-005-000
Taxing Unit Group	0085

2020 VALUE INFORMATION

Total Non-Ag Assessed	$0
Total Ag Sp Assessed	$8,300

2020 OWNER INFORMATION

Owner Name	MADDEN, PATRICK REVOCABLE TRUST
Mailing Address	3130 FOX HOLLOW RD LINCOLN, NE 68506
Exemptions	-
Percent Ownership	50%

AG LAND SEGMENTS

LAND TYPE	SOIL TYPE	ACRES	AG VALUE
D-Dryland	Burchard clay loam, 6 to 11 percent slopes	1.74	$6,130
W-Waste	Burchard clay loam, 6 to 11 percent slopes	0.14	$104
D-Dryland	Pawnee clay loam, 4 to 8 percent slopes, eroded	0.03	$88
D-Dryland	Steinauer loam, 11 to 30 percent slopes	0.36	$1,157
W-Waste	Steinauer loam, 11 to 30 percent slopes	1.06	$797

ASSESSED VALUE HISTORY

YEAR	LAND	BUILDING	TOTAL
2019	$9,200	$0	$9,200
2018	$10,100	$0	$10,100
2017	$10,100	$0	$10,100

SALES HISTORY

SALE DATE	SELLER	BUYER	INSTR #	Sale Price
11/4/2019	MADDEN, PATRICK & WOODS, CASSIE	MADDEN, PATRICK & CASSANDRA REVOCABLE TRUSTS	2019045660	$0
6/18/2019	NEMAHA FARMS LLC	MADDEN, PATRICK & WOODS, CASSIE	2019022512	$69,900

DISCLAIMER

TO ACCESS the ASSESSOR/REGISTER of DEEDS GENERAL INFORMATION PAGE, click on the Lancaster County logo. DISCLAIMER Every effort has been made to offer the most current and correct information possible on these pages. The information included on these pages has been compiled by County staff from a variety of sources, and is subject to change without notice. The County Assessor makes no warranties or representations whatsoever regarding the quality, content, completeness, accuracy or adequacy of such information and data. The County Assessor reserves the right to make changes at any time without notice. By using this application, you assume all risks arising out of or associated with access to these pages, including but not limited to risks of damage to your computer, peripherals, software and data from any virus, software, file or other cause associated with access to this application. The County Assessor shall not be liable for any damages whatsoever arising out of any cause relating to use of this application, including but not limited to mistakes, omissions, deletions, errors, or defects in any information contained in these pages, or any failure to receive or delay in receiving information.

Nate C. Hartman

From: Village of Bennet <bennetvlg@diodecom.net>
Sent: Monday, March 16, 2020 11:12 AM
To: Nate C. Hartman
Subject: RE: Onsite Wastewater Permit Application

Nate,

Thank you for notification of the pending permit for Onsite Wastewater Treatment System (Lagoon) at 17350 Red Sunset Ct, Bennet, NE. The Village of Bennet has no objection to the issuance of the permit for an Onsite Wastewater Treatment System (Lagoon).

Michele Lincoln, CMC
Clerk/Treasurer
Village of Bennet
(402)782-3300

From: Nate C. Hartman <nhartman@lincoln.ne.gov>
Sent: Monday, March 16, 2020 10:59 AM
To: Village of Bennet <bennetvlg@diodecom.net>
Subject: Onsite Wastewater Permit Application

Michelle:

The Lincoln-Lancaster County Health Department (LLCHD) has received a permit application to construct an Onsite Wastewater Treatment System (Lagoon) to be located at:

17350 Red Sunset Ct.
Nemaha Ridge Add
Block 2, Lot 5
T8N, R8E, Sec 11

PID-2111202005000

Please let me know if you have any issues. If not, please indicate in response, an approval from the Village of Bennett.

If you have any questions prior to your review, please let me know as soon as possible.

Thanks!

Nate Hartman REHS, QCIS, QPSWPPP
Senior Environmental Health Specialist
3131 'O' Street, Lincoln, NE 68510
O: 402-441-8643 F: 402-441-3890





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Nate C. Hartman

From: Nate C. Hartman
Sent: Friday, March 13, 2020 2:48 PM
To: jeffhet@1791.com
Cc: Janet O'Neal; Kenny German; Village of Bennet; Chris M. Schroeder
Subject: RE: Onsite wastewater permit 17350 Red Sunset Ct

Jeff:

As discussed, at this point I will process the permit application for a **lagoon**. Please keep in mind that as the project progresses through all of the steps, we will need to re-evaluate the proposal that the state is reviewing now,-both the construction permit for the onsite wastewater treatment system AND the NPDES permit component to the proposed system. Please make sure to tell all parties involved that there is NO GUARANTEE that even if the state approves both the Construction Permit and NPDES Discharge Permit, that this will translate to a speedy approval, or, an approval at all for that matter in the ETJ of Bennett. The Lincoln-Lancaster County Health Department (LLCHD) has onsite wastewater permitting jurisdiction in Bennett's ETJ so please continue to keep us updated regarding the timeline for an approval from the state. We will, in-turn, keep the Village of Bennet updated. In the meantime, assuming Bennett approves the Standard Lagoon permit application (pending), we will continue to move forward as though your intent is to utilize a lagoon.

In other words, the newly proposed system not-yet-approved by the state **will require a re-review** (will not require an additional permit) by our department as well as the Village of Bennett because it is in their ETJ.

If ANYONE has any questions as we all move forward with this, please let me know.

Thanks!

Nate Hartman REHS, QCIS, QPSWPPP
Senior Environmental Health Specialist
3131 'O' Street, Lincoln, NE 68510
O: 402-441-8643 F: 402-441-3890

From: jeffhet@1791.com [mailto:jeffhet@1791.com]
Sent: Monday, March 9, 2020 5:29 PM
To: Nate C. Hartman <nhartman@lincoln.ne.gov>
Cc: Janet O'Neal <JONeal@lincoln.ne.gov>; Kenny German <destinyhomesne@gmail.com>
Subject: RE: Onsite wastewater permit 17350 Red Sunset Ct

Nate,

Attached is the application for the lagoon. I will call Janet to make payment for permit. Let me know if you need anything else.

Regards,
Jeff

-----Original Message-----
From: "Nate C. Hartman" <nhartman@lincoln.ne.gov>
Sent: Monday, March 9, 2020 5:39pm
To: "jeffhet@1791.com" <jeffhet@1791.com>
Cc: "Janet O'Neal" <JONeal@lincoln.ne.gov>, "Kenny German" <destinyhomesne@gmail.com>
Subject: RE: Onsite wastewater permit 17350 Red Sunset Ct

Jeff:

Submit the application paperwork and the necessary fee for a lagoon...As stated in our conversation, we will let the chips fall regarding those other details. Our fee is the same either way so this will help get the process moving a bit quicker...

Thanks!

Nate Hartman REHS, QCIS, QPSWPPP
Senior Environmental Health Specialist
3131 'O' Street, Lincoln, NE 68510
O: 402-441-8643 F: 402-441-3890

From: jeffhet@1791.com [mailto:jeffhet@1791.com]
Sent: Monday, March 9, 2020 4:18 PM
To: Nate C. Hartman <nhartman@lincoln.ne.gov>
Cc: Janet O'Neal <JONeal@lincoln.ne.gov>; Kenny German <destinyhomesne@gmail.com>
Subject: Onsite wastewater permit 17350 Red Sunset Ct

Nate,

As per our phone conversation, I am requesting a permit for a wastewater lagoon, in order to allow the builder to obtain building permits for the proposed home @ 17350 Red Sunset Ct, Bennet, NE. A construction permit has been applied for with NDEE for an alternative discharging wastewater system. The design has passed the NDEE review, but a NPDES Permit is also required for the system. The NPDES permit requires a 30-day public comment period. In the event the NPDES permit is denied, the lagoon would be a back-up option for the onsite wastewater system.

The owners wish to preserve the wooded areas on the lot, so a lagoon is a least-preferred option.

I understand you department works with the Village of Bennet on the onsite wastewater permits, so I will wait to hear from you in order to process payment for the Lancaster County Health Department permit fee.

Please let me know if you have any questions or comments regarding this request.

Kind Regards,

Jeff Schoeneck, P.E.
Horizon Envirotech, LLC
402-720-9209
CONFIDENTIALITY NOTICE: This e-mail message, including any attachments, is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message.

Nate C. Hartman

From: Nate C. Hartman
Sent: Wednesday, March 11, 2020 2:49 PM
To: Village of Bennet
Subject: RE: Heads Up

I will call you on this one. I just got the permit application a few minutes ago dropped on my desk. Give me a bit and I will call in...

Nate Hartman REHS, QCIS, QPSWPPP
Senior Environmental Health Specialist
3131 'O' Street, Lincoln, NE 68510
O: 402-441-8643 F: 402-441-3890

From: Village of Bennet [mailto:bennetvlg@diodecom.net]
Sent: Wednesday, March 11, 2020 12:08 PM
To: Nate C. Hartman <nhartman@lincoln.ne.gov>
Subject: RE: Heads Up

The builder for that home just called and wanted to make sure I received his lagoon permit so they could get the building permit. I told him I thought they were doing the engineered system. He says they do that all the time .... Pull a lagoon permit, because the other one will take too long. What's your thoughts?

Michele Lincoln, CMC
Clerk/Treasurer
Village of Bennet
(402)782-3300

From: Nate C. Hartman <nhartman@lincoln.ne.gov>
Sent: Monday, March 09, 2020 12:18 PM
To: Village of Bennet <bennetvlg@diodecom.net>
Cc: Chris M. Schroeder <cschroeder@lincoln.ne.gov>
Subject: RE: Heads Up

Michele:

I knew that this proposal was going to be coming in, but I didn't know it was going to fall inside your ETJ. I knew of the proposal at the State and they have asked us about our local authority regarding this system, but neither they nor I had an address or legal desc. at the time we were discussing it. Up front,-sorry this has to be the first one of these we work on together...,-Murphy's Law

So, just an FYI this is going to be VERY involved and I am sure they are aware of it on their end. Thanks for the heads-up. I will keep you posted but this one is going to require a few extra steps. When I ACTUALLY get a permit application, I

will contact you directly on this one as this, as stated by their representation, is a first for anywhere in Nebraska (if approved).

Again, thanks for the heads-up and I will be patiently awaiting the application!

Nate Hartman REHS, QCIS, QPSWPPP
Senior Environmental Health Specialist
3131 'O' Street, Lincoln, NE 68510
O: 402-441-8643 F: 402-441-3890

From: Village of Bennet [mailto:bennetvlg@diodecom.net]
Sent: Monday, March 9, 2020 12:07 PM
To: Nate C. Hartman <nhartman@lincoln.ne.gov>
Subject: Heads Up

Have a guy in the office for a building permit for new construction within our ETJ. Address: 27350 Red Sunset Court. His engineer with Horizon Biotech should be contacting you. Told him we would not issue building permit without your approval. They want to do an "engineered system" and he said it was the first one in Nebraska. He said it goes through a system and then runs into a live creek.

Michele Lincoln, CMC
Clerk/Treasurer
Village of Bennet
(402)782-3300

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JUL 3 1 2020

A

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

Permit Number HS001962

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 17350 Red Sunset Ct (no rural route) City Benett , NE Zip

Legal Description ____ Nemaha Ridge 5

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

PID

B. Owner Madden, Patrick Revocable Trust - 3130 Fox Hollow Rd, Lincoln, NE 68506

c/o Name Kenny German - Destiny Homes LLC Signature

Address 6901 NW 4th St City/State/Zip Lincoln, NE 68521

Home Phone Work Phone 402-910-4591

C. Certified Installer

Name: Jeff Schoeneck Signature Jeff Schoeneck

Address 1291 County Rd V City/State/Zip Fremont, NE 68025

Work Phone 402-720-9209

D. Engineer ☒ **Check and complete if engineer designed system** P.E. License Number: E8989

Designer Name Jeffery N Schoeneck Firm Horizon Envirotech, LLC Work Phone 402-720-9209

E. This system will serve a

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

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
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Date rec'd
Date frwd
ACTION ☐ Approved ☐ Disapproved
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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 Amount Paid
Received By Cash/Check No.

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

Form A Updated 1.13

Lincoln-Lancaster County Health Department
Environmental Public Health Division (402) 441-8027
3131 O Street Lincoln, Nebraska 68510-1514

ON-SITE WASTE WATER SYSTEM
CONSTRUCTION - INSTALLATION PERMIT
No. HS001962

System Type: Lagoon

Situs: No Site Address Specified

Description: NEMAHA RIDGE ADDITION, BLOCK 2, Lot 5

Issued: 3/17/2020
Expires: 3/17/2021

LINCOLN
LANCASTER COUNTY
HEALTH
DEPARTMENT

Owner: MADDEN, PATRICK REVOCABLE TRUST
3130 FOX HOLLOW RD
LINCOLN, NE 68506

Patricia D. Lopez
Patricia D. Lopez, RN, MSN, Interim 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.

Patricia D. Lopez
Patricia D. Lopez, RN, MSN
Interim Health Director

JEFF SCHOENECK
1291 COUNTY ROAD V
FREMONT, NE 68025

NEBRASKA

Good Life. Great Resources.

DEPT. OF ENVIRONMENT AND ENERGY

Construction Permit No. 20OWT011

is hereby issued to

Patrick Madden

for the

600 Gallon per Day Onsite Wastewater Treatment System for 17350 Red Sunset Ct, Bennet, NE

Description:

The new onsite treatment system will consist of a 2,000 gallon septic tank, an NSF 40 Certified Ecoflow EC7-600 Coco Filter, a Norweco BioDynamic Model LF-1000 Tablet Feeder, and a 70-gallon 4-chamber/channel chlorine contact tank connected in series, with surface discharge at the stream location shown on the approved plans. The system will operate through gravity flow with 4-inch SDR-26 PVC pipe installed at the elevations shown on the approved plans. A maintenance agreement with a certified authorized installer is recommended for the life of the system.

located at

17350 Red Sunset Ct, Bennet, NE 68317
NE1/4 SW1/4 Section 11, Township 8N, R8W, Lancaster County

Pursuant to a Delegation Memorandum dated July 1, 2019, and signed by the Director, the undersigned hereby executes this document on behalf of the Director.

Signed May 6, 2020

Shelley Schneider

Shelley Schneider, Water Permits Division Administrator

Suite 400, The Atrium, 1200 "N" Street, P. O. Box 98922, Lincoln, Nebraska, 68509-8922
Phone (402) 471-2186, Fax (402) 471-2909, e-mail ndee.moreinfo@nebraska.gov

Residential Wastewater System Design
17350 Red Sunset Ct, Benett, NE
2/14/2020

Site Conditions - Proposed 5-Bedroom Home on 3-Acre lot. Soils on lot tested > 60 min/in w/grade ranging from 8 to > 20%. The lot has (2) streams - (1) along the east property line, and (1) crossing the northern third of the lot. (2) neighboring lots have lagoons. Topography, distances to streams and setback to homes extremely limit options for placement of a sewage lagoon. Topography and slowly permeable clay soils prevent use of standard absorption laterals.

Proposed Onsite Wastewater Treatment System -

1. Septic Tank for Primary Treatment
2. Attached Growth Aerobic Filter for Secondary Treatment
3. Chlorine Tablet Disinfection
4. Discharge to receiving stream

Peak Daily Design Load - 5 Bedroom Home - 600 gpd

Primary Treatement - Propose 2,000 gallon septic tank

Secondary Treatment - Propose NSF 40-Certified Ecoflo EC7-600 (600 GPD) Coco Filter

Chlorine Disinfection -

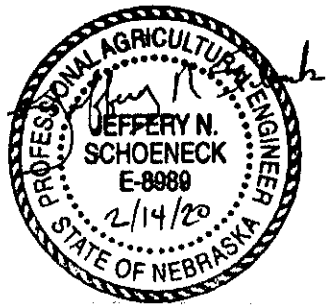
Propose Norweco BioDynamic Model LF 1000 (1,500 GPD) Tablet Feeder
Followed by 70-gallon (4) chamber/channel chlorine contact tank

Check contact chamber size - Design Parameters

1. Contact times between 15 and 30 minutes
2. L/W ratio between 10 and 40

Peak Hourly Flow Rate = 4 X Peak Daily Flow = 4 X 600 = 2400/1440 = 1.67 GPM
@ 30 minites detention, Volume = 1.67 X 30 = **50 gallons < 70 ===> OKAY**

Check L/W Ratio in Verical Plug Flow Chamber - in this case W = Cross Section Area
2 ft Diam X 3 ft deep Contact Tank Consists of (4) Quarter-circle Channels
Area of each channel = (3.14 X 1^2)/4 = 0.785 sq ft
L/W = 4 chambers X 3ft / 0.785 = **15.3 > 10 ===> OKAY**



17350 Red Sunset Ct - Wastewater System

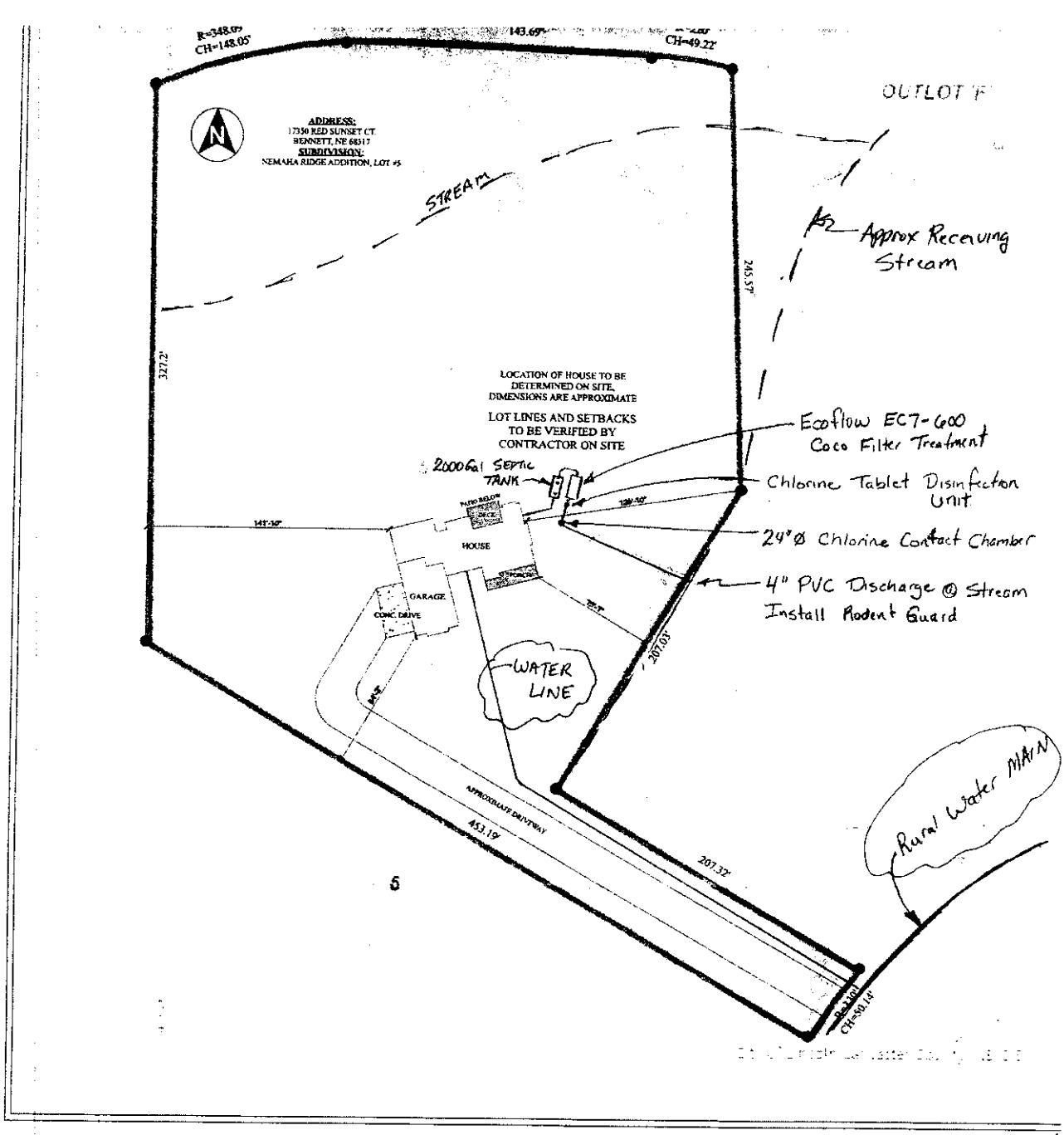
Treatment System Elevations	
DESCRIPTION	ELEVATION
Top of basement wall footing	100.00
A - Septic Tank Inlet	96.50
B - Septic Tank Outlet	96.34
C - EC7-600 Coco Filter Inlet	96.00
D - EC7-600 Coco Filter Outlet	92.10
E - Chlorinator Inlet	92.00
F - Contact Tank Inlet	89.50
G - Contact Tank Outlet	89.35
H - Dischage Pipe @ Stream (Approximate)	88.50
Stream Bed (Approximate)	87.00

Notes:

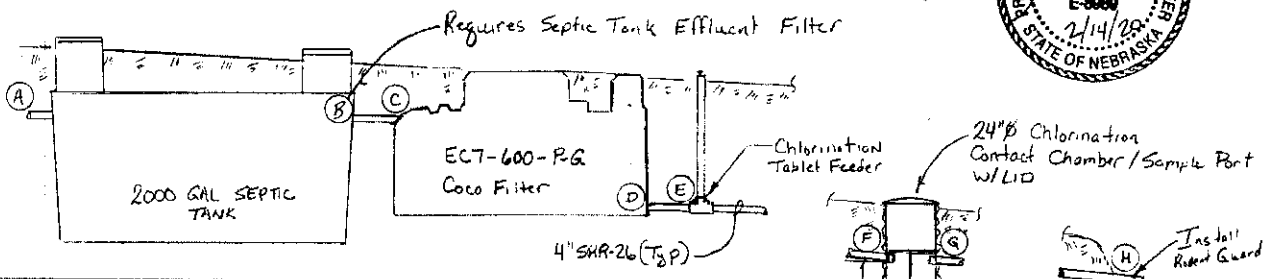
1. Actual Site Elevations to be verified/determined prior to system construction.
2. Contractor Responsible for Contacting 811 for Primary Utilities
3. Septic Permit and Inspections are also required from Lancaster County Health Department
   In addition, contractor to coordinate inspections with design engineer.
4. Septic Installation Shall Also Meet Minimum Requirements of NDEQ Title 124 and Shall
   Be Registered With NDEQ Onsite Department
5. Contractor to Warrant Workmanship Items for a Period of 2-Years (Equipment Warranties
   Limited To Mfg. Warranty Terms and Coverage)
6. Owner is required to maintain service contract with Certified Contractor for ongoing operation,
   maintenace, and discharge effluent sampling, testing and reporting, in compliance of NPDES Permit

Prepared By:

Jeffery N. Schoeneck, P.E.
Horizon Envirotech, LLC
1291 County Rd V
Fremont, NE 68025
402-720-9209
jeffhet@1791.com

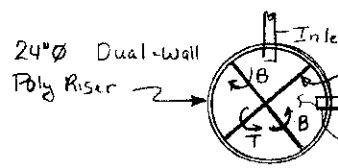


Treatment System Profile Drawing



PROFESSIONAL AGRICULTURAL ENGINEER
JEFFERY N. SCHOENECK
E-8060
2/14/20
STATE OF NEBRASKA

Chlorinator Contact Chamber Top View



B- WATER FLOWS Thru Opening of Baffle @ Bottom
T- WATER FLOWS Thru Opening of Baffle @ Top

END OF SECTION

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

SCANNED
SCANNED

A

Permit Number H5001962

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 17350 Red Sunset Ct (no rural route) City Benett NE Zip

Legal Description | 1/4 | 1/4 | Section | Township | Range | Subdivison | Addition | Block | Lot |
|---|---|---|---|---|---|---|---|---|
| | | 8 | 8 | Nemaha Ridge | Add | | 2 | 5 |

PID 21-11-202-005-000

B. Owner

Name Kenny German - Destiny Homes LLC Signature

Address 6901 NW 4th St City/State/Zip Lincoln, NE 68521

Home Phone Work Phone 402-910-4591

C. Certified Installer

Name: Jeff Schoeneck Signature Jeff Schoeneck

Address 1291 County Rd V City/State/Zip Fremont, NE 68025

Work Phone 402-720-9209

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 5 Whirlpool Bathtub? ☒ Yes ☐ No Total Acres 3

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 3/17/20
Date frwd 3/17/20
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 8/17/20

Business Office Use Only
Date Received 3-11-20 Amount Paid $430.00
Received By SKO Cash/Check No 004230

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

Form A Updated 1-13

see plans
Site
Flood water
Well

NATE HARTMAN

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

Send Copy of Registration to

A

HS001962

Permit Number

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PLEASE PRINT OR TYPE

A. Onsite System Location

Address 17350 Red Sunset Ct (no rural route) City Benett , NE Zip

Legal Description Nemaha Ridge 5

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

PID

B. Owner Madden, Patrick Revocable Trust - 3130 Fox Hollow Rd, Lincoln, NE 68506

c/o Name Kenny German - Destiny Homes LLC Signature

Address 6901 NW 4th St City/State/Zip Lincoln, NE 68521

Home Phone Work Phone 402-910-4591

C. Certified Installer

Name: Jeff Schoeneck Signature Jeff Schoeneck

Address 1291 County Rd V City/State/Zip Fremont, NE 68025

Work Phone 402-720-9209

D. Engineer ☒ Check and complete if engineer designed system P.E. License Number: E8989

Designer Name Jeffery N Schoeneck Firm Horizon Envirotech, LLC Work Phone 402-720-9209

E. This system will serve a

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

Garbage Grinder? ☒ Yes ☐ No

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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

Form A Updated 13

OCT 19 2020

#S001962

REGISTRATION TO THE ANNUAL MAINTENANCE PROGRAM AND WARRANTY ACTIVATION FORM FOR THE STATE OF IOWA / NEBRASKA

Dear Customer,

Congratulations and thank you for purchasing Ecoflo Septic System, a Premier Tech Aqua (PTA) treatment unit! We are honored to count you among the thousands of homeowners and families who trust PTA's technologies for their wastewater treatment needs. To activate your warranty and confirm your registration to our Annual Maintenance Program, it is important that you complete and return this form to PTA without delay. This document is a confirmation of your registration to our Annual Maintenance Program, which includes first, the System Start-Up Visit after the installation (a visit performed by a team member from Premier Tech Aqua, the manufacturer) and second, the maintenance for the following year. These services are included in the purchase price of the Ecoflo Septic System in territories where the service is available (see the Maintenance Program section on back for more details). The annual maintenance service needs to be provided year after year and for the life of your system by a qualified professional of PTA's one-of-a-kind network of local service partners.

IMPORTANT: As required by the local regulation in effect, it is your responsibility to ensure that your maintenance contract remains valid at all time, and that the contract agreement made with the manufacturer (PTA) not be interrupted. To make this a hassle-free process, PTA will send you a letter every year to remind you when it's time to renew your maintenance contract with us. Should you have any questions about our products or suggestions to improve our customer service, please do not hesitate to contact us at 1 800 632-6356 or send us an email to pta@premiertech.com. Follow Ecoflo® Biofilter on Facebook and YouTube or visit us on the web at ecoflobiofilter.com for news and information on onsite wastewater treatment and tips to ensue the long life of your septic system. We look forward to serving you, and we thank you again for choosing Premier Tech Aqua!

Customer's name _____

Address of the installation _____
Number Street

_____
City State Zip code

Mailing address (if different) _____
Number Street

_____
City State Zip code

Telephone _____
Home Office

Preferred means of communication ☐ Mail ☐ E-mail: _____

Number of Ecoflo® Biofilters ☒ 1 ☐ 2 ☐ Other: _____ Installation date 8/14/2020

Residence type ☐ Permanent ☐ Secondary

Type of installation ☐ New construction ☐ Repair of existing system

If waterfront ☐ Lake ☐ River

NPDES GP4 required
☒ Yes (By checking this box, PTA will cover the sampling service under additional fees)
☐ No

Please indicate if your property is not accessible by vehicle and indicate which means of transportation you will provide to make sure the maintenance visit can be performed by a PTA representative: ☐ Boat ☐ 4X4 ☐ Air: _____ ☐ None

Soil test performed by Heritage Excavation, LLC
Company's name

Plans designed by Heritage Excavation, LLC
Company's name

Installer Heritage Excavation, LLC
Company's name

STATE OF IOWA TERMS & CONDITIONS

OBLIGATIONS OF PREMIER TECH

1. Premier Tech agrees, after all applicable fees have been paid by the User, to perform the maintenance services of the Treatment Systems and other components identified on the front of this document (hereinafter referred to as « Treatment Systems ») installed on the property of the User for a period of one (1) year as required by the regulation in effect. Please refer to the Maintenance section of the Owner's Manual for more details regarding what is included and excluded in the maintenance service of your Treatment System.

2. The maintenance of the Treatment System must be performed by Premier Tech, a representative of Premier Tech or a qualified third party.

3. The price of the annual maintenance Agreement must be paid to Premier Tech by the User and renewed annually by the User. These costs cover the services detailed in the Owner's Manual. This amount does not include the cost of purchase, installation, replacement or any repair required on a Treatment System not covered by the manufacturer as per the terms of the Warranty Certificate of the system.

   For more information about the maintenance of your Treatment System, please consult the Owner's Manual or contact us at 1 800 632-6356 or 418 867-8883. One of our Customer Service representatives will be happy to assist you. Premier Tech and the User acknowledge that this Agreement is related to the purchase of a Treatment System by the User and that it is only valid if such a purchase was made.

OBLIGATIONS OF USER

4. The User agrees to provide a duly completed and signed copy of this Agreement to Premier Tech in order for the annual maintenance to be performed on the Treatment System and the warranty to be honored by Premier Tech. A valid maintenance Agreement being an essential condition to the validity of the warranty of the Treatment System (please refer to section 4 of the Certificate of Warranty).

5. When local regulation in effect requires it, the User agrees to provide a duly completed and signed copy of this Agreement to the municipality where the Treatment System was installed (please validate if this is necessary with your municipality).

6. The User agrees to grant access to the installed Treatment System to Premier Tech, its representative or a duly authorized third party in order for the maintenance to be properly completed. The lids of the Treatment System shall at all times remain accessible and free of any encumbrance. Additional fees will be charged to the User if the annual maintenance must be postponed as a result of the impossibility for Premier Tech, its representative or an authorized third party of accessing the Treatment System to perform the maintenance as planned.

7. Should access to the User's premises not be practicable for vehicles, the User agrees to provide Premier Tech, its representative or an authorized third party with reasonable and practicable access to the premises so that the services detailed in this Agreement can be performed.

8. The User acknowledges receipt of a copy of the Treatment System Owner's Manual from Premier Tech or the installer of the Treatment System. The User acknowledges having read and understood this document and agrees to comply with the directions and guidelines contained in the Owner's Manual regarding the use of the Treatment System.

9. The User hereby agrees to keep the Owner's Manual, the Annual Maintenance Program and Warranty Activation Form, the Warranty Certificate and the Proofs of Maintenance provided annually by Premier Tech, its representative or an authorized third party in a safe location. The User also agrees to provide these documents to any subsequent purchaser of the premises so that the new User can benefit from the PTA Maintenance Program, enjoy the protections offered by all Premier Tech warranties and be informed of the terms and conditions of the Warranty Certificate and all the obligations of the User of an onsite treatment system.

10. The User agrees to make no changes in the use or function of the building serviced by the purchased Treatment System, nor make any modification to the system's installation as originally specified and approved by the municipality under applicable laws and regulations. Any change or modification shall only be made if pre-authorized jointly by the municipality and Premier Tech. Any change or modification without prior authorization from Premier Tech will void the warranty of the Treatment System.

GOVERNING LAW AND JURISDICTION

11.1 This Agreement shall be governed by the laws in force in the State in which this Agreement has been entered.

11.2 The Parties agree, with respect to any claim or legal proceedings for any purpose whatsoever about this Agreement, to elect the county of Pottawattamie County (Iowa), as the proper forum for the hearing of said claims or said legal proceedings to the exclusion of any other judicial district which may have jurisdiction to hear such dispute per the requirements of the law.

RESPONSABILITIES OF MAINTENANCE PROVIDER

Equipment	Services
General	Accessibility to system
Septic tank	Visual inspection
	Tank condition
	Baffle condition
	Filter clean-up
Pump station (when applicable)	Visual inspection of water level
	General inspection
	Picture taken, if required
Ecoflo Biofilter	Inspection
	Tank condition
	Tipping bucket condition/functioning
	Distribution plates conditions/functioning
	Filtering media condition
	Racking of the filtering media
Drainfield	Seepage inspection
	Visual inspection of yard
Reporting	Completion of the WALTER Wastewater Treatment Script by the service partner (on the premises and from his service vehicle)
	Script for every equipment
	Pictures download
	Data transfer between PTA and the service provider (online)
	Report to customer, should this be required following the maintenance
	Report to authorities (at end of each season and upon request)

MAINTENANCE PROGRAM (START-UP MAINTENANCE AND ANNUAL VISIT)

Depending on the territories, the purchase price of the Ecoflo® Biofilter may include one of the two following maintenance services:

1. The fee of the Start-up maintenance of the system performed at the homeowner's property by a team member from Premier Tech Aqua, the manufacturer, within 60 days to the day the Ecoflo® Biofilter is in usage, to explain the functioning of the septic system and its annual maintenance program, and perform a visual inspection to verify that:

   a) the tipping bucket and distribution plates are properly in place
   b) the electrical equipment (if required) has been hooked-up
   c) guidelines regarding distances around the system and excessive weight on the unit have been respected

or

2. The fee of the first annual maintenance which will be performed by the local service partner during the year following the purchase of the system.

Contact the PTA Customer Service at 1 800 632-6356 for more details or if you have any questions.

IMPORTANT
The system Start-up maintenance visit consists of a visual inspection of the treatment system, is limited to products manufactured by Premier Tech Aqua and excludes any validation of its proper installation or the functioning of the treatment.