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

A

Permit Number HS001420

Tee 13 - Bathroom 2

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 9301 Firethorn Ln (no rural route) City Lincoln NE Zip 68520

Legal Description 2 (1/4) 9N (Section) 7E (Township) Firethorn (Range) 41st (Subdivison) (Addition) (Block) (Lot)

PID 16-02-109-004-000

B. Owner

Name Firethorn Golf Company LLC, Mark Wible Signature Mark Wible, Manager

Address 9301 Firethorn Ln City/State/Zip Lincoln, NE 68520

Home Phone Work Phone ~~402-310-1676~~ 488-6467 X.1 then X.164

C. Certified Installer

Name: Lloyd Jakoubek, Raymond Contracting Inc Signature Lloyd L. Jakoubek

Address 13800 NW 70th St City/State/Zip Raymond, NE 68428

Work Phone 402-890-6009 or 402-783-2663

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 Golf Course Patron Restroom Design flow in gallons per day 325

Type of Wastewater ☒ Domestic ☐ Non-Domestic Estimated 65 people per day @ 5 gallons per day

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 3-27-17 Amount Paid $215.00
Received By SB Cash/Check No. 11547

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

BA#16000 2 - Tee 13

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

B

Permit Number: HS001420

Onsite Wastewater Treatment System

Soil Evaluation Report

PLEASE PRINT OR TYPE

Onsite System Location

Address 9301 Firethorn Ln (no rural route) City Lincoln NE, Zip 68520

Owner Firethorn Golf Company Mark Wible Address Same

Date of Tests 3/23/17 to 3/24/17 Weather: Precipitation 0 Temperature 48°

Percolation Test Data Table

A.	B.	C.	D.	E.	F.	G.	H.	I.	J.	K.	L.	M.	N.
		Saturation/Swelling Time				Water Level Drop: Last 30 mins of 4 hr or last 10 mins of 1 hr					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)	Initial Water Lev (in.)	Date (Mo/Da)	Time (Hr/Min)	Elapsed Time Interval	Water Level Drop (in)	Percolation Rates (Min/in = mpi)
1	22	3/23	8:00a	3/23	12:00p	3/24	11:45a	6	3/24	12:15p	30	7/8	34
2	26	"	"	"	"	"	"	6	"	"	"	5/8	48
3	20	"	"	"	"	"	"	6	"	"	"	5/8	48
								6					
								6					
								6					
								6					
								6					

Person Conducting Percolation Test

Name: Terri L Jakoubek, Raymond Contracting, Inc.

Phone: 402-783-2663 or 402-890-6009

Address 13800 NW 70th St
Raymond, NE 68428 Cert #1198

Sum of Percolation Rates: 130

Average of Rates: 43

Rate Used for Calculation: 43

Soil type (NRCS Maps/Other) Aksarben SCL

Groundwater Depth >8'

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Comments (Soil type, groundwater, floodplain, etc.)

Signature of Reviewing Official Date

Onsite Form B 12_06

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

C

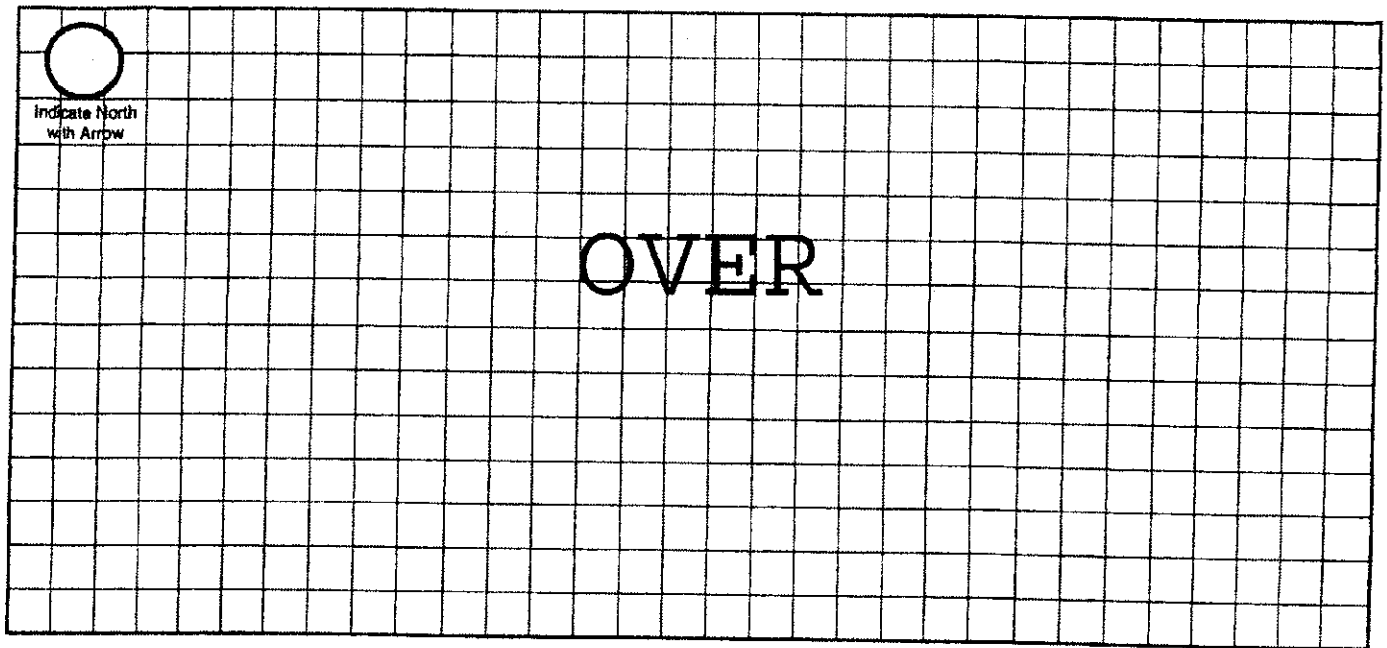
Permit Number: HS001420

Tee 13 - Bathroom 2

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) 9301 Firethorn Ln City Lincoln NE, Zip 68520

B. Proposed Septic Tank/s

Septic Tank Cap. 1,000 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 43 (min/inch = mpi) No. of Bedrooms _____ Soil Type Pawnee CL/Loamy Land Slope _____ %

☒ Trench ☐ Bed ☐ Non-Standard (engineer designed and NDEQ approved Total Square feet of drainfield 810 sq.ft.

Total length of laterals 180' Type of distribution: ☐ Perforated pipe ☐ Half-Round ☐ Chamber ☒ Other

No. of absorption trenches 4 Width 40" No. of drop boxes 1 Distrubtion Box EZFlow 1203H

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

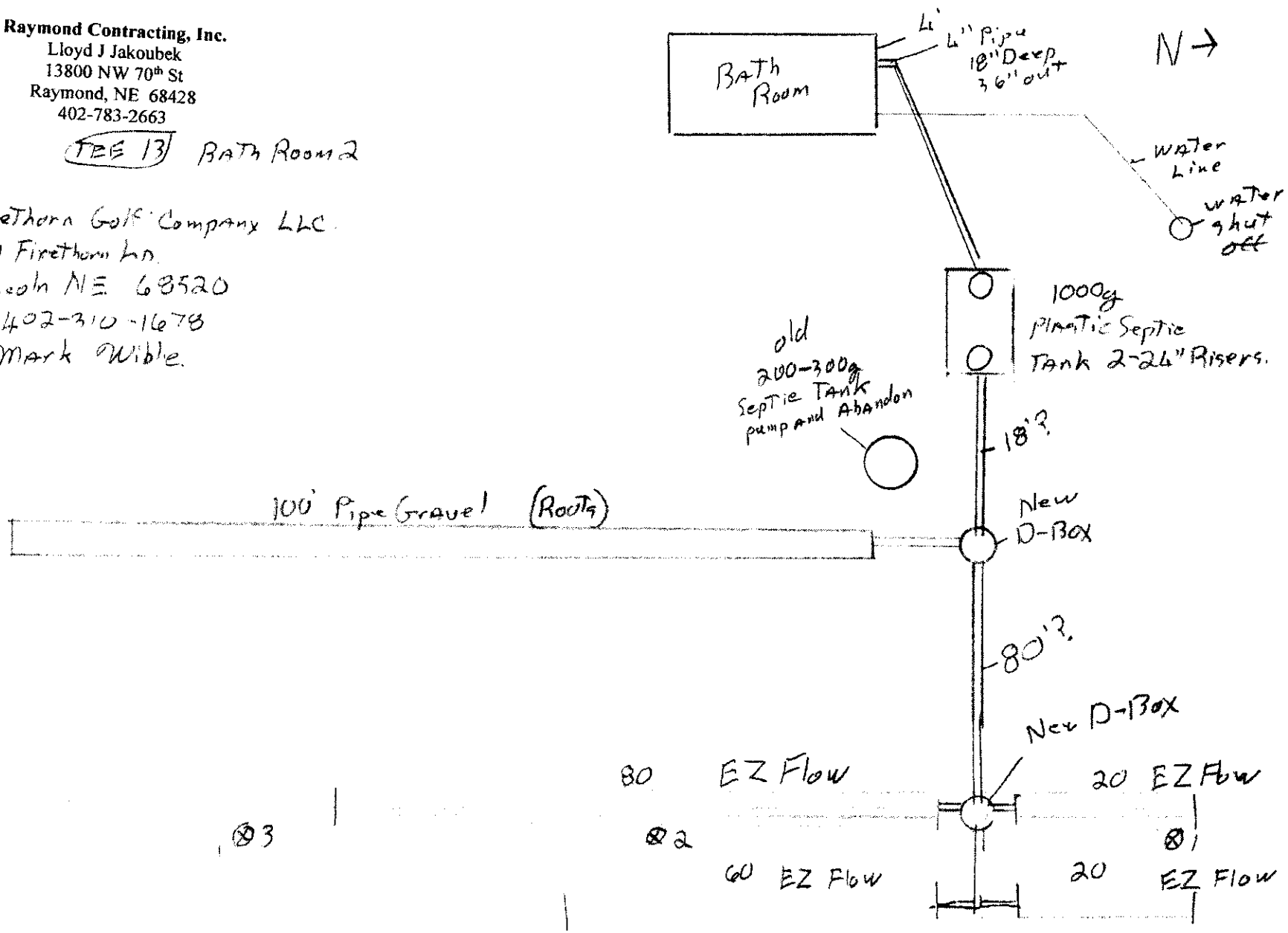
Home Building Contractor Existing Date _____

Installer [signature] Date 3/22/12

Raymond Contracting, Inc.
Lloyd J Jakoubek
13800 NW 70th St
Raymond, NE 68428
402-783-2663

TEE 13 BATH Room 2

FireThorn Golf Company LLC
9301 Firethorn Ln.
Lincoln NE 68520
402-310-1678
Mark Wible.



EPA manual

Typical flow rates in gpd

public lavatory	5
Bar	3
fair ground visitor	2
Picnic Park visitor	8

Average 5 gpd

Annually

14.000 rounds - male
2.560 " - female
16,560

9 months of use 16,560/9 = 1,833 rounds per month

30 days per month 1,833/30 = 61.1 rounds per day

65 people per day × 5 gpd per person = 325 gpd

Tournament days - 144 people max

27 mpi
562 ◻
155' chambers
130' EZ Flow

43 mpi
743 ◻
305' chambers
170' EZ Flow

60 mpi
Epcon Bathroom
1,000 Gallon Tank
790 ◻ of Drainfield
220' Chambers (14.5 cus)
180' EZ Flow (14.5)

MAY 08 2017

emailed 3/27/17 cc $215.00

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

A

Permit Number HS001420

Tee 13 - Bathroom 2

Onsite Wastewater Treatment System
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PID 16-02-109-004-000

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Name Firethorn Golf Company LLC, Mark Wible Signature Mark Wible, Manager

Address 9301 Firethorn Ln City/State/Zip Lincoln, NE 68520

Home Phone _____ Work Phone ~~402-310-1670~~ 488-6467 X.1 then X.104

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Name: Lloyd Jakoubek, Raymond Contracting Inc Signature _____

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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 5-11-17 Amount Paid $1680.00
Received By SB Cash/Check No. 9142

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

Form A Updated 1/13

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

dLG
5/3/17

D Exhibit 4

Permit Number:

Tee 13 #2

Onsite Wastewater Treatment System
As-Built Description and Drawing

Type of Onsite Wastewater System: ☐ Lagoon (Skip to Back Page) ☒ Subsurface Septic ☐ Mound

Onsite Wastewater System Location 16-02-109-004-000

Address or Legal Description or Parcel Identification Number (PID) 9301 Firethorn Ln, Lincoln, NE 68520

Owner: Firethorn Golf Company Address Same
Mark Wible

A. Wastewater Piping

1. Material: SDR 26 Diameter: 4 in.
2. Distance between dwelling and septic tank: 10 ft.

B. Septic Tank

1. Material Neoguard plastic
2. Capacity: 1,000
3. Depth to top of tank, below unfinished grade: 12 in.
4. Distance to:
   Well N/A ft.
   Pressure line N/A ft
   Property Line 100 ft.
   Foundation 10 ft.

C Distribution Box or Drop Box

Distance and Direction from septic tank: 76 ft. E

D. Drainfield/Absorption Field

☒ Trench ☐ Bed

1. Type: ☐ Perforated Pipe ☐ Chamberless ☒ Other
   Material brand and inside width of Chamberless: EZFlow 1203H
2. Number of Laterals: 2
3. Length of each lateral (linear): ft. 80 ft. 100 ft. ____ ft. ____
4. Drainfield size: 810 sq. ft.
5. Distance to:
   Well N/A ft.
   Pressure line N/A ft.
   Property line 100 ft.
   Depth of Groundwater 2.8'

Was the Onsite Wastewater System covered prior to LLCHD inspection? ☒ Yes ~~☐ No~~ Partially

NH System covered prior to Inspection - NH

If Yes, the Certified Professional must sign below for final approval:

I swear and affirm that the system complies with Lincoln Municipal Code (LMC) 24.38 and/or County Resolution R-13-0062 requirements and that the information and documentation submitted are true and accurate.

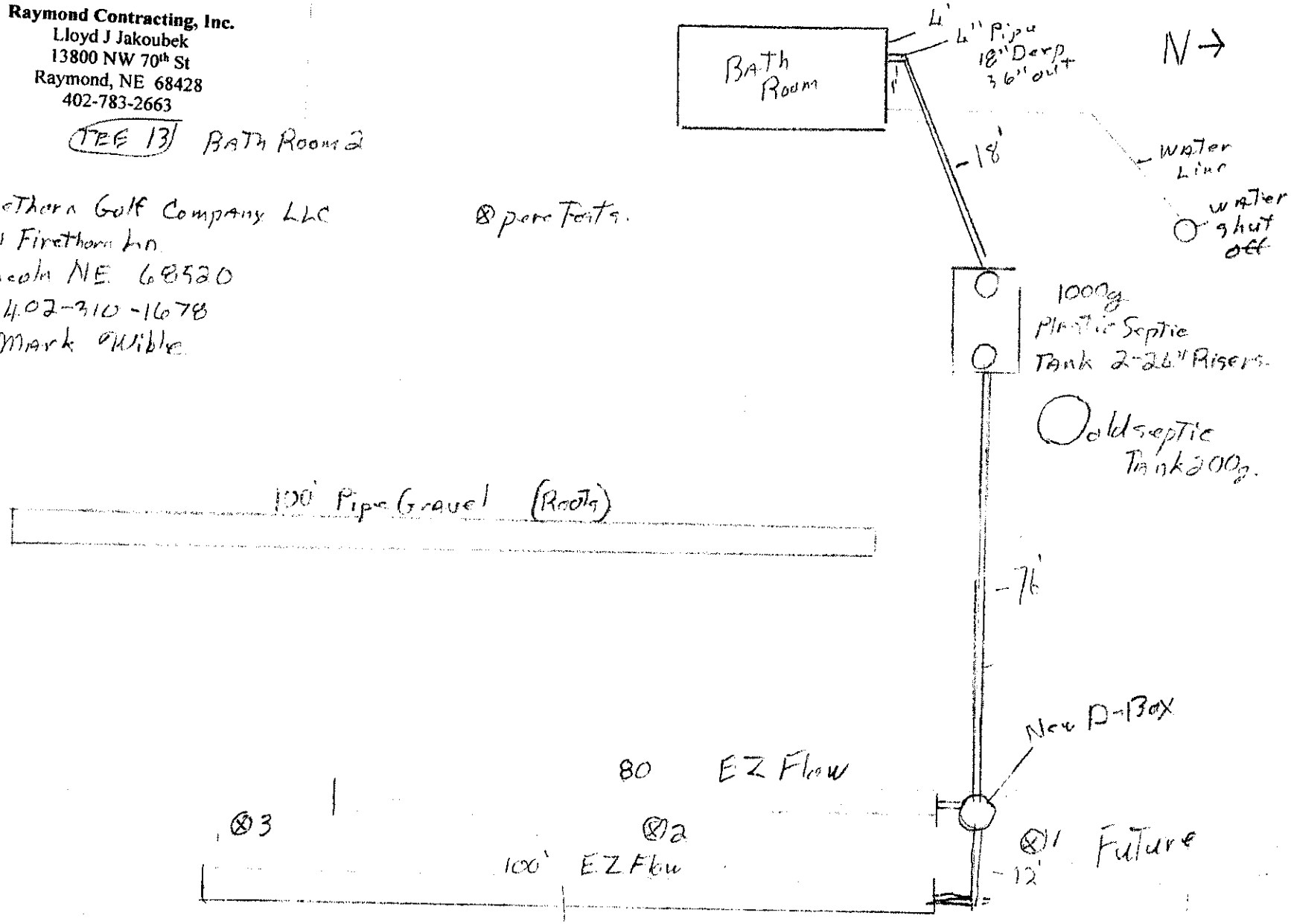
Certified Professional Signature: Kevin L. Johnson Date: 4/19/2017

Complete As-Built drawing on the back of this form.

Raymond Contracting, Inc.
Lloyd J Jakoubek
13800 NW 70th St
Raymond, NE 68428
402-783-2663

TEE 13 BATH Room 2

Firethorn Golf Company LLC
9301 Firethorn Ln
Lincoln NE 68520
402-310-1678
Mark Mible



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. HS001420

System Type: Standard

Situs: 3033 S 88 ST, LINCOLN, NE

Issued: 5/18/2017

Expires: 5/18/2018

Description: FIRETHORN 41ST ADDITION, Lot 4

Owner: FIRETHORN GOLF COMPANY LLC
ATTN: MARK A WIBLE 9301
FIRETHORN LN
LINCOLN, NE 68520

Charlotte Burke

Charlotte Burke, MS, RD, 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.

Charlotte Burke

Charlotte Burke, MS, RD
Interim Health Director

RAYMOND CONTRACTING
13800 NW 70TH ST
RAYMOND, NE 68428