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

A

Permit Number #8001840

Existing Home

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) Mound System

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 6700 Prairie Rim Rd (no rural route) City Lincoln, NE Zip 68526

Legal Description SE (1/4) 13 (1/4) 9N (Section) 7E (Township) Hidden Valley Acres (Range) 5 (Subdivison) 6 (Addition) (Block) (Lot)

PID 16-13-405-006-000

B. Owner

Name Scott & Sally Heasty Signature

Address 6700 Prairie Rim Rd City/State/Zip Lincoln, NE 68526

Home Phone 402-440-8452 Work Phone

C. Certified Installer

Name: Lloyd Jakoubek, Raymond Contracting Inc Signature

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 4 Whirlpool Bathtub? ☐ Yes ☒ No Total Acres 3.17

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 ACTION ☐ Approved ☐ Disapproved

Site visits Date rec'd Signature

Date frwd

Comments

2. Supt. Bldg. Insp. or Village Clerk ACTION ☐ Approved ☐ Disapproved

Comments Date rec'd Signature

Date frwd

3. City or County Engineer ACTION ☐ Approved ☐ Disapproved

Comments Date rec'd Signature

Date frwd

Installation Final Written Approval

By

Date

Business Office Use Only

Date Received 6-14-19 Amount Paid $420 CC

Received By JAC Cash/Check No 4646

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

emailed to Donna Peterson
5/15/19 pages 1-6

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

B

Permit Number:

Onsite Wastewater Treatment System

Soil Evaluation Report

PLEASE PRINT OR TYPE

Onsite System Location

Address 6700 Prairie Rim Rd (no rural route) City Lincoln NE, Zip 68526

Owner Scott & Sally Heasty Address 6700 Prairie Rim Rd, Lincoln, NE 68526

Date of Tests 4/23/19 to 4/24/19 Weather: Precipitation 0 Temperature 70°

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		Initial	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 Interval	Water Level Drop (in)	Percolation Rates (Min/in = mpi)
1	22	4/23	10:00a	4/23	2:00p	4/24	3:00p	6	4/24	3:30p	30	1-1/8	27
2	22	"	"	"	"	"	"	6	"	"	"	1-1/4	24
3	12	"	"	"	"	"	"	6	"	"	"	1/2	60
4								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: 111
Average of Rates: 37
Rate Used for Calculation: 60 (20 mpi variance)

Soil type (NRCS Maps/Other) Clay Loam

Groundwater Depth 48"

DO NOT WRITE BELOW THIS LINE

Reviewing Action

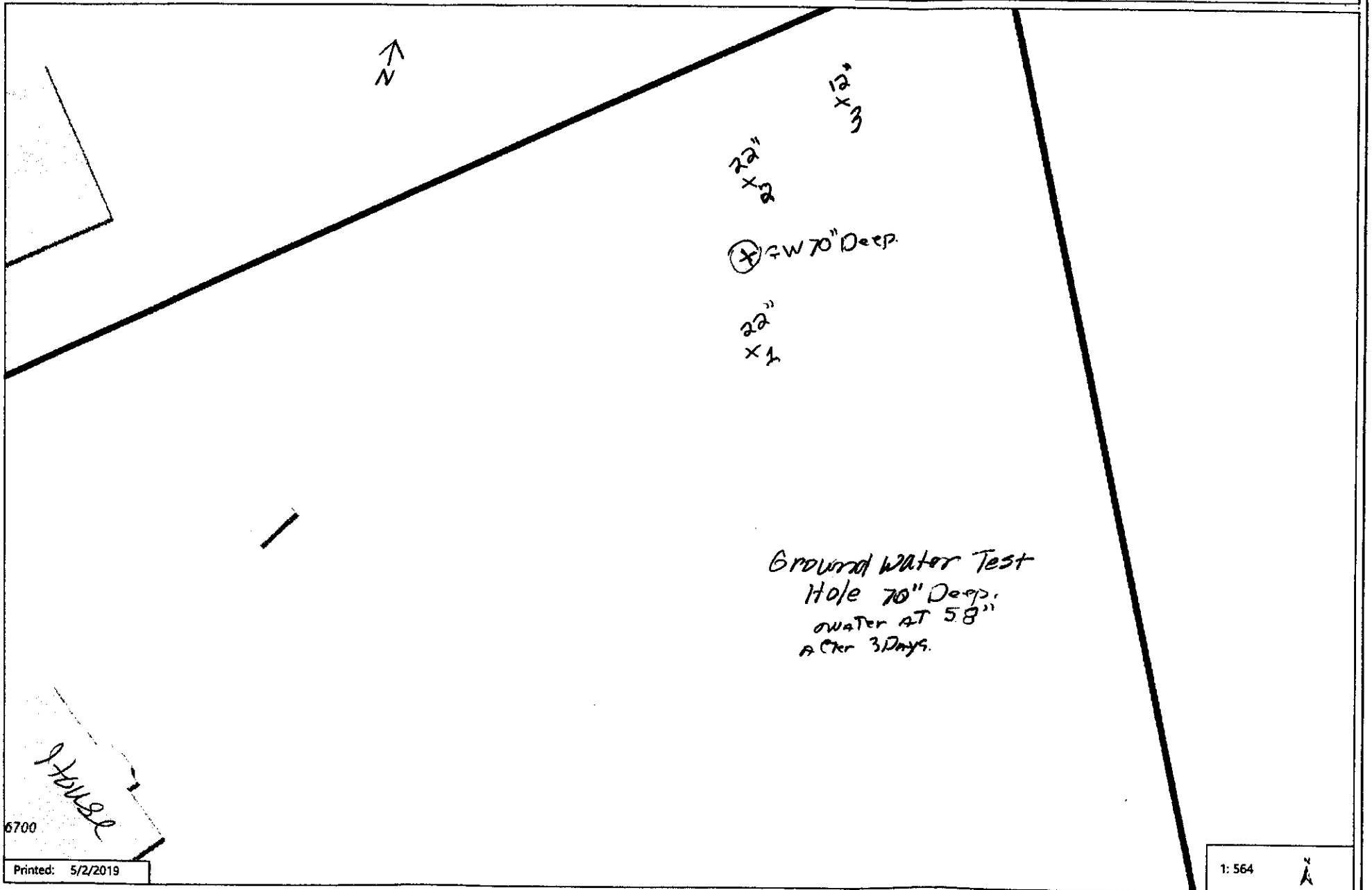
Comments (Soil type, groundwater, floodplain, etc.)

Signature of Reviewing Official Date

Sally **Heasty 6700 Prairie Rim Rd, Lincoln, NE 68526** 402-440-8452

GIS Viewer
CITY OF LINCOLN - LANCASTER COUNTY, NE

City of Lincoln\Lancaster County GIS Map



Printed: 5/2/2019

1: 564

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2

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

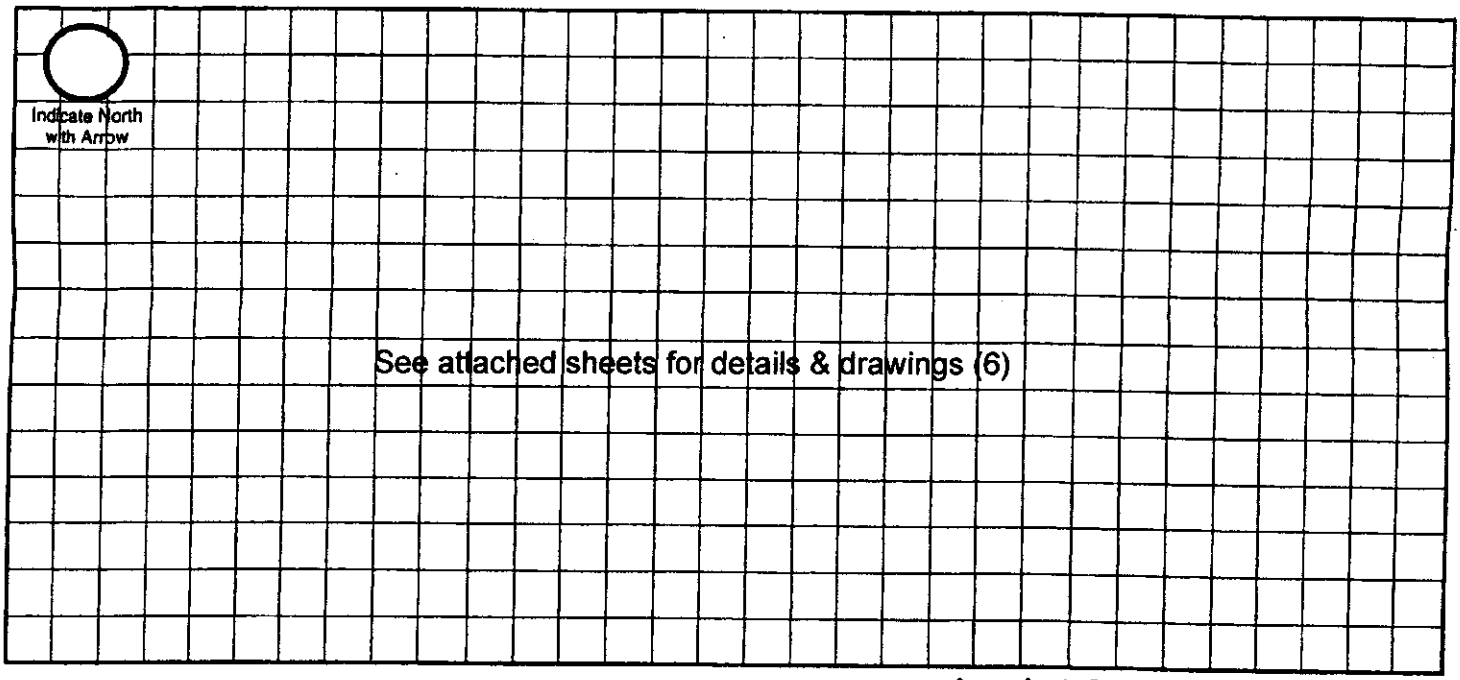
C

Permit Number:

Onsite Wastewater Treatment System

Preliminary Plan Specifications

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



Approximate Scale: _____ft. = _____ grid line/s

A. Onsite System Location

Address (no rural route) 6700 Prairie Rim Rd City Lincoln NE, Zip 68526

B. Proposed Septic Tank/s

Septic Tank Cap. 1,000 gals Tank Material: ☒ Concrete ☐ Plastic ☐ Other_____ ☐ Lagoon(Max. seepage 1/8" per day)
and 1,500 - 2 compartment septic & pump tank

C. Reserve Area for Replacement Onsite System

☐ Drainfield Absorption Area (percolation test required) ☐ Lagoon

D. Drainfield Absorption System

Percolation Rate 60 (min/inch = mpi) No. of Bedrooms 4 Soil Type CL/SL Land Slope 4 %

☐ Trench ☐ Bed ☐ Non-Standard (engineer designed and NDEQ approved Total Square feet of drainfield_____sq.ft.

Total length of laterals_____ Type of distribution: ☐ Perforated pipe ☐ Half-Round ☐ Chamber ☐ Other

No. of absorption trenches_____ Width_____ No. of drop boxes_____ Distrubtion Box_____

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 Home Date _____

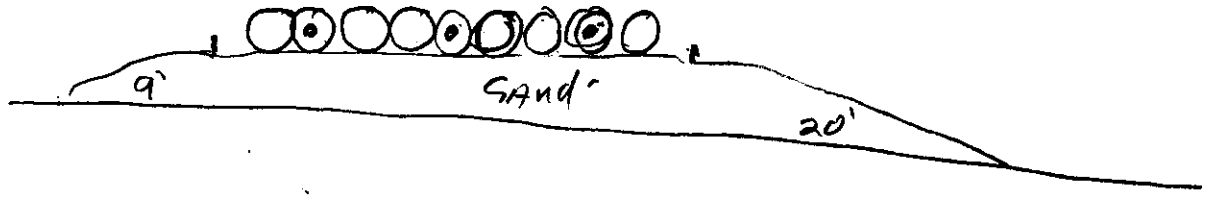
Installer _____ Date 4/13/14

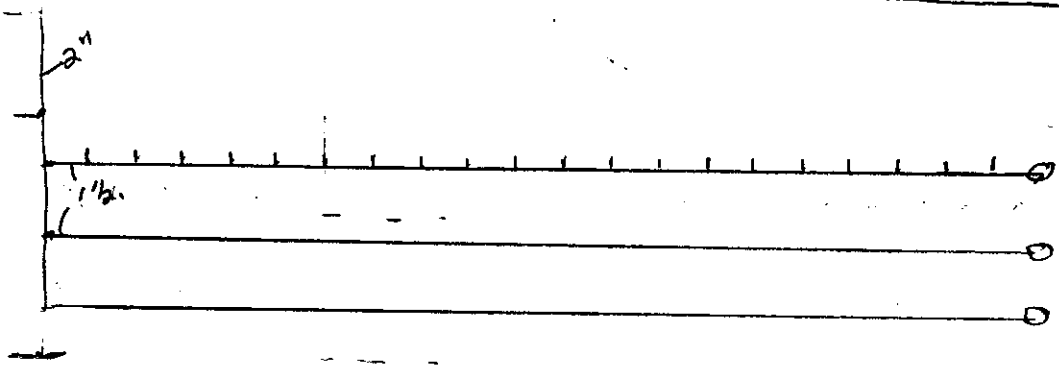
Onsite Form C 12-06

Has 1000g Tank.
Needs 2 Riser 18"
Electrical For Hot Tub
Back Porch

7501 Pawnee Ct. 4-8% Slope.
4 Bed Room
Y - Disposal. 60 MPI
N O/S Tub
Ground Water at 58"

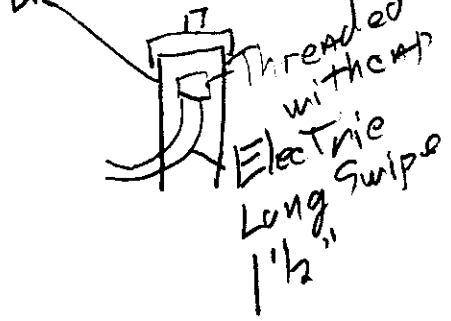
Supply Pipe 2"
manifold 2"
Lateral 1½"
3/16" Holes





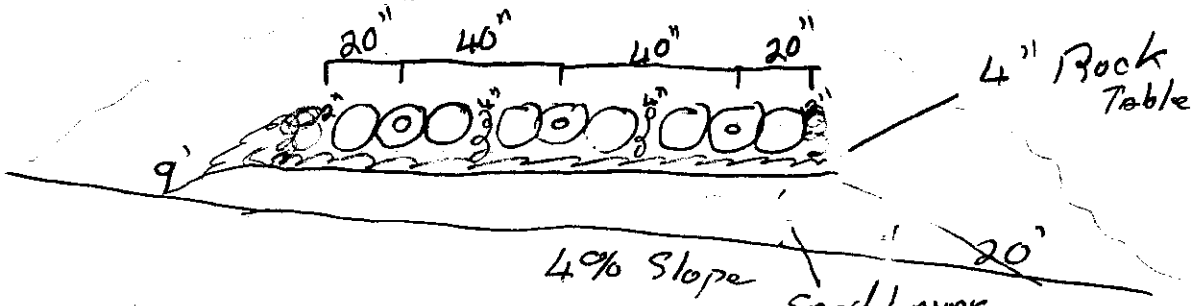
1"2 T (10)
1½ coupling (6)
1½ Long Swips. (3)
1½ Threaded couplers. (3)
3 Plugs.

Sand. 64 x 39 x 12" 100 yards x 1,35 = 135 Ton. 4,5 Truck + Pup. Side Dumps.

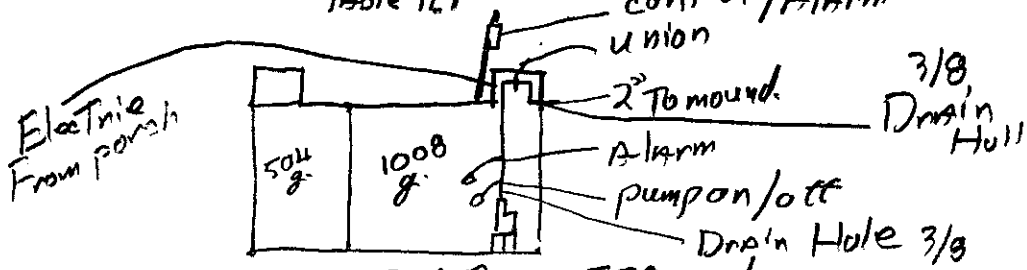


60
80

2 - 2" - 1½" T"
1 - 2" - 1½ 90°
2" pipe.
3 2" 45°
2 2" 22°
1 - 2" union
3 2" 90°



2" Supply
2" Manifold
1½ Lateral
3/16 Holes.



4 Bed Room 500 gpd.
500 ÷ 3 = 170 gallon per pumpon.
170 ÷ 2345

2" pipe 100' = 17.43 gallon.
1500 2com
Tank. 1008 ÷ 43" = 23.45 gallon a Inch.
504

170 = (7½" of Float Tether)
9" Drain Back 3/8" Holes.
9" x 23.45 = (211.05 gallon per cycle
(9" Tether.)

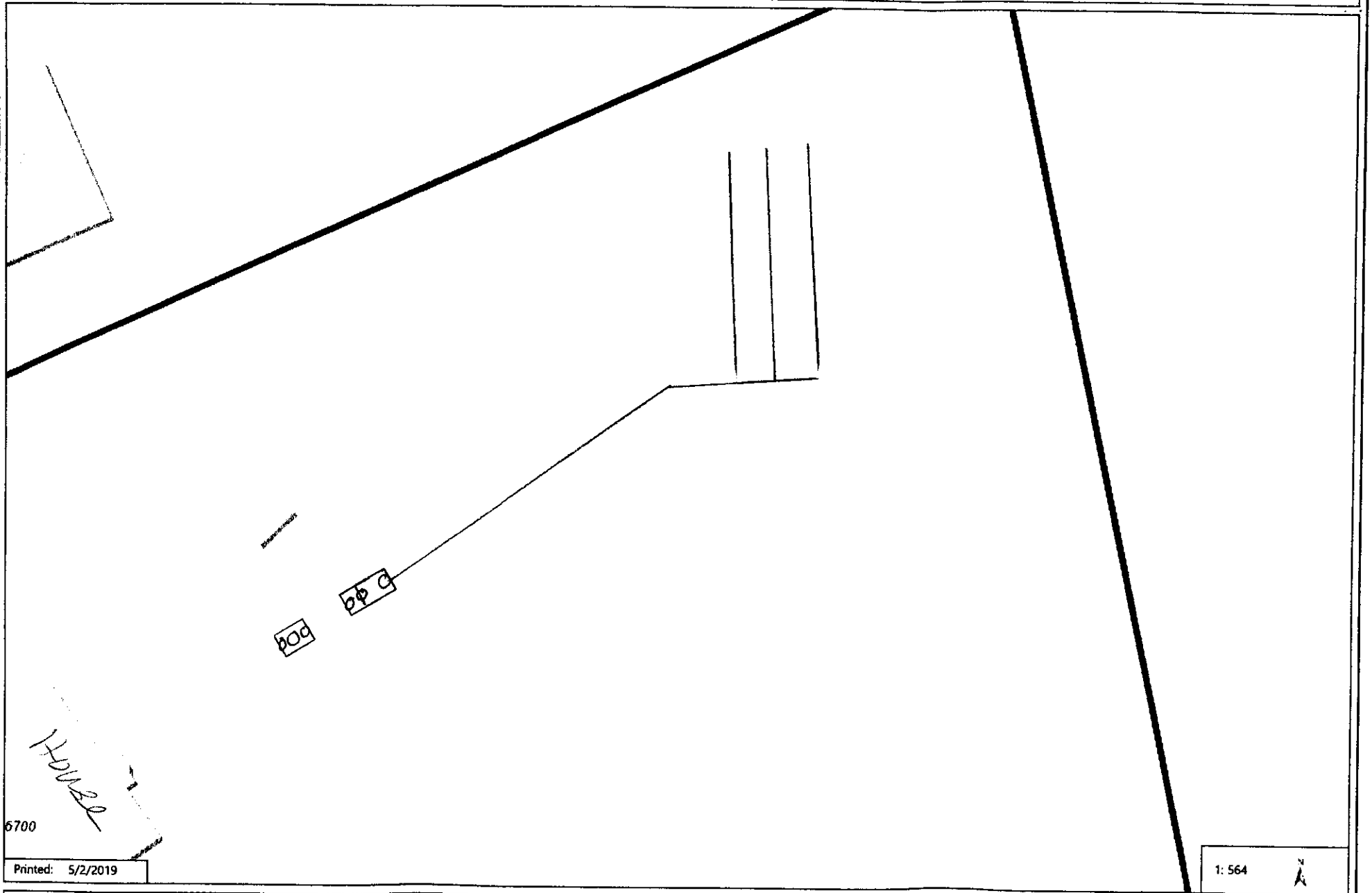
Scott/Sally Heastx
6700 Prairie Rim Rd.
Lincoln NE 68526
60 mpI
4 Bed Room y-D/N-T
1500g Tank.
1000g pump Tank.

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

Sally **Heasty 6700 Prairie Rim Rd, Lincoln, NE 68526** 402-440-8452

GIS Viewer
CITY OF LINCOLN - LANCASTER COUNTY, NE

City of Lincoln\Lancaster County GIS Map



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h

Table 11.5 - Mound Dimensions for Ground Slope of >3% to 5%

Depth to Seasonal High Ground-water (ft)	Percolation Rate (m.p.i.)	Bed-rooms	Flow (gpd)	Sand Layer Height (ft)	Total Berm Height (ft)	Total Mound Width (ft)	Total Mound Length (ft)	Rock Bed Length (ft)	Uphill Berm Width (ft)	Downhill berm width (ft)	End Berm Width (ft)
< 1.0	Construction permit required if less than 12 inches to seasonal high groundwater.										
≥ 1.0 and < 2.0	0 to 30	1	200	3	5	44	49	17	14	20	17
		2	300	3	5	44	57	25	14	20	17
		3	400	3	5	44	65	33	14	20	17
		4	500	3	5	44	74	42	14	20	17
		5	600	3	5	44	82	50	14	20	17
	31 to 60	1	200	3	5	44	49	17	14	20	17
		2	300	3	5	44	57	25	14	20	17
		3	400	3	5	44	65	33	14	20	17
		4	500	3	5	44	74	42	14	20	17
		5	600	3	5	44	82	50	14	20	17
≥ 2.0 and < 3.0	0 to 30	1	200	2	4	37	43	17	11	16	14
		2	300	2	4	37	51	25	11	16	14
		3	400	2	4	37	59	33	11	16	14
		4	500	2	4	37	68	42	11	16	14
		5	600	2	4	37	76	50	11	16	14
	31 to 60	1	200	2	4	41	43	17	11	20	14
		2	300	2	4	41	51	25	11	20	14
		3	400	2	4	41	59	33	11	20	14
		4	500	2	4	41	68	42	11	20	14
		5	600	2	4	41	76	50	11	20	14
≥ 3.0 4%	0 to 30	1	200	1	3	32	39	17	9	13	11
		2	300	1	3	32	47	25	9	13	11
		3	400	1	3	32	55	33	9	13	11
		4	500	1	3	32	64	42	9	13	11
		5	600	1	3	32	72	50	9	13	11
	31 to 60	1	200	1	3	39	39	17	9	20	11
		2	300	1	3	39	47	25	9	20	11
		3	400	1	3	39	55	33	9	20	11
		4	500	1	3	39	64	42	9	20	11
		5	600	1	3	39	72	50	9	20	11

5

Table 11.6 - Minimum Force Main Size (inches) – Schedule 40 PVC Pipe

Pumping Rate (gpm)	Total Force Main Length (ft)		
	0 to 100	>100 to 300	>300 to 500
0 to 20	1 1/4	1 1/2	2
>20 to 40	1 1/2	2	2 1/2
>40 to 60	2	2 1/2	3

Table 11.7 – Design Requirements for Rock Bed Lateral Pipe, Dose Pump, and Pump Tank

Bed-rooms	Flow (gpd)	Rock Bed Length (ft)	End Spacing * (ft)	Number of 3/16" Diameter Holes per Lateral	Number of Spaces at 24" Centers	Minimum Pump Capacity (gpm)	Minimum Pump Discharge Pressure Head ** (ft)	Gallons Pumped per Dose (gal)	Minimum Pump Tank Capacity (gal)
1	200	17	1.5	8	7	15	7 ft + H	70	500
2	300	25	1.5	12	11	22	9 ft + H	95	500
3	400	33	1.5	16	15	29	10 ft + H	120	500
4	500	42	2.0	20	19	36	12 ft + H	145	750
5	600	50	1.0	25	24	44	15 ft + H	170	750

* End Spacing is the distance from either end of the rock bed to the nearest lateral pipe orifice.
** H is the elevation difference between the pump intake and the top of the rock bed.

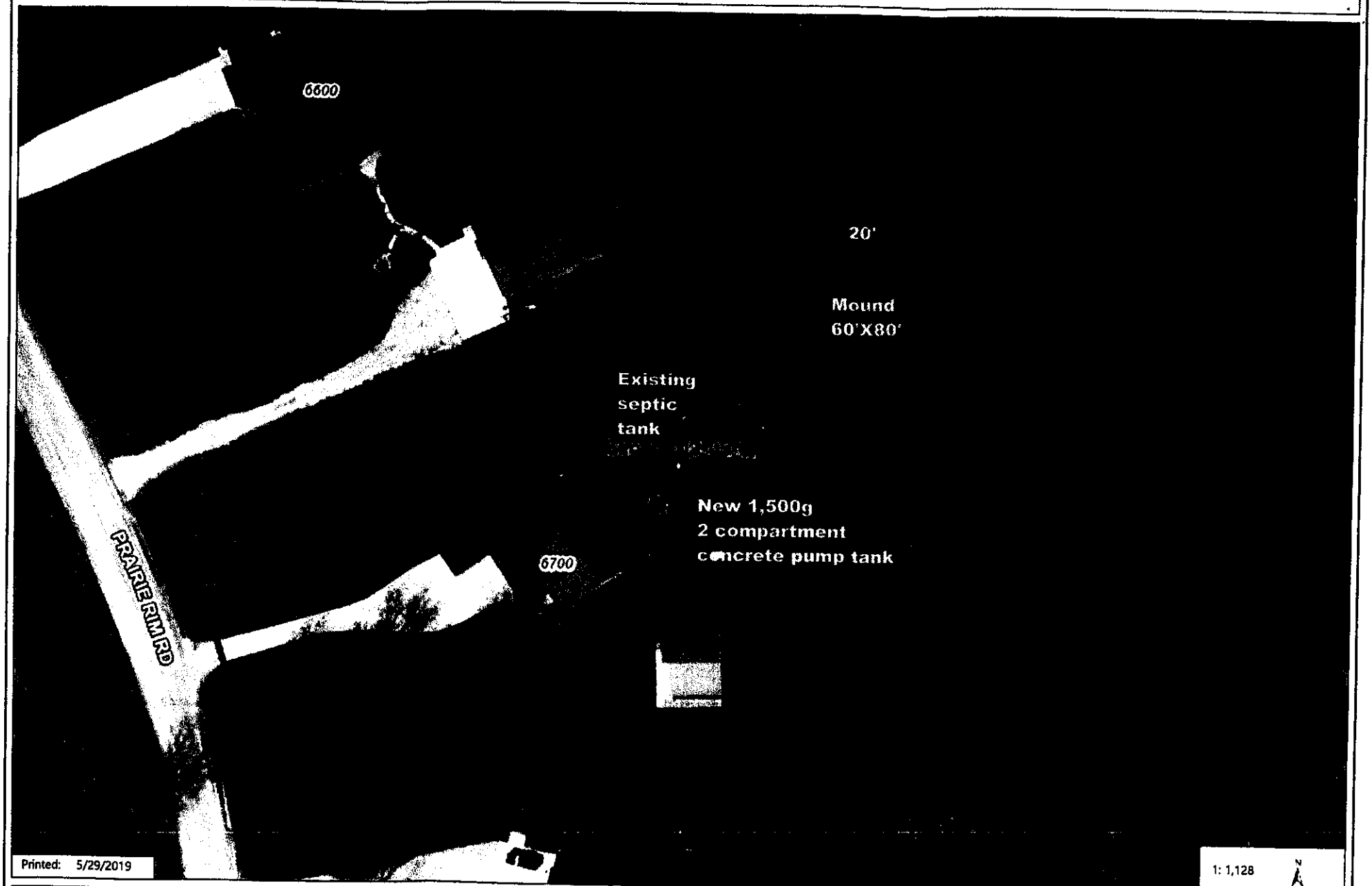
Enabling Legislation: Neb. Rev. Stat. §81-1505(8).

Legal Citation: Title 124, Ch. 11, Nebraska Department of Environmental Quality.

6

GIS Viewer
CITY OF LINCOLN - LANCASTER COUNTY, NE

City of Lincoln\Lancaster County GIS Map



Printed: 5/29/2019

1: 1,128

N

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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. HS001840

System Type: Mound System

Situs: 6700 PRAIRIE RIM RD, LINCOLN, NE 68526

Issued: 6/14/2019

Expires: 6/14/2020

Description: HIDDEN VALLEY ACRES, BLOCK 5, Lot 6

Owner: HEASTY, SCOTT A & SALLY A
6700 PRAIRIE RIM RD
LINCOLN, NE 68526

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

RAYMOND CONTRACTING INC
13800 NW 70TH ST
RAYMOND, NE 68428

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

SCANNED

A

Permit Number HS0018340

Existing Home

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) Mound System

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 6700 Prairie Rim Rd (no rural route) City Lincoln, NE Zip 68526

Legal Description SE 13 9N 7E Hidden Valley Acres 5 6
(1/4 | 1/4 | Section | Township | Range | Subdivison | Addition | Block | Lot)

PID 16-13-405-006-000

B. Owner

Name Scott & Sally Heasty Signature [signature]

Address 6700 Prairie Rim Rd City/State/Zip Lincoln, NE 68526

Home Phone 402-440-8452 Work Phone

C. Certified Installer

Name: Lloyd Jakoubek, Raymond Contracting Inc Signature [signature]

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 4 Whirlpool Bathtub? ☐ Yes ☒ No Garbage Grinder? ☒ Yes ☐ No Total Acres 3.17

☐ 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. 02-38

1. Health Department
Site visits
Comments
Date rec'd 6/13/19
Date frwd 6/14/19
ACTION ☒ Approved ☐ Disapproved
Signature [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 ~~Prior Written Approval~~
By [signature]
Date 9/3/19 - see as built sheets

Business Office Use Only
Date Received 6-14-19 Amount Paid $420
Received By [signature] Cash/Check No check

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

+ State Inspected / Training class system - DA 9/3/19

Nate C. Hartman

From: Terri Jakoubek <jakoubek63@windstream.net>
Sent: Friday, August 16, 2019 9:51 AM
To: Nate C. Hartman
Cc: Doug R. Smith
Subject: 6700 Prairie Rim Rd D-Sheet (Mound)
Attachments: 6700 Prairie Rim Rd D-Sheet (Mound).pdf

Mound System "D-Sheet" HS001840 attached. Sorry for taking so long to get this to you!!

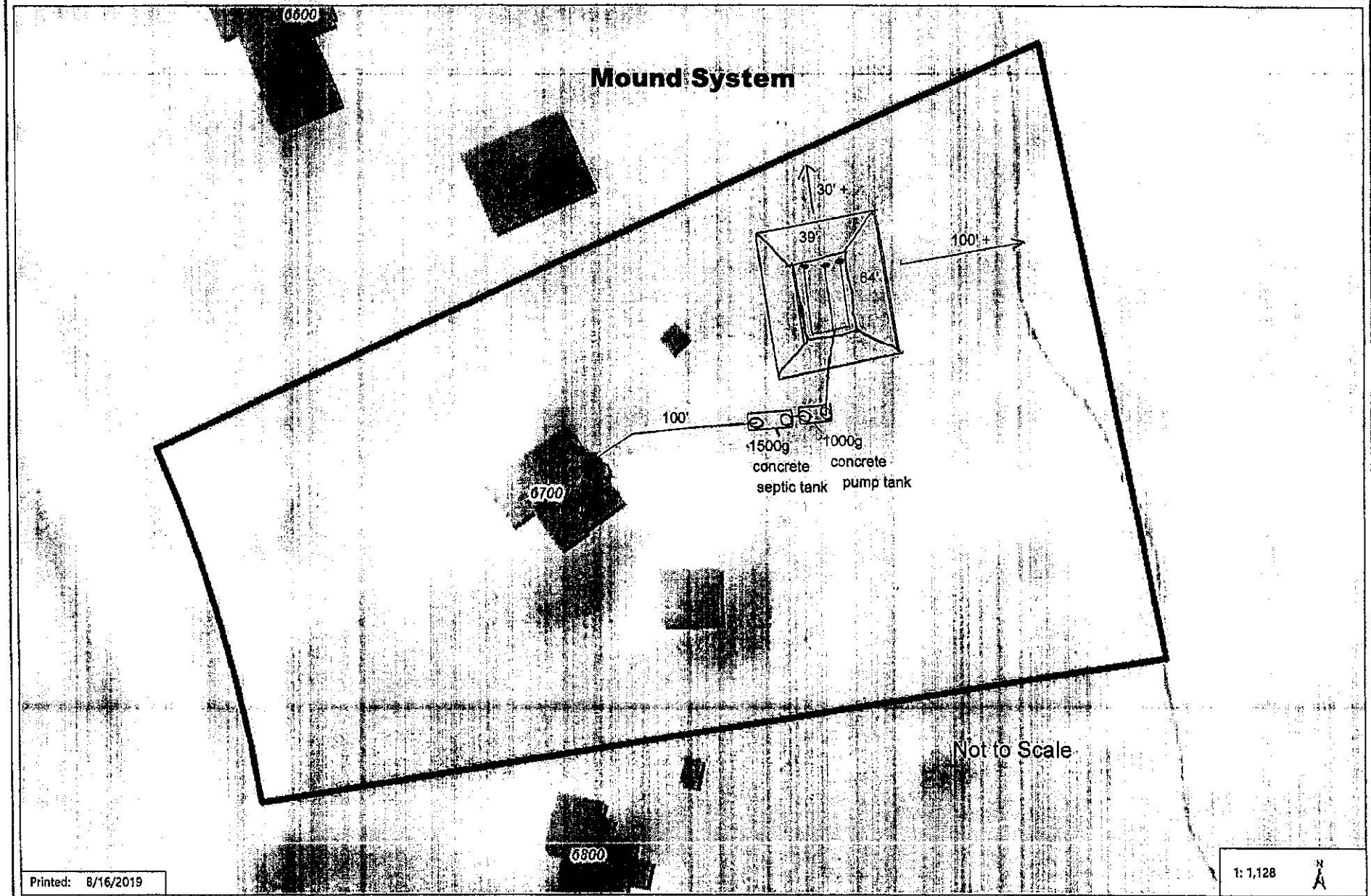
Thanks,

Terri Jakoubek
Raymond Contracting, Inc.
13800 NW 70th St
Raymond, NE 68428
402-783-2663 (Office)
402-783-2341 (Fax)
402-890-3870 (Mobile)
jakoubek63@windstream.net

6700 Prairie Rim Rd, Lincoln, NE 68526

GIS Viewer
CITY OF LINCOLN - LANCASTER COUNTY, NE

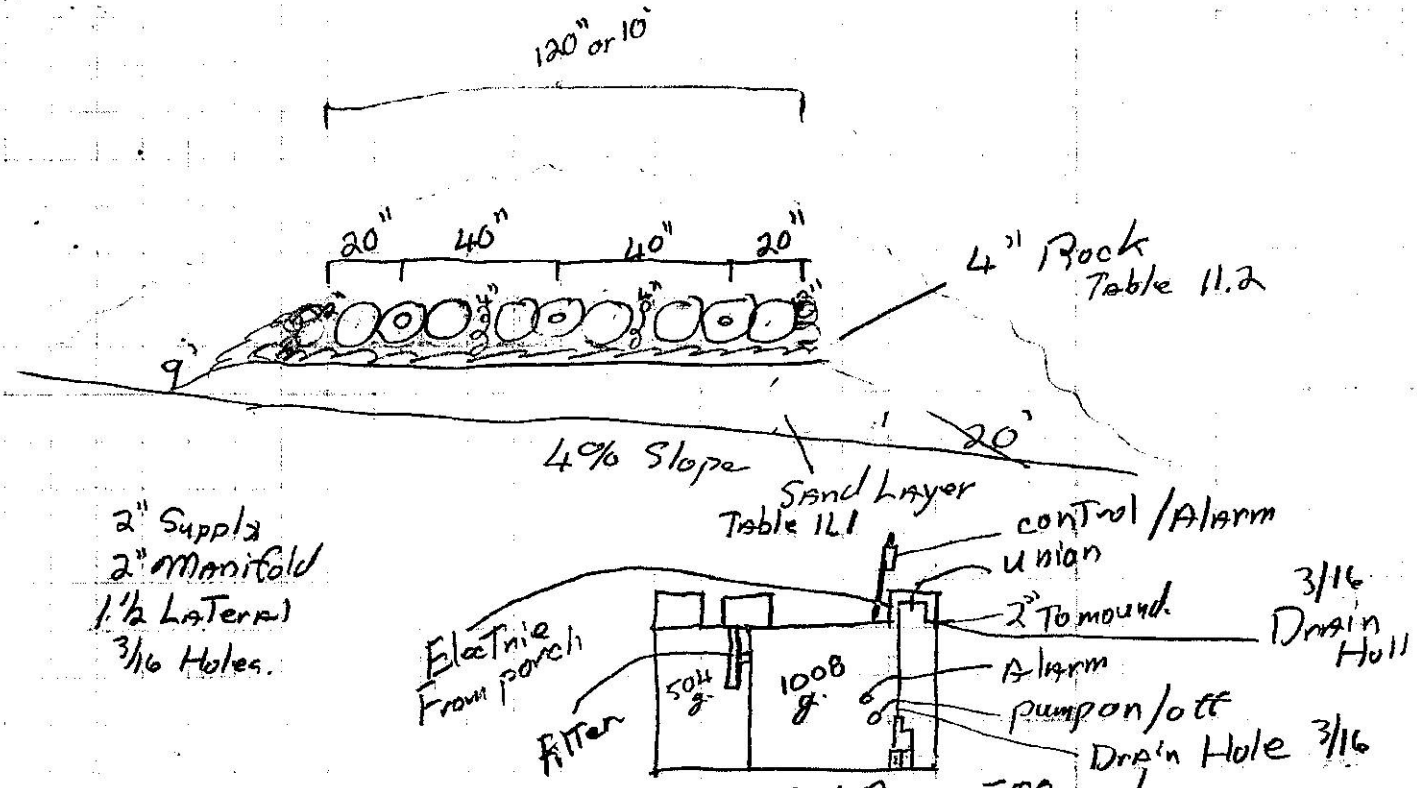
City of Lincoln\Lancaster County GIS Map



Printed: 8/16/2019

1: 1,128

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4 Bed Room 500 gpd.

500 ÷ 3 = 170 gallon per pumpon.

170 ÷ 23.45 = 7.1/4" Tether +or-

2" pipe 100' = 17.43 gallon.

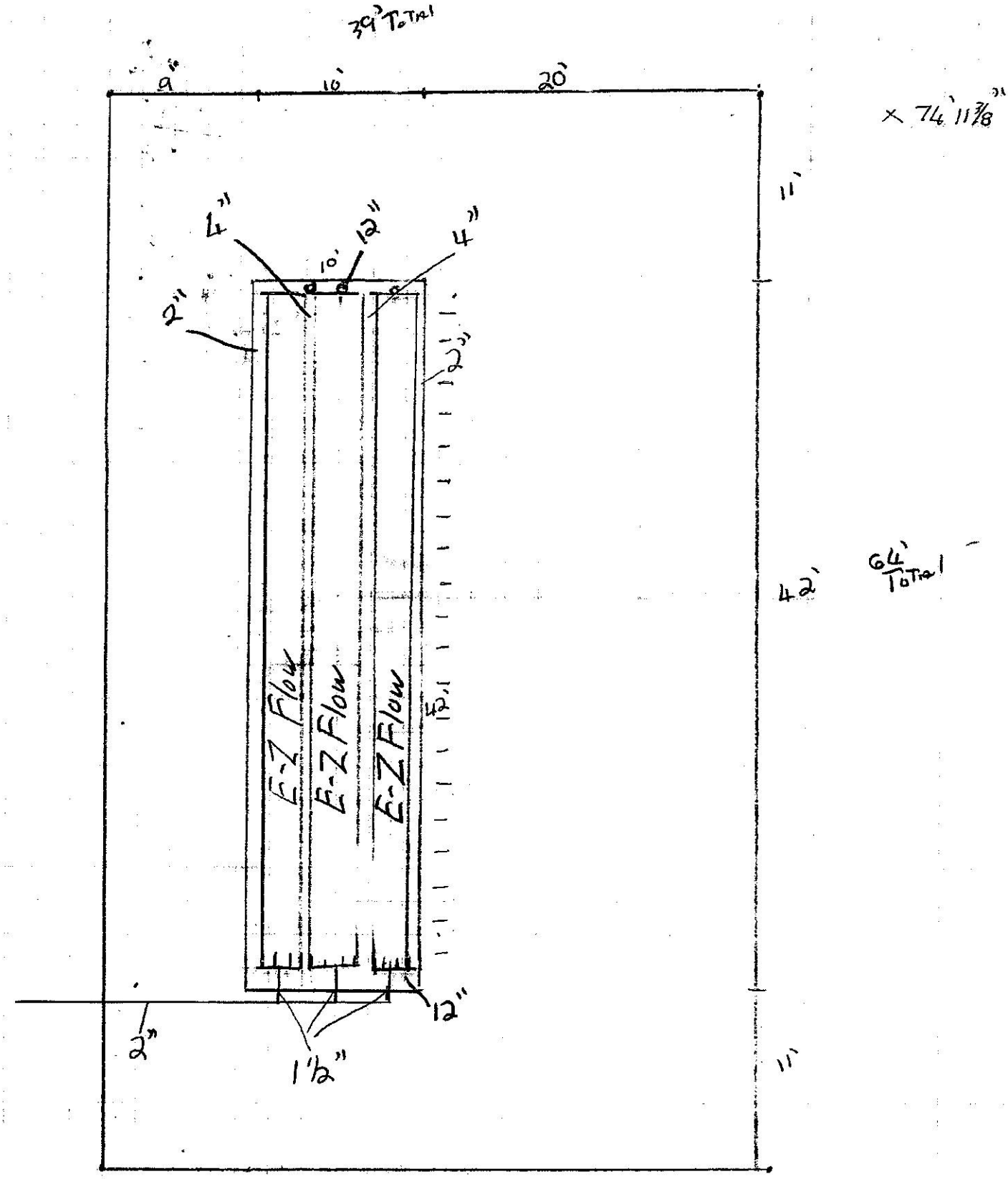
1500 2com

Tank. 1008 ÷ 43" = 23.45 gallon A Inch.

504

Scott/Sally Hentx
6700 Prairie Rim Rd.
Lincoln NE 68526
60mpI
4 Bed Room x-D/N-T
1500g Tank.
1000g pump Tank.

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


39' Total
9'
10'
20'
× 74' 11 3/8"
11'
4"
12"
4"
10'
2"
2"
42'
E-Z Flow
E-Z Flow
E-Z Flow
42'
64' Total
12"
2"
1 1/2"
11'