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

A

Permit Number HS002254

Onsite Wastewater Treatment System Permit Application

Include Form B and C. Submit correct fee with this Application

☐ Septic System ☒ Lagoon ☐ Other (Refer to Form C)

PLEASE PRINT OR TYPE

A. Onsite System Location

Address* 5750 S 114TH CT City LINCOLN, NE Zip 68461
(no rural route)

Legal Description S18 T9 R8 WHISPERING CREEK 1 7
1/4 1/4 Section Township Range Subdivison Addition Block Lot

PID 22-18-201-007-000 *Approx. Address (If to be determined)

B. Owner

Name CURT JONES Signature

Address 7420 S 66TH ST City/State/Zip LINCOLN, NE 68512

Home Phone 402-560-1874 Work Phone

C. Certified Installer

Name JAIME KLEIK Signature

Address 105 LOCUST ST P.O. BOX 191 City/State/Zip HICKMAN, NE 68372

Work Phone 402-475-2462

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 6 Whirlpool Bathtub? ☒ Yes ☐ No Total Acres 4.06
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

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 7-8-21 Amount Paid $440.00
Received By JAO Cash/Check No. 5466

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

Form A Updated: 4/15

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. HS002254

System Type: Lagoon

Situs: No Site Address Specified

Issued: 7/8/2021

Expires: 7/8/2022

Description: WHISPERING CREEK ADDITION, BLOCK 1, Lot 7

Owner: JONES, CURT
7420 S 66 ST
LINCOLN, NE 68516

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
Health Director

CURT JONES
7420 S 66TH ST
LINCOLN, NE 68516

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

SCANNED

A

Permit Number
HS002254

Onsite Wastewater Treatment System
Permit Application

Include Form B and C.
Submit correct fee
with this Application

☐ Septic System ☒ Lagoon ☐ Other (Refer to Form C)

PLEASE PRINT OR TYPE

A. Onsite System Location

Address* 5750 S 114TH CT City LINCOLN, NE Zip 68461
(no rural route)

Legal Description S18 T9 R8 WHISPERING CREEK. 1 7
1/4 1/4 Section Township Range Subdivison Addition Block Lot

PID 22-18-201-007-000 *Approx. Address (If to be determined)

B. Owner

Name CURT JONES Signature

Address 7420 S 66TH ST City/State/Zip LINCOLN, NE 68516

Home Phone 402-560-1874 Work Phone

C. Certified Installer

Name JAIME KUBIK Signature

Address 105 LOWST ST P.O. BOX 191 City/State/Zip HICKMAN, NE 68372

Work Phone 402-475-2462

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 4.06
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

1. Health Department
Site visits installed w/o inspection - Engineered
Comments
Date rec'd 7/8/21
Date frwd 7/8/21
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 Doug Micek
Date 6/29/22

Business Office Use Only
Date Received 7/8-21 Amount Paid $440.00
Received By JAO Cash/Check No. 5488

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

Form A Updated: 4/15

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

D

Permit Number: HS002254

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

Address or Legal Description or Parcel Identification Number (PID) 22-18-201-007-000

Owner: Curt Jones Address 5711 S 114th St Lincoln, NE 68526

A. Wastewater Piping

1. Material: SCH 40 Diameter: 4 in.
2. Distance between dwelling and septic tank: 100 ft.

B. Septic Tank

1. Material CONCRETE
2. Capacity: 2500 GALLON
3. Depth to top of tank, below unfinished grade: 14 in.
4. Distance to:
   Well NA ft.
   Pressure line +50 ft
   Property Line +50 ft.
   Foundation 100 ft.

C Distribution Box or Drop Box

Distance and Direction from septic tank: ____ ft. ____

D. Drainfield/Absorption Field

☐ Trench ☐ Bed

1. Type: ☐ Perforated Pipe ☐ Chamberless ☐ Other
   Material brand and inside width of Chamberless: EZ Flow
2. Number of Laterals: 6 BEDS 5 x 80 ft
3. Length of each lateral (linear): ft. ____ ft. ____ ft. ____ ft. ____
4. Drainfield size: ____ sq. ft.
5. Distance to:
   Well NA ft.
   Pressure line +50 ft.
   Property line +50 ft.
   Depth of Groundwater +12

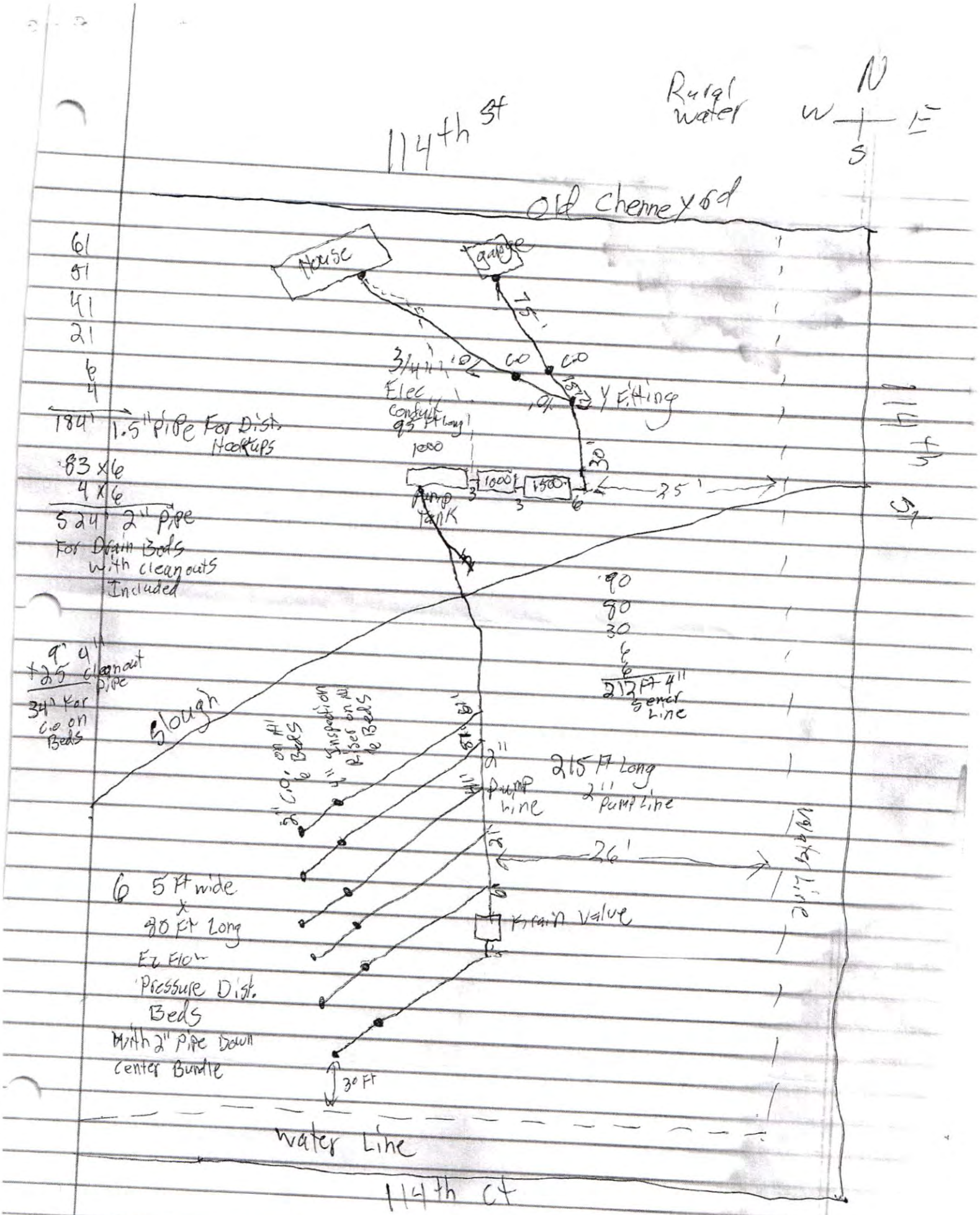
Was the Onsite Wastewater System covered prior to LLCHD inspection? ☒ Yes ☐ No

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: [signature] Date: 10/7/22

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


114th St
Rural water
N
W
E
S
Old Chenneyard
House
garage
75'
3/4" PVC Elec conduit 95 Ft Long
1000
1500
Pump Tank
Y Fitting
30'
35'
1.5" pipe For Dist. Hookups
184'
83 x 6
4 x 6
524' 2" pipe For Drain Beds with cleanouts Included
9' 4" +25 cleanout pipe
34' For c.o on Beds
Slough
90
90
30
6
6
213 Ft 4" Sewer Line
2" Pump line
215 Ft Long 2" Pump Line
26'
Drain Valve
6 5 Ft wide x 30 Ft Long Ez Flow Pressure Dist. Beds With 2" pipe Down Center Bundle
30 FT
Water Line
114th Ct

Frontwater Engineering LLC

2022

22OWT___

NDEE I.D. NO.___

PRELIMINARY NOT FOR CONSTRUCTION

OWT - 5711 S. 114th Ct., Lincoln, NE 68526

Onsite Wastewater Treatment System

Lot 7, Block 1, Whispering Creek Addition, Lincoln, NE 68526

N1/2 of Section 18, Township 09N, Range 08E of the 6th P.M. Lancaster County, Nebraska

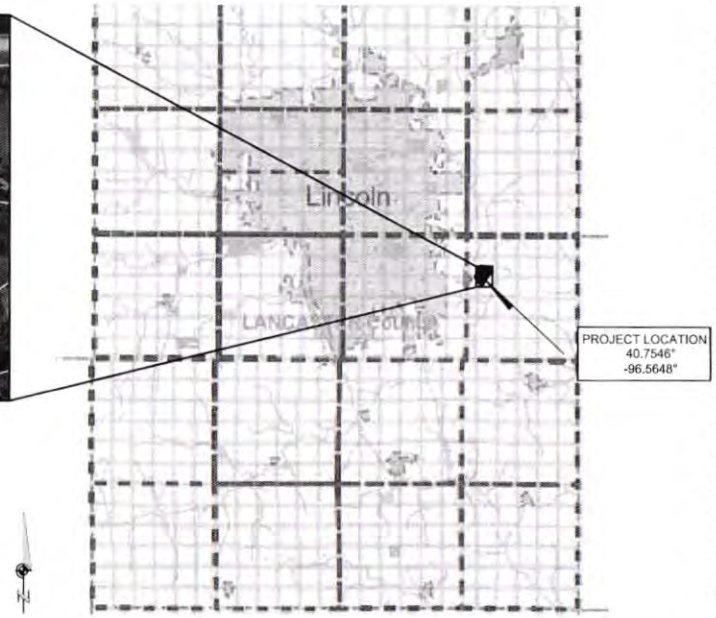
INDEX OF DRAWINGS

SHT. NO.	SHEET NAME
1	TITLE SHEET, LOCATION MAP & INDEX
2	SITE PLAN, DESIGN PARAMETERS & NOTES
3	SEPTIC TANKS & PUMP TANK DETAILS
4	ABSORPTION FIELD DETAILS





VICINITY MAP
NOT TO SCALE



PROJECT LOCATION MAP
NOT TO SCALE

HALF SIZE
THIS DRAWING HAS BEEN REDUCED FROM ITS ORIGINAL SIZE BY HALF. ALL DIMENSIONS AND SCALES SHALL BE ADJUSTED ACCORDINGLY.

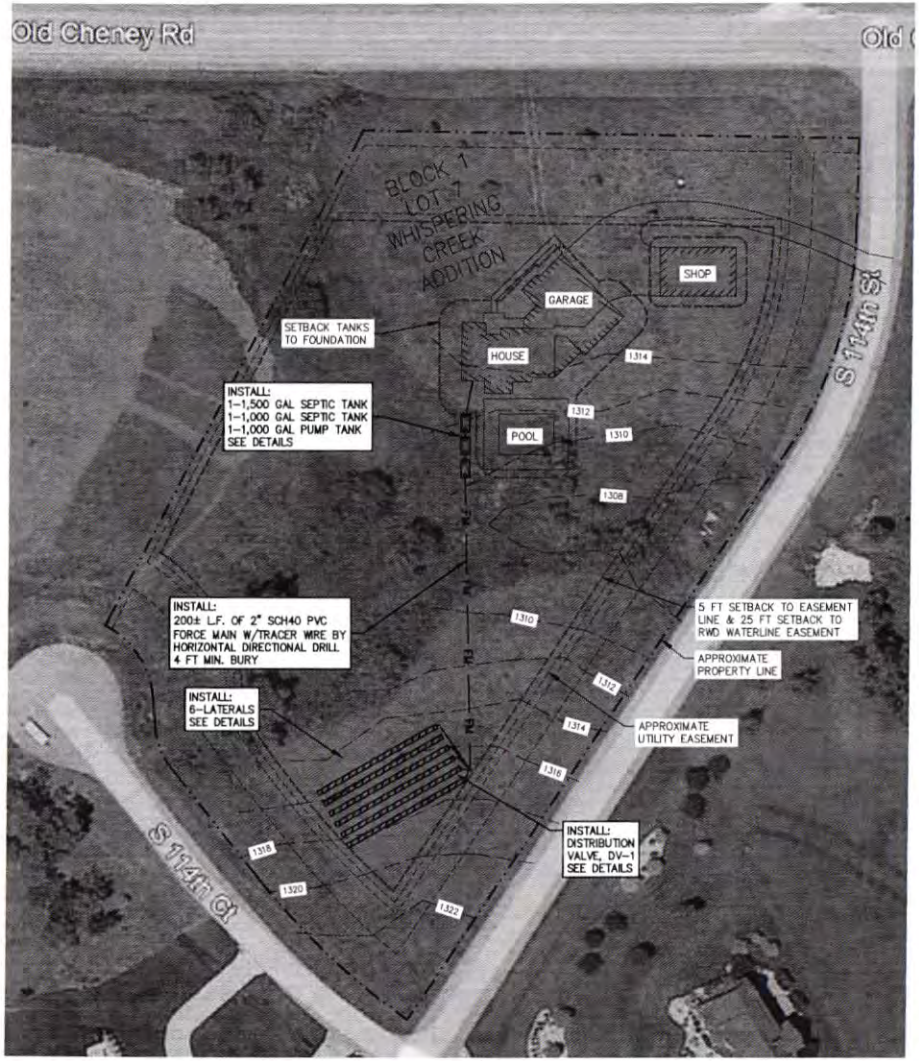
OWT - Lt 7, Blk 1, Whispering Creek, 5711 S. 114th Ct, Lincoln, NE 68526

© 2022 Frontwater Engineering, LLC
18 Merriweather Drive 11 Johnson Lake, Nebraska 68937 Phone: 308.746.2470

PROJECT NO. 080-W2-007

JUNE 2022

PLOTTED: 6/1/2022 8:02 PM SAVED: 6/1/2022 3:49 PM G:\Projects\080 - Southwick Liquid Waste OWT\080-W2-007\Dwgs\080-W2-007.dwg



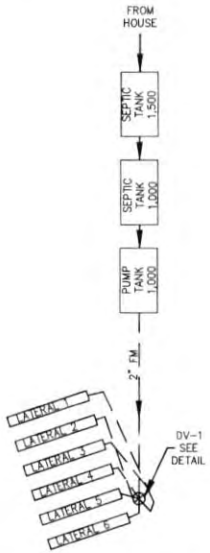
CAUTION:
UNDERGROUND UTILITIES NOT SHOWN ON THIS PLAN. CONTRACTOR IS RESPONSIBLE FOR SUBMITTING LOCATE REQUEST AS REQUIRED BY STATE LAW. ENGINEER AND OWNER ARE NOT RESPONSIBLE FOR LOCATION OR DAMAGE OF UTILITES AS A RESULT OF CONTRACTOR'S WORK.

SITE PLAN
SCALE: 1"=40'

40 20 0 40 80
SCALE: 1" = 40'

GENERAL NOTES:

1. LOCATION OF PROPERTY LINES, UTILITIES, WATER LINES AND BUILDINGS WERE NOT SURVEYED AND ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR ONSITE MEASUREMENT AND VERIFICATION OF ALL REQUIRED DIMENSIONS.
2. COUNTOURS ARE DIGITAL REPRESENTATIONS FROM GOOGLE EARCH AND WERE NOT SITE SURVEYED. CONTRACTOR IS RESPONSIBLE FOR SITE ELEVATION VERIFICATION TO ENSURE DISTRIBUTION VALVE IS INSTALLED AT THE HIGH POINT.
3. CONTRACTOR IS RESPONSIBLE FOR UTILITY LOCATION NOTIFICATION BY CALLING 811.
4. ALL WORK SHALL BE IN ACCORDANCE WITH NDEQ/NDEE TITLE 124 REGULATIONS INCLUDING, BUT NOT LIMITED TO, VERIFICATION OF SETBACK DISTANCES, LOCATIONS AND ELEVATIONS OF EXISTING FEATURES, CONSTRUCTION AND REGISTRATION OF THE SYSTEM.
5. ALL WORK SHALL BE PERFORMED BY NDEQ/NDEE TITLE 124 CERTIFIED INDIVIDUALS AS REQUIRED BY REGULATION.
6. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY MAJOR CHANGES NECESSARY FOR THE CONSTRUCTION OF THE ON-SITE SYSTEM.
7. CONTRACTOR IS RESPONSIBLE FOR SETTING UP HORIZONTAL AND VERTICAL CONTROL FOR THE CONSTRUCTION OF THE ON-SITE SYSTEM.
8. NOT ALL FITTINGS CALLED OUT. CONTRACTOR SHALL PROVIDE SCH40 PVC FITTINGS AS REQUIRED FOR INSTALLATION.
9. ALL GRAVITY SEWER PIPE SHALL BE 4" DIAMETER SCH40 PVC. SLOPE OF PIPES TO TANKS SHALL BE AT 2% (1/4 IN/FT) MIN.
10. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ACCURATE AS-RECORDED (AS-BUILT) DRAWINGS WITH DIMENSIONS AND ELEVATIONS TO ENGINEER FOR RECORDS
11. RESTORATION OF THE SITE, INCLUDING BUT NOT LIMITED TO, GRADING, LANDSCAPING, SEEDING OR SODDING AND VEGETATING SHALL BE COMPLETED BY CONTRACTOR OR COORDINATED WITH OWNER.

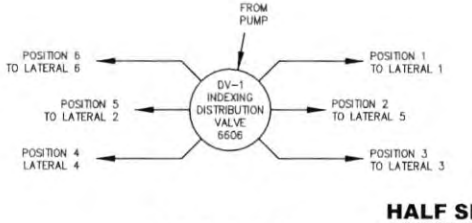


FLOW SCHEMATIC
NOT TO SCALE

DESIGN PARAMETERS	
DESIGN FLOW	
NO. OF BEDROOMS	6
DESIGN FLOW	700 GPD
SEPTIC TANKS	
ST-1	1,500 GAL
ST-2	1,000 GAL
TOTAL SEPTIC TANK VOLUME	3,000 GAL
EFFLUENT FILTER	
CAPACITY (MIN.)	1,000 GPD
EFFLUENT PUMP TANK	
CAPACITY	1,000 GAL
NO. OF PUMPS	1
PUMP OPERATING RANGE (APPROX.)	30 GPM @ 42 FT 40 GPM @ 46 FT
TDH	
SPECIFIED PUMP(S)	ZOELLER 161
PUMP CONTROL	TIME DOSED
DOSE VOLUME	3-4X LATERAL VOLUME 40-50± GAL
LATERAL DOSE	2X-3X PER DAY

ABSORPTION SYSTEM DESIGN PARAMETERS	
SOIL AND SITE DATA	
SITE SOILS	CLAY
SITE PERCOLATION RATE	120+ MPI
GROUNDWATER (AT ABSORPTION SITE)	10-20 FT
ABSORPTION FIELD SYSTEM	
CONCEPT	TRENCH LATERALS WITH PRESSURE DISTRIBUTION
NO. OF LATERALS	6
DESIGN FLOW PER LATERAL	117 GPD
TOTAL DESIGN FLOW	700 GPD
LATERAL LOADING RATE	0.3 GPD/S.F.
AREA REQUIRED (TOTAL)	2,334 S.F.
LATERAL (TRENCH) WIDTH	3 FT
LATERAL (EFFECTIVE) WIDTH	4.5 FT
LATERAL LENGTH	90 FT
LATERAL AREA	270 S.F.
TOTAL AREA	2,400 S.F.
MATERIAL	EZ FLOW
LATERALS	
DISTRIBUTION	END
DIAMETER & MATERIAL	2" SCH 40 PVC
LATERAL VOLUME	15 GAL
HOLE SPACING	2 FT C-C
HOLE DIAMETER	3/16 IN.
NO. OF HOLES PER LATERAL	45
DISCHARGE PER HOLE, DESIGN	0.67 TO 0.9 GPM
DISCHARGE PER LATERAL	30 TO 40 GPM
DISTRIBUTION TO LATERALS	
DISTRIBUTING (INDEX) VALVE	6 OUTLET (6606)

DESIGN PARAMETERS



DV-1 DETAIL
NOT TO SCALE

HALF SIZE
THIS DRAWING HAS BEEN REDUCED FROM ITS ORIGINAL SIZE BY HALF. ALL DIMENSIONS AND SCALES SHALL BE ADJUSTED ACCORDINGLY.

PRELIMINARY
NOT FOR CONSTRUCTION

Frontwater Engineering LLC
19 Merriweather Dr. 11 • Johnson Lake, NE 68937 • 308.748.2470

REVISIONS	
NO.	DATE

OWT - 5711 S. 114th Ct.
Lincoln, Lancaster County, Nebraska

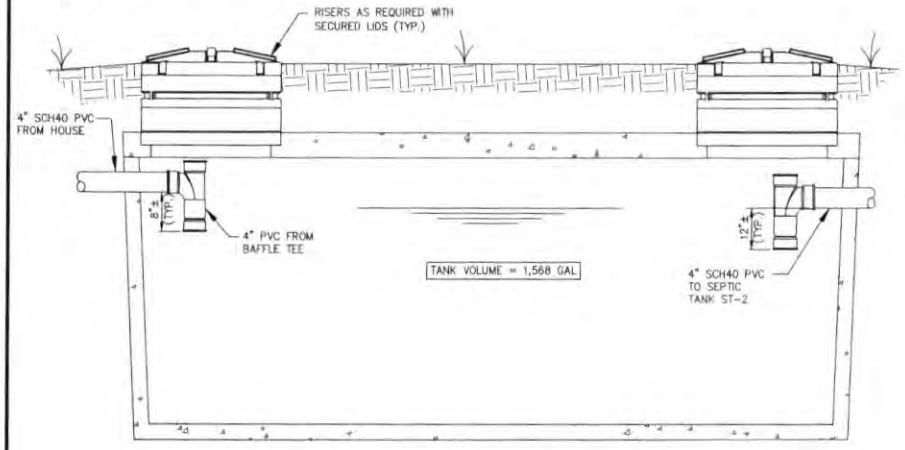
SITE PLAN, NOTES & DESIGN PARAMETERS

SCALE: SEE SHT HORIZONTAL
NONE VERTICAL
PROJECT NO: 080-W2-007
DRAWN BY: CAD
CHECKED BY: DLP
DATE: June 2022
SHEET 2 OF 4

PLOTTED: 6/1/2022 8:02 PM SAVED: 6/1/2022 3:49 PM G:\Projects\080 - Southwick Liquid Waste OWT\080-W2-007\Dwgs\080-W2-007.dwg

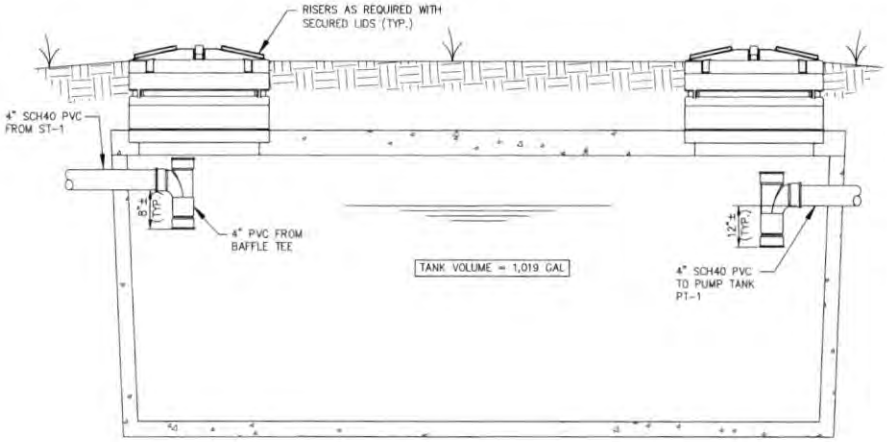
SEPTIC TANK NOTES:

1. SEPTIC TANKS SHALL BE PRE-CAST CONCRETE WITH CAPACITY AS SHOWN ON THE DETAIL
2. INLETS AND OUTLETS SHALL BE ORIENTED AS SHOWN
3. EACH TANK SHALL HAVE TAG WITH NAME OF MANUFACTURER, ADDRESS AND TANK CAPACITY.
4. EACH SEPTIC TANK SHALL BE BEDDED AND BACKFILLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS OR AS DIRECTED BY ENGINEER.
5. INLET AND OUTLET BAFFLE TEES SHALL BE PROVIDED AS SHOWN



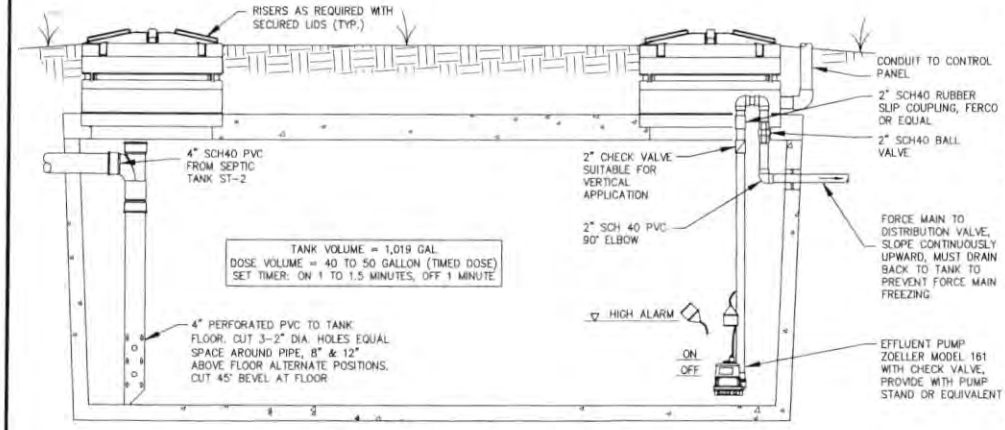
SEPTIC TANK ST-1

NOT TO SCALE



SEPTIC TANK ST-2

NOT TO SCALE

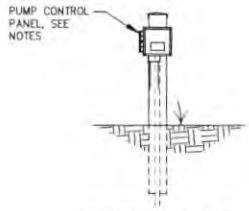


PUMP TANK PT-1

NOT TO SCALE

PUMP TANK NOTES:

1. PUMP SHALL BE CAPABLE OF BEING REMOVED WITHOUT ENTERING PUMP TANK.
2. PUMP SHALL BE ZOELLER MODEL 161 OR EQUAL, CAPABLE OF PUMPING APPROXIMATELY 30 GPM AT 42 FT OF HEAD TO 40 GPM AT 46 FT OF HEAD.
3. FLOATS SHALL BE SET TO PROVIDE DOSE VOLUME AS INDICATED ON THE DETAIL AND MAY BE ADJUSTED IN THE FIELD TO ACHIEVE PERFORMANCE.
4. DUE TO FORCE MAIN ELEVATIONS AND VOLUME, PROVIDE A CHECK VALVE ON THE PUMP DISCHARGE.
5. HIGH LEVEL ALARM FLOAT SHALL BE ADJUSTED TO ALARM WHEN THE LEVEL REACHES APPROXIMATELY 4" ABOVE PUMP START FLOAT. THE HIGH LEVEL ALARM SHALL BE ON A SEPARATE CIRCUIT IN THE ELECTRICAL PANEL.
6. PUMP PANEL SHALL BE MODEL 1100 SERIES FROM ALDERON INDUSTRIES, TIME DOSED PANEL OPERATION WITH LOW LEVEL FLOAT SHUT OFF AND HIGH LEVEL FLOAT ALARM & TIMER OVERRIDE.
7. ALL ELECTRICAL WIRING SHALL BE INSTALLED IN CONDUIT, APPROPRIATELY SIZED AND INSTALLED IN ACCORDANCE WITH THE NEC AND STATE AND LOCAL CODES. PROVIDE AND INSTALL ALL WIRING, CONDUIT, BREAKERS, FASTENERS, ETC. AS REQUIRED FOR A COMPLETE INSTALLATION.
8. PROVIDE AND INSTALL TREATED WOOD RACK, GALVANIZED STEEL UNI-STRUT RACK OR GALVANIZED PIPE RACK AS SELECTED BY OWNER, TO SECURELY MOUNT ELECTRICAL EQUIPMENT



CONTROL PANEL

NOT TO SCALE

HALF SIZE

THIS DRAWING HAS BEEN REDUCED FROM ITS ORIGINAL SIZE BY HALF. ALL DIMENSIONS AND SCALES SHALL BE ADJUSTED ACCORDINGLY

PRELIMINARY NOT FOR CONSTRUCTION

Front Water Engineering LLC
18 Merriweather Dr. 11 • Johnson Lake, NE 68937 • 308.746.2470

REVISIONS	
NO.	DATE

OWT - 5711 S. 114th Ct.

SEPTIC TANK & PUMP TANK DETAILS

Lincoln, Lancaster County, Nebraska

SCALE: 1"=30' HORIZONTAL; None VERTICAL

PROJECT NO.: 080-W2-007

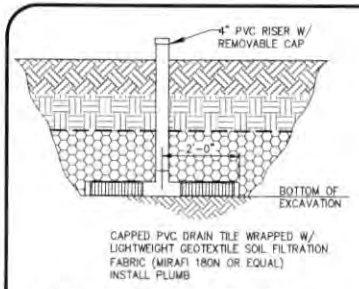
DRAWN BY: CAD

CHECKED BY: DJP

DATE: June 2022

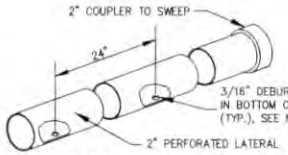
SHEET 3 OF 4

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INSPECTION PORT DETAIL

NOT TO SCALE

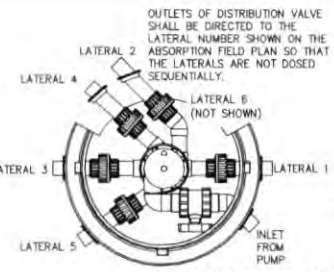


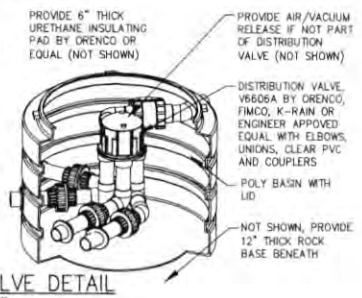
DISTRIBUTION PIPE DETAIL (TYPICAL)

NOT TO SCALE

PRESSURE DISTRIBUTION NOTES:

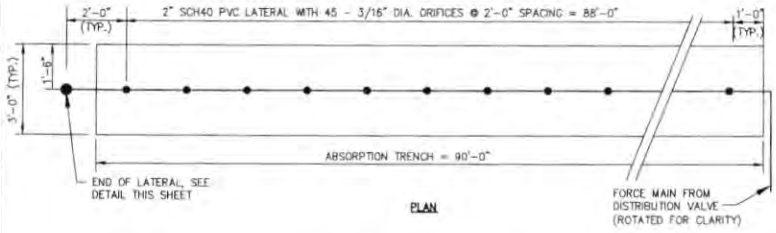
1. PRESSURE DISTRIBUTION PIPE SHALL BE 2" DIA. SCH 40 PVC. ALL FITTINGS SHALL BE SOCKET SOLVENT WELDED SCH 40 PVC. EACH FITTING SHALL BE THRUST BLOCKED WITH 1/3 BAG OF QUICKRETE OR EQUAL.
2. 3/16" DIA. HOLES SHALL BE DRILLED ON 24" CENTERS IN A STRAIGHT LINE IN EACH LATERAL PIPE. HOLES SHALL BE DEBURRED INSIDE AND OUTSIDE. IF HOLES SHOULD BE DRILLED IN BOTTOM OF PIPE IN A STRAIGHT ALIGNMENT. EACH LATERAL MUST DRAIN BETWEEN CYCLES TO PREVENT FREEZING.
3. EACH LATERAL SHALL BE TERMINATED WITH A SWEEP CLEAN-OUT ASSEMBLY WITH THREADED CAP OR THREADED PLUG.



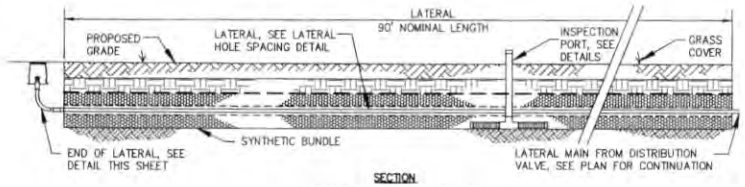


DISTRIBUTION VALVE DETAIL

NOT TO SCALE



PLAN



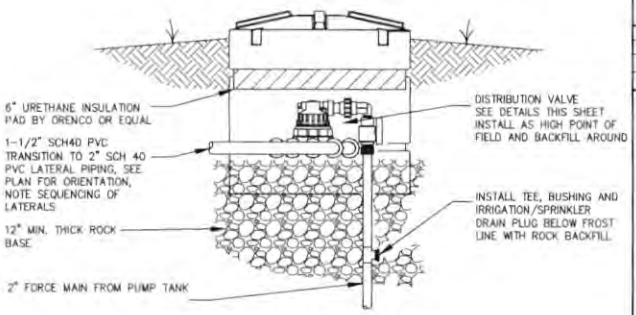
SECTION

PRESSURE LATERAL

NOT TO SCALE

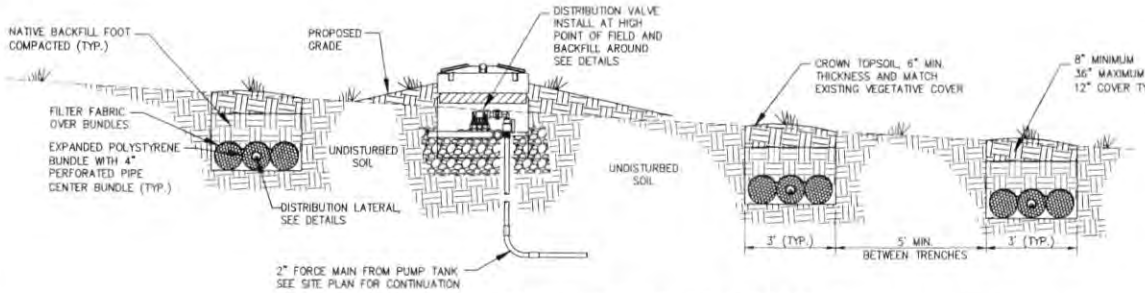
ABSORPTION FIELD NOTES:

1. BOTTOM OF TRENCH EXCAVATION SHALL BE LEVEL USING AN INSTRUMENT FOR ACCURACY. BOTTOM AND SIDES OF TRENCH SHALL BE EXCAVATED IN A MANNER TO LEAVE SOIL AS NATURAL, UNCOMPACTED AND UNSMEARED AS POSSIBLE.
2. EXCAVATION SHALL NOT BE PERMITTED WHEN SOILS ARE EXCESSIVELY WET.
3. TRENCHES SHALL BE TOPPED WITH 6" OF TOPSOIL AND CROWNED ABOVE FINISHED GRADE TO ALLOW FOR NATURAL SETTLING.
4. AREA SHALL BE RESEEDED, COORDINATE WITH OWNER.



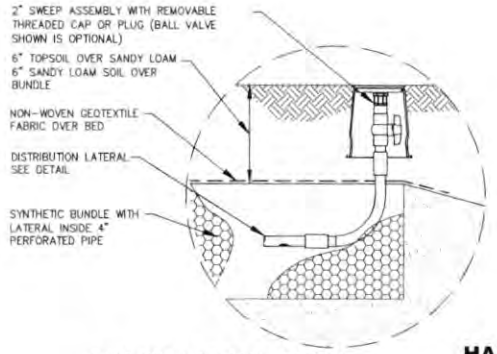
DISTRIBUTION VALVE SECTION

NOT TO SCALE



ABSORPTION FIELD CROSS SECTION (PARTIAL)

NOT TO SCALE



END OF LATERAL DETAIL

NOT TO SCALE

HALF SIZE
THIS DRAWING HAS BEEN REDUCED FROM ITS ORIGINAL SIZE BY HALF. ALL DIMENSIONS AND SCALES SHALL BE ADJUSTED ACCORDINGLY.

PRELIMINARY NOT FOR CONSTRUCTION

Front Range Engineering
18 Merriweather Dr. 11 • Johnstown, CO 80537 • 308.746.2470

REVISIONS

NO.	DATE

OWT - 5711 S. 114th Ct.

ABSORPTION FIELD DETAILS

Lincoln, Lancaster County, Nebraska

SCALE: 1"=30' HORIZONTAL; None VERTICAL
PROJECT NO. 080-W2-007
DRAWN BY: CAD
CHECKED BY: DLF
DATE: June 2022
SHEET 4 OF 4

PLOTTED: 8/1/2022 8:01 PM SAVED: 8/1/2022 3:48 PM G:\Projects\080 - Southwick Liquid Waste OWT\080-W2-007\Dwgs\080-W2-007.dwg