Lincoln-Lancaster County Health Department

ENVIRONMENTAL PUBLIC HEALTH DIVISION

3140 N STREET · LINCOLN, NE 68510-1514

003357

(402) 441-8000

Permit: SEWAGE INSTALLATION
LAGOON

Permit # 04380277601

Issued 02/11/04
Expires 08/11/04
Revenue Code 3157

Establishment:
JAMES WARRELMANN
T11N R5E SEC 9 QTR NW
20.03 ACRES
10655 WEST MILL RD-MALCOLM

FEES: $200.00

TOTAL: $200.00

Permittee:
JAMES WARRELMANN
6128 NW 6 ST
LINCOLN NE 68521

Bruce D. Dart

Bruce D. Dart, Health Director

EPH COPY

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

A

Permit Number: 0438027760 1

Sewage Disposal System

Request for Site Clearance and Permit

Include Form B, Form C and Applicable Fees with this Application.

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

The undersigned hereby requests site clearance and permit to construct a Sewage Disposal System in conformance with appropriate resolution or ordinance, as described herein:

PLEASE PRINT OR TYPE

A. System Location (Indicate correct number and street)

Address 10655 West Mill Rd (no rural route) City Malcolm NE, Zip 68402

Legal Description Northwest 9 11 North 5 East & 6th P.M. SEE ATTACHED (20.03 Acres) 38 I.T.
1/4 1/4 Section Township Range Subdivision Addition Block Lot

Geographical Location (if known): Longitude _____ Latitude _____

☑ Check if system mail address is not the same as the owner's address

B. Owner

Name James Warrelmann Signature James Warrelmann

Address 6128 NW 6th City/State/Zip Lincoln, NE 68521

☐ Check if owner designed system Home Phone 402-438-0866 Work Phone 402-473-9781

C. Contractor

Name James Warrelmann Company Name N/A

Address 6128 NW 6th City/State/Zip Lincoln, NE 68521

☐ Check if contractor designed system Work Phone 402-473-9781

D. Engineer/Installer ☑ Check and complete if engineer designed system

Designer Name Gordon LuKes Firm G&A Backhoe Work Phone 402-450-2409

E. This System Will Serve a

☑ Residential Dwelling Number of Bedrooms 4 Is there a Whirlpool Bathtub (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. 2832

1. **Health Department** Date rec'd 2/11/04 Date frwd 2/11/04 **ACTION** ☒ Approved ☐ Disapproved Signature Jerrold C. Hood
9-2-04, jm

2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd 2/11/04 Date frwd _____ **ACTION** ☐ Approved ☐ Disapproved Signature _____

3. **City or County Engineer** Date rec'd 2/11/04 Date frwd 2/11/04 **ACTION** ☒ Approved ☐ Disapproved Signature _____

Installation Final Written Approval

By _____

Date 9-3-04

Business Office Use Only

Date Rec'd 2/11/04

Amt Paid 200.00

Rec'd By TW Cash/Check No. 3166

FORM 23-100 10-96 White - Health Dept. Yellow - Engineer Pink - Bldg. Inspector

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

B

Permit Number:

Sewage Disposal System
Soil Absorption Test Data Report
Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address 10655 W Mill Rd (no rural route) City Malcolm NE, Zip 68402

Owner James Wabrel mann Addresss 6128 NW 6th St Lincoln, NE 68521

Soil Type (SCS): Judson Percolation Rate: _____ min./inch

Date of Tests 5-24-04 to 5-25-05 . Weather: Precipitation 0 Temperature 68°

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)	27	5-24	10:30a	5-24	2:30p	5-25	11:45a	6	5-25	1:45p	30	3/8	0.38/30 = 79
(2)	26	"	"	"	"	"	"	"	"	1:45p	"	1/4	0.25/30 = 120
3	27	"	"	"	"	"	"	"	"	3:45p	"	3/4	0.75/30 = 40
4	28	"	"	"	"	"	"	"	"	"	"	3	3.00/30 = 10
5	27	"	"	"	"	"	"	"	"	"	"	1 3/4	1.75/30 = 17
6	27	"	"	"	"	"	"	"	"	"	"	3 7/8	3.88/30 = 8

Person Conducting Percolation Tests

Name: Terri Jakubek or Raymond Contracting, Inc.

Phone: 402-783-2663 or 402-890-3870

Address 13800 NW 70th St
Raymond, NE 68428

Sum of Percolation Rates: _____

Average of Rates: _____

Rate Used for Calculation: _____

#1 & 2 had water in the holes overnight

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks _____

Signature of Reviewing Official _____ Date _____

FORM 23-101 10-96

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

B

Permit Number:

Sewage Disposal System

Soil Absorption Test Data Report

Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address 10655 W. Mill Rd. (no rural route) City Malcolm NE, Zip

Owner James Warrelmann Addresss 10655 W. Mill Rd.

Soil Type (SCS): Judson Silt loam Percolation Rate: 11 min./inch

Date of Tests 5-24-04 to 5-25-04 Weather: Precipitation 1/2" rain night before presoak Temperature 70°F

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)
#4	28"	5-24-04	10:30	5-25-04	2:30	5-25-04	10:00	6"	5-25-04	2:00	30	3	10 mpi
5	27"							"			"	1 3/4 .19	17
#6	27"							"			"	3 1/8 .81	8
#1	24"							"			"	3 3/16 .81	9
#2	25"							"			10	1 3/8 .37	7
#3	25"							"			30	2 3/4 .19	11
												6 15.9	10.3
												2.66	

Person Conducting Percolation Tests

Name: Terri Jacoubek & Ron Maryanek

Phone:

Address

Sum of Percolation Rates: 15.9

Average of Rates: 11 mpi

Rate Used for Calculation: 11 mpi

DO NOT WRITE BELOW THIS LINE

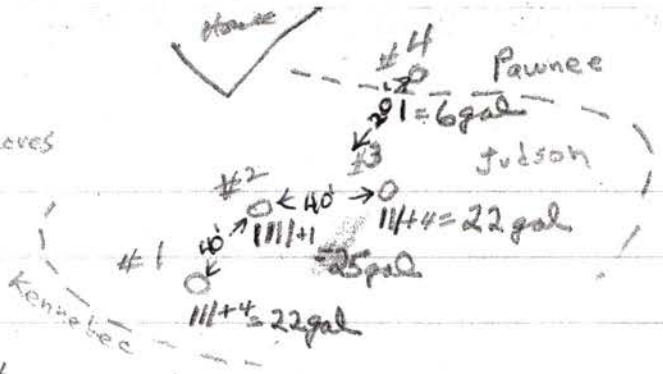
Reviewing Action

Remarks Three perc holes of Raymond Contracting and three holes of LLCHD represent the Judson Silt loam area of about 1.25 ± acres running NE to SE between Pawnee clay loam soil. LLCHD Hole #4 is in the edge of Pawnee soil

Signature of Reviewing Official Ron Maryanek Date 5-27-04

FORM 23-101 10-96

Property: @ 10655 W. Mill Rd
Owner: James Warrelmann
T 11N, R 5E, 9 NW¼, Lot 3B # 20.3 acres



D2:
C:

Soak: started 10:30 AM 5-24-04
Weather: 70° cloudy/overcast; 1½" rain night before
Test: started 10:00 AM 5-25-04, light rain overnight

time →	10:00 AM / 10:30	11:00	11:30	12:00	12:30	1:00		
#1 (23¾) deep DFRP dia 2"=6" =8" 1½" RPL	23⅜	23⅞	24 1/16	24	24 1/16	23¾ = 12/16		
	dry hole	20 1/8	20 1/2	20 1/2	20 5/8 10/16	20 9/16		
		3 6/8 12/16	3 9/16	3 1/2 8/16	3 7/16	3 3/16		9 mpi
#2 (23½) 7" dia crumbly sand ribbon < PL 10" 8"	23 1/8	23 1/2	23 1/2 8/16	23 7/16	23 1/2 8/16	23 1/2 8/16	23 5/8 10/16	23 9/16
	dry hole	dry hole	21 11/16	21 3/4 12/16	22 1/16	21 15/16	22 1/16	22 3/16
		→ 90 to 10 min. interval	1 13/16	1 11/16	1 9/16	1 9/16	1 9/16	1 6/16 3/8
								7 mpi
#3 (24½) 7" dia ribbon ½" < PL 4" 5"	24	24¾	24 3/16	24 5/8	24 7/16	24 5/8		
	21 3/16	21½	21 1/2 9/16	21 3/4 6/8	21 9/16	21 7/8		
	2 13/16	3 1/4	2 15/16	2 7/8 11/16	2 14/16	2¾		11 mpi
4 (24¾) 7" dia rocks) 4" = 2" thick 3"	24¾	24¾	24 11/16	24 10/16				
	24¾	24 11/16	24 5/8 10/16	24 9/16				
	0	1/16	1/16	1/16	stop →			480 mpi

(water in hole after presoak)

Lincoln-Lancaster County Health Department
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Phone: 402-441-8022

C

Permit Number: 04380277G

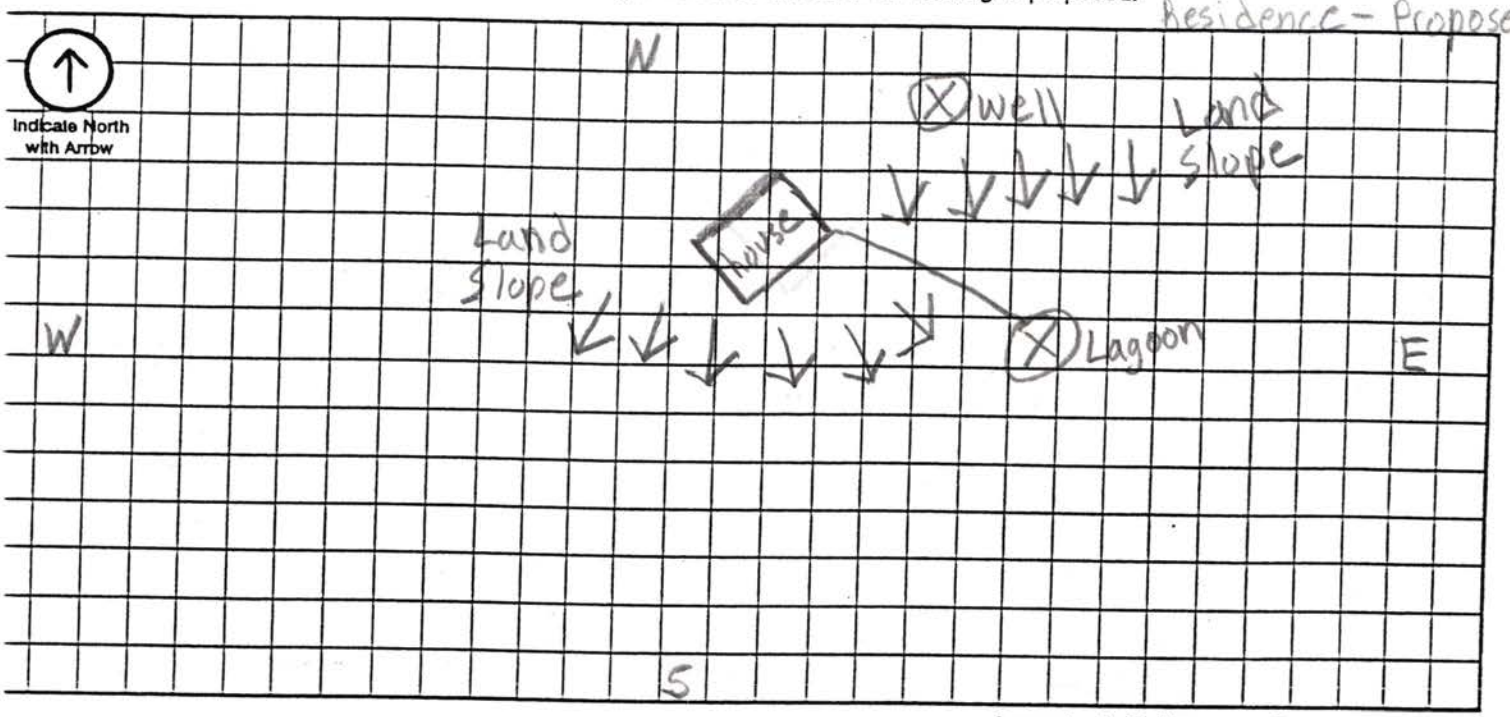
Sewage Disposal System

Preliminary Plan Specifications

well - existing

Draw a plot plan showing system location, lines, distribution box, tank and laterals, percolation test hole locations, well, residence, compass direction and property lines. Indicate on drawing if residence and well are existing or proposed.

Residence - Proposed



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

A. System Location (Indicate correct number and street)

Address (no rural route) 10655 West Mill Rd. City Malcolm NE, Zip 68402

B. Proposed Septic Tank/s

Tank Material: ☐ Concrete ☐ Plastic ☐ Other _____

C. Proposed Absorption System (See Form B for Percolation Information)

Percolation Rate 11 (min. per inch) Soil Type: _____ Land Slope: _____ %

Type of Absorption System: ☐ Trench ☐ Bed ☐ Other _____

Total Square Feet of Field Required: 840 sq. ft.

$4\overline{)840}$ = 210

Type of Lateral: ☐ Half-Moon ☐ Perforated Pipe ☐ Other Lateral Material: _____

Capacity of Septic Tank 1500 gals Number of Absorption Beds: _____ Number of Distribution Laterals per Bed _____

Total Length of Laterals 210 ft. Number of Trenches 2 Trench Width 4ft

D. 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 ☑	☑

E. Required Signatures

Home Building Contractor Hans J Warnelm Date 2-10-2004

Installer G&A Backhoe Service Gordon Luke Date 2-10-2004

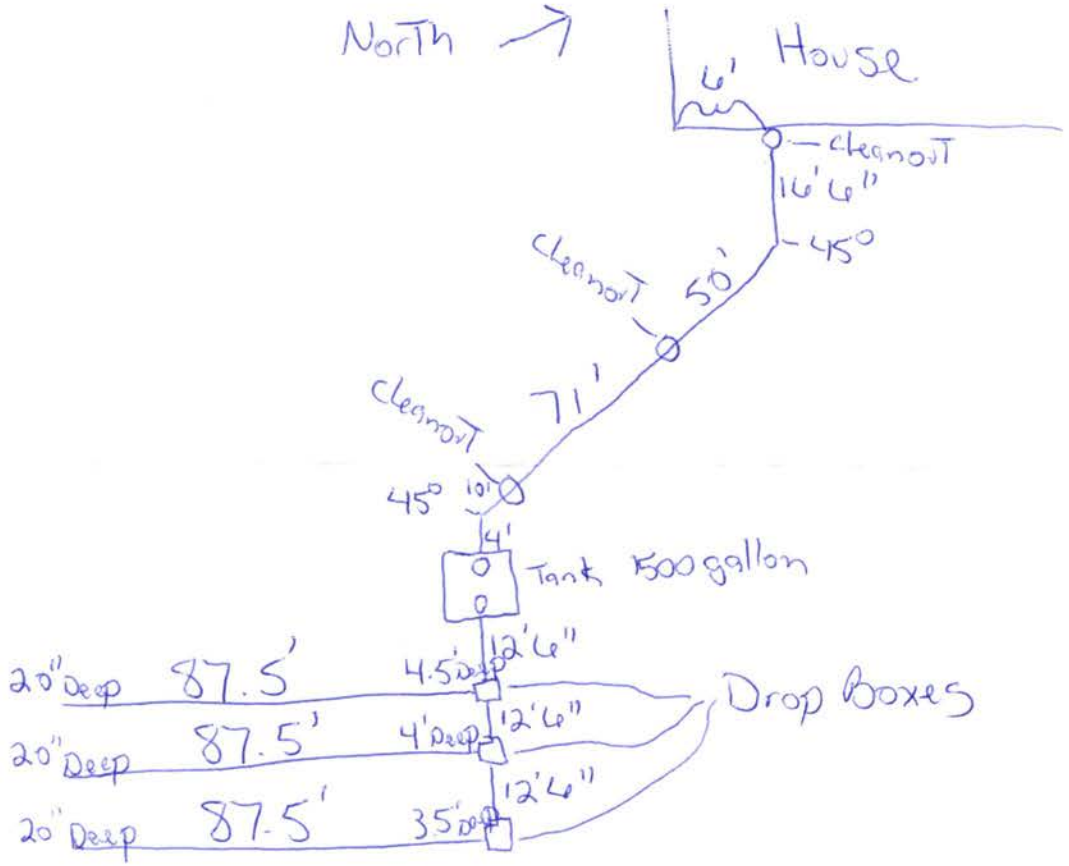
G & A

BACKHOE SERVICE

Gordon Lukes - Owner/Operator
2319 South 214th Street
Eagle, NE 68347-1995
Bus. (402) 781-2400
Cell. (402) 450-2409
Fax. (402) 781-2411

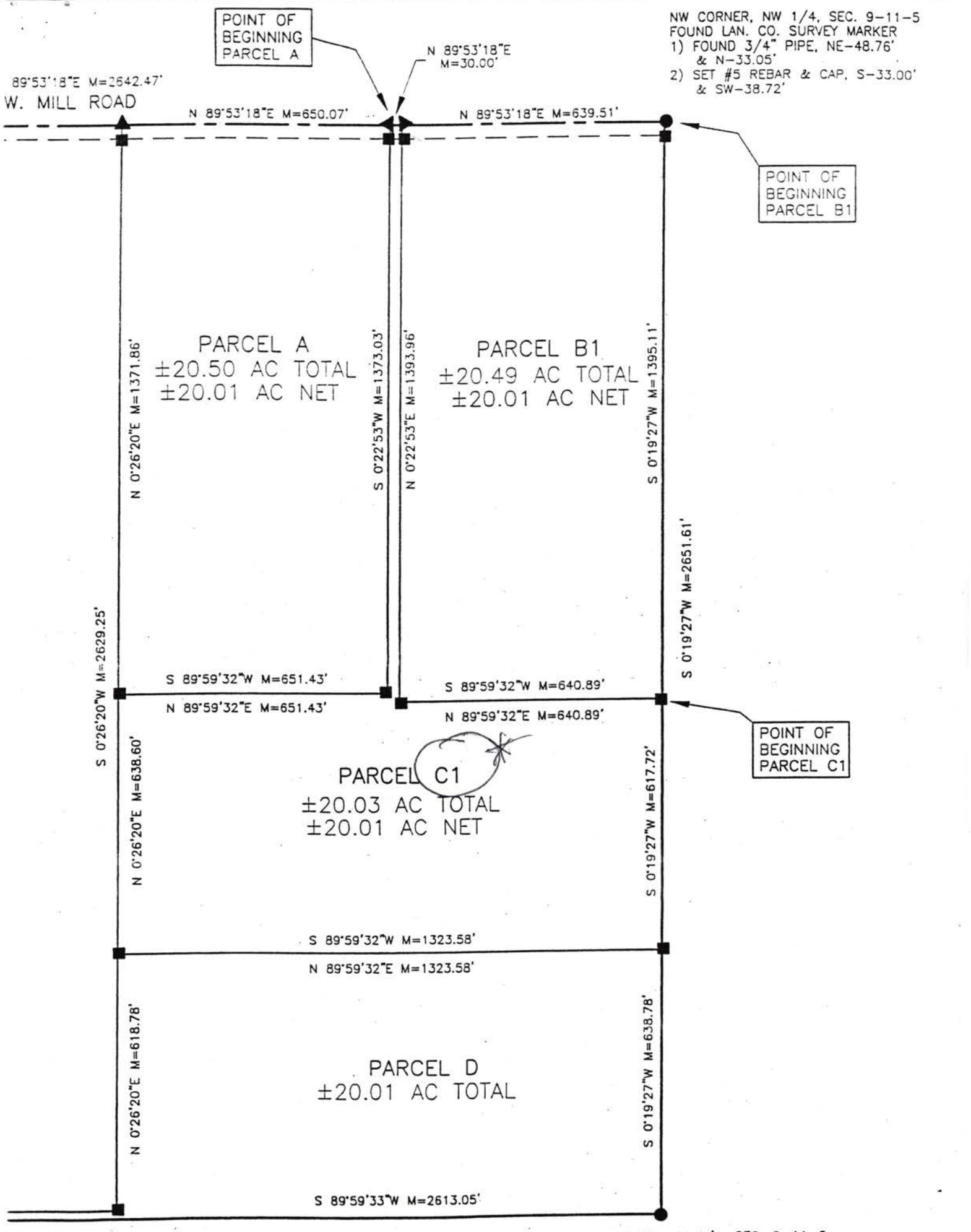
09/05/04

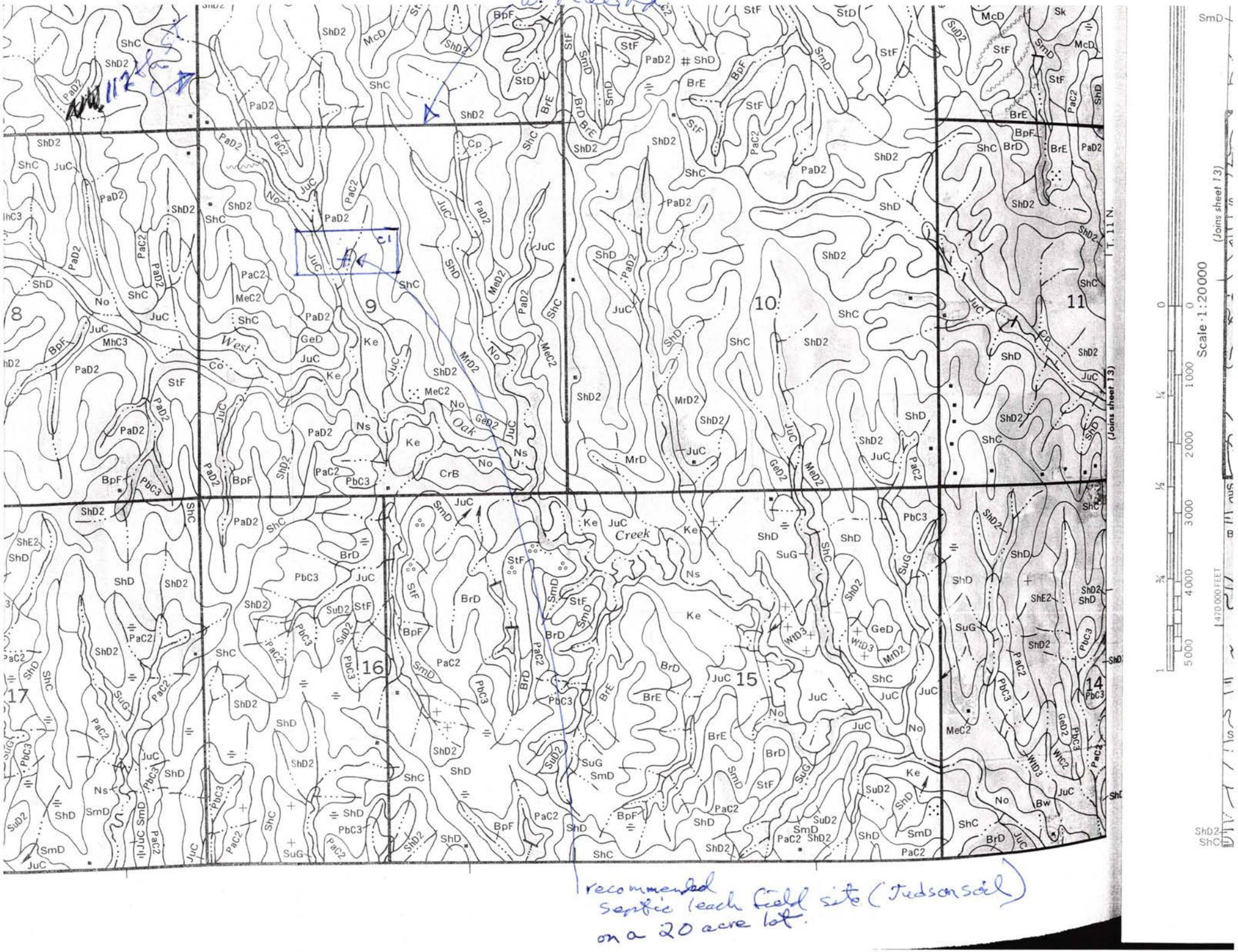
To Ron Marquart,
This is the as built drawing for a Septic System @ 10655 West Mill Road for JimWarrelmann. 1500 Gallon tank with risers to grade. Infiltrator H10 laterals 1050 sq. ft with 3 drop boxes.



PARCEL C1
A TRACT OF LAND LOCATED IN THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 11 NORTH, RANGE 5 EAST OF THE 6TH P.M., LANCASTER COUNTY, NEBRASKA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHEAST CORNER OF SAID NORTHWEST QUARTER; THENCE ON THE EAST LINE OF SAID NORTHWEST QUARTER, ON AN ASSIGNED BEARING OF S 0°19'27"W A DISTANCE OF 1395.11', TO THE POINT OF BEGINNING; THENCE CONTINUING ON SAID EAST LINE, S 0°19'27"W 617.72'; THENCE S 89°59'32"W 1323.58'; THENCE N 0°26'20"E 638.60'; THENCE N 89°59'32"E 651.43'; THENCE N 0°22'53"E 1373.03', TO A POINT ON THE NORTH LINE OF SAID NORTHWEST QUARTER; THENCE ON SAID NORTH LINE, N 89°53'18"E 30.00'; THENCE S 0°22'53"W 1393.96'; THENCE N 89°59'32"E 640.89', TO THE POINT OF BEGINNING, SAID TRACT CONTAINING AN AREA OF 20.03 ACRES, MORE OR LESS.


POINT OF BEGINNING PARCEL A
N 89°53'18"E M=30.00'
NW CORNER, NW 1/4, SEC. 9-11-5
FOUND LAN. CO. SURVEY MARKER
1) FOUND 3/4" PIPE, NE-48.76' & N-33.05'
2) SET #5 REBAR & CAP, S-33.00' & SW-38.72'
89°53'18"E M=2642.47'
W. MILL ROAD
N 89°53'18"E M=650.07'
N 89°53'18"E M=639.51'
POINT OF BEGINNING PARCEL B1
PARCEL A
±20.50 AC TOTAL
±20.01 AC NET
PARCEL B1
±20.49 AC TOTAL
±20.01 AC NET
N 0°26'20"E M=1371.86'
S 0°22'53"W M=1373.03'
N 0°22'53"E M=1393.96'
S 0°19'27"W M=1395.11'
S 0°19'27"W M=2651.61'
S 0°26'20"W M=2629.25'
S 89°59'32"W M=651.43'
N 89°59'32"E M=651.43'
S 89°59'32"W M=640.89'
N 89°59'32"E M=640.89'
POINT OF BEGINNING PARCEL C1
PARCEL C1
±20.03 AC TOTAL
±20.01 AC NET
N 0°26'20"E M=638.60'
S 0°19'27"W M=617.72'
S 89°59'32"W M=1323.58'
N 89°59'32"E M=1323.58'
N 0°26'20"E M=618.78'
PARCEL D
±20.01 AC TOTAL
S 0°19'27"W M=638.78'
S 89°59'33"W M=2613.05'
S 89°59'33"W M=2653.05'
SE CORNER, NW 1/4, SEC. 9-11-5
FOUND #5 REBAR


W. Main Rd
T. 11 N.
West
Oak
Creek
Scale 1:20000
(Joins sheet 13)
recommended septic leach field site (Tedson soil) on a 20 acre lot.