Lincoln-Lancaster County Health Department

ENVIRONMENTAL HEALTH DIVISION

3140 N STREET · LINCOLN, NE 68510-1514 (402) 441-8000

Permit

SEWAGE INSTALLATION
SEPTIC SYSTEM

Establishment

ADAM & JAMIE WESSEL
T11N R5E SEC 18 QTR SW
PARCEL A LOT 32IT
13444 W BLUFF RD-MALCOLM

Permittee

ADAM C & JAMIE S WESSEL
13444 W BLUFF RD
MALCOLM NE 68402

Permit # 02380256301

Issued 10/24/02
Expires 04/24/03
Revenue Code 3157

FEES: $200.00

TOTAL: $200.00

Bruce D. Dart

Bruce D. Dart, Health Director

• POST IN A PROMINENT PLACE • NOT TRANSFERABLE

003063

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

A

Permit Number: 02380256301

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 13444 W Bluff Rd (no rural route) City Malcolm NE, Zip 68402

Legal Description See Attachment PARCEL A. 32'+

1/4	1/4	Section	Township	Range	Subdivision	Addition	Block	Lot
	SW	18	11N	5E				

Geographical Location (if known): Longitude _____ Latitude _____

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

B. Owner

Name Adam C + Jamie S Wessel Signature Adam C Wessel

Address 13444 W Bluff Rd City/State/Zip Malcolm, Ne 68402

☐ Check if owner designed system Home Phone 475-1149 Work Phone _____

C. Contractor

Name ~~Stan~~ KLOESE Company Name DIRT WORKS PLUS INC

Address 7324 BALLARD City/State/Zip LNK NE 68507

☐ Check if contractor designed system Work Phone 560 1208

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

Designer Name _____ Firm _____ Work Phone _____

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 10/24/02 Date frwd 10/30/02	ACTION ☒ Approved ☐ Disapproved Signature Jerrold C. Hood	
2. Supt. Bldg. Insp. or Village Clerk	Date rec'd 11-6-02 Date frwd 11-6-02	ACTION ☒ Approved ☐ Disapproved Signature	
3. City or County Engineer	Date rec'd 10-30-02 Date frwd 10-30-02	ACTION ☒ Approved ☐ Disapproved Signature Jim Theuzeh	

12-18-02, mm

Installation Final Written Approval

By Ron Mayernik

Date 12-20-02

Business Office Use Only

Date Rec'd 10/24/02

Amt Paid 200.00

Rec'd By LS ~~Cash~~/Check No. 5297

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: 023802563

Sewage Disposal System

Soil Absorption Test Data Report

Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address NW 134TH + W BLUFF (no rural route) City Malcolm NE, Zip 68402

Owner Adam C. + Jamie S Wessel Addresss 13444 W Bluff Rd

Soil Type (SCS): SHARPSBURG SILTY CLAY LOAM Percolation Rate: _____ min./inch

Date of Tests 9/18/02 to 9/19/02 Weather: Precipitation _____ Temperature 80°

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	9/18	900	9/19	900AM	9/19	1230	6	9/19	100PM	30	1 1/2"	20MIN/IN
2	26	9/18	900 AM	9/19	900AM	9/19	1230	6	9/19	100 PM	30	1 1/4"	24MIN/IN
3	26	9/18	900	9/19	900	9/19	1230	6	9/19	100 PM	30	1 1/4"	24MIN/IN
4	27	9/18	9:00	9/19	900	9/19	1230	6	9/19	100 PM	30	1 "	30MIN/IN
5	28	9/18	9:00	9/19	900	9/19	1230	6	9/19	100 PM	30	1 "	30MIN/IN
6	25	9/18	9:00	9/19	900	9/19	1230	6	9/19	100 PM	30	1 "	30MIN/IN

Person Conducting Percolation Tests

Name: STAN KROESE

Phone: 560-1208

Address 7324 BALLARD LNK NE 68507

Sum of Percolation Rates: _____

Average of Rates: _____

Rate Used for Calculation: 26 MIN/IN

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks _____

Signature of Reviewing Official Jerrold C. Hood R.E.H.S. Date OCTOBER 24, 2002

FORM 23-101 10-96

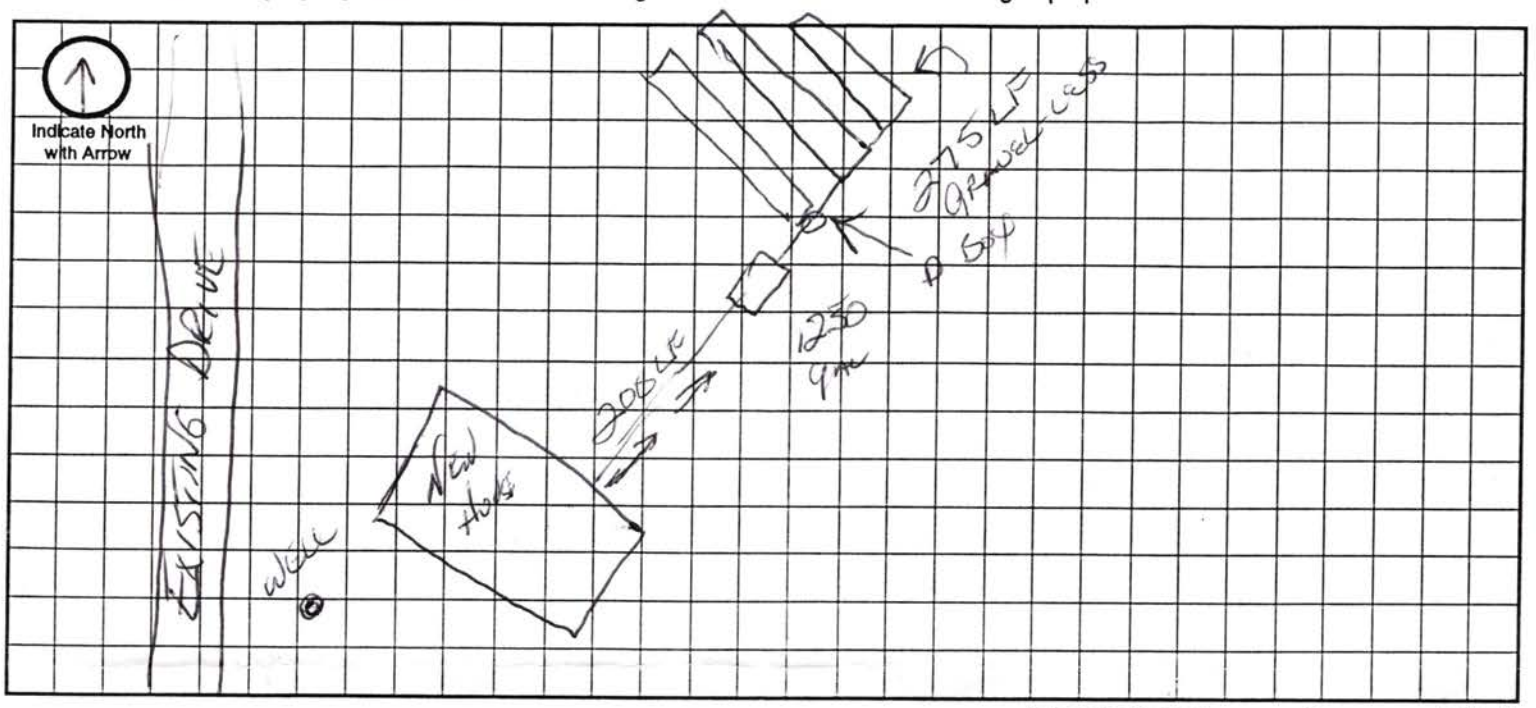
Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

C

Permit Number: 023807563

Sewage Disposal System
Preliminary Plan Specifications

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.



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

A. System Location (Indicate correct number and street)

Address (no rural route) 13444 W Bluff 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 26 (min. per inch) Soil Type: _____ Land Slope: _____ %

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

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

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

Capacity of Septic Tank 1250 gals Number of Absorption Beds: _____ Number of Distribution Laterals per Bed _____

Total Length of Laterals 275 ft. Number of Trenches 3 Trench Width 4

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 * Adam C Wessel Date 9-19-02

Installer _____ Date 10/21/02

FORM 23-102 10-96

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

D

Permit Number:

Sewage Disposal System
As Built Plans & Specifications

Date 12/18/02

System Location (Indicate correct number and street)
Address 13444 W BLUFF (no rural route) City _____ NE, Zip _____

A. Building Sewer
1. Material: CLS 160
   Diameter: 4 in.
2. Distance above basement floor: _____ in.
   or distance below basement floor: 36 in.
3. Distance between dwelling and septic tank: 186 ft.
4. Number of clean-outs: 3
5. Distances to: well or suction line 100+ ft.
   stream 100+ ft.
   pressure line 100+ ft.
   property line 100+ ft.

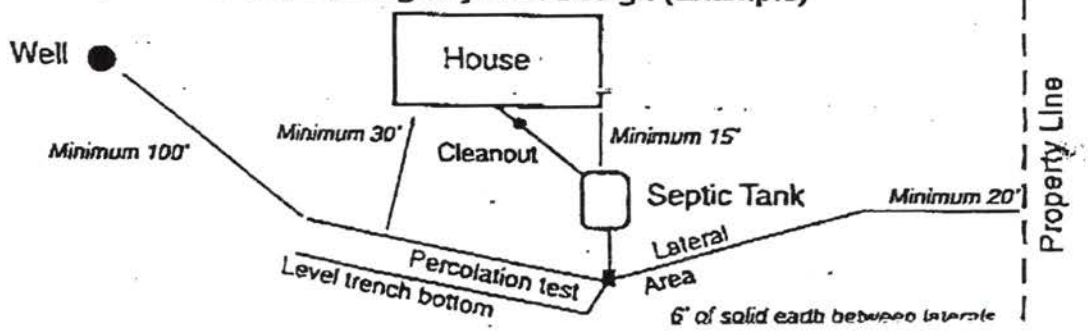
Septic Tank
1. Material: CONC
   Number of compartments: 1
2. Capacity: 1250 gal.
3. Factory built: ☑ Yes ☐ No
4. Manholes: Over inlet, diameter _____ in.
   Over outlet, diameter _____ in.
   Riser: ☑ above ☐ below grade 2 in.
5. Inlet: ☑ baffle ☐ tee
6. Outlet: ☑ baffle ☐ tee
7. Depth to top of tank, below unfinished grade: 12 in.
8. Distances to: Well or suction line 100+ ft.
   Stream 100+ ft.
   Pressure line 100+ ft.
   Property line 100+ ft.

C. Distribution Box
1. Material: CONC
   Number available outlets: _____
2. Factory built: ☑ Yes ☐ No
3. Distance from septic tank: 10 ft.

D. Absorption Field
(Provide as-built drawings on back of this form)
1. Type: ☐ Half rounds ☐ Perforated pipe
   Diameter of half round: _____
   or perforated pipe: _____
   Material: ☐ fiberglass ☐ plastic ☐ concrete
   ☑ other INFILTRATOR
2. Lateral lines: Number 3
   Length of each line: 100 ft. 100 ft.
   75 ft. _____ ft. _____ ft.
3. Trench dimensions: Width 4 ft.
   Slope 0 in/100 ft.
   Average depth 28 in
4. Filter material: GRAVEL-LESS
   Depth of material N/A in.
5. Distances to: Well or suction line 100+ ft.
   Stream 100+ ft.
   Pressure line 100+ ft.
   Property line 100+ ft.

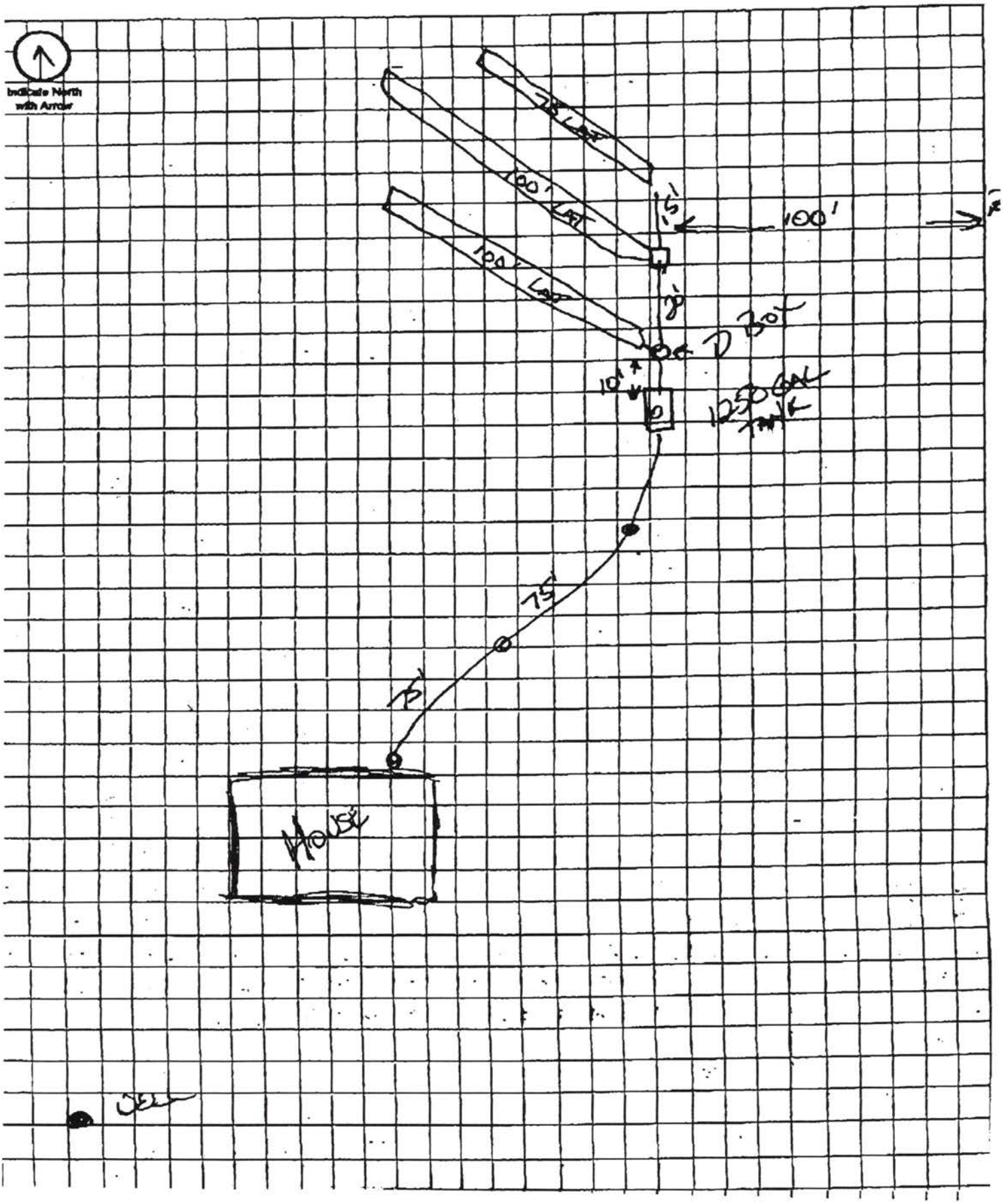
Complete "As Built" drawing on back of this form.

Individual Sewage System Design (Example)

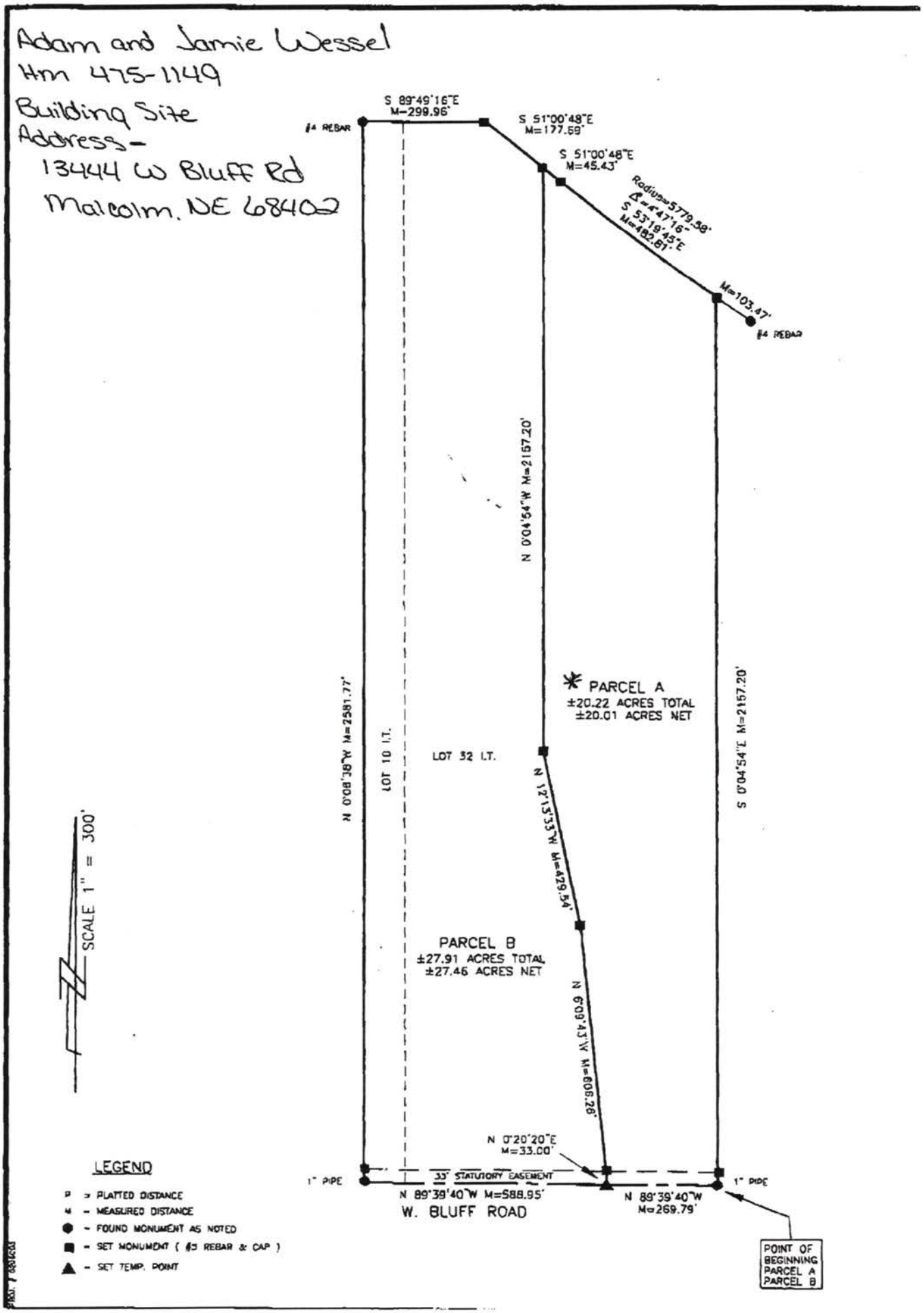


23-103 10-96

As Built Drawing



Adam and Jamie Wessel
Hm 475-1149
Building Site
Address-
13444 W Bluff Rd
Malcolm, NE 68402



Adam and Jamie Wessel
Hm: 475-1149
building Site Address
13444 W Bluff Rd
Malcolm, NE 68402

BOUNDARY SURVEY

LOTS 10 & 32 I.T., IN THE SW 1/4
SEC. 18, T 11 N, R 5 E
LANCASTER COUNTY, NEBRASKA

LEGAL DESCRIPTION

*PARCEL A

THAT PART OF LOT 32 IRREGULAR TRACT, LOCATED IN THE SOUTHWEST QUARTER OF SECTION 18, TOWNSHIP 11 NORTH, RANGE 5 EAST OF THE 6TH P.M., LANCASTER COUNTY, NEBRASKA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF SAID LOT 32 IRREGULAR TRACT, SAID POINT BEING ON THE SOUTH LINE OF SAID SOUTHWEST QUARTER; THENCE ON SAID SOUTH LINE OF SAID SOUTHWEST QUARTER ON AN ASSIGNED BEARING OF N 89°39'40"W A DISTANCE OF 269.79'; THENCE N 0°20'20"E 33.00'; THENCE N 6°09'43"W 606.26'; THENCE N 12°13'33"W 429.54'; THENCE N 0°04'54"W 2157.20', TO A POINT ON THE NORTHEASTERLY LINE OF SAID LOT 32; THENCE ON SAID NORTHEASTERLY LINE, S 51°00'48"E 45.43', TO A POINT ON A CIRCULAR CURVE TO THE LEFT, HAVING A RADIUS OF 5779.58' AND A CENTRAL ANGLE OF 4°47'16"; THENCE ON THE CHORD OF SAID CURVE, S 53°19'45"E 482.81', TO THE NORTHEAST CORNER OF SAID LOT 32; THENCE ON THE EAST LINE OF SAID LOT 32, S 0°04'54"E 2157.20', TO THE POINT OF BEGINNING, SAID TRACT CONTAINING AN AREA OF 20.22 ACRES, MORE OR LESS.

PARCEL B

ALL OF LOTS 10 AND 32 IRREGULAR TRACTS, LOCATED IN THE SOUTHWEST QUARTER OF SECTION 18, TOWNSHIP 11 NORTH, RANGE 5 EAST OF THE 6TH P.M., LANCASTER COUNTY, NEBRASKA, EXCEPT THAT PART MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF SAID LOT 32 IRREGULAR TRACT, SAID POINT BEING ON THE SOUTH LINE OF SAID SOUTHWEST QUARTER; THENCE ON SAID SOUTH LINE OF SAID SOUTHWEST QUARTER ON AN ASSIGNED BEARING OF N 89°39'40"W A DISTANCE OF 269.79'; THENCE N 0°20'20"E 33.00'; THENCE N 6°09'43"W 606.26'; THENCE N 12°13'33"W 429.54'; THENCE N 0°04'54"W 2157.20', TO A POINT ON THE NORTHEASTERLY LINE OF SAID LOT 32; THENCE ON SAID NORTHEASTERLY LINE, S 51°00'48"E 45.43', TO A POINT ON A CIRCULAR CURVE TO THE LEFT, HAVING A RADIUS OF 5779.58' AND A CENTRAL ANGLE OF 4°47'16"; THENCE ON THE CHORD OF SAID CURVE, S 53°19'45"E 482.81', TO THE NORTHEAST CORNER OF SAID LOT 32; THENCE ON THE EAST LINE OF SAID LOT 32, S 0°04'54"E 2157.20', TO THE POINT OF BEGINNING, SAID TRACT CONTAINING AN AREA OF 20.22 ACRES, MORE OR LESS.

SURVEYOR'S CERTIFICATE

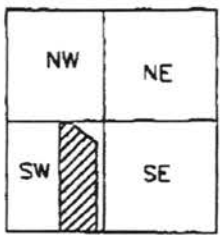
I, THE UNDERSIGNED, A DULY REGISTERED LAND SURVEYOR IN AND FOR THE STATE OF NEBRASKA, DO HEREBY CERTIFY THAT I CAUSED A SURVEY TO BE MADE OF THE FORGOING DESCRIBED PROPERTY, AND THAT THE RESULTS OF SAID SURVEY ARE TRULY AND ACCURATELY DEPICTED HEREON, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

IN TESTIMONY WHEREOF WITNESS MY HAND AND SEAL THIS 14th DAY OF JUNE, 2002.

BILLY JOE KERR, LS #483

NEBRASKA REGISTERED LS-483 LAND SURVEYOR BILLY JOE KERR

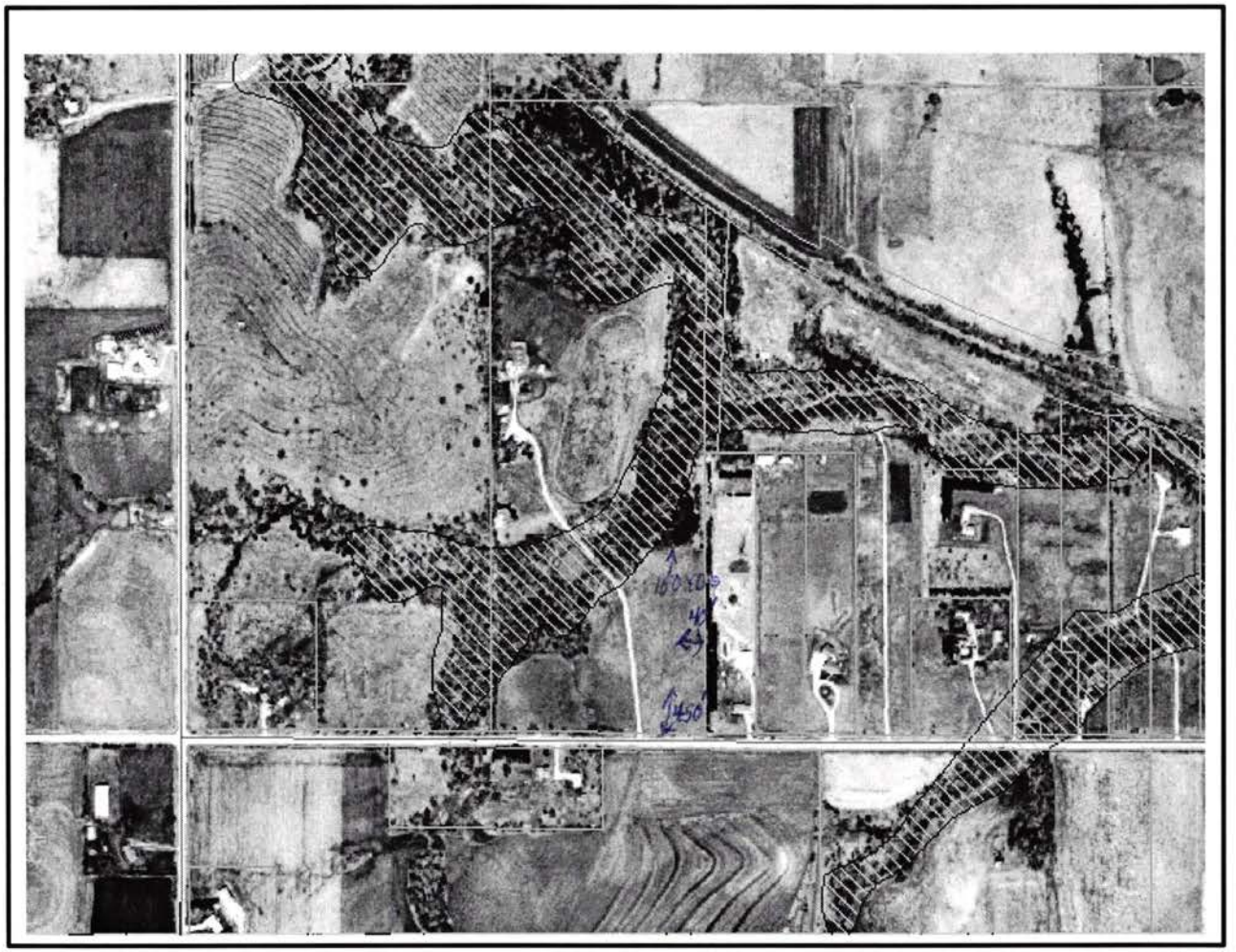
LOCATION SKETCH
NOT TO SCALE



K & M INC.
LAND SURVEYING
540 W. INDUSTRIAL LAKE DR. #1
LINCOLN, NE 68528
(402) 476-3020
(402) 476-3138 FAX

ESRI ArcExplorer 2.0

Map Title



streets

Parcels

FLOOD (POLY_CODE)

1

2

3

4

5

N

Thursday, Oct 24 2002