Lincoln-Lancaster County Health Department

ENVIRONMENTAL PUBLIC HEALTH DIVISION

3140 N STREET · LINCOLN, NE 68510-1514

009129

(402) 441-8000

Permit: SEWAGE INSTALLATION

Permit # 06380322301

Issued 07/11/06

Expires 07/11/07

Revenue Code 3157

Establishment:
DAVE HANSEL
T8N R7E SEC 27 QTR NW
NE 1/4 OF NW 1/4
7201 MARTELL RD-HICKMAN

FEES: $275.00

Permittee:
DAVE HANSEL
4122 SOUTH GATE BLVD
LINCOLN NE 68506

TOTAL: $275.00

Bruce D. Dart

Bruce D. Dart, Health Director

EPH COPY

JUL 20 2006

A

Permit Number: 06380322301

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

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 7201 MARTELL RD City HICKMAN NE, Zip 68372
(no rural route)

Legal Description See attached sheet - 40 acre Plot
1/4: NE 1/4: NW Section: 27 Township: 8N Range: 7E 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 DAVE HANSEL Signature Dave Hansel % Stan Reese

Address 4122 S. 68TH BLVD City/State/Zip LINCOLN NE 68506

☐ Check if owner designed system Home Phone 488-9117 Work Phone _____

C. Contractor

Name ~~DEE~~ STAN REESE Company Name DIRT WORKS PLUS INC

Address 16167 NW 48TH City/State/Zip LNK NE 68524

☑ Check if contractor designed system Work Phone _____

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 3 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 7/11/06 Date frwd 7/21/06 **ACTION** ☒ Approved ☐ Disapproved Signature Jerrold C. Hood
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd 7/13/06 Date frwd 7/19/06 **ACTION** ☒ Approved ☐ Disapproved Signature Cheryl Scott
3. **City or County Engineer** Date rec'd 7/21/06 Date frwd 7/21/06 **ACTION** ☒ Approved ☐ Disapproved Signature _____

~~7/27/06 NEED DRAWING J.G.H.~~

Installation Final Written Approval

By Jerrold C. Hood R.E.H.S.

Date AUGUST 1, 2006

Business Office Use Only

Date Rec'd 7/11/06
Amt Paid #275.00
Rec'd By _____ Cash/Check No. [redacted] 8807

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: 06380323

Sewage Disposal System

Soil Absorption Test Data Report

Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address 7201 MARTELL RD (no rural route) City HICKMAN NE, Zip 68372

Owner DAVE HANSEL Addresss 4122 So GATE BLVD LNKNE 68506

Soil Type (SCS): LOAM Percolation Rate: 41 min./inch

Date of Tests 6/27/06 to 6/28/06 Weather: Precipitation 0 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	36"	6/27	10A	6/28	10A	6/28	10A	6	6/28	2P	30	3/4	40
2	36	6/27	10A	6/28	10A	6/28	10A	6	6/28	2P	30	3/4	40
3	36	6/27	10A	6/28	10A	6/28	10A	6	6/28	2P	30	7/8	34
4	36	6/27	10A	6/28	10A	6/28	10A	6	6/28	2P	30	5/8	48
5	36	6/27	10A	6/28	10A	6/28	10A	6	6/28	2P	30	3/4	40
6	36	6/27	10A	6/28	10A	6/28	10A	6	6/28	2P	30	3/4	40

Person Conducting Percolation Tests

Name: STAN KROESE

Phone: 560 1808

Address 6667 NW 48TH LNK NE 68524

Sum of Percolation Rates: 242

Average of Rates: 40.3

Rate Used for Calculation: 41

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks

Signature of Reviewing Official: Jerrold C. Hood R.E.H.S. Date JULY 21, 2006

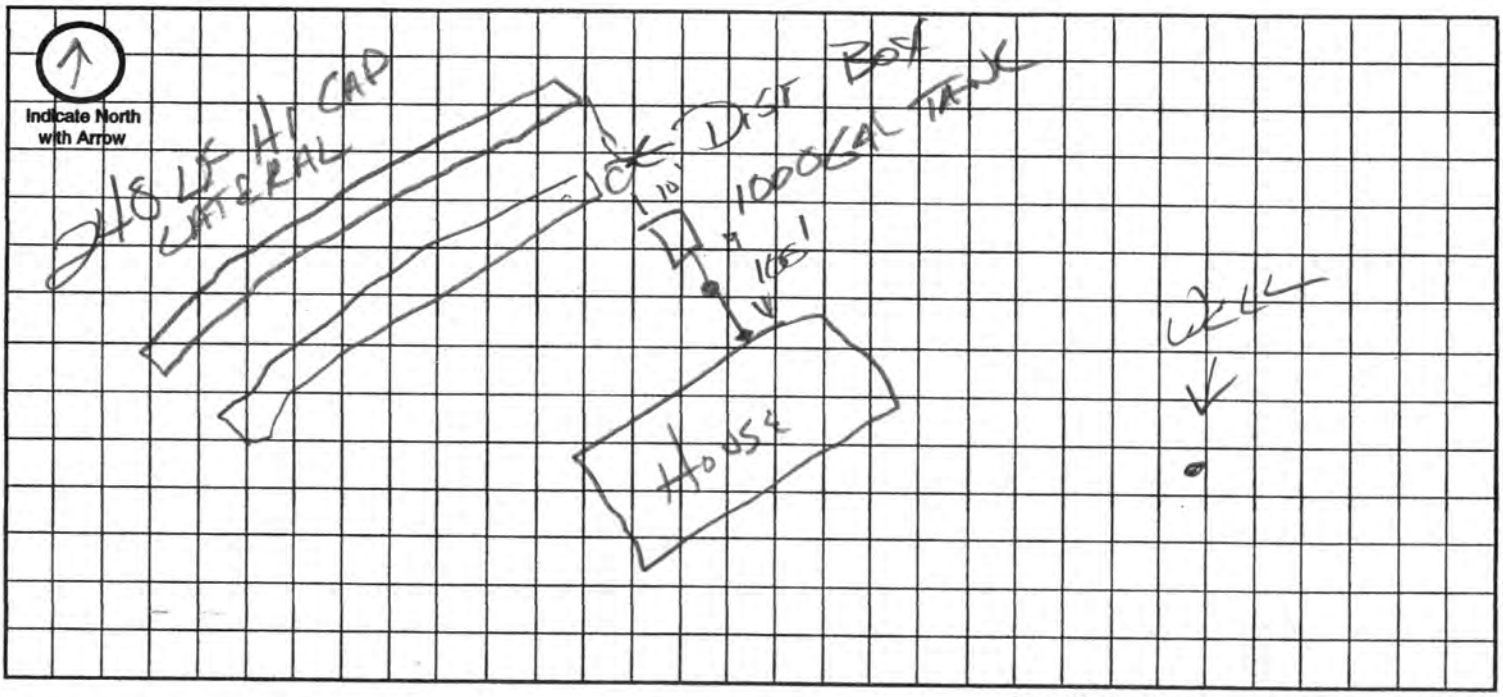
Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

C

Permit Number: 06380322 3

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) 7201 MARTELL City HICKMAN NE, Zip 68372

B. Proposed Septic Tank/s

Tank Material: ☑ Concrete ☐ Plastic ☐ Other _____

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

Percolation Rate 41 (min. per inch) Soil Type: LOAM Land Slope: 2 %

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

Total Square Feet of Field Required: 990 sq. ft.

Type of Lateral: ☐ Half-Moon ☐ Perforated Pipe ☐ Other Lateral Material: INFILTRATOR A1 CAP

Capacity of Septic Tank 1000 gals Number of Absorption Beds: _____ Number of Distribution Laterals per Bed _____

Total Length of Laterals 248 ft. Number of Trenches 2 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 _____ Date 6/30/06

Installer _____ Date 6/30/06

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

D

Permit Number:

Sewage Disposal System

As Built Plans & Specifications

Date 7/27/06

System Location (Indicate correct number and street)

Address 7201 Martell Rd (no rural route) City Hickman NE, Zip 68372

A. Building Sewer

1. Material: CLS 160
   Diameter: 4" in.
2. Distance above basement floor: _____ in.
   or distance below basement floor: 24 in.
3. Distance between dwelling and septic tank: 100 ft.
4. Number of clean-outs: 2
5. Distances to: well or suction line 50+ ft.
   stream NA ft.
   pressure line 30' ft.
   property line 200+' ft.

B. Septic Tank

1. Material: Conc.
   Number of compartments: 1
2. Capacity: 1000 gal.
3. Factory built: ☑ Yes ☐ No
4. Manholes: Over inlet, diameter _____ in.
   Over outlet, diameter _____ in.
   Risers: ☑ above ☐ below grade 1" in.
5. Inlet: ☑ baffle ☐ tee
6. Outlet: ☑ baffle ☐ tee
7. Depth to top of tank, below unfinished grade: 10" in.
8. Distances to: Well or suction line 100+ ft.
   Stream 100+ ft.
   Pressure line 75' ft.
   Property line 200' ft.

C. Distribution Box

1. Material: Conc.
   Number available outlets: 5
2. Factory built: ☑ Yes ☐ No
3. Distance from septic tank: 11 ft.

D. Absorption Field

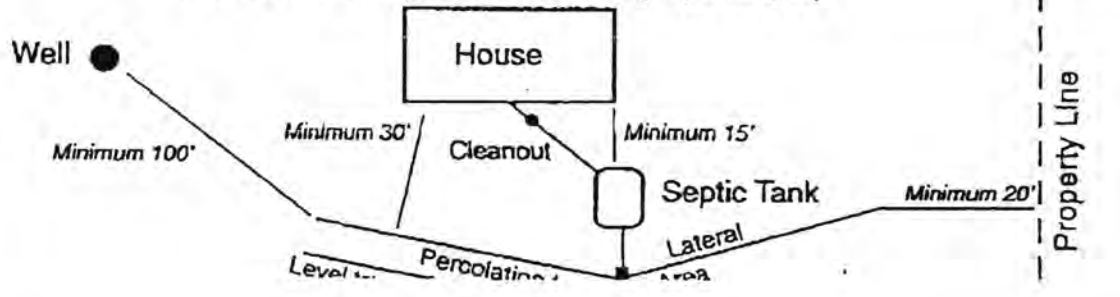
(Provide as-built drawings on back of this form)

1. Type: ☐ Half rounds ☐ Perforated pipe
   Diameter of half round: _____
   or perforated pipe: _____
   Material: ☐ fiberglass ☐ plastic ☐ concrete
   ☑ other Infiltrator Hi CAP
2. Lateral lines: Number 3
   Length of each line: 100' ft. 60' ft.
   88' ft. _____ ft. _____ ft.
3. Trench dimensions: Width 36" ft.
   Slope 0 in/100 ft.
   Average depth 30" in
4. Filter material: Gravelless
   Depth of material 4" in.
5. Distances to: Well or suction line 100+ ft.
   Stream 100+ ft.
   Pressure line 100+ ft.
   Property line 30' ft.

Indicate North with Arrow

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

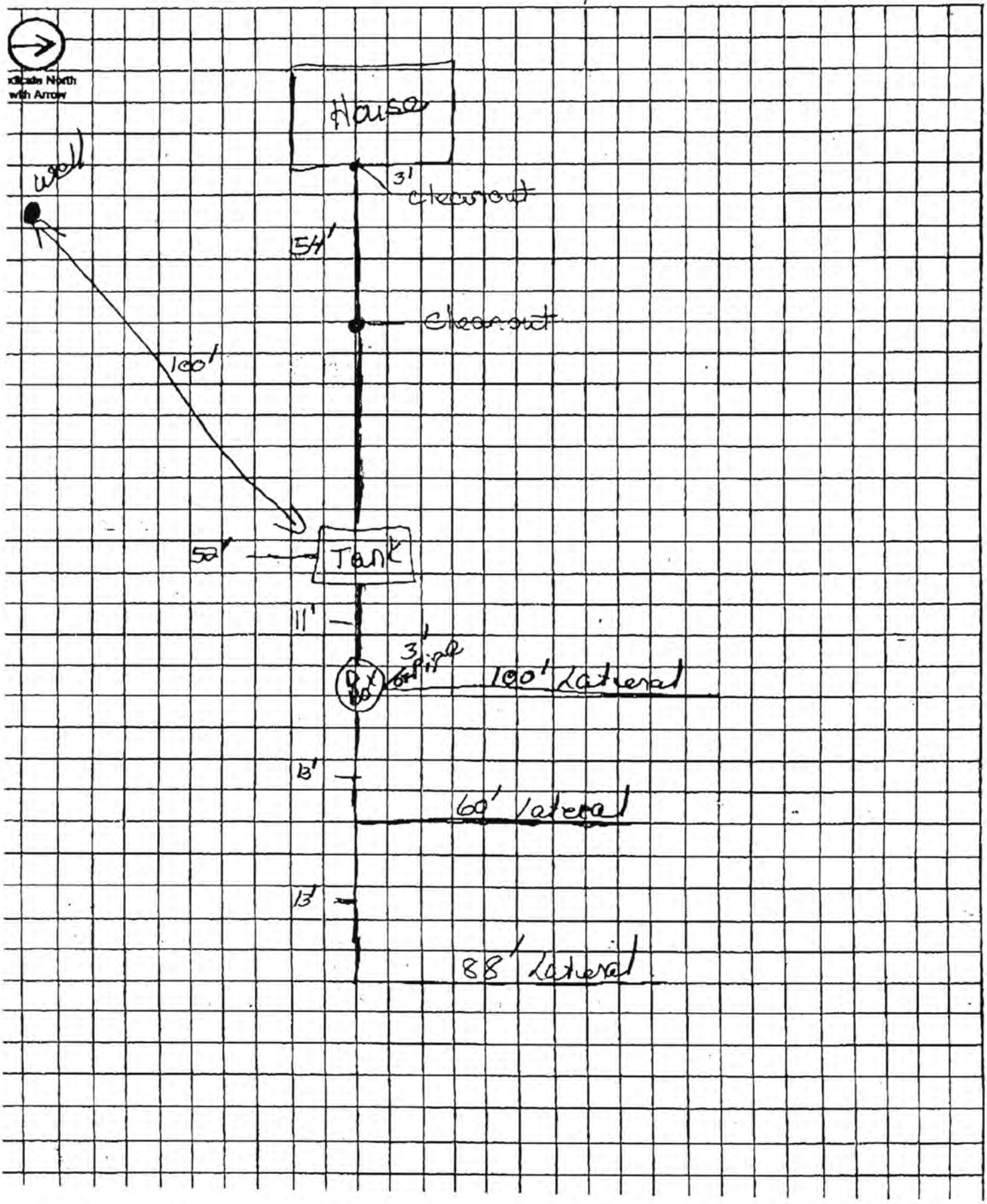
Individual Sewage System Design (Example)



07/31/06 09:00A P.002 402 325 0530 Dirt Works Plus, Inc

7201 Martell Rd
7201 Martell Rd
Hickman

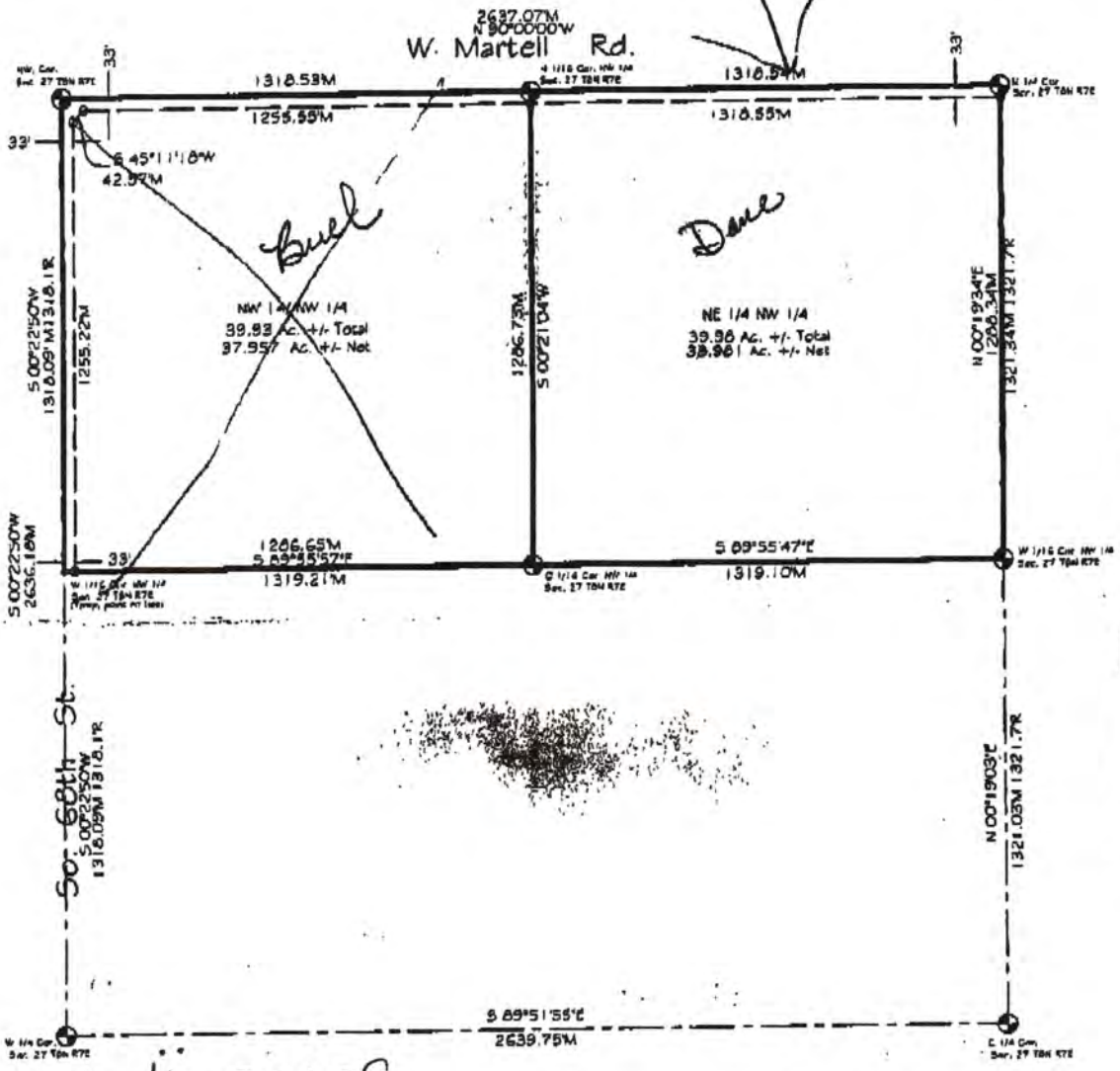
Frey Const.



Official Survey Record

A survey of the Northeast and the Northwest Quarter of the Northwest Quarter of Section 27 Township 8 North Range 7 East of the Sixth Principal Meridian, Lancaster County, Nebraska.

Work Order # [illegible] December 6, 2005



40 acres

Legal Descpt

For 7201 Martell Rd

Dave Hansel - owner.

Troy Custom Homes - Builder

Legend

M = Measured

P = Platted

● = Fd. 1" Pipe

○ = Set 3/4" x 24" Rebar & Cap