Lincoln-Lancaster County Health Department

ENVIRONMENTAL HEALTH DIVISION

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

Permit

SEWAGE INSTALLATION
SEPTIC SYSTEM

Establishment

THOMAS &ALICE WILSON
T12N R6E SEC 31
IRREGULAR TRACT LOT 15&29
15401 NW 48 ST-RAYMOND

Permittee

THOMAS &ALICE WILSON
7245 THURSTON ST
LINCOLN NE 68507

Permit # 01380238501

Issued 10/01/01
Expires 04/01/02
Revenue Code 3157

FEES: $200.00

TOTAL: $200.00

Bruce D. Dart

Bruce D. Dart, Health Director

• POST IN A PROMINENT PLACE • NOT TRANSFERABLE

000188

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

A

Permit Number: 013802385

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 15401 NW 48 ST (no rural route) City RAYMOND NE, Zip 68428

Legal Description 31 12N 6E ~~15T 11 29 F.T.~~ Now Lot 32
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 THOMAS C & ALICE F WILSON Signature Thomas C Wilson

Address 7245 THURSTON City/State/Zip LINCOLN 68507

☐ Check if owner designed system Home Phone 466-2050 Work Phone _____

C. Contractor

Name GERALD STERNS Company Name STERNS CONST

Address 350 MADISON City/State/Zip BENNET NEBR 68317-002

☒ Check if contractor designed system Work Phone 450-0744

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 9-28-01 Date frwd _____ **ACTION** ☒ Approved ☐ Disapproved Signature Paul Dougherty
2. ~~**Supt. Bldg. Insp. or Village Clerk**~~ Engineer Date rec'd 10/10/01 Date frwd 10/10/01 **ACTION** ☒ Approved ☐ Disapproved Signature D Pillen
   Not in flood plain
3. ~~**City or County Engineer**~~ Date rec'd 9-28-01 Date frwd _____ **ACTION** ☒ Approved ☐ Disapproved Signature Everett Thorsen
   Raymond Village Clerk

Installation Final Written Approval

By Paul Dougherty

Date 4-11-02

Business Office Use Only
Date Rec'd 10/01/01
Amt Paid 200.00
Rec'd By CW Cash/Check No. 1016

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

B

Permit Number: 013802385

Sewage Disposal System
Soil Absorption Test Data Report
Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address 15401 NW 48th (no rural route) City Raymond NE, Zip

Owner Tom Wilson Addresss

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

Date of Tests 6/5/01 to 6/6/01 Weather: Precipitation 0 Temperature 70

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	6/5	4:00	6/6	1:00	6/6	1:00	6	6/6	5:00	30	1 3/4	17
2	36	6/5	4:00	6/6	1:00	6/6	1:00	6	6/6	5:00	30	2 1/2	12.
3	36	6/5	4:00	6/6	1:00	6/6	1:00	6	6/6	5:00	30	1 1/4	24.
4	36	6/5	4:00	6/6	1:00	6/6	1:00	6	6/6	5:00	30	1 1/2	20.
5	36	6/5	4:00	6/6	1:00	6/6	1:00	6	6/6	5:00	30	1 1/2	20
6	36	6/5	4:00	6/6	1:00	6/6	1:00	6	6/6	5:00	30	2	15.

Person Conducting Percolation Tests

Name: Tom Burt Design Associates

Phone:

Address

Sum of Percolation Rates: 108

Average of Rates: 18

Rate Used for Calculation:

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks

Signature of Reviewing Official Paul Davidson Date 9-28-01

FORM 23-101 10-96

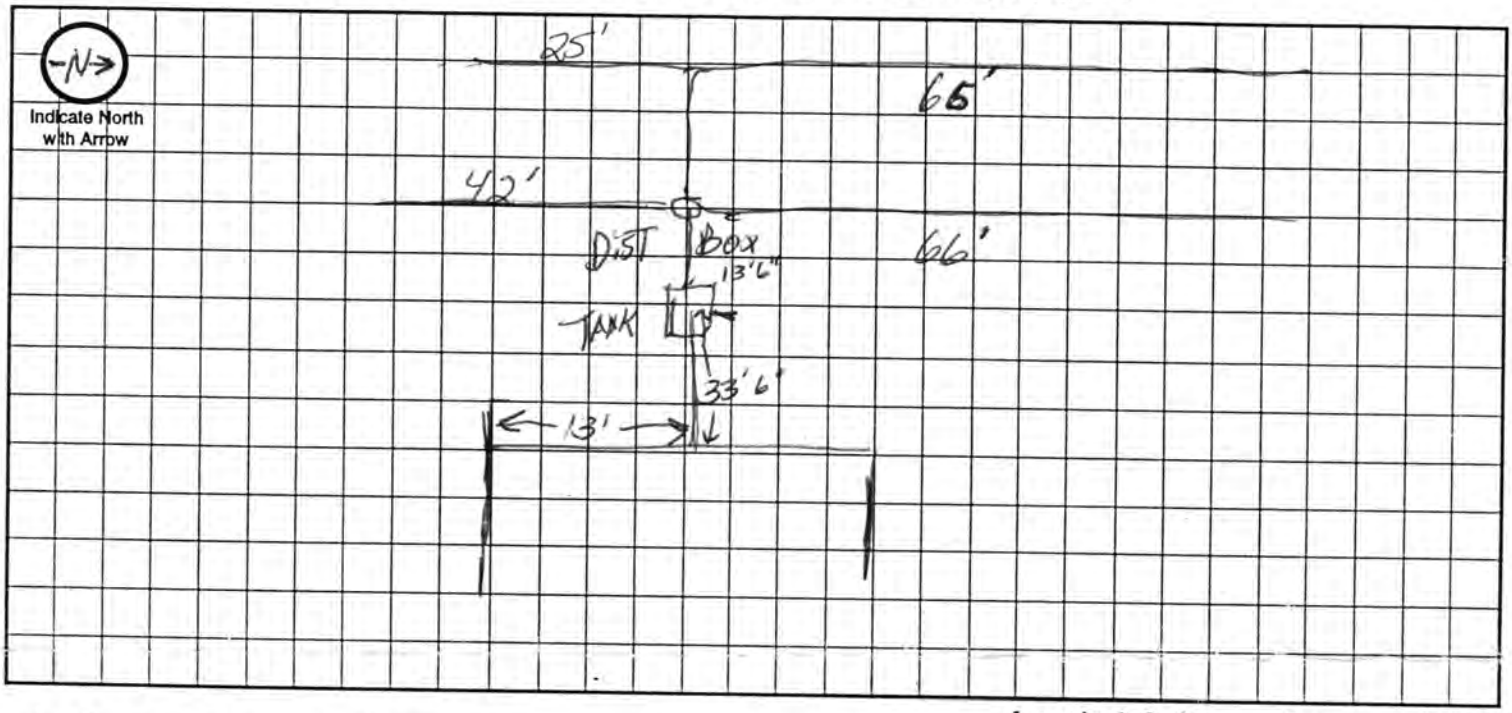
Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

C

Permit Number: 013802385

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) 15401 N.W. 48th City RAYMOND NE, Zip 68428

B. Proposed Septic Tank/s

Tank Material: ☑ Concrete ☐ Plastic ☐ Other _____

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

Percolation Rate 18 (min. per inch) Soil Type: Dickinson Land Slope: steep %

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

Total Square Feet of Field Required: 630 sq. ft.

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

Capacity of Septic Tank 1000 gals Number of Absorption Beds: 4 Number of Distribution Laterals per Bed 1

Total Length of Laterals 200 ft. Number of Trenches 4 Trench Width 3'

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 _____

Installer Donald St _____ Date 9/28/01

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: 013802385

Sewage Disposal System

As Built Plans & Specifications

Date 9-28-01

System Location (Indicate correct number and street)

Address 15401 NW 48th (no rural route) City Raymond NE, Zip 68528

A. Building Sewer

1. Material: P.V.C SCH 40
   Diameter: 4" in.
2. Distance above basement floor: ~~22~~ in.
   or distance below basement floor: 24 in.
3. Distance between dwelling and septic tank: ~~33'6"~~ ft.
4. Number of clean-outs: 1
5. Distances to: well or suction line 150 ft.
   stream 300 ft.
   pressure line 30 ft.
   property line 150+ ft.

B. Septic Tank

1. Material: CONCRETE
   Number of compartments: 1
2. Capacity: 1000 gal.
3. Factory built: ☑ Yes ☐ No
4. Manholes: Over inlet, diameter 8" x 12" in.
   Over outlet, diameter 8" x 12" in.
   Riser: ☐ above ☑ below grade 12" 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 150' ft.
   Stream ~~300'~~ ft.
   Pressure line 50' ft.
   Property line 150+ ft.

C. Distribution Box

1. Material: PLASTIC
   Number available outlets: 7
2. Factory built: ☑ Yes ☐ No
3. Distance from septic tank: 13 ft.

D. Absorption Field

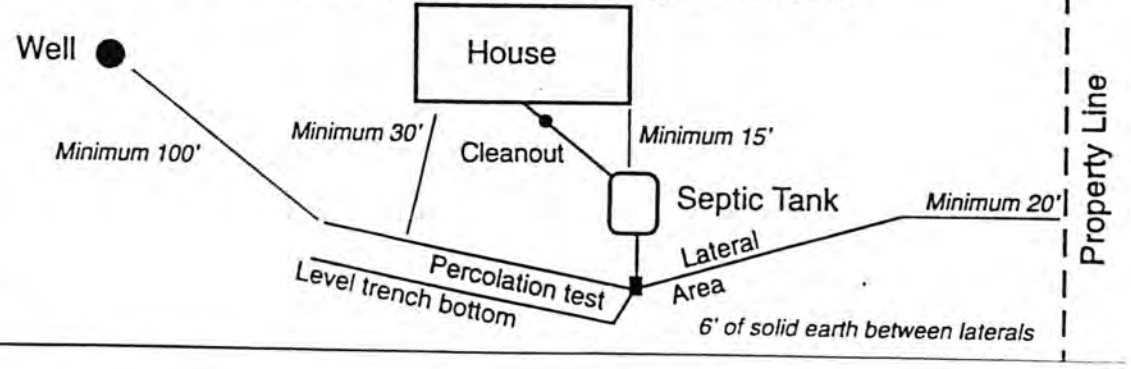
(Provide as-built drawings on back of this form)

1. Type: ☑ Half rounds ☐ Perforated pipe
   Diameter of half round: 16" infiltrator
   or perforated pipe:
   Material: ☐ fiberglass ☑ plastic ☐ concrete
   ☐ other
2. Lateral lines: Number 4
   Length of each line: 66 ft. 66 ft.
   41 ft. 37'6 ft., ft.
3. Trench dimensions: Width 3' ft.
   Slope 0 in/100 ft.
   Average depth 3' in
4. Filter material: gravel
   Depth of material 18" in.
5. Distances to: Well or suction line 105 ft.
   Stream 300 ft.
   Pressure line 30 ft.
   Property line ~~30~~ 150+ ft.

Indicate North with Arrow

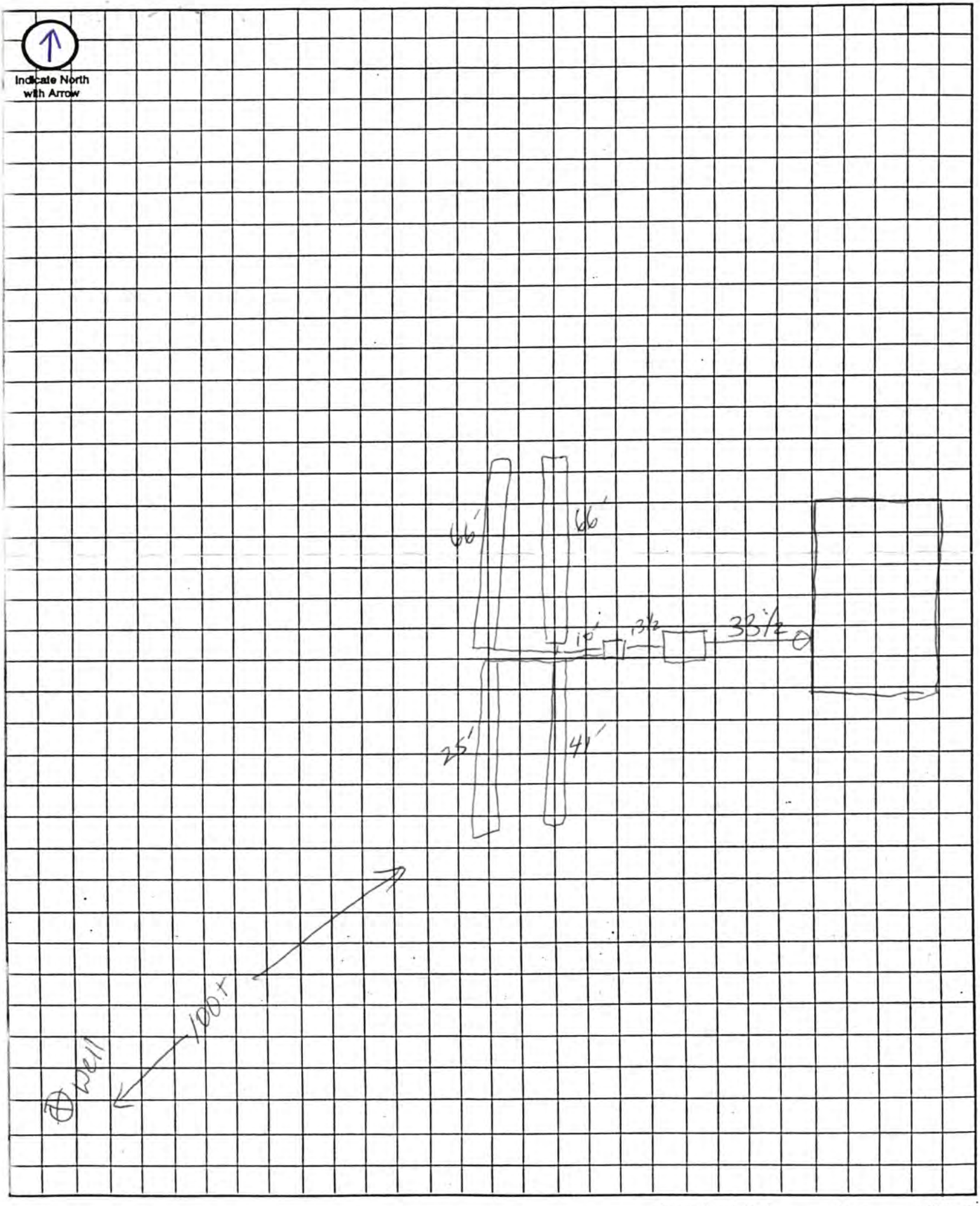
Complete "As Built" drawing on back of this form.

Individual Sewage System Design (Example)

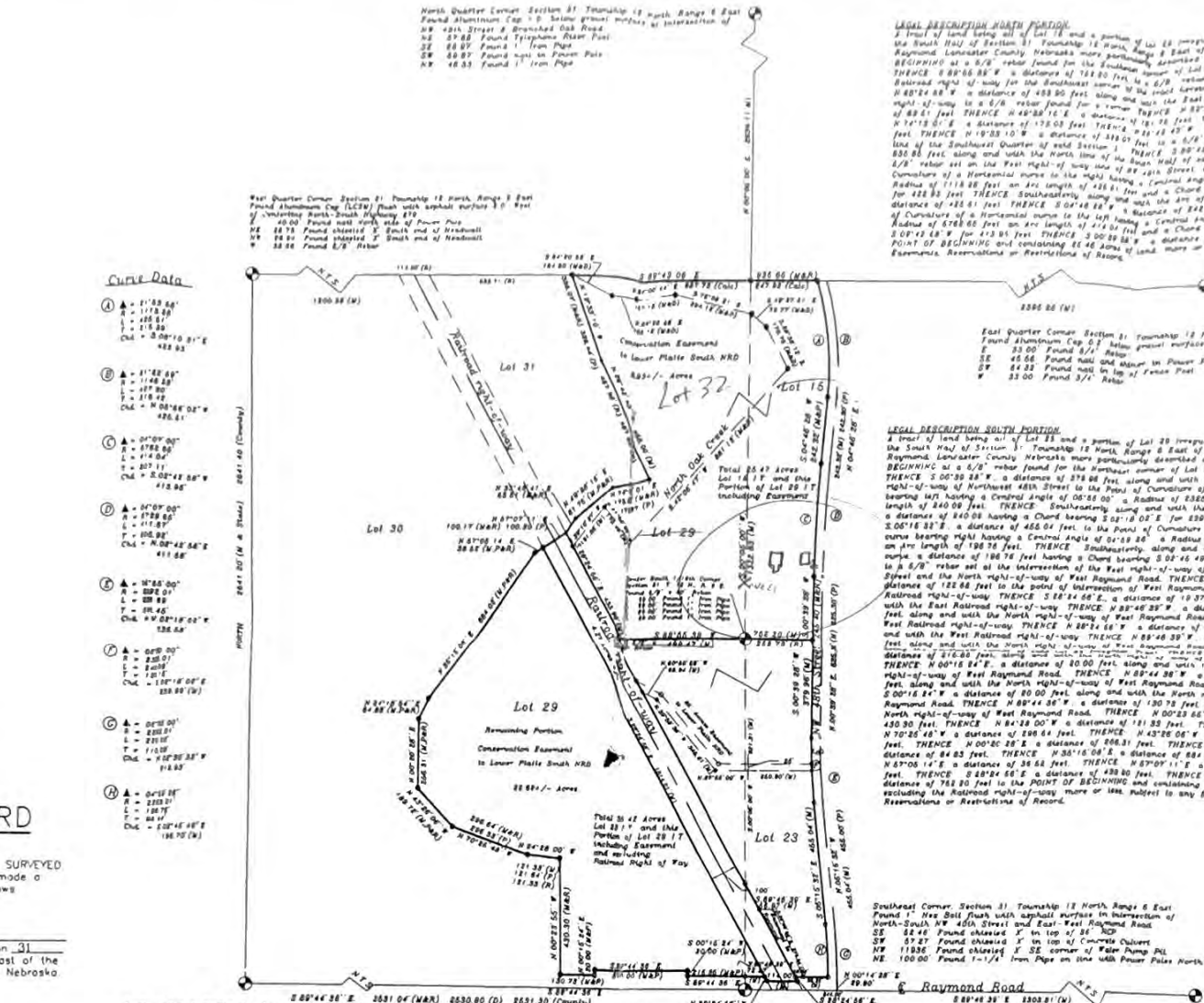


FORM 23-103 10-96

As Built Drawing



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



SCALE: 1" = 300'
DATE: 09/09/00

LEGEND

- ✣ = Section Corner
- ● = Corner Found
- ○ = Corner Set
- (P) = Platted Distance/Angle
- (M) = Measured Distance/Angle
- (D) = Deeded Distance/Angle
- (R) = Recorded Distance/Angle
- ——— = Fence
- N.T.S. = NOT TO SCALE

SURVEY RECORD

TO ALL PARTIES INTERESTED IN PREMISES SURVEYED
This is to notify that I have, this date, made a survey on the property described as follows

Town Raymond
Located in the S 1/2 ~~XXXXXX~~ of Section 31
Township 12 North, Range 6 East of the Sixth P.M. Lancaster County, Nebraska

BOUNDARY CERTIFICATE

I, Dean M. Connett, a Registered Professional Land Surveyor under the laws of the State of Nebraska, Certify the above survey was executed by me, or under my direct supervision. Permanent monument corners consisting of 5/8" x 30" rebar were placed at all missing or remonumented corners as shown on the drawing. Distances shown are measured in feet and decimals of a foot.

Dean M. Connett
LS-249

NEBRASKA REGISTERED SEP 14 2000 LAND SURVEYOR DEAN M. CONNETT LS-249

North Quarter Corner Section 31 Township 12 North Range 6 East
Found Aluminum Cap 1.0' below ground surface at intersection of
NW 48th Street & Branched Oak Road
NE 57.68 Found Telephone Riser Post
SE 68.07 Found 1" Iron Pipe
SW 66.97 Found nail in Power Pole
NW 48.53 Found 1" Iron Pipe

West Quarter Corner Section 31 Township 12 North, Range 6 East
Found Aluminum Cap (LCSM) flush with asphalt surface 1.0' East of centerline North-South Highway 279
40.00 Found nail North side of Power Pole
NE 68.78 Found chiseled 'X' South end of Headwall
NW 98.84 Found chiseled 'X' South end of Headwall
W 33.56 Found 5/8" Rebar

East Quarter Corner Section 31 Township 12 North, Range 6 East
Found Aluminum Cap 0.3' below ground surface North-South NW 40th Street
E 33.00' Found 5/8" Rebar
SE 45.66 Found nail and washer in Power Pole
SW 64.32 Found nail in top of Fence Post
W 33.00 Found 5/8" Rebar

Southeast Corner, Section 31, Township 12 North, Range 6 East
Found Aluminum Cap (LCSM) flush with asphalt surface in Intersection of North-South Highway 279 and East-West Raymond Road.
NE 61.35 Found 3/4" Iron Pipe
SE 62.75' Found nail in East side of Power Pole.
SW 59.85 Found 1" Iron Pipe
NW 57.40 Found S.E. corner of Telephone Pedestal.

Southwest Corner, Section 31, Township 12 North, Range 6 East
Found 1" Hex Bolt flush with asphalt surface in intersection of North-South NW 40th Street and East-West Raymond Road.
SE 62.46 Found chiseled 'X' on top of S.E. NDP
SW 67.27 Found chiseled 'X' in top of Concrete Culvert
NW 11936 Found chiseled 'X' SE corner of Water Pump Pit
NE 100.00' Found 1-1/4" Iron Pipe on line with Power Poles North

South Quarter Corner, Section 31, Township 12 North, Range 6 East
Found 1-1/4" Iron Bar with Punch Mark flush with asphalt surface in East-West Raymond Road.
N 46.00' Found Aluminum Cap (LCSM R/W)
SE 66.00 Found Aluminum Cap (LCSM R/W)
S 35.10 Found Aluminum Cap (LCSM R/W)
NW 83.00 Found Aluminum Cap (LCSM R/W)

LEGAL DESCRIPTION NORTH PORTION

A tract of land being all of Lot 15 and a portion of Lot 29 Irregular Tracts located in the South Half of Section 31, Township 12 North, Range 6 East of the 6th P.M. Raymond, Lancaster County, Nebraska more particularly described as follows:
BEGINNING at a 5/8" rebar found for the Southeast corner of said Lot 15 Irregular Tract THENCE S 89°55'55"W, a distance of 724.80 feet to a 5/8" rebar set on the East Railroad right-of-way for the Southwest corner of the tract herein described. THENCE N 65°24'55"W, a distance of 459.90 feet along and with the East Railroad right-of-way to a 5/8" rebar found for a corner THENCE N 52°48'41"E, a distance of 69.61 feet THENCE N 48°58'16"E, a distance of 75.78 feet THENCE N 74°15'51"E, a distance of 172.03 feet THENCE N 85°48'49"E, a distance of 488.90 feet THENCE N 19°55'10"W, a distance of 319.01 feet to a 5/8" rebar on the North line of the Southwest Quarter of said Section 31 THENCE S 89°42'05"E, a distance of 830.86 feet along and with the North line of the South Half of said Section 31 to a 5/8" rebar set on the West right-of-way line of 84th Street being a Point of Curvature of a Horizontal curve to the right having a Central Angle of 21°33'58" a Radius of 1118.86 feet an Arc length of 420.91 feet and a Chord bearing S 08°10'31"E for 418.48 feet THENCE Southeasterly along and with the Arc of said curve a distance of 420.91 feet THENCE S 01°48'28"W a distance of 242.35 feet to a Point of Curvature of a Horizontal curve to the left having a Central Angle of 04°07'00" a Radius of 5768.65 feet an Arc length of 414.04 feet and a Chord bearing S 00°14'58"W for 413.95 feet THENCE S 00°09'58"W a distance of 846.48 feet to the POINT OF BEGINNING and containing 35.46 Acres of land more or less subject to any Easements, Reservations or Restrictions of Record.

LEGAL DESCRIPTION SOUTH PORTION

A tract of land being all of Lot 23 and a portion of Lot 29 Irregular Tracts located in the South Half of Section 31, Township 12 North, Range 6 East of the 6th P.M. Raymond, Lancaster County, Nebraska more particularly described as follows:
BEGINNING at a 5/8" rebar found for the Northeast corner of said 23 Irregular Tract. THENCE S 00°39'28"W, a distance of 379.96 feet, along and with the West right-of-way of Northwest 48th Street to the Point of Curvature of a Horizontal curve bearing left having a Central Angle of 06°26'00" a Radius of 2385.01 feet and an Arc length of 240.09 feet. THENCE Southeasterly along and with the Arc of said curve a distance of 240.09 having a Chord bearing S 03°18'02"E for 239.99 feet THENCE S 06°16'32"E, a distance of 455.04 feet to the Point of Curvature of a Horizontal curve bearing right having a Central Angle of 04°59'26" a Radius of 2288.01 feet and an Arc length of 198.76 feet. THENCE Southeasterly along and with the Arc of said curve, a distance of 198.76 feet having a Chord bearing S 03°46'49"E for 198.70 feet to a 5/8" rebar set at the intersection of the West right-of-way of Northwest 48th Street and the North right-of-way of West Raymond Road. THENCE N 89°46'39"W, a distance of 132.88 feet to the point of intersection of West Raymond Road and the East Railroad right-of-way THENCE S 58°24'56"E, a distance of 19.07 feet along and with the East Railroad right-of-way THENCE N 89°46'29"W, a distance of 115.86 feet, along and with the North right-of-way of West Raymond Road in a point on the West Railroad right-of-way THENCE N 58°24'56"W, a distance of 18.61 feet along and with the West Railroad right-of-way THENCE N 89°46'39"W, a distance of 74.87 feet, along and with the North right-of-way of West Raymond Road to a 5/8" rebar found for a corner THENCE N 89°46'39"W, a distance of 1.00 feet, along and with the North right-of-way of West Raymond Road THENCE N 00°16'24"E, a distance of 20.00 feet, along and with the North right-of-way of West Raymond Road THENCE N 89°46'39"W, a distance of 370.00 feet, along and with the North right-of-way of West Raymond Road. THENCE S 00°16'24"W, a distance of 80.00 feet, along and with the North right-of-way of West Raymond Road. THENCE N 89°46'39"W, a distance of 130.73 feet along and with the North right-of-way of West Raymond Road. THENCE N 00°23'55"W, a distance of 430.30 feet. THENCE N 84°28'00"W a distance of 131.55 feet. THENCE N 70°25'48"W a distance of 298.64 feet. THENCE N 43°25'06"W a distance of 109.72 feet. THENCE N 00°20'28"E a distance of 208.31 feet. THENCE N 24°18'54"E a distance of 84.83 feet. THENCE N 35°15'08"E, a distance of 684.02 feet. THENCE N 57°05'14"E, a distance of 36.58 feet. THENCE N 67°09'11"E a distance of 100.17 feet. THENCE S 68°24'56"E a distance of 438.90 feet. THENCE N 89°55'39"E a distance of 752.90 feet to the POINT OF BEGINNING and containing 35.41 Acres of land, excluding the Railroad right-of-way, more or less, subject to any Easements Reservations or Restrictions of Record.

ACCESS EASEMENT

A 25.00 foot wide easement over and across Lots 23 and 29 Irregular Tracts for the purpose of ingress and egress to the Lower Platte NRD Conservation Easement located in Lot 29 Irregular Tract all being located in the South Half of Section 31, Township 12 North, Range 6 East of the 6th P.M. Lancaster County, Nebraska, more particularly described as follows: Commencing at a 5/8" rebar being the Northeast corner of said Lot 23 Irregular Tract; THENCE S 00°09'28"W, along and with the East line of said Lot 23 Irregular Tract, a distance of 379.96 feet, to the Point of Curvature of a Horizontal curve bearing left having a Central Angle of 02°23'17" a Radius of 2325.01 feet, with an Arc length of 96.91 feet. THENCE Southeasterly, along and with the Arc of said curve also being along and with the East line of said Lot 23 Irregular Tract, a distance of 96.91 feet with a Chord bearing S 00°32'11"E for 96.89 feet to the POINT OF BEGINNING, said point being a 5/8" rebar THENCE N 89°55'00"W, a distance of 361.45 feet. THENCE N 39°58'56"W, a distance of 345.61 feet. THENCE N 80°50'58"W, a distance of 63.63 feet to a point at the existing gate on the East line of the Railroad right-of-way. THENCE N 58°24'56"W, a distance of 18.61 feet along and with the East Railroad right-of-way. THENCE S 80°50'58"E, a distance of 107.48 feet. THENCE S 39°58'56"E, a distance of 338.58 feet. THENCE S 89°55'00"E, a distance of 348.06 feet, to a point on the East line of Lot 23 Irregular Tract being a Point of Curvature of a Horizontal curve bearing left having a Central Angle of 00°36'59" a Radius of 2362.01 feet, an Arc length of 25.03 feet to the POINT OF BEGINNING and containing 0.448 (19587.86 Sq. Ft.) more or less

WELL ACCESS EASEMENT TO RAYMOND

An easement over and across Lot 23 for the purpose of ingress and egress to the well located within this Easement located in the Southeast Quarter of Section 31, Township 12 North, Range 6 East of the 6th P.M. Lancaster County, Nebraska, more particularly described as follows: BEGINNING at a 5/8" rebar being the Southeast corner of the intersection of the East Railroad right-of-way and West Raymond Road. THENCE N 58°24'56"W, along and with the East Railroad right-of-way, a distance of 284.85 feet. THENCE: S 89°46'39"E, a distance of 56.67 feet. THENCE S 26°08'55"E, a distance of 272.34 feet. THENCE N 89°46'39"W a distance of 36.48 feet to the POINT OF BEGINNING and containing 0.245 (10681.74 Sq. Ft.) more or less

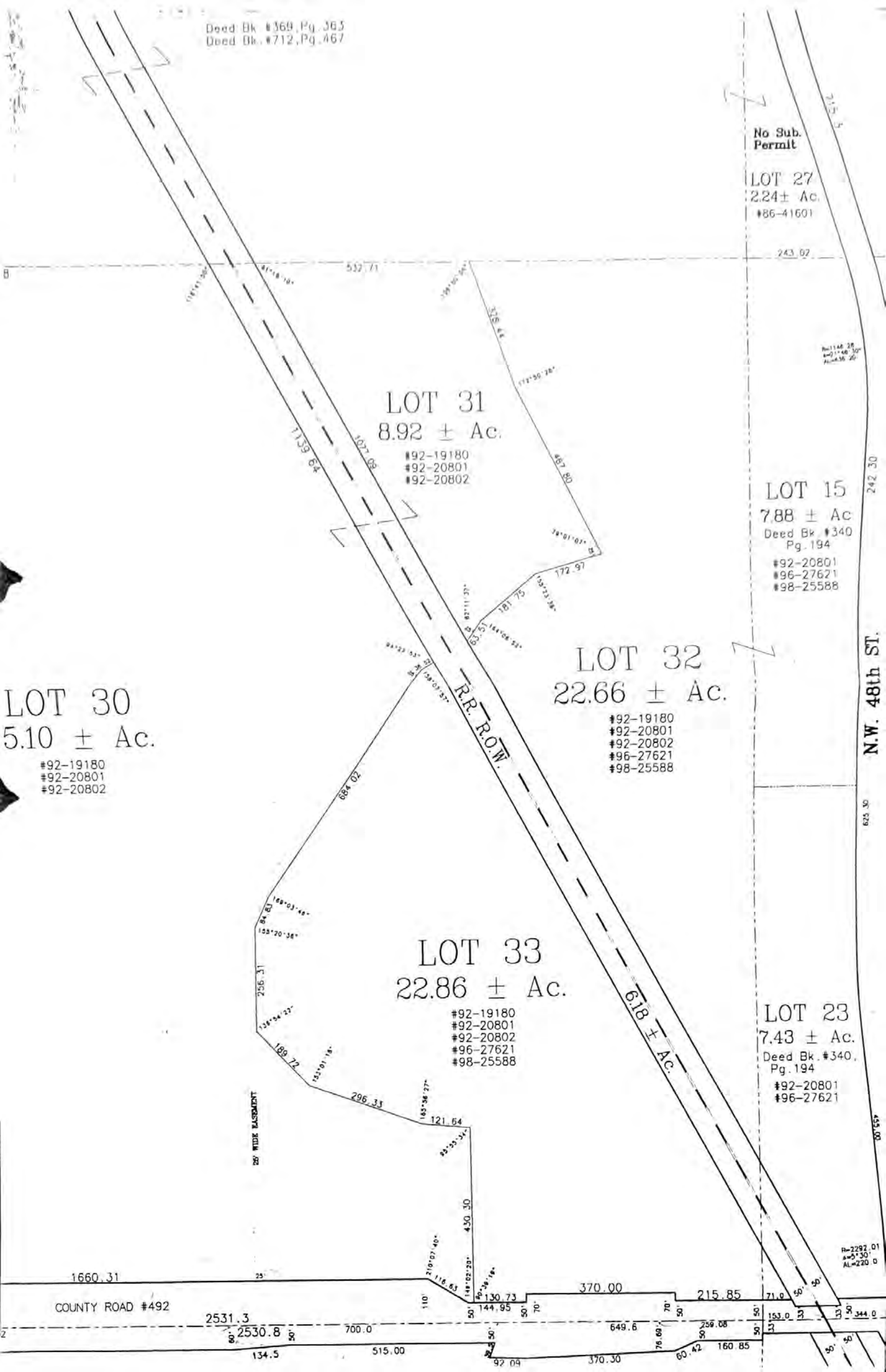
NOTE All corners found are 5/8" Rebar, unless otherwise noted.
All corners set are 5/8" ±30" Rebar, unless otherwise noted.

FILE	00334.Dwg
CHECKED BY	DMC
DRAFTED BY	KDB

Professional Engineers - Land Surveyors
Consulting Associates
P.O. Box 83463
Lincoln, Nebraska 68501-3463
Phone: 402-489-4220 Fax: 402-783-3010

Boundary survey of all of Lot 23 and a portion of Lot 29 Irregular Tracts located in the South Half of Section 31, Township 12 North, Range 6 East of the 6th P.M. Raymond, Lancaster County, Nebraska.

SCALE	1" = 300'
JOB NO.	00334
FIELD BOOK	FB08
DATE	09/09/00
SHEET	1 of 1


Deed Bk. #369, Pg. 363
Deed Bk. #712, Pg. 467
No Sub. Permit
LOT 27
2.24± Ac.
#86-41601
243.02
LOT 31
8.92 ± Ac.
#92-19180
#92-20801
#92-20802
1139.64
1037.03
467.80
172.97
181.75
63.51
LOT 15
7.88 ± Ac
Deed Bk. #340
Pg. 194
#92-20801
#96-27621
#98-25588
242.30
N.W. 48th ST.
LOT 32
22.66 ± Ac.
#92-19180
#92-20801
#92-20802
#96-27621
#98-25588
R.R. R.O.W.
LOT 30
5.10 ± Ac.
#92-19180
#92-20801
#92-20802
684.02
LOT 33
22.86 ± Ac.
#92-19180
#92-20801
#92-20802
#96-27621
#98-25588
6.18 ± AC.
LOT 23
7.43 ± Ac.
Deed Bk. #340,
Pg. 194
#92-20801
#96-27621
256.31
189.72
296.33
121.64
430.30
25' WIDE EASEMENT
1660.31
COUNTY ROAD #492
2531.3
2530.8
700.0
134.5
515.00
92.09
370.30
649.6
370.00
215.85
130.73
144.95
153.0
259.08
160.85
60.42
344.0