Lincoln-Lancaster County Health Department

ENVIRONMENTAL PUBLIC HEALTH DIVISION

006101

3140 N STREET · LINCOLN, NE 68510-1514

(402) 441-8000

Permit

SEWAGE INSTALLATION
SEPTIC SYSTEM

Permit # 04380294501

Issued 12/28/04
Expires 05/28/05
Revenue Code 3157

Establishment

RODNEY & DONNA YOUNGQUIST
T8N R7E SEC 8 QTR SE
QUARRY-5TH ADD LOT 2
14205 S 54 ST-ROCA

FEES: $200.00

Permittee

RODNEY & DONNA YOUNGQUIST
14205 S 54 ST
ROCA NE 68430

TOTAL: $200.00

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: 04380294501

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 14205 S. 54th St (no rural route) City Roca NE, Zip 68430

Legal Description SE (1/4) 8 (1/4 Section) 8N (Township) 7E (Range) The Quarry (Subdivision) 5th (Addition) 2 (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 Rodney & Donna Youngquist Signature Donna Youngquist

Address 14205 S. 54th St City/State/Zip Lincoln, NE 68430

☐ Check if owner designed system Home Phone _____ Work Phone 402-429-8297

C. Contractor

Name owner Company Name _____

Address _____ City/State/Zip _____

☐ Check if contractor designed system Work Phone _____

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

Designer Name Jeremy Williams Firm Design Assoc. Work Phone 402-474-3600

E. This System Will Serve a

☒ Residential Dwelling Number of Bedrooms 5 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 12/27/04 Date frwd _____	**ACTION** ☑ Approved ☐ Disapproved Signature Doug Smith - Engineering Comm	
2. **Supt. Bldg. Insp. or Village Clerk**	Date rec'd 12/16/04 Date frwd 12/17/04	**ACTION** ☑ Approved ☐ Disapproved Signature [illegible]	
3. **City or County Engineer**	Date rec'd 12/20/04 Date frwd _____	**ACTION** ☒ Approved ☐ Disapproved Signature [illegible]	

Installation Final Written Approval

By Doug Smith

Date 1/4/04

Business Office Use Only
Date Rec'd 12/28/04
Amt Paid 200.00
Rec'd By _____ ~~Cash~~/Check No. 5596

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: 043802945

Sewage Disposal System

Soil Absorption Test Data Report
Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address 14205 S. 54th St (no rural route) City Roca NE, Zip

Owner Donna Youngquist Addresss 14205 S. 54th St Roca, NE

Soil Type (SCS): Pt (pits + quarries) - Fill Percolation Rate: 40 min./inch

Date of Tests 8-25-04 to 8-26-04 Weather: Precipitation 0 Temperature 88°

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	26	8-25	7:45a	8-25	11:45a	8-26	9:40a	6	8-26	10:40a	10	1 7/8	10/1.88 = 5
2	26	"	"	"	"	"	"	"	"	"	10	2	10/2.00 = 5
3	27	"	"	"	"	"	"	"	"	"	10	2	10/2.00 = 5
4	30	"	"	"	"	"	9:00a	"	"	1:00p	30	3/4	30/0.75 = 40
5	30	"	"	"	"	"	"	"	"	"	30	1 1/8	30/1.13 = 27
6	29	"	"	"	"	"	9:40a	"	"	10:40a	10	1 3/8	10/1.38 = 7

Person Conducting Percolation Tests

Name: Terri Jakowbek, Raymond Contracting, Inc

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

Address 13800 NW 70th St
Raymond, NE 68428
#P1198

Sum of Percolation Rates: 89

Average of Rates: 15

Rate Used for Calculation: 40 = 20mpi variance

Holes 1, 2, 3, & 6, 10 minute intervals
Approx 1" of rain fell during the presoak

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks

Signature of Reviewing Official Date

FORM 23-101 10-96

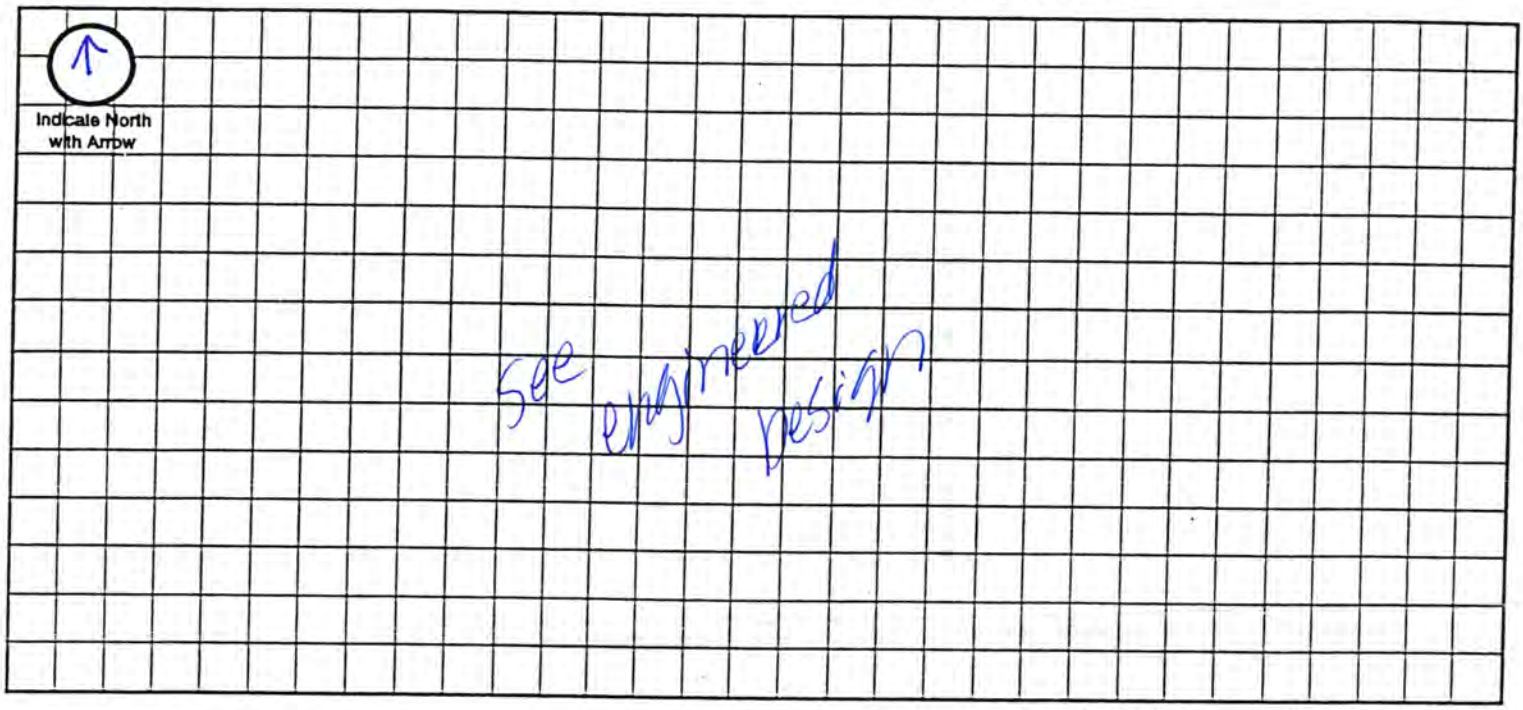
Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

C

Permit Number: 043802945

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) 14205 S. 54th St City Roca NE, Zip 68430

B. Proposed Septic Tank/s

Tank Material: ☒ Concrete ☐ Plastic ☐ Other _____

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

Percolation Rate 40 (min. per inch) Soil Type: Pits & Quarries Land Slope: _____ %

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

Total Square Feet of Field Required: 1175 sq. ft.

Type of Lateral: ☐ Half-Moon ☐ Perforated Pipe ☒ Other Lateral Material: Equalizer 24 Chambers

Capacity of Septic Tank 1,750 gals Number of Absorption Beds: _____ Number of Distribution Laterals per Bed _____

Total Length of Laterals 225 ft. Number of Trenches 2 Trench Width 5'

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 Rod Custom Homes - Donna Youngert Date 11-19-04

Installer [signature] Date 11-17-04

FORM 23-102 10-96

JAN 0 4 2005

D

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

Permit Number:

Sewage Disposal System

As Built Plans & Specifications

Date 12/30/04

System Location (Indicate correct number and street)

Address 14205 S 54th ST. (no rural route) City ~~Lincoln~~ Roca NE, Zip 68430

A. Building Sewer

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

B. Septic Tank → NOT Installed By Raymond Contracting

1. Material: Concrete.
   Number of compartments: one
2. Capacity: 1750 ~~1500~~ gal.
3. Factory built: ☒ Yes ☐ No
4. Manholes: Over inlet, diameter middle Tank in.
   Over outlet, diameter At Grade. in.
   Riser: ☐ above ☐ below grade _____ in.
5. Inlet: ☒ baffle ☐ tee
6. Outlet: ☒ baffle ☐ tee
7. Depth to top of tank, below unfinished grade: 18" 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: Plastic
   Number available outlets: 3
2. Factory built: ☒ Yes ☐ No
3. Distance from septic tank: 70' ft.

D. Absorption Field

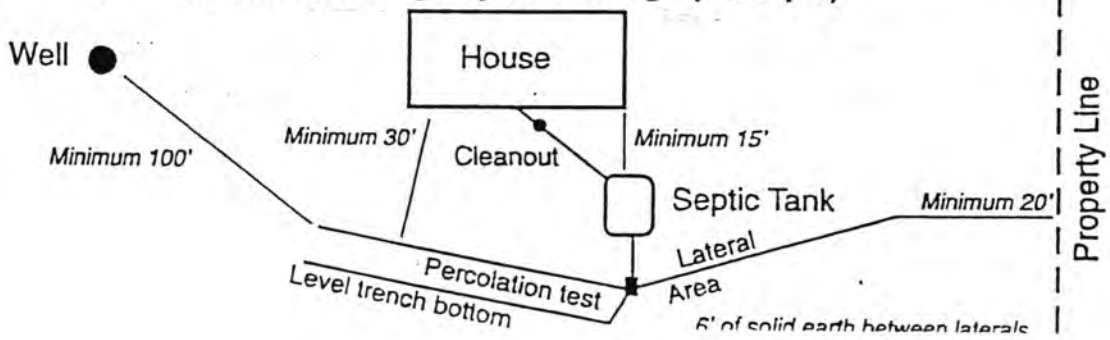
(Provide as-built drawings on back of this form)

1. Type: ☒ Half rounds ☐ Perforated pipe
   Diameter of half round: 12"Tall 15"wide.
   or perforated pipe: _____
   Material: ☒ fiberglass ☒ plastic ☐ concrete
   ☐ other EQ 24
2. Lateral lines: Number _____
   Length of each line: ~~100~~ 35 ft. 115.5 ft.
   _____ ft. _____ ft., _____ ft.
3. Trench dimensions: Width 5 ft.
   Slope Flat in/100 ft.
   Average depth 32" in
4. Filter material: Masonry Sand.
   Depth of material 24" in.
5. Distances to: Well or suction line 100+ ft.
   Stream 100+ ft.
   Pressure line 100+ ft.
   Property line 100+ ft.

Indicate North with Arrow

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

Individual Sewage System Design (Example)



FORM 23-103 10-96

Nebraska Department of Environmental Quality

Construction Permit No. 04OWT035

is hereby issued to

Rodney & Donna Youngquist

for the

On-site Wastewater Treatment System

located at

Lot 2, The Quarry 5th Addition
SE¼, SE¼, Sec. 8, T8N, R7E
Lancaster County, Nebraska

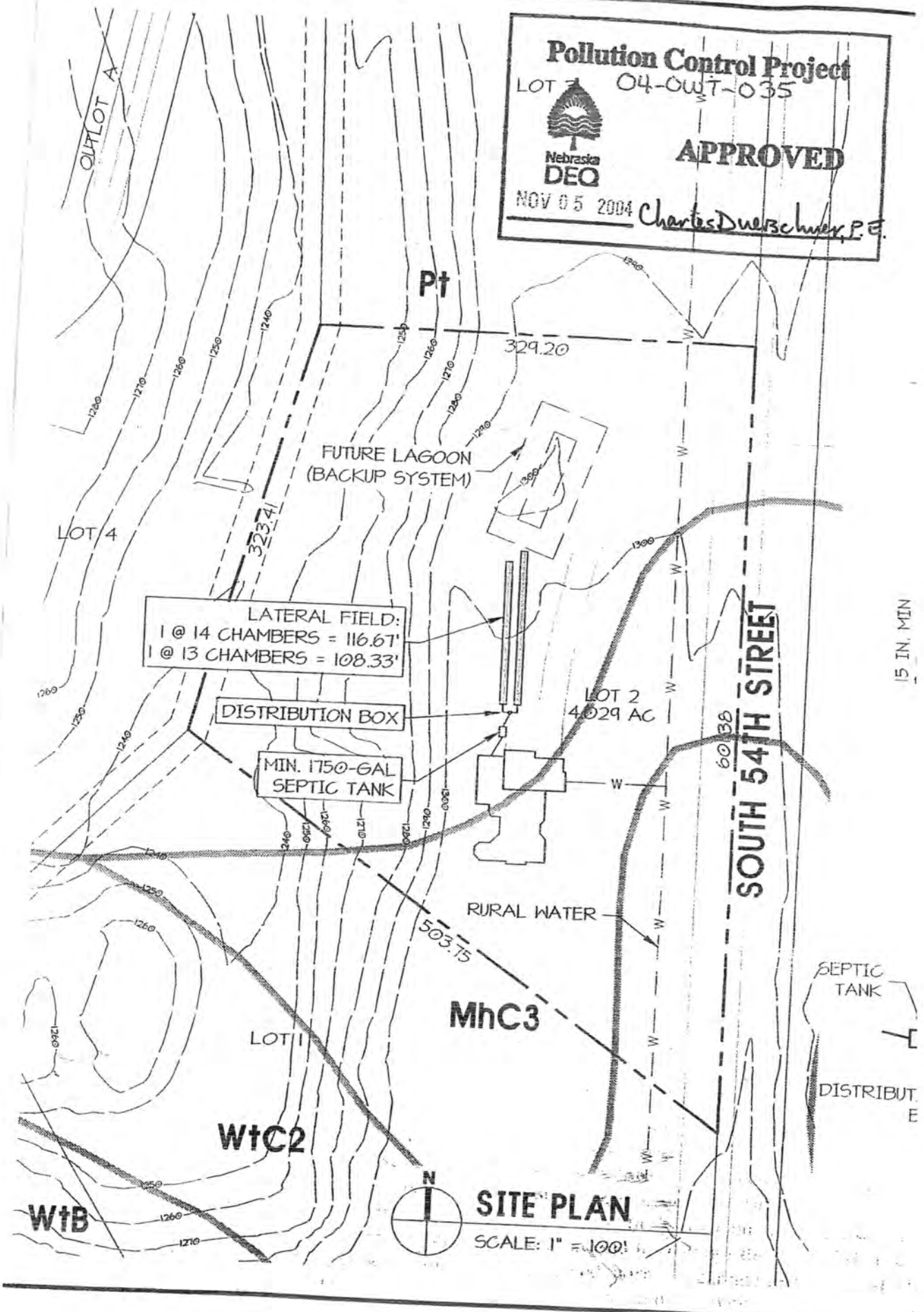
Pursuant to a Delegation Memorandum dated January 12, 1999, and signed by the Director, the undersigned hereby executes this document on behalf of the Director.

Signed 5 Nov 2004

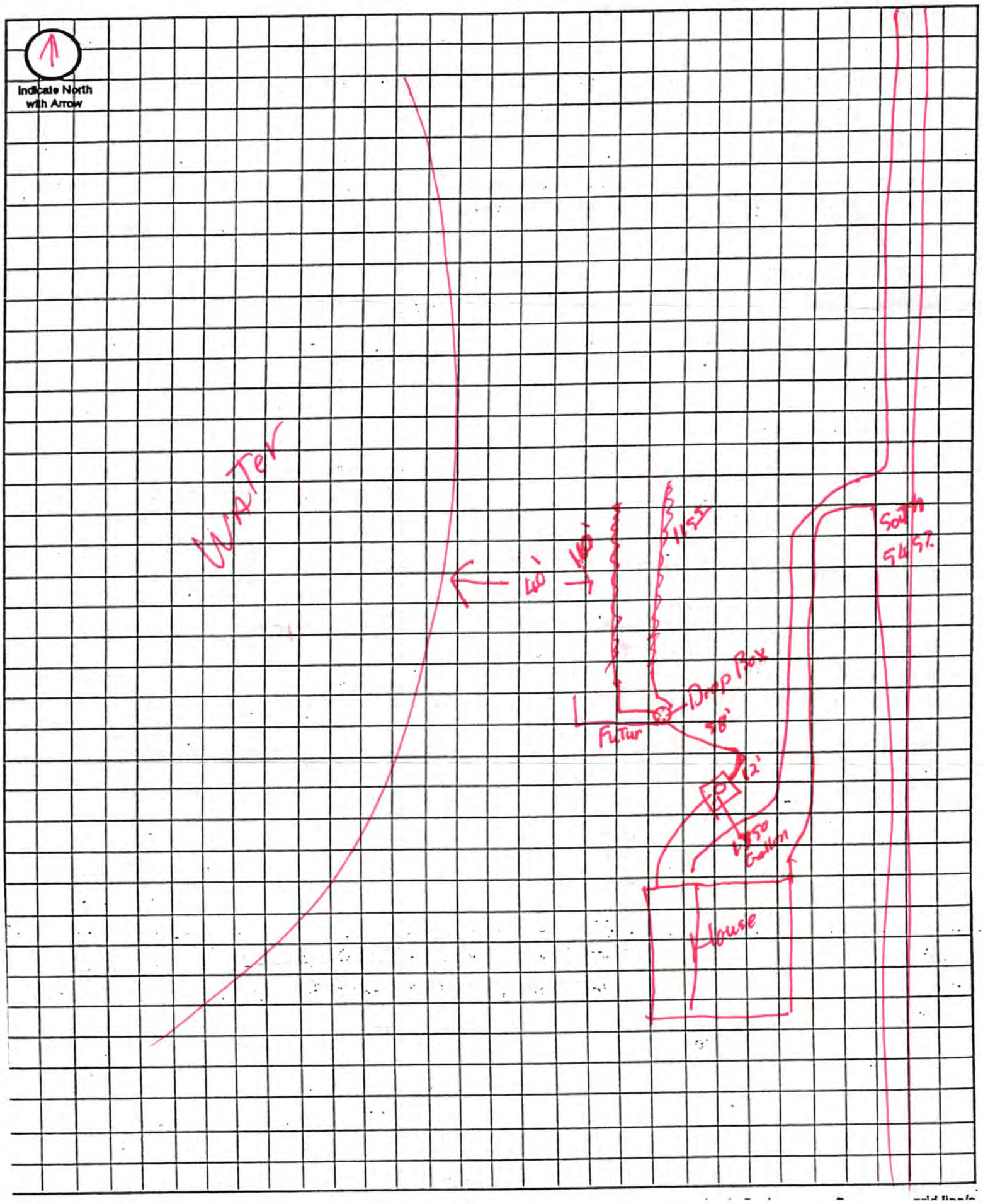
Marty Link for

Patrick W. Rice, Assistant Director

Suite 400, The Atrium, 1200 "N" Street, P. O. Box 98922, Lincoln, Nebraska, 68509-8922
Phone (402) 471-2186, Fax (402) 471-2909, e-mail: Public.Info@ndeq.state.ne.us


Pollution Control Project
LOT 3
04-OWT-035
Nebraska DEQ
APPROVED
NOV 05 2004 Charles Duerschner, P.E.
OUTLOT A
Pt
329.20
FUTURE LAGOON (BACKUP SYSTEM)
LOT 4
323.4
LATERAL FIELD:
1 @ 14 CHAMBERS = 116.67'
1 @ 13 CHAMBERS = 108.33'
DISTRIBUTION BOX
MIN. 1750-GAL SEPTIC TANK
LOT 2
4.029 AC
SOUTH 54TH STREET
60.38
RURAL WATER
503.75
MhC3
LOT 1
WtC2
WtB
SEPTIC TANK
DISTRIBUT
E
15 IN. MIN
N
SITE PLAN
SCALE: 1" = 100'

As Built Drawing



Lincoln-Lancaster County Health Department

ENVIRONMENTAL PUBLIC HEALTH DIVISION

006101

3140 N STREET · LINCOLN, NE 68510-1514

(402) 441-8000

Permit

SEWAGE INSTALLATION
SEPTIC SYSTEM

Permit # 04380294501

Issued 12/28/04
Expires 05/28/05
Revenue Code 3157

Establishment

RODNEY & DONNA YOUNGQUIST
T8N R7E SEC 8 QTR SE
QUARRY-5TH ADD LOT 2
14205 S 54 ST-ROCA

FEES: $200.00

Permittee

RODNEY & DONNA YOUNGQUIST
14205 S 54 ST
ROCA NE 68430

TOTAL: $200.00

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: 04380294501

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 14205 S. 54th St (no rural route) City Roca NE, Zip 68430

Legal Description SE (1/4) 8 (1/4 Section) 8N (Township) 7E (Range) The Quarry (Subdivision) 5th (Addition) 2 (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 Rodney & Donna Youngquist Signature Donna Youngquist

Address 14205 S. 54th St City/State/Zip Lincoln, NE 68430

☐ Check if owner designed system Home Phone _____ Work Phone 402-429-8297

C. Contractor

Name owner Company Name _____

Address _____ City/State/Zip _____

☐ Check if contractor designed system Work Phone _____

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

Designer Name Jeremy Williams Firm Design Assoc. Work Phone 402-474-3600

E. This System Will Serve a

☒ Residential Dwelling Number of Bedrooms 5 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 12/27/04 Date frwd _____	**ACTION** ☑ Approved ☐ Disapproved Signature Doug Smith - Engineering Comm	
2. **Supt. Bldg. Insp. or Village Clerk**	Date rec'd 12/16/04 Date frwd 12/17/04	**ACTION** ☑ Approved ☐ Disapproved Signature [illegible]	
3. **City or County Engineer**	Date rec'd 12/20/04 Date frwd _____	**ACTION** ☒ Approved ☐ Disapproved Signature [illegible]	

Installation Final Written Approval

By Doug Smith

Date 1/4/04

Business Office Use Only
Date Rec'd 12/28/04
Amt Paid 200.00
Rec'd By _____ ~~Cash~~/Check No. 5596

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: 043802945

Sewage Disposal System

Soil Absorption Test Data Report
Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address 14205 S. 54th St (no rural route) City Roca NE, Zip

Owner Donna Youngquist Addresss 14205 S. 54th St Roca, NE

Soil Type (SCS): Pt (pits + quarries) - Fill Percolation Rate: 40 min./inch

Date of Tests 8-25-04 to 8-26-04 Weather: Precipitation 0 Temperature 88°

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	26	8-25	7:45a	8-25	11:45a	8-26	9:40a	6	8-26	10:40a	10	1 7/8	10/1.88 = 5
2	26	"	"	"	"	"	"	"	"	"	10	2	10/2.00 = 5
3	27	"	"	"	"	"	"	"	"	"	10	2	10/2.00 = 5
4	30	"	"	"	"	"	9:00a	"	"	1:00p	30	3/4	30/0.75 = 40
5	30	"	"	"	"	"	"	"	"	"	30	1 1/8	30/1.13 = 27
6	29	"	"	"	"	"	9:40a	"	"	10:40a	10	1 3/8	10/1.38 = 7

Person Conducting Percolation Tests

Name: Terri Jakowbek, Raymond Contracting, Inc

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

Address 13800 NW 70th St
Raymond, NE 68428
#P1198

Sum of Percolation Rates: 89

Average of Rates: 15

Rate Used for Calculation: 40 = 20mpi variance

Holes 1, 2, 3, & 6, 10 minute intervals
Approx 1" of rain fell during the presoak

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks

Signature of Reviewing Official Date

FORM 23-101 10-96

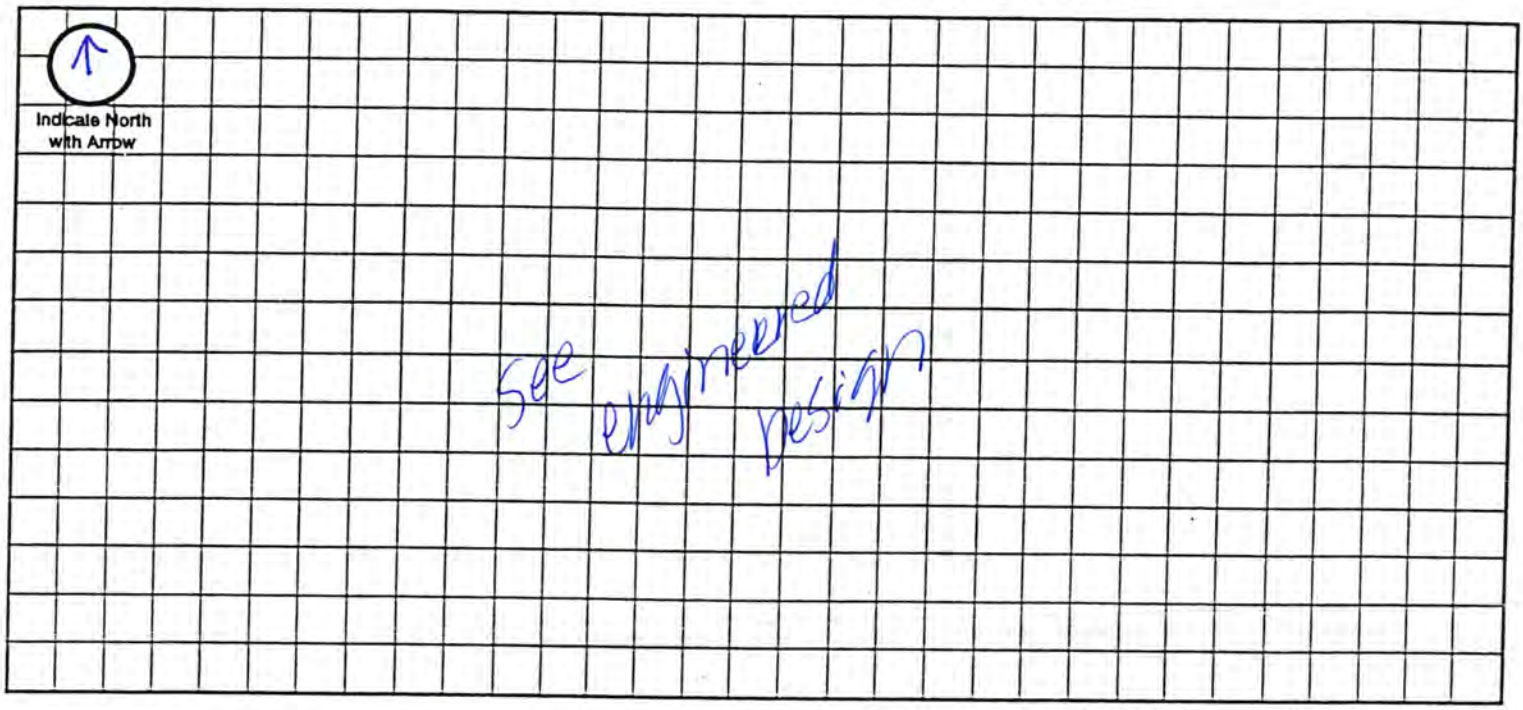
Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

C

Permit Number: 043802945

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) 14205 S. 54th St City Roca NE, Zip 68430

B. Proposed Septic Tank/s

Tank Material: ☒ Concrete ☐ Plastic ☐ Other _____

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

Percolation Rate 40 (min. per inch) Soil Type: Pits & Quarries Land Slope: _____ %

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

Total Square Feet of Field Required: 1175 sq. ft.

Type of Lateral: ☐ Half-Moon ☐ Perforated Pipe ☒ Other Lateral Material: Equalizer 24 Chambers

Capacity of Septic Tank 1,750 gals Number of Absorption Beds: _____ Number of Distribution Laterals per Bed _____

Total Length of Laterals 225 ft. Number of Trenches 2 Trench Width 5'

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 Rod Custom Homes - Donna Youngert Date 11-19-04

Installer [signature] Date 11-17-04

FORM 23-102 10-96

JAN 0 4 2005

D

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

Permit Number:

Sewage Disposal System

As Built Plans & Specifications

Date 12/30/04

System Location (Indicate correct number and street)

Address 14205 S 54th ST. (no rural route) City ~~Lincoln~~ Roca NE, Zip 68430

A. Building Sewer

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

B. Septic Tank → NOT Installed By Raymond Contracting

1. Material: Concrete.
   Number of compartments: one
2. Capacity: 1750 ~~1500~~ gal.
3. Factory built: ☒ Yes ☐ No
4. Manholes: Over inlet, diameter middle Tank in.
   Over outlet, diameter At Grade. in.
   Riser: ☐ above ☐ below grade _____ in.
5. Inlet: ☒ baffle ☐ tee
6. Outlet: ☒ baffle ☐ tee
7. Depth to top of tank, below unfinished grade: 18" 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: Plastic
   Number available outlets: 3
2. Factory built: ☒ Yes ☐ No
3. Distance from septic tank: 70' ft.

D. Absorption Field

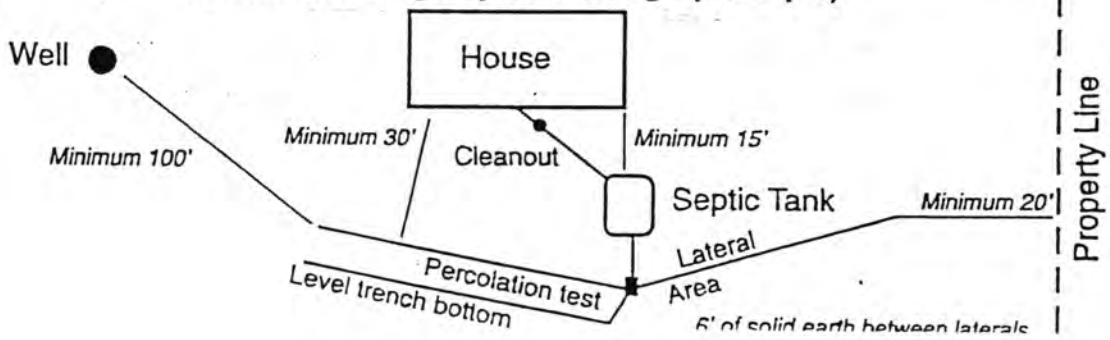
(Provide as-built drawings on back of this form)

1. Type: ☒ Half rounds ☐ Perforated pipe
   Diameter of half round: 12"Tall 15"wide.
   or perforated pipe: _____
   Material: ☒ fiberglass ☒ plastic ☐ concrete
   ☐ other EQ 24
2. Lateral lines: Number _____
   Length of each line: ~~100~~ 35 ft. 115.5 ft.
   _____ ft. _____ ft., _____ ft.
3. Trench dimensions: Width 5 ft.
   Slope Flat in/100 ft.
   Average depth 32" in
4. Filter material: Masonry Sand.
   Depth of material 24" in.
5. Distances to: Well or suction line 100+ ft.
   Stream 100+ ft.
   Pressure line 100+ ft.
   Property line 100+ ft.

Indicate North with Arrow

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

Individual Sewage System Design (Example)



FORM 23-103 10-96

Nebraska Department of Environmental Quality

Construction Permit No. 04OWT035

is hereby issued to

Rodney & Donna Youngquist

for the

On-site Wastewater Treatment System

located at

Lot 2, The Quarry 5th Addition
SE¼, SE¼, Sec. 8, T8N, R7E
Lancaster County, Nebraska

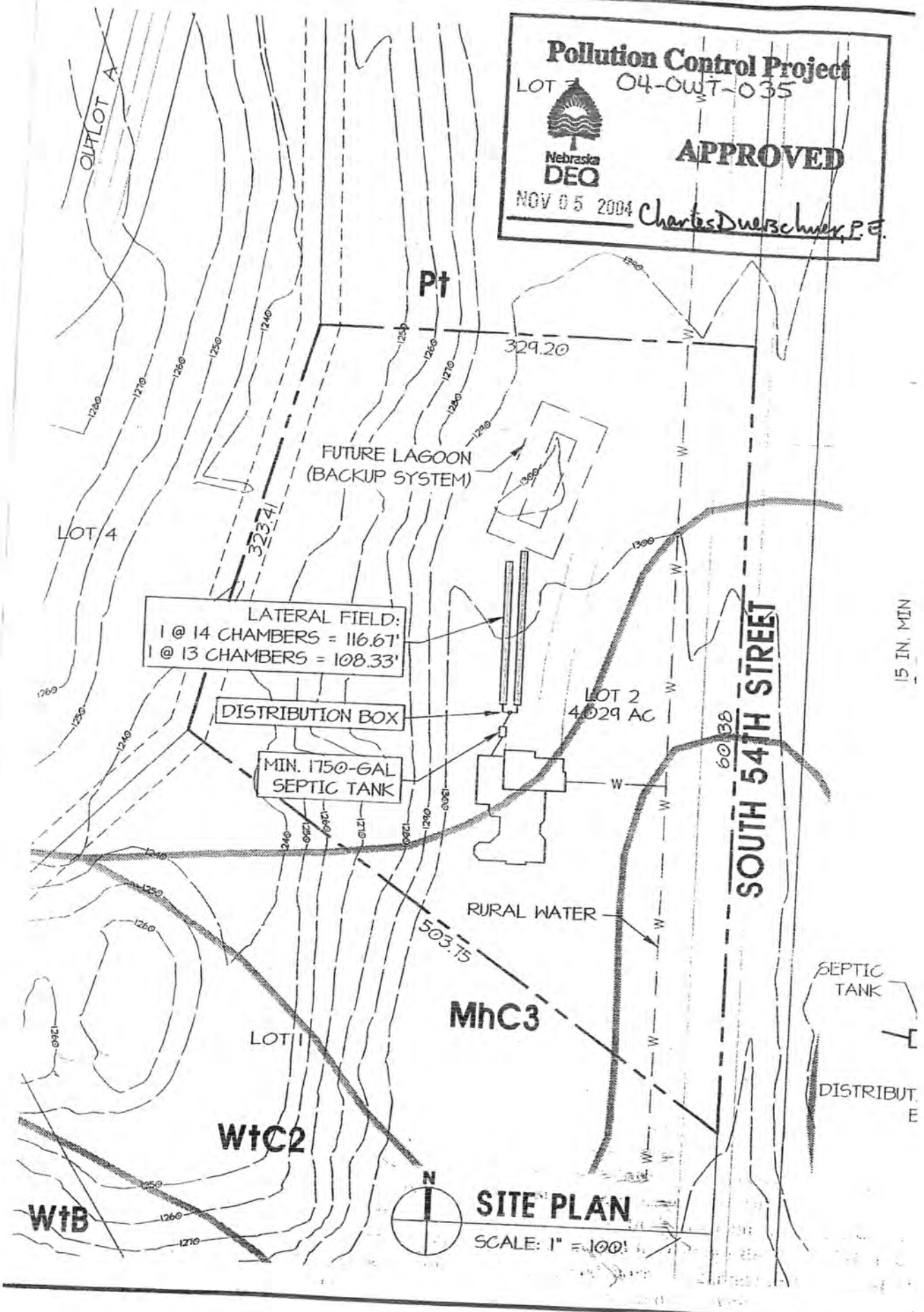
Pursuant to a Delegation Memorandum dated January 12, 1999, and signed by the Director, the undersigned hereby executes this document on behalf of the Director.

Signed 5 Nov 2004

Marty Link for

Patrick W. Rice, Assistant Director

Suite 400, The Atrium, 1200 "N" Street, P. O. Box 98922, Lincoln, Nebraska, 68509-8922
Phone (402) 471-2186, Fax (402) 471-2909, e-mail: Public.Info@ndeq.state.ne.us


Pollution Control Project
LOT 3
04-OWT-035
Nebraska DEQ
APPROVED
NOV 05 2004 Charles Duerschner, P.E.
OUTLOT A
Pt
329.20
FUTURE LAGOON (BACKUP SYSTEM)
LOT 4
323.4
LATERAL FIELD:
1 @ 14 CHAMBERS = 116.67'
1 @ 13 CHAMBERS = 108.33'
DISTRIBUTION BOX
MIN. 1750-GAL SEPTIC TANK
LOT 2
4.029 AC
SOUTH 54TH STREET
60.38
RURAL WATER
503.75
MhC3
LOT 1
WtC2
WtB
SEPTIC TANK
DISTRIBUT
E
15 IN. MIN
N
SITE PLAN
SCALE: 1" = 100'

As Built Drawing

