Lincoln-Lancaster County Health Department

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

Permit

SEWAGE INSTALLATION
SEPTIC SYSTEM

Permit # 00380217001

Issued 04/13/00
Expires 10/13/00
Revenue Code 3157

FEES: $150.00

Establishment

WAYNE TANDERUP
T11N R7E SEC 28
LOT 38IT
7800 N 56 ST

TOTAL: $150.00

Permitee

WAYNE TANDERUP
BOX0000126
BOX 0000126
SEWARD NE 68434-0126

Leon F. Vinci, MPH, Health Director

• POST IN A PROMINENT PLACE • NOT TRANSFERABLE

012955

477-8084
Doug Bloom

A

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

Permit Number: 0038 02170

Sewage Disposal System
Request for Site Clearance and Permit

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

.3 SOUTH OF ARBOR ROAD
150' EAST

☑ 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 7800 N 56th ST (no rural route) City Lincoln NE, Zip

Legal Description 28 11N 7E 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 Wayne Tandenup Signature

Address PO Box 126 City/State/Zip Seward, Ne 68434

☐ Check if owner designed system Home Phone Work Phone

C. Contractor

Name DeWayne Friesen Company Name Friesen Excavating Inc

Address Lincoln, Ne City/State/Zip Lincoln, Ne 68523

☐ Check if contractor designed system Work Phone 423-7076

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

Designer Name Jeremy Firm Design Associates Work Phone 474-3000

E. This System Will Serve a

☐ Residential Dwelling Number of Bedrooms ____ Is there a Whirlpool Bathtub YES NO

☒ Commercial Establishment/Other Facility Specify

Design flow in gallons per day 650 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 4/13/00 Date frwd 4/13/00	**ACTION** ☒ Approved ☐ Disapproved Signature Gerald C. Hood	
2. **Supt. Bldg. Insp. or Village Clerk**	Date rec'd 4/13/00 Date frwd 4/13/00	**ACTION** ☒ Approved ☐ Disapproved Signature	
3. **City or County Engineer**	Date rec'd 4/14/00 Date frwd 4/14/00	**ACTION** ☐ Approved ☐ Disapproved Signature	

4-14-00. Groundwater at 4 ft bgs trash. Need D-sheet drawing

Installation Final Written Approval

By Ron Moyer

Date 4-5-01

Business Office Use Only
Date Rec'd 04/13/00
Amt Paid 150.00
Rec'd By Cash/Check No. 18056

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

B

Permit Number: 003802170

Sewage Disposal System
Soil Absorption Test Data Report
Annex to Application

PLEASE PRINT OR TYPE

System Location (indicate correct number and street)

Address North 56 St (no rural route) City Lincoln NE, Zip _____

Owner _____ Address _____

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

Date of Tests 11/13/99 to 11/14/99 Weather: Precipitation 0 Temperature 65

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	11/13/99	6:00	11/14	6:30	11/14	6:30	6	11/14	10:30	30	5 3/4	5.
2	36	11/13	6:00	11/14	6:30	11/14	6:30	6	11/14	10:30	30	5 1/2	5.
3	36	11/13	6:00	11/14	6:30	11/14	6:30	6	11/14	10:30	30	6 1/4	5
4	36	11/13	6:00	11/14	6:30	11/14	6:30	6	11/14	10:30	30	7 1/4	4.
5	36	11/13	6:00	11/14	6:30	11/14	6:30	6	11/14	10:30	30	8	4.
6	36	11/13	6:00	11/14	6:30	11/14	6:30	6	11/14	10:30	30	6 3/4	4.

Person Conducting Percolation Tests

Name: Tom Britt Design Associates

Phone: _____

Address _____

Sum of Percolation Rates: _____

Average of Rates: _____

Rate Used for Calculation: _____

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks _____

Signature of Reviewing Official _____ Date _____

FORM 25-101 10-95

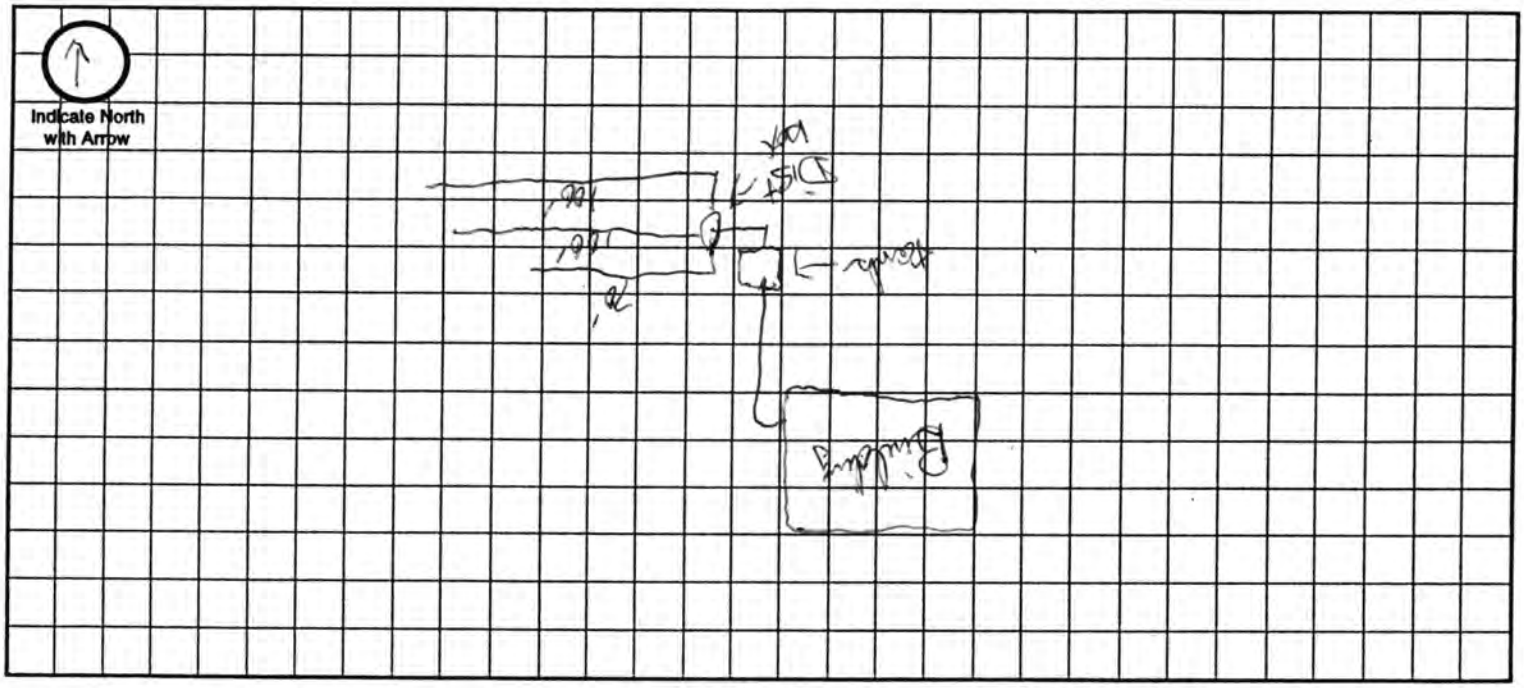
Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

C

Permit Number: 003802170

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) 7800 N 56th City Lincoln NE, Zip 68

B. Proposed Septic Tank/s

Tank Material: ☒ Concrete ☐ Plastic ☐ Other _____

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

Percolation Rate 14 > 6 hours (min. per inch) Soil Type: Sandy Clay Land Slope: Flat %

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

Total Square Feet of Field Required: 1080 sq. ft.

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

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

Total Length of Laterals _____ ft. Number of Trenches _____ Trench Width _____

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 _____ Date _____

RECEIVED APR 0 5 2001

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

D

Permit Number: 003802170

Sewage Disposal System
As Built Plans & Specifications

Date 11/16/00

System Location (Indicate correct number and street)

Address _____ (no rural route) City LINCOLN NE, Zip _____

A. Building Sewer

1. Material: Plastic
   Diameter: 4" in.
2. Distance above basement floor: _____ in.
   or distance below basement floor: _____ in.
3. Distance between dwelling and septic tank: 89 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

1. Material: Concrete
   Number of compartments: _____
2. Capacity: _____ gal.
3. Factory built: ☑ Yes ☐ No
4. Manholes: Over inlet, diameter _____ in.
   Over outlet, diameter _____ in.
   Riser: ☐ above ☑ below grade 6 in.
5. Inlet: ☑ baffle ☐ tee
6. Outlet: ☑ baffle ☐ tee
7. Depth to top of tank, below unfinished grade: 24 in.
8. Distances to: Well or suction line 150+ ft.
   Stream _____ ft.
   Pressure line _____ ft.
   Property line 60 ft.

C. Distribution Box

1. Material: plastic
   Number available outlets: 6
2. Factory built: ☐ Yes ☐ No
3. Distance from septic tank: 4 ft.

D. Absorption Field

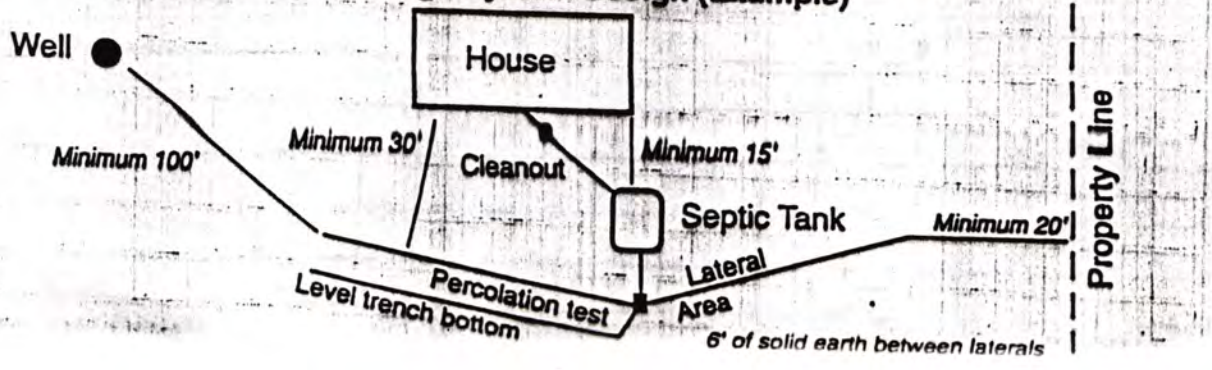
(Provide as-built drawings on back of this form)

1. Type: ☐ Half rounds ☐ Perforated pipe
   Diameter of half round: infiltrator
   or perforated pipe: _____
   Material: ☐ fiberglass ☑ plastic ☐ concrete
   ☐ other _____
2. Lateral lines: Number 3
   Length of each line: 10 ft. 2 ft.
   10 ft. _____ ft., _____ ft.
3. Trench dimensions: Width 4 ft.
   Slope 0 in/100 ft.
   Average depth 36 in
4. Filter material: gravel
   Depth of material 2 in.
5. Distances to: Well or suction line 170 ft.
   Stream _____ ft.
   Pressure line _____ ft.
   Property line 20 ft.

Indicate North with Arrow

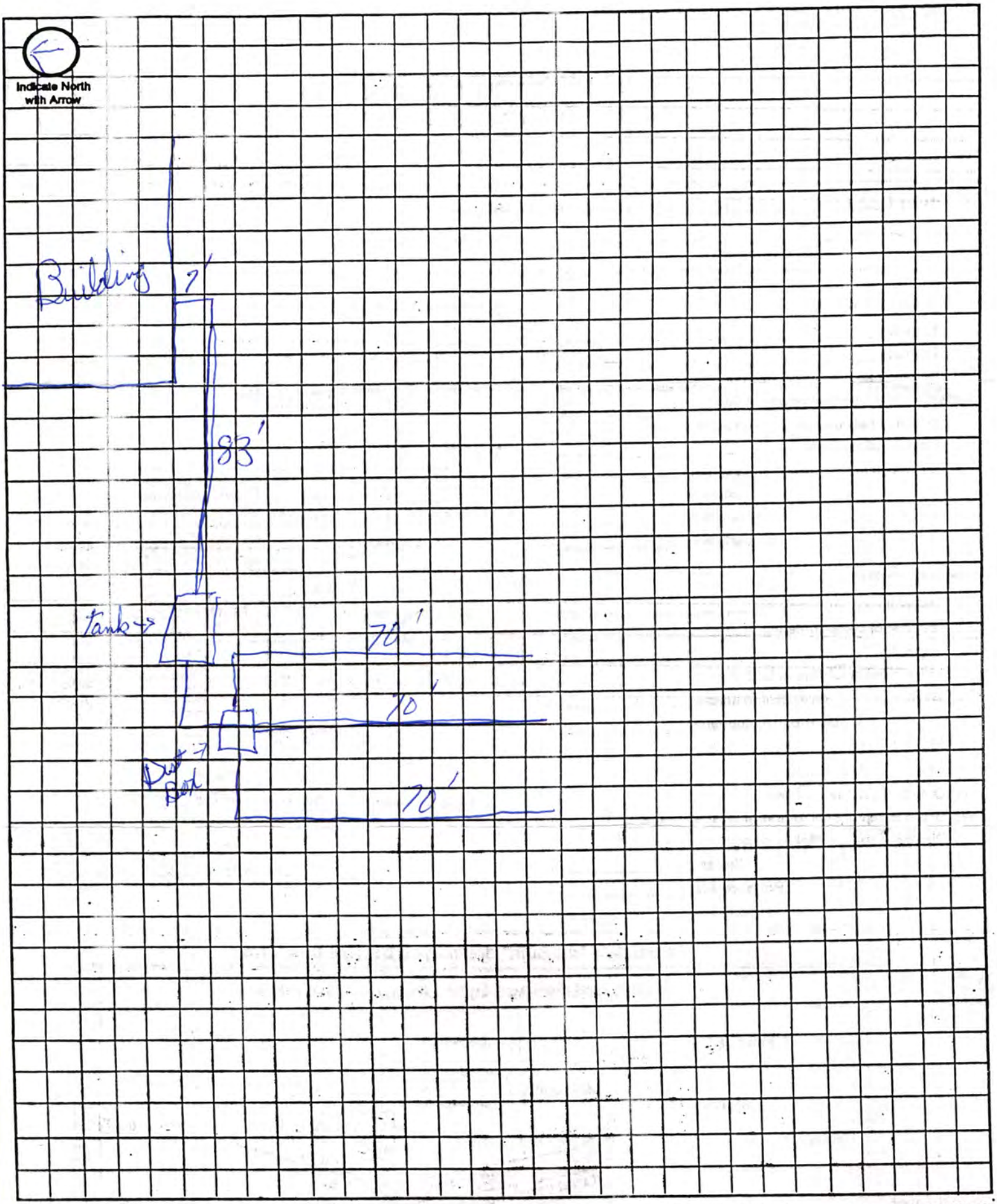
Complete "As Built" drawing on back of this form.

Individual Sewage System Design (Example)



DRM 23-103 10-96

As Built Drawing



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

Great Plains Tire Center

- tire service center
- 4 total bays: 1 alignment and 3 tire changing stations
- 1 vehicle/bay/hr
- 12 hr day
- 10 employees

Design flow:

Total customers = (4 bays)x(1 vehicle/bay/hr)x(12hrs) = 48 vehicles/day

Total customer load = (10 gal/customer/day)x(48 customers/day) = 480 gal/day

Total employee load = (12 gal/employee/day)x(10 employees) = 120 gal/day

DESIGN FLOW = 600 gal/day

Tank capacity:

Design flow < 1500 gal/day

Minimum = 1.5x(design flow) = 1.5x(600gal/day) = 900gal => min. 1000gal tank

Design Associates of Lincoln, Inc.
Pershing Square
1609 'N' Street
Lincoln, NE 68508
Phone: (402) 474-3000 • Fax: (402) 474-4045

ARCHITECTS • PLANNERS
ENGINEERS • ILLUSTRATORS
INTERIOR DESIGNERS

April 11, 2000

Jerry Hood
Lincoln/Lancaster County Health Department
3140 "N" Street
Lincoln, Nebraska

RE: Lot 38 I.T., SW1/4, Sec 28, T11N, R7E, Lancaster County, Nebraska

Jerry:

Attached for your review and approval, please find four (4) copies of the proposed site plan for the above referenced property. The site includes the location of multiple temporary sanitary sewer systems to serve future buildings on the site.

It is our understanding that area property owners will be extending sanitary sewer service along the south property line of Lot 38 to replace the temporary sanitary systems. During the temporary status of the sanitary sewer, waste collection is proposed with multiple 1,500 gallon storage tanks. The storage tanks will be serviced by the property owner on a regular basis. Required separation between sanitary sewer systems and future wells will be provided as the locations of the wells are determined.

Please advise if any additional information is needed to allow approval of the temporary sanitary systems by your office.

Best regards,

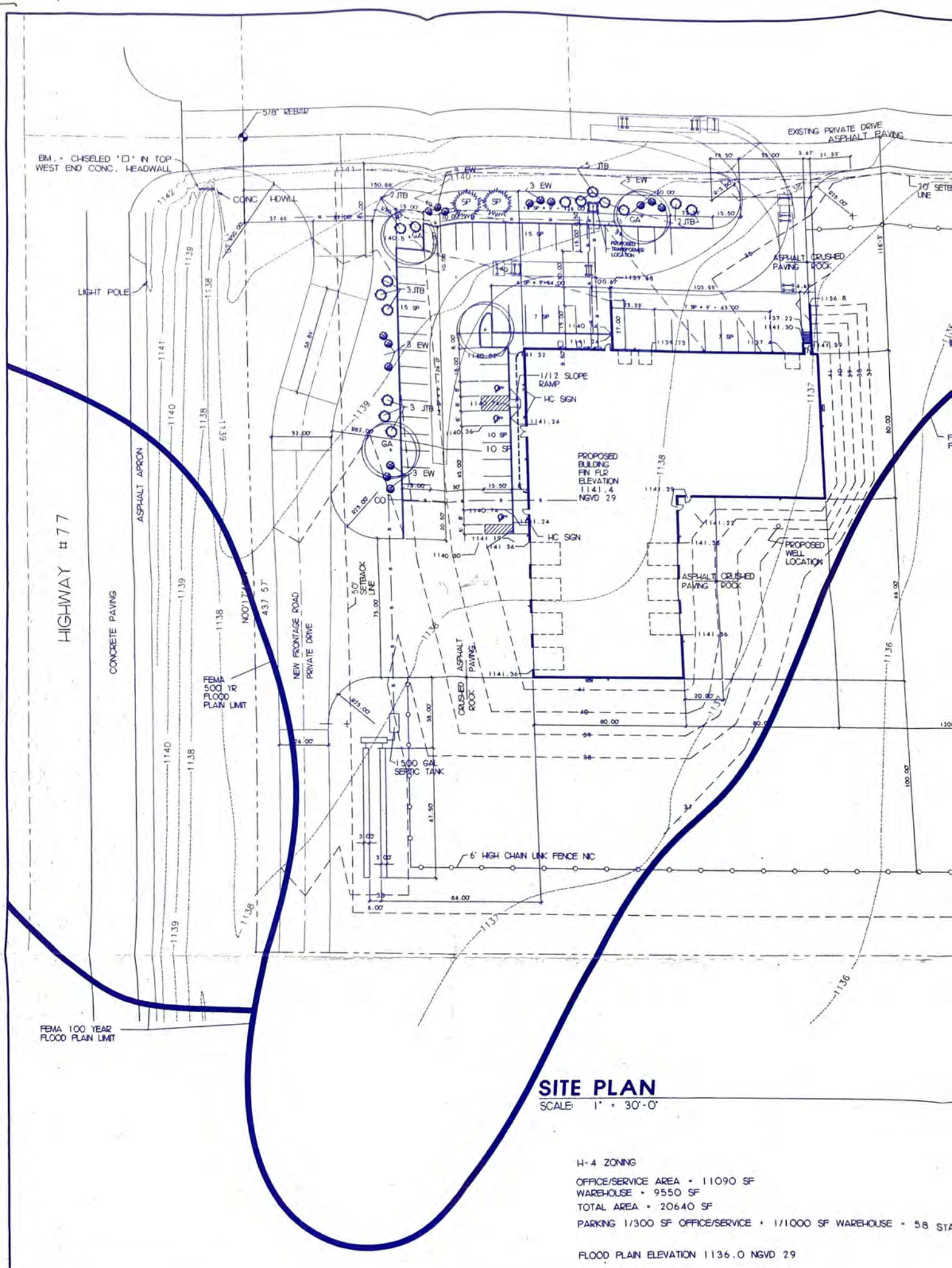
Jeremy Williams

Jeremy Williams
For the firm

Attachment: Site Plan

cc: Phil Knaub
Mark Hunzeker


20
N
(Joins sheet 15)
(Joins sheet 19)
(Joins sheet 25)
Scale 1:20000
1 Mile
5000 Feet
0
1000
2000
3000
4000
5000
1455 000 FEET
2 790 000 FEET
SALT CREEK
SEWAGE LAGOON
SANITARY LANDFILL
Arbor Rd
New septic
20
21
22
27
28
29
32
33
34



SITE PLAN

SCALE: 1" = 30'-0"

H-4 ZONING

OFFICE/SERVICE AREA = 11090 SF
WAREHOUSE = 9550 SF
TOTAL AREA = 20640 SF

PARKING 1/300 SF OFFICE/SERVICE + 1/1000 SF WAREHOUSE = 58 STA

FLOOD PLAIN ELEVATION 1136.0 NGVD 29

F:\DWG\current\Great Plains Tire Center\GPTC-CIR.dwg Wed Nov 03 11:34:40 1999 - DESIGN ASSOCIATES OF LINCOLN



PLANTING SCHEDULE

SYMBOL	NAME	PLANTING SIZE	METHOD	DESIGN SPREAD	DESIGN HT
EW	EUONYMUS, DWARF WINGED EUONYMUS ALATA COMPACTA	18"-24"	B&B OR CONT	4	5
SP	SCOTCH PINE PINUS SYLVESTRIS	4'-5'	B&B OR 44" SPADE	15	30
GA	GREEN ASH SEEDLESS FRAXINUS PENNSYLVANICA EMERALD	1 1/2" CAL	B&B OR 44" SPADE	35	50
JTB	JUNIPER TABLETOP BLUE JUNIPERUS SCOPULORUM "TABLETOP BLUE"	18"-24"	B&B OR CONT	6	4

TOTAL LUMINAIRES 13
TOTAL KW LOAD 6.045

IES FILE 94113102.IES
CATALOG NO. TRN 400N
TEST NO. 11941132.03
INITIAL LUMENS 34000
LIGHT LOSS FACTOR .750
PHYSICAL WATTS 465

ILLUMINANCE IS IN HORIZONTAL FOOTCANDLES
TARGET PLANE AT Z = 0 FEET

SUMMARY OVERALL PARKING LOT
POINTS 734/74
AVERAGE 0 1/2 725
MAXIMUM 18 1/10 6
MINIMUM .0/0 .6
AVG/MIN 0/4.5
MAX/MIN 10 5/17.67

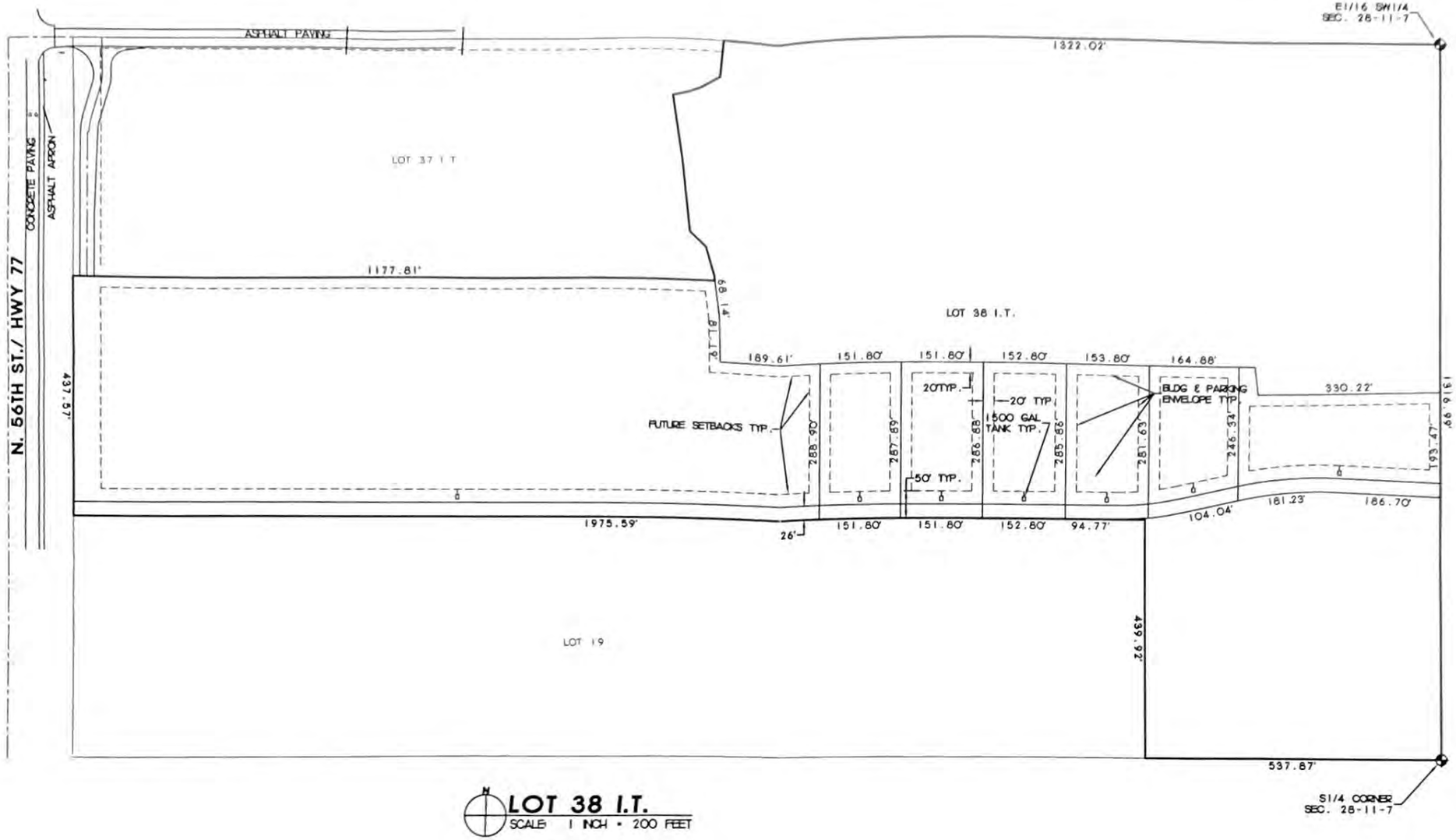
DESIGN ASSOCIATES OF LINCOLN, INC.
1609 "N" STREET
LINCOLN, NE 68508
PHONE: (402) 474-3000
FAX: (402) 474-4045

GREAT PLAINS TIRE
LINCOLN, NE

SCHWISOW CONSTRUCTION
402 477-8084
1010 S. CODDINGTON AV
LINCOLN, NE 68522

17 OCT 99
2 NOV 99

C-1



LOT 38 I.T.
SCALE: 1 INCH = 200 FEET

LEGAL DESCRIPTION:
TRACTS OF LAND LOCATED IN LOT 38 I.T., IN THE SOUTH-WEST QUARTER OF SECTION 28, TOWNSHIP 11 NORTH, RANGE 7 EAST OF THE 6TH P.M., LANCASTER COUNTY, NEBRASKA.

NOTE: INDIVIDUAL 1500 GALLON SANITARY SEWER HOLDING TANKS TO BE INSTALLED ON A TEMPORARY BASIS AND SHALL BE ABANDONED UPON DEDICATION OF STREET RIGHT-OF-WAY AND CONSTRUCTION OF PUBLIC UTILITIES TO BE LOCATED ALONG THE SOUTH PROPERTY LINE OF THE SITE.

Sheet: 1of1

Project:
LOT 38 I.T.
TEMPORARY SEWER SYSTEM
LINCOLN, NE

DESIGN ASSOCIATES OF LINCOLN, INC.
ARCHITECTS — PLANNERS
1609 'N' STREET
LINCOLN, NE 68508
PHONE: (402) 474-3000
FAX: (402) 474-4045

Date: 11 APR 00
Drawn By: JJW