Lincoln-Lancaster County Health Department

ENVIRONMENTAL PUBLIC HEALTH DIVISION

3140 N STREET · LINCOLN, NE 68510-1514

007902

(402) 441-8000

Permit: SEWAGE INSTALLATION
LAGOON

Permit # 05380304101

Issued 06/20/05
Expires 06/20/06
Revenue Code 3157

Establishment: NATIONAL AUDUBON SOCIETY
T8N R5E SEC 3 QTR NW
11900 SW 100 ST-DENTON

FEES: $200.00

Permittee: ATTN SCOTT SANDQUIST
CONSTRUCTION GROUP INC
451 N 66 ST STE 2A
LINCOLN NE 68505

TOTAL: $200.00

Bruce D. Dart

Bruce D. Dart, Health Director

EPH COPY

LINCOLN
LANCASTER COUNTY
HEALTH
DEPARTMENT

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

A

Permit Number: 05380304101

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 11900 SW 100th St (no rural route) City DENTON NE, Zip 68428

Legal Description NW 1/4 1/4 3 Section 8N Township 5E Range (SEE ATTACHED EXHIBIT A) 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 NATIONAL AUDUBON SOCIETY, INC. Signature

Address 700 BROADWAY City/State/Zip NEW YORK, NY 10003

☐ Check if owner designed system Home Phone Work Phone

C. Contractor

Name 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 DAN ROSENTHAL Firm REGA ENGINEERING Work Phone (402) 484-7342

E. This System Will Serve a

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

☑ Commercial Establishment/Other Facility Specify NATURE CENTER

Design flow in gallons per day 333 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 6/20/05, Date fwd 6/20/05 — ACTION ☒ Approved ☐ Disapproved — Signature Jerrold C. Hood
2. Supt. Bldg. Insp. or Village Clerk — Date rec'd 6/20/05, Date fwd 6/20/05 — ACTION ☒ Approved ☐ Disapproved — Signature
3. City or County Engineer — Date rec'd 6/20/05, Date fwd 6/20/05 — ACTION ☒ Approved ☐ Disapproved — Signature

Installation Final Written Approval

By

Date 4/25/06

Business Office Use Only
Date Rec'd 06/20/05
Amt Paid 200.00
Rec'd By Cash/Check No. 31077

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:

Sewage Disposal System
Soil Absorption Test Data Report
Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address 11900 SW 100th ST (no rural route) City DENTON NE, Zip 68339

Owner NATIONAL ALUMNI SOCIETY Address 700 BROADWAY, NEW YORK, NY 10003

Soil Type (SCS): CL LEAN SILTY CLAY, LIGHT BROWN, WET Percolation Rate: FAIL min/inch

Date of Tests NOV 23, 2004 to NOV 24, 2004 Weather: Precipitation NONE / NONE Temperature 32°F / 40°F

Percolation Test Data Table

A.	B.	C.	D.	E.	F.	G.	H.	I.	J.	K.	L.	M.	N.
		Pre-Saturation Period				Percolation Readings					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)
2	35	11/23	2:15pm	11/23	6:20pm	11/24	2:00pm	—	11/24	2:30pm	30	—	FAIL *
3	36	"	2:17	"	6:21	"	2:02pm	—	"	2:32pm	30	—	FAIL *
4	35	"	2:19	"	6:22	"	2:04pm	18 1/8	"	2:34pm	30	2/3	45
6	36	"	2:20	"	6:23	"	12:46pm	18 3/4	"	1:17pm	31	1/4	124 FAIL
7	38	"	2:22	"	6:24	"	2:10pm	23 3/4	"	2:40pm	30	1/4	120 FAIL
8	36	↓	2:24	↓	6:25	↓	12:55pm	17	↓	1:25pm	30	1/4	120 FAIL

* NOTE: PERCOLATION RATE TOO FAST TO GET A MEASUREMENT

Sum of Percolation Rates: —

Average of Rates: —

Rate Used for Calculation: FAIL

Person Conducting Percolation Tests

Name: BRENDON SCHMIDT, NICKEL ENGINEERING, INC.

Phone: 402-423-0559

Address: 7941 Portside Lane
Lincoln NE, 68516

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks _____

Signature of Reviewing Official _____ Date _____

FORM 23-101 10-96

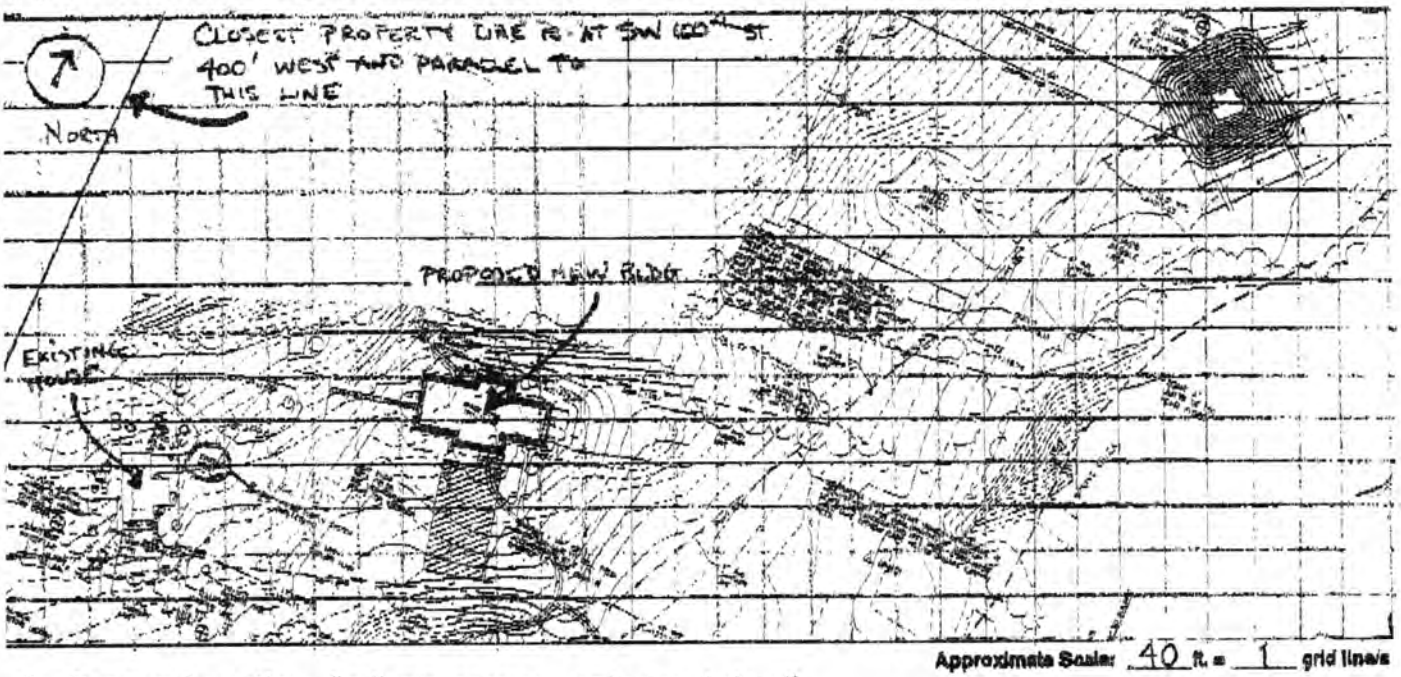
Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

C

Permit Number: 05380304

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: 40 ft. = 1 grid line/s

A. System Location (Indicate correct number and street)

Address (no rural route) 11900 SW 100th ST. City DENTON NE. Zip 68339

B. Proposed Septic Tank/s

Tank Material: ☑ Concrete ☐ Plastic ☐ Other _____

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

Percolation Rate _____ (min. per inch) Soil Type: _____ Land Slope: _____ %

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

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

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

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 _____

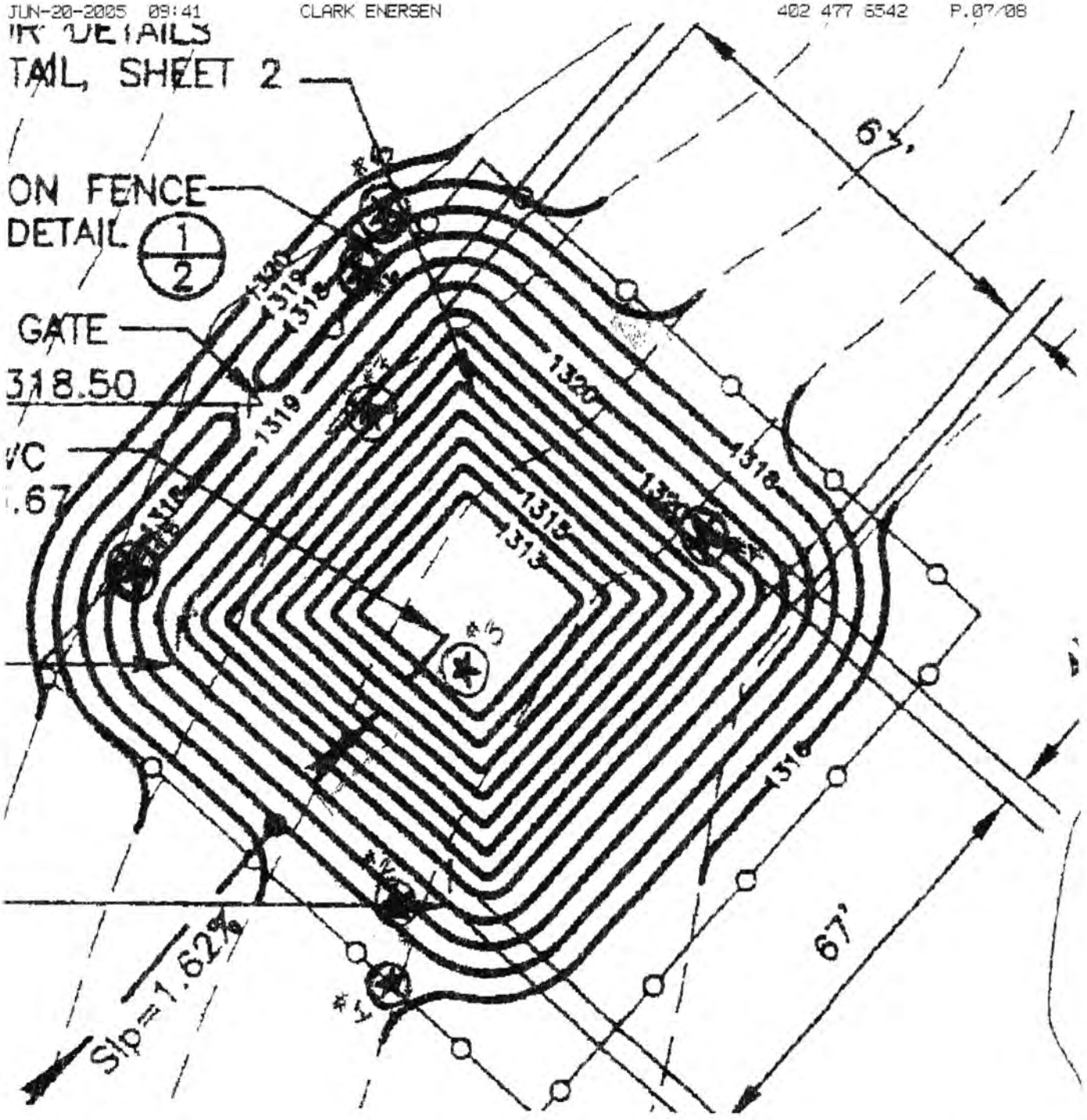
D. Setbacks Check the Boxes Below if the Required Setback has been Satisfied

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 _____



NOT TO SCALE. SEE ATTACHED LAYOUT SHEET
FROM NICKEL ENGINEERING FOR DIMENSIONS OF HOLES

Hole 8 is measured 188 ft from the south fence line that follows the creek. The point that the measurement has been taken from is marked with neon green marking tape. Hole 8 is also marked 255 ft from the east fence line that follows the creek and is marked with neon green marking tape.

DATE HOLE 1 CAD Dwg. DESIGNED DRAWN SHEET NO. 1-1	NICKEL ENGINEERING INCORPORATED	7941 PORTSCHE LANE LINCOLN, NE 68514 PH. (402) 423-0869	BORING HOLE AND PERCOLATION TEST HOLE LOCATION PLAN

SANDQUIST
CONSTRUCTION GROUP INC
YOUR COMMERICAL BUILDER

451 N. 66th Street, Suite 2A
Lincoln, NE 68505-2429

402-466-2041
fax: 466-9180

To:	Health Dept - Environmental	**Date:**	June 14, 2005
Fax #:	441-~~8029~~ 6206	**Pages:**	3, including this cover sheet.
Attn:	Jerry Hood		
From:	Scott Sandquist		
Subject:	Audubon Nature Center – sewage permit		

Jerry,

Construction Group Inc. has applied for a building permit (permit # BC050050) from Building & Safety for this project located at Audubon's Spring Creek Prairie site, 3+ miles south of Denton. Building & Safety's review comments state the need for a sewage permit. (See attached comments.)

This project including a new lagoon system was designed by The Clark Enersen Partners (contact: Eric Pavey: 477-9291). Eric Pavey reports that Clark Enersen's engineering calculations result in a low 'average daily flow of waste water', and accordingly a sewage permit is not required. Eric also reports that all necessary testing information and waste-water flow calculations for the sewage system were submitted to Building & Safety.

Meanwhile, we seem to be stuck in the middle w/o a building permit yet . So my questions to you are:

1. Is a sewage permit required for this project if the usage is below a specific quantity, as Clark Enersen has reported to Building & Safety? Or not?
2. Does your office inter-face with Building & Safety on these matters?
3. If a sewage permit is not required for this project, can your office inform Building & Safety, so that we can obtain the building permit?
4. If a sewage permit is required from your office, can you inform me?

Thanks for your help!

Status of Review: Approved 03/31/2005 2:04:54 PM

Reviewer: ELECTRICAL CODE REVIEW ED BERGSTRASSER

Comments: This was a very well put together print, legible, concise, understandable, my compliments to the individuals responsible. NICE PLAN!

Approved subject to codes and inspections.

Status of Review: Approved 04/12/2005 2:01:23 PM

Reviewer: FLOOD PLAIN LANA TOLBERT

Comments: DENIED

1. SHOW LOCATION OF THE 100 YEAR FLOOD PLAIN ON SITE PLAN

2. ANY DEVELOPMENT IN THE 100 YEAR FLOOD PLAIN WILL REQUIRE A FLOOD PLAIN DEVELOPMENT PERMIT

additional comments in response to email -

Eric,

A Flood Plain Development Permit is required for the re-graded nature trail. "Cost of development" can be limited to those costs associated with the nature trail work. Article 11.015 of the County Zoning Regulations states that development in unnumbered A zones can not increase the water surface elevation of the 100 year flood more than one foot at any location. Documentation is also required showing how the proposed development meets this requirement.

Status of Review: Approved 06/03/2005 9:38:00 AM

Reviewer: FLOOD PLAIN LANA TOLBERT

Comments: denied

1. Need a copy of the Section 404 Permit from the Army Corp of Engineers

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Status of Review: Approved 06/09/2005 12:25:59 PM

Reviewer: FLOOD PLAIN LANA TOLBERT

Comments: Approved

Status of Review: Denied ✕ 04/21/2005 12:59:39 PM

Reviewer: HEALTH POOLS/MISC KRELTT

Comments: NEED SEWAGE PERMIT AND OK FROM D.E.Q. ✕

Status of Review:	Denied	06/13/2005 11:02:18 AM
Reviewer:	HEALTH POOLS/MISC	KRELTT
Comments:	Need permit for sewage lagoon. Plans will need to show average daily flow of waste water. All prior to issuance of building permit. Jerry Hood 441-8029	

Status of Review:	Approved	04/01/2005 8:42:14 AM
Reviewer:	MECHANICAL CODE REVIEW	MERL SCOTT
Comments:	SHOW THE "MONITOR" AREA TO BE OF NONCOMBUSTIBLE MATERIALS AS REQUIRED FOR A AIR PLENUM.	

Status of Review:	Approved	03/24/2005 10:00:51 AM
Reviewer:	PLUMBING CODE REVIEW	ANY
Comments:	The 1 1/2" waste lines to the lavatories need to be 2". Bob S.	

Status of Review:	Approved	04/06/2005 11:56:55 AM
Reviewer:	SPECIAL PERMIT/USE PERMIT REVIEWS	KREMLW
Comments:	APPROVED	

Spring Creek Prairie Audubon Center Legal Description

EXHIBIT "A"

Lot 14, Irregular Tracts, located in the North Half (N½) of Section 3, Township 8 North, Range 5 East of the 6th P.M., Lancaster County, Nebraska; and

Lot 7, Irregular Tracts, located in the Northwest Quarter (NW¼) of Section 3, Township 8 North, Range 5 East of the 6th P.M., Lancaster County, Nebraska; and

The Southeast Quarter of the Northwest Quarter (SE¼ NW¼) of Section 3, Township 8 North, Range 5 East of the 6th P.M., Lancaster County, Nebraska; and

Lot 8, Irregular Tracts, located in the Southwest Quarter (SW¼) of Section 3, Township 8 North, Range 5 East of the 6th P.M., Lancaster County, Nebraska; and

The East Half of the Southwest Quarter (E½ SW¼) of Section 3, Township 8 North, Range 5 East of the 6th P.M., Lancaster County, Nebraska; and

The Southeast Quarter of Section 3, Township 8 North, Range 5 East of the 6th P.M., Lancaster County, Nebraska; and

The Southwest Quarter of the Northeast Quarter (SW¼ NE¼) of Section 3, Township 8 North, Range 5 East of the 6th P.M., Lancaster County, Nebraska; and

The East Half of the Northeast Quarter (E½ NE¼) of Section 3, Township 8 North, Range 5 East of the 6th P.M., Lancaster County, Nebraska;

EXCEPTING THEREFROM:

An irregular tract of land situated in the Northwest Quarter (NW¼) of Section 3, Township 8 North, Range 5 East of the 6th P.M., Lancaster County, Nebraska, more particularly described as follows:

Referring to the Northwest corner of Section 3, Township 8 North, Range 5 East of the 6th P.M.; thence South along the West line of the Northwest Quarter (NW¼) of said Section 3, a distance of 1,200.00 feet to the True Point of Beginning; thence continuing on the last described line a distance of 695.00 feet; thence East perpendicular to the West line of said Northwest Quarter (NW¼) a distance of 1,485.00 feet; thence North parallel to the West line of said Northwest Quarter (NW¼) a distance of 695.00 feet; thence West perpendicular to the West line of said Northwest Quarter (NW¼) a distance of 1,485.00 feet to the True Point of Beginning, EXCEPT that portion, being a strip of land 50.00 feet wide, along the West side of the described tract, deeded to the public for road right-of-way.