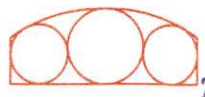


b/g, Hn1 Ream, 11/21/23

Daniel D. Dykstra†
John C. Gray*†
Thomas J. Whorley
Patrick L. Sealey*†
Jeff W. Wright*†
Rosalynd J. Koob*
Joel D. Vos†
Sarah K. Kleber*†
Jacob B. Natwick*
Allyson C. Dirksen*†
Jessica A. Board*†

Retired
Marvin F. Heidman
Thomas M. Plaza (1954—2022)
John F. De Hoogh

PATRICK F. GILL
WOODBURY COUNTY
AUDITOR RECORDER
COMM OF ELECTIONS



2023 NOV 17 PM 2:07

HEIDMAN LAW

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Lance D. Ehmcke*

* Licensed in Nebraska
† Licensed in South Dakota

November 17, 2023

Woodbury County Auditor
620 Douglas Street, #103
Sioux City, IA 51101

Woodbury County Board of Supervisors
620 Douglas Street, #104
Sioux City, IA 51101

Re: City of Salix Drainage District Petition

Dear Sir or Madam:

This objection is being filed on behalf of Paul L. and Carmen M. Wagner Revocable Trust, Wagner Farm Enterprises LLC, and the Estate of Paula A. Wagner (collectively "The Wagners") to the proposed creation of the City of Salix Drainage District. Please note that they are not against the concept of a drainage district that will aid Salix but they are against the design and location of the proposed line for the following reasons:

1. The Wagners' property is located near the end of the proposed drainage district with all the water from the district accumulating on, at, or near their property. See Exhibit "A" that reflects the location of their properties. As noted by the report of Veenstra & Kimm, Inc. the typography is very flat and generally the ground slopes from the north to the south, but this proposed ditch runs from east to west. What is troubling is that the proposed ditch outlets into a swale on land owned by the Iowa Department of Natural Resources then drains into Snyder's Bend, a Missouri River oxbow. What would be the cost of the right of way to do so? This area is full of debris and would need to be cleaned out (not touched since the 1930s) as well or the water would accumulate and create standing water. (See the attached discussion by Sundquist Engineering regarding the likelihood of two feet of standing water marked as Exhibit "B".)
2. The Wagners would lose 40 feet of frontage. The flow of water is an issue. This concerns them that the water will pool near their houses and farm and not be able to drain out efficiently and that it will cause significant damage to their property. Plus it eliminates usable farmland and significantly reduces the value of their properties. All of the damages are yet to be determined.

3. There are better alternatives available, including running the ditch south. The Wagners have been in contact with Sundquist Engineering who has drafted a more logical route with better slope, a shorter route, better water flow, and less width to the ditch. A copy of the concept is attached as Exhibit "C". This also keep water away from the housing development where the water would likely adversely affect the houses.
4. From a technical perspective it is noted that the Petition from the City of Salix requested approximately 594 acres be in the district. Yet the design before the Board is now 1100 acres. This garners far more water, expense for design, etc. and if adopted will require a separate assessment schedule for the additional lateral ditch.

It is respectfully requested that the current design be rejected and that the Board direct the City of Salix and their engineers review these issues and advise as to the use of the alternative design presented.

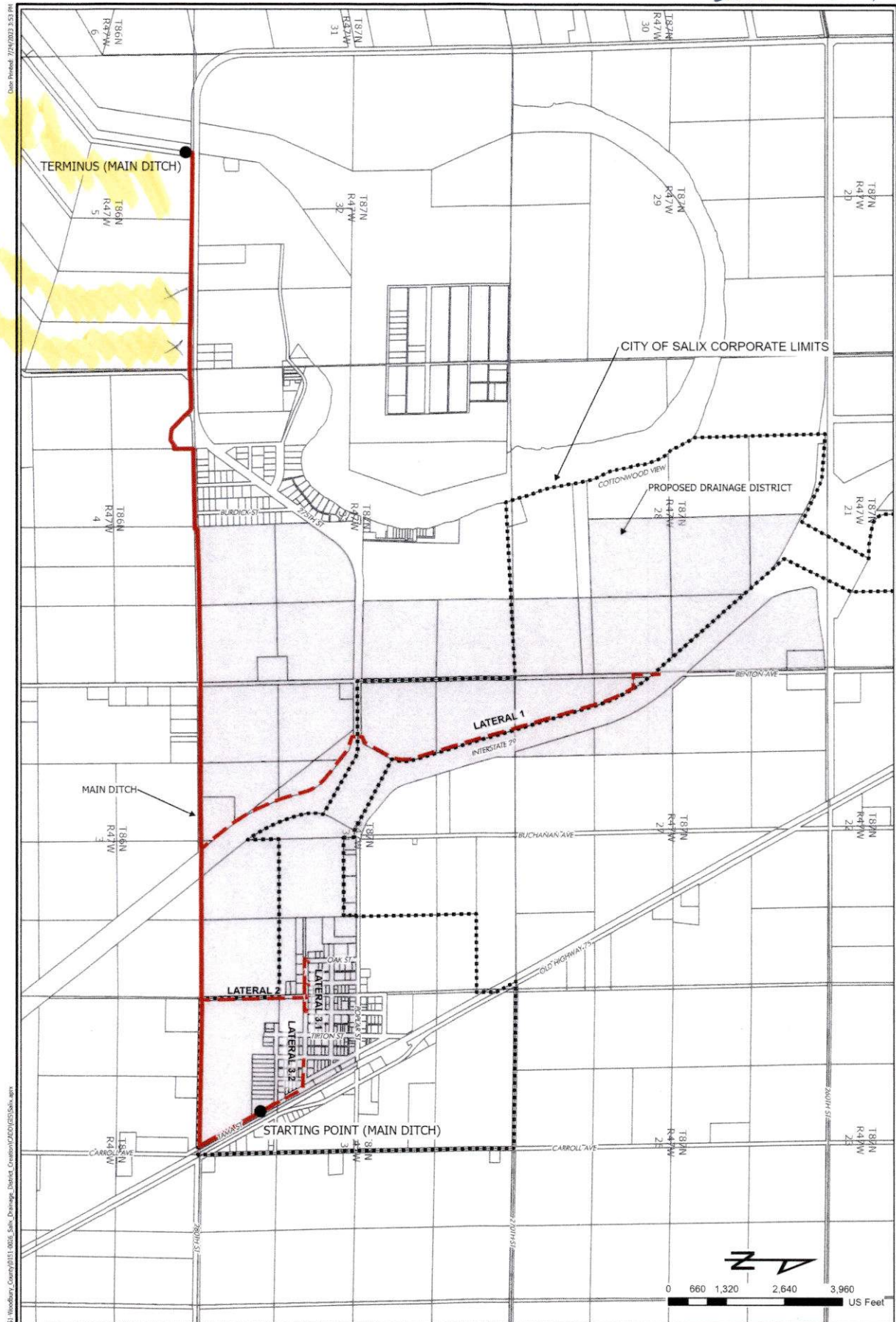
Respectfully submitted,



DANIEL D. DYKSTRA

For the Firm

DDD/gl
Enclosures
1723-1



Date Plotted: 7/24/2023 3:52 PM
Path: \\hpc\hpc\hpc\hpc\00000151\Woodbury_County\0151_0005_Salix_Drainage_District_Creation\CD\0151Salix.dwg



**SALIX DRAINAGE DISTRICT
WOODBURY COUNTY, IOWA**

203 Sergeant Square Drive, Suite B - Sergeant Bluff, Iowa 51054-0220
712-943-5055 - 712-943-8088 (FAX) - 877-241-8009 (WATS)

NOTES:

SCALE AS NOTED	DWG. NO.
DRAWN BY CAP	EX.01
CHECKED PEM	
APPROVED PEM	
DATE 8/12/2023	
ISSUED FOR	PROJECT # 15126



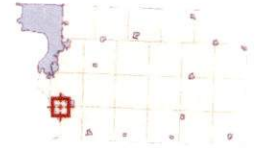
Beacon™

Woodbury County, IA / Sioux City

EXHIBIT "A"
page 2



Overview



Legend

- Roads
- ▭ Corp Boundaries
- ▭ Townships
- ▭ Sections
- ▭ Parcels

Parcel ID 864705100005
 Sec/Twp/Rng 5-86-47
 Property Address 1322 280TH ST
 SALIX

Alternate ID 704190
 Class A
 Acreage 50.47

Owner Address WAGNER PAULA A
 1322 280TH ST
 SALIX, IA 51052



District 0042
 Brief Tax Description EX W 80 FT LOT E & W 80 FT LOT F 5-86-47
 (Note: Not to be used on legal documents)

Date created: 11/16/2023
 Last Data Uploaded: 11/15/2023 10:34:20 PM

Developed by Schneider
 GEOSPATIAL

EXHIBIT "B"

REVIEW OF ENGINEER'S REPORT
FOR
PROPOSED SALIX DRAINAGE DISTRICT
WOODBURY COUNTY, IOWA

	<p>I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.</p>
	<p> TROY J. GROTH, P.E. #14450 11/17/23 DATE</p> <p>MY LICENSE RENEWAL DATE IS DECEMBER 31, 2023.</p> <p>PAGES OR SHEETS COVERED BY THIS SEAL: <u>1 THRU 4 OF 4</u></p>

SUNDQUIST ENGINEERING, P.C.
Consulting Engineers

November 2023
SE# 12223



SUNDQUIST
ENGINEERING, P.C.

"The Foundation of Excellence"

November 17, 2023

Wallace J. Wagner
1358 280th Street
Salix, IA 51052

RE: REVIEW OF ENGINEER'S REPORT
WRITTEN BY VEENSTRA & KIMM, INC.
PROPOSED SALIX DRAINAGE DISTRICT

Dear Mr. Wagner:

In accordance with your instructions, I have reviewed the Engineer's Report for the proposed Salix Drainage District filed with the Woodbury County Board of Supervisors by Veenstra & Kimm, Inc.

The results of my review of the report are as follows:

CHANGE TO PETITION

The proposed district boundary does not comply with the petition. The petitioned district includes approximately 594 acres, all of which are located south of 275th Street. However, the boundary proposed in the Engineer's report includes approximately 1100 acres, an 85% increase. These additional acres are all located north of 275th Street. This change was initiated by a local landowner and undoubtedly resulted in additional survey and design costs. Should the lateral ditch meant to serve this additional area be included in the established district, a separate assessment schedule for this lateral ditch would be warranted.

OUTLET SWALE

The proposed ditch outlets into a swale on land owned by the Iowa Department of Natural Resources (DNR) which drains into Snyder's Bend, a Missouri River oxbow. The plan does not indicate any right-of-way (R-O-W) will be acquired along the swale. This swale is overgrown with trees and brush and there is currently 1.5 feet of water standing in the 280th Street culverts despite the area being in a moderate drought condition (see Drought Map of Iowa below). The ditch is dry 0.7 miles downstream of 280th Street which indicates there is a drainage obstruction within the swale. The trees, down timber, and vegetation within the swale will likely continue to cause obstructions.

The plans show the flowline elevation of the swale is approximately 1068, thus the elevation of the water standing in the swale is 1069.5. Since the proposed ditch elevation at its outlet is 1067.3, if the ditch was constructed today there would be over 2 feet of water standing in it. The proposed ditch grade is 2.5 feet per mile; thus, the standing water would back up the ditch for 0.8 miles which is essentially the entire length of the ditch along the paved portion of 280th Street.

To eliminate the standing water would require the 1.05-mile-long swale be cleaned out and maintained. The DNR's management practices typically don't align with drainage needs and thus this swale should not be relied upon as an outlet for a drainage ditch.

ALTERNATIVE MAIN DITCH LOCATION

The main ditch length from the Snyder's Bend oxbow to the intersection of Benton Avenue and 280th Street is 2.80 miles. Using the alternative ditch route shown on the attached aerial photograph results in a ditch length of 2.25 miles from the Snyder's Bend oxbow to the intersection of Benton Avenue and 280th Street. This shorter distance will yield a beneficial steeper slope resulting in higher velocity flows thus keeping the ditch cleaner. Also, the higher velocity flows should reduce the required width of the ditch.

This alternative route will provide for an outlet fully controlled by the proposed drainage district without reliance on the DNR for maintenance. This route also eliminates multiple entrance crossings and their associated culverts, thereby reducing initial costs and future maintenance. Finally, the number of residential parcels from which R-O-W will be acquired is reduced thus saving in R-O-W acquisition costs since residential property typically has a higher value per acre than agricultural property.

Respectfully submitted,

SUNDQUIST ENGINEERING, P.C.



Troy J. Groth, P.E.

TJG/ksg
Attachments
File – 12223



Drought Map of Iowa (source: <https://www.drought.gov/states/iowa>)

