

Water Committee Meeting
Wednesday, March 27, 2024 6:00 PM
Lower Platte North NRD Office
P.O. Box 126
Wahoo, NE 68066

1. UNFINISHED BUSINESS

2. REGULATORY

2.A. GROUND WATER MANAGEMENT AREA

2.A.1. Variance Request in the Hydrologically Connected Area (Limited Development Area)

Randy Kavan received an approved variance for LPN-V-023-0599 on October 2023 for SW1/4 14-15N-7E, Saunders County. He wants to move this variance to SE1/4 14-15N-7E. Attached is the map showing the movement of the variance location.

2.A.2. Variance Requests in the Non-Hydrologically Connected Area (Normal Development Area)

2.A.3. Variance Requests in the Restricted Development Areas

Vavina Farms purchased property in SW1/4 33-16N-4E, Butler County. (2 miles NW of Bruno). They currently have an irrigation well, G-064907, in the middle of the East Half of 32-16N-4E, where they irrigate 66.79 acres. The 3-year average for this field is 5.17 acre-inches/year. They are requesting an expansion of acre variance which would decrease their current 27-inch rolling allocation to irrigate the additional 64 acres in Section 33. They would be irrigating 130.79 acres with a 13.79 acre-inch allocation over 3 years. Map attached.

This well is in the LPNNRD water level network with a graph attached.

The committee discussed the locations of the domestic wells in this restricted (red) area. The committee asked for further information like FSA cropping information, soil types and slopes. When the information is obtained, the committee will discuss this situation.

2.A.4. Well Permit Program

2.A.5. Inter-District Transfer of Groundwater

At the February Water Committee, an application from Lower Elkhorn was presented for Lee Comenzind, who owns a parcel of land in the NE1/4 S22-18N-R8E, Dodge County, located in LPNNRD. The well G-064422 is located in the NW S23-18N-8E, Dodge County, located in LENRD also owned by Lee. Keith Johnson wants to swing the pivot completely around on both tracts,

as shown by the map. LENRD completed its ranking process on variances for adding additional acres where the tract of land in LPNNRD qualified to be approved from the well located in LENRD.

The Committee asked staff to develop a policy on handling inter-district transfers. Attached is a policy that LE emailed to LPN staff that Don Blankeau assisted in developing. The policy states that the consumptive use is assigned to the well location, where this site has a 7.14 AF depletion. Also attached is a map drawn by LPN staff to compare it to LE. The map shows little differences. This site scored 552.8 using LPN scoring sheet.

LE also had an application in Madison County that was not approved with the well located in LPN district. If the policy is approved, this site will submit a variance application to LPN.

If the Committee moves forward, a motion will be needed to approve the policy and then Lee Comenzind request for acres. No motion came from the Water Committee.

The Committee would like to consider a policy with Lower Elkhorn NRD only and not a general policy for all surrounding NRDs. If the policy is completed and Jovan reviews before the board meeting, action could possibly be taken.

2.A.6. Well Permit for Pond

Curtis Corp applied for a 'well permit to pump 350 GPM to fill a pond in the SE NW 30-17N-10E. Other well permits to supply water to ponds have been approved previously.

Attached is the application and map.

2.A.7. Cost Share Programs

2.A.8. LPNNRD Operator Certification

2.A.9. Lower Platte River Basin Water Management Plan Coalition (LPRBC)

The annual Coalition Board meeting will be held on Tuesday, April 23, from 1:30 - 3:30 pm at the Lake Wanahoo Educational Building. This Board approves the IMP reports from each participating agency and next year's budget.

Information on the agenda, budget and last year's minutes are attached.

2.B. CHEMIGATION

For 2024 we have 134 renewals and 1 new permit application for a current total of 135. Inspections for 0 renewal permits have been completed.

2.C. GROUND WATER ENERGY LEVELS

The staff started measuring wells last week.

2.D. Nitrate Assessment Shell Creek

Attached is a proposal to complete a nitrate assessment of Shell Creek, which could also assist the communities of Newman Gove and Platte Center. At budget time last year, \$25,000 was budgeted to start the project on the contingency that Source Water Protection Grants were approved. They have been approved for 2 of the

communities, with the other elected not to proceed. The Shell Creek area has seen an increase in nitrate levels and this would help in determining the vulnerability and best management strategy. The total cost of the project will be \$36,500 with the remaining amount budgeted for next fiscal year.

3. GROUND WATER PROGRAMS

3.A. DECOMMISSIONED WELL PROGRAM

3.A.1. Well Estimates

4 new wells have been reviewed and approved for decommissioning since the last Committee meeting.

Well Owner	Type of Well	Cost Share Estimate	County
John Dicis	Irrigation	\$1,163.58	Saunders
Eugene Goering	Irrigation	\$ 1,185.89	Platte
Brian Birkel	Irrigation	\$1,693.26	Butler
Brian Brikel (Tomlin)	Irrigation	\$1,268.08	Butler

3.A.2. Plugged Wells

4 wells have been plugged, reviewed, and ready for cost share payment approval this month. The total amount paid for the Fiscal Year so far is \$7,696.82. Expecting more invoices from well drilling companies in the next couple of months.

Well Owner	Type of Well	Cost Share Estimate	County
Mike Heldt	Irrigation	\$1710.00	Saunders
Tyler Fredrick (UNL)	Irrigation	\$1414.50	Saunders
Carol Goering	Old well and windmill	1014.55	Platte
Roger and Nancy Gehring	Old well with windmill	\$989.52	Platte

3.B. LOWER PLATTE NORTH NRD GROUND WATER STUDIES

3.B.1. Phase Area Update

Staff have received invoices for the following flow meter cost-share. The following individuals are eligible for payment.

Betty Wachal - 5 meters at \$1,000/meter for \$5,000

Joan Wachal - 4 flow meters at \$1,000/meter for \$4,000

Jeff Wachal - 2 flow meters at \$1,000/meter for \$2,000.

Jack Seckman - 1 flow meter at \$1,000/meter for \$1,000.

Allen Svatora - 2 flow meters at \$1,000/meter for \$2,000.

Dan Bock - 1 flow meter at \$1,000/meter for \$1,000.

Maxine Jedlicka - 1 flow meter at \$1,000/meter for \$1,000.

Colleen Wachal - 2 flow meters at \$1,000/meter for \$2,000.

Jay Jedlicka - 2 flow meters at \$1,000/meter for \$2,000.

Todd Bailey - 2 flow meters at \$1,000/meter for \$2,000.

Jeremy Vanicek - 1 flow meter at \$1,000/meter for \$1,000.

Dennis Waak - 1 flow meter at \$1,000/meter for \$1,000.

Connie Wachal - 2 flow meters at \$1,000/meter for \$2,000.

Received 4 flow meter applications from Russ Shonka for \$1,000/meter

Received 1 flow meter application from Richard Hoppe for \$1,000/meter.

Received 2 flow meter applications from Allan Shonka for \$1,000/meter

Received 2 flow meter applications from Jedlicka Family Partnership for \$1,000/meter.

Received 1 flow meter application from Gary Wachal for \$1,000/meter.

Received 4 flow meter applications from Mark Horejsi with Mark as tenant on 3 for \$1,000/meter.

Received 2 flow meter application from Ron Klug for \$1000/meter.

Received 1 flow meter application from Lloyd Cuda for \$1,000/meter.

The current amount committed for flow meter cost share is \$94,000.

Flow Meter Applications were sent to Dan Zoucha.

Clint Jedlicak requested 2 applications for Gravity to Pivot Conversions for \$10,000 per site.

Josh Falty called on March 21, 2024, to notify staff that he is still working on his SDI irrigation system, which has a conversion contract from last fall for \$10,000.

Information on CEC for nitrogen applications.

<https://crops.extension.iastate.edu/cropnews/2011/02/fact-or-fiction-ammonia-application-should-not-exceed-10-lb-n-unit-soil-cec>

<https://www.kuglercompany.com/crop-care/cation-exchange->

[capacity#:~:text=The%20rule%20of%20thumb%20is,things%20dramatically%20as%20CEC%20changes.](#)

<https://kochagronomicservices.com/knowledge-center/debunking-the-myth-soil-cecs-impact-on-nitrogen-management>

3.B.2. Groundwater Management Plan Update

Staff met with Jon Mohr of LRE to start the update of the Groundwater Management Plan. The plan is to hold a couple of stakeholder meetings in April.

Invoice attached for \$3,371.50 per contract.

3.C. Variable Rate Nitrogen Demonstration Sites

Last year the Committee/Boiard voted to support 2 sites with pumps and satellite imagery to assist in variable rates of nitrogen. The Board budgeted \$10,000 per site for a total of \$20,000, with only 1 site utilizing NRD funding last crop year. This year one of the sites will be Joe Birkel's south half of the field, which the north half was used last year. The idea is to look at this research in a multiyear field to determine if issues might arise the second time around. Next year the north half will be used for the second time.

The other site will be around Colon on one of Chris Meduna's fields, which will also have a demonstration day this summer. Staff will be ordering the second pump for this field the first of next week.

3.D. Lower Platte River Consortium

The next meeting is April 24 at 10 am at the Educational Building at Lake Wanahoo.

3.E. Phoenix Database Support Plan

Attached is the annual support plan on the Phoenix Database. The past 2 years, the District supported the Silver plan for \$3,600.

3.F. MONITORING WELLS EQUIPMENT

Attached is some information about an electronic meter to measure water levels down to 500 feet. The NRD has some wells where water levels are dropping below 300 feet and the NRD steel tape has been spliced a couple of times. Steel tapes at the present times are not being produced, so staff would like to purchase this electronic tape to measure the deeper groundwater level depths. Staff have returned some equipment to In-Situ and currently have credit with the company. The invoice for this water level meter is for \$1,105.90.

In-Situ VuLinks (telemetry unit for data logger) have been placed out in the field at our monitoring wells and some irrigation wells where we are using the gravel pack tube as a sort of monitoring well. 62 units were originally purchased with 43 fully operational on the website. We will get the remaining units up and running in the next few weeks.

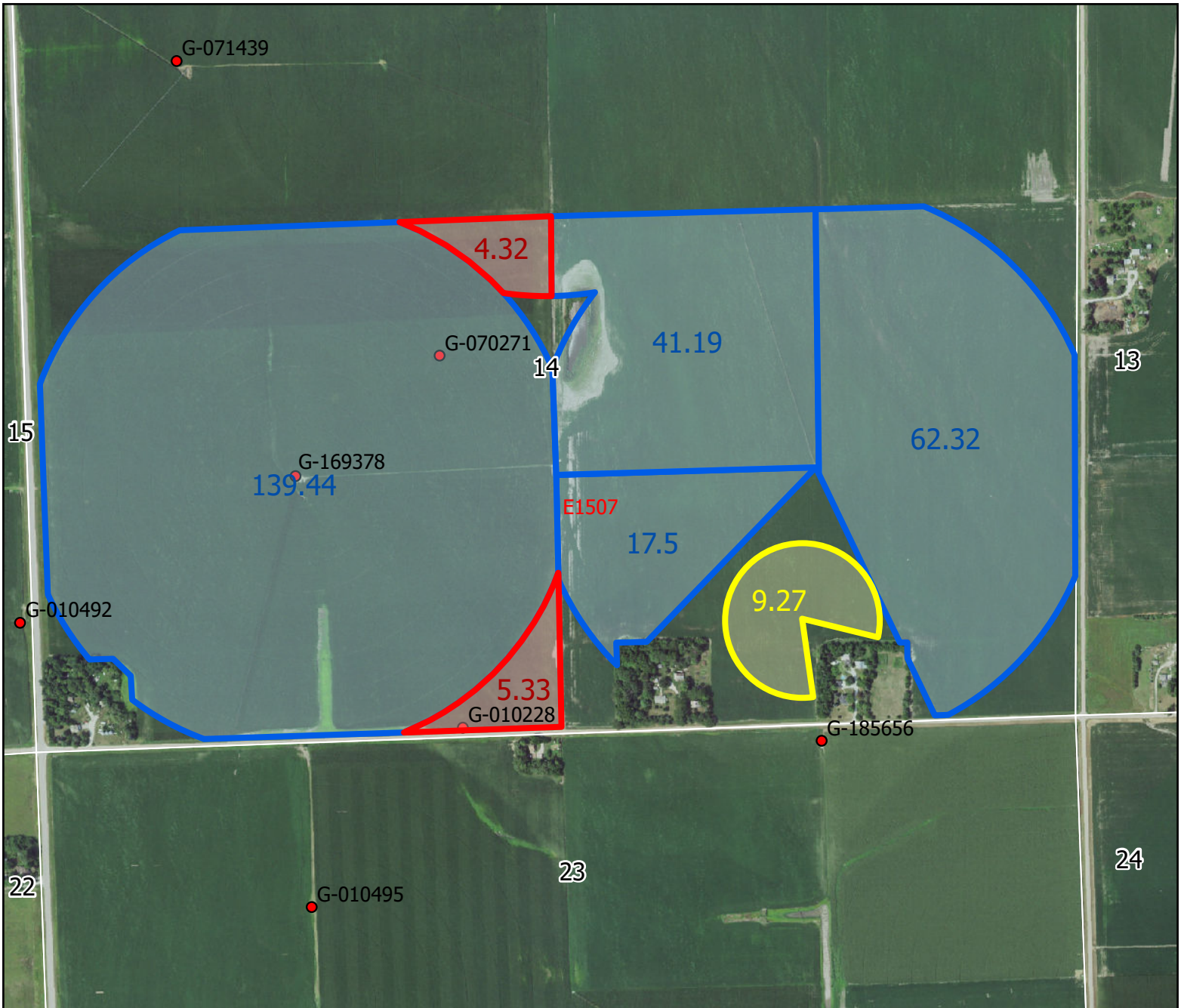
4. SURFACE WATER PROGRAMS

4.A. USGS STREAM FLOW GAUGING SITES




5. OTHER

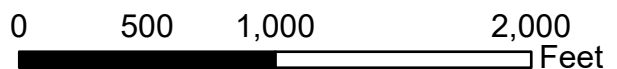
Attached is a brief update on Water Leaders Academy

5.A. COMMENTS FROM THE PUBLIC



14-15N-07E Saunders County

-  Existing irrigated acres
-  Convert to dryland
-  Proposed variance acres



RegCD: G-064907

Well #: UP-14A SWN 20

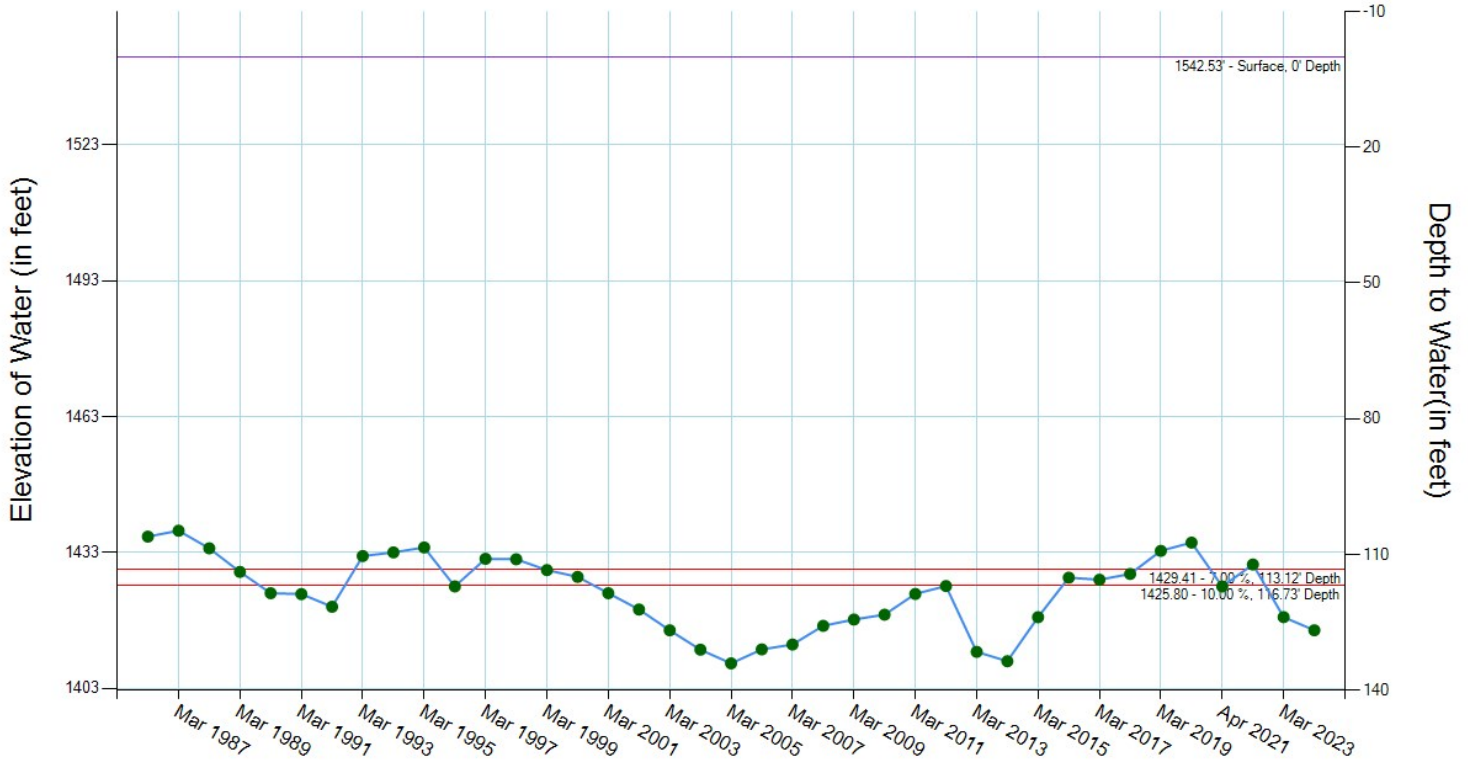
Region: Uplands

County: Butler

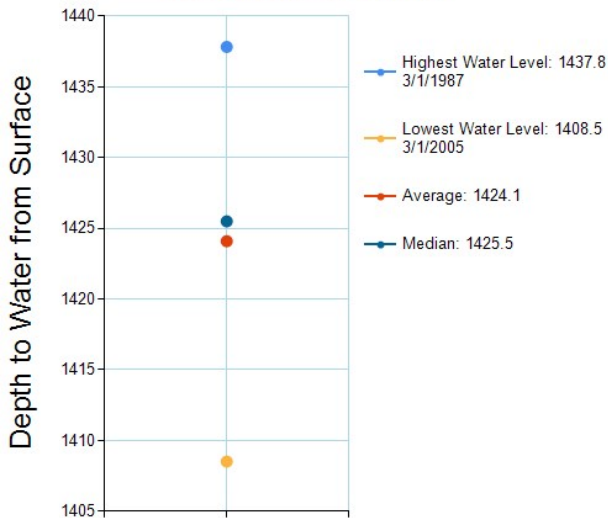
Legal: 16-4E-32

Owner Name: Terry Vavrina

Water Level Readings

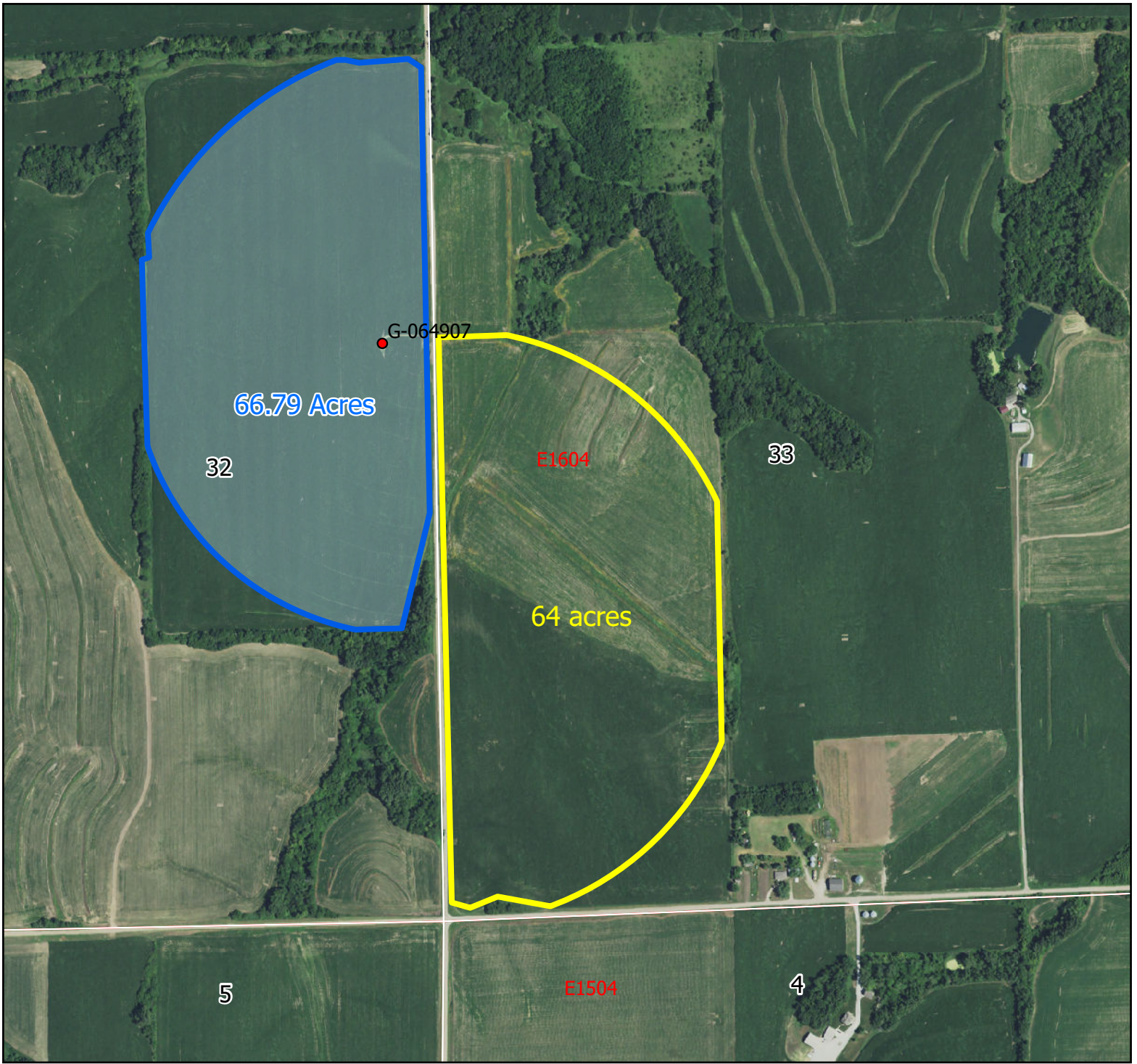


Record Results



Historical Readings (date - reading)

03/01/1986 - 1436.5	03/01/1996 - 1425.5	03/01/2006 - 1411.6	03/01/2016 - 1427.5
03/01/1987 - 1437.8	03/01/1997 - 1431.6	03/01/2007 - 1412.7	03/01/2017 - 1427
03/01/1988 - 1433.9	03/01/1998 - 1431.5	03/01/2008 - 1416.8	03/21/2018 - 1428.3
03/01/1989 - 1428.7	03/01/1999 - 1429.1	03/01/2009 - 1418.2	03/28/2019 - 1433.4
03/01/1990 - 1424	03/01/2000 - 1427.6	03/01/2010 - 1419.3	03/24/2020 - 1435.2
03/01/1991 - 1423.8	03/01/2001 - 1424	03/01/2011 - 1423.9	04/01/2021 - 1425.5
03/01/1992 - 1421	03/01/2002 - 1420.4	03/01/2012 - 1425.6	03/18/2022 - 1430.4
03/01/1993 - 1432.2	03/01/2003 - 1415.8	03/01/2013 - 1411.1	03/22/2023 - 1418.7
03/01/1994 - 1433	03/01/2004 - 1411.5	03/01/2014 - 1409	03/20/2024 - 1415.8
03/01/1995 - 1434.1	03/01/2005 - 1408.5	03/01/2015 - 1418.7	



Proposed Expansion: 33-16-04E Butler County

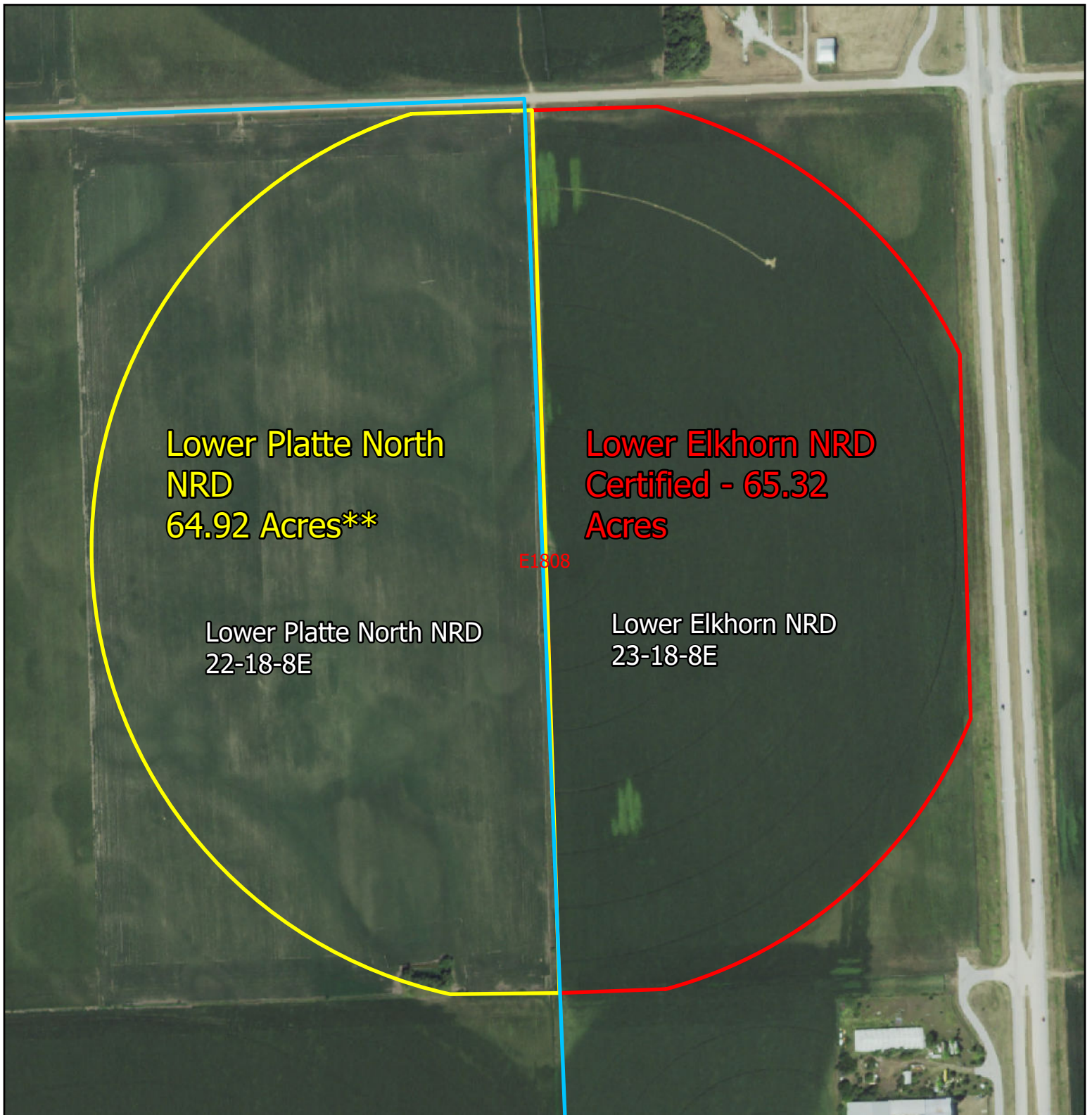
Policy to Approve Variance Requests For Well Permits/Expansion of Acres with Existing Well Involving Inter-District Transfers of Groundwater.

To provide consistency in the variance approval process and to encourage collaboration with neighboring natural resources districts, the LPNNRD Board hereby adopts the following policy:

The LPNNRD Board may approve a variance request for a new well permit/expansion of acres with existing well involving the inter-district transfer of groundwater for irrigation upon the following conditions:

- 1) The Applicant for the Variance is in compliance with all of the rules and regulations of the LPNNRD.
- 2) When all or a portion of the groundwater withdrawn from the proposed/existing well will be used for irrigation in a neighboring natural resources district, the neighboring natural resources district must first grant its approval for the intended use before well operation will be allowed to begin. Written proof of approval by the neighboring natural resources district shall be provided to the LPNNRD staff.
- 3) All new consumptive use associated with the proposed new/existing well shall be governed by the Rules and Regulations of the LPNNRD even if the majority of consumption occurs in the neighboring natural resources district.

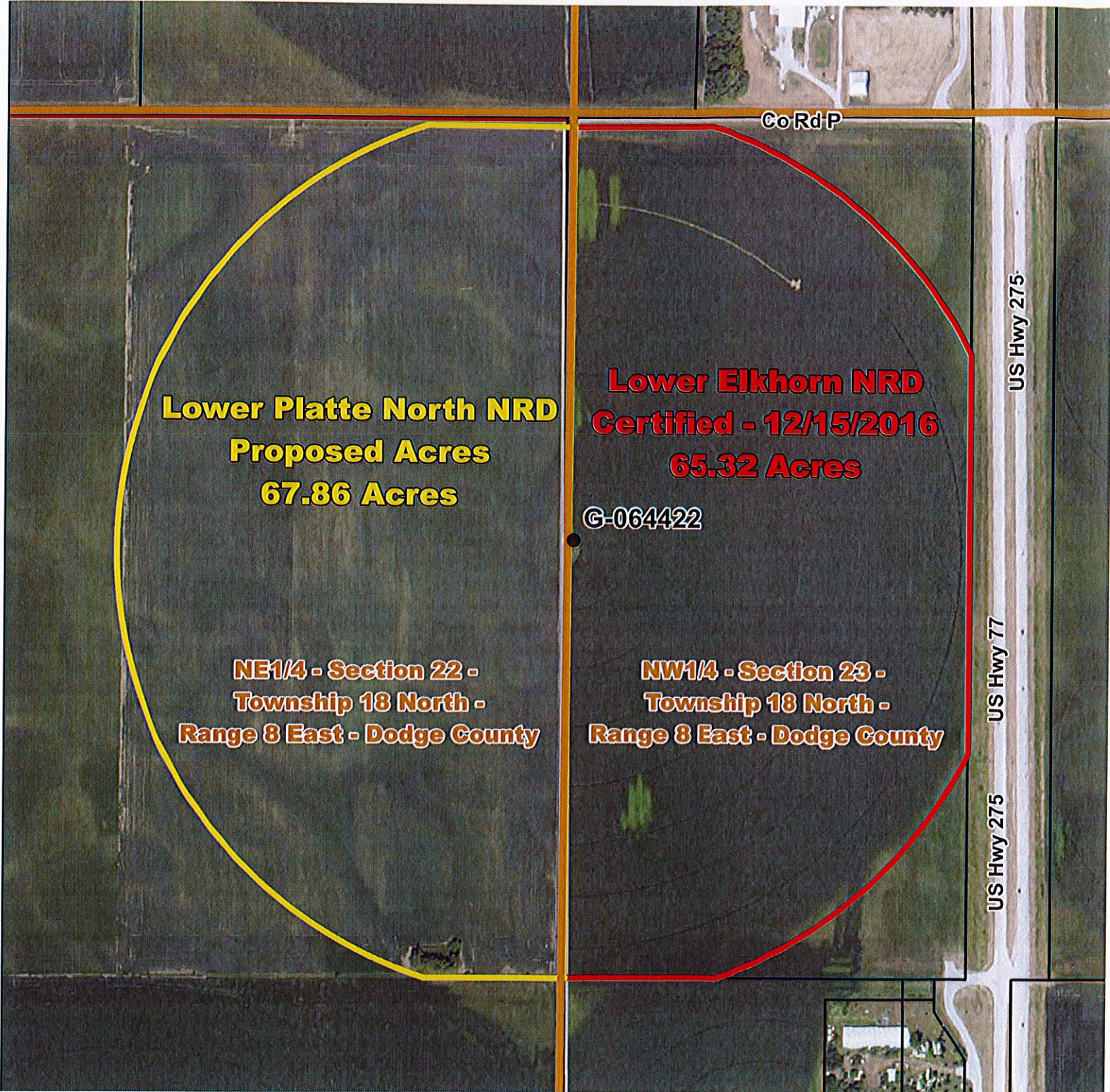
The LPNNRD Board may impose restrictions on the use or operation of the proposed new/existing well as it deems necessary to protect any neighboring wells within the LPNNRD or within the neighboring natural resources district.






Section 22 & 23 - Township 18 North - Range 8 East -
Dodge County - 2022 Aerial Imagery

**Acres measured based on approximated pivot circle radius

Section 22 & 23 - Township 18 North - Range 8 East - Dodge County - 2022 Aerial



-  ACRES GRANTED IN A VARIANCE NEEDING AN AGREEMENT
-  LENRD CERTIFIED ACRES
-  PROPOSED WELL



Natural Resources District

Produced by:
Michael C. Murphy, GIS Specialist
Sources: Nebraska Department of Natural Resources
Lower Elkhorn Natural Resources District
Produced: February 8, 2024

Draft Changes				
Application Number	Applicant Name	Date:	3/27/24 8:40 AM	
n/a	LOWER ELKHORN AGREEMENT		Total Score->	552.8
Category	Divisions	Points Available	Percent of Application	Points Received

New Groundwater Consumptive Use	WF= 1.0			
	0 to 8 Acre Feet	100	100	100
	9 to 16 Acre Feet	80	0	0
	17 to 24 Acre Feet	60	0	0
	25 to 32 Acre Feet	40	0	0
	33 to 40 Acre Feet	20	0	0
	41+ Acre Feet	0	0	0
			Total ->	100

Land Class of field	WF= 1.0			
	No Land Impact	100	0	0
	Class 1	100	25	25
	Class 2	80	47	37.6
	Class 3	60	20	12
	Class 4	40	8	3.2
	Class 5	10	0	0
	Class 6-8/ not more than 20%	0	0	0
			Total ->	77.8

sum area 219,224

Stream Depletion Factor From DNR	WF= 1.25			
	10 to 20%	100	0	0
	21 to 30%	90	0	0
	31 to 40%	80	0	0
	41 to 50%	70	0	0
	51 to 60%	60	0	0
	61 to 70%	50	100	62.5
	71 to 80%	40	0	0
	81 to 90%	20	0	0
	>90%	10	100	12.5
			Total ->	75

Saturated Thickness	WF= 1.0			
	176 to 200 ft.	100	0	0
	151 to 175 ft.	90	0	0
	126 to 150 ft.	80	0	0
	101 to 125 ft.	70	0	0
	76 to 100 ft.	40	100	40
	51 to 75 ft.	20	0	0
	26 to 50 ft.	10	0	0
	0 to 25 ft.	0	0	0
			Total ->	40

Specific Yield	WF= 1.0			
	18.1 to 22 %	100	100	100
	14.1 to 18 %	60	0	0
	10.1 to 14 %	30	0	0
	6.1 to 10 %	10	0	0
	2 to 6%	0	0	0
			Total ->	100

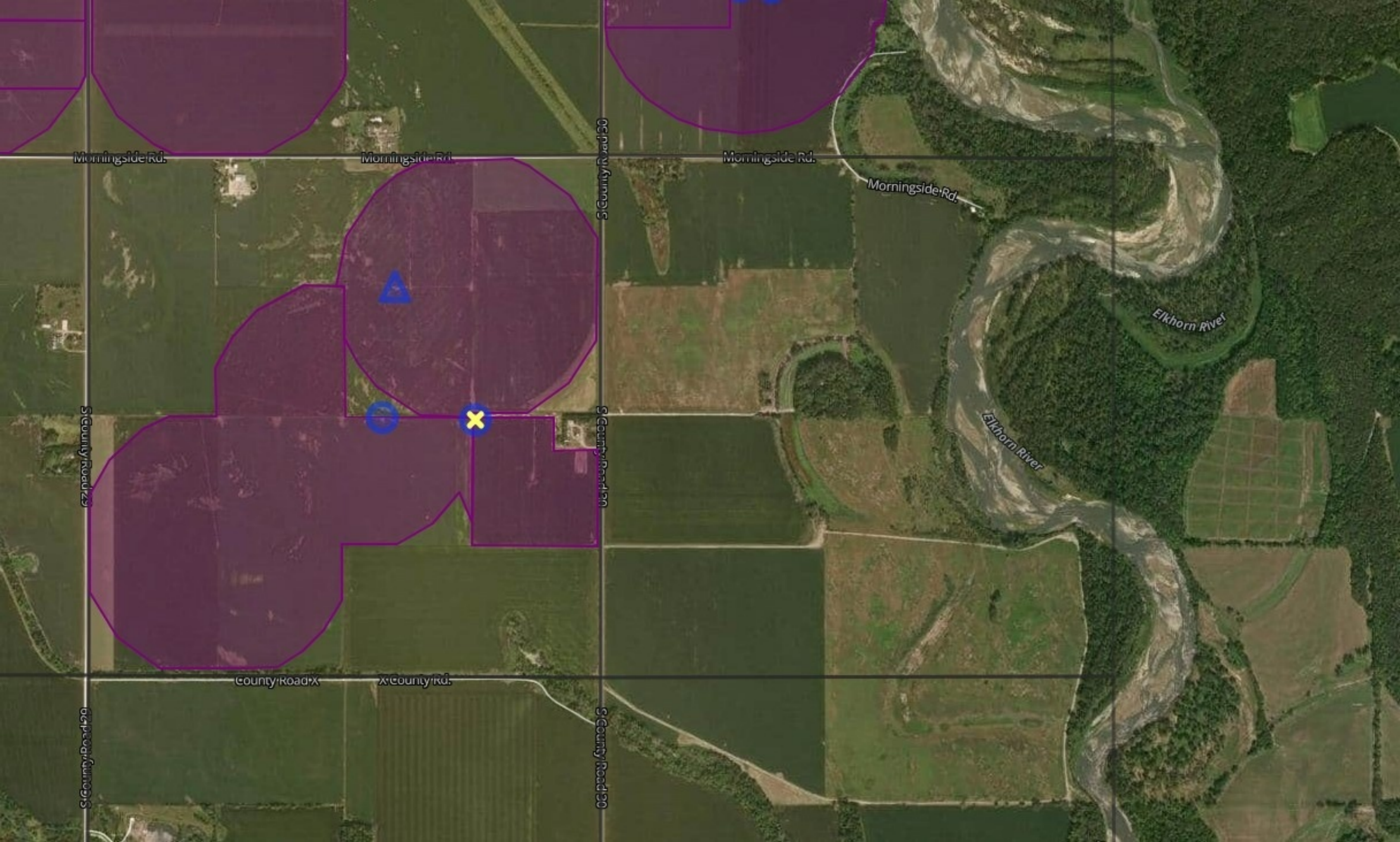
Transmissivity	WF= 1.0			
	21331 to 23700	100	100	100
	18961 to 21330	90	0	0
	16591 to 18960	80	0	0
	14221 to 16590	70	0	0
	11851 to 14220	60	0	0
	9481 to 11850	50	0	0
	7111 to 9480	40	0	0
	4741 to 7110	30	0	0
	2371 to 4740	20	0	0
	0 to 2370	10	0	0
			Total ->	100

21388.94

Irrigation Systems	WF= 1.0			
	Subsurface Drip	100	0	0
	Surface Drip	80	0	0
	Pivot	60	100	60
	Gravity, Gun, Other	10	0	0
			Total ->	60

Additional Points	WF= 1.0			
	Chemigation	10	0	0
	Variable Rate Irrigation	10	0	0
			Total ->	0

Minimum Score of 300 is needed to be considered for variance approval Once a variance is submitted and not approved, it will be carried over for 3 years Land Classes 6-8, with slopes, greater than 20% of the parcel not eligible for a variance			Total Score->	552.8
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Morningside Rd.

Morningside Rd.

Morningside Rd.

S County Road 30

Morningside Rd.

Elkhorn River

Elkhorn River

S County Road 29

S County Road 28

County Road 18

S County Rd.

S County Road 20

S County Road 20

**APPLICATION FOR A PERMIT TO CONSTRUCT A WATER WELL
IN THE LOWER PLATTE NORTH NATURAL RESOURCES DISTRICT**

DNR & NRD USE ONLY			
Permit No. _____	Date Approved/Denied _____	NRD Representative _____	
Permit Type: New, Replacement or Late _____	Date Received _____	Paid: Cash or Check _____	
Date Post-inspected _____	Registration No. _____	Updated Form: June 2022	

ALL APPLICANTS SEEKING A WATER WELL PERMIT MUST COMPLETE PAGES 1 AND 2, AND THE APPROPRIATE SECTION BASED ON THE PURPOSE OF THE WELL. (CLASS 1 - 4 WELL PERMIT)
 WATER WELL PERMITS FOR IRRIGATED ACRES GREATER THAN 160 ACRES IN SIZE OR TOTAL ANNUAL WATER USE BETWEEN 150 AND 300 ACRE FEET PER YEAR MUST COMPLETE PAGES 1, 2, AND 3, AND THE APPROPRIATE SECTION BASED ON THE PURPOSE OF THE WELL. (CLASS 3 WELL PERMIT)
 WATER WELL PERMITS FOR TOTAL ANNUAL WATER USE EQUAL TO OR GREATER THAN 300 ACRE FEET PER YEAR, REGARDLESS OF NUMBER OF IRRIGATION ACRES, MUST COMPLETE PAGES 1, 2, AND 4, AND THE APPROPRIATE SECTION BASED ON THE PURPOSE OF THE WELL. (CLASS 4 WELL PERMIT)

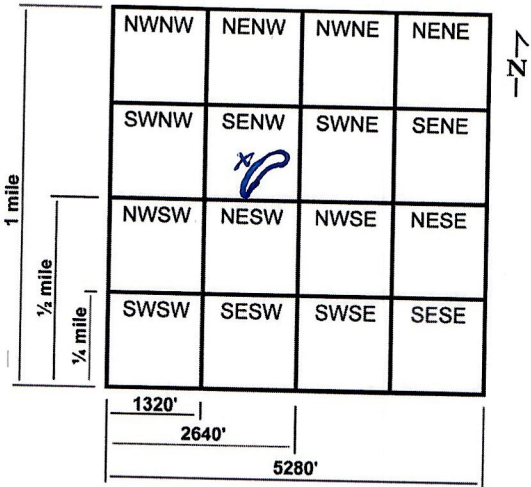
1. NAME AND ADDRESS OF LAND OWNER: <u>Curtis Corp</u> <u>200 Mansell Ct East #510</u> <u>Roswell, GA 30076</u> Phone: <u>843-367-9202</u>	NAME AND ADDRESS OF CONTACT: <u>Rory Mulhally</u> <u>1142 Corey Dr</u> <u>Blair, NE 68008</u> Phone: <u>402-305-5976</u>
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2. PURPOSE OF NEW WATER WELL (indicate one):

<input type="checkbox"/> Irrigation (Complete section A)	<input type="checkbox"/> Dewatering (Over 30 days, Complete section B)
<input type="checkbox"/> Livestock (Complete section C)	<input type="checkbox"/> Domestic (Irr. on one acre or larger, Complete section D)
<input type="checkbox"/> Industrial (Complete section E)	<input type="checkbox"/> Public Water Supply (Complete section F)
<input type="checkbox"/> Recovery or Remediation (Complete section G)	
<input checked="" type="checkbox"/> Other (specify) <u>Pond Fill</u> (Complete section H)	

3. IDENTIFY LOCATION OF PROPOSED WELL:

A. Dodge County, SE 1/4 of the NW 1/4 of Section 30, Township 17 North, Range 10 East/West. (circle one)



B. The box at the right represents one square mile, (section). Indicate with an "X", the proposed location of the well. Outline the proposed water use area. If the water is to be used outside the above written legal description, give legal description of water use area, _____ 1/4 of the _____ 1/4 of Section _____, Township _____ North, Range _____ East/West.

C. The well will be located 2100 feet from the North/South section line, and will be 1900 feet from the East/West section line. Or enter Lat. / Long.
 Latitude Degree _____ Minute _____ Second _____
 Longitude Degree _____ Minute _____ Second _____

4. REPLACEMENT AND ABANDONED WELL INFORMATION:

A. Is this a replacement well? Yes, No. If yes, fill out the rest of this section.

B. Registration number of well to be replaced: _____

C. Well to be replaced was last operated (month/year): _____

D. Replacement well is _____ feet from original well.

E. Decommissioning of Original well on (month/day/year): _____

F. If water use is for irrigation, list the number of acres watered by the original well: _____

G. If water use is for irrigation, will replacement well, water the same tract of land as the decommissioned well?
 Yes, No: If No, list the number of additional acres _____ and legal description _____ 1/4 of the _____ 1/4 of Section _____, Township _____ North, Range _____ East/West. (circle one)

- A replacement water well must deliver water to the same tract of land as the original water well, pump from a comparable aquifer, and yield approximately the same gallons per minute and total annual water use as the original water well.

5. SPECIFICATIONS OF INTENDED WELL AND PUMP:

- A. Approximate date when construction will begin (month/day/year): May 1 2024
- B. Expected total well depth: 80 feet.
- C. Well Casing Diameter: 8" inches.
- D. Pump Column Diameter: 4" inches.
- E. Estimated pumping capacity: 350 GPM.
- F. Expected total annual water use in Acre Inches / Year 72 or Total Gallons / Year _____
- G. The system is to be powered by Electric Fuel
- H. Will the well be used in a system with other wells? Yes, No. If Yes, How many 1
List well registration number and legal description of each well in Section 6 below.
- I. Name of Well Driller: unknown (Please attach test hole log, if available.)

6. List additional information requested in this Section or attached additional sheet.

See Attached

7. Addition information and requirements for Lower Platte North NRD review.

- Attach current tax assessor records including map, parcel number, and current land use such as irrigated acres.
- Attach aerial photo showing location of water source(s) and area water or reuse water is to be used.
- All new and replacement water wells must install a District approved flow meter and report water pumped annually to the LPNNRD by January 31st of the following year. See approved list in this packet.
- Water well permit conditions maybe required for approval by the Lower Platte North NRD for each individual well.

8. I certify that I am familiar with the information contained in this application, and it's restrictions, rules and regulations and that to the best of my knowledge and belief such information is true, complete and accurate.

Date 3/26/2024 Signature of Applicant [Signature]
Signature of Well System Operator, if different than Applicant _____
NRD Certification Number of Landowner or Operator _____ (Required for irrigation, livestock, domestic (with irrigation on one acre or more of land), industrial, and public water supply wells.)

9. Lower Platte North NRD Use Only. Comments by District Representative.

**APPLICATION FOR A PERMIT TO CONSTRUCT A WATER WELL
IN THE LOWER PLATTE NORTH NATURAL RESOURCES DISTRICT**

**WATER WELL PERMIT FOR IRRGATED ACRES GREATER THAN 160 ACRES IN SIZE OR TOTAL
ANNUAL WATER USE BETWEEN 150 AND 300 ACRE FEET PER YEAR, PROVIDE INFORMATION
REQUESTED ON PAGES 1, 2, AND 3. (CLASS 3 WELL PERMIT)**

10. WATER SOURCE INFORMATION:

In a TWO-mile radius around the water source location, provide the following information to the LPNNRD in both paper copy and electronically in Excel Spreadsheet (Microsoft) or Access Database (Microsoft) format.

- A. List of all registered wells in this area giving registration number, well identification number, legal description, latitude / longitude or UTM coordinates in NAD 83, elevation in feet above mean sea level, and well log for each well.
 - B. List of all test holes in the area that have been published by Conservation and Survey Division of the University of Nebraska.
 - C. List of all surface water rights in this area giving appropriation number, priority date, legal description, use, status, current total acres (if applicable), and grant amount.
-

11. WATER USE LOCATION INFORMATION:

In the location where the water will be used, provide the following information to the LPNNRD in both paper copy and electronically in Word (Microsoft) format.

- A. Description of expanded water use including: latitude / longitude or UTM coordinates in NAD 83 of water use location and timeframe or schedule when water will be used.
 - B. Amount of water that will be reused or recycled at this new location.
 - C. Description of how water will be used at this new location, i.e. process water vs. cooling water, etc. and estimated total annual water use for each purpose.
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**APPLICATION FOR A PERMIT TO CONSTRUCT A WATER WELL
IN THE LOWER PLATTE NORTH NATURAL RESOURCES DISTRICT**

WATER WELL PERMIT FOR TOTAL ANNUAL WATER USE EQUAL TO OR GREATER THAN 300 ACRE FEET PER YEAR, REGARDLESS OF NUMBER OF IRRIGATED ACRES, PROVIDE INFORMATION REQUESTED ON PAGES 1, 2, AND 4. (CLASS 4 WELL PERMIT)

12. WATER SOURCE INFORMATION:

In a FIVE-mile radius around the water source location, provide the following information to the LPNNRD in both paper copy and electronically in Excel Spreadsheet (Microsoft) or Access Database (Microsoft) format.

- A. List of all registered wells in this area giving registration number, well identification number, legal description, elevation in feet above mean sea level, latitude / longitude or UTM coordinates in NAD 83, and well log for each well.
 - B. List of all test holes in the area that have been published by Conservation and Survey Division of the University of Nebraska.
 - C. List of all surface water rights in this area giving appropriation number, priority date, legal description, use, status, current total acres (if applicable), and grant amount.
-

13. WATER USE LOCATION INFORMATION:

In the location where the water will be used, provide the following information to the LPNNRD in both paper copy and electronically in Word (Microsoft) format.

- A. Description of expanded water use including: latitude / longitude or UTM coordinates in NAD 83 of water use location and timeframe or schedule when water will be used.
 - B. Amount of water that will be reused or recycled at this new location.
 - C. Description of how water will be used at this new location, i.e. process water vs. cooling water, etc. and estimated total annual water use for each purpose.
-

14. AQUIFER PUMP TEST:

In the location of the proposed water source a District approved aquifer pump test is to be performed to obtain geologic data that will be used in the ensuing ground water modeling effort. Data from the pump test is to be reported to the LPNNRD in both paper copy and electronically in Excel Spreadsheet (Microsoft) or Access Database (Microsoft) format.

- A. Description of pumping well should include legal description of well, latitude / longitude or UTM coordinates in NAD 83, elevation of well in feet above mean sea level, total amount of water pumped, gallons per minute during pump test, duration of pump test, well construction, well log, water discharge location and method.
 - B. Description of each monitoring well should include legal description of well, latitude / longitude or UTM coordinates in NAD 83, spacing in feet and direction from pumping well, elevation of well in feet above mean sea level, well log, and well construction.
 - C. Depth to bedrock, bedrock material, and name of geologic formation.
-

15. GROUNDWATER MODEL:

In a FIVE-mile radius of the location of the proposed water source a ground water model using MODFLOW software, or similar software approved by LPNNRD, is to be done. Data from the ground water model is to be reported to the LPNNRD in both paper copy and electronically using the appropriate software.

- A. Model should list boundary conditions used, grid size, include all high capacity wells in modeled area, streams and rivers in the modeled area, expected recharge rates, location and flow amounts, hydrologic conductivity and transmissivity values used.
 - B. At least one iteration, reviewed and approved by LPNNRD, should model steady state conditions over a five-year period with a no flow boundary, and little or no recharge to simulate drought conditions.
-

**APPLICATION FOR A PERMIT TO CONSTRUCT A WATER WELL
IN THE LOWER PLATTE NORTH NATURAL RESOURCES DISTRICT**

PURPOSE OF WELL

IRRIGATION WELLS (SECTION A)

- A. How many acres will be irrigated? _____ acres
- B. Crops to be planted: _____ Crop rotation schedule _____
- C. Type of irrigation system. Center Pivot, Gravity, Other (specify) _____
- D. The irrigation system is to be powered by Electric Fuel
- E. Expected total annual consumptive water use in Acre Inches / Year _____ or
Total Gallons / Year _____
- F. Will Fertilizer, Chemicals or Animal waste be applied through the system? Yes, No

DEWATERING WELLS OVER 30 DAYS (SECTION B)

- A. Purpose of dewatering well, such as installation of building foundation, etc. _____
- B. Expected total number of days the dewatering well will be in use _____
- C. Approximate dates (month/day/year) in operation: Start _____ End _____
- D. Legal description of water discharge location: _____ ¼ of the _____ ¼ of Section _____, Township _____ North, Range _____ East/West and name of river, stream or water body _____
- E. Will discharge water be used for another purpose, such as livestock, irrigation, etc.? Yes, No
If Yes, list purpose, location and expected total amount of water use in acre-inches / year or total gallons / year.

LIVESTOCK WELLS (SECTION C)

- A. Name of facility _____
- B. Type of Livestock: Feeder Cattle, Dairy Cattle, Swine over 55 lbs., Swine under 55 lbs.,
 Sheep, Poultry, Horses
- C. Average number of livestock per year _____ and average weight per animal _____ lbs.
- D. Peak number of livestock _____ and time of year _____
- E. Is facility approved by Nebraska Department of Environmental Quality? Yes, No. If Yes, list NDEQ certification IIS number _____ If No, complete the rest of this section.
- F. Type of facility: Open lot, Covered Building
- G. If facility is Open lot, list soil type _____
- H. Estimated depth to ground water under feedlot _____ ft.
- I. Describe manure collection system of feedlot _____
- J. Name and distance of nearest surface watercourse from feedlot _____
- K. For each manure land application site, list legal description and size in acres, method of application, and distance from feedlot operation.

DOMESTIC WELLS WITH IRRIGATION ON ONE ACRE OR MORE (SECTION D)

- A. Check all that apply:
 - a. Water use: Lawn and number of acres to be irrigated _____ acres.
 - b. Water use: Commercial garden and number of acres to be irrigated _____ acres.
 - c. Water use: Tree Farm and number of acres to be irrigated _____ acres.
 - d. Water use: Type of livestock _____ and number _____
- B. Type of irrigation system. Sprinkler, Drip Tape, Other (specify) _____
- C. If applicable, give Street address and town _____

* One acre equals 43,560 square feet.

INDUSTRIAL AND COMMERCIAL WELLS (SECTION E)

- A. Name of facility _____
- B. Products produced by facility _____
- C. In Section 6 or on a separate sheet of paper, list well registration number and legal description of current wells supplying water to this facility.
- D. In Section 6 or on a separate sheet of paper, provide a short description how water is used within the facility and the expected annual amount of water for each use. For example: "The manufacturing plant will use 45% of total annual water use, or 1.45 million gallons per year, for electroplating of galvanized pipe and the remaining 55% of total annual water use, or 1.77 million gallons per year, will be used for non-contact cooling water throughout the plant".
- E. Will any of the used water or waste water from this facility be re-used for another purpose? Yes, No.
If Yes, list purpose, location and expected total amount of water use in acre-inches / year or total gallons / year.

PUBLIC WATER SUPPLY WELLS (SECTION F)

- A. On a separate sheet of paper, list the well registration numbers and legal description of current wells supplying water to this community.
- B. Attach a list of the five largest industrial water users that your community supplies water to, and the total annual amount of water supplied to each of these industries for the last five years.
- C. For these same industries list the total annual amount of water returned to the community as waste water for each of the last five years.
- D. Will waste water be used for another purpose, such as livestock, irrigation, etc.? Yes, No
If Yes, list purpose, location and expected total amount of water use in acre-inches / year or total gallons / year.
- E. Attach a list of the golf courses that the community supplies water to and list the location and number of acres for each one.

RECOVERY OR REMEDIATION WELLS (SECTION G)

- A. Reason for recovery or remediation well, i.e. leaking underground storage tank. _____
- B. Contaminates of concern _____
- C. Treatment method of contaminants _____
- D. Approximate dates (month/day/year) in operation: Start _____ End _____
- E. Legal description of water discharge location: _____ ¼ of the _____ ¼ of Section _____, Township _____ North, Range _____ East/West and name of river, stream or water body _____
- F. Will cleanup water be used for another purpose, such as livestock, irrigation, etc.? Yes, No
If Yes, list purpose, location and expected total amount of water use in acre-inches / year or total gallons / year.

OTHER WELLS (SECTION H)

- A. Purpose of water use Pond Fill
- B. Will the well be used for one calendar year or less? Yes, No
 - a. If Yes, list approximate dates (month/day/year) the well will be in operation: Start _____ End _____
 - b. If No, list the approximate dates (months) or seasons of the calendar year that well is expected to be in peak or highest use. October - January
- C. Legal description of water discharge location: NW ¼ of the SE ¼ of Section 30, Township 17 North, Range 10 East and name of river, stream or water body Elkhorn River

This form must be completed in full and accompanied by a non-refundable \$50.00 filing fee (payable to the Lower Platte North Natural Resources District). In addition, for Class 3 well permits an added fee of \$250.00 is required for District review. For Class 4 well permits an added fee of \$500.00 is required for District review. Forward this application and filing fees to:

**Lower Platte North Natural Resources District
P.O. Box 126
Wahoo, NE 68066
Phone: (402) 443-4675**

Please take the time and fill out the information correctly. The District will return an incomplete or defective application, with 60 days being allowed for resubmission. The District shall issue all permits with conditions attached, or denied not later than 30 days after receipt of a complete and properly prepared application.

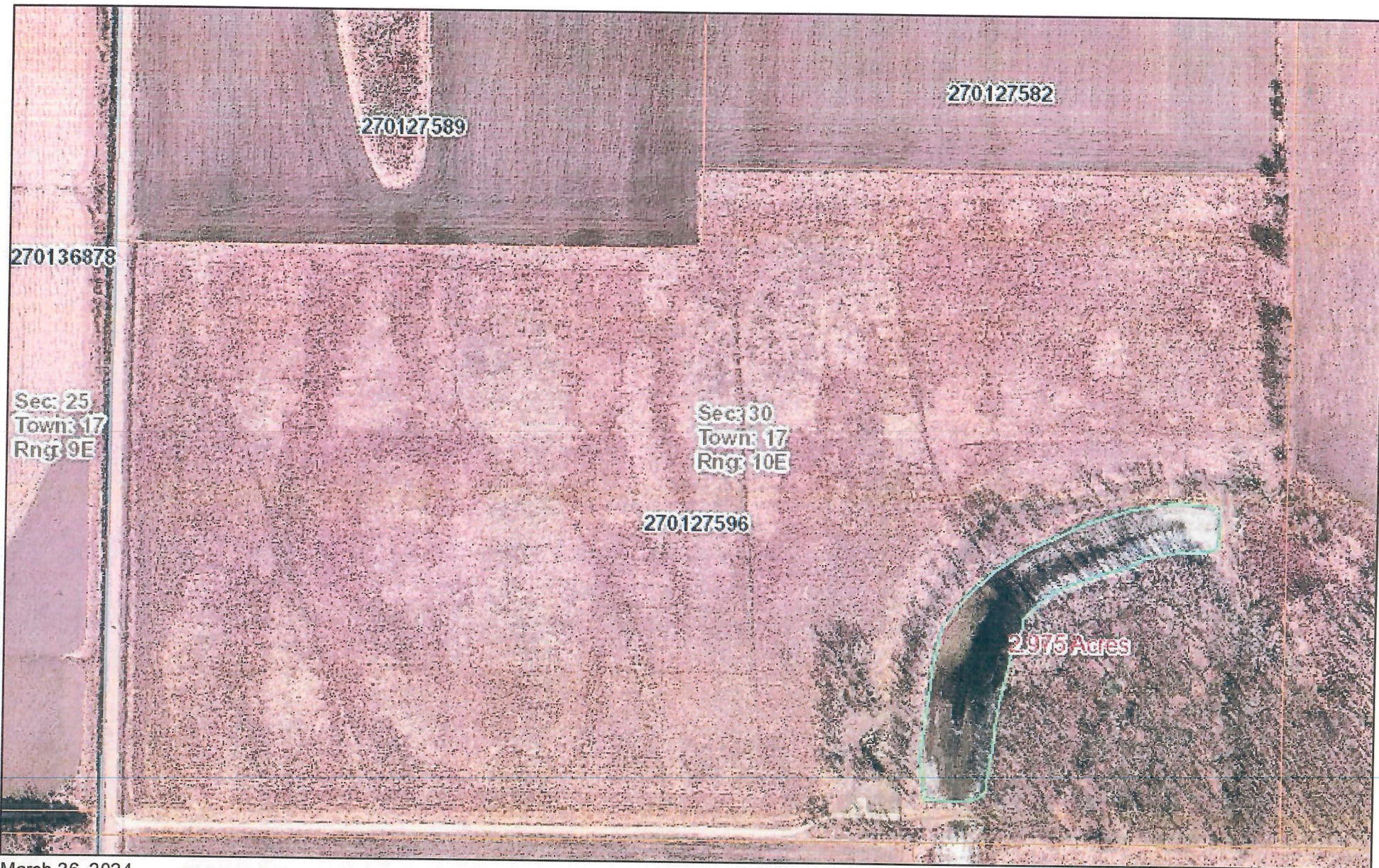
WATER WELL PERMIT RESTRICTIONS

1. A well permit is required prior to the construction of a water well. If construction of a water well is commenced prior to obtaining a permit, a late permit must be completed and accompanied by a \$250.00 application fee. Construction or operation of a new water well without an approved water well permit shall result in the District issuing a 'cease and desist order' against further construction or use of that water well.
2. An irrigation well shall not be constructed within 1000 feet of any registered industrial or public water supply well or within 600 feet of a registered irrigation well; A public water supply well shall not be constructed within 1000 feet of any registered irrigation, industrial or other public water supplier's well; An industrial well shall not be constructed within 1000 feet of any registered irrigation, industrial or public water supply well pursuant to §46-609 and §46-651. These spacing restrictions shall not apply to water wells owned by the same person. Any person may apply to the Nebraska Department of Natural Resources for a special permit to drill a water well without regard to the spacing requirements pursuant to §46-653. The District may adopt stricter well spacing requirements based on different aquifer subareas. Check with the District office if you have any questions.
3. This permit does not register the well with the Department of Natural Resources. All wells are required to be registered by the well driller with the Nebraska Department of Natural Resources within 60 days after the well is completed.
4. A replacement water well is one, which replaces an abandoned water well that has been operated within the last three years, and is constructed to water the same tract of land as the abandoned water well that is being replaced. A replacement water well must be pumping from a comparable aquifer and yield approximately the same gallons per minute and total annual water uses as the original water well it is replacing. As of January 1, 1997, both new and replacement wells need a permit from the Lower Platte North Natural Resources District.
5. Consumptive water use in acre-inches is determined from the Department of Natural Resources (DNR) Net Corn Crop Irrigation Requirement map or a similar map produced by the University of Nebraska.
6. If the well is being replaced it must be properly abandoned according to state guidelines. A copy of these guidelines is available from the Lower Platte North NRD.
7. If the water well is not constructed within a one-year period from the date of approval, a new permit is needed.
8. Water wells may not be drilled within 50 feet of a stream bank without first obtaining a surface water right for that water withdrawal from the Department of Natural Resources pursuant to §46-637.
9. Any person who, on or after January 1, 1997, commences or causes construction of such a well for which the required permit has not been obtained, or who knowingly furnishes false information regarding such a permit, shall be guilty of a Class IV misdemeanor pursuant to §46-602.01 and §46-613.02.
10. Permits are not required for test holes or temporary dewatering wells (30 days or less). Permits are needed for water wells designed to pump 50 gallons per minute or less in Level 3 and Stay management areas.
11. Tax assessor records submitted with water well permit must include map, parcel number and an accurate account of current land use, such as irrigated acres.
12. With the well permit application, submit an aerial photograph with markings to show the location of the water source(s) and the location of where the water is to be used.
13. Any person, who knowingly furnishes false information regarding a water well permit, shall be subject to the imposition of penalties imposed through the controls adopted by the District pursuant to §46-746.
14. All new or replacement water wells must install a District approved flow meter and report water pumped annually in acre-inches per year or total gallons per year on LPNNRD approved forms by January 31st of each following year.
15. If multiple water sources are used, landowner must supply flow records from each water source in acre-inches per year or total gallons per year on LPNNRD approved forms by January 31st of each following year.
16. Water well permit applications require that the applicant or operator of irrigation, livestock, domestic (with irrigation on one acre or more of land), industrial, and public water supply wells by NRD certified.

**** Landowners must list new irrigated acres with the County Assessor, update the DNR well registration, and comply with any additional conditions within 90 days of LPNNRD approval of this water well permit. LPNNRD staff may perform a site visit to verify information provided in the well permit application. ****

The proposed well will be used to fill a small pond (approx. 3 acres) to a depth of about 2'. This is only to be used in waterfowl hunting. The water is not intended to run to the Elkhorn river. There will be no irrigated acres.

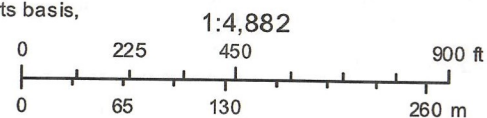
There is an existing unregistered well that may be used in conjunction with the new well and for the same purpose.



March 26, 2024
10:59 AM

DISCLAIMER: This map is not intended for conveyances, nor is it a legal survey. The information is presented on a best-efforts basis, and should not be relied upon for making financial, survey, legal or other commitments.

- Parcels
- Sections





DRAFT AGENDA

Lower Platte River Basin Water Management Plan Coalition Board 2024 Annual Meeting April 23, 2024 1:30 P.M.

Clint Johannes Education Building at Lake Wanahoo (1655 County Road 16) – Wahoo, NE

- I. Introductions and Administrative Items – Hilger, Coalition Chair
- II. Public Comment
- III. *Approve 2023 Annual Meeting Minutes
- IV. *Current Financials – Wilcox, NARD
- V. Management / Technical Committee Update – Callan/Naprstek, LLNRD
 - a. Member Annual Reports
 - b. 2nd Increment Depletions Summary
 - c. Online Database
 - d. Lower Platte Missouri River Tribs Model
- VI. *FY 24-25 Budget
- VII. 20 Years of Integrated Water Management (LB 962 2004) – NeDNR
- VIII. Next Meeting
- IX. Adjourn

Lower Platte River Basin Coalition **FY 24-25** Budget
 Approved for Recommendation by Management Committee

	DRAFT FY 24-25 Budget			
INCOME	Account	Sub Account	Actual	Difference
Beginning Cash Balance	\$ 290,350.00		\$ -	\$ (290,350.00)
Member Dues	\$ 80,000.00		\$ -	\$ (80,000.00)
Affiliate Dues	\$ -		\$ -	\$ -
Coalition Programs	\$ -		\$ -	\$ -
Grants	\$ -		\$ -	\$ -
Total:	\$ 370,350.00		\$ -	\$ (370,350.00)

	DRAFT FY 24-25 Budget			
EXPENSES	Account	Sub Account	Actual	Difference
Professional Services	\$ -		\$ -	\$ -
Consultant		\$ -	\$ -	\$ -
Meetings	\$ 100.00		\$ -	\$ (100.00)
Advertisement		\$ 100.00	\$ -	\$ (100.00)
Plan Implementation	\$ 100,000.00		\$ -	\$ (100,000.00)
Technical Action Items		\$ 100,000.00	\$ -	\$ (100,000.00)
Total: Expenses	\$ 100,100.00		\$ -	\$ (100,100.00)

Ending Cash Balance	\$ 270,250.00		\$ -	\$ (270,250.00)
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SUMMARY

Lower Platte River Basin Wide Plan Coalition Annual Board Meeting - April 12, 2023 10:00 am Offices of NARD- 8100 South 15th Street, Suite B, Lincoln, NE

Voting Members Participating: C. Higgins (ULNRD), R. Burnside (ULNRD), H. Thoene (LLNRD), J. Adams (LLNRD), C. Gotschall (UENRD), T. Sanderson (UENRD), G. Loftis (LENRD), M. Sousek (LENRD), B. Hilger (LPNNRD), G. Hellerich (LPSNRD), P. Zillig (LPSNRD), J. Winkler (PMRNRD), J. Bradley (NeDNR),

Others: R. Callan (LLNRD), T. Naprstek (LLNRD), K. Gustafson (LLNRD), J. VanDerslice (UENRD), D. Andersen (LPNNRD), R. Chapman (LPNNRD), A. Baum (ULNRD), D. Wilcox (NARD), S. Owen (City of Lincoln)

I. Introductions – Chair Hilger (LPNNRD) called the meeting to order at 10:00 a.m. Roll call was taken, and a quorum was present with each member represented. It was noted that publication of meeting notice was provided in the Lincoln Journal Star. A copy of the open meetings act was available.

II. S. Owen provided the board a presentation outlining the process and findings a committee of stakeholders utilized for exploring the resiliency of Lincolns water supply. He provided the board with a summary of the committees findings noting the preferred second source that the city is pursiing will be a wellfield near the Missouri River.

III. A copy of the minutes from the 2022 annual meeting were presented.

J. Winkler (PMRNRD) moved to approve the minutes of the 2022 Annual meeting as presented, the motion was seconded by P. Zillig (LPSNRD) – Following a voice vote the motion carried all in favor.

D. Wilcox (NARD) provided the board with an overview of timeline and history of how the coalition was created and funded to date. The board reviewed current financials with YTD revenue of \$70K and YTD expenses of \$29.04. It was discussed that revenue should reach \$80K by end of FY pending one outstanding dues invoice for \$10K. It was reported that the current cash balance is \$244,481.28.

The current FY22-23 budget was reviewed, and budgeted expenses were contrasted with current expenses through April. It was noted that the beginning cash balance exceeded the budgeted amount by \$51K – it was noted that this was due to \$7K in contract work was completed under budgeted and also two outstanding invoices for pending database work totaling \$44K are being held pending completion of database. It was noted that none of the \$100K budget project implementation funds have been expended and it is anticipated there will no be additional expenses from this category during the current FY.

J. Winkler (PMRNRD) moved to accept the financials as presented, the motion was seconded by C. Higgins (ULNRD). The motion carried all in favor.

IV. R. Callan (LLNRD) provided a summary of Management Committee meeting. T. Naprstek (LLNRD), Technical Committee Chair, provided summary of Technical

Committee efforts and discussed that each member's annual report was submitted using the process outlined by the plan. He thanked all districts and committee members for their efforts. It was noted that the plans can be viewed in their entirety on the Coalitions website: <https://lprbc.nebraska.gov/>.

T. Naprstek summarized the total annual depletions table that was distributed. It was discussed that following the end of the 2nd increment, all members utilized negligible amounts of allowable depletion levels. New peak season depletions totaled 33 acre-feet across the basin during the 2nd Increment, with 36,283 acre-feet, or 100% of total 2nd increment depletions remaining basin wide. It was noted that consumptive use is still being compiled, but it doesn't impact the plan, it is just tracked and used for modeling purposes.

T. Naprstek discussed that HDR has transitioned the online database for depletions tracking over to NeDNR. It was discussed that the technical committee has been involved and will be meeting within next couple of weeks to review progress. It was noted that additional incurred cost for improvements may arise as the committee begins to utilize the database.

T. Naprstek noted the committee has summarized all drought planning efforts and activity across the basin in accordance with the proposed new 2nd increment plan objective. NeDNR is working with districts and committee to see how new depletions and relinquishments impact drought, these are ongoing discussions.

T. Naprstek noted NeDNR is working with districts to compile AEM data and the new models for the next analysis in 5-years. D. Wilcox summarized the process utilized for the first two increments noting it was analytical process utilized, the hope is to have the numerical model complete in time to utilize for the next increment analysis.

- V. D. Wilcox (NARD) outlined the distributed FY 23-24 budget that was approved by the Management Committee to propose to the Board for final approval. The beginning cash balance is budgeted at \$210,450 – looks like we'll actually be at \$254K but have pending \$44K outstanding for database work that may be paid in this or next FY. The presented budget included \$10K dues from each of the 8-members for \$80K in revenue. Budgeted expenses include \$100 for meeting notices and \$100K for Plan Implementation work. It was discussed that there are no current contracts in place, but the technical committee will be working on implementation of the plan objectives which may require consultant services, it was also noted the committee has not seen the database and following transfer to NeDNR there may be additional work required. The budgeted FY23 yearend cash balance is \$190,350.

A motion was made by J. Winkler (UENRD) to approve the FY24 budget as presented; the motion was seconded by J. Adams (LLNRD). The motion carried all in favor.

- VI. It was noted that the Drought Mitigation Center was unable to participate due to the hosting of a conference. The board held general discussion about the current status of drought across the basin and local impacts.
- VII. J. Bradley (NeDNR) provided a presentation summarizing ongoing NeDNR water

initiatives and funding provided to NeDNR to focus on securing and protecting water supplies across the state. Bradley summarized the surface water infrastructure funding totaling \$50M, noting \$12 million in contracts have been obligated to irrigation districts to date, with several more contracts un the works. It was noted NeDNR is working to distribute ARPA funding of \$23M for Gering-Fort Laramie to address tunnel collapse impacts and permanent repairs. The Departments is also distributing ARPA funding of \$20M to assist Lincoln with exploring additional water sources.

Bradley provided a summary of NeDNR efforts to work on LB 1023 flood mitigation efforts. NeDNR is moving forward with requirements of the legislation including studying potential impacts of a lake between Lincoln and Omaha on Lincoln's wellfield – they are currently working with partners to scope out the project, and anticipate a 15-18 month project to conceptualize impacts.

Bradley provided detailed presentation and summary of efforts underway at NeDNR to proceed with design and building of the Perkins County Canal project. Additionally Bradley and Board discussed the benefits of the project and its' impact on the state – including the Lower Platte Basin.

- J. With no other business and no members of the public wishing to speak, Chair Hilger noted the next Annual Meeting would be scheduled in April 2024 or at the call of the chair and adjourned the meeting at 11:39 a.m.

CHEMIGATION - March 2024

TOTAL CHEMIGATION APPLICATIONS IN 2023 (701)

NEW CHEMIGATION APPLICATIONS - 1

(0) Boone (0) Butler (1) Colfax (0) Dodge (0) Madison (0) Platte (0) Saunders

RENEWALS: 84

BOONE COUNTY - 8
BUTLER COUNTY - 1
COLFAX COUNTY - 15
DODGE COUNTY - 15
MADISON COUNTY - 4
PLATTE COUNTY - 16
SAUNDERS COUNTY - 25

RENEWAL INSPECTIONS: 0

(0) Boone (0) Butler (0) Colfax (0) Dodge (0) Madison (0) Platte (0) Saunders

NEW INSPECTIONS: 0

(0) Boone (0) Butler (0) Colfax (0) Dodge (0) Madison (0) Platte (0) Saunders

NEW CANCELLATIONS: 0

(0) Boone (0) Butler (0) Colfax (0) Dodge (0) Madison (0) Platte (0) Saunders

EMERGENCY: 0



March 26, 2024

Daryl Andersen, Water Department Manager
Lower Platte North Natural Resources District
511 Commercial Park Road
Wahoo, NE 68066

RE: Request for Additional Funding Support for Nitrate Assessment and Expansion of
the Nitrate Risk Tool
Upper Shell Creek Watershed Area

Dear Daryl,

Late in 2023, the City of Newman Grove and Village of Platte Center were recipients of Source Water Protection Grants from the Nebraska Department of Environment and Energy (NDEE). The grants are to support further evaluation of the geology around the public water supply wellfields to better understand the risk of nitrate contamination (projects). The projects will rely heavily on data and findings from the Lower Platte North Natural Resource's District (LPNNRD) 3D AEM Framework and Hydrogeologic Assessment.

With LPNNRD serving as a partner, the projects will also expand the Nitrate Risk Tool created for the Richland/Schuyler and Bellwood Groundwater Management Areas to the north and throughout the Shell Creek watershed area. The Nitrate Risk Tool would be used as a resource to provide one-on-one education to producers and citizens on best management practices aimed to reduce nitrate leaching in the area. The Nitrate Risk Tool will also provide LPNNRD a deeper understand of the vulnerability of this area to nitrate leaching.

Originally, the Village of Lindsay also intended to apply for source water protection funds and all three projects would have been leveraged together. However, the Village of Lindsay opted to move in another direction. Therefore, to adequately complete the projects as originally intended, and to provide the LPNNRD with a nitrate assessment and an expanded Nitrate Risk Tool within the Upper Shell Creek Watershed, additional financial resources would be required.

In addition to expanding the Nitrate Risk Tool, the other key project elements include:

- 1) Construction of a refined groundwater flow model to delineate each communities Wellhead Protection (WHP) Area.
- 2) Establishment of a state approved WHP Plan.
- 3) Completion of detailed aquifer assessments including long-term water supply planning and well siting for each community.
- 4) Public education and outreach including presentations to high school science classes.
- 5) Creation of additional hydrogeologic cross sections.
- 6) Locating and decommissioning abandoned wells.

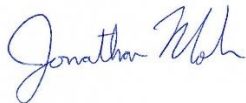
Without the contribution from NDEE that was intended to cover Lindsay's portion, there is a gap in funding estimated at \$36,500 that is necessary for LRE Water to complete the groundwater model and expanded Nitrate Risk Tool. Thus far, each community has contributed \$5,000 to the project, plus staff time. Having LPNNRD fill this gap would allow LRE Water to complete both projects as originally planned and as described above.

LRE Water will be present at the April 8th, 2024, LPNNRD's Board Meeting to answer questions and will present a detailed scope of services and agreement. LRE Water has already contracted directly with the Village of Platte Center and City of Newman Grove and would also contract directly with LPNNRD. Based upon the grant schedule, each community has until December 2026 to complete the project task. The projects have not yet official began.

On behalf of the City of Newman Grove and Village of Platte Center, we appreciate your consideration to support this effort. If you have any questions or concerns about the services offered in the proposal, please call us at 402-416-4667.

Sincerely,

LRE WATER



Jonathan Mohr
Project Manager

Reviewed by:

Daryl Andersen
March 26, 2024
Page 3 of 3

A handwritten signature in black ink, appearing to read "D. Hume". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Dave Hume, PG
VP of Midwest Operations

Date: 3/26/2024

cc: Shari Auge, City of Newman Grove, City Clerk/Treasurer
Nicolette Coble, Village of Platte Center, Clerk/Treasurer/Utilities

JDM



Daryl Andersen
 Lower Platte North NRD
 511 Commercial Park Road
 Wahoo, NE 68066-0126

March 12, 2024
 Project No: 5036LPN03
 Invoice No: 25789

Project 5036LPN03 LPNNRD GW Management Plan

Professional Services through February 25, 2024.

Task 01 Data Review & Assessment

Professional Personnel

	Hours	Rate	Amount	
Hume, David	.25	245.00	61.25	
Mohr, Jonathan	8.00	195.00	1,560.00	
Sopiwnik, Roscoe	8.50	200.00	1,700.00	
Totals	16.75		3,321.25	
Total Labor				3,321.25

Reimbursable Expenses

Mohr, Jonathan			50.25	
Total Reimbursables			50.25	50.25

Total this Task \$3,371.50

Total this Invoice \$3,371.50

TERMS: Net 30 days. A finance charge of 1.5% per month is applied to past due amounts.



PWG SUPPORT PLAN, OPTIONS, and PRICING – April 1, 2024 through March 31, 2025

Overview & Purpose

Once a solution has been moved into Production, PWG typically offers a set of options for transitioning the relationships from active development to supporting the application and providing expert advice.

This document defines the terms we use when describing these agreements and presents three plan options made up of these terms.

	Platinum	Gold	Silver	No Plan
Annual Price	\$9,000	\$5,900	\$3,600	--
Call/Email (No Charge)	✓	✓	✓	✓
Periodic Server Maintenance	Monthly	Monthly	Quarterly	--
Maximum Initial Response Time	1 hour	4 hours	6 hours	2 days
Incidents Hours Per Month	10	5	3	0
Additional Incident Price per hour	\$145	\$180	\$200	\$300
Bug Fixes Included	✓	✓	✓	Not included

Agreement Terms

Annual Price

The annual cost is defined for each tier. The support contract will begin the 1st of the month following receipt of payment.

Call / Email (No Charge)

You won't be charged for a phone call unless you specifically request that we help diagnose a production issue, and are out of incidents. Support calls and emails will be addressed during business hours, Monday through Friday, 8:30am – 4:30 pm Central Time. Support calls and emails must be addressed to the following:

PHONE: (402) 786-5111

EMAIL: support@phoenixwebgroup.com

Maximum Initial Response Time

Upon receiving a request to help diagnose a production issue, this is the maximum amount of time that will pass before we make an initial review of the situation and inform you of preliminary findings OR notify you that a full diagnosis will require additional time. If a request is made after business hours, it will be addressed the following business day within the given time frame included in the plan.

Periodic Server Maintenance

PWG will monitor server performance continuously with automated tools. Once a month, the server will be logged into, reviewed, and software updates will be installed as necessary.

Incident Hours per month; Additional Incident Price Per Hours

Incidents per month indicate the number of requests for production issues included in the plan. Requests over this limit will be priced per incident.

A support incident is defined as an isolated support/help issue and the reasonable effort needed to address it.

If a reported issue can be broken down into subordinate issues, each subordinate issue shall be considered a separate incident.

New additions, new features, or changes to the original, contracted product(s) or corrections to erroneous supplied data are NOT considered incidents.

Bug Fixes Included

An Incident that results in the discovery of a new software bug, as confirmed by PWG, will be covered by the price of the diagnostic call. This covers code-based issues only and does not include extensions of functionality, code modifications, or issues caused by incorrectly entered data.

Notes

Your current support plan expires on March 31, 2024. To renew or upgrade your plan, please return your chosen support plan at your earliest convenience.

The customer is responsible for paying applicable taxes in addition to the prices above.

Support Plan Options. Please selected one of the following plans:

(Please initial your plan choice)

_____ **Platinum**

_____ **Gold**

_____ **Silver**

_____ **No Support Plan at this time**

Signature: _____

Title: _____

Date: _____

PWG Signature: _____

Title: _____

Date: _____





Quote – Q-123209

In-Situ, Inc.
221 E. Lincoln Avenue
Fort Collins, CO 80524
U.S.A.

Tel: (800) 446-7488
Fax: (970) 498-1598
Email: sales@in-situ.com
Web: www.in-situ.com

Issued By: Tony Walker
Date: March 21, 2024
Quote Valid for 30 days

Sales Manager Stephane Mary	Customer ID C004961	Payment Terms NET 30 DAYS	Shipping Method FedEx Ground	INCO Terms	Final Destination United States Nebraska
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Quote To: Lower Platte North NRD P.O. BOX 126 Wahoo, Nebraska 68066 United States
Attn: Daryl Anderson dandersen@lpnnrd.org (402) 443-4675

Ship To: Lower Platte North NRD 511 COMMERCIAL PARK ROAD WAHOO, Nebraska 68066 United States
Comments: Please allow us 10 business days to prepare your order prior to shipping. Production Expedite option is available for an added fee. Thank you!

Equipment								
Line	Product Description	Part Number	Unit of Sale	Qty.	Unit List Price	Total List Price	NRD Disc.	Customer Total Price
1.	Water Level Meter 100 (500 ft) Polyethylene Reinforced With Kevlar	0082730	Each	1	\$1,095.00	\$1,095.00	15.00%	\$930.75
2.	Water Level Meter Medium Carry Bag for Level Tape 100M-150M (300ft - 500ft)	0036810	Each	1	\$99.00	\$99.00	15.00%	\$84.15
Subtotal:								\$1,014.90

Quote Total		
<p><i>Tax is not normally quoted due to State & local variability. If you need to have Tax included in this quotation, please contact us.</i></p> <p><i>If your organization is a tax-exempt entity, please email or fax a copy of your tax-exempt certificate to taxcerts@in-situ.com or fax to (970) 498-1598.</i></p> <p><i>Tax rates will be based on delivery address of the order.</i></p>		
	Sales Tax:	\$0.00
<p>For further information regarding the Warranty or Terms and Conditions, please refer to our website at http://in-situ.com/terms-conditions/</p> <p>All quoted product & service prices are in U.S. Dollars unless specifically noted otherwise.</p>		
	Shipping:	\$91.00
Total Amount (Excludes Optional Items):		USD \$1,105.90



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Water Leaders Academy Session 2

Kearney, NE

March 21,22

Last week I went out to Kearney for the second session of the Water Leaders Academy. We talked a lot about stakeholders/stakeholder groups, how curiosity can be a beneficial leadership trait, and how to engage these groups. Moving into Phase 4 and going through the Ground Water Management Plan, I can see myself using some of these skills to hopefully receive better feedback from the stakeholders. At the LPNNRD we have the unique opportunity to work one on one with producers and landowners in the area and leveraging the knowledge that these folks have is critical to coming up with a solid plan. We also received our group project assignments, my group is working on Safe Drinking Water Outreach Materials so it should be pretty handy in bringing right back to work. No field trip to see the cranes this year as they are renovating Rowe Sanctuary, but it should be really nice next year! Our next session is in Omaha, and we will be touring the waste water treatment facility and other water infrastructure in the area.