

### LOWER PLATTE SOUTH

### natural resources district

3125 Portia Street | P.O. Box 83581 • Lincoln, Nebraska 68501-3581 P: 402.476.2729 • F: 402.476.6454 | www.lpsnrd.org

### Memorandum

Date:

January 15, 2021

To:

**Urban Subcommittee** 

From:

Jared Nelson, District Engineer

Subject:

Urban Subcommittee Meeting Minutes – January 2021

The Urban Subcommittee met virtually at 5:30pm, on Tuesday, January 12, 2021. Subcommittee members participating included Tom Green, Lisa Lewis, Anthony Schutz, Ray Stevens, Ken Vogel, and John Yoakum. Others participating included NRD staff Paul Zillig, Dave Potter, Mike Murren, Al Langdale, Tracy Zayac and Jared Nelson; Tim Dean with Intuition & Logic; Luke Dutcher with Miller & Associates; Charles Williams and Joe Shandera with Edenton North HOA; and Nadine Link and Jack Tarr with the Village of Malcom. Director Green called the meeting to order at 5:33pm, gave a brief welcome, and then led with a round of introductions before reviewing the agenda. There were five items the Subcommittee took action on, and a few reports as described below.

(a.) Consideration of Bids Consideration of Bids for the Beal Slough Stream Stabilization Project – 70th to Pine Lake – Murren discussed the Beal Slough Stream Stability Project - 70<sup>th</sup> St to Pine Lake Blvd project, designed by Intuition & Logic (I&L), with an Engineer's Opinion of Cost of \$560,000. He described the project was advertised for construction on December 16, 2020 to receive bid proposals; the bid opening was Wednesday, January 6, 2021; the District received five bids; and High Plains Enterprises was the low bidder with a bid of \$399,082.

Murren then referred to the attached letter from Mark Meyer and Tim Dean with I&L, who reviewed the bids and recommends award of the construction project to High Plains. Yoakum asked if High Plains has worked with the District before, and staff responded that they had not worked directly for the District, but did construct an Ashland Community Assistance Program project in recent years. Murren also answered questions from the subcommittee regarding landrights and construction duration.

It was moved by Stevens, seconded by Yoakum, and unanimously approved by the Subcommittee to recommend that the Board of Directors approve the Bid from High Plains Enterprises in the amount of \$399,082 for the Beal Slough Stream Stabilization Project – 70th to Pine Lake.

**(b.)** Consideration of Professional Services Agreement for construction services for the Beal Slough Stream Stabilization Project – 70th to Pine Lake – Murren described that the initial scope between the NRD and I&L was for design, and did not include construction phase services. He reviewed the proposal the District received from Intuition and Logic to provide additional professional services, related to the

construction phase of the Beal Slough Stabilization Project – 70th to Pine Lake. Murren referred to the attached Supplemental Agreement No. 1 for additional construction services to oversee construction. Murren responded to Stevens' question that the existing contract with I&L is for \$98,700.

It was moved by Stevens, seconded by Vogel, and unanimously approved by the Subcommittee to recommend that the Board of Directors approve Amendment #1 to the Professional Services Agreement between Intuition & Logic Engineering and LPSNRD in the amount of \$37,507 for construction services for the Beal Slough Stream Stabilization Project – 70th to Pine Lake.

**(c.)** Consideration of a Community Assistance Program Request - Village of Malcolm, Elk Creek Bank Stabilization — Next, Zayac described a Community Assistance Program (CAP) request has come in from the Village of Malcolm, and referred to her attached memo. She discussed how Elk Creek runs northeast near the Malcom municipal ballfield where the streambank is experiencing erosion, and the Village wants to stabilize it so they do not loose the ballfield.

Zayac discussed that the CAP application is for one project phase, which includes design and construction. She explained how Nadine Link (Village Clerk) has already submitted for and received a US Army Corps of Engineers (USACE) 404 Permit, so the 404 Permit is not part of the application. Link added that they currently do not have any other ballfields, and the eroded bank is currently within ten feet from the left field bank of lights.

It was moved by Schutz, seconded by Stevens, and unanimously approved by the Subcommittee to recommend that the Board of Directors approve the Community Assistance Program application from the Village of Malcolm, for the Elk Creek Bank Stabilization Project, in an amount of 50% of the estimated cost, not to exceed \$24,118 of NRD funds.

(d.) Consideration of a Community Assistance Program Request - Edenton North HOA, Pond Bank Stabilization — Next, Zayac described a second CAP request from Edenton North HOA, where residents and the HOA have concerns regarding bank sluffing along the edge of their two ponds, and with erosion and undermining of the principal spillway pipes through the embankment of the south pond. She explained that the request is for cost-share assistance for construction.

Zayac described the HOA's construction proposal is to place rip-rap along the entirety of the ponds' edge, as well as near the outlet of the embankment pipe. Joe Shandera (HOA commons area manager) and Charles Williams (HOA president) also re-iterated the concerns with erosion and with the culvert pipes through the embankment of the pond. Williams said there is a concern of the last segment of pipe shifting and they want to address the issues sooner than later since it's a dam.

It was moved by Vogel, seconded by Stevens, and unanimously approved by the Subcommittee to recommend that the Board of Directors approve the Community Assistance Program application from the Edenton North HOA, for the Pond Bank Stabilization Project, in an amount of 50% of the estimated cost, not to exceed \$19,470 of NRD funds.

(e.) Consideration of a Rain-Ready Landscapes Program Request - Heun Rain Garden – Next, Zayac gave a brief overview of the newly minted Rain-Ready Landscapes Program (RRLP). She described the

application from Dan and Rebecca Heun for the Heun Rain Garden Project, which they intend to have built at a cost of \$12,300, and are requesting \$2,000 from the District. Zayac referred to her attached memo and discussed how the Heuns are experiencing a variety of drainage issues, some of which may be have resulted when the neighborhood was developed. She explained that the rain garden is the first of several planned features the Heuns intend to implement, and they are working with Dee-sign Landscaping who has experience and is certified in green infrastructure solutions. Zayac also described some of the benefits of a rain garden and staff had reviewed plans, and it meets intended goals of the RRL program.

Lewis inquired of this max cost-share amount, and Zayac explained that the max available through RRLP is \$2,000 of District funds per year, but there is nothing that prevents them applying in the next fiscal year. Vogel asked Zayac if she visited the site, and she had and explained some other potential solutions the Heuns discussed with her such as a drainage swale. The subcommittee further discussed the application and conditions on site. They discussed plant selection, soils, and drainage issues with staff and had good questions on some of the specifics.

It was moved by Yoakum, seconded by Stevens, and unanimously approved by the Subcommittee to recommend that the Board of Directors approve the Rain-Ready Landscapes Program cost-share request from Dan and Rebecca Heun, for the Heun Rain Garden Project, at a cost-share amount of 50% of the total cost, not to exceed \$2,000 of NRD funds.

**(f.) Reports.** – Finally, a few reports were giving to the Subcommittee by staff. First, Nelson gave an update of the Oak Creek Weir project at 14<sup>th</sup> street, which is currently in construction, with concrete repairs to the weir already complete. Then, Langdale gave an update of the USACE's Salt Creek Levee USACE PL84-99 Repair Project, and that the project was about 95% complete. Last, Zillig gave an update of the Deadmans Run Flood Reduction Project and described various efforts with the USACE currently in design of Phase 1.

There being no further business the meeting adjourned at approximately 6:45 pm.

JN/jn	
Enclosures:	



### BEAL SLOUGH CHANNEL STABILIZATION 70TH TO PINE LAKE ROAD

LINCOLN, NEBRASKA

PROJECT TEAM

OWNER:



Lower Platte South Natural Resources District 3125 Portia St. Lincoln, NE 68521 (402) 476-2729

ENGINEER:



Intuition & Logic Engineering, Inc. 16253 Swingley Ridge Rd., Ste 100 St. Louis, MO 63017 (636) 777-3000 Fax (314) 432-5812

#### SURVEYOR/ GEOTECHNICAL ENGINEER



Anthony Dirks Alfred Benesch & Co. 825 M Street, Suite 100 Lincoln, Nebraska 68508 (402) 493-4800



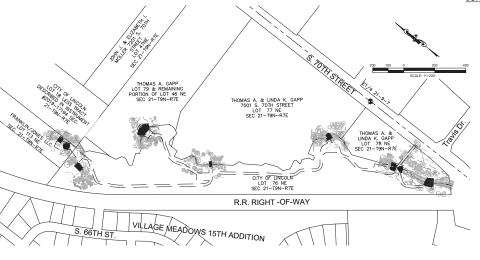
LOCATION MAP

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\* PROJECT LOCATION

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SHEET NO. DESCRIPTION COVER 2 NOTES AND ABBREVIATIONS QUANTITIES

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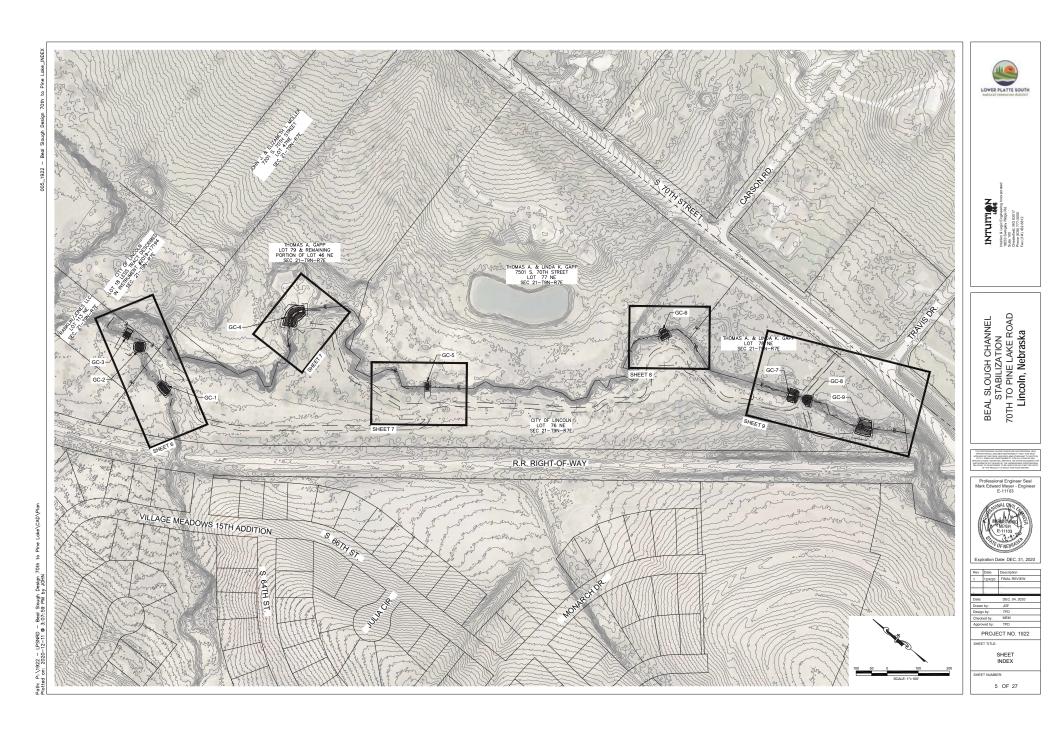
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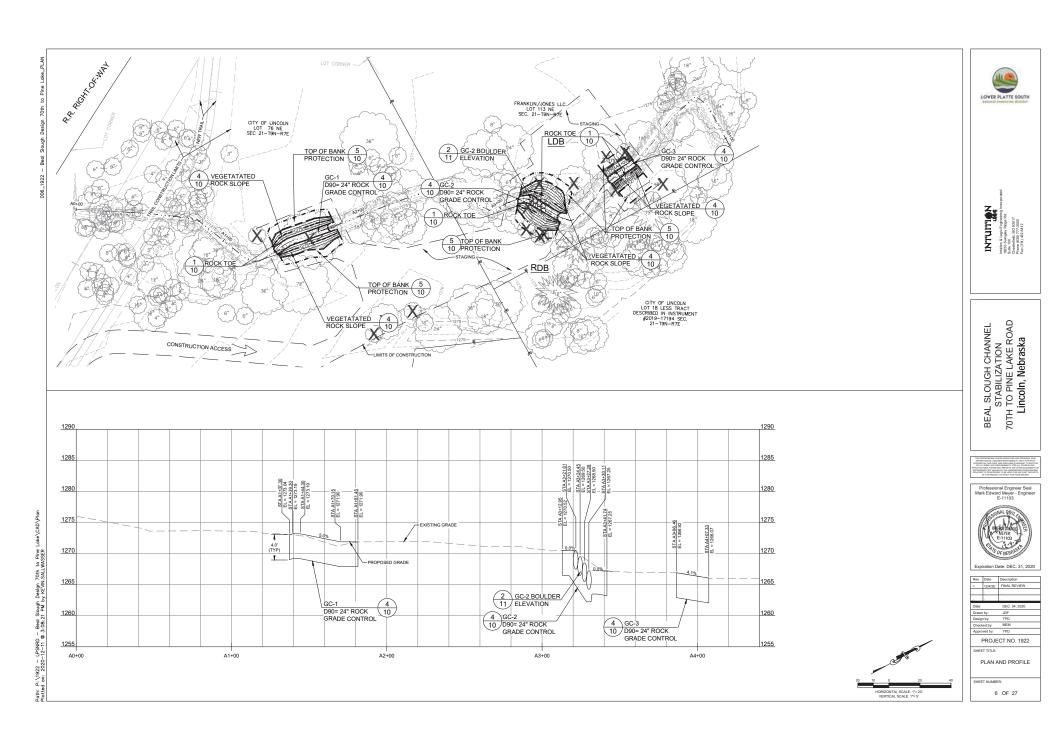
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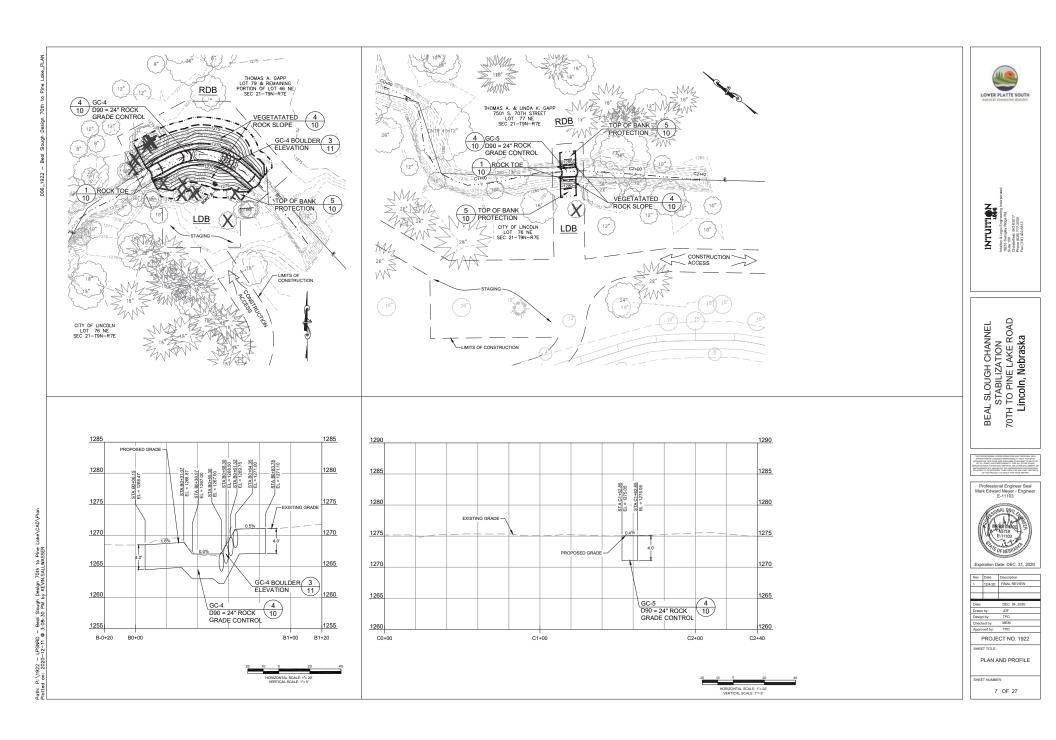


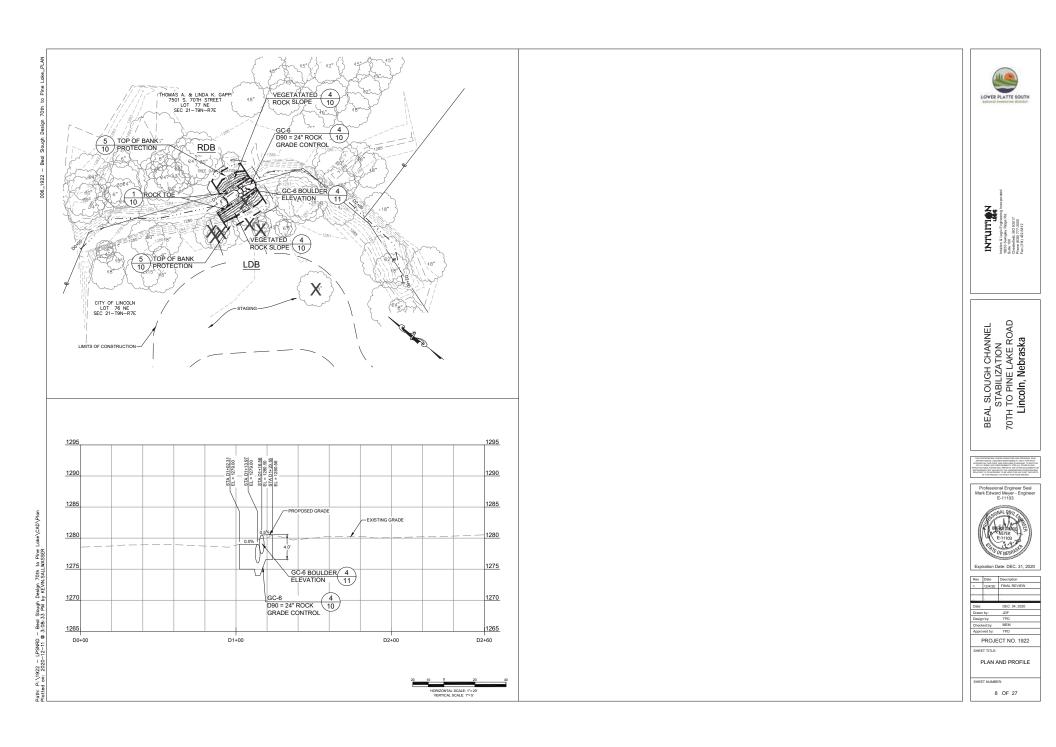


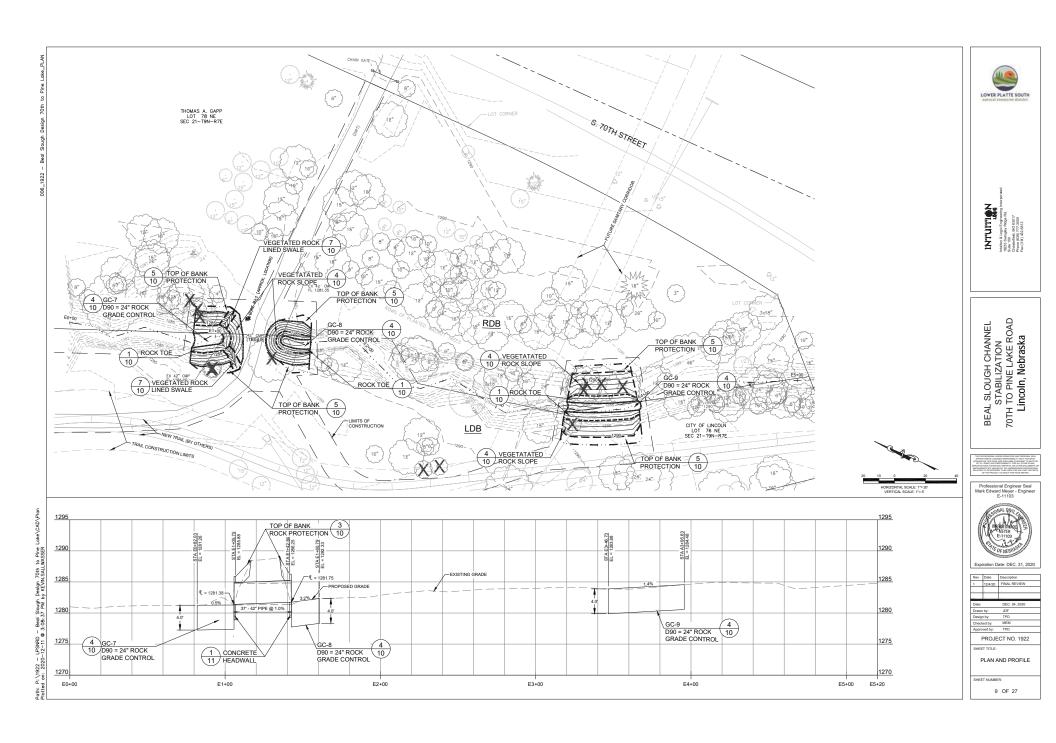
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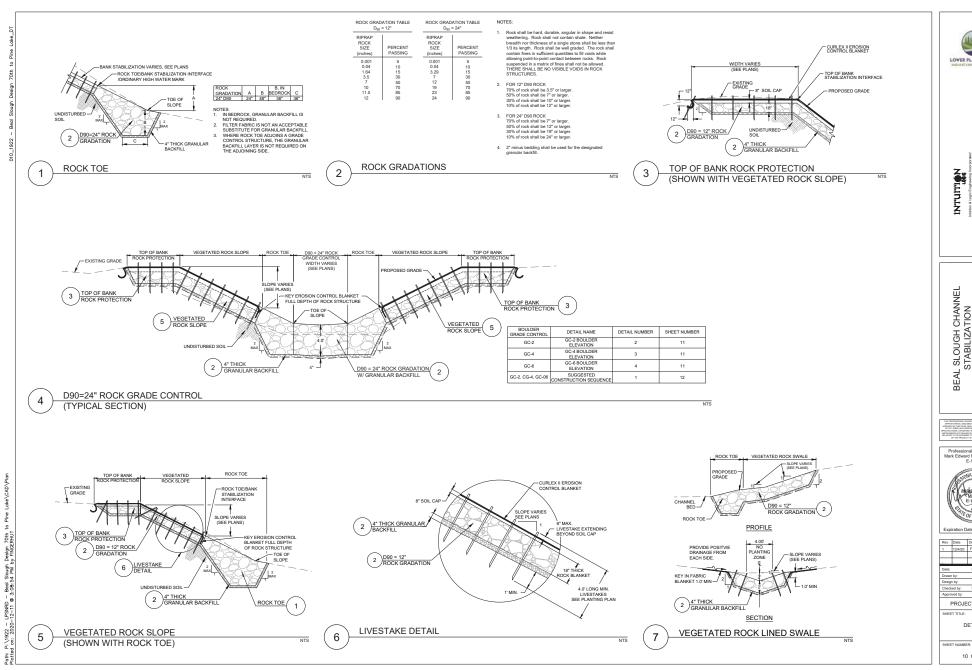
















BEAL SLOUGH CHANNEL STABILIZATION 70TH TO PINE LAKE ROAD Lincoln, Nebraska



v Date		Description		
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pro	ved by:	TPD		
-	DRO IE	CT NO. 1022		

DETAILS

10 OF 27



16253 Swingley Ridge Rd, Suite 100 St. Louis, MO 63017 636-777-3000 www.intuitionandlogic.com



January 8, 2021

Mike Murren Lower Platte South Natural Resources District 3125 Portia Street P.O. Box 83581 Lincoln, NE 68521

Re: Beal Slough 70<sup>th</sup> to Pine Lake Construction Bid Review and Recommendation

Dear Mr. Murren:

Thank you for the opportunity to review the Beal Slough 70<sup>th</sup> to Pine Lake bid tab and provide the review of findings and bid recommendation. The project bids were received on January 6, 2021 and the respondent bids were entered into an excel worksheet to verify extensions and subtotals and to identify apparent irregularities. One error was discovered on Gana Trucking's bid: the error is Gana Trucking's subtotal was \$453,498.64 and the actual project total was \$511,098.63.

We contacted the apparent low bidder, High Plains Enterprises, on January 7, 2021 and talked with Micah Messick. During our conversation, Mr. Messick expressed his confidence in his bidding for the project. He also informed us of his plan to use limestone boulders for the grade control structures but should the limestone not meet the minimum specifications High Plains Enterprises will obtain quartzite to be used on the project. Mr. Messick provided a commitment letter supporting this assertion, please see attached. Based on the scope of the project and qualifications of the contractor, we recommend award to the apparent lowest bidder, High Plains Enterprises, in the amount of \$399,081.50.

If you have any questions or would like additional information, please do not hesitate to contact us at (636) 777-3000, or by email at <a href="mark@ilincworld.com">mark@ilincworld.com</a> or <a href="mark@ilincworld.com">tim@ilincworld.com</a>.

Best regards,

Mark Meyer, PE, CFM

President

Tim Dean, PE, CFM Project Manager

Encl: High Plains Enterprises Commitment Letter



18570 SW 29th Street Martell, NE 68404 Office: 402-421-6316 Fax: 402-421-1386

# Lower Platte South Natural Resources District - Beal Slough S. 70th to Pine Lake Project

For the referenced above project High Plains Enterprises is proposing to use a bended Type C and Type B Limestone material for the D90 = 24" and D90 = 12" required material to construct the Rock Grade Control, Rock Slope, Top of Bank Rock Protection, Rock Toe Protection, and Rock Swale. Prospective suppliers for that material will include (in order of supplier): 1. Kerford Quarry, 2. Martin Marietta Quarry, and 3. Spencer Quarry. Currently as of end the of day Friday, January 8th, 2021 we at HPE are awaiting letters from those stated Quarries. Their letters will state that their product will meet and satisfy the requirements set forth in the plan and the specifications (Sp - 1 - Rock Criteria).

If the proposed Quarries for limestone suppliers, stated above, are deemed unacceptable and their product does not meet the requirements, High Plains Enterprises will use LG Everest as the supplier and import Quartzite material to construct the structures required for the project.

For the 48" Boulder material to construct the Step Grade Control, that product will be supplied by either Spencer Quarries or Eagle Nursery (who will be completing the live pole planting). Currently waiting on that product information as well and will be able to supply that information as soon as it becomes available.

Signed:

**Printed:** 

Date:

X / July/ Jewill

X Micah Messick

X 1/8/2021

Project Manager/Estimator

Cell:(402)-405-1828

### Beal Slough 70<sup>th</sup> to Pine Lake Channel Stabilization

Contractor	Point of Contact	Phone Number	Bid Price
Gana Trucking	Jake White foot		453,498,64
High Plams Enterpris HR Bookstrom	Micah Messick		\$399,081,50
HR Bookstrom	Derek Bookstry	1402-464-434	522,424,00
MTZ Construction	Mike McCullyh		\$761,136,50
MTZ Constrution Vost Excavating	Todd Yost		597,648,00
<i>y</i>			
	7+		
Apparent Low Bidder			
High Plains Exterpri	se Mich		399,081,50
	Messick		

Date: 01/06/21

#### **SUPPLEMENTAL AGREEMENT NO. 1**

## BETWEEN INTUITION & LOGIC ENGINEERING, INC. AND LOWER PLATTE SOUTH NATURAL RESOURCE DISTRICT FOR PROFESSIONAL SERVICES

The Agreement between Intuition & Logic Engineering, Inc. (I&L) and Lower Platte South Natural Resource District (LPSNRD) For Beal Slough Channel Stabilization 70<sup>th</sup> to Pine Lake Road Project Professional Services shall be amended as follows:

#### Witnesseth:

Whereas, on November 20, 2019, the parties hereto entered into a Professional Services Contract to provide professional services for the Beal Slough Channel Stabilization 70<sup>th</sup> to Pine Lake Road Project, hereinafter "PROJECT". The total contract value was \$98,700.00.

Whereas, LPSNRD desires to have additional work performed by I&L to provide services in accordance with Supplemental Agreement No. 1 Scope and Fee as shown in Attachment A. This requires a change in the scope of services of the aforesaid Professional Services Contract in an amount not to exceed THIRTY SEVEN THOUSAND FIVE HUNDRED AND SIX DOLLARS AND TWENTY CENTS (\$37,506.20).

Now, Therefore, in consideration of the payment and mutual agreements of the parties contained herein, the parties do mutually agree as follows:

- I&L shall perform the services described in the attached Scope of Services (Attachment A) in addition to the Scope of Services described in Attachment A of the Professional Services Contract, and LPSNRD shall pay I&L an amount not to exceed \$37,506.20 for the additional services.
- 2. I&L will provide the professional services described herein on a Time and Materials, Not To Exceed method of payment based on the fee schedule below.

Construction Services	\$ 37,506.20
	\$ 37,506.20

3. All other provisions of the Professional Services Contract between the parties shall remain unchanged. The contract total is changed from \$98,700.00 to \$136,206.20.

### Amendment No. 1 Intuition & Logic / Lower Platte South Natural Resource District Agreement

Intuition & Logic (I&L)
Nack & Neger
Signature
Name: Mark E. Meyer
Title: President
1/8/2021
Date
43 1873553
Fed. Tax I.D. No.
Lower Platte South Natural Resource District (LPSNRD
Signature
Name: Paul Zillig Title: General Manager
Title. General Manager
Date
47 05842969
Fed. Tax I.D. No.

## Amendment No. 1 Intuition & Logic / Lower Platte South Natural Resource District Agreement Attachment A:

### Beal Slough 70<sup>th</sup> to Pine Lake Construction Services

### 1.0 Pre-construction meeting

I&L will attend a virtual pre-construction meeting with the selected contractor to review the plans and construction process. I&L will prepare a draft meeting agenda and submit it to the Lower Platte South Natural Resources District (LPSNRD) in electronic format via email.

- 2.0 On-Site Construction Observation
  - I&L will be on site an average of three (3) days per week during eight (8) weeks of active construction. I&L will spot check slopes, layout geometry, excavation depths, planting and other activities against the project construction plans to check that the contractor is achieving the design lines and grades.
- 3.0 Construction Observation Memorandums I&L will summarize each construction observation site visit in a memorandum. The memo will contain observations, photos, conversation summaries and action items. The memos will be in PDF format and will be emailed to the LPSNRD and the Contractor within one calendar week of the observation date. I&L will track how each construction issue is addressed.
- 4.0 Coordination with Contractor I&L will coordinate with the contractor to discuss observations and contractor requests for information. All coordination will be documented via summary emailed submitted to the LPSNRD and contractor.
- 5.0 Invoice Review and Recommendations I&L will receive contractor invoices from the LPSNRD. I&L will review invoice amounts and quantities and compare them to I&L observed progress and associated observed percent complete. I&L will recommend modifications if the invoice amounts are disproportionate to observed progress or quantities. Invoice review comments and recommendations will be submitted to the LPSNRD via email.
- 6.0 Final Walk Through and Punch List The Contractor will request the final walk through and punch list once they have reached substantial completion. Substantial completion means all items are constructed and restoration is complete. Upon request by the LPSNRD, I&L will schedule the final walk through with the LPSNRD and Contractor. During the final walk through, I&L will compile a punch list of items that were identified and discussed during the walk through. The punch list will be in PDF format and emailed to the LPSNRD and Contractor.



# LOWER PLATTE SOUTH natural resources district

3125 Portia Street | P.O. Box 83581 • Lincoln, Nebraska 68501-3581 P: 402.476.2729 • F: 402.476.6454 | www.lpsnrd.org

### Memorandum

**Date:** January 6, 2021

To: Urban Subcommittee

From: Tracy Zayac, Stormwater/Watershed Specialist

**Subject:** CAP Projects for consideration at January 12, 2021, meeting

1. CAP.2020.002 Village of Malcolm Elk Creek bank stabilization (design & construction): The Village of Malcolm has requested Community Assistance Program cost-share for the design and construction of bank stabilization on the southwest bank of Elk Creek, adjacent to the Village's municipal park ballfields. The creek bank is eroding severely and coming close to undermining the safety and usability of the ballfields. Design and construction oversight fees provided by Miller & Associates, the Village's engineer, total \$6,200; construction fees from Gana Trucking total \$42,036, for a total project cost of \$48,236. The Village has requested 50% cost share for the design and construction together in a single application, for a total request of \$24,118.

2. CAP.2020.009 Edenton North HOA pond bank and culvert stabilization (construction): The Edenton North HOA has been experiencing increased erosion around the banks of the two stormwater retention ponds in the subdivision. In addition, the culverts through the south pond dam have also experienced erosion, which will eventually lead to culvert failure, if not addressed. The HOA plans to install riprap around the edges of both ponds to prevent further erosion and repair erosion at the culverts. The HOA requests a cost-share amount of \$19,470, or 50% of the total project cost of \$38,940.

Enc.: Malcolm bank stabilization request information

Edenton North pond request information

The Lower Platte South Natural Resources District shall manage the land and the water resources of the district for the common good of all people





### Village of Malcolm

137 East 2<sup>nd</sup> Street PO Box 228 Malcolm, Nebraska 68402 (402) 796-2250

November 18, 2020

Lower Platte South NRD 3125 Portia Street PO Box 83581 Lincoln, NE 68501-3581

Tracy,

The Village of Malcolm is having erosion problems along Elk Creek which runs behind the existing ball field in Malcolm, NE. One of the areas is within 10-12 feet from the pole holding the left field bank of lights.

The Village has received an approved 404 permit from U.S. Army Corps of Engineers, Permit Number 2020-01241-WEH dated October 21, 2020. A copy is attached.

This letter is a request for cost sharing through the Community Assistance Program for engineering cost provided by Miller and Associates to design a full set of construction drawings for the erosion project.

Also, would like to request cost sharing through the Community Assistance Program for the actual work to be completed. I have attached pictures of the site and a copy of the bid from Gana Trucking and Excavating, Inc. describing what they suggest on how to fix the erosion problem.

If you have any questions, please feel free to call me at (402) 796-2250 or (402) 580-3959.

Thank you,

Nadine Link Village Clerk/Treasurer 
 From:
 Nadine Link

 To:
 Tracy Zayac

**Subject:** Fw: Malcolm - Cost Share

**Date:** Wednesday, December 16, 2020 10:08:32 AM

Attachments: image003.png

image005.png image006.png image007.png

### See email below

Nadine Link, Village Clerk Village of Malcolm 137 E 2nd Street P.O. Box 228 Malcolm, NE 68402 (402) 796-2250 - Office (402) 580-3959 - Cell (402) 796-2288 - Fax

From: Luke Dutcher - M&A < ldutcher@miller-engineers.com>

**Sent:** Monday, December 14, 2020 2:50 PM **To:** Nadine Link <malcolmne@msn.com>

Subject: RE: Malcolm - Cost Share

Hi Nadine,

My apologies for the delay in getting back to you on the NRD's question. Since permitting is complete, our fee would be just below the lower end of the cost range I gave you. We would propose using \$6,200 for our fee to survey and design the improvements. Whenever you would be ready to move forward with that work, let me know and I'll get you that fee in an agreement for the Village's approval.

Thanks, Luke

Lucas J. Dutcher, PE, CFM



www.miller-engineers.com

Idutcher@miller-engineers.com

From: Nadine Link <malcolmne@msn.com>
Sent: Monday, November 30, 2020 11:38 AM

To: Luke Dutcher - M&A < ldutcher@miller-engineers.com>

Subject: Fw: Malcolm - Cost Share

Luke,

Could you answer Tracy's question below? The Urban Sub Committee meeting is coming up on or around December 7th and trying to get her all the information she will need to see if the Village can get cost sharing on this erosion problem.

Thank you,

Nadine Link, Village Clerk Village of Malcolm 137 E 2nd Street P.O. Box 228 Malcolm, NE 68402 (402) 796-2250 - Office (402) 580-3959 - Cell (402) 796-2288 - Fax

From: Tracy Zayac < tzayac@lpsnrd.org>
Sent: Monday, November 30, 2020 7:27 AM
To: Nadine Link < malcolmne@msn.com>
Subject: RE: Malcolm - Cost Share

Good morning,

Since you already have the 404 permit, they shouldn't be charging you to obtain one. What is their fee without the permitting component?

Tracy Zayac
Stormwater/Watershed Specialist
Lower Platte South Natural Resources District
3125 Portia St
Lincoln, NE 68521
Office phone (402) 476-2729
Email tzayac@lpsnrd.org
Website https://www.lpsnrd.org/

From: Nadine Link [mailto:malcolmne@msn.com]
Sent: Wednesday, November 25, 2020 1:45 PM

**To:** Tracy Zayac < tzayac@lpsnrd.org >

Subject: Malcolm - Cost Share

Tracy,

Below is an email from Luke Dutcher with Miller & Associates, in paragraph two he estimated the fee for survey, design and permitting would be \$7,000 - \$10,000.

Please let me know if you need anything else.

Happy Thanksgiving!!

Nadine Link, Village Clerk Village of Malcolm 137 E 2nd Street P.O. Box 228 Malcolm, NE 68402 (402) 796-2250 - Office (402) 580-3959 - Cell (402) 796-2288 - Fax

**From:** Luke Dutcher - M&A < <u>ldutcher@miller-engineers.com</u>>

**Sent:** Tuesday, August 4, 2020 11:08 AM **To:** Nadine Link <<u>malcolmne@msn.com</u>>

**Cc:** Reed Miller - M&A < <u>rmiller@miller-engineers.com</u>> **Subject:** Bank Protection - Community Assistance Program

Hi Nadine,

I was able to get a lot of information from Tracy Zayac at LPSNRD regarding the Community Assistance Program for your bank protection project. LPSNRD requires a few things for this project:

- 1. The project must be designed by an Engineer and a full set of construction drawings need to be put together by an Engineer.
- 2. The project must have some construction oversight by an Engineer to confirm the project is constructed according to the above plans.
- 3. The project would require a 404 permit from the US Corps of Engineers.

All of the above are required by LPSNRD in order to be granted cost-share dollars. The typical way that these project go through LPRNRD's Community Assistance Program is that the Village would make an initial request to LPSNRD for cost share for the design and permitting portion of the project. We could give you an engineering proposal to do the survey, design, and permitting work and then you could provide that proposal to LPSNRD with your application to request a 50% cost-share for that work. I would estimate our fee for survey, design, and permitting would be \$7,000-\$10,000.

Then after the design is finished and the Corps 404 permit is in-hand, you could go back to LPSNRD with a second request for cost-share on the construction cost and engineering oversight portion of the work. LPSNRD doesn't like to approve cost-share for construction if a 404 permit isn't in-place. It typically takes 60-90 days after submission to the Corps of Engineers to obtain a 404 permit. The following is an example of what the schedule could look like:

Aug 2020 M&A provides Village an Engineering Proposal

Sep 2020 Village requests cost share from LPSNRD for survey, design and

permitting engineering.

Oct-Nov 2020 M&A surveys and designs project and submits to Corps for 404

permit

Dec 2020 – Feb 2021 Corps reviews 404 application and approves permit

Mar 2021 Village requests cost share from LPSNRD for Construction cost and

engineering oversight.

Apr 2021 Village bids project May 2021 – ??? Construction Phase

My understanding is that the cost share program works as a reimbursement to the Village. So for both the Engineering and Construction the Village would pay the entirety of the invoices, and then the Village would need to submit the invoices to LPSNRD for 50% reimbursement.

Please share this information with your board, and let us know how you'd like to proceed. If you decide to move forward with the above plan, you would need to withdraw the application you currently have pending with LPSNRD and then would follow the above steps. If this is a project you're wanting to get done this fall then you might be better off moving forward on your own with the Contractor you've been working with, and forgo the Community Assistance Program cost sharing if you can afford to do the project without their help.





ldutcher@miller-engineers.com

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Edenton North Homeowners Association %Joe Shandera 7437 Laura Lynn Ct. Lincoln, NE 68516

Lower Platte South Natural Resources District %Tracey Zayac PO Box 83581 3125 Portia Street Lincoln, NE 68521

December 30, 2020

### PROPOSAL FOR COMMUNITY ASSISTANCE PROGRAM

Edenton North Homeowners Association is located in SE Lincoln and consists of 233 residential housing units. Considerable water drainage flows from the streets through our Commons eventually ending in Antelope Creek. Located within the Commons are two stormwater retention ponds and associated drainage inlets and outlets. Lincoln Federal was the original developer and turned over the area to the Homeowners Association in 2004. Since that time, the Association has spent considerable monies to maintain and improve these ponds and drainage areas. Gana Trucking and Excavating has been involved in the majority of these projects.

In September of this year, several neighbors living around the stormwater retention ponds noticed increased erosion of the banks and brought this to the attention of the Edenton North Commons Committee. Contact was made with several companies to provide us with their suggestions for remediating the erosion and an estimate to complete the work. At the suggestion of one of the committee members, Lower Platte South Natural Resources District was contacted to provide their expertise. Tracey Zayac met with Joe Shandera on November 25 and discussed her appraisal of the situation as well as outlining the possibility of this work qualifying for the Community Assistance Program. Along with the erosion around the banks, erosion was noted around various inlets and outlets. A double culvert structure through a dam allows overflow water from the South Pond to the wetland area below. This water passes under Shirl Drive, through the commons and into the North Pond. Serious undermining of these outlet culverts was also identified which could lead to catastrophic failure of this structure.

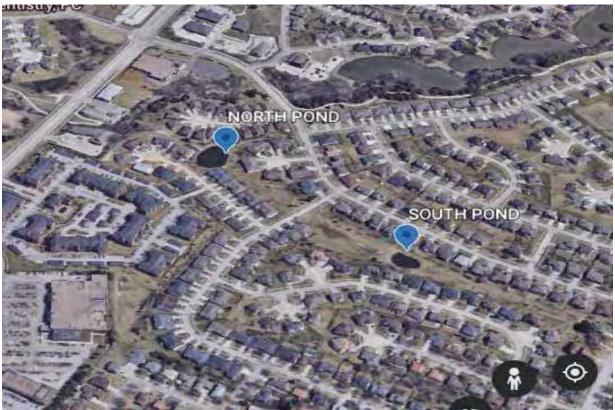
We have received estimates from Gana Trucking and Excavating and HR Bookstrom Construction. Joe Shandera met with Jake Whitefoot from Gana on December 1st and with Derek Bookstrom on December 14<sup>th</sup> to discuss their recommendations. The bid from Gana totaled \$60,700.80. The bid from HR Bookstrom totaled \$36,440.00. HR Bookstrom also estimated site preparation and overseeding of disturbed areas at approximately \$2500.00. The amount requested from the NRD Community Assistance Program is 50% of the approved bids.

The Board of Edenton North Homeowners Association appreciates your positive consideration of this request. Please contact me if you need further information or have any questions or concerns.

Sincerely,

Joe Shandera
Edenton North Commons Committee
<a href="mailto:jlshandera@gmail.com">jlshandera@gmail.com</a>
402-304-8695

### MAP SHOWING NORTH AND SOUTH PONDS IN EDENTON NORTH COMMONS



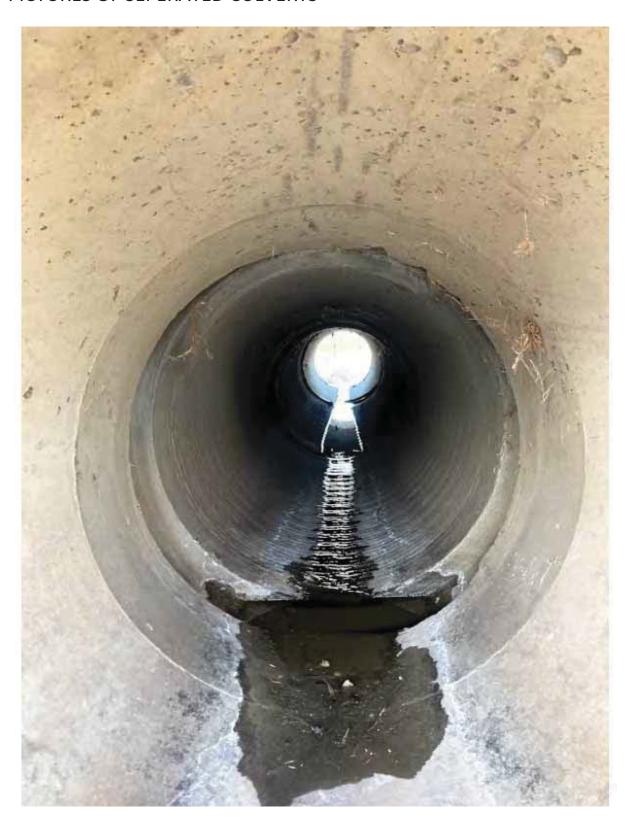
NORTH POND WITH INLETS AND OUTLETS – Note how close the banks are encroaching towards existing homes and structures.





SOUTH POND SHOWING INLETS AND LOCATION OF OUTLETS WITH EROSION AND UNDERMINING

### PICTURES OF SEPERATED CULVERTS

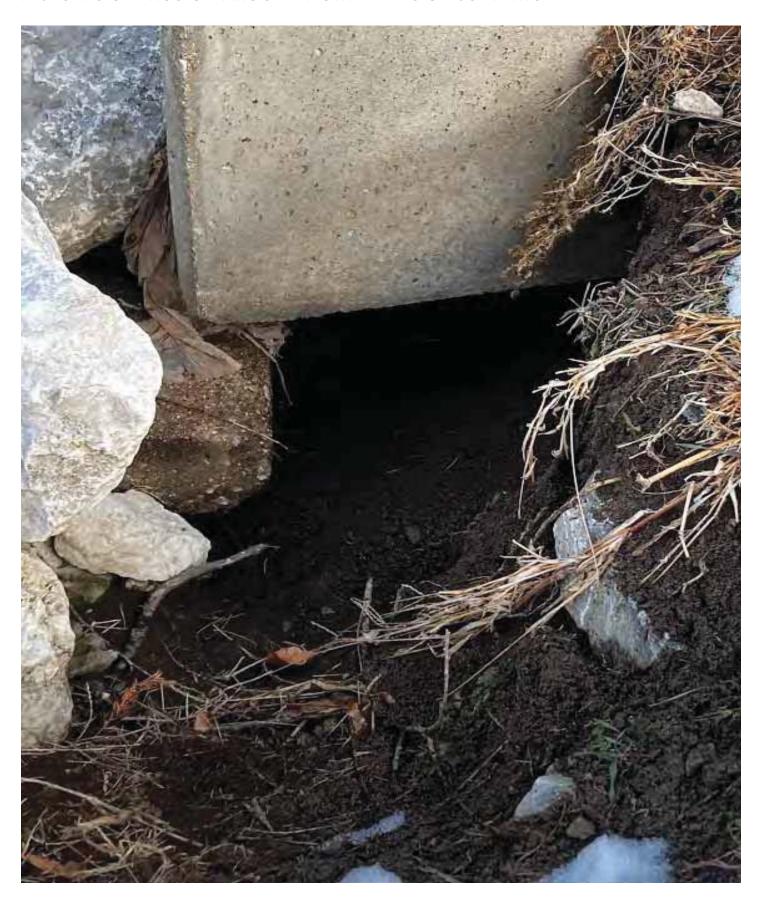


RIGHT CULVERT LOOKING NORTH



LEFT CULVERT LOOKING NORTH

### PICTURES OF EROSION AROUND NORTH ENDS OF CULVERTS



EROSION UNDER LEFT CULVERT AT NORTH END



**EROSION BETWEEN CULVERTS AT NORTH END** 



EROSION UNDER RIGHT CULVERT AT NORTH END

# BREAKDOWN OF REQUEST FOR LOWER PLATTE NATURAL RESOURCE DISTRICT COMMUNITY ASSISTANCE GRANT

HR BOOKSTROM CONSTRUCTION ESTIMATE \$36,440

(see attached)

HR BOOKSTROM CONSTRUCTION ESTIMATE FOR

REPAIR OF COMMONS/RESEEDING \$2,500

TOTAL \$38,940

COMMUNITY ASSISTANCE GRANT REQUEST \$19,470

The EDENTON NORTH HOMEOWNERS ASSOCIATION appreciates your positive consideration.



### H.R. Bookstrom Construction Inc.

### 6401 North 60th • Lincoln, Nebraska 68507 • (402) 464-4342 • FAX (402) 464-4846

PROPOSAL

December 30, 2020

To: Edenton North Neighborhood Association

Joe Shandera 7437 Laura Lynn Ct. Lincoln, NE 68516 402-304-8695

Project:

Install Type B Riprap around both Detention Ponds (850 LF X 3 FT X 1.5 Ft Thick) in Edendenton

North, Repair Scour at FES's and Low Flow Liner

Location:

Varies within Edenton North Neighborhood

Engineer:

(None)

We propose to furnish the following described material and labor at

prices, terms and conditions as noted below:

Item	Description	Quantity	Unit	Unit Price	Total
1.	Mobilization	1	Is	8,500.00	8,500.00
2 .	NDOT Type B Riprap with fabric	156	tons	110.00	17,160.00
3.	Repair Scour at Flared End Section	4	ea	1,000.00	4,000.00
4 .	Repair Scour at Low Flow Liner	1	ea	1,000.00	1,000.00
5 .	Earthwork Measured in embankment	20	су	75.00	1,500.00
6.	Flowable Fill (If necessary)	6	cy	500.00	3,000.00
7.	Rem & Replace 4-inch Sidewalk	128	sf	10.00	1,280.00
20		0	ea	0.00	0.00
					\$36,440.00
C.O	Seeding Type B (Tall Fescue)	0.5	ac	5,000.00	2,500.00

Terms: Estimates for payment to be submitted monthly for 100% of the value of work completed; due and payable 30 days from date of invoice. Past due accounts draw interest at 1.5% per month.

Final payment to be based on final "as built" measurements, unless otherwise stated.

### The following items have not been included unless bid item:

- 1. Performance and maintenance bond (add 1 1/2% if required)
- 2. Penalties of any kind
- 3. Retainage of any kind
- 4. Dewatering other than sumping
- 5. Disposal of contaminated soils
- 6. Staking or engineering services
- 7. Seed or Sod
- 8. Testing services (tv sewer, soil, concrete, etc.)
- 9. Any fire hydrant extensions unless a bid item

Life's A Ditch . . . And We Dig It!



# H.R. Bookstrom Construction Inc.

#### 6401 North 60th • Lincoln, Nebraska 68507 • (402) 464-4342 • FAX (402) 464-4846

- 10. Concrete removals or replacements unless bid item
- 11. Plumbing permits or plumber charges
- 12. Extra dirt haul off (spread out or stockpiled on site)
- 13. SWPPP reports, silt fence or any storm water protection items unless a bid item
- 14. Concrete pavement or sidewalk removal or replacement unless a bid item
- 15. Railroad Protective insurance or Rail Road Flagman
- 16. Television of Sanitary Sewer
- 17. Potholing unless bid item
- 18. Staging area, construction entrance, concrete washout
- 19. Any Fire Marshall: permits, inspections and coordination to be done by general contractor
- 20. HRB install pipe to within five feet of building without connection to building
- 21. Adjust Ring and Covers and/or Valve Boxes to Final Grade in Paving (By Paving Contractor)
- Landfill Fees (pipe, manhole, inlet, tree, etc removals.)
   HRB will load general contractor's dump truck with any HRB removal items

#### Notice

- 1 Backfill shall be a usable on site material .
  - (if backfill has to be dried or new material hauled in, it will be at additional cost to owner)
- 2 Street grading shall be certified by engineer before start of utility construction.
- 3 A letter will be written to HRB that the project was completed by HRB to specifications.
- 4 Compaction tests will be done daily and passed by engineer before HRB moves off project.
- 5 Final payment will be made to HRB when engineer states project is completed.
- 6 Owner or general will provide staging area at no cost to HRB.
- 7 HRB will haul off dirt or removal items at dump truck rental rate of \$85.00 per hour.
- 8 HRB will charge \$8.60 per ton for any dirt or removal items hauled to landfill.
- 9 HRB will charge 20.10 per ton for trees hauled to landfill.

Respectfully submitted, H.R. Bookstrom Construction Inc.

### Derch Bookstrom

Derek Bookstrom, President

#### **ACCEPTANCE**

You are hereby authorized to furnish all materials and labor required to complete the work mentioned in the above proposal, for which the undersigned agrees to pay the amount mentioned in said proposal, and according to the terms thereof.

Date	, 2020	by	

This proposal is sent to you in duplicate. If accepted sign and return original and retain the duplicate for your files.

Life's A Ditch . . . And We Dig It!



# LOWER PLATTE SOUTH natural resources district

3125 Portia Street | P.O. Box 83581 • Lincoln, Nebraska 68501-3581 P: 402.476.2729 • F: 402.476.6454 | www.lpsnrd.org

#### Memorandum

**Date:** January 6, 2021

To: Urban Subcommittee

From: Tracy Zayac, Stormwater/Watershed Specialist

**Subject:** RRLP Project for consideration at January 12, 2021, meeting

1. <u>RRLP.2020.002 Heun rain garden:</u> Dan and Rebecca Heun have submitted an application to the Rain-Ready Landscapes program for cost share on the (first) rain garden of their multi-stage project to address drainage and runoff on their property, located just south of Louisville at 1278 Stone Ridge Drive. The back of their property sits at the receiving end of the drainage from their upstream subdivision neighbors, as well as some lands remaining in agricultural use. The developer of the subdivision did not install stormwater facilities to handle drainage from the properties in this neighborhood, and the Heuns are looking at several small projects to decrease the erosion that this drainage is currently causing on their property.

This application covers the initial rain garden installation, the total cost of which is estimated to be \$12,321.71; the Omaha firm completing the work, Dee-sign Landscaping, has extensive experience with installing green infrastructure landscaping, such as rain gardens. The Heuns are requesting the maximum cost-share available, which is \$2,000 under this program.

Enc.: Heun rain garden request information

The Lower Platte South Natural Resources District shall manage the land and the water resources of the district for the common good of all people



Date: October 26, 2020

To: To Whom it May Concern

From: Daniel and Rebecca Heun

Re: Rain Ready Landscapes Program

As new homeowners at 1278 Stone Ridge Drive in Louisville, NE we were excited to read about and visit with the director of this newly minted program. We believe that our property is a great fit for the program and would like to request cost-sharing for our planned efforts to mediate rainwater runoff issues that currently exist on the property.

#### **Project Description:**

The home on this property was built in 2016 in the subdivision known as "The Ridges". We were informed by our neighbors post us moving in that the developers of the subdivision did not properly take into account the flow of water/drainage throughout the neighborhood. Our property sits much lower than many of our neighbors such that several of the neighboring properties' runoff effectively drains through the wooded area of our backyard. During storm events, water forms a temporary creek and erodes the existing soil in multiple areas. In living here for five months, we've seen significant degradation of the soil resulting in various channels/ditches being formed and standing water for days after it rains, resulting in us being unable to access our shed or use our backyard for its intended purposes. The goal of our overall project is to rectify this erosion issue in our backyard.

Our project will be completed in several stages, and after holding discussions with our preferred contractor, we believe we have found a path forward to complete this project in four stages. Stage One of this project involves excavating, grading, and installing a large rain garden capable of absorbing the significant amount of water that flows through our property. The stages that follow will result in re-channeling the flow of water throughout our property such that it leads into this large rain garden and future rain gardens, the creation of several dry creek beds to allow for this and addressing some of the other erosion points on the property.

#### **Outline of Project Costs – Stage One:**

Total cost for installation of the proposed rain garden is \$12,321.71. Please see attached Estimate SVC12785 from Dee-sign Landscaping and Garden Shop for further cost breakdown. The estimate encompasses materials, labor, plants for the rain garden and equipment rentals as required.

#### **Implementation Timeline:**

Stage one is planned to take place in June-July 2021.

#### **Landowner's Contact Information:**

Daniel & Rebecca Heun 1278 Stone Ridge Dr Louisville, NE 68037

Daniel	515-370-2939	dheun86@gmail.com
Rebecca	402-980-3809	becca.heun@gmail.com

**Aerial Photograph with Project Location** 



Figure 1 - Lot highlighted in Red, Rain Garden highlighted in Blue



Figure 2 - Drainage area, Rain Garden highlighted in Blue



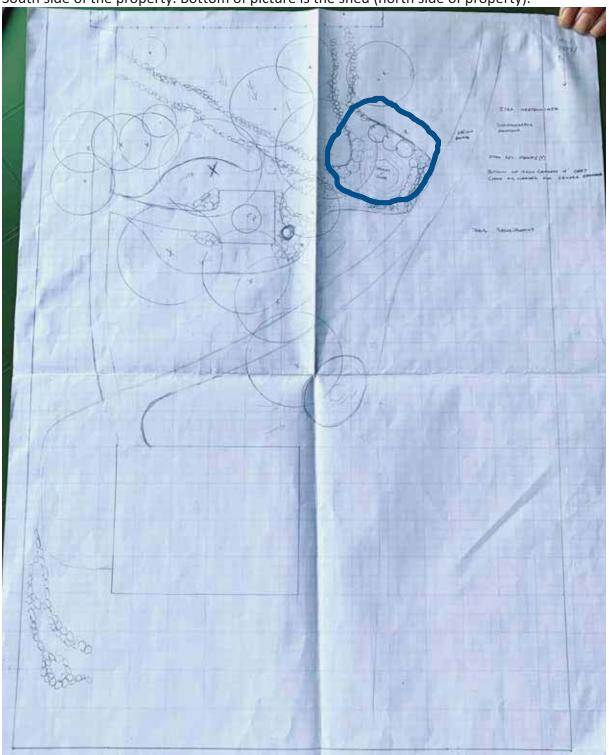
Proposed Rain Garden

Figure 3 - Project Area

# **Project Drawing:**

Please see the drawing below for the circled location of the rain garden. Top of picture is the

South side of the property. Bottom of picture is the shed (north side of property).



#### **Proposed Contractor:**

Dee-sign Landscaping and Garden Shop 8530 Blondo Street Omaha, NE 68134

One of the major points that drew us to Dee-sign is the fact that both Missy and Anna at Dee-sign are educated, qualified and certified in storm water management. They are well versed in rain gardens and the selection of native plants that will thrive in our garden, which is shaded to part-shade.

#### Maintenance Plan:

Weekly maintenance tasks: water, weed, and inspect the rain garden. Water plants regularly during the first 1-2 growing seasons. Weed as needed and remove invasive species. Inspect for any damage, excessive sediment, and movement of sediment within the rain garden. Inspect during rain events and note any successes or issues.

Annual maintenance tasks: Mulching, pruning, re-planting, remove sediment, replacing materials. Mulch every year to maintain a 3" thick mulch layer. Prune plants every year to remove dead vegetation and direct plant growth. Remove accumulated sediment within the rain garden. Reposition or replace rocks as needed.

Appendix 1: Image Gallery - Rain Garden (Phase One) and Future Dry Creek Beds



Figure 4: View facing north toward the shed. Proposed rain garden in blue. Natural flow of water shown; to be harnessed into dry creek beds in future phases.



View of Creek 1 facing South (toward the house); opposite from Figure 4 view.



Creek 1: Start of water pooling – runoff from neighboring properties uphill.



Creek 1: Water flow over stones (facing south toward our house uphill). Creek 1 starts on left.



Creek 1: Flow over stones into 1 of 2 main areas, later to converge into one main Creek 1.



Creek 1: Flowing toward main Creek 1 flow.



Creek 1: Flow from another region into main Creek 1 flow.



Creek 1: View of general drainage/water issues heading toward main Creek 1 flow.



Creek 1: Exit into other forested part of our property; plan for this to intersect the rain garden.



Creek 2: Originates inside our fenced-in backyard from neighboring property, leads west across the yard to join the drainage coming down from our home on a hill. Water flows north and becomes Creek 2 as shown in Figure 4.



Figure 5: Proposed location of rain garden at the merging of Creek 1 and Creek 2.



Standing water in area of proposed rain garden.



Appendix 1: Image Gallery – Additional Drainage Issues – Future Phases

Future projects to address runoff issues. Standing water to east of shed (future possible rain garden location); erosion to northeast of shed in corner of property (future retaining wall structure).



Standing water to the west of the shed, fed from Creek 3 which runs east to west in front of the shed. Possible future rain garden fed by dry creek bed.

## Dee-sign Landscaping & Garden Shop

8530 Blondo Street Omaha, Nebraska 68134

# **Estimate**

DATE	ESTIMATE NO.	
8/5/2020	SVC12785	

NAME / ADDRESS

Rebecca Brei&Daniel Heun 1278 Stone ridge dr. Louiseville, NE

					PROJECT
D	ESCRIPTION	QTY		COST	TOTAL
Phase one excavation, grading and raingarden installation Phase two dry creek beds to control erosion to raingarden Phase three secondary rain garden Phase four boulder walls in corner to control washout					
Estimate for Phase one					
Some perennials will be l	billed and installed in the spring				
Omar Crew Leader			28.5	45.00	1,282.50T
Installation Crew, Hardso	cape		47.5	45.00	2,137.50
Installation Crew, Softsca	ape		28.5	42.00	1,197.00T
Anna to direct crew and r	manage installation		28.5	55.00	1,567.50T
Hourly rate for Backhoe			9.5	35.76	339.72
Hourly rate for Skid			9.5	35.76	339.72
Delivery Fee soil mixture 2 loads			2	150.00	300.00T
Top soil per yard			7	50.00	350.00T
Compost per yard			7	60.00	420.00T
Leveling Sand per ton			14	40.00	560.00T
River Boulders/Glacier Boulders: Specify size at order retaining area where road will be located			5	300.00	1,500.00T
				TOTAL	
Phone #	E-mail	Web Site	SIGN	NATURE	
			,		

www.dee-signlandscaping.com

(402) 392-1444

deesign111@gmail.com

## Dee-sign Landscaping & Garden Shop

8530 Blondo Street Omaha, Nebraska 68134

# **Estimate**

DATE	ESTIMATE NO.	
8/5/2020	SVC12785	

NAME / ADDRESS

Rebecca Brei&Daniel Heun 1278 Stone ridge dr. Louiseville, NE

PROJECT

DESCRIPTION	QTY	COST	TOTAL
Carex Everillo Golden Sedge Grass	9	9.99	89.91T
Carex flacca 'Blue Zinger'Sedge	9	9.00	81.00T
Carex Everest Sedge Grass	13	9.99	129.87T
Calamagrostis acutiflora Karl Foerster Feather Reed Grass	5	15.00	75.00T
Ilex verticillataWinterberry	3	35.00	105.00T
Itea Virginica Lil' Henry, Itea Sweetspire 8dp	9	25.00	225.00T
Symphoricarpos Chenaulti Hancock	5	25.00	125.00T
Perennial plant list priced per plant			
Asclepias Tuberosa spring install 24	24	8.00	192.00T
Chelone obliquaPink Turtlehead spring install 13	1	11.00	11.00T
Athyrium Filix-Femina Lady fern spring install 15	15	10.00	150.00T
Tradescantia virginiana 'Blue and Gold'Spiderwort spring install 32	32	4.00	128.00T
Aquilegia xColumbine spring install 32	32	4.00	128.00T
Premium Hardwood Mulch	5	35.00	175.00T
Debris disposal there should be little if any debris all soil will be used on site	0.5	100.00	50.00T
		TOTAL	

Phone # E-mail Web Site SIGNATURE

(402) 392-1444 deesign111@gmail.com www.dee-signlandscaping.com

## Dee-sign Landscaping & Garden Shop

8530 Blondo Street Omaha, Nebraska 68134

# **Estimate**

DATE	ESTIMATE NO.
8/5/2020	SVC12785

NAME / ADDRESS

Rebecca Brei&Daniel Heun
1278 Stone ridge dr.
Louiseville, NE

PROJECT

DESCRIPTION	QTY	COST	TOTAL
Note: The following tools are needed to complete the job. They are itemized to avoid charging you tax.		0.00	0.00T
Omar's truck and trailer	4	23.52	94.08T
Dump Truck	4	12.16	48.64
King Cab (Landscaping Limousine)	3	9.16	27.48
Wheelbarrow	8	0.09	0.72
Spade Shovel/Flat Edge	16	0.09	1.44
Point Shovel	8	0.09	0.72
Leaf Rake/Soft Rake	4	0.09	0.36
Garden Rake/Hard Rake	8	0.07	0.56
Rock Shovel	8	0.09	0.72
Mallet Sales Tax	8	0.60 5.50%	4.80 491.47
		TOTAL	\$12,329.71

Phone # E-mail Web Site SIGNATURE

(402) 392-1444 deesign111@gmail.com www.dee-signlandscaping.com