

MEMORANDUM

TO: Programs, Projects, and Operations Subcommittee
FROM: Eric Williams, Natural Resources Planner
SUBJECT: FY 2023 Urban Cost Share Programs

- Urban Conservation Assistance Program
- Urban Drainageway Program
- Recreation Area Development Program
- Trails Assistance Program
- Lake Dredging Program

DATE: April 8, 2022

The District solicited applications for the urban cost share programs from the various units of government in the District for the upcoming fiscal year. The following applications were received.

Urban Conservation Assistance Program

The Urban Conservation Assistance Program (UCAP) cost shares with units of government to solve relatively minor erosion, flooding, and stormwater management problems within their jurisdiction. The Policy Manual allows for Management approval of all applications.

Bellevue, College Heights Storm Sewer Outfall Repair

Significant channel erosion has occurred causing tree loss, vertical banks, and damage to the outfall structure. The proposed solution is to reconstruct a new outfall, including a detention basin, which will reduce the risk to adjacent private property.

SID 162 Millard Park, Bank Stabilization

The channel of the South Papio Creek through the neighborhood has never been engineered and remains in an unaltered condition. The natural meander of the creek is now threatening public infrastructure and private property, and stabilization is recommended in the most seriously threatened location while discussions about a more comprehensive solution occur.

The FY 2022 budget included \$120,000 for projects in this program. The following table summarizes the FY 2023 applications.

<u>Sponsor, Project</u>	<u>Total Estimated Cost</u>	<u>FY 2022 Cost Share</u>
Bellevue, College Heights Storm Sewer Outfall	\$2,244,125	\$30,000
SID 162 (Sarpy) Millard Park, Bank Stabilization	\$100,000	\$30,000
Total	\$2,344,125	\$60,000

- **It is recommended that the Subcommittee recommend to the Board of Directors that the applications from Bellevue for \$30,000 and SID 162 Millard Park for \$30,000, for a total of \$60,000 be approved, subject to funding in the FY 2023 Budget.**

Urban Drainageway Program

The Urban Drainageway Program (UDP) cost shares with units of government to rehabilitate major urban drainageways within their jurisdiction. The cost share rate varies depending on the level of rehabilitation. This program was redefined by the Board in 2011. Board approval is required on all applications. New program applications were received and are outlined below.

Bellevue, Quail Creek Rehabilitation

Degradation and bank erosion are threatening public infrastructure along the lowest stretch of Quail Creek from approximately Hwy 370 downstream to the confluence with the West Papio Creek. A comprehensive project including grade natural grade control and bank stabilization is recommended. This project is expected to take multiple years, and an Interlocal Agreement with the City of Bellevue is expected to be prepared to specify the terms of District participation.

Bellevue, Whitted Creek Rehabilitation

Ongoing degradation in the stream has caused damage to past stabilization structures, and the erosion is now threatening public infrastructure, private property, and the park and trail located next to the creek. Design would include an overbank area to help reduce the risk of damage during high water events, as well as grade and bank stabilization. This project is expected to take multiple years, and an Interlocal Agreement with the City of Bellevue is expected to be prepared to specify the terms of District participation.

Blair, Highway 75 Channel Improvements

A drainageway running east from the highway is overgrown with trees which is causing additional debris to collect and cause ponding upstream. The proposed solution is to construct a designed channel to carry flow during high water events. Based on the elements used in the design, this project is being recommended at a lower funding percentage than was requested in the application.

Omaha, Oakbrook Channel Repair Phase II

Extensive damage has been occurring on Oakbrook Creek and a tributary, with significant risk to multiple types of public infrastructure. The proposed design will install grade and bank stabilization and will be coordinated with existing and future planned recreation facilities. This project is expected to take multiple years, and an Interlocal Agreement with the City of Omaha is expected to be prepared to specify the terms of District participation.

Sarpy County, Buffalo Road Channel

Erosion is threatening the south edge of Buffalo Road, and past designs did not lead to an adequate and cost-effective solution to protect the road from future damage. Redesign work has led to a design which will realign the channel with newly graded slopes including bank stabilization efforts. This project is expected to take multiple years, and an Interlocal Agreement with Sarpy County is expected to be prepared to specify the terms of District participation.

The FY 2022 budget included \$786,968 for projects in this program. The following table summarizes the FY 2023 applications.

Sponsor, Project	Total Estimated Cost	FY 2022 Cost Share
Bellevue, Quail Creek Rehabilitation Year 1 of 3 (total for the project \$1,500,000)	\$3,458,000	\$280,000
Bellevue, Whitted Creek Rehabilitation Year 1 of 3 (total for the project \$1,500,000)	\$3,510,000	\$295,000
Blair, Highway 75 Channel Improvements	\$150,000	\$60,000
Omaha, Oakbrook Channel Repair Phase II Year 1 of 3 (total for the project \$1,500,000)	\$5,500,000	\$400,000
Sarpy County, Buffalo Road Channel Year 1 of 3 (total for the project \$1,291,566)	\$2,152,610	\$300,000
Total	\$14,770,610	\$1,335,000

- **It is recommended that the Subcommittee recommend to the Board of Directors that the application from the City of Bellevue for \$280,000 and \$295,000 in FY 2023, Blair for \$60,000, the City of Omaha for \$400,000 in FY 2023, and from Sarpy County for \$300,000 in FY 2023 for a total of \$1,335,000 in FY 2023, be approved, subject to funding in the FY 2023 Budget.**

Recreation Area Development Program

The Recreation Area Development Program (RAD) cost shares with communities to develop and improve recreation areas within their jurisdiction. The cost share rate is 50%. On projects requesting more than \$20,000, the Policy Manual requires Board approval. On all others, Management has approval authority.

Bennington, Tim Ohrt Park Improvements

Multiple improvements to the existing park have been designed, and the eligible costs for the new playground equipment have been submitted to the District. These new facilities will improve the existing neighborhood park and provide new opportunities for people to both access the park and enjoy the natural resources in their community.

Fort Calhoun, Adams Street Band Shell

Comprehensive master planning for the Adams Street Park has led to the successful completion of multiple project and recognition of the need to prioritize the performance space as the next project. This facility will include a grass lawn and provide a venue for up to 300 people to enjoy outdoor events in the continually improving park.

Gretna, Crossing Park Restrooms

The expansive new outdoor recreation area known as Gretna Crossing Park is being developed in multiple phases. To accommodate new guests to the park, funding is requested for ADA accessible restrooms designed with minimal expected maintenance.

La Vista, Jay Cee Park Playground

Improvements to this existing park are planned to help people appreciate nature for the distant future. A new playground will replace the outdated equipment and be surround by wood fiber mulch and a new drainage structure.

Papillion, Garden Street Park Playground

This project will renovate an existing park in downtown Papillion, and provide new equipment, benches, concrete sidewalk, and ecoturf surfacing.

South Sioux City, Covington Park Playground

Renovation of this existing park is designed to match the Nebraska Statewide Comprehensive Outdoor Recreation Plan (SCORP) by providing accessible and safe facilities for people in the community to enjoy outdoors.

The FY 2022 budget included \$430,911 for projects in this program. The following table summarizes the FY 2023 applications.

<u>Sponsor, Project</u>	<u>Total Estimated Cost</u>	<u>FY 2022 Cost Share</u>
Bennington, Tim Ohrt Park Improvements	\$221,370	\$50,000
Fort Calhoun	\$216,700	\$50,000
Gretna, Crossing Park Restrooms	\$348,508	\$50,000
La Vista, Jay Cee Park Playground	\$100,000	\$50,000
Papillion, Garden Street Park Playground	\$95,000	\$47,500
South Sioux City, Covington Park Playground	\$170,000	\$50,000
Total	\$1,151,578	\$297,5900

- **It is recommended that the Subcommittee recommend to the Board of Directors that the applications from Bennington for \$50,000, Fort Calhoun for \$50,000, Gretna for \$50,000, La Vista for \$50,000, Papillion for \$47,500, and South Sioux City for \$50,000, for a total of \$297,500, be approved, subject to funding in the FY 2023 Budget.**

Trails Assistance Program

The Trails Assistance Program cost shares with sponsors on trail projects to provide recreation and active transportation opportunities in the District. The cost share rate is 50% of the local share. All projects require Board approval.

Douglas County, West Maple Road Trail Phase 1

This corridor has been identified in the Metro Area Trails Map for many years, and this project will bring a recreation connection into the Elkhorn River Recreation Area. The conceptual study identified significant benefits from connecting the existing Ta-Ha-Zouka Trail to the Elkhorn River, and from preparing for future connectivity to DS-12 when it is completed.

SID 351 (Sarpy) Cheyenne Ridge Trail

This neighborhood on the west edge of Chalco Hills is developing a trail within their boundary and including a connection into the park. District staff will coordinate with the SID engineer on this project related to any work in the park, and to include trail improvements in Chalco Hills to improve drainage conditions where this trail meets the existing loop trail.

South Sioux City, Siouxland Freedom Park Trail

This park is dedicated to recognizing veterans and has guests of all ages, and varying mobility. The trail will connect multiple parts of the park with an accessible path.

The FY 2022 budget included \$1,213,375 for projects in this program. The following table summarizes the FY 2023 applications.

<u>Sponsor, Project</u>	<u>Total Estimated Cost</u>	<u>FY 2022 Cost Share</u>
Douglas County, West Maple Road Trail Phase 1	\$1,080,170	\$540,085
SID 351 (Sarpy) Cheyenne Ridge Trail	\$225,000	\$112,500
South Sioux City, Siouxland Freedom Park Trail	\$72,475	\$36,237
Total	\$1,377,645	\$688,822

- **It is recommended that the Subcommittee recommend to the Board of Directors that the applications from Douglas County for \$540,085, SID 351 Cheyenne Ridge for \$112,500, and South Sioux City for \$36,237 for a total of \$688,822 be approved, subject to funding in the FY 2023 Budget.**

Lake Dredging Program

The Lake Dredging Program cost shares with communities to remove accumulated sediments from public recreation lakes. The cost share rate is 50%, up to a maximum of \$100,000. All applications require Board Approval.

Papillion, Walnut Creek Silt Ponds

Sediment has accumulated in the three silt ponds on the southwest edge of Walnut Creek Lake. Dredging is needed for the ponds to continue to protect the water quality of the main lake. District staff have coordinated with Papillion about the history of this location and will continue to be provide support as needed.

The most recent project included in the budget was in FY 2019 for \$100,000. The following table summarizes the FY 2023 applications.

<u>Sponsor, Project</u>	<u>Total Estimated Cost</u>	<u>FY 2022 Cost Share</u>
Papillion, Walnut Creek Silt Ponds	\$850,850	\$100,000
Total	\$850,850	\$100,000

- **It is recommended that the Subcommittee recommend to the Board of Directors that the applications from Papillion for \$100,000 be approved, subject to funding in the FY 2023 Budget.**

Urban Conservation Assistance Program – Application Form



Project name College Heights Storm Sewer Outfall Repair

Project location (attach location map) 407 Kountze Memorial Dr

Sponsor organization City of Bellevue - Public Works Department

Sponsor address 1510 Wall Street

City Bellevue State NE ZIP 68005

Contact person Dean Dunn

Title Manager of Engineering Services

Email address dean.dunn@bellevue.net Daytime phone 402.293.3144


Description of problem (attach additional sheets as needed)

Channel has eroded significantly downstream of storm sewer outfall causing tree loss, vertical banks, and failure of the outfall pipe.
Continued erosion threatens private property. See attached sheets

Proposed solution (attach additional sheets as needed)

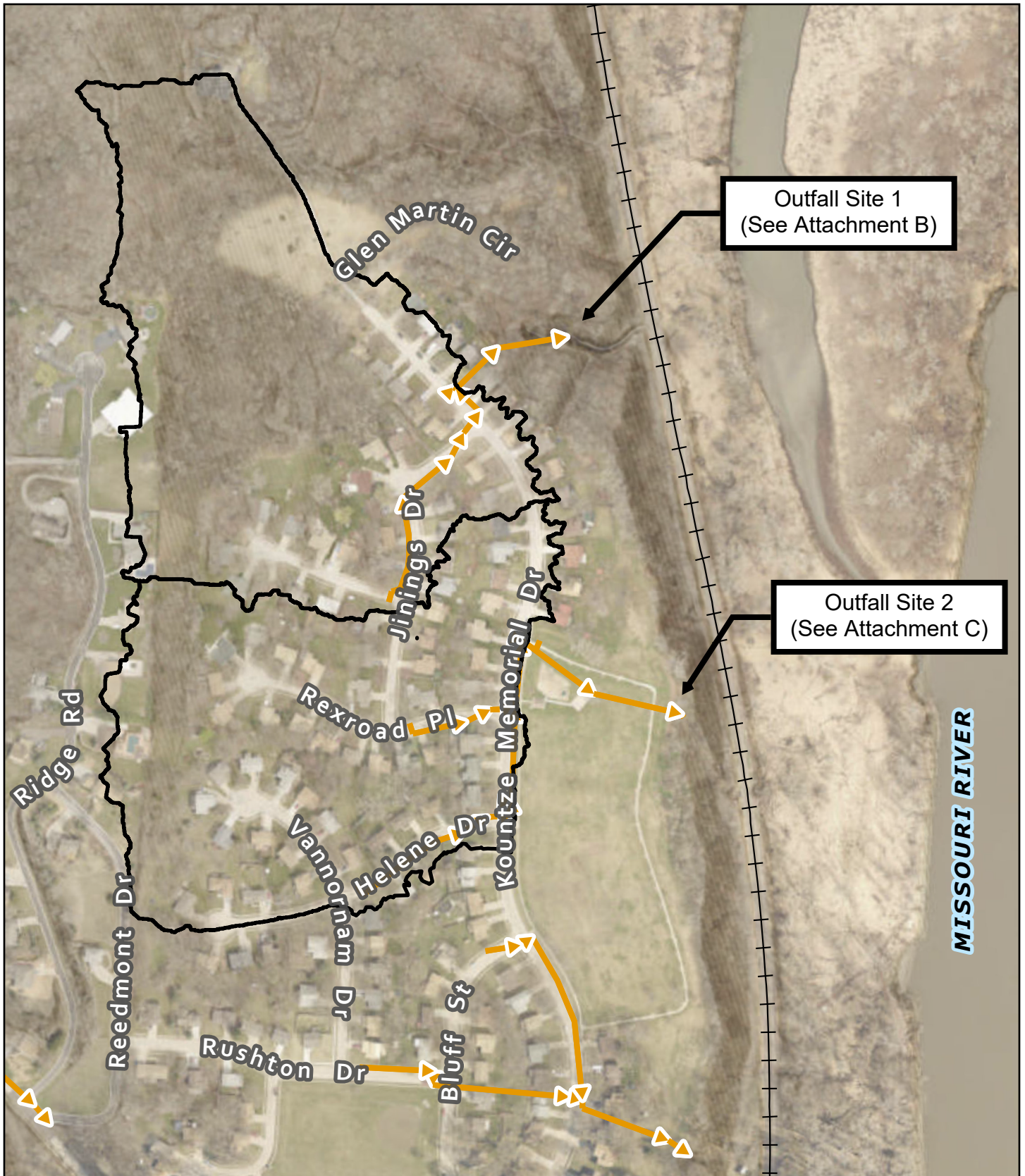
The failed outfall is proposed to be abandoned and the eroded site will be repaired/stabilized. Stormwater will be re-routed to a new detention basin within a City of Bellevue park. See attached.

Total estimated cost \$ 2,244,125 Cost share request \$ 30,000


Signature

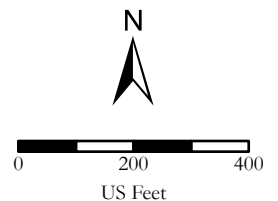
3/18/2022
Date

Manager of Engineering Services
Title



**ATTACHMENT A:
LOCATION MAP
College Heights Storm Sewer
Outfall Repair**

Coordinate System: NAD 1983 StatePlane Nebraska FIPS 2600 Feet



Additional Project Information: College Heights Storm Sewer Outfall Repair Project Urban Conservation Assistance Program Application FY2023

Description of the Problem

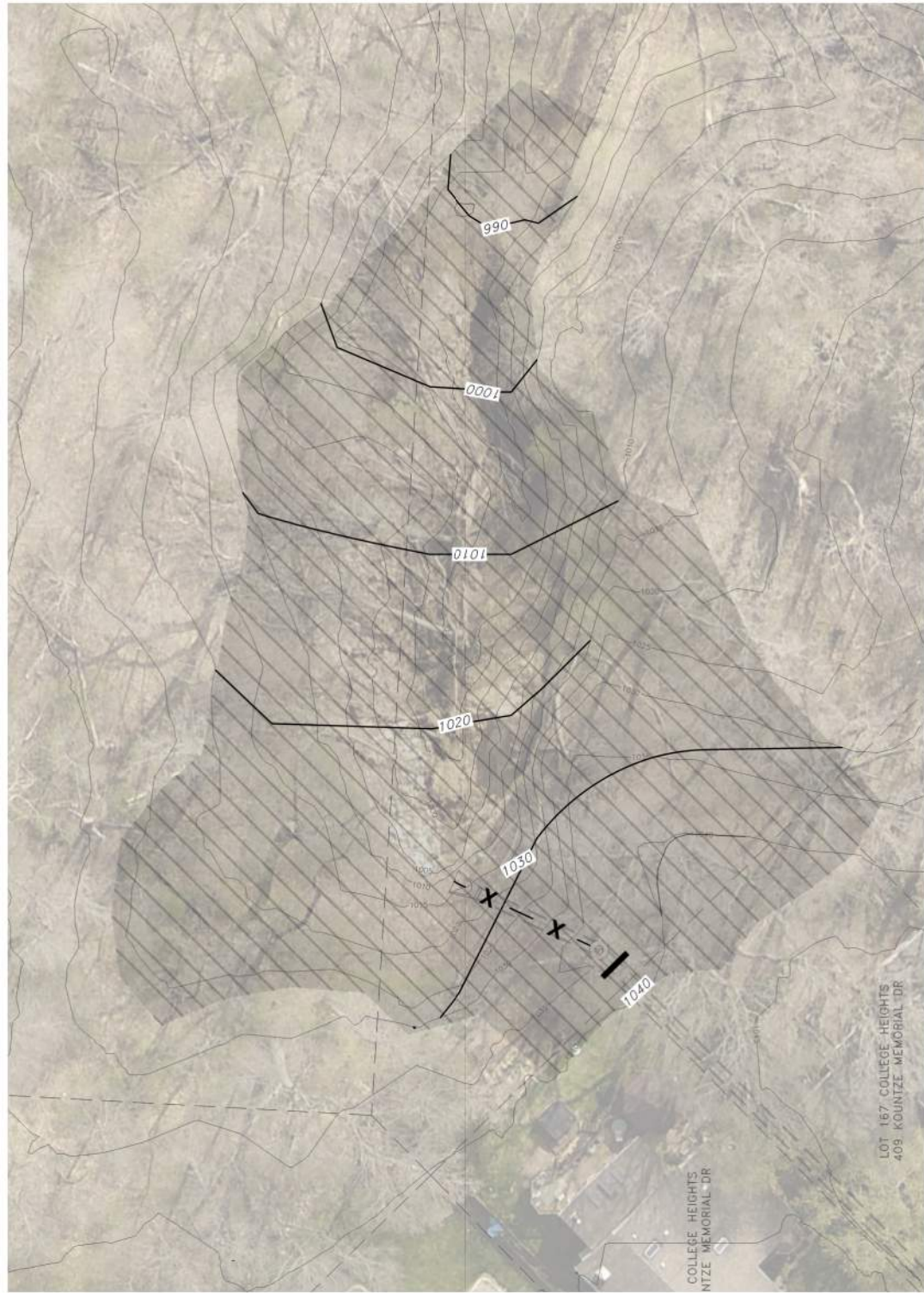
The College Heights neighborhood is located in northeast Bellevue, west of Kountze Memorial Drive and north of 12th Avenue. The area was developed in the 1970's and primarily consists of single-family residential homes. The subdivision sits at the top of a bluff, with site drainage traveling from west to east toward the Missouri River. Runoff in this area is collected via a storm sewer system and discharged to three separate outfalls, two of which are the focus of a repair project initiated by the City of Bellevue (see Attachment A for Location Map and Attachments B and C for Site Maps).

The first outfall, located in the northern half of the subdivision, is a 30-inch reinforced concrete pipe (RCP) and has a drainage area of approximately 20.16 acres. This outfall discharges to an open channel, which conveys stormwater east to a railroad culvert crossing, where it is then discharged to the river. The channel immediately downstream of the outfall is severely degraded, with significant channel headcutting and bank erosion that has resulted in vertical walls in excess of 30 feet (see Photograph 1). Bank sloughing has also resulted in a considerable amount of tree loss, with tree and other debris blocking portions of the channel and causing additional erosion at the banks. The outfall itself has been undermined, and portions of the structure have fallen into the creek, leaving the remaining pipe invert situated well above the channel flowline. These conditions are threatening the nearby private properties and have prompted significant safety concerns (see Photograph 2).

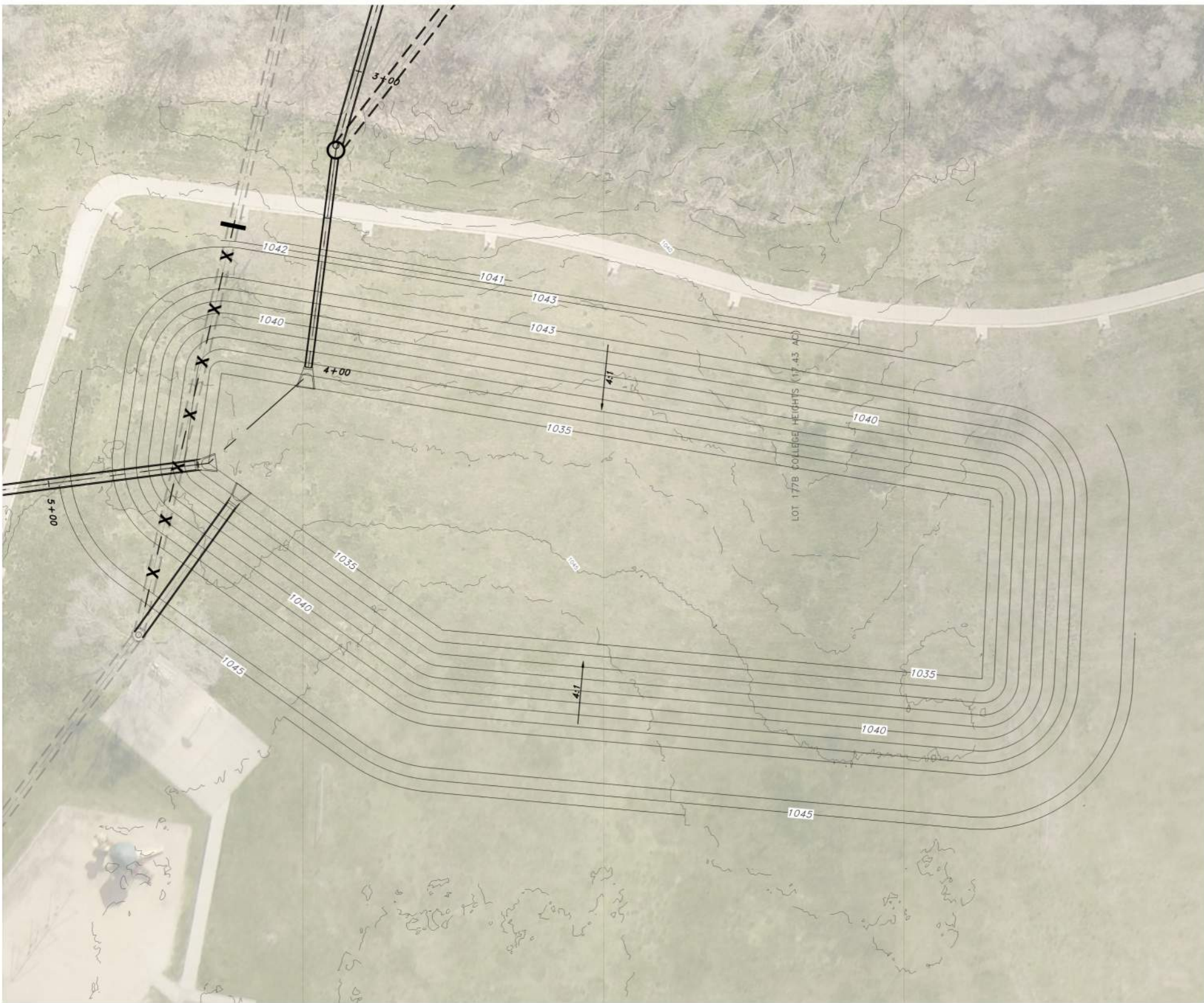


Photograph 1: Vertical Banks Near North Storm Sewer Outfall

FILENAME: C:\Users\Bordeaux\OneDrive\Documents\My Documents\CURRENT PROJECTS\WXX26900 - Bellevue Conceptual Drainage Design\040\CollegeHeights\CollegeHeights_ConceptualDesign_recover001.dwg
DATE PLOTTED: 11/1/2021 10:18 PM DRAWN BY: NWS PLOT SCALE: 1:1



**STORM SEWER OUTFALL REMOVAL AND
EROSION REPAIR PLAN**



PROPOSED DETENTION BASIN

**COLLEGE HEIGHTS STORM SEWER REPAIR -
CONCEPTUAL DESIGN**

10 **ALTERNATIVE - 2**

CITY OF BELLEVUE
PUBLIC WORKS DEPARTMENT

PLAN DATE
11/1/2021
DRAWN BY
JEG
SHEET
4 OF 4

Urban Conservation Assistance Program – Application Form



Project name _____

Project location (attach location map) _____

Sponsor organization _____

Sponsor address _____

City _____ State _____ ZIP _____

Contact person _____

Title _____

Email address _____ Daytime phone _____

Description of problem (attach additional sheets as needed)

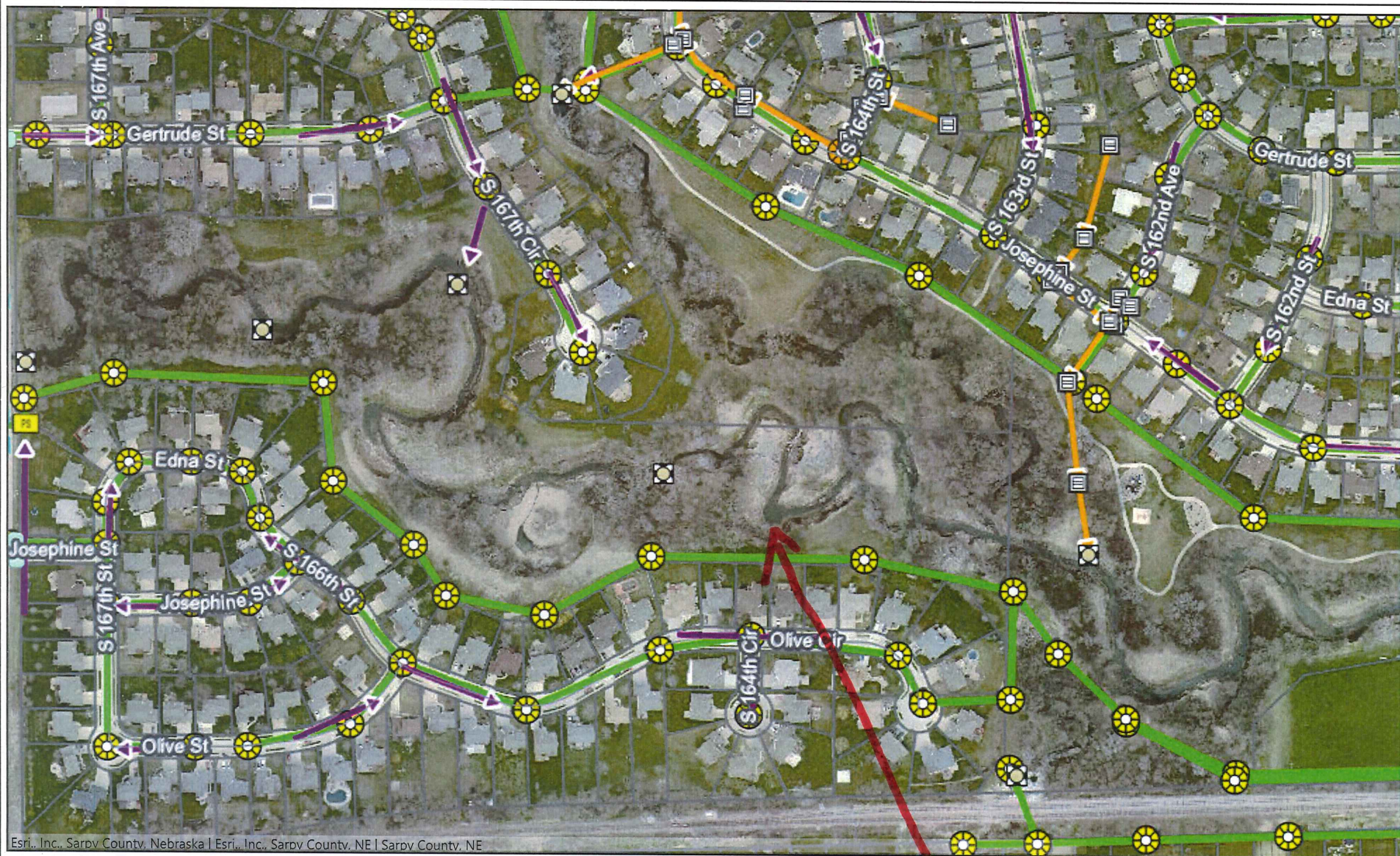
Proposed solution (attach additional sheets as needed)

Total estimated cost \$ _____ Cost share request \$ _____

Signature

Date

Title



A horizontal scale bar with a black background and white markings. The bar is divided into segments by white lines. Above the bar, the numbers 0, 400, and 800 are printed in black. The unit 'ft' is printed at the right end of the bar.

Map Scale 1: 4514

This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the source records and information sources to ascertain the usability of the information.



Notes



Urban conservation
Lot 427



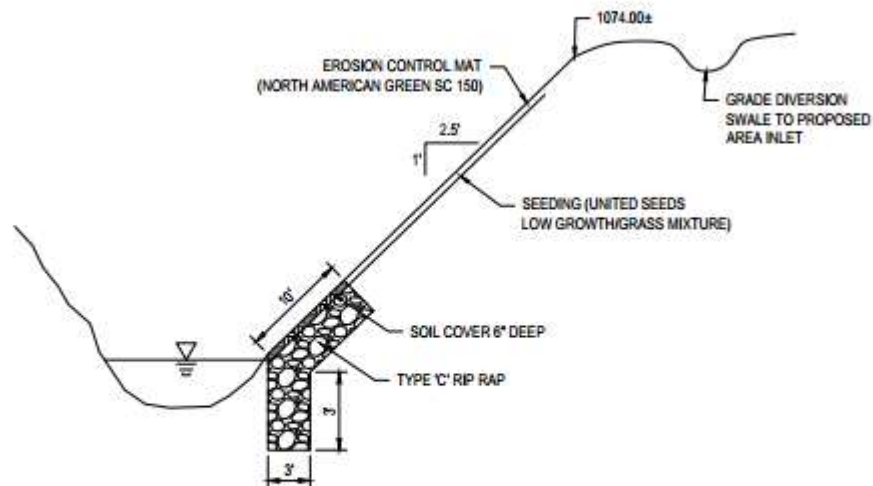
URBAN CONSERVATION ASSISTANCE PROGRAM – APPLICATION FORM

Description of problem –

A tributary of the South Papillion Creek and Mission Creek, that runs through the middle of Millard Park (SID 162) has experienced significant bank sloughing and erosion on the north, south and east banks. Further bank erosion is anticipated, jeopardizing the adjacent private property owners and sewer.

Proposed solution –

The proposed solution is to stabilize the eroding creek by natural channel design work and the placement of rip rap along the south bank will help in establishing a hard armor toe of slope. Existing vertical banks will be regarded to a 2.5:1 slope, matted and seeded.



RIPRAP PLACEMENT DETAIL

NOT TO SCALE

Urban Drainageway Program – Application Form



Project name _____

Project location (attach location map) _____

Sponsor organization _____

Sponsor address _____

City _____ State _____ ZIP _____

Contact person _____

Title _____

Email address _____ Daytime phone _____

Description of problem (attach additional sheets as needed)

Additional project information is provided
in the attached sheets.

Proposed solution (attach additional sheets as needed)

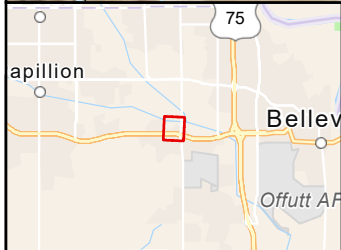
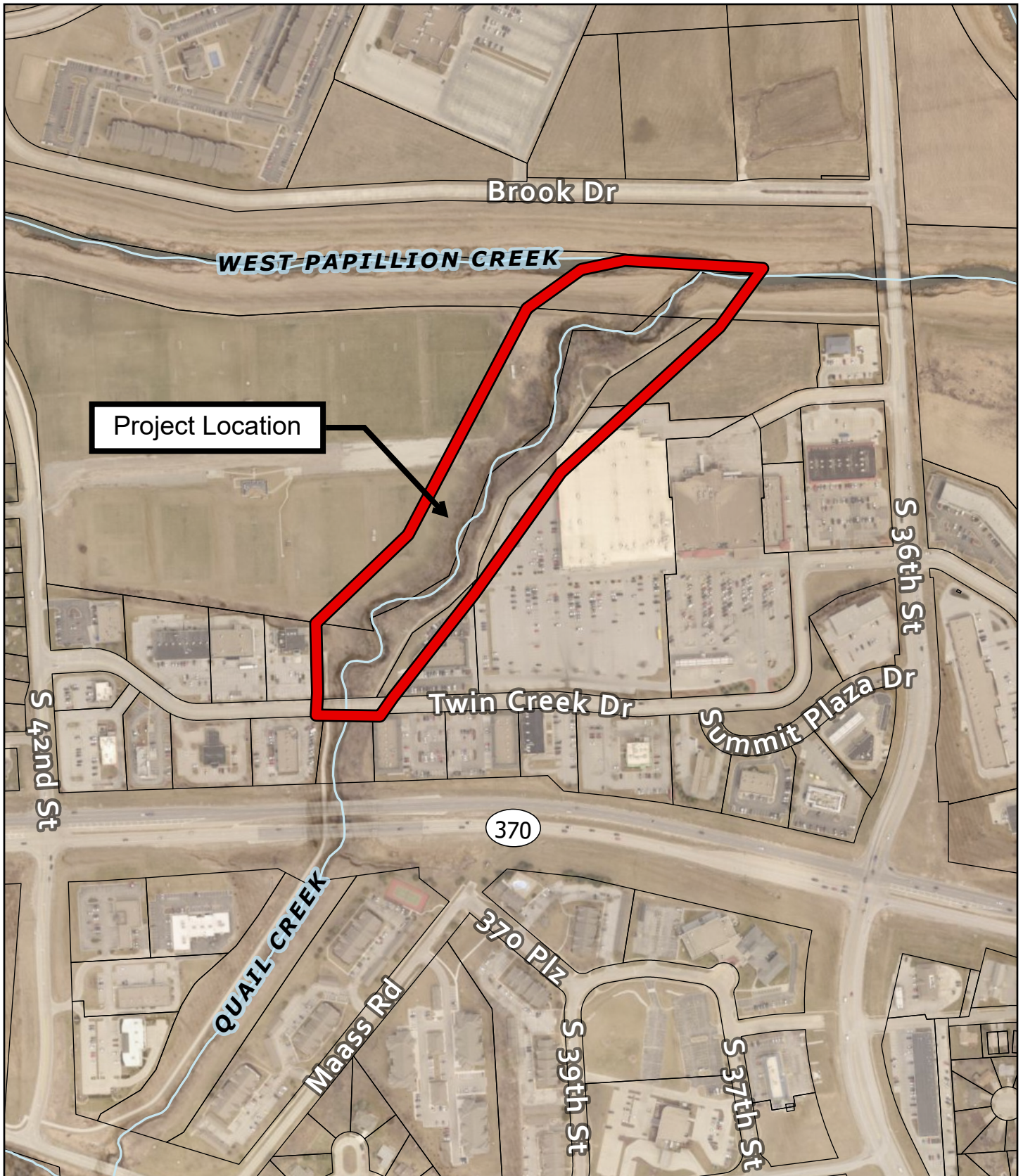
Level of Design Level 1 ☐ Level 2 ☐ Level 3 ☐

Total estimated cost \$ _____ Cost share request \$ _____

Signature

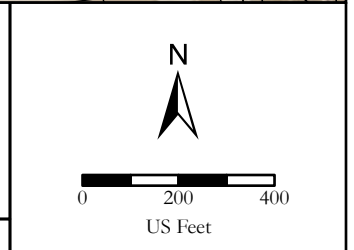
Date

Title



ATTACHMENT A:
LOCATION MAP
Quail Creek Improvements

Coordinate System: NAD 1983 StatePlane Nebraska FIPS 2600 Feet





Photograph 2. Channel Widening and Meandering Banks Encroach on Nearby Trail

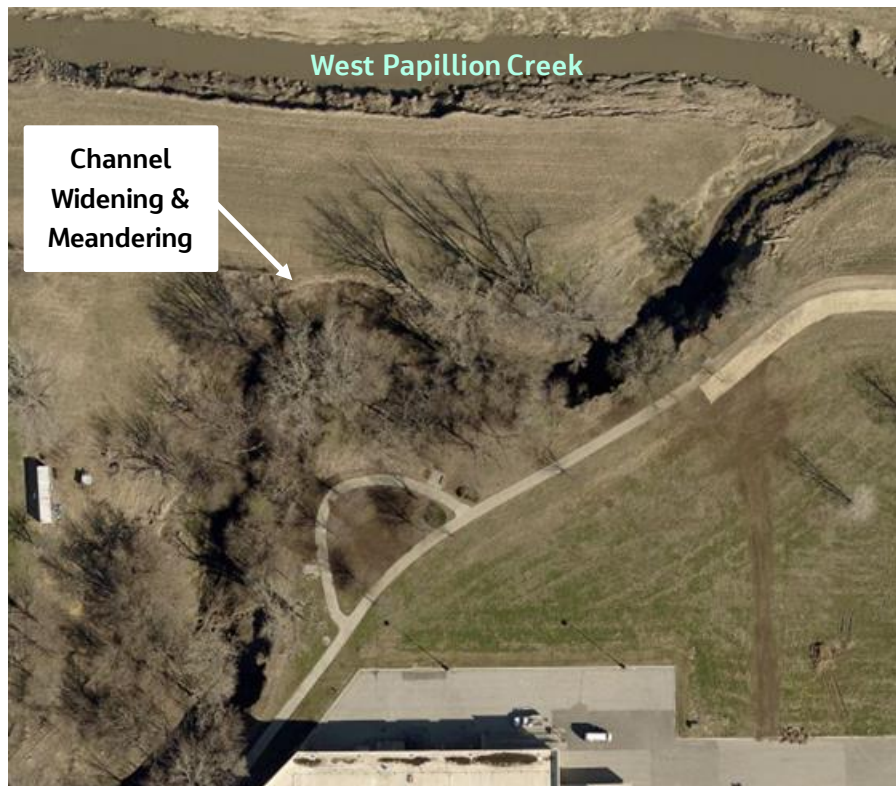


Figure 1. Quail Creek Migrating Toward West Papillion Creek

Additional Project Information: Quail Creek Improvements Project Urban Drainageway Program Application FY2023

Cost Estimate and Implementation Schedule

The total estimated cost for this project is approximately \$3,458,000. This includes an opinion of probable construction cost of approximately \$2,766,400 and an estimated \$691,600 in indirect costs (i.e. professional services for detailed design, bid phase services, construction management, etc.).

In addition to the District's Urban Drainageway Program, the City will also submit applications for EPA 319 and Nebraska Environmental Trust (NET) grant funding in September of this year (2022). If this project is selected to receive Level 2 cost-share funding under the Urban Drainageway Program, Table 1 below summarizes how the proposed funding may be broken down between the District and the City of Bellevue and the anticipated timeline for design and construction.

Table 1: Project Expenditures and Anticipated Timeline				
Funding Entity	NRD FY and Project Activities			Total
	FY 2023 / FY 2024	FY 2024 / FY 2025	FY 2025 / FY 2026	
	RFP, Survey, Design, Permitting	Project Bid & Start Construction	End Construction & Project Close- Out	
P-MRNRD	\$280,000	\$610,000	\$610,000	\$1,500,000
City of Bellevue	\$204,120	\$876,940	\$876,940	\$2,010,000
Total	\$492,000	\$1,486,940	\$1,486,940	\$3,458,000

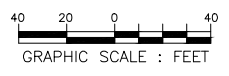
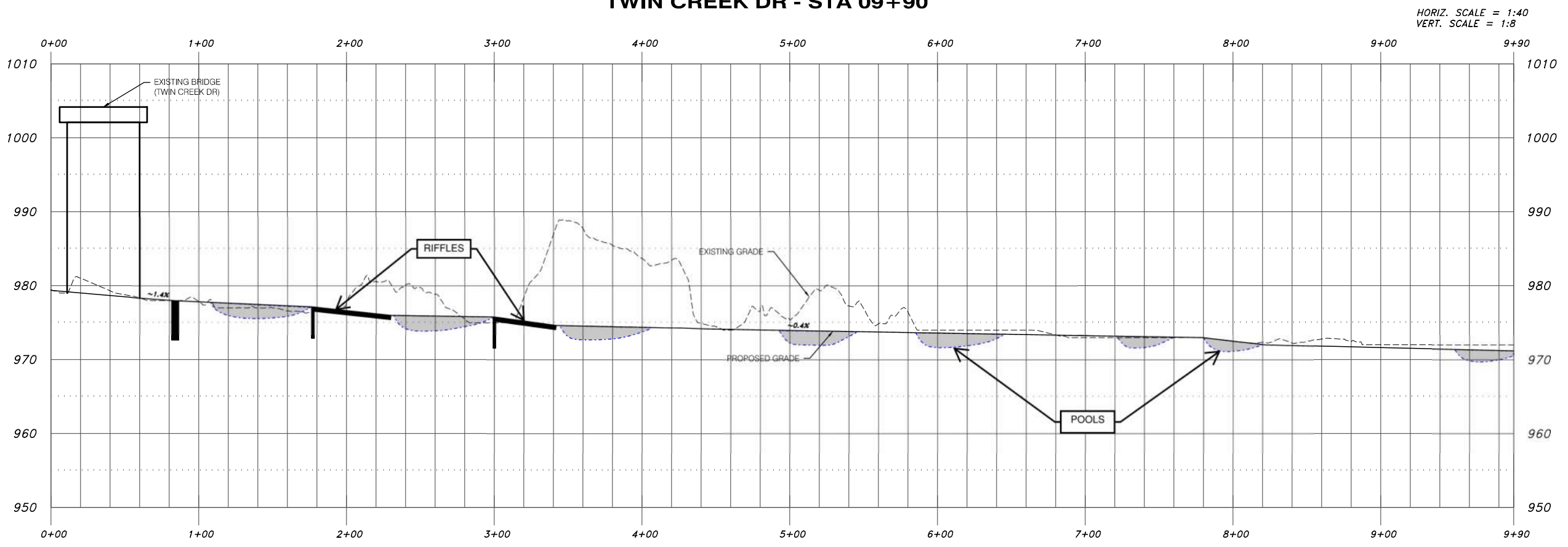
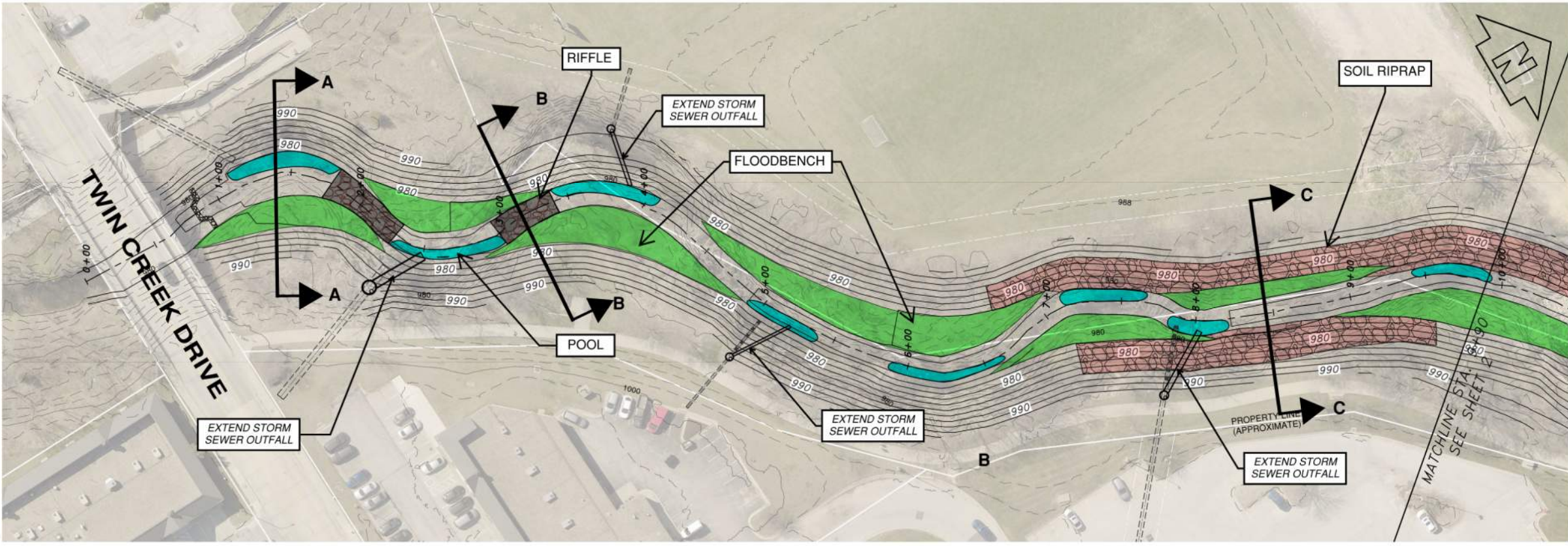
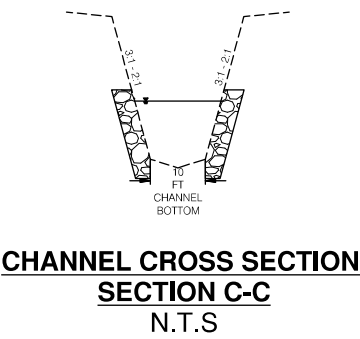
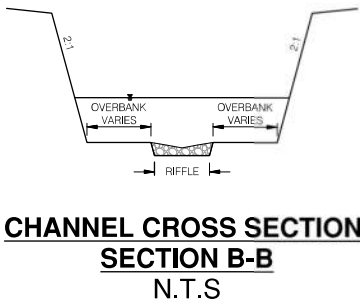
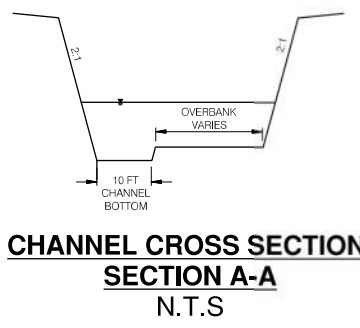
Environmental Acceptability Statement

The City acknowledges their responsibility to uphold and adhere to any and all environmental laws and regulations. A review of the EPA's NEPAAssist mapping tool did not show any EPA facilities or sites in the project area that are subject to environmental regulation. However, wetlands have been identified within the project site, and it is expected that construction activities for this project will be regulated under the Clean Water Act.

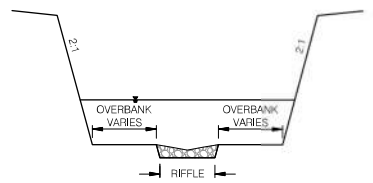
Preliminary Survey and Design Information

Jacobs Engineering utilized 2019 LiDAR data and other open-source GIS data to develop the conceptual design for this project (see attached Concept Plan and Profile). At detailed design, survey will be obtained to provide further definition of stream geometry and features (i.e.

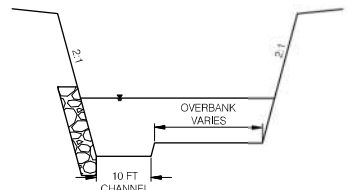
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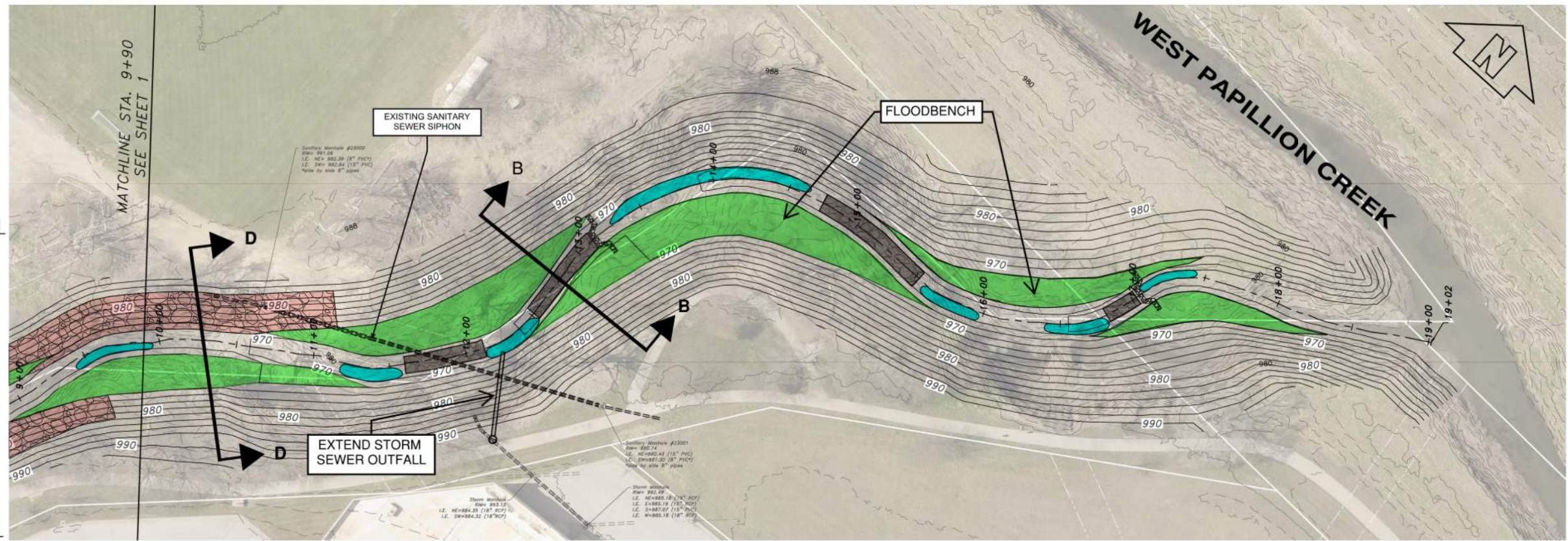
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CHANNEL CROSS SECTION
SECTION B-B
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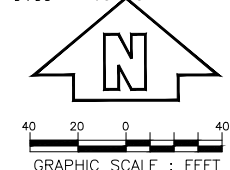
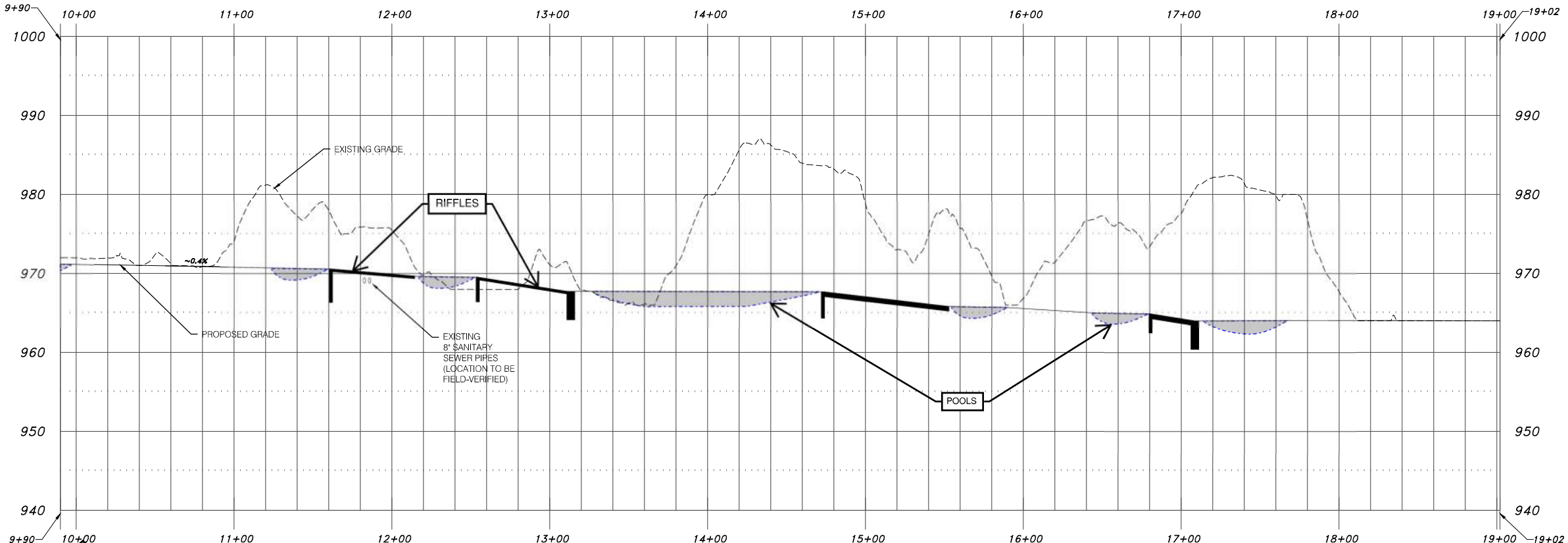


CHANNEL CROSS SECTION
SECTION D-D
N.T.S



QUAIL CREEK
STA 09+90 - WEST PAPILLION CREEK

HORIZ. SCALE = 1:40
VERT. SCALE = 1:8



QUAIL CREEK - CONCEPTUAL DESIGN

ALTERNATIVE 2

CITY OF BELLEVUE
PUBLIC WORKS DEPARTMENT

PLAN DATE
XX/XX/XX
DESIGN BY
JEG
SHEET
2 OF 2

Urban Drainageway Program – Application Form



Project name _____

Project location (attach location map) _____

Sponsor organization _____

Sponsor address _____

City _____ State _____ ZIP _____

Contact person _____

Title _____

Email address _____ Daytime phone _____

Description of problem (attach additional sheets as needed)

Proposed solution (attach additional sheets as needed)

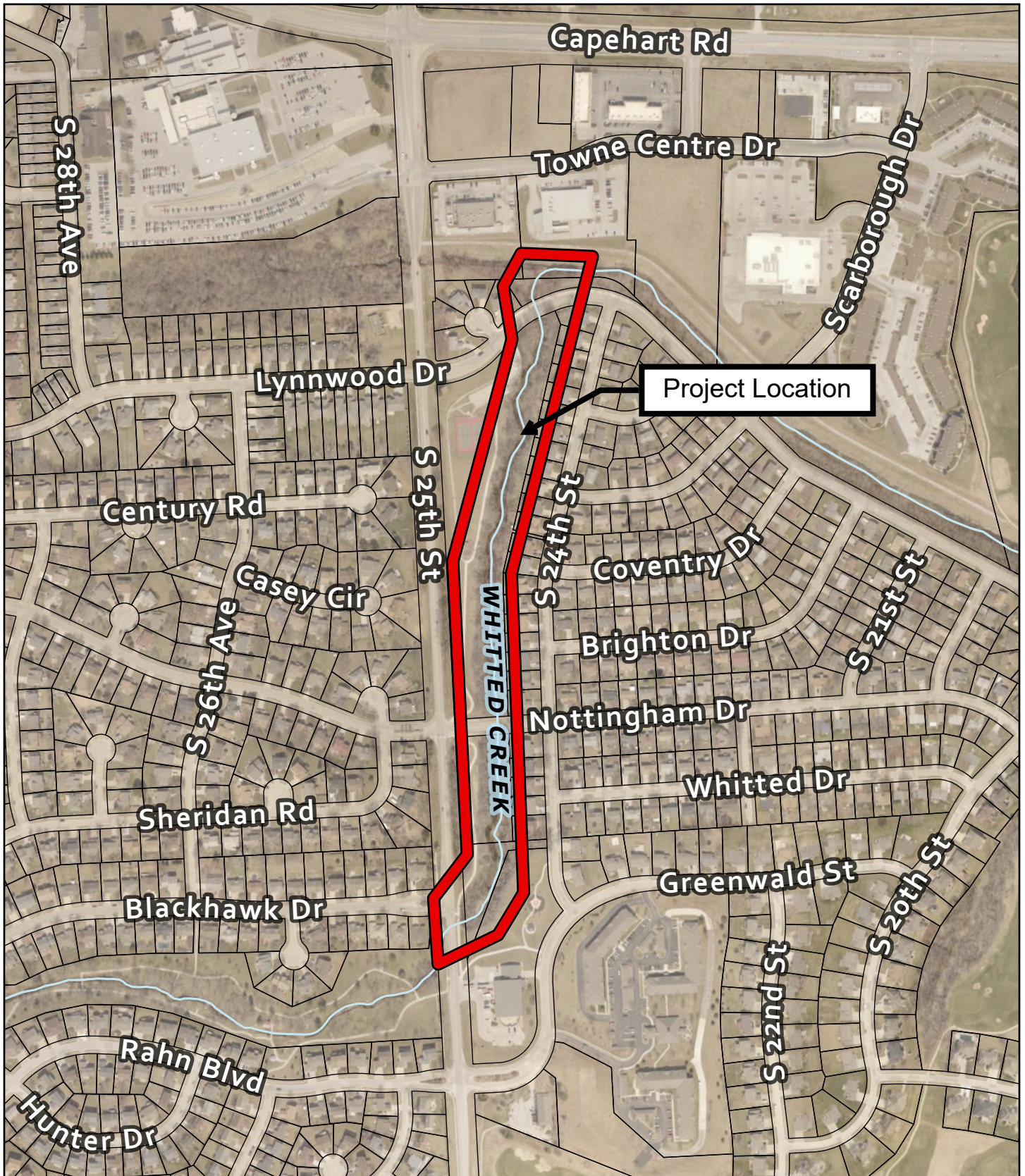
Level of Design Level 1 ☐ Level 2 ☐ Level 3 ☐

Total estimated cost \$ _____ Cost share request \$ _____

Signature

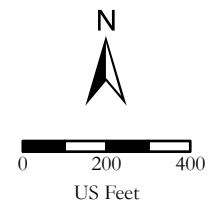
Date

Title



ATTACHMENT A:
LOCATION MAP
Whitted Creek Improvements

Coordinate System: NAD 1983 StatePlane Nebraska FIPS 2600 Feet



Additional Project Information: Whitted Creek Improvements Project Urban Drainageway Program Application FY2023

Cost Estimate and Project Implementation Schedule

The total estimated cost for this project is approximately \$3,510,000. This includes an opinion of probable construction cost of approximately \$2,808,000 and an estimated \$702,000 in professional services for detailed design, bid phase services, and construction management.

In addition to the District's Urban Drainageway Program, the City will also submit applications for EPA 319 and Nebraska Environmental Trust (NET) grant funding in September of this year (2022). If this project is selected to receive Level 2 cost-share funding under the Urban Drainageway Program, Table 1 below summarizes how the proposed funding may be broken down between the District and the City of Bellevue and the anticipated timeline for design and construction.

Table 1: Project Expenditures and Anticipated Timeline				
Funding Entity	NRD FY and Project Activities			Total
	FY 2023 / FY 2024	FY 2024	FY 2025	
	RFP, Survey, Design, Permitting	Project Bid & Start Construction	End Construction & Project Close- Out	
P-MRNRD	\$295,000	\$602,500	\$602,500	\$1,500,000
City of Bellevue	\$197,000	\$906,500	\$906,500	\$2,010,000
Total	\$492,000	\$1,404,000	\$1,404,000	\$3,510,000

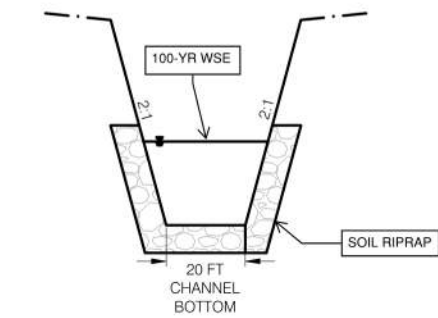
Environmental Acceptability Statement

The City acknowledges their responsibility to uphold and adhere to any and all environmental laws and regulations. A review of the EPA's NEPAAssist mapping tool did not show any EPA facilities or sites in the project area that are subject to environmental regulation. However, it is expected that construction activities for this project will be regulated under the Clean Water Act,

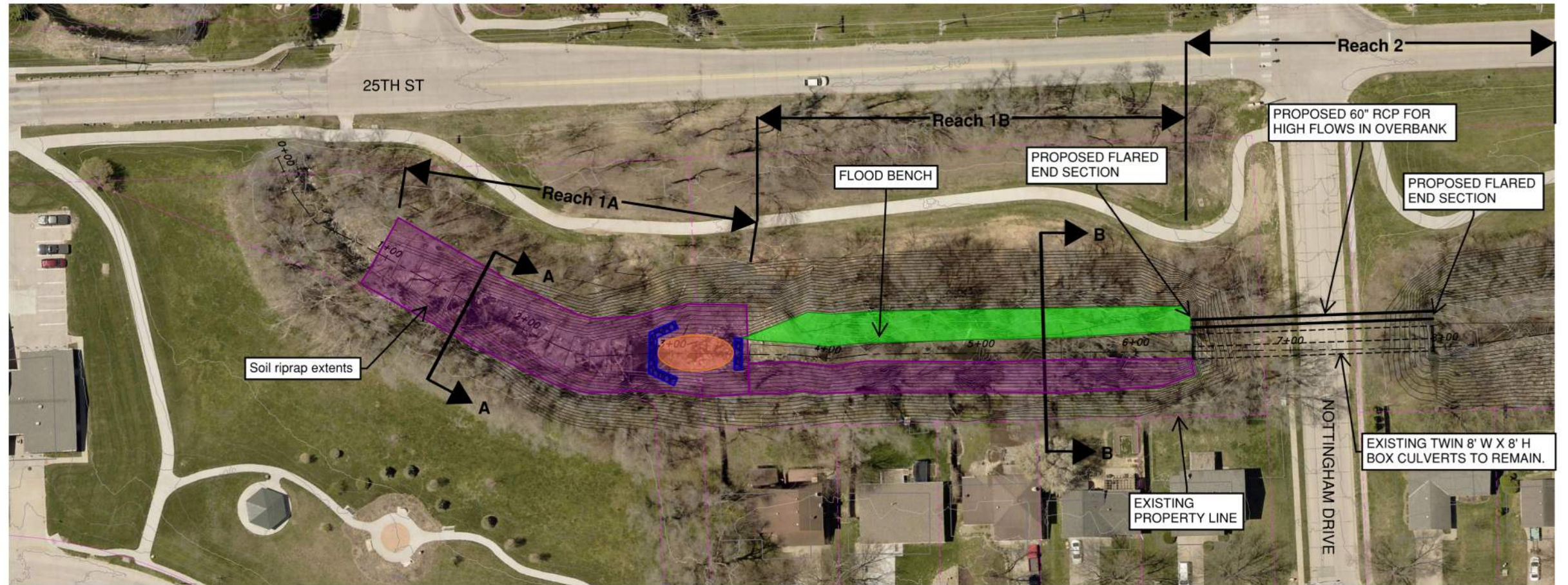
Preliminary Survey and Design Information

Jacobs Engineering utilized 2019 LiDAR data and other open-source GIS data to develop the conceptual design for this project (see attached Concept Plan and Profile). At detailed design, survey will be obtained to provide further definition of stream geometry and features (i.e. thalweg, top of slope, toe of slope, etc.) and to confirm location of utilities, sanitary sewers, storm sewers, and other critical assets.

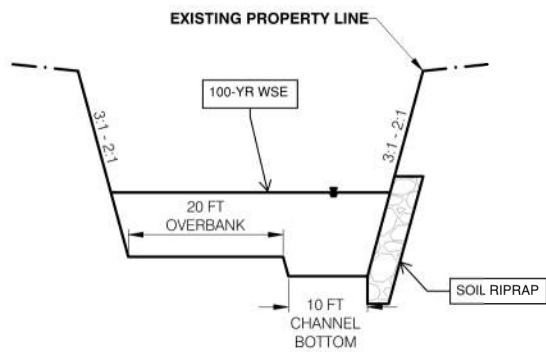
FILENAME: C:\Users\jvinesk\Desktop\Whitted Creek\CAD\Concept_P&P_Option1.dwg
DATE PLOTTED: 11/10/2021 11:41 AM DRAWN BY: XXX PLOT SCALE: 1:1



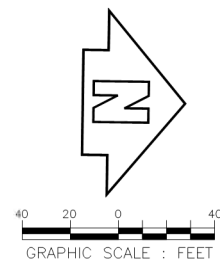
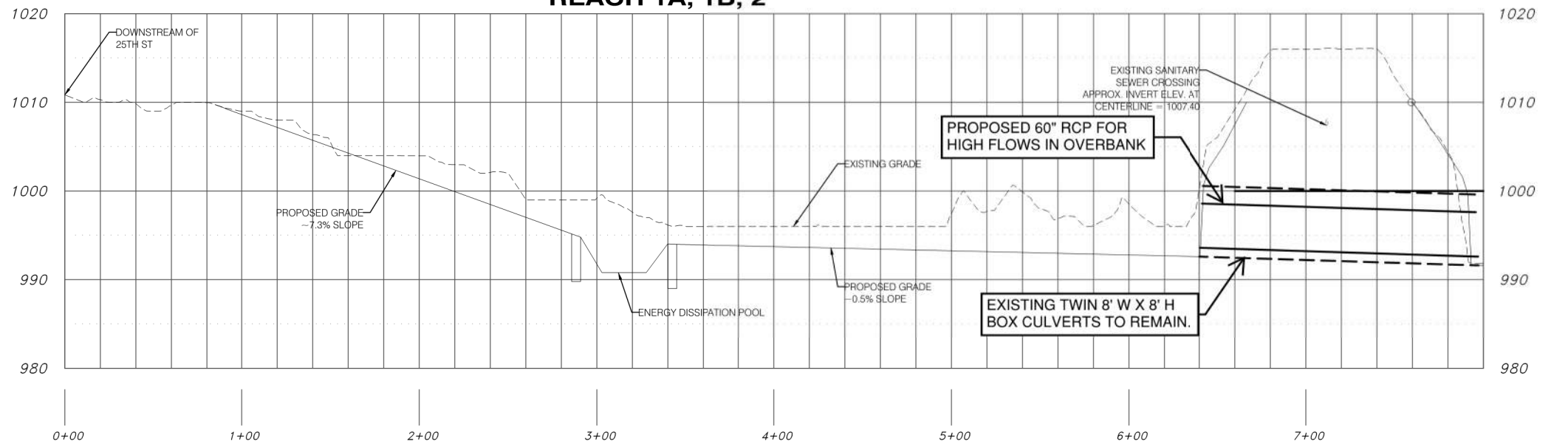
**CHANNEL CROSS SECTION
SECTION A-A
N.T.S**



**WHITTED CREEK
25TH ST - NOTTINGHAM DR
REACH 1A, 1B, 2**



**CHANNEL CROSS SECTION
SECTION B-B
N.T.S**



REVISIONS

WHITTED CREEK - CONCEPTUAL DESIGN

ALTERNATIVE 1

24

CITY OF BELLEVUE
PUBLIC WORKS DEPARTMENT

ISSUE DATE
XX/XX/XX
DESIGN BY
XXX
DRAWN BY
XXX

SHEET
---- OF XXX

Urban Drainageway Program - Application Form



Project name Hwy 75 channel Improvements.
Project location (attach location map) Highway 75 east side just South of Butler st.
Sponsor organization City of Blair, Nebraska.
Sponsor address 218 S. 16th street
City Blair State NE ZIP 68008
Contact person Al Schoemaker
Title Director of Public Works.
Email address ARS@blairnebraska.org Daytime phone 402-426-4191

Description of problem (attach additional sheets as needed)

Please see attached

Proposed solution (attach additional sheets as needed)

Please see attached.

Level of Design

Level 1



Level 2



Level 3



Total estimated cost

\$ 150,000

Cost share request

\$ 112,500

Signature

[Signature]

Date

2/22/22

Director of Public Works.

Title

FEB 25 2022



- Parcel is owned by the State of Nebraska and was purchased to be used as a drainage channel to take water away from Hwy 75 to the channel to the east.
- Over the years, the channel has filled with dense trees and sediment and the channel is no longer functioning as originally design. Water is ponding to the north and south of the channel instead of flowing to the east. Approximately 700 ft of channel needs to be cleared and sediment should be removed.
- Assume that the City of Blair will acquire all land rights/easements necessary for this project.
- Tree debris and excess sediment should be hauled off site to a location determined by the City of Blair. The site is located approximately 1.5 miles from the project location so roundtrip from site to disposal site would be 3 miles.
- Channel is approximately 20 feet wide and it is estimate that approximately 2.5 feet of material would need to be removed from the channel and the channel would need to be reshaped as per the following image. It is estimate that there is approximately 800 CY of excess material that should be removed and hauled off site from the area.

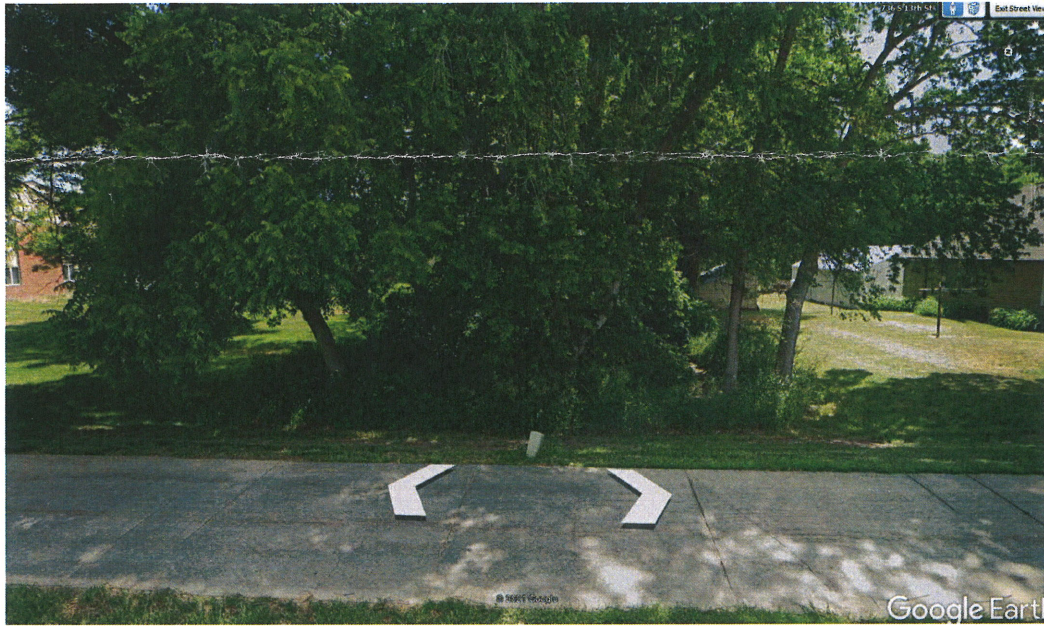
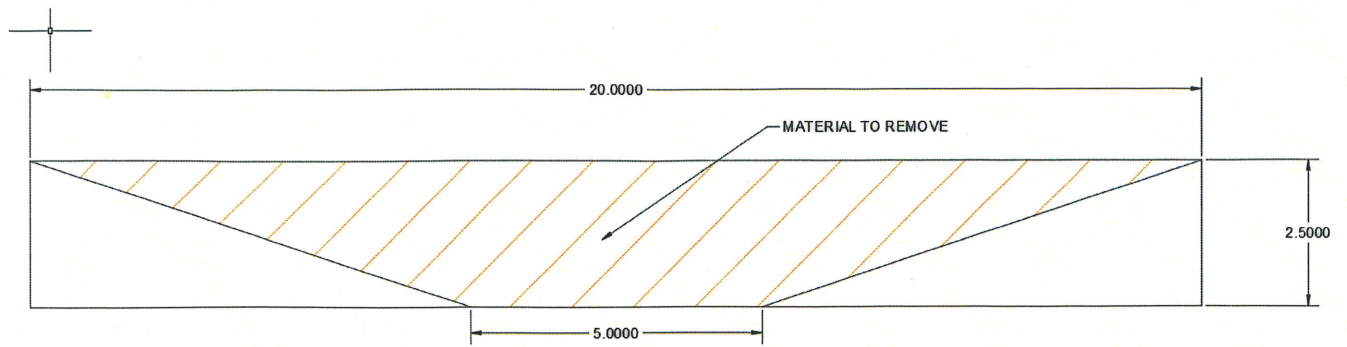


Image of channel looking east. Vegetation is consistent throughout the channel.

Construction Cost Estimate

No.	Description	Quantity	Unit	Unit Price	Total
1	Mobilization	1	LS		
2	Tree Removals	1	LS		
3	Sediment Removal and Channel Reshaping	800	CY		
4	Erosion Control Matting	2,200	SY		
5	Seeding	0.75	AC		
SUBTOTAL					
35% CONTINGENCY					
CONSTRUCTION TOTAL					



City of Blair Channel Cleanout
Stormwater Analysis - Hwy 75
Blair, Nebraska
FYRA Project No. 035-21-01

Prj Engr/Prj Mngr	Prj Mngr	El	Admin	
Rogers	Kaufman	(Varies)	Stratton	FYRA
\$220	\$170	\$140	\$90	Expenses

Tasks

							Total
Task 1 Project Management							
1.1	City/NRD Coordination Meeting (1 Meeting)	2.5					
1.2	Presentation to NRD Board (If Required)	2		4		\$25	
1.3	Agency Coordination	1	4				
1.4	Monthly Invoicing & Project/Schedule Updates (12)	3			3		
Project Management Task Total		\$1,870	\$680	\$560	\$270	\$25	\$3,405
Task 2 Stormwater Analysis							
2.1	Review Past Design Information from NDOT	2		8			
2.2	Channel Survey			10		\$1,000	
2.3	H&H Analysis for 5,10, 25, 50 and 100-year events	2		16			
2.4	Channel Analysis	2		16			
2.5	Drainage Report	4		12			
Stormwater Analysis Task Total		\$2,200	\$0	\$8,680	\$0	\$1,000	\$11,880
Task 3 Permitting							
3.1	Site Investigation	1	1	10		\$400	
3.2	Wetland/Stream Report		4	12			
3.3	Permit Application, Submittal, and Coordination		8	40			
Permitting Task Total		\$220	\$2,210	\$8,680	\$0	\$400	\$11,510
Task 4 Construction Documents							
4.1	Construction Documents	6		40			
4.2	Construction Specifications	4		8			
Construction Document Task Total		\$2,200	\$0	\$6,720	\$0	\$0	\$8,920
Subtotal Hours		25.5	17	164	3		
Subtotal Costs		\$5,610	\$2,890	\$22,960	\$270	\$1,400	\$33,130

Assumptions

Does not include grant application for Urban Drainageway Program and coordination with P-MRNRD on grant.
 Assumes that all work can be completed under a 404 nationwide permit.

Urban Drainageway Program – Application Form



Project name _____

Project location (attach location map) _____

Sponsor organization _____

Sponsor address _____

City _____ State _____ ZIP _____

Contact person _____

Title _____

Email address _____ Daytime phone _____

Description of problem (attach additional sheets as needed)

Proposed solution (attach additional sheets as needed)

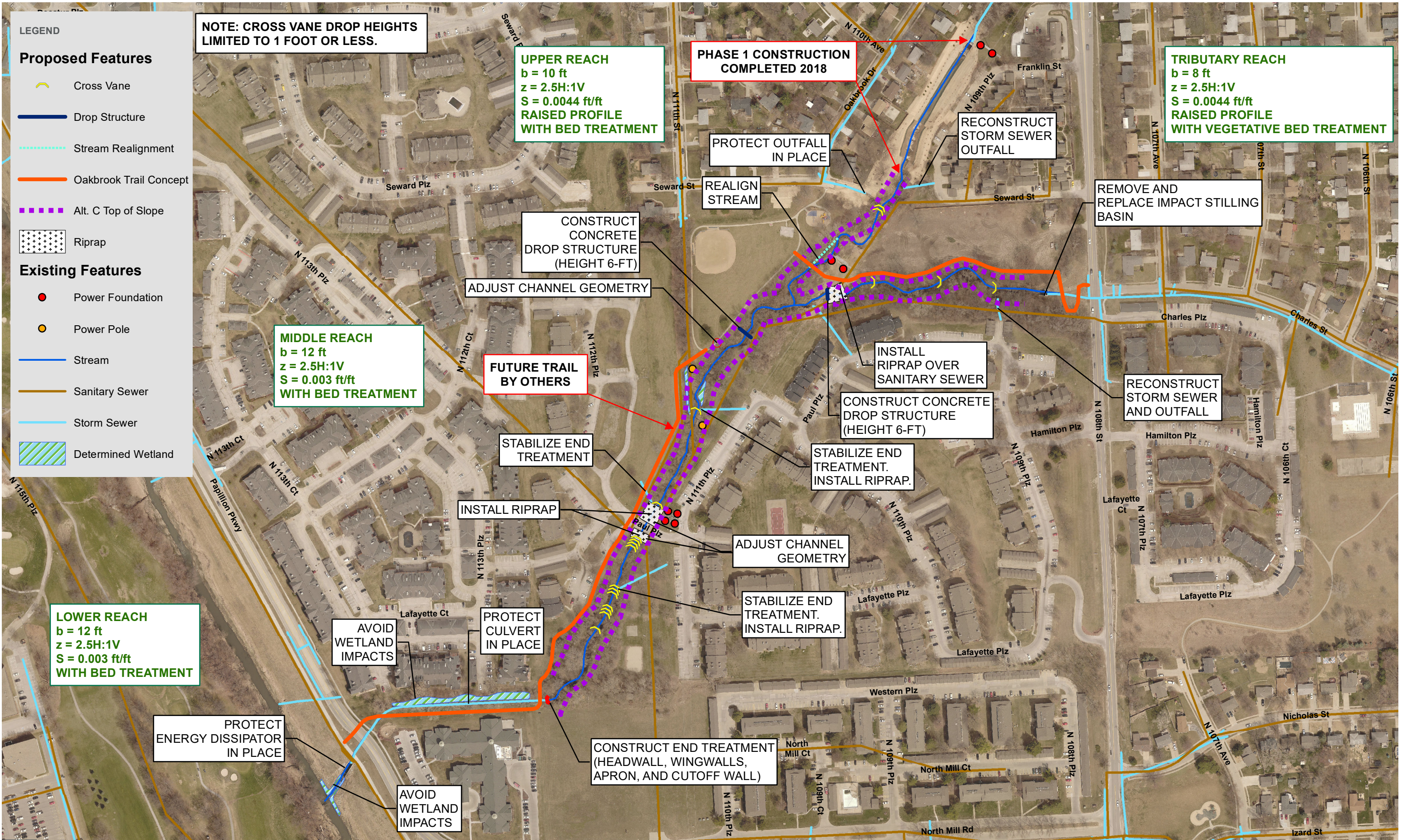
Level of Design Level 1 ☐ Level 2 ☐ Level 3 ☐

Total estimated cost \$ _____ Cost share request \$ _____

Signature

Date

Title



DATA SOURCE: City of Omaha, MAPA

ALTERNATIVE C CONCEPT DESIGN
OAKBROOK CHANNEL OUTFALL REPAIR PHASE II

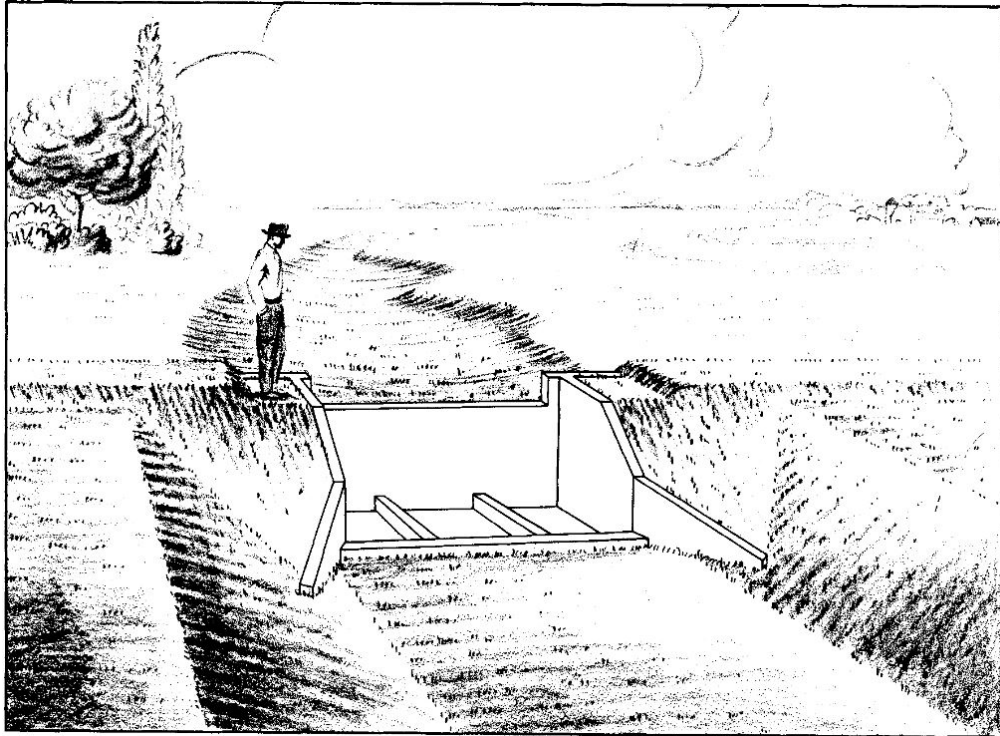
FIGURE 3



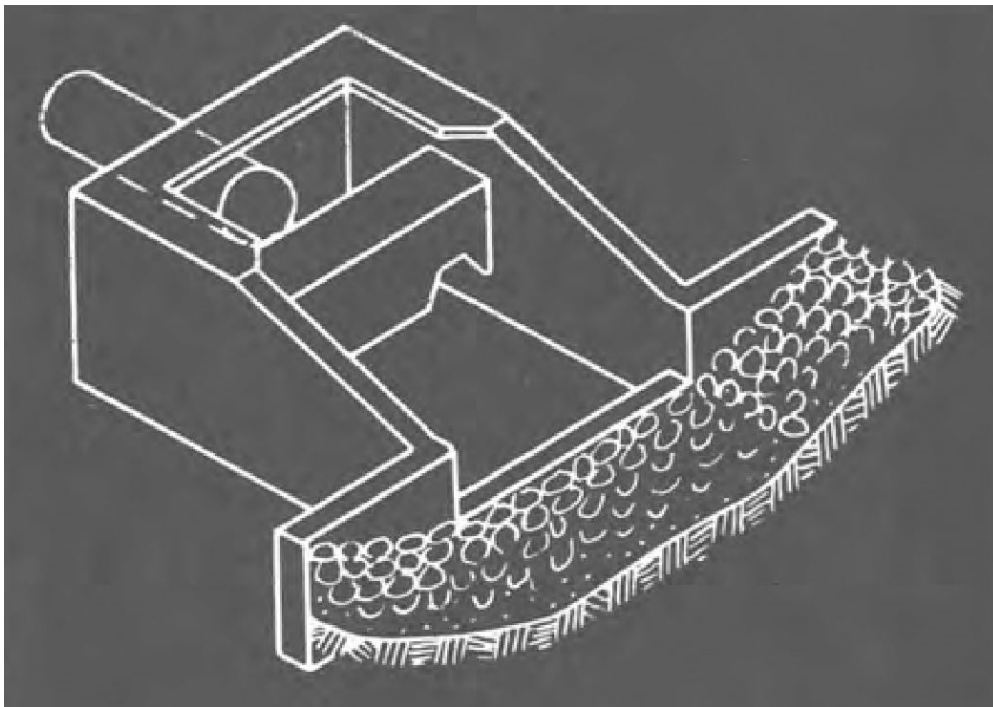
Photo 5. Tributary RS 0560: Looking at left bank failure just downstream of failed storm water outfall.



Photo 6. Tributary RS 0140: Aerial 8-inch DIP sanitary sewer crossing located just upstream of confluence with Oakbrook Channel (City Photo taken 4/24/2020).



Concrete Drop Structure Concept Image (Source: SCS Engineering Field Manual, Chapter 6)



Impact Stilling Basin Concept Image (Source: Bureau of Reclamation Research Report No. 24 Hydraulic Design of Stilling Basin for Pipe or Channel Outlets)



CONCRETE DROP STRUCTURE AND IMPACT STILLING BASIN OAKBROOK CHANNEL OUTFALL REPAIR PHASE II

FIGURE 5

Urban Drainageway Program – Application Form



Project name _____

Project location (attach location map) _____

Sponsor organization _____

Sponsor address _____

City _____ State _____ ZIP _____

Contact person _____

Title _____

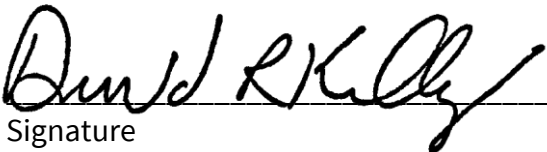
Email address _____ Daytime phone _____

Description of problem (attach additional sheets as needed)

Proposed solution (attach additional sheets as needed)

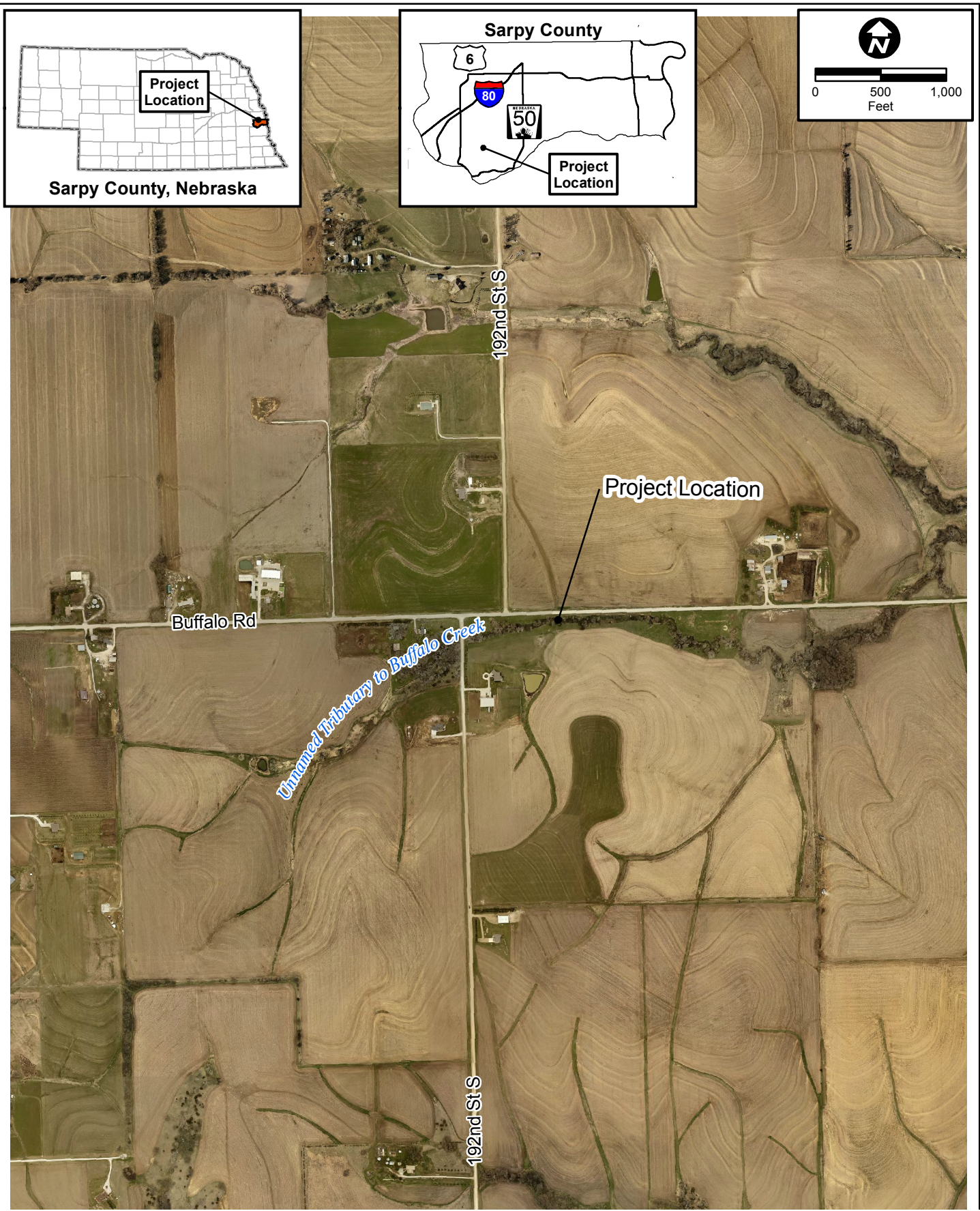
Level of Design Level 1 ☐ Level 2 ☐ Level 3 ☐

Total estimated cost \$ _____ Cost share request \$ _____


Signature

Date

Title



Project Location

Sarpy County
192nd and Buffalo Road

34

DATE

May 2014

FIGURE

1

BUFFALO ROAD - ALTERNATIVE B - STREAM RESTORATION
SARPY COUNTY
ESTIMATED CONCEPT QUANTITIES



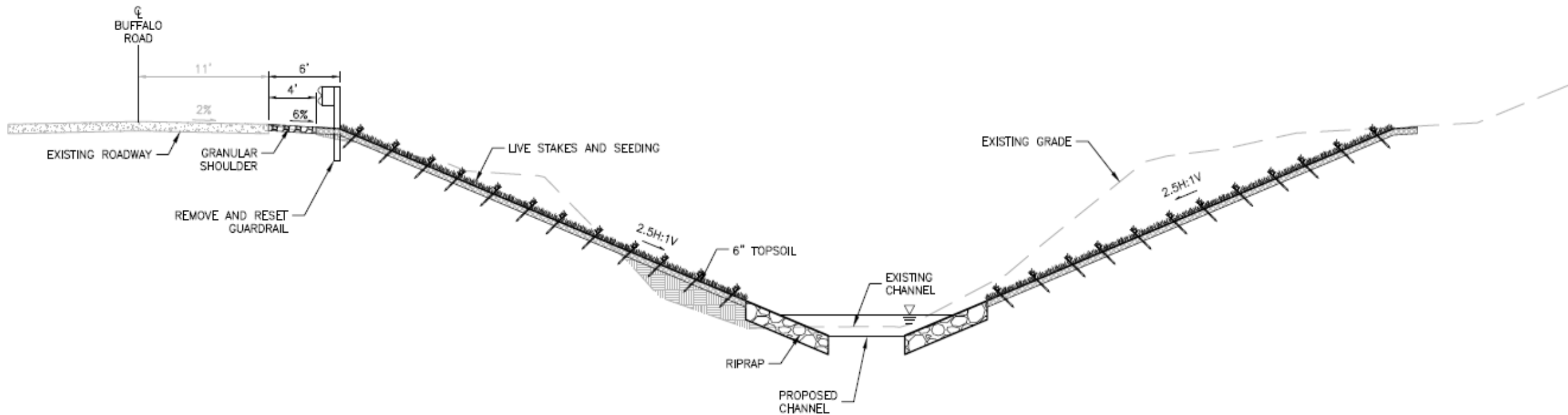
Key features:

- ROW required from 2 properties
- USACE ("Corps") Permitting
- Grade Stabilization at Bottom

Total Estimated Cost: \$2,152,610

NRD Grant Request: \$1,291,566

County Projected Net Cost: \$ 861,044



BUFFALO ROAD - ALTERNATIVE A - STREAM REHABILITATION

SARPY COUNTY

ESTIMATED CONCEPT QUANTITIES



Item No.	Item	Unit	Unit Price	Quantity	Cost	Total
	QUALIFIED COSTS					
1	MOBILIZATION / DE-MOBILIZATION	LS	\$ 110,000	1	\$ 110,000	\$ 110,000
2	GENERAL CLEARING AND GRUBBING	LS	\$ 22,500	1	\$ 22,500	\$ 22,500
3	TREE REMOVAL	EACH	\$ 1,000	125	\$ 125,000	\$ 125,000
4	REMOVE AND EXTEND STORM SEWER	LS	\$ 10,000	1	\$ 10,000	\$ 10,000
	REMOVE ROCK RIPRAP	TON		91		
	REMOVE AND REPLACE 36" CMP CULVERT PIPE	LF		45		
	LENGTHEN CMP CULVERT PIPE (30" AND 36")	LF		27		
	REMOVE AND REPLACE 7" TILE LINE	LF		53		
5	REMOVE AND REPLACE FENCE	LF	\$ 15.00	2,800	\$ 42,000	\$ 42,000
6	EXCAVATION (ESTABLISHED QUANTITY)	CY	\$ 15.00	15,900	\$ 238,500	\$ 238,500
7	HAUL OFF	CY	\$ 35.00	12,600	\$ 441,000	\$ 441,000
8	SALVAGING AND PLACING TOPSOIL	SY	\$ 1.10	10,800	\$ 11,880	\$ 11,880
9	ROCK RIPRAP	TON	\$ 80.00	2,300	\$ 184,000	\$ 184,000
10	GEOTEXTILE	SY	\$ 5.00	4,100	\$ 20,500	\$ 20,500
11	SEEDING	SY	\$ 1.50	22,100	\$ 33,150	\$ 33,150
12	LIVE STAKING	EACH	\$ 7.50	22,000	\$ 165,000	\$ 165,000
13	EROSION CONTROL BLANKET	SY	\$ 4.40	3,700	\$ 16,280	\$ 16,280
14	GRADE CONTROL STRUCTURE	EACH	\$ 19,400	4	\$ 77,600	\$ 77,600
					\$ -	\$ -
					SUBTOTAL	\$ 1,497,410
					CONTINGENCY (25%)	\$ 374,400
					CONSTRUCTION COSTS	\$ 1,871,810
					ENGINEERING	\$ 280,800
					TOTAL QUALIFIED COSTS	\$ 2,152,610

Recreation Area Development Program – Application Form

Project name Tim Ohrt Park Improvements

Project location (attach location map) Bennington - east of Allen Street, north of Bennington Road

Sponsor organization City of Bennington

Sponsor address 15505 Warehouse Street

City Bennington State NE ZIP

Contact person Mindi Laacker

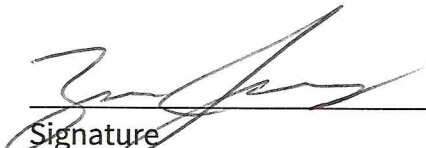
Title Clerk

Email address clerk@benningtonne.com Daytime phone 402.238.2375

Description of project (attach additional sheets as needed)

See Attached Page

Total estimated cost \$ 221,370 Cost share request \$ 50,000.00


Signature

3/14/2022
Date

Mayor
Title

Tim Ohrt Park – Grant Application Attachment

Project Description:

The Tim Ohrt Park Project includes the installation of an access road in the northwest corner of the park starting at N. Second and Allen Street intersection and a parking lot including 17 parking spaces (1 accessible stall). New equipment for the park includes a large jungle gym, an all-inclusive handicap accessible merry-go-round and a climbing webscape. A new sidewalk will lead parkgoers to the existing shelter and all new play structures. Future plans include extending the accessible walk to the existing Bennington Road sidewalk.

Existing Park Information:

Tim Ohrt Park is a neighborhood park located on the east side of Bennington, north of Bennington Road and east of Allen Street. There are three access points to the park. The primary entrance is located on Bennington Road, east of a tributary of the Big Papillion Creek, which leads to a crushed rock parking lot with space for approximately 40 vehicles and no designated handicap accessible spaces. The two other entrances provide pedestrian access and are located at the south end of the park along Bennington Road and in the northwest corner of the park at the east end of North Second Street - both are west of the tributary. The park is divided diagonally, northwest to southeast, by the tributary, with the two portions connected by a narrow pedestrian bridge. Both portions of the park consists of a nearly-level playing area with trees lining the perimeter. Open spaces are ideal for youth sports teams playing and practicing football, soccer and baseball - backstop included. Other playsets, a climber, swings, teeter-totters and benches are provided in the park. Pole lights provide lighting around a picnic shelter and near the northwest entrance.

Attachments to this application:

- Site Location Maps (from DOGIS)
- Excerpt from Bennington Master Park Plan related to Tim Ohrt Park
- Tim Ohrt Park Site Plan
 - Concept drawing of new play structures
 - Photo of Tim Ohrt Park today
- Opinion of Cost
 - Grant eligible costs
 - City only costs



ENGINEER'S OPINION OF PROBABLE COST - 30% DESIGN

Tim Ohrt Park Improvements - Grant Eligible Costs

Bennington NE

JEO Project No. 090034.07

Date Prepared:

March 9, 2022

**ESTIMATE OF QUANTITIES**

Item #	Description	Unit	Quantity	Unit Price	Total
GROUP A - Grading & Storm Sewer Work					
1.	Mobilization	LS	1	\$5,400.00	\$5,400
2.	Earthwork Measured in Embankment (Established Quantity)	CY	1,950	\$17.00	\$33,150
3.	Clearing and Grubbing	LS	1	\$5,000.00	\$5,000
4.	48" Dia. Concrete Manhole	VF	4.5	\$1,000.00	\$4,500
5.	Concrete Collar	EA	1	\$350.00	\$350
6.	15" RCP, Class III	LF	163	\$60.00	\$9,780
7.	15" RCP Flared End Section	EA	1	\$750.00	\$750
8.	Construction Entrance	EA	1	\$2,000.00	\$2,000
9.	Silt Fence, High Porosity	LF	400	\$2.50	\$1,000
10.	Rock Riprap, NDOR Type B	TONS	8	\$90.00	\$720
11.	Seeding, Fertilizer and Mulch	ACRE	1.40	\$5,000.00	\$7,000
12.	Erosion Control Mat	SY	715	\$3.21	\$2,298
13.	Cover Crop Seeding	ACRE	0.80	\$750.00	\$600

Construction Subtotal Group A \$72,550

Contingency 10% \$7,260

Total Opinion of Construction Cost - Group A \$79,810**GROUP B - Paving Work**

1.	Mobilization	LS	1	\$2,000.00	\$2,000
2.	5" Concrete Sidewalk	SF	2,970	\$8.00	\$23,760

Construction Subtotal Group B \$25,760

Contingency 10% \$2,580

Total Opinion of Construction Cost - Group B \$28,340**GROUP C - Playground Equipment and surfacing**

1.	Mobilization	LS	1	\$3,000.00	\$3,000
2.	Kids Choice Flyer Play Structure	EA	1	\$40,000.00	\$40,000
3.	Inclusive Whirl	EA	1	\$12,150.00	\$12,150
4.	Webscapes Pegasus	EA	1	\$16,700.00	\$16,700
5.	Installation	LS	1	\$17,500.00	\$17,500
6.	Edging (wood or plastic timbers)	LF	272	\$6.50	\$1,768
7.	Wood Chip Surfacing	CY	91	\$100.00	\$9,074
8.	Weed barrier fabric (under surfacing)	SY	544	\$5.00	\$2,722

Construction Subtotal Group C \$102,920

Contingency 10% \$10,300

Total Opinion of Construction Cost - Group C \$113,220

Construction Subtotal - All Groups \$201,230

Contingency \$20,140

Total Opinion of Construction Cost - All Groups \$221,370**FUNDING SOURCES**

1.	Papio Missouri River NRD Grant (will be applied for in February 2022)	23%	\$50,000
2.	Local Fundraising (in account as of Feb 28, 2022)	25%	\$55,685
3.	City of Bennington	52%	\$115,685
Total Funding Sources			\$221,370

JEO Consulting Group Inc.'s (JEO) Opinions of Probable Cost provided for herein are to be made on the basis of JEO's experience and qualifications and represent JEO's best judgment. However, since JEO has no control over the cost of labor, materials, equipment, or services furnished by others, or over the Contractor's methods of determining prices, or over competitive bidding or market conditions, JEO cannot and does not guarantee that proposals, bids, or actual construction cost will not vary from Opinions of Probable Cost prepared by JEO.

Recreation Area Development Program - Application Form



Project name Adams Street Plaza – Band Shell

Project location: Fort Calhoun, NE

Sponsor organization: City of Fort Calhoun

Sponsor address 110 S. 14th Street

City Fort Calhoun State NE ZIP 68023

Contact person Deb Sutherland

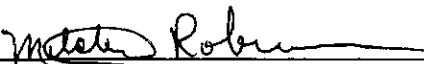
Title City Administrator

Email address administrator@fortcalhoun.org Daytime phone 402-468-5303

Description of project (attach additional sheets as needed)

36 x 36 band shell will have a single slope metal roof, along with decorative lighting for nighttime events. This band shelter will be used for an outdoor performance space. Please see attached exhibit A of this application for complete details.

Total estimated cost \$216,700 Cost share request \$ 50,000


Signature

14 MAR 22
Date

Mayor
Title

Project Description:

The proposed band shelter project will complete Phase 8 of the master park plan. This outdoor performance space, with the grass lawn area will accommodate an audience of 250-300 people. This covered stage will provide a shaded area for small musical acts, movie nights, speakers, and community presentations. The stage area can also serve as an on-air picnic and events center. The 36 x 36-foot shelter will have a single slope metal roof, matching the shade shelter currently installed, along with decorative lighting for nighttime events. The shelter will be open in its north, west, and south sides. A solid wall on the shelter's east side will create a solid backdrop for the stage. The wall will be part of a structure that includes two single-occupancy restrooms and an electrical/mechanical room. Doors for the two restrooms will be on the structure's east side, closest to the splash pad. The restroom facility is being constructed utilizing a combination of donated labor and materials purchased by the city.

The city has completed a master park plan for this new area (attached to this application). The city continues to work on other phases, as funding becomes available. The current completed phases were accomplished with various funding from local fundraising efforts, private donations, city funds, and grants including a Recreation Development grant and Trail Assistance grant from the Papio Missouri River NRD.

Phase 1:

- City improvements, demolition of old city shop building, grading, drainage, and water infrastructure.

Phase 2 and 3:

- Splash pad along with landscaping and site furnishing's, shaded picnic area and toddler play area (opened May 2021).

Phase 4:

- Bike trail with site lighting is currently in design on with a completion date of summer of 2022.

Phase 8: (Has been moved up in priority due to community support and need)

- Restroom structure and event lawn is currently in design and with a planned completion of summer of 2022. Restroom structure is planned to utilize a mix of donated labor with materials purchased with city funds.
- Band shelter would complete Phase 8. Band shelter is in design and will be ready for a summer of 2022 completion pending funding availability. This portion of Phase 8 is being requested within this current grant application.

Project schedule:

Notice of Grant Award: April 2022

Project Design: April 2022

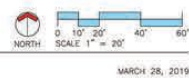
Project Bidding: June 2022

Project Construction: Summer of 2022

Project Closeout/Funding Request: October 2022



ADAMS STREET CORRIDOR - PARK MASTER PLAN
FORT CALHOUN, NEBRASKA



MARCH 28, 2019





Figure 1- (Looking west) Where the port-a-potties are located, the restrooms will be built to the left of the trail, facing east, towards the splash pad. The band shell is proposed to be built on the west side of the restrooms



Figure 2- (Looking East) The band shell will face west, opening to the event lawn shown above which will be completed with this phase. Please note the new decorative trail lighting along the border of the park, this is part of the trail completion happening this spring. The existing power poles will be removed spring 2022.

Recreation Area Development Program – Application Form

Project name Gretna Crossing Park - Public Restrooms

Project location (attach location map) 21280 Capehart Road

Sponsor organization City of Gretna, Nebraska

Sponsor address 204 North McKenna P.O. Box 69

City Gretna State NE ZIP 68028

Contact person Paula Dennison

Title City Administrator

Email address Paula@cityofgretna.com Daytime phone (402) 332-3336

Description of project (attach additional sheets as needed)

The City of Gretna, Nebraska is requesting \$50,000 from the PMNRD to cost-share the construction of a new, 550± square foot public restroom facility at Gretna Crossing Park. This new facility will be fully ADA accessible and constructed with minimal maintenance materials. See attached.

Total estimated cost \$ 348,508 Cost share request \$ 50,000

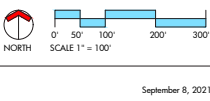

Signature

3.15.2022
Date

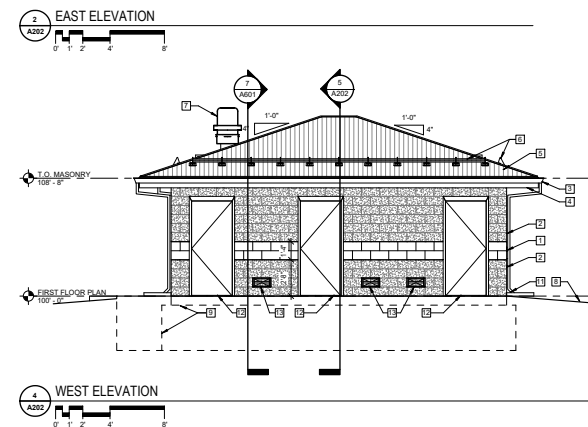
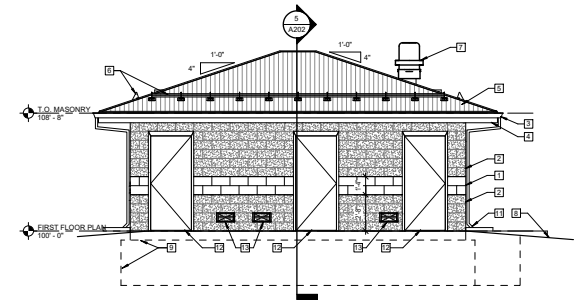
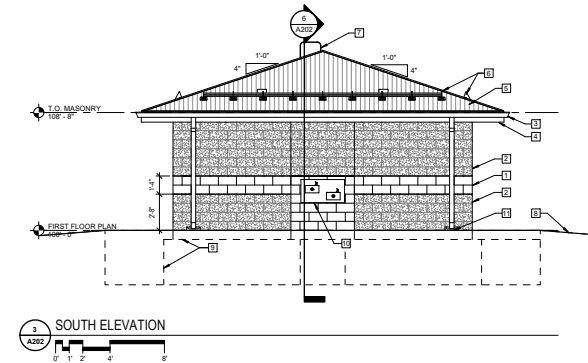
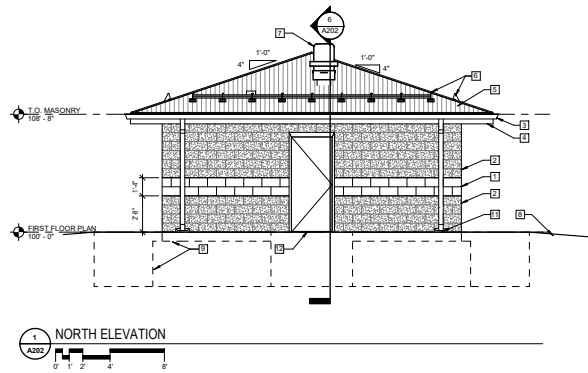
Mayor, City of Gretna, NE
Title



GRETNA CROSSING PARK - MASTER PLAN
GRETNA, NEBRASKA



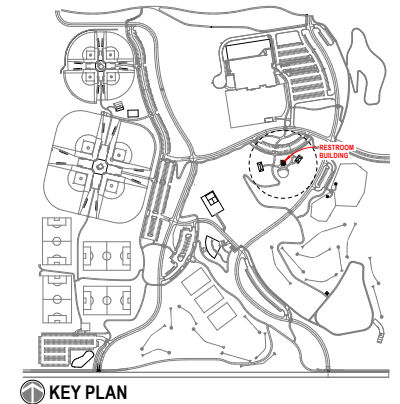
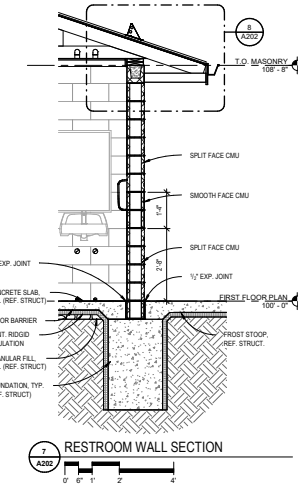
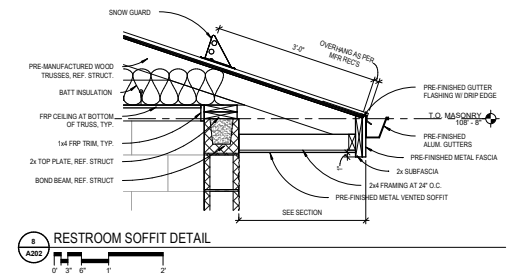
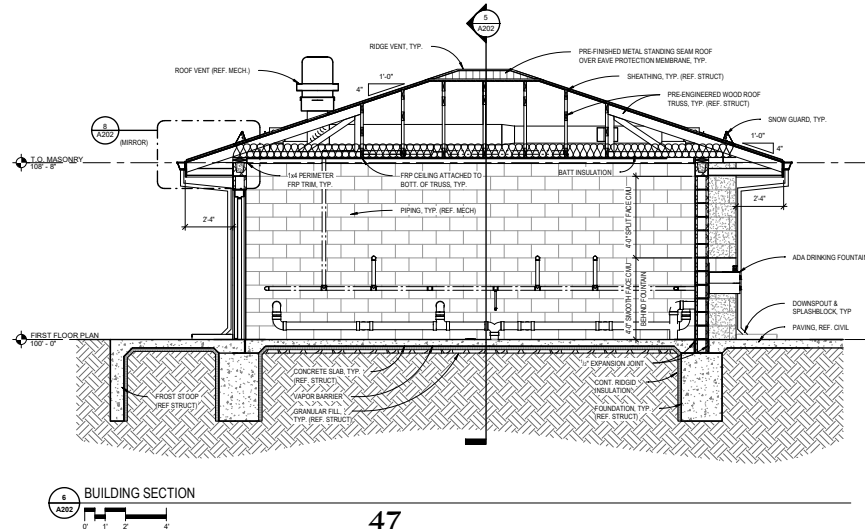
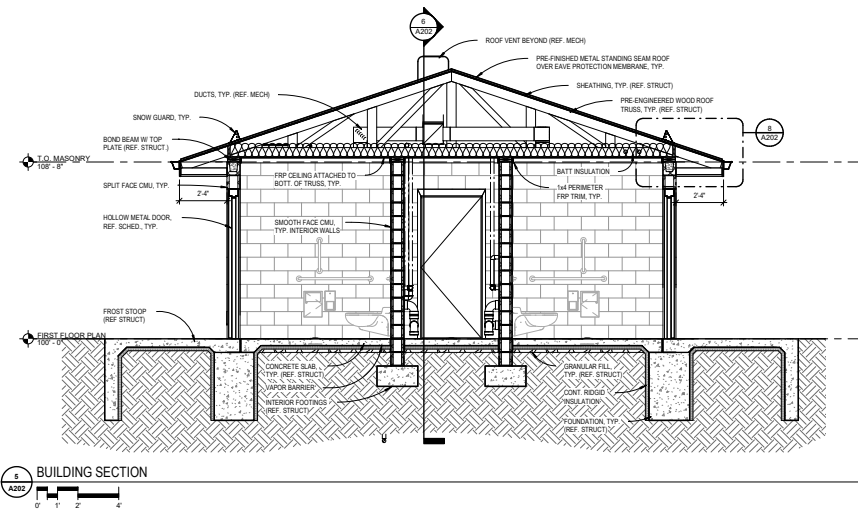
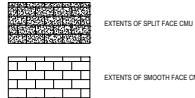
September 8, 2021



KEYED ELEVATION NOTES

1	SMOOTH FACE CMU, TYP.
2	SPLIT FACE CMU, TYP.
3	PRE-FINISHED METAL GUTTER, TYP.
4	PRE-FINISHED METAL FASCIA, TYP.
5	PRE-FINISHED STANDING SEAM METAL ROOF, TYP.
6	SNOW GUARD, TYP.
7	ROOF VENT, TYP. (REF. MECH.)
8	GRADE, TYP. (REF. CIVIL)
9	PAVED LINES INDICATE FOUNDATION BELOW GRADE, TYP. (REF. STRUCT.)
10	ADA WATER COOLER (REF. MECH.)
11	DOWNSPOUT & SPLASHBLOCK, TYP. (REF. CIVIL)
12	HOLLOW METAL DOOR, TYP. (REF. DOOR SCHED.)
13	LOUVER (REF. MECH.)

MATERIAL KEY



**Opinion of Probable Cost:**

Gretna Park - Restroom Building

March 14, 2022

Prepared by:

JEO Architecture, Inc.

Project Data: Gretna Crossing Park Restroom

Structure Type: CMU Block

Floor Area: 550 square feet

Contact:Corey E Brodersen, AIA, NCARB
Project Manager

NEW BUILDING							
A- Substructure	550	sqft	@	\$40.00	/	sqft	= \$22,000
B-Shell	550	sqft	@	\$250.00	/	sqft	= \$137,500
C- Interiors	550	sqft	@	\$25.00	/	sqft	= \$13,750
D - Mechanical , Plumbing	550	sqft	@	\$85.00	/	sqft	= \$46,750
E- Electrical	550	sqft	@	\$101.00	/	sqft	= \$55,550
F- Site Utilities, Paving and Grading	550	sqft	@	\$50.00	/	sqft	= \$27,500
Subtotal Construction Cost Estimate:							\$303,050
Total Construction w/ mark-up:							\$303,050
15% Contingency							\$45,458
Total Construction w/ Contingency:							\$348,508
Cost per Square Foot							\$551.00
Cost per Square Foot w/ Contingency							\$633.65

Recreation Area Development Program – Application Form

Project name Jay Cee Park Playground Improvements

Project location (attach location map) 7311 Harvest Hills Dr.

Sponsor organization City of La Vista

Sponsor address 9900 Portal Road

City La Vista State NE ZIP 68128

Contact person Jason Allen

Title Park Superintendent


Email address jallen@cityoflavista.org Daytime phone 402-331-8927

Description of project (attach additional sheets as needed)

See attached project description
Construction is anticipated in fall of 2022

Total estimated cost \$ 100,000

Cost share request \$ 50,000


Signature

03/15/22
Date

Park Superintendent
Title



**Jay Cee Park
Playground Improvements
Project Description**

Location: The proposed Jay Cee Park Playground Improvement project is located in the city of La Vista, NE. The address to the park is 7311 Harvest Hills Dr. and the project is on the south end of the park. (See attached map)

Purpose: The Jay Cee Playground project is designed to improve the quality of recreation area in Jay Cee Park, while ensuring those spaces remain a safe and healthy way for the citizens to appreciate nature for the distant future. The city conducted a Mini Park Plan in 2010, a part of that plan is to help improve and replace old existing unsafe equipment in the parks while maintaining the open green space. This project is a part of that park plan as shown in the attached document. The existing playground equipment is over 40 years old and is in dire need of replacement. This improvement would provide the citizens in that part of town generations of park open space in the City of La Vista.

Scope: The plan for improvements will consist of removal of all of the old equipment and replacing it with new equipment. The existing play areas include 2 swing sets, a merry go round, 2 slides and teeter totter with no containment of the wood chips around the equipment. The new playground area will be 51'x91' and provide play structures for children 2-12 years old. The area will be regraded, drainage added to the base, an 8"x10" concrete ring wall will be installed, and landscape fabric will be installed under the wood fiber mulch. The ring wall will ensure that we reduce runoff and migration of the wood chips to unwanted areas in the neighborhood. A new 100'x5' sidewalk will be installed connecting the playground to the sidewalk to the west to make the playground area handicap accessible.

Schedule: The project is tentatively scheduled for the fall of 2022 depending on equipment and contractor availability.

Estimated Cost: The estimated cost of the project is \$99,461.00. The City of La Vista will be performing the demolition and removal of the old equipment.

City Hall
8116 Park View Blvd.
La Vista, NE 68128-2198
402.331.4343 P
402.331.4375 F

**Community
Development**
8116 Park View Blvd.
402.593.6400 P
402.593.6445 F

Library
9110 Giles Rd.
402.537.3900 P
402.537.3902 F

Police
7701 S. 96th St.
402.331.1582 P
402.331.7210 F

Public Works
9900 Portal Rd.
402.331.8927 P
402.331.1051 F

Recreation
8116 Park View Blvd.
402.331.3455 P
402.331.0299 F



Jaycee Park (Neighborhood Park)

La Vista, NE

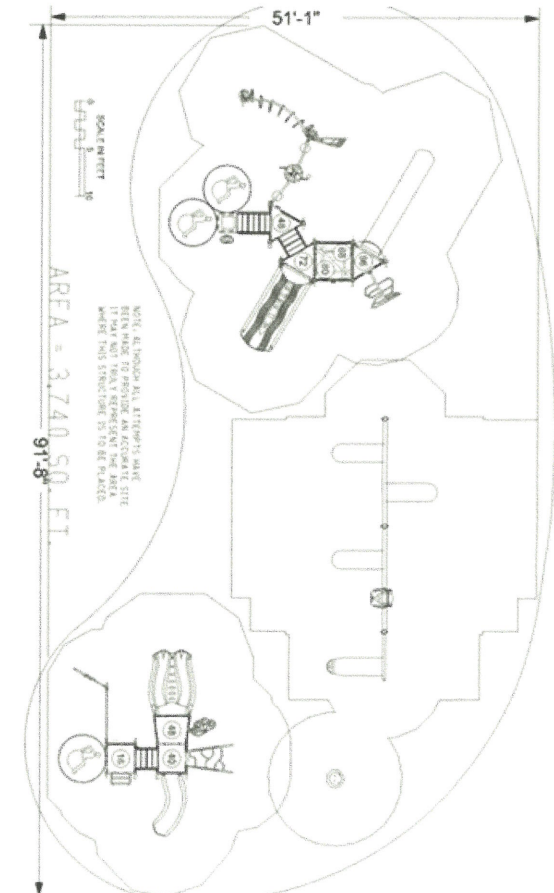
201.04.0001
BUDGET: \$1,000,000

Conceptual Site Layout Plan

Beringer Ciaccio Dennell Mabrey
architecture • landscape architecture • interior design • construction management



OMAHA • DES MOINES



Recreation Area Development Program – Application Form



Project name Garden Street Park Playground Renovation

Project location (attach location map) 310 Garden Street

Sponsor organization City of Papillion, Nebraska

Sponsor address 122 E. 3rd Street

City Papillion State NE ZIP 68046

Contact person Tony Gowan

Title Parks and Facilities Director

Email address tgowan@papillion.org Daytime phone 402-597-2049

Description of project (attach additional sheets as needed)

This project would see the complete renovation of a 40 year old
playground in the heart of Papillion. New play equipment, benches,
concrete sidewalks and rubber underlayment are featured.

Total estimated cost \$ 95,000.00

Cost share request \$ 47,500.00


Signature

3/10/2022

Date

Parks and Facilities Director

Title

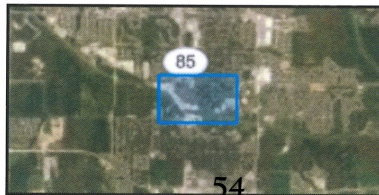


Esri, Inc., City of Naperville, Illinois | Esri, Inc., Sarpy County, Nebraska

0 500 1000
ft

Map Scale 1: 9028

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54

Notes



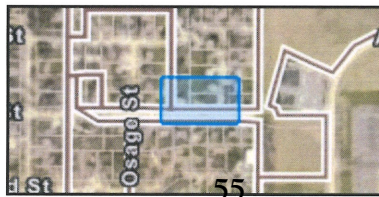


Esri, Inc., City of Naperville, Illinois | Esri, Inc., Sarpy County, Nebraska



Map Scale 1: 564

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Notes



QUOTATION



Creative Sites, LLC

11506 Pierce Street

Omaha, Ne 68144

402-614-4606

DATE: August 4, 2021

Customer: City of Papillion
Attn: Tony Gowan
122 E 3rd Street
Papillion, NE 68046

Project: Garden Street Park

BCI Burke Playground Equipment:

Synergy Play Structure Ages 5-12

\$ 20,984.00

2 ea. 8' In-ground Bench

\$ 1,320.00

Freight

\$ 1,890.00

Equipment Total

\$ 24,191.00

Ecoturf Surfacing:

1,287sf 50/50 Black Color Mix for 8' Fall Height

\$ 16,731.00

Installation:

\$ 26,202.50

Project Total

\$ 67,124.50

****Sales tax is not included.**

****This quotation is good for 90 days.**

****Delivery is 4 weeks ARO.**

****Net 30.**

Julie Kutilek
Creative Sites, LLC

Accepted by

Recreation Area Development Program – Application Form



Project name South Sioux City Covington Park Playground

Project location (attach location map) 501 West 4th St. South Sioux City, NE

Sponsor organization City of South Sioux City

Sponsor address 1615 First Ave.

City South Sioux City State NE ZIP 68776

Contact person Gene Maffit

Title Parks Director

Email address gmaffit@southsiouxcity.org Daytime phone 402-494-7540

Description of project (attach additional sheets as needed)

See attached

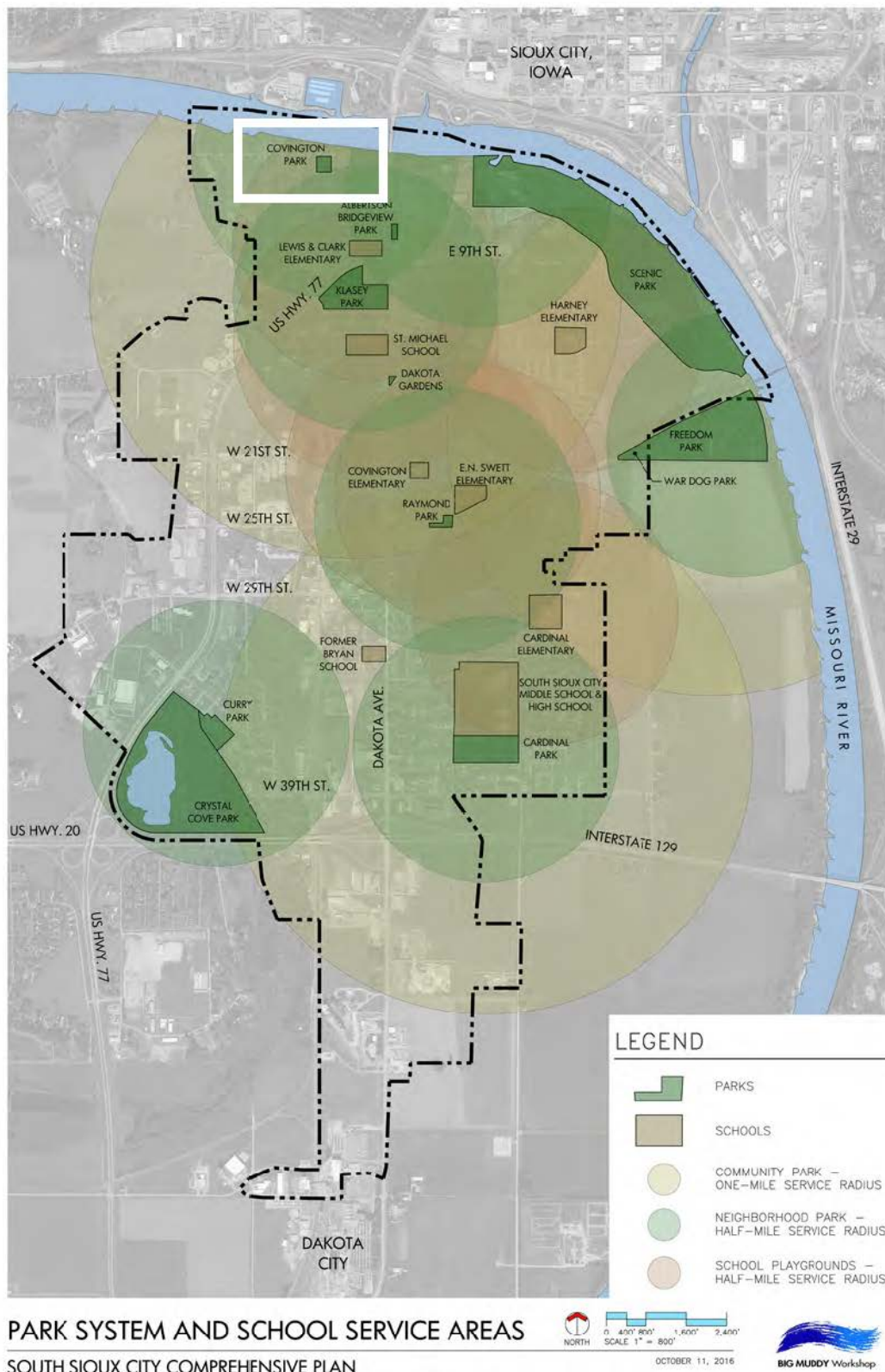
Total estimated cost \$ 170,000 Cost share request \$ 50,000


Signature

03/16/2022
Date

Lance Hedquist, City Administrator
Title

Map 1: Park System and School Service Areas



South Sioux City Covington Park Playground

Project Description

South Sioux City's Covington Park requires a new set of playground equipment. The City's growing population includes many parents who seek the safe, affordable recreational activities a new playground set will provide for children.

Replacement of playground equipment is a specific recommendation in the City's comprehensive Plan (see attached) and aligns with Nebraska's Statewide Comprehensive Outdoor Recreation Plan (SCORP). Data and analysis from both plans indicate high demand for new playground equipment and predict long-lasting benefits for residents and visitors. The new playground equipment will include industry-standard accessibility and safety measures, including a safer poured-in-place rubber surfacing beneath the play structure.

Budget

The budget estimate of \$170,000 includes anticipated increase in vendor costs. The City has experienced cost increases in many areas, and the estimate is a reasonable projection. A current cost estimate was not available at time of application.

Total Cost: \$170,000; NRD Cost Share: \$50,000; City Share: \$120,000

Implementation Schedule

The City will select a vendor using standard procurement processes. Expected completion time is roughly 10-14 days, weather permitting, after all procurement standards are met. The project timeline will be provided by the contractor and approved by City Parks Director, Gene Maffit.



GameTime c/o Cunningham Recreation
 PO Box 240981
 Charlotte, NC 28224
 800.438.2780
 704.525.7356 FAX

04/27/2021
 Quote #155147-01-02

Covington Park Option 2

Quantity	Part #	Description	Unit Price	Amount
(1) 178749 -- Owner's Kit				
1	INSTALL	MISC - Installation of Above Equipment	\$20,750.00	\$20,750.00
1	INSTALL	MISC - Site Work-	\$19,010.00	\$19,010.00
		<ul style="list-style-type: none"> • Removal and disposal of existing EWF • 4" stone fill in for approximately 1,585 Sq Ft • Concrete curbing for approximately 164 LF • Drainage 		
1	INSTALL	MISC - Removal and Disposal of Existing Equipment	\$5,680.00	\$5,680.00
1845	POURED	GT-Impax - Poured In Place Safety Surfacing at Multiple Depths, per Sq Ft-	\$19.93	\$36,770.85
		<ul style="list-style-type: none"> • 1,555 Sq Ft at 2.5" Thick for 6' CFH • 290 Sq Ft at 5" Thick for 12' CFH • 50% Standard Color / 50% Black • 4" Stone sub-base • Site security • Dumpster • Installation • Freight 		
<p>-</p> <p>An additional \$742.00 in taxes will be added to the total of this quote if the Designated Exempt Entity fails to register the project through the Iowa Department of Revenue at https://www.idr.iowa.gov/taxexemption/ and as a result fails to supply Gametime with a tax exempt certificate that is generated through this website.</p>				
Contract: OMNIA			Sub Total	\$154,743.85
			Discount	(\$17,206.80)
			Material Surcharge	\$5,713.55
			Freight	\$3,428.82
			Total	\$146,679.42

Comments

*Site must be clear, level, free of obstructions and accessible.

Trails Assistance Program – Application Form

Project name West Maple Road Trail Segment Phase 1

Project location (attach location map) See attached concept plan prepared by Lamp Rynearson

Sponsor organization Douglas County, Department of Environmental Services

Sponsor address 15335 West Maple Road, Suite 201

City Omaha State NE ZIP 68116

Contact person Dave Forrest

Title Planning and Zoning Coordinator

Email address dave.forrest@douglascounty-ne.gov Daytime phone 402-444-3531

Description of project (attach additional sheets as needed)

See attached concept plan for phase 1

Total estimated cost \$ 1,080,170 Cost share request \$ 540,085

Signature

Date

Environmental Services Director

Title

INTRODUCTION

In 2004, Douglas County, along with Elkhorn, Waterloo, Valley, the Nebraska Game and Parks Commission, and the Papio-Missouri NRD, completed a comprehensive trails plan for western Douglas County. With the intent to build on the success of trails in the Omaha Metro area, this plan included western Douglas County as part of an integrated regional trail network.

Since 2004, trails have been in various stages of completion across western Douglas County. In 2021, Douglas County hired Lamp Rynearson to conduct a feasibility study for the West Maple Road Trail, connecting Waterloo and Valley – along with the rest of western Douglas County – to Omaha.

The proposed trail segment, a 10-foot-wide concrete trail, would begin at the Papio-NRD's Elkhorn River access site and continue east along West Maple Road for approximately 1.5 miles, ending at Elkhorn Drive.

Through initial conversations with Douglas County and the Papio-Missouri NRD, the team discovered that existing topography, the number of affected landowners, construction costs, the complexity of construction, and potential funding supported splitting the project into two phases. Phase 1 of trail construction would begin at the Papio-Missouri NRD's Elkhorn River access site and end at 222nd Street, a natural breaking location in the overall trail. The topography of this western section of the trail is relatively flat, and the number of affected homeowners is relatively low; therefore, the construction costs are lower resulting in a segment of trail that could be constructed in a shorter timeframe. Phase 2 would start at 222nd Street and end at Elkhorn Drive, connecting to the existing Elkhorn Trails System.

A vicinity map of the proposed trail alignment and phasing is included in Appendix E of this report.



LAMP
RYNEARSON

LAMPRYNEARSON.COM

OMAHA, NEBRASKA
14710 W. DODGE RD., STE. 100 (402)496.2498
FORT COLLINS, COLORADO
4715 INNOVATION DR., STE. 100 (970)228.0342
KANSAS CITY, MISSOURI
9001 STATE LINE RD., STE. 200 (816)351.0440

VICINITY MAP

WEST MAPLE TRAIL CONCEPT PLAN
DOUGLAS COUNTY, NEBRASKA

ALL UTILITIES ARE SHOWN BASED ON THE INFORMATION AVAILABLE TO THE ENGINEER. THERE IS NO GUARANTEE AS TO THE LOCATION, DEPTH, AND SIZE OF EACH FACILITY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UTILITIES AND SERVICE LINES PRIOR TO CONSTRUCTION.

Know what's below.
Call before you dig.

REVISIONS

DESIGNER / DRAFTER
BRENDAN FINDALL
DATE
01/08/2022
PROJECT NUMBER
0121244.01-001
BOOK AND PAGE

SHEET
OF

West Maple Trail Phase 1 - Elkhorn River Landing to 222nd St**Assumptions/Comments:**

ALL QUANTITIES ARE BASED ON AERIAL IMAGERY AND GIS INFORMATION. NO ONE CALL OR UTILITY PROVIDER INFORMATION HAS BEEN INCORPORATED
 COSTS ARE BASED OFF OF 2021 CONSTRUCTION COSTS
 PRIVATE EASEMENT COSTS ARE BASED OFF OF PREVIOUS PROJECT BUT COULD VARY DEPENDING ON FINAL NEGOTIATIONS
 COST ESTIMATE ASSUMES NO COMPENSATION FOR NDOT RIGHT OF WAY USE
 CURRENT TRAIL ALIGNMENT ASSUMES NO WETLAND IMPACTS, MAY VARY BASED ON ACTUAL WETLAND DELINATION

	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total
REMOVALS					
1	MOBILIZATION	1	LS	\$30,000.00	\$30,000.00
2	CLEARING AND GRUBBING GENERAL	1	LS	\$20,000.00	\$20,000.00
3	REMOVE TREES AND LANDSCAPING	1	LS	\$15,000.00	\$15,000.00
4	REMOVE PAVEMENT	0	SY	\$9.50	\$0.00
5	REMOVE SIDEWALK	400	SF	\$1.25	\$500.00
6	UTILITY RELOCATION ALLOWANCE	1	LS	\$20,000.00	\$20,000.00
GRADING					
7	EARTHWORK EXCAVATION	300	CY	\$20.00	\$6,000.00
8	EARTHWORK (HAUL IN)	0	CY	\$15.00	\$0.00
9	STRIP, STOCKPILE, AND RESPREAD TOPSOIL	4,600	CY	\$18.00	\$82,800.00
10	CONSTRUCT GRAVITY BLOCK RETAINING WALL	0	SF	\$100.00	\$0.00
11	SEEDING AND MATTING	0.62	AC	\$1,500.00	\$930.00
12	ROLLED EROSION CONTROL, TYPE II	0	SY	\$3.50	\$0.00
13	INSTALL, CLEANOUT AND REMOVE SILT FENCE	9,100	LF	\$7.00	\$63,700.00
14	WETLAND MITIGATION CREDIT	0	AC	\$55,000.00	\$0.00
PAVING					
15	CONSTRUCT 6" PC CONCRETE TRAIL	45,500	SF	\$7.00	\$318,500.00
16	CONSTRUCT 4 FOOT TALL CHAIN LINK FENCE	525	LF	\$5.00	\$2,625.00
17	CONSTRUCT CURB RAMP WITH DETECTABLE WARNING PANEL	250	SF	\$22.00	\$5,500.00
18	24" PREFORMED CROSSWALK TAPE	30	LF	\$35.00	\$1,050.00
19	TRAIL CENTERLINE MARKING	4,550	LF	\$1.00	\$4,550.00
20	CONSTRUCT STOP SIGN WITH "CROSS TRAFFIC DOES NOT STOP" PLAQUE	1	EA	\$525.00	\$525.00
21	CONSTRUCT "SHARP RIGHT CURVE WARNING" SIGN	1	EA	\$350.00	\$350.00
22	CONSTRUCT "SHARP LEFT CURVE WARNING" SIGN	1	EA	\$350.00	\$350.00
23	CONSTRUCT "BE PREPARED TO STOP" SIGN	2	EA	\$350.00	\$700.00
24	CONSTRUCT "NARROW BRIDGE" SIGN	0	EA	\$350.00	\$0.00
25	CONSTRUCT BICYCLE/TRAIL SIGN WITH TRAIL X-ING PLAQUE	2	EA	\$525.00	\$1,050.00
26	CONSTRUCT ABUTMENT	2	EA	\$20,000.00	\$40,000.00
27	CONSTRUCT HELICAL PILE (6 EA)	0	LF	\$100.00	\$0.00
28	CONSTRUCT APPROACH SLAB	0	EA	\$3,000.00	\$0.00
29	CONSTRUCT 12' X 80' PEDESTRIAN BRIDGE	0	LS	\$120,000.00	\$0.00
STORM SEWER					
30	CONSTRUCT TWIN 24" STORM SEWER WITH PIPE BEDDING	50	LF	\$85.00	\$4,250.00
31	CONSTRUCT 24" FLARED END SECTION	4	EA	\$1,500.00	\$6,000.00
32	CONSTRUCT RIP RAP APRON	50	TN	\$90.00	\$4,500.00
LAND ACQUISITION					
33	PRIVATE LOT EASEMENT	1.82	AC	\$45,000.00	\$81,900.00
34	NDOT RIGHT OF WAY EASEMENT	0	AC	\$45,000.00	\$0.00
	CONTINGENCY	25%		\$710,780.00	\$177,695.00

Estimated Phase 1 Construction Costs: \$888,475.00

DESIGN ENGINEERING		10%	\$88,847.50
CONSTRUCTION ENGINEERING		10%	\$88,847.50
ROW SERVICES	4 PARCEL \$	3,500.00	\$ 14,000.00

Estimated Phase 1 Total Costs: **\$1,080,170.00**

Trails Assistance Program – Application Form

Project name Cheyenne Ridge Trail Improvements - Section I

Project location (attach location map) 168th St between Cornhusker and Highway 370

Sponsor organization SID 351 of Sarpy County (Cheyenne Ridge)

Sponsor address %E & A Consulting Group, 10909 Mill Valley Road, Suite 100

City Omaha State NE ZIP 68154

Contact person Caleb Beasley

Title SID Engineer

Email address cbeasley@eacg.com Daytime phone 402-895-4700

Description of project (attach additional sheets as needed)

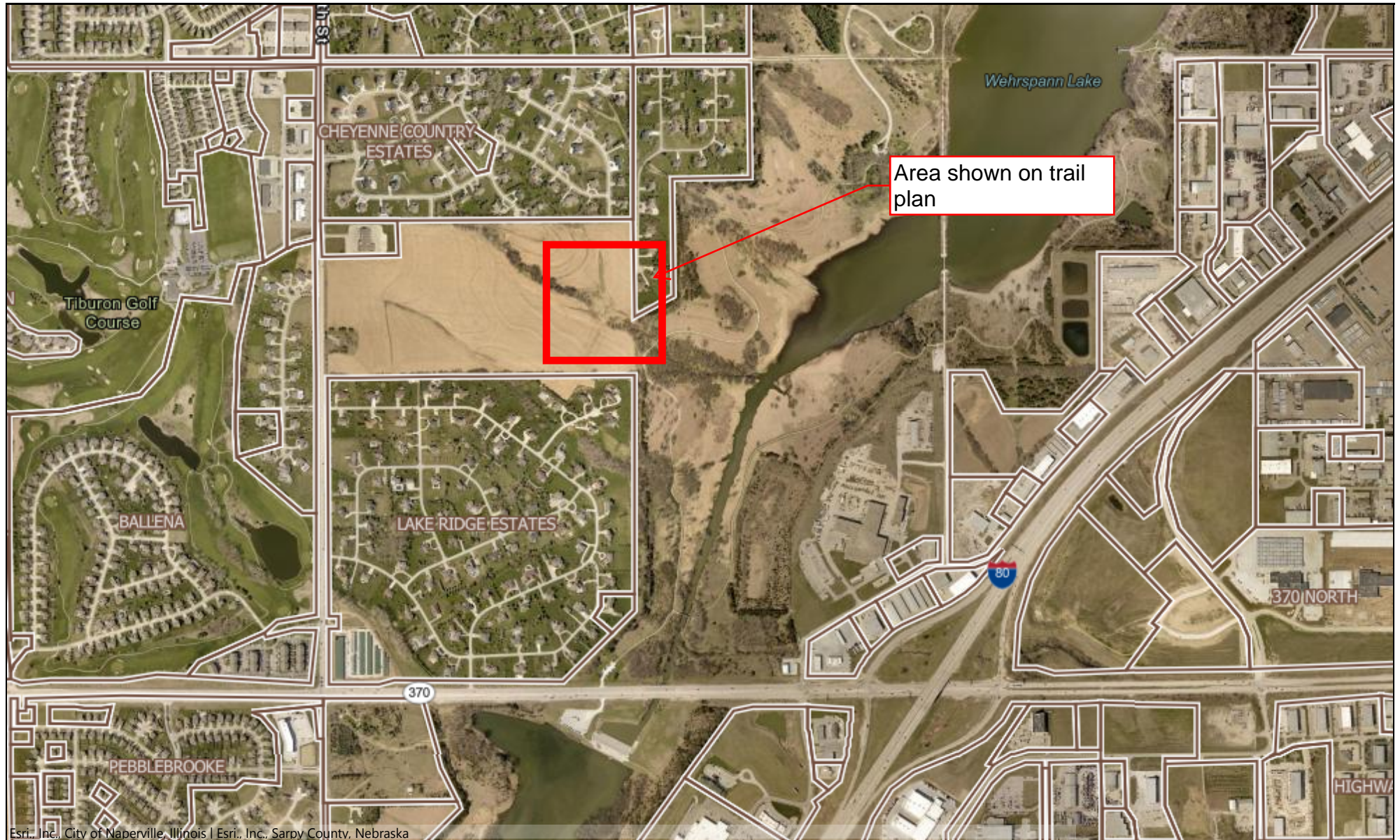
Construct trail connection from new Cheyenne Ridge subdivision to
Wehrspann Lake, including a pedestrian boardwalk and reconstruction
of an existing culvert under the existing Wehrspann trail

Total estimated cost \$ 225,000 Cost share request \$ 112,500

Caleb Beasley
Signature

3/18/22
Date

SID 351 Engineer
Title



0 1500 3000
ft

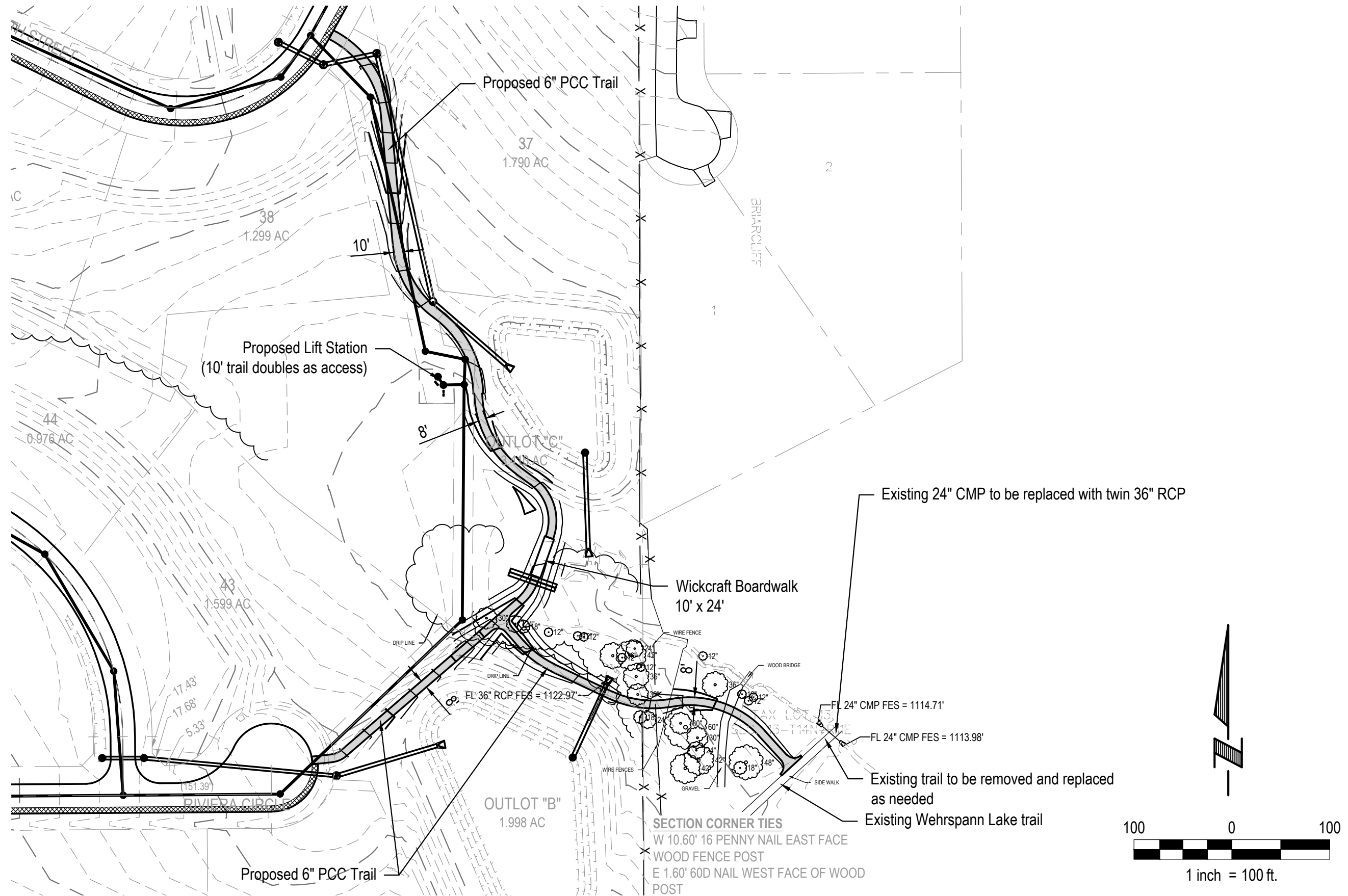
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Notes





CHEYENNE RIDGE
Trail Improvements - Section I
Cost Estimate for NRD Grant

Date: 3/18/2022
 By: CWB
 E&A #: P2020.096.001

<u>No.</u>	<u>Description</u>	<u>Qty.</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total</u>
1	CLEARING AND GRUBBING - GENERAL	1	LS	\$5,000.00	\$5,000.00
2	CLEARING AND GRUBBING TREES	3	EA	\$1,000.00	\$3,000.00
3	REMOVE 24" CMP	24	LF	\$20.00	\$480.00
4	REMOVE FLARED END SECTION	2	EA	\$100.00	\$200.00
5	REMOVE TRAIL	500	SF	\$2.00	\$1,000.00
6	REMOVE AND RECONSTRUCT FENCE	20	LF	\$50.00	\$1,000.00
7	EARTHWORK	2,145	CY	\$5.00	\$10,725.00
8	CONSTRUCT 6" PCC TRAIL	11,373	SF	\$7.00	\$79,611.00
9	CONSTRUCT 36" RCP	60	LF	\$200.00	\$12,000.00
10	CONSTRUCT 36" RC FLARED END SECTION	4	EA	\$2,500.00	\$10,000.00
11	CONSTRUCT WICKCRAFT BOARDWALK (10' X 24')	1	LS	\$20,000.00	\$20,000.00
12	CONSTRUCT GATE	1	EA	\$1,500.00	\$1,500.00
13	INSTALL SEEDING	4,200	SY	\$0.40	\$1,680.00
14	INSTALL EROSION CONTROL MATTING	4,200	SY	\$2.00	\$8,400.00
15	INSTALL SILT FENCE	500	LF	\$3.00	\$1,500.00
	CONTIGENCY			15%	\$23,414.40
	Construction Cost Subtotal				\$180,000.00
	ENGINEERING, CONSTRUCTION OBSERVATION, TESTING, ETC			25%	\$45,000.00
	Total Project Cost				\$225,000.00

Trails Assistance Program – Application Form

Project name Trail Accessibility in Siouxland Freedom Park

Project location (attach location map) 1801 Veterans Drive South Sioux City, NE

Sponsor organization City of South Sioux City

Sponsor address 1615 First Ave.

City South Sioux City State NE ZIP 68776

Contact person Gene Maffit

Title Parks Director

Email address gmaffit@southsiouxcity.org Daytime phone 402-494-7540

Description of project (attach additional sheets as needed)

See attached

Total estimated cost \$ 72,475 Cost share request \$ 36,237.50

[Signature]
Signature

03/17/2022
Date

Lance Hedquist, City Administrator
Title

Trail Accessibility in Siouxland Freedom Park

Project Narrative

South Sioux City seeks a Trails Assistance Program grant to fund construction of accessible trails in Siouxland Freedom Park (SFP). SFP is a 55-acre veterans' memorial park located along the bank of the Missouri River. The park's amenities include the recently constructed Brigadier General Bud and Doris Day Interpretive Center, a half-scale replica of the Vietnam Memorial Wall, Nebraska's first "Freedom Rock," and Navy Seal John Douangdara Memorial Dog Park. As indicated in the attached map, SFP needs trails to connect these amenities.

SFP is popular with residents of all ages, particularly veterans and their families, many of whom face mobility challenges. Given the prevalence of mobility challenges among veterans and SFP's senior visitors, inadequate accessibility is particularly limiting in SFP.

This project is an excellent fit for the Trails Assistance Program because it enhances the recreational opportunities in SFP and aligns with the City's comprehensive plan (attached). Continued growth in the region must include attractive amenities such as outdoor recreation, and this project contributes directly to ongoing efforts to serve the City's and region's vibrant and increasingly diverse community.

Budget

Trail Improvements					
No.	Description	Unit	Quantity	Unit Price	Total
1	Mobilization	LS	1	\$5,500.00	\$5,500.00
2	Earthwork	LS	1	\$5,000.00	\$5,000.00
3	4" Concrete Trail	SF	8,050	\$5.00	\$40,250.00
8	Seeding	AC	0.25	\$10,000.00	\$2,500.00
10	Erosion Control	LS	1	\$2,500.00	\$2,500.00
Subtotal					\$55,750.00
Contingency (15%)					\$8,362.50
Survey, Design, & Construction Observation (15%)					\$8,362.50
Total Project Cost					\$72,475.00
NRD Request					\$36,237.50
City Share					\$36,237.50

Implementation

The City will select a vendor using standard procurement processes. The project timeline will be provided by the contractor and approved by City Parks Director, Gene Maffit.



1
of
1

SHEET

MASTER PLAN		REV. NO.	DATE	REVISIONS DESCRIPTION
SIOUXLAND FREEDOM PARK				
SOUTH SIOUX CITY, NEBRASKA		NO.	DATE	DESCR.
2022		REVISIONS		

PRELIMINARY

NOT TO BE USED FOR CONSTRUCTION

February 17, 2022

DATE PRINTED

OLSSON

olsson

1707 Dakota Avenue
South Sioux City, NE 68776-2356

TEL 402.494.3059

www.olsson.com

Siouxland Freedom Park

DESCRIPTION:

Siouxland Freedom Park is still in its early development phase. A park concept plan has been developed and the first phase of construction, a Vietnam Veteran's Memorial and associated parking and walk has been completed. Three picnic shelters and a playground have been constructed in the portion of the park east of Riverview Drive. Scattered tree plantings occur throughout the park. War Dog Park is located at the west end of Siouxland Freedom Park. Since it has a unique purpose and facilities, it is treated as a separate park in this report.

PARK TYPE: Large City Park

SIZE: 52.2 acres

LOCATION: In the triangular area between the Missouri River, BNSF railroad, and Foundry Road

PARK CHARACTERISTICS/DEFICIENCIES:

- Park is along the community trail system.
- Off-street parking provides easy access for visitors driving to the park.
- Off-street parking is paved and includes accessible parking stalls.
- Main walk to Vietnam Memorial provides paved access route to memorial and is wide enough to serve large groups of visitors.
- Benches along walks are on paved areas but do not include wheelchair seating space.

PARK IMPROVEMENT OPPORTUNITIES:

- Future development of the memorial area of the park is well defined in the concept plan. The comments provided in this section apply to the area east of Riverview Drive.
- Off-street parking with accessible parking stalls should be added to serve the picnic shelters and playground.
- Provide paved access routes to all three picnic shelters.
- Provide paved access routes to playground perimeter and seating areas.
- Provide resilient surface access routes to all playground equipment per ADA and ASTM design guidelines.

FUTURE USES:

- Continue development of the park area west of Riverview Drive as a memorial to Siouxland's veterans.
- Continue development of the park area east of Riverview Drive as a riverfront district park.
- Implement site accessibility improvements to allow everyone to fully use the park.

Lake Dredging Program – Application Form

Project name Walnut Creek Silt Pond Dredging

Project location (attach location map) Attached

Sponsor organization City of Papillion

Sponsor address 122 E. Third Street

City Papillion State NE ZIP 68046

Contact person Tony Gowan

Title Park and Facilities Director

Email address tgowan@papillion.org Daytime phone 402-597-2049

Description of project (attach additional sheets as needed)

This project will dredge the three existing silt pond / forebays of the
Walnut Creek Lake. This is required maintenance to maintain the
water quality of the Lake

Original capacity of lake/basin 50 Ac-ft

Proposed excavation amount 35.85 Ac-ft

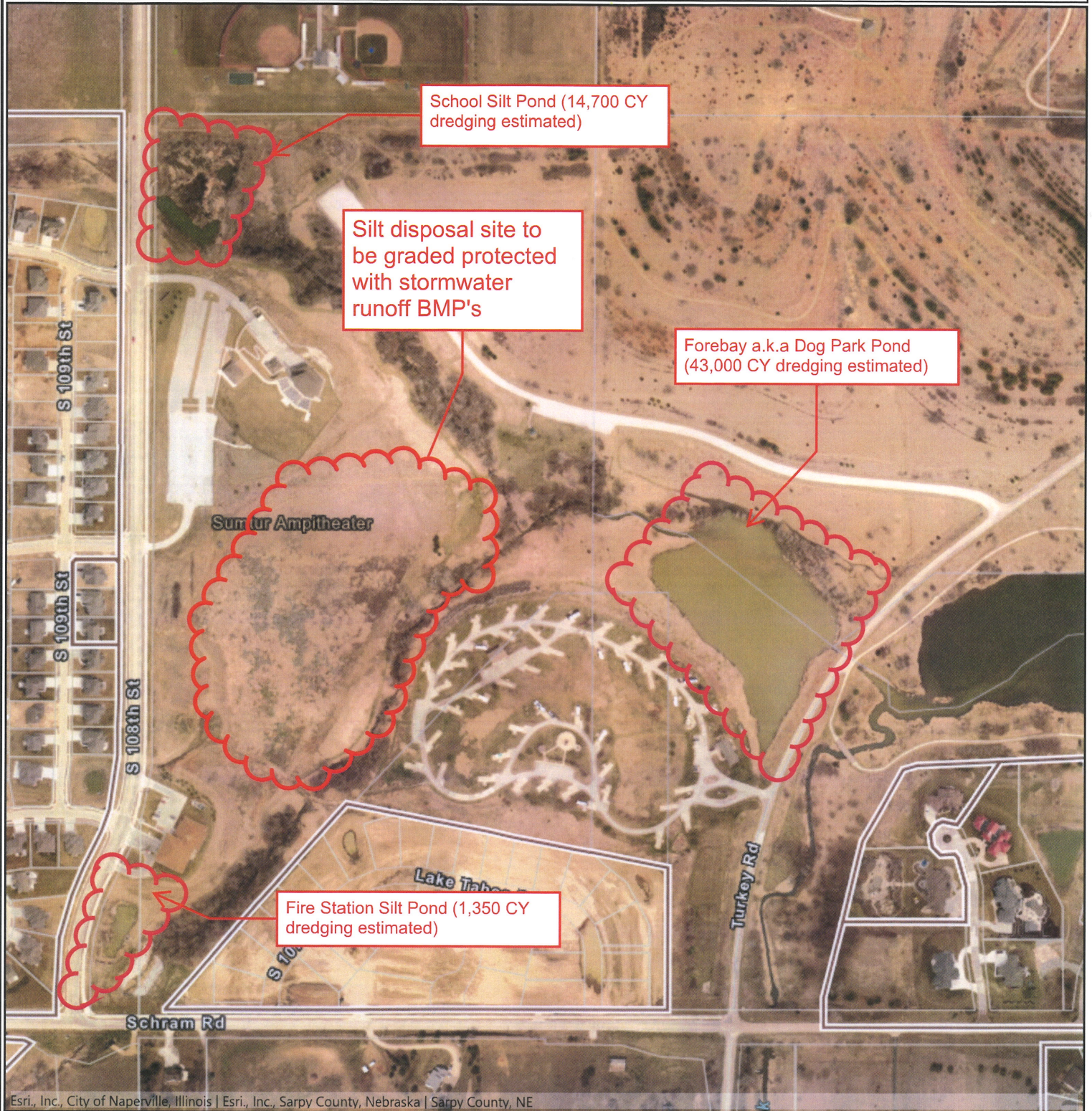
Total estimated cost \$ 850,850.00 Cost share request \$ 100,000

Anthony J. Gowan
Signature

3-7-2022
Date

Parks and Facilities Director
Title

WALNUT CREEK SILT POND DREDGING



Notes

Overview Map



This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the source records and information sources to ascertain the usability of the information.

