

Memo to the Programs, Projects, and Operations Subcommittee

Subject: FY 2015 Urban Cost Share Programs

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

Date: April 8, 2014

From: Eric Williams

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

Recreation Area Development

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.

Applications have been received and are outlined below.

The City of Blair has requested cost share assistance to develop a Parks Master Plan that will address accessibility to assure that parks are usable for all visitors, review non-traditional recreational uses. The total estimated cost to create this plan is \$55,105 and the City is requesting assistance in the amount of \$27,552.

The City of Omaha has requested cost share assistance with public pavilion and restroom renovation along the north side of the lake at Levi Carter Park as part of the Master plan developed in 2011. The total estimated cost for this project is \$454,572 and the City is requesting assistance in the amount of \$50,000.

The City of Papillion has requested cost share assistance for construction of a park shelter as part of a comprehensive park upgrade at Veterans Park. A wide variety of enhancements are planned for the park totaling over \$1,128,000, and the park shelter is eligible as part of this cost share program. The total estimated cost for the shelter is \$40,000, and the City is requesting assistance in the amount of \$20,000.

South Sioux City has requested assistance toward construction of a wildlife observatory and an underwater observatory for viewing aquatic life at Crystal Cove Park. These facilities are part of an ongoing series of upgrades at this recreation location. The total

estimated cost is \$212,000, and the City is requesting assistance in the amount of \$50,000.

The FY 2014 budget amount for this program was \$118,773. The following table summarizes all of the FY 2015 applications.

<u>Sponsor</u>	<u>Total Estimated Cost</u>	<u>FY 2015 Cost Share Request</u>
City of Blair, Parks Master Plan	\$55,105	\$27,552
City of Omaha, Levi Carter Park	\$454,572	\$50,000
City of Papillion, Veterans Park	\$40,000	\$20,000
South Sioux City, Crystal Cove Park	\$212,000	\$50,000
Total	\$761,677	\$147,552

- It is recommended that the Subcommittee recommend to the Board of Directors that the Recreation Area Development Program applications for the City of Blair for \$27,552, the City of Omaha for \$50,000, the City of Papillion for \$20,000, and South Sioux City for \$50,000, for a total of \$147,552 be approved, subject to funding in the FY 2015 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.

Projects previously approved by the Board with cost share components in FY 2015 are as follows:

In 2012, the Board approved two projects for the City of Omaha, Rockbrook Tributary Rehabilitation Project and Saddle Creek Channel Improvement Project. Interlocal agreements approved by the Board specify payments over a period of three years. The initial payment in FY 2012 was not made, and the payment schedule was delayed one year to include final payment in FY 2015. These payments are \$237,760 for Rockbrook Tributary and \$270,460 for Saddle Creek Channel.

New program applications were received and are outlined below.

The City of LaVista is planning a stabilization/rehabilitation project on Thompson Creek between 84th and 72nd Streets. This project was approved for funding over a three year period starting in FY 2013. Due to additional work to reach agreement with three utility companies, the project has been delayed and project work is not scheduled to proceed in time for reimbursement before June 1, 2014. Previously expected grant funding has changed, and overall cost for the project has increased.

The project includes bio-engineering practices, grade control, and stream velocity reduction. The project has been approved for funding from the Nebraska Environmental Trust and NDEQ 319, and warrants a Level 2 designation. The total cost of the channel improvement project over a two year period is \$2,769,000. The City is requesting \$712,000 from the NRD over a two year period; \$412,000 in FY 2015, \$300,000 in FY 2016. It is anticipated that an interlocal agreement will be prepared for Board consideration at a later date.

(Note: In February 2010 the Board approved funding under the Floodway Purchase Program for the first phase of Thompson Creek Project in which 24 homes threatened by channel erosion, were purchased by the City of La Vista and demolished to facilitate the necessary channel restoration. The District provided \$340,155 of the \$2.7 million project.)

Douglas County SID 374, Huntington Park, located northwest of 156th & Blondo, is requesting assistance to stabilize/rehabilitate a drainageway between 156th and 160th Streets. This project was approved by the Board in April 2013, but funding was not allocated in the FY 2014 budget. The project warrants a Level 3 designation under the revised UDP guidelines. The total cost of the improvements is \$2,066,130. The SID is requesting 40% of this amount, or \$826,452.

The City of Waterloo is requesting assistance to clean out Donahue Creek which has become silted in and over grown with weeds and brush. The channel no longer drains effectively, and needs to be stabilized in order to prevent future bend and bank erosion. This project qualifies for Level 3 with 40% cost share rate maximum of the total cost \$223,780. The City is requesting \$89,512.

The FY 2014 budget included \$1,374,925 for this program. The following table summarizes the FY 2015 applications.

<u>Sponsor</u>	<u>Total Estimated Cost</u>	<u>FY 2015 Cost Share Request</u>
City of Omaha, Rockbrook Tributary	-	\$237,760
City of Omaha, Saddle Creek Channel	-	\$270,460
LaVista, Thompson Creek	\$2,769,000	\$412,000
Huntington Park SID 374	\$2,066,130	\$826,452
Waterloo, Donahue Creek	\$223,780	\$89,512
Total	\$5,058,910	\$1,836,184

- **It is recommended that the Subcommittee recommend to the Board of Directors that the applications from the City of LaVista for \$412,000, Huntington park SID 374 for \$826,452, and the City of Waterloo for \$89,512, for a total of \$1,836,184, subject to funding in the FY 2015 Budget.**

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.

The City of Omaha is requesting assistance to complete a bioswale conversion at the Vehicle Impound Facility at 7809 F Street. The existing drainage swale is exclusively lined with geosynthetic fabric and cobble rip rap which has scour issues. The proposed solution is to use synthetic soil stabilization and vegetation to form the profile of a swale for infiltration, and to restore the side slopes. The project is estimated to cost \$56,500. The City is requesting the maximum under this program of \$30,000.

The City of Omaha is requesting assistance for shoreline stabilization around lakes located in Benson Park, Kiwanis Park, and Levi Carter Park. The shoreline in each of these locations is eroding due to wave action which degrades water quality and fish habitat. The City is proposing to use flex-a-mat for stabilization at Benson Park pond, and to install rip rap along the shoreline of Kiwanis Park pond. The shoreline at Carter Lake will be excavated, rip rap will be installed, and the concrete access will be removed and replaced with a crushed rock access. The project cost is estimated to be \$31,540 and the City is requesting \$18,924 in assistance for these shoreline stabilization and habitat restoration projects.

The City of Omaha is requesting assistance for excavation to repair erosion at two existing culvert pipes near Hillside Little League Park. The eroded area will be filled, a concrete block mat will be placed to prevent future erosion, and the area will be seeded. The estimated cost is \$8,000, and the City is requesting \$4,800 assistance.

South Sioux City is requesting assistance to create a new Westside drainage channel which will eliminate localized flooding. Limited slope and vegetation do not allow for drainage along Hwy 77, near an existing bicycle trail. The estimated project cost is \$55,350 and the City is requesting \$30,000 assistance.

South Sioux City is requesting assistance for storm water management in Scenic Park. Following the flood in 2011, sand filled in a cove along the Missouri River. This location now has 20 camping pads, but still experiences drainage issues. The proposed solution is to install fabric with various sizes of rock to allow sediment to drop out, and infiltration without erosion. The estimate cost is \$66,000, and the City is requesting \$30,000 assistance.

The FY 2014 budget included \$111,900 for this program. The following table summarizes these applications.

<u>Sponsor</u>	<u>Total Estimated Cost</u>	<u>FY 2015 Cost Share Request</u>
City of Omaha, Vehicle Impound Facility	\$56,500	\$30,000
City of Omaha, Shoreline Stabilization	\$31,540	\$18,924
City of Omaha, Hillside Little League	\$8,000	\$4,800
South Sioux City, Westside Drainage	\$55,350	\$30,000

South Sioux City, Scenic Park	\$66,000	\$30,000
Total	\$217,390	\$113,724

- **It is recommended that the Subcommittee recommend to the Board of Directors that the three applications from the City of Omaha for \$30,000, \$18,924, and \$4,800, and the two applications from South Sioux City for \$30,000 and \$30,000, for a total of \$113,724 be approved, subject to funding in the FY 2015 Budget.**

Trails Assistance Program

The Trails Assistance Program cost shares with sponsors on trail projects approved for funding under the Transportation Enhancement Program, either NDOR or NGPC. The cost share rate is 50% of the local share, or 10% of the total project costs. All projects require Board approval.

The City of Papillion is requesting assistance to complete the Walnut Creek Connector Trail. This project connects an existing trail near the south end of Walnut Creek Recreation Area to an existing trail along the east side of Savanna Creek, and to a new trail head, and to an existing neighborhood sidewalk at Placid Lake Circle. The estimated total cost is \$326,730, and the City is requesting assistance for \$32,673 which represents half of the local cost.

The City of Bennington is requesting assistance to complete the Bennington Bridge and Trail Project. The project will connect an existing trail section on the south side of the creek, with field facilities on the north side of the creek. The total estimated project cost is \$841,963, and the City is requesting assistance for \$84,196 which represents half of the local cost.

Sarpy County is requesting assistance to extend the Daniel Trail in collaboration with the City of Bellevue, and SIDs 147, 171, 186, and 215. This trail extension will connect two existing trail segments, and five subdivisions with an existing connection to the Keystone Trail. All parties have met to plan this project, and will share in the cost. Sarpy County is responsible to lead oversight of design and construction, and the City of Bellevue will be responsible for ongoing operations and maintenance. Funding for this project will be contingent upon approval of Transportation Enhancement funding. The total estimated cost of this project is \$550,000 and the County is requesting \$125,000 assistance.

South Sioux City is requesting assistance to complete the Missing Link Trail as a connection between city parks, schools, colleges, businesses, residential areas, and Dakota City Trail. The estimated costs for this project have changed since initial design, and the City is aware that the most recent estimated cost might be slightly more than what is listed on the application. The application indicates an estimated cost of \$578,864. The City could have requested additional funding based on cost increases, but will keep their assistance request at \$57,886 which is slightly less than half of the estimated local cost.

The FY 2014 budget included \$282,502 for this program. The following table summarizes these applications.

<u>Sponsor</u>	<u>Total Estimated Cost</u>	<u>FY 2015 Cost Share Request</u>
City of Papillion, Walnut Creek Connector	\$326,730	\$32,673
City of Bennington, Bridge and Trail	\$841,963	\$84,196
Sarpy County, Daniel Trail	\$550,000	\$125,000
South Sioux City, Missing Link	\$578,864	\$57,886
Total	\$2,297,557	\$299,755

- **It is recommended that the Subcommittee recommend to the Board of Directors that the applications from the City of Papillion for \$32,673, the City of Bennington for \$84,196, Sarpy County for \$125,000, and South Sioux City for \$57,886, for a total of \$299,755 be approved, subject to funding in the FY 2015 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.

No applications for this program were received for FY 2015.



RECREATION AREA DEVELOPMENT

SPECIAL PROJECT REQUEST APPLICATION

- 1. DATE:** March 6, 2014
- 2. PROJECT NAME** Blair, Nebraska Mater Park Plan Development
- 3. PROJECT SPONSOR:** City of Blair
- ADDRESS:** 218 South 16th Street
Blair, Nebraska 68008
-
- 4. CONTACT PERSON:** Rod Storm
- TITLE:** City Administrator
- 5. TELEPHONE:** 402-426-4191
- 6. E-MAIL** rstorm@ci.blair.ne.us

7. PROJECT LOCATION: A review of existing and future parks and the city's current trails master plan for the City of Blair and the city's two mile jurisdiction.

8. DESCRIPTION OF PROJECT: Blair wants to develop a parks master plan that will address accessibility to assure that parks are usable for all visitors, review non-traditional recreational uses such as skateboard park, disc golf course, nature play as examples. The park master plan will also incorporate the city's trails mater plan to make sure the siting of future city parks are linked to the city's future trails allowing for multiple transportation options for park users. This is a planning document the City plans to utilize for future planning of city parks and enhancements to existing city parks as Blair moves into the future.

Blair has already developed a Request for Proposals, received proposals from a number of qualified firms, gone through the selection process with a selection committee consisting of two city councilman, two park board members and the City Administrator and have selected Big Muddy as the city's consultant for this work. Currently the City of Blair and Big Muddy are negotiating on final scope and contract for this work which should be finalize within the next thirty-days. The goal is to have the parks master plan completed by the end of 2014.

- 9. TOTAL ESTIMATED COST:** \$55,105.00
- 10. COST SHARE REQUESTED:** \$27,552.50
- 11. SIGNATURE/TITLE:** Al Schoemaker, Director of Public Works

Attachment "B" - Professional Services Fee and Reimbursable Expense Summary

City of Blair

Parks Master Plan & Trails Update

Blair, Nebraska

Big Muddy Workshop, Inc. & Kenneth Hahn Architects

Date: March 28, 2014

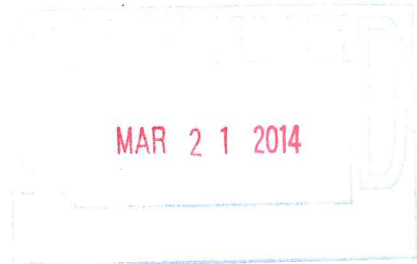
SCOPE OF SERVICES	Prin./LA	Prin./IP	SPM/LA	Intern LA	Total
1.1 Base Map Preparation	2			16	
1.2 Existing Plan Review	4				
1.3 Natural Resource & Utility Information	1			2	
1.4 Site Inventory	16			16	
1.5 Planning Team Meeting #1 - Visioning Session	8			4	
1.6 Park Board Meeting	3				
1.7 City & Key Stakeholders Interviews	16	10			
1.8 Community Input Meeting #1	5			4	
1.9 Opportunities & Constraints Analysis	4			2	
1.10 Draft Program Statement	20		1		
1.11 Schematic Diagrams	12		2	4	
1.12 Planning Team Mtg #2 - Program & Diagrams	4				
1.13 Community O H #2 - Schematic Diagrams	5			2	
1.14 Preliminary Master Plan	16		4	20	
1.15 Preliminary Cost Opinion	4		8	12	
1.16 Planning Team Meeting #3 - Prel. Plan & Costs	4				
1.17 Community O H #3 - Prel. Plan & Costs	5			2	
1.18 Implementation Priorities	3				
1.19 Pre-Final Master Plan & Costs	4		2	12	
1.20 Planning Team Meeting #4 - Final Master Plan	3				
1.21 Park Master Plan & Trails Update Report	20	10	2	4	
1.22 Council Presentations - up to 2	4				
Total Hours	163	20	19	100	
x Hourly Rate	\$185	\$105	\$155	\$85	
Subtotal	\$30,155	\$2,100	\$2,945	\$8,500	
Total BMW Professional Fees					\$43,700
Subconsultant Fees					
Architect - Kenneth Hahn Architects - Lump Sum Fee				\$9,745	
Subconsultant Fees					\$9,745
Reimbursable Expenses:					
Computer Plots/Photographs/In-house Copies				\$1,000	
Mileage - 18 trips @ 60 miles each				\$660	
Total Reimbursable Expenses					\$1,660
Lump Sum Project Fee					\$55,105



RECREATION AREA DEVELOPMENT

SPECIAL PROJECT REQUEST APPLICATION

- 1. DATE:** March 17, 2014
- 2. PROJECT NAME:** Levi Carter Park – Pavilion Renovation
- 3. PROJECT SPONSOR:** City of Omaha Parks, Recreation and Public Property
- ADDRESS:** 1819 Farnam St., Suite 701
Omaha, NE 68183
- 4. CONTACT PERSON:** Patrice Slaven
- TITLE:** Landscape Architect/Park Planner II
- 5. TELEPHONE:** 402-444-3977
- 6. E-MAIL:** pslaven@ci.omaha.ne.us



7. PROJECT LOCATION: Levi Carter Park, 809 Carter Lake Shore Drive. This park, directly west of Eppley Airfield, wraps around the outside of Carter Lake, an ox-bow lake formed by the shifting of the Missouri River in the 1800's. An aerial photo is attached showing the location of this project.

8. DESCRIPTION OF PROJECT: This historic park and many of its structures are included on the National Register of Historic Places. It became part of the Omaha park system in the early 1900's. Recreation in the park focused on the Lake itself, with boating, fishing and swimming. A six-million dollar water quality project funded by multiple state and local agencies, has recently been completed. The City is now working on implementing park improvements for this heavily used park.

Three significant structures were constructed by the Works Progress Administration: A large picnic pavilion and two bathhouses. The structures were all constructed of rose-colored Sioux quartzite stone and are arranged around a central courtyard opening onto the Lake. The City recently replaced the roof on both the pavilion and on the west bathhouse.

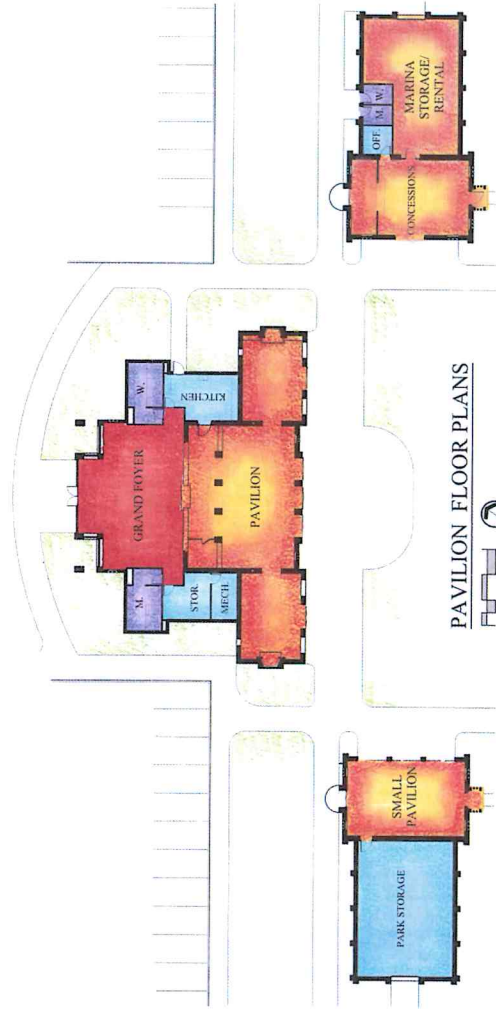
The pavilion is in need of renovation and the City is in the process of developing architectural plans to replace windows, doors and lighting and to renovate the stone walls and floor. Since there is no longer swimming in the Lake, the City has developed plans to repurpose the bathhouse structures. In addition to the pavilion renovation, the current project will install restrooms in the west bathhouse. The east bathhouse sustained damage from a fire a few years ago and will require more extensive repairs.

The City is requesting cost share assistance from the NRD for the picnic pavilion renovation and restrooms. This project conforms to the City of Omaha Capital Improvements Program and is consist with the publicly supported Levi Carter Park Master Plan developed for the park in 2011.

- 9. TOTAL ESTIMATED COST:** \$ 454,572
- 10. COST SHARE REQUESTED:** \$ 50,000
- 11. SIGNATURE/TITLE:**  /Brook Bench, Director, PRPP



PAVILION AREA SITE PLAN



Park Pavilion Restoration

Levi Carter Park

City of Omaha Dept. of Parks, Recreation & Public Property



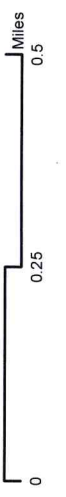
CARTER LAKE - LEVI CARTER PARK
PRELIMINARY BUDGET

	PAVILLION	EAST BLDG	WEST BLDG	OWNER
GENERAL CONDITIONS	\$ 29,260		\$ 29,260	
BUILDERS RISK				X
BUILDING PERMIT				N/C
TESTING	\$ 500		\$ 500	
FOOTINGS				
CONCRETE FLATWORK	\$ 4,394		\$ 7,672	
MASONRY	\$ 2,640		\$ 39,740	
CARPENTRY	\$ 1,236		\$ 5,937	
MILLWORK/TOPS	\$ 9,199		\$ 7,978	
H.M. FRAMES/DOORS/HARDWARE/ FRENCH DOORS	\$ 14,902		\$ 9,043	
ROLL UP COUNTER DOORS	\$ 11,337		\$ 4,535	
GARAGE DOOR				
WINDOWS	\$ 17,584		\$ 2,778	
POLYGAL	\$ 760		\$ 1,170	
DRYWALL	\$ 1,170			
TILE	\$ 1,610			
PAINTING/SEALER	\$ 16,980		\$ 11,933	
TOILET ACCESSORIES	\$ 2,109		\$ 8,717	
PLUMBING & WATER	\$ 25,000		\$ 63,000	
ELECTRICAL	\$ 43,525		\$ 14,625	
CONTINGENCY	\$ 10,010		\$ 10,011	
BOND	\$ 1,291		\$ 3,254	
O.H. & PROFIT	\$ 19,637		\$ 21,275	
TOTALS	\$ 213,144		\$ 241,428	

TARGETED IMPLEMENTATION SCHEDULE

Consultant contract approval	April 29, 2014
Project out to bid	June 25, 2014
Bids received	July 16, 2014
City Council Approval of Construction Contract	August 13, 2014
Mobilization	August 25, 2014
Project Completion	December 31, 2014





Levi Carter Park - Vicinity Map
Omaha, Nebraska

PAPIO-MISSOURI RIVER
NATURAL
RESOURCES
DISTRICT



8901 S. 154th ST.
OMAHA, NE 68138-3621
(402) 444-6222
FAX (402) 895-6543

Form 17.27 A

RECREATION AREA DEVELOPMENT PROGRAM

APPLICATION FORM

1. DATE: March 14, 2014

2. PROJECT NAME: Crystal Cove Observatories

3. PROJECT SPONSOR: City of South Sioux City
(Address)
1615 1st Avenue
South Sioux City, NE 68776

4. CONTACT PERSON: Tami Bailey TITLE: Grant Administrator

5. TELEPHONE: 402-494-7591

6. PROJECT LOCATION**: Crystal Cove Park - see Attached for specifics

7. DESCRIPTION OF PROJECT**: The project will involve the construction of a wildlife observatory
and an underwater observatory for viewing aquatic life given that the clarity of the water in the lake is clear
and will allow for great opportunities to learn about various aquatic life. See attached for specifics.

8. TOTAL ESTIMATED COST: \$ 212,000

9. COST SHARE REQUEST: \$ 50,000

10. SIGNATURE/TITLE: *William D. Luby* *Mayor*

** Attach additional sheets as necessary.

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**RECREATION AREA
DEVELOPMENT
PLAN**

CRYSTAL COVE RECREATION DEVELOPMENT PLAN

EMPHASIS – ENGAGEMENT AND EDUCATION WITH NATURE IN THE LEAST INTRUSIVE MANNER

EXECUTIVE SUMMARY

Change is inevitable; sometimes it is barely noticeable and other times the impact is far reaching. For most of the Siouxland Region, the Flood of 2011 was an unexpected and unwelcome change. Months of floodwaters devastated lives, resulted in millions of dollars in damage and forever altered and changed natural habitats and ecosystems for aquatic life and wildlife of the region. It served as a reminder of just how precious the balancing act is between man, animal and Mother Nature. But sometimes, as a result of change, comes opportunity.

In 2006, the Army Corp of Engineers embarked upon a \$750,000 project that improved fish habitat in the lake at Crystal Cove, improved wetland habitat in the surrounding areas, removed invasive vegetation, and improved shore development with native vegetation. These vast improvements provided numerous recreational opportunities for residents of the region. However, the flooding in 2011 allowed an underground spring to open and the water levels of the lake rose allowing for a more improved aquatic environment and the habitat of the wetlands located adjacent to the lake has flourished. Migratory birds flocked to the area during the past several months (Bill Hueser, a local bird expert, has reported observing 217 different species of birds at Crystal Cove), and the water in the lake is crystal clear and stocked with a number of species of fish including game fish, as well as a recent crop of trout stocked in 2013 by Nebraska Game and Parks.

After the flooding, numerous community entities, including the local public school system, and the local division of the National Audubon Society expressed interest in developing an outdoor experiential area that would allow residents, students and tourists the opportunity to learn more about their role in the delicate balancing act that exists between man, animal and mother nature and expressed that Crystal Cove would be an excellent location.

Crystal Cove has become one of the primary recreational areas in South Sioux City drawing a large number of the 13,353 residents of varying ages daily to the walking/biking trails that outline the lake, a soon to be sanctioned Frisbee golf course, and playground. Crystal Cove is a community treasure. Currently, residents are able to freely interact within the natural habitats that exist at Crystal Cove as no boundaries are in place that allow residents to meet nature where it is while mitigating the impacts of that interaction. The goal of the City is to provide educational opportunities for

residents, but mitigate the lasting impacts that residents have on the delicate ecosystem that exists at Crystal Cove.

As a result of these requests and the expressed interest, the City of South Sioux City hired Olsson and Associates to design an aquatic and wildlife educational observatory for the local Audubon society chapter, local schools, as well as, nature enthusiasts to utilize to enjoy and help educate them about the aquatic creatures and local wildlife's natural habitats and the role humans play in helping to keep those ecosystems in balance. By providing an outdoor learning environment available for students in the local school district and surrounding communities, it will help promote the necessity of being environmentally responsible.

As a result of the community interest, and because the project aligned well with the local and Statewide Comprehensive Outdoor Recreation Plan (SCORP) of the Nebraska Game and Parks Land and Water Conservation priority areas specific to the provision of wildlife viewing opportunities and areas to observe or photograph nature, the City presented the project to the council and public requesting their approval to submit an application for funding to Nebraska Game and Parks Land and Water Conservation fund for their consideration; no objections were received and the project was awarded funding.

I. Site Description

Crystal Cove Park is the second largest park in South Sioux City boasting approximately 40 acres. Aside from the Missouri River that runs along Scenic Park, Crystal Cove is the only park in South Sioux City that has a combination of fish and wildlife habitat, as well as, wetlands. The park is surrounded by residential area on the north, east and south and a split combination of light industrial and agricultural property on the west. A bike/walking trail exists along the perimeter of the lake. The park has been uniquely designed to serve as an oasis on the edge of the city and is only accessible off of West 39th Street and has existing parking lots for park users. The park is bordered by Highway 77 and Interstate I-129; however, there are no access points from either of these thoroughfares. Crystal Cove is dedicate as a public recreation area and meets the required district minimum of 50 years.

II. Project Description

The Crystal Cove recreation development plans goal is to construct two wildlife observation platforms to be placed near points along the edge of Crystal Cove that will be the least intrusive to the existing ecosystems. One structure would be designed to

allow for ease of viewing of birds during the migratory season with little disruption to their habitats, as well as, other wildlife that can be found at Crystal Cove. The second structure would allow for viewing fish in their natural aquatic habitats via underwater cameras and create a learning/exhibit area focusing on aquatic life in Crystal Cove.

The wildlife observation area would be a sheltered structure that will be located along the southern edge of Crystal Cove. This will allow users to view wildlife in their natural setting. An American with Disabilities Act approved trail/sidewalk leading to the observation deck will be constructed with entrance and exit off the observation area. The aquatic observatory will be an enclosed structure with large windows so that one could view various portions of Crystal Cove from all sides of the structure. The structure will house TV's that will be connected to an underwater camera so that users could view aquatic species in their natural habitat. Educational signs and exhibits will also be placed within the structure showing various aquatic wildlife that can be found in Crystal Cove and will provide environmental and habitat information to educate students and residents about the ecosystems that exist within Crystal Cove.

The underwater camera will be installed beneath the existing fishing dock and connected to the City and schools fiber network for in classroom utilization during winter months. The camera will have 24 hour a day, 365 day a year capability so that users could view the camera on the internet. A camera would also be mounted on the canopy so that people could view the nature setting of the lake and wetlands area via the internet. Both the wildlife and fish observation decks could be used all year around. No overhead utility lines exist within the project boundary that will interfere with the project.

These observatories will be the first of their kind in the community and will provide a year around educational experience for both local residents who enjoy the great outdoors, as well as, for persons whom might not be able to access Crystal Cove to view the natural habitat of wildlife and aquatic creature's due to limited mobility or other factors that limit their ability to enjoy the natural surroundings. This innovative approach of retrofitting the observatories so that live viewing will be streamed on the internet 24 hours a day and 365 days a year provides a holistic approach to meeting the needs of all who enjoy viewing wildlife, but who not be able to always take advantage of it in a live setting.

III. Timeline

It is anticipated, upon receipt of a funding award, that the City will follow the federal guidelines and regulations to procure for engineering and construction as a result of the federal funding included with this project. Design for this project is already complete, so upon completion of approval of notice to proceed from the Nebraska Game and Parks, the City anticipates the following is a realistic project timeline.

June 1, 2014:	Award Notice
June 15, 2014:	Environmental/NEPA
July 15, 2014:	Notice to Proceed/Publications accepting Bids
August 15 th 2014:	Award of Bid
September , 2014:	Construction Begins
Sept. – May 1, 2015:	Construction completed
Memorial Weekend 2015:	Ribbon Cutting Ceremony – Open to the Public
June 15 th ,2015:	Close out

IV. Care and Maintenance

The City of South Sioux City's Parks and Recreation staff will provide the ongoing care and maintenance of the observatories, as well as, the signs placed at Crystal Cove as capital improvement funds will be dedicated in the annual budget to provide for the care of the observatories and signs. It is anticipated that an annual operation and maintenance budget of \$10,000 will be reflected in the parks and recreation department for upkeep of the facilities, as well as, any upgrades or repairs that are required to the cameras. Because Crystal Cove is already maintained by the parks and recreation department on a regular basis, the increased amount of expense incurred as a result of this project is fairly limited. At no time will there be any costs to the Pappio-Missouri River Natural Resource District for the operation or maintenance of the area.

V. Project Alternatives

The alternatives to this project are fairly simple and straightforward. The City can either leave things as they are. The present situation allows for the interaction of residents directly in and amongst the natural ecosystems as they exist and compromises the integrity and health of those ecosystems. Or, the City can establish boundaries that continue to allow residents and observers to interact and observe nature in an attractive and innovative way, but do so in the least intrusive manner possible, all the while educating them on their role in helping to preserve the environment and the ecosystem of the habitat living in Crystal Cove.

Given the requests from community entities and the project goal of educating residents on the balancing act that exists between wildlife, mother nature and man, the clear

choice is to provide an attractive, environmentally friendly opportunity for residents to enjoy the natural habitats that exist for both wildlife and aquatic creatures at Crystal Cove, while minimizing the impact to their natural environment. This project, as described and designed, will do just that.

VI. Budget

Crystal Cove Park Wildlife and Fish Observation Stations Cost Estimate Land and Water Conservation Grant Application South Sioux City, Nebraska

ITEM	UNIT	QUANTITY	PRICE	TOTAL
Wildlife & Aquatic Observation Structures	LS	2	\$62,50	\$125,000
Access Path	LF	1	\$7,500	\$7,500
Underwater/Nature Camera	1	2	\$6,250	\$12,500
Mechanical/Electrical	LS	1	\$30,000	\$30,000
Construction Sub-total				\$175,000
Engineering – Design & Construction Observation				\$37,000
Total				\$212,000

VII. Environmental

Environmental Description & Impacts:

- i. Geological Resources – There will be no effect. The fish observation cameras will float under water and have no disturbance upon the environment. The wildlife observation will be constructed above ground. Along the edge of the wetland area.
- ii. Air Quality – There will be no effect.
- iii. Sound (noise impacts) – There will be minimal impact during construction of the wildlife observation deck or the aquatic wildlife observation area.
- iv. Water Quality/Quantity – There will be no effect.
- v. Floodplains/wetlands – The project will be built within the 100 Yr Floodplain. The wildlife and aquatic observation areas will be constructed along the edge of the water and will be built in the floodplain. The entire park is within the floodplain so it is not feasible to relocate either of the structures to another location.

- vi. Land Use – There will be no effect. The site is located in the park. Residential areas surrounding the park will not be affected.
- vii. Circulation, Transportation – There will be no effect. Roads, bike trails, and parking lots already exist so users can use the new facilities.
- viii. Plant/Animal/Fish Species – There will be now effect.
- ix. Accessibility (ADA). The wildlife and aquatic observation areas will be constructed to meet ADA accessibility and access trails will be constructed to meet ADA requirements.
- x. Overall aesthetics – Both will be constructed to match existing construction or to blend with the environment and utilize environmentally friendly or recycled products.
- xi. Historical/Cultural Resources – Should have no effect.
- xii. Socioeconomic – It will be available to everyone at all times,
- xiii. Minority & Low Income – It will be available to everyone at all times.
- xiv. Energy Resources – The cameras will need power to operate. It will probably use electricity and solar power will be considered.
- xv. Contamination/Hazardous Materials – There is no contamination or hazardous materials on the site.
- xvi. Vegetation – Vegetation will be removed from below the wildlife and aquatic area with consideration to disturb as minimal an area as possible. No trees will be removed.
- xvii. Mineral Resources – No known mineral resources on the site.

VIII. Previous Environmental Review

For the Dredging and restoration project completed by the Army Corps of Engineers an Environmental was completed on the Crystal Cove area prior to implementing the rehabilitation and dredging project. A copy and snapshot of that environmental is included.

IX. Permits

The design of the project indicates that less than .3 acre of wetland will be disturbed, and it is not anticipated that the City will be required to submit for a 404 permit. It is believed that no additional permits will be required for the construction of this project. However, if it is discovered that permits are required, the City is fully prepared to comply and apply for such permits.

Plat Map

MISSOURI RIVER

CITY OF SOUTH SIOUX CITY
DAKOTA COUNTY, NEBRASKA

SCALE (FT.)
0 500 1000 2000



Notes:
1. Areas are filled and plat for zoning.
2. 2000-2010 Revision Third Ave. EIS.
3. 2010-2015 Revision First Ave. EIS.
4. 2015-2020 Revision First Ave. EIS.
5. 2020-2025 Revision First Ave. EIS.
6. 2025-2030 Revision First Ave. EIS.
7. 2030-2035 Revision First Ave. EIS.
8. 2035-2040 Revision First Ave. EIS.
9. 2040-2045 Revision First Ave. EIS.
10. 2045-2050 Revision First Ave. EIS.

Project Area

Corporate Limits

GATEWAY LAKE

U.S. 77

U.S. 77

US 20 & I-129

18th Street
C Ave
C Street

TURNING ZONE

ZONING LIMITS

LEGEND



PROJECT NO: 09-2242
DRAWN BY: JSL
DATE: 3/20/14

CRYSTAL COVE PROJECT, SOUTH SIOUX CITY, NEBRASKA

OLSSON ASSOCIATES
1707 Dakota Avenue
South Sioux City, NE 68776-2356
TEL 402.494.3059
FAX 402.494.4064

EXHIBIT

1



RECREATION AREA DEVELOPMENT

SPECIAL PROJECT REQUEST APPLICATION

1. DATE: 3/19/2014

2. PROJECT NAME: Papillion Veterans Park Playground Area

3. PROJECT SPONSOR: City of Papillion

ADDRESS: 122 E. Third Street
Papillion, NE 68046

4. CONTACT PERSON: Anthony Gowan

TITLE: Parks and Facilities Director

5. TELEPHONE: 402-597-2049


6. E-MAIL: tgowan@papillion.org

7. PROJECT LOCATION:
 Northwest corner of Veterans Park located at the intersection of South Monroe Street and Halleck Street in Central Papillion

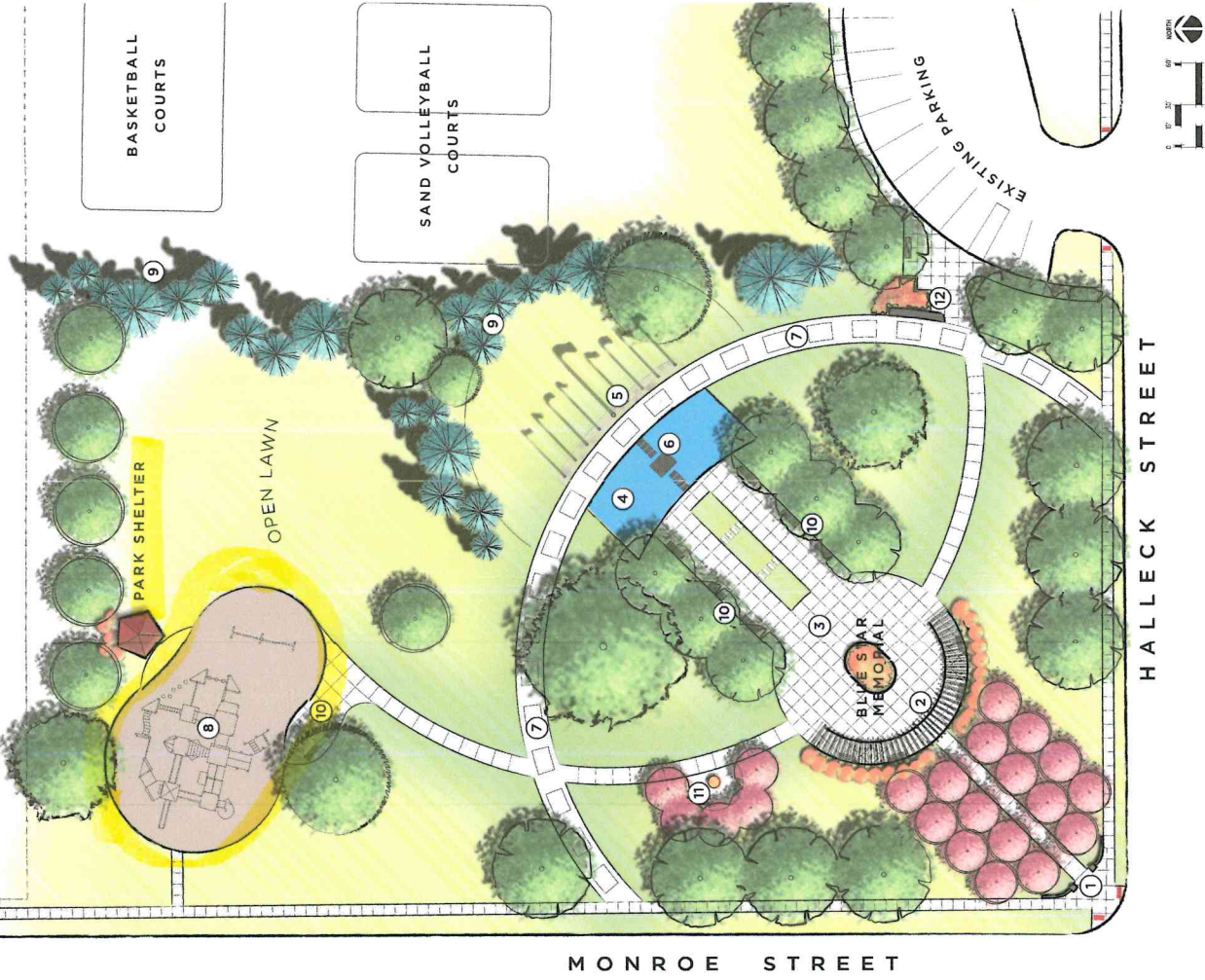
8. DESCRIPTION OF PROJECT:
 The project entails the installation of a new playground area in Veterans Park, replacing an older unit that is outdated and does not meet current standards. This new play area is a part of a new plan for the area, which is a part of the much larger Halleck Park. This new playground is just a part of a larger project that will include new sidewalks, trail connections, and a flag/reflection pond that will honor the men and women who have served in our Nation's Military. The new design is included with these documents, and improvements will begin at the site in 2015. The playground and tree plantings will be among the first improvements at the site.

9. TOTAL ESTIMATED COST: \$ 205,000.00 40,000 Park shelter

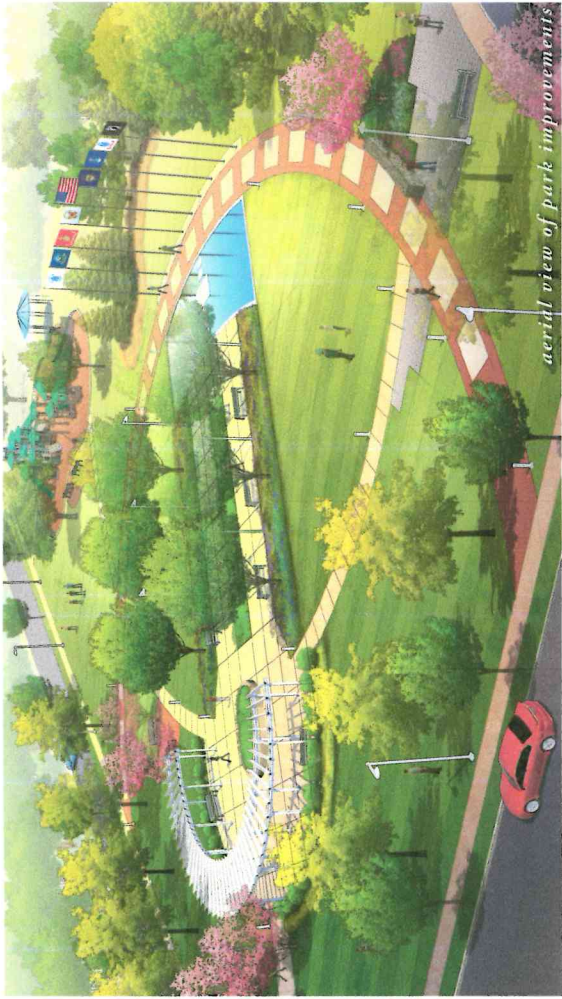
10. COST SHARE REQUESTED: \$ 50,000.00 20,000 - EW

11. SIGNATURE/TITLE:  PARKS AND FACILITIES DIRECTOR

Conceptual Park Master Plan



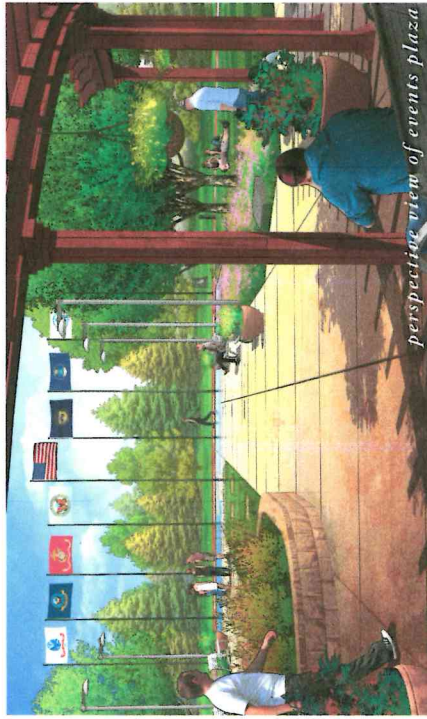
Park Renderings



Concept Narrative

Park elements are organized to take full advantage of the strong axial view from the corner of Monroe and Halleck Streets. The park features a series of stone pillars and short walks on either side of the sidewalk. The walls, possibly made of natural stone or brick, would include signage identifying Veterans Park. A double row of ornamental trees along the entrance path creates a welcoming view into the park. Species of these trees could include Redbuds, Dogwoods, or Serviceberries that provide spectacular color and shade for the playground (2). The plaza (3) provides some shelter and seating opportunities within the events plaza (3). The linear plaza ends at a shallow reflecting pool (4) that mirrors the service, national, state and city flags (5) in a smooth plane of water. During events, the slightly raised platform (6) within the reflecting pool provides an ideal location for a podium or focal point.

A timeline of military engagements (7) runs along the primary arched path. The timeline might include the title of engagement and location engraved onto cast stone pieces inlaid in brick pavers. A secondary arch connects the existing parking lot, events plaza, and USA themed playground (8). A dense evergreen screen (9) separates recreational park uses to the east and creates a sense of enclosure. The stone benches (10) throughout the park provide seating and thoughtful reflection opportunities. A smaller gathering space creates a reflection node (11) off of the path. A secondary entrance from the parking lot includes park signage wall (12) as well as benches for drop-off/pick-up.



Inspirational Imagery



VETERANS CELEBRATION PARK
VISION CONCEPT
 PAPILLION, NEBRASKA
 NOVEMBER 8, 2013

Opinion of Probable Costs- Concept A

Item	Quantity	Unit	Unit Price	Total
Mobilization (6%)	1	LS	45,610	\$45,610.00
Site Preparation / Strip Topsoil	1	LS	\$10,000.00	\$10,000.00
Remove Exg. Concrete Walks	3,872	SF	\$2.00	\$7,744.00
Remove & Relocate Exg. Flagpole	1	LS	\$2,500.00	\$2,500.00
Remove Exg. Playground	1	LS	\$15,000.00	\$15,000.00
Remove Exg. Trees	4	EA	\$350.00	\$1,400.00
Stormwater Management	1	LS	\$20,000.00	\$20,000.00
Water Service Allowance	1	LS	\$10,000.00	\$10,000.00
Relecting Pool (non-recirculating)	1	LS	\$150,000.00	\$150,000.00
Concrete Walks (4")	12,962	SF	\$4.50	\$58,329.00
Specialty Paving for Plaza	3,825	SF	\$12.00	\$45,900.00
Timeline Art Installations	23	LS	\$2,000.00	\$46,000.00
Relection Node Monument	1	LS	\$5,000.00	\$5,000.00
Entry Wall (from neighborhood)	1	LS	\$15,000.00	\$15,000.00
Entry Pergola	770	LF	\$55.00	\$42,350.00
Playground (USA Themed)	1	LS	\$150,000.00	\$150,000.00
Park Shelter	1	EA	\$40,000.00	\$40,000.00
Benches	9	LS	\$1,200.00	\$10,800.00
Signage (from parking)	1	LS	\$4,000.00	\$4,000.00
Park Lighting	1	LS	\$30,000.00	\$30,000.00
Oranamental Trees	41	EA	\$250.00	\$10,250.00
Evergreen Trees	23	EA	\$375.00	\$8,625.00
Shade Trees	32	EA	\$350.00	\$11,200.00
Park Lawn Seeding	1.60	AC	\$1,000.00	\$1,600.00
Irrigation System	66,400	SF	\$0.95	\$63,080.00
			Total:	\$804,388.00
Contractor General Conditions, O&P		15%		\$120,658.20
Construction Contingency		20%		\$160,877.60
Design and Administration Fees		15%		\$42,230.37
			Total:	\$1,128,154.17

NOTES:

1. Cost Excludes Burial of Overhead Power
2. All costs based upon 2013 construction costing data

Sarpy County, Nebraska



Disclaimer: This data is for informational purposes only, and should not be substituted for a true titles search, property appraisal, survey, or for zoning district verification. Sarpy County and the Sarpy County GIS Coalition assume no legal responsibility for the information contained in this data.

Map Scale
1 inch = 290 feet

3/18/2014



March 3, 2014

Mr. Eric Williams
Natural Resources Planner
Papio-Missouri River Natural Resources District
8901 South 154th Street
Omaha, NE 68138-3621

MAR - 4 2014

RE: Urban Drainageway Program
Thompson Creek Channel Improvement Project
Request for Revised Funding

Mr. Williams:

Thanks to you and Marlin Petermann for taking time to meet with me last Thursday to discuss the current status of our Thompson Creek Channel Improvement project. As discussed at the meeting, our project has been delayed due to the need to reach agreement with three utility companies on plans and costs to relocate their existing facilities from the creek channel. We have also received cost estimates from our consultants based on 90% complete construction plans that exceeded the preliminary estimates that were provided when grant applications were made previously. In addition, the NET and NDEQ did not award grants in the amounts we originally requested in fall of 2012 and did not approve requests for additional funds in the grant requests submitted in fall of 2013. At this time we are awaiting final relocation cost estimates from the utility companies and the consultants have identified a list of cost reductions for consideration.

In April of 2013, we received a letter from the PMRNRD notifying the City that \$60,000 would be included in the FY 14 budget and two future years of funding being anticipated subject to actual budget approvals in each year. The notification indicated we needed to use and request reimbursement by June 1, 2014. At this time, due to the delays described above, I am writing to give notice that we will not be able to use the \$60,000 by June 1, 2014. We anticipate the channel improvement work to commence in November of this year and be completed during the summer of 2015. Further, while we are doing what we can to cut costs on this project, we do need to request an increase in funds. The original anticipation was \$636,000 from the PMRNRD for 60% of the eligible local share costs. I am requesting an increase to

City Hall

8116 Park View Blvd.
La Vista, NE 68128-2198
p: 402-331-4343
f: 402-331-4375

Community Development

8116 Park View Blvd.
p: 402-331-4343
f: 402-331-4375

Fire

8110 Park View Blvd.
p: 402-331-4748
f: 402-331-0410

Golf Course

8305 Park View Blvd.
p: 402-339-9147

Library

9110 Giles Rd.
p: 402-537-3900
f: 402-537-3902

Police

7701 South 96th St.
p: 402-331-1582
f: 402-331-7210

Public Works

9900 Cornhusker Rd.
p: 402-331-8927
f: 402-331-1051

Recreation

8116 Park View Blvd.
p: 402-331-3455
f: 402-331-0299

\$712,000 over the next two years. We would like to get as much of the funding in your FY 15 budget as possible, since the majority of the construction costs are expected in that time period. However, final completion of the construction is not expected until after June 1, 2015.

From our conversation, I understood that I do not need to submit the Urban Drainageway Program application. If you need further details on the costs of this project beyond what I shared at our meeting, I will provide them.

Requested by:

A handwritten signature in blue ink, reading "John M. Kottmann", is written over a horizontal line.

John M. Kottmann
City Engineer

Cc file

**Capital Improvement Program
2015-2019
Project Detail**

20140227
12:30


Project Title PWP-12-002 **Project Year**

Project Type Improvement **Department** Public Works-Parks
Contact Public Works Director

Project Description
Part 2 of this project is the stabilization of creek banks to protect remaining homes from erosion, provide for watershed management improvements and provide space for future trail installation along Thompson Creek. Part 1 of this project included the acquisition and demolition of 24 homes.

Category Thompson Creek Channel **Priority** 1-Critical **Useful Life** 50+ Years

Project Justification
Due to major channel degradation resulting in loss of fences, backyards, sheds and garages, an extensive study of several alternatives for Thompson Creek from 72nd Street to the golf course was undertaken. In March of 2008 the City Council identified a preferred solution to the erosion problems in this area and directed staff to pursue funding. Part 1 of this plan included the acquisition of 24 homes which was funded in large part by a FEMA Hazard Mitigation Grant and assistance from the PMRNRD. In conjunction with the channel stabilization work there is a need to promote the reduction of storm water runoff volume and velocity through watershed management actions. That will reduce the potential for future erosion.

Operational Impact Storm water filtering areas will require ongoing maintenance.

Goal

Expense Categories	Project						
	Costs	2014/Prior	2015	2016	2017	2018	2019
Planning/Study/Monitor-01	90,000	50,000		40,000			
Engineering Design-02	374,000	262,000	102,000	10,000			
ROW/Land Acquisition							
Construction Costs-03	1,945,000	70,000	1,835,000	40,000			
Legal Expenses							
Equipment/Furnishings							
Vehicles							
Educ & Outreach-04	360,000	100,000	200,000	60,000			
Total Estimated Cost	2,769,000	482,000	2,137,000	150,000	0	0	0

Budget Impact	2015	2016	2017	2018	2019
Insurance					
Maintenance					
Other					
Staff (Salary, Benefits)					
Utilities					

Funding Sources	Project						
	Funding	2014/Prior	2015	2016	2017	2018	2019
Federal Funding (Stimulus)							
G.O. Bonds							
General Fund							
Grants-NET	1,000,000	200,000	700,000	100,000			
Grants-NDEQ/319 NPS	450,000	150,000	150,000	150,000			
Grants-PMRNRD	712,000		616,000	96,000			
Inter-Agency Transfers			412,000	300,000			
Lottery							
Other-Misc Grants TBD	100,000		100,000				
Public Safety Bonds							
Sales Tax	507,000	132,000	311,000	64,000			
Sewer Fund							
TIF							
Warrants							
Total Estimated Funding	2,769,000	482,000	1,877,000	410,000	0	0	0

- Is this project part of the City's Comprehensive Plan? Yes
- Is this project part of the City's Park & Rec Master Plan? Yes
- Is this project part of the City's One & Six Year Road Plan? No
- Is this project part of the City's Municipal Facilities Plan? No
- Is this project part of the City's IT Plan? No

Please attach a GIS map and/or photographs showing the location of the proposed project

HUNTINGTON PARK CHANNEL REHABILITATION

URBAN DRAINAGEWAY PROGRAM APPLICATION

SID No 374, DOUGLAS COUNTY,
HUNTINGTON PARK

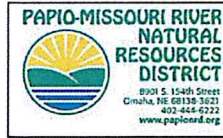
PREPARED BY:
DAREN KONDA, P.E., PROJECT MANAGER

THOMPSON, DREESSEN & DORNER, INC.
10836 OLD MILL ROAD
OMAHA, NE 68154
PHONE: (402) 330-8860
FAX: (402) 330-5866

CONTENTS

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COST ESTIMATE	13
IMPLEMENTATION SCHEDULE	14
ENVIRONMENTAL ACCEPTABILITY STATEMENT	15
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APPLICATION



URBAN DRAINAGEWAY PROGRAM

SPECIAL PROJECT REQUEST APPLICATION

1. DATE: March 18, 2014

2. PROJECT NAME: Huntington Park Channel Rehabilitation

3. PROJECT SPONSOR: Sanitary and Improvement District 374, Douglas County

ADDRESS: c/o Mr. Dennis P. Hogan III, Attorney
10250 Regency Circle, #300
Omaha, Nebraska 68114

4. CONTACT PERSON: Dennis P. Hogan

TITLE: Attorney

5. TELEPHONE: 402-397-5500

6. E-MAIL: dhogan@cheblaw.com

7. PROJECT LOCATION (attach location map):
Huntington Park, at the northwest corner of 156th and Blondo Streets (see attachments).

8. DESCRIPTION OF PROBLEM (attach additional sheets as needed):
The unnamed branch to the North Branch of the West Papillion Creek has severe erosion and degradation within the channel. The channel banks are nearly vertical and continue to be undercut and washed away which causes the channel to grow wider; washing sediment and organic material into the creek. The high volume of runoff passing through this channel with unstable bed and banks deteriorates the quality of water flowing in the creek, threatens utilities and threatens property adjacent to the banks (see attachments).

9. PROPOSED SOLUTION (attach additional sheets as needed):
Rehabilitate the existing channel by using bioengineering techniques, constructing grade control structures and lengthening the channel.

10. PROJECT FUNDING LEVEL: LEVEL 1: LEVEL 2: LEVEL 3: X
(Attach justification for funding level selected – see program guidelines)

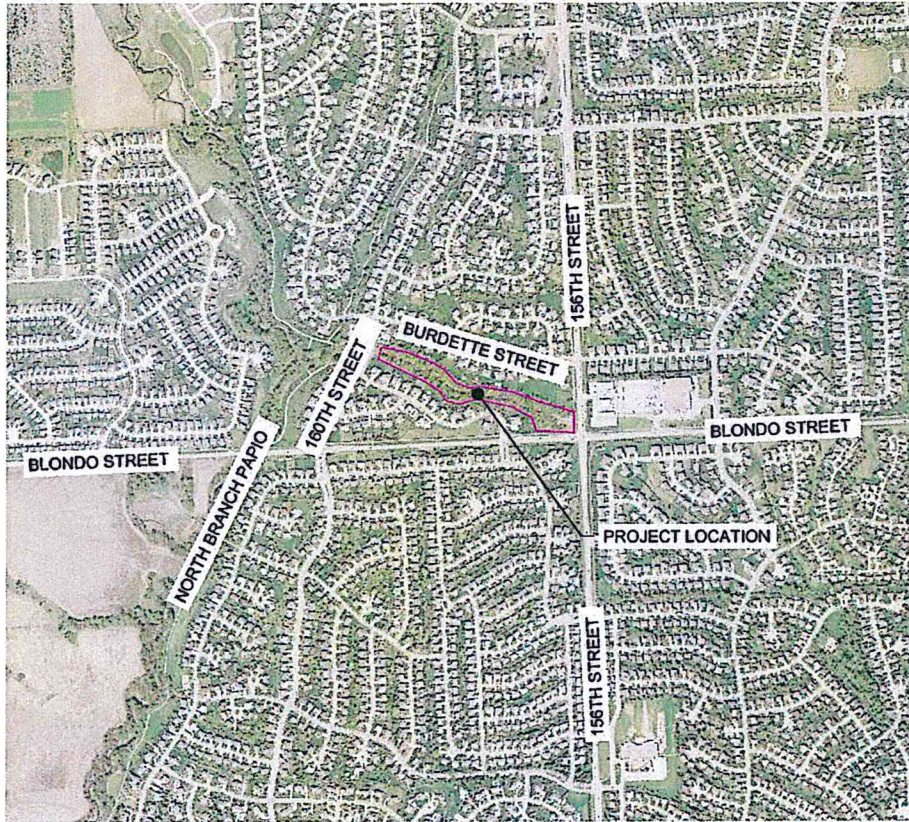
11. TOTAL ESTIMATED COST: \$ 2,066,130.00

12. COST SHARE REQUESTED: \$ 826,452.00

13. SIGNATURE/TITLE: Dean A. Kowalski

FORM 17.17

LOCATION MAP



Job Number: 920-129
Thompson, Dressen & Dorner, Inc.
10936 Old Mill Rd
Omaha, NE 68154
p.402.330.8860 www.td2co.com

Date: 03-05-14
Drawn By: BPH
Reviewed By: DAK
Revision Date: ..

Huntington Park Channel Rehabilitation

Location Map

Page 1 of 1

EXISTING CONDITIONS

The existing condition of the unnamed tributary to the North Branch of the West Papillion Creek, running through SID No. 374, Douglas County Huntington Park, shows severe channel erosion and degradation. Existing grade control structures throughout the length of the channel have failed causing large washouts along the channel sides (see photos: 1 and 1A page 6). The channel banks are nearly vertical and continue to be undercut and washed away causing the channel to grow wider as sediment and organic material washes into the creek. The high volume of runoff passing through this channel with its unstable bed and banks deteriorates the water quality flowing in the creek, threatens utilities, and endangers property adjacent to the banks (see photos: 2 and 2A, page 7).

At the upstream end of the channel, an 8' x 10' box culvert and an 84" RCP culvert discharge into the channel. The outlet areas of these two structures continue to washout and erode despite previous efforts to repair the area with rip rap (see photos: 3 and 3A, page 8). Approximately 100 feet downstream of the culverts, a 52" CMP discharges into the south side of the channel causing severe channel erosion problems. This section of work is proposed to be completed under the City of Omaha Public Works Department 156th Street Improvements in late 2015 or early 2016.

Further downstream an 18" CMP with a pile bent structure sits approximately 10 feet from the channel bank, out in the middle of the channel (see photos: 4 and 4A, page 9). This photo illustrates how far back the channel side slopes have eroded since the installation of the pile bent in the early 1990's.

Mature trees exist through the proposed project area and possess significant value in keeping. However, some of the existing mature trees are in poor condition due to their supporting soils being undercut and exposing their roots. Once undercut, these trees periodically fall into channel. There are also numerous "junk" trees populating the project area.

Exhibit photos P1 thru P10 can be seen on Exhibit C1.0. These photos further show existing conditions, the I.D. numbers reference the photo location and direction of view.

The City of Omaha provided correspondence to SID No. 374, Douglas County on March 12, 2013 expressing support for this project from both City of Omaha Finance and Public Works Departments. This project was recommend for funding by NRD staff in 2013 but was not included in the fiscal year budget. Prior to 2013 the project was approved for funding by the NRD in 2011, but the City of Omaha did not approve the expenditure by SID No. 374 at that time.

Existing Conditions Photos 1 and 1A



PHOTO 1: This 2011 photo shows the massive washout below the existing grade control structure and how water is being forced below the structure and along the bank. With further degradation, the vertical slopes may encroach on the sanitary outfall sewer located along the channel's south side.



PHOTO 1A: This 2014 photo shows the washout below the existing grade control structure has become larger and has moved further to the south. Water forced below the structure and along the bank is causing additional channel bank erosion. The vertical slope has encroached closer to the sanitary outfall sewer located at the channel's south side.

Existing Conditions Photo 2 and 2A



Photo 2. This 2011 photo shows the nearly vertical side slopes present along the channel banks and the way the channel undercuts the side slopes and washes sediment downstream.



PHOTO 2A: This 2014 photo shows the progression of erosion along the channel banks and the nearly vertical side slopes.

Existing Conditions Photo 3 and 3A



Photo 3. This 2011 photo is taken from standing at the outlet of the 8' x 10' box culvert and the 84" RCP culvert, while looking downstream. The significant washout and erosion along the side slopes can be seen. The large washout of rip rap and movement of rip rap downstream can also be seen in the photo.



PHOTO 3A: This 2014 photo taken in the same location facing upstream shows the additional bank erosion and transport of rip rap.

Existing Conditions Photo 4 and 4A



Photo 4. This 2011 photo shows an existing 18" CMP and pile bent structure exposed in the channel. The end of the CMP and pile bent structure were originally constructed at the edge of the channel bank. This photo shows how the channel has eroded approximately 10 feet wider behind the pile bent structure and 6 feet deeper than when originally installed.



PHOTO 4A: This 2014 photo shows the channel has eroded approximately 1 foot wider since 2011. The bank on the opposite side of the channel has become more vertical.

PROPOSED IMPROVEMENTS

The proposed improvements designed for this project repair existing erosion to the channel and side slopes, while creating a more sustainable channel grade to prevent future degradation. We propose the following methods, products, and materials:

- Lengthening the channel
- Restoring natural channel bends
- Open cell articulated concrete blocks
- Grade control structures
- Energy dissipaters
- High strength turf reinforcement mats
- Organic fiber turf reinforcement mats
- Coir logs
- Fascine bundles
- Vegetated retaining wall
- Flood control bench

Measures and Benefits

Open cell articulated concrete blocks will be used to armor the channel in areas where severe erosion has occurred and is anticipated to occur in the future. The block's open cell nature allows them to fill with soil and become a stable zone for root growth, while the concrete helps shield the channel from eroding and washing sediment downstream.

Grade control structures placed throughout the length of the channel constructed with earth fill will have the open cell articulated concrete blocks placed over them. The earth fill, placed to create a small check dam in the channel, will create ponding behind the grade control structure. This ponded area enhances habitat, allows for additional infiltration, and restores a connection to the original floodplain. The ponding also reduces velocity in the channel, allowing sediment to deposit and create more stability.

We propose energy dissipaters constructed at the outlet of the 8' x 10' box culvert extension and the 84" RCP culvert extension be constructed under the City of Omaha Public Works Department 156th Street Improvements project at the upstream end of the channel located at 156th Street. At this outlet, open cell articulated concrete blocks will armor this portion of the channel experiencing high velocities of water discharging from the culverts. The energy dissipating structures constructed within the open cell articulated concrete blocks help reduce the energy of the water as it comes out of the culverts.

High-strength turf reinforcement mat placed along the channel will help stabilize vegetation on channel side slopes. The matting protects the seed during establishment and helps permanently reinforce the vegetation.

Organic fiber turf, reinforcement mat placed in the upper area of the new channel side slopes will help establish vegetation in the area. This area is above the expected high water mark and will not experience flowing water except in severe flooding conditions.

Coir logs placed on both sides of the channel will aid in establishing channel alignment. Placed above the open cell articulated concrete blocks and the high strength turf reinforcement mat the logs provide a defined barrier between the newly graded channel and the upper portion of the project area not expected to experience flows. They will also collect and hold mineral and organic particles promoting root growth and slowly degrade leaving nutrients for the vegetation.

Fascine bundles placed on both sides of a majority of the channel's length will act as mini-dam structures holding soil fill on the face of the stream. Installed above the coir logs, the bundles constructed from dormant willow, alder or shrub dogwood trees, will be incorporated into the organic fiber turf reinforcement mat and provide a natural barrier between the disturbed and undisturbed project areas.

Constructed at the west (downstream) end of the project area, between the downstream grade control structure and the existing twin 8' x 10' box culvert, both vegetated retaining walls and a flood control bench will help provide a stable area and additional stormwater storage in extreme flood conditions when the box culvert does not have enough capacity. The vegetated retaining wall also limits the amount of disturbed project area.

See Exhibit C2.0 for proposed site plan.

This restoration project meets the Urban Drainageway Program Level 3 Rehabilitation. This drainageway restoration project affects the reach of the drainageway between 156th Street and 160th Street, adding length to the existing channel but is generally confined to the existing channel pattern. The bioengineering and structural techniques employed will enhance habitat, improve water quality, and provide flow retention. A limited hydraulic connection to flood plain will be restored and pools for groundwater recharge created.

PROJECT JUSTIFICATION

The following items justify the SID No. 374, Douglas County Huntington Park Channel Rehabilitation project:

- Repairs existing degraded channel bed and banks and storm sewer outlets.
- Prevents future damage to the sanitary sewer outfall directly south of the deteriorated channel.
- Preserves and restores the natural buffer unique to the area along the channel.
- Enhances stormwater quality and minimizes continued sediment transport from the channel bed and banks thus improving water quality.
- Minimizes the amount of potential yearly maintenance required to remove fallen, mature trees in the channel and maintaining storm sewer outlet areas.

It is our commitment and our responsibility to preserve the natural resources and to be proactive in our efforts to minimize expensive restoration and/or maintenance work in the future.

COST ESTIMATE

Huntington Park Channel Rehabilitation					
TD2 Project Number: 920-129					
Estimated Construction Cost					
Item	Description	Approx. Quantity	Unit	Unit Price	Amount
1	Clearing and Grubbing	1	L.S.	\$100,000	\$100,000
2	Erosion Control	1	L.S.	\$30,000	\$30,000
3	Channel Grading, In Place	15,000	CY	\$15	\$225,000
4	Articulated Concrete Block, in place	44,300	S.F.	\$15	\$664,500
5	Existing Storm Sewer Rehabilitation	1	L.S.	\$10,000	\$10,000
6	N.A.G. C125BN Organic Erosion Control Mat	6,400	S.Y.	\$12	\$76,800
7	N.A.G. SC250 Erosion Control Mat	4,300	S.Y.	\$10	\$43,000
8	Native Grass Seed	3.5	A.C.	\$2,000	\$7,000
9	Vegetated Retaining Wall	4,400	S.F.	\$30	\$132,000
10	Coir Logs	4,000	L.F.	\$30	\$120,000
11	Fascine Bundles	4,000	L.F.	\$25	\$100,000
12	2" Caliper Trees	300	EA.	\$350	\$105,000
13	Site/Landscaping Restoration	1	L.S.	\$20,000	\$20,000
SUBTOTAL					\$1,633,300
10% CONTINGENCY					\$163,330
TOTAL ESTIMATED CONSTRUCTION COST					\$1,796,630
ESTIMATED ENGINEERING, SURVEY, AND CONSTRUCTION OBSERVATION COSTS (15%)					\$269,500
TOTAL ESTIMATED COST					\$2,066,130
40% NRD COST SHARE					\$826,452

IMPLEMENTATION SCHEDULE

TASK	COMPLETION DATE
Submit Urban Drainageway Program Application	March 18, 2014
Receive funding from NRD	August 15, 2014
Finalize construction plans and documents, complete permit applications, and receive permit approval *	October 1, 2014
Bid Project	November 1, 2014
Begin Construction	November 15, 2014
Finish Construction	May 1, 2015
Final payment to contractor	June 1, 2015
Reimbursement from NRD	July 1, 2015
*Final design will be coordinated with the proposed construction of the culvert improvements under the City of Omaha Public Works Department 156th Street Improvements Project.	

ENVIRONMENTAL ACCEPTABILITY STATEMENT

We expect this project to enhance existing wetlands within the channel rehabilitation scope of work. We do not expect any adverse impacts to affect endangered species or other sensitive environmental features.

Due to the impact on wetlands within the project area and the channel considered a “waterway of the U.S.”, the Huntington Park Channel Rehabilitation will be constructed under the provisions of a United States Army Corps of Engineers Nationwide 404 permit. A preliminary meeting with the Corps of Engineers has identified this project as meeting restoration and enhancement activities.

Because the disturbed project area will be greater than one acre, we expect the channel rehabilitation project to be constructed under the provisions of a permit to discharge storm water from the State of Nebraska and a City of Omaha Grading Permit through the Papillion Creek Watershed Partnership.

We do not anticipate other permits or impacts from this project. To enhance habitat and provide screening we propose trees removed from the channel banks be replaced by planting new trees within a zone above the channel banks.

EXHIBITS C1.0-C4.0



P1 - 160th Street Culvert



P3 - Steel Piling



P5 - Creek Erosion



P7 - Creek Erosion



P9 - Creek Erosion



P2 - Creek Erosion



P4 - Steel Piling



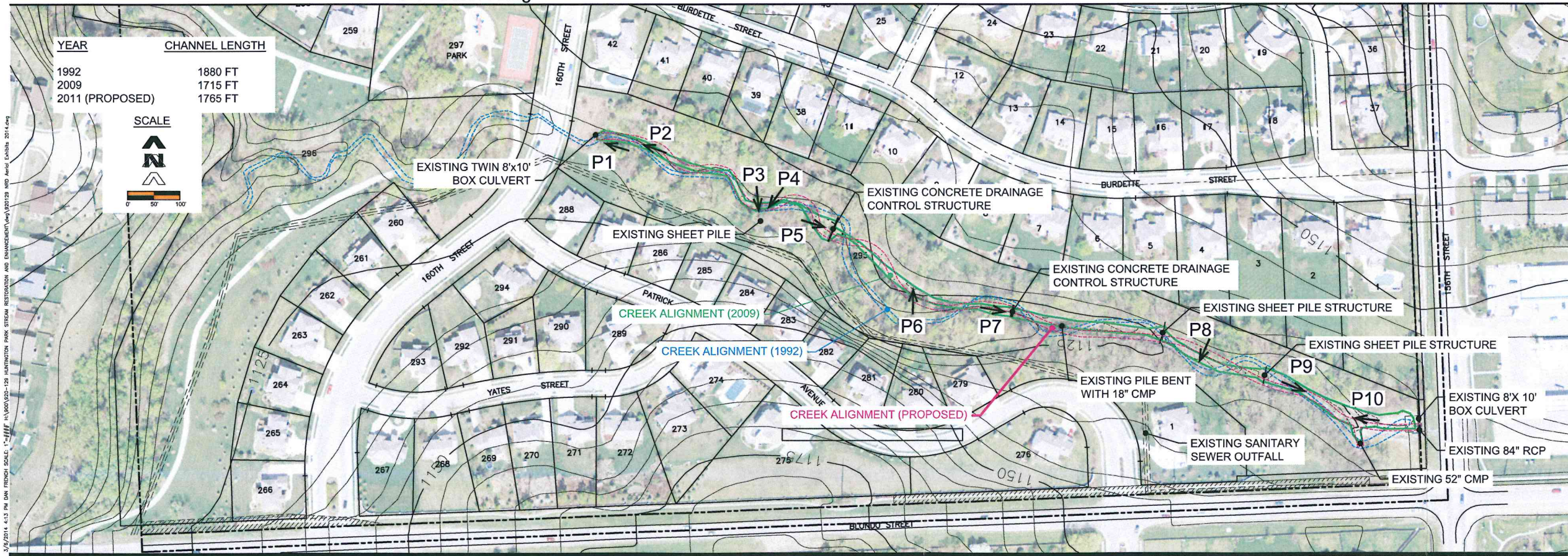
P6 - Creek Erosion



P8 - Creek Erosion



P10 - Creek Erosion



3/7/2014 4:13 PM DAN FRENCH H:\900\920-129 HUNTINGTON PARK STREAM RESTORATION AND ENHANCEMENT\dwg\920129 NRD Aerial Exhibits 2014.dwg



thompson, dreessen & dorner, inc.
10836 Old Mill Rd
Omaha, NE 68154
p.402.330.8860 www.td2co.com

Project Name
Huntington Park Channel Rehabilitation

Client Name
SID 374, Douglas County

Professional Seal

Revision Dates

No.	Description	MM-DD-YY

Drawn By: BPH Reviewed By: DAK
Job No.: 920-129 Date: 03-18-14

Sheet Title
Existing Conditions and Channel Alignment Exhibit

Sheet Number
C1.0

Project Name
**Huntington Park
Channel
Rehabilitation**

Client Name
**SID 374, Douglas
County**

Professional Seal

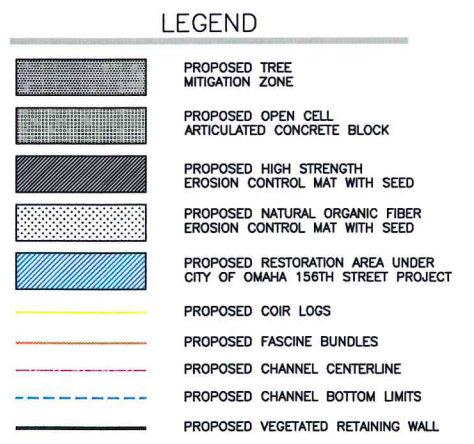
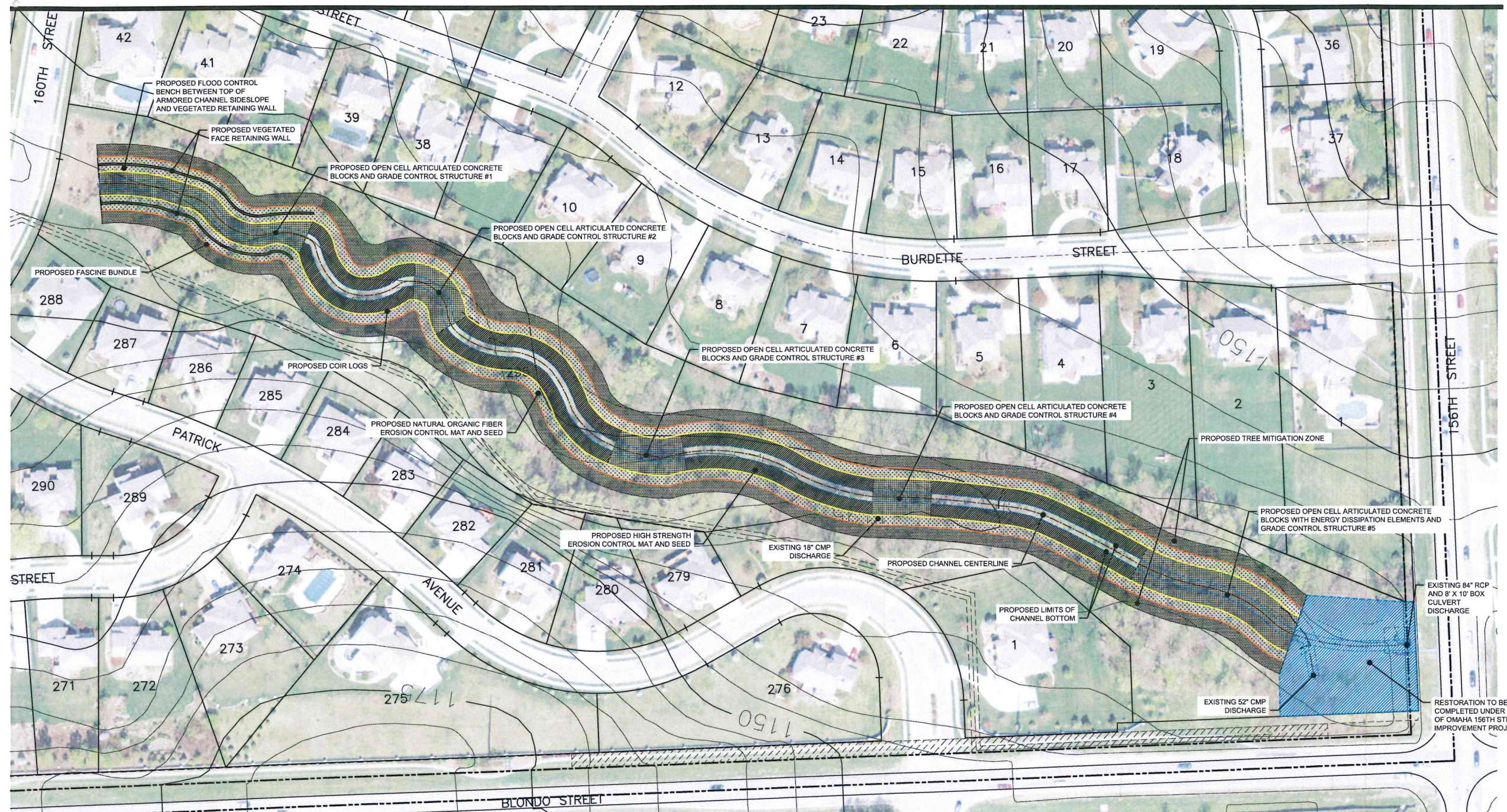
Revision Dates

No.	Description	MM-DD-YY

Drawn By: BPH Reviewed By: DAK
Job No.: 920-129 Date: 03-18-14

Sheet Title
Proposed Site Plan

Sheet Number
C2.0

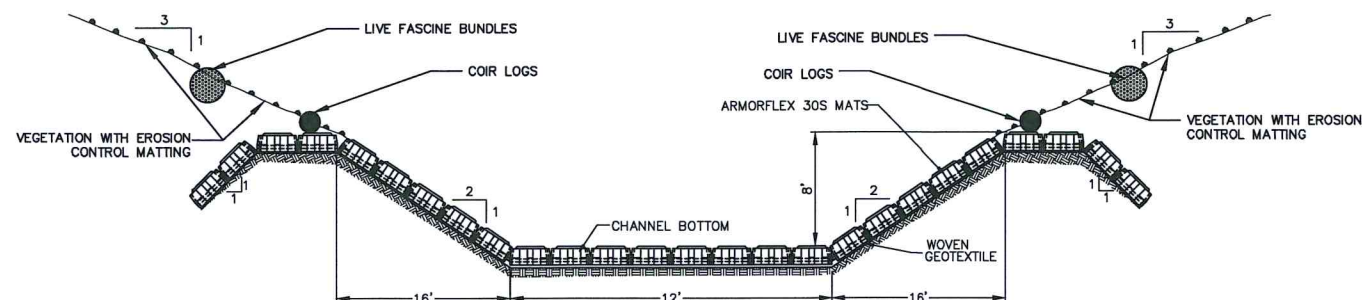




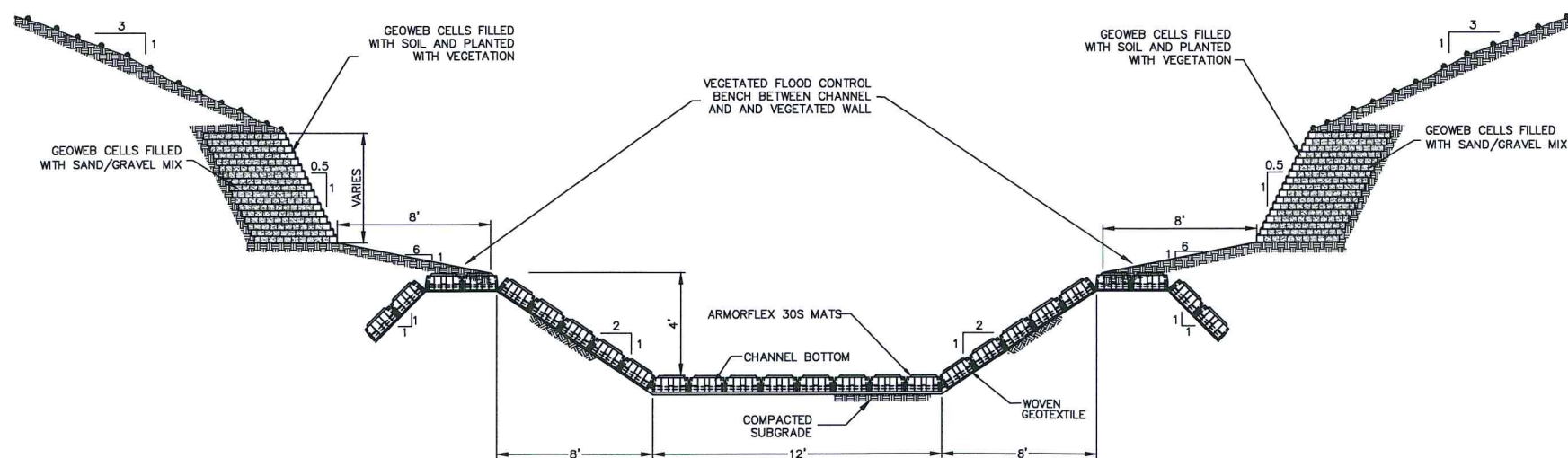
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10836 Old Mill Rd
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Project Name
**Huntington Park
Channel
Rehabilitation**

Client Name
**SID 374, Douglas
County**



**TYPICAL CHANNEL LINING CROSS SECTION
WITH ARTICULATED CONCRETE BLOCKS**
NOT TO SCALE



**TYPICAL CHANNEL CROSS SECTION WITH
ARTICULATED BLOCKS, FLOOD CONTROL
BENCH AND VEGETATED WALL**
NOT TO SCALE

Professional Seal

Revision Dates

No.	Description	MM-DD-YY

Drawn By: BPH Reviewed By: DAK
Job No.: 920-129 Date: 03-18-14

Sheet Title
**Proposed Typical
Cross-Sections**

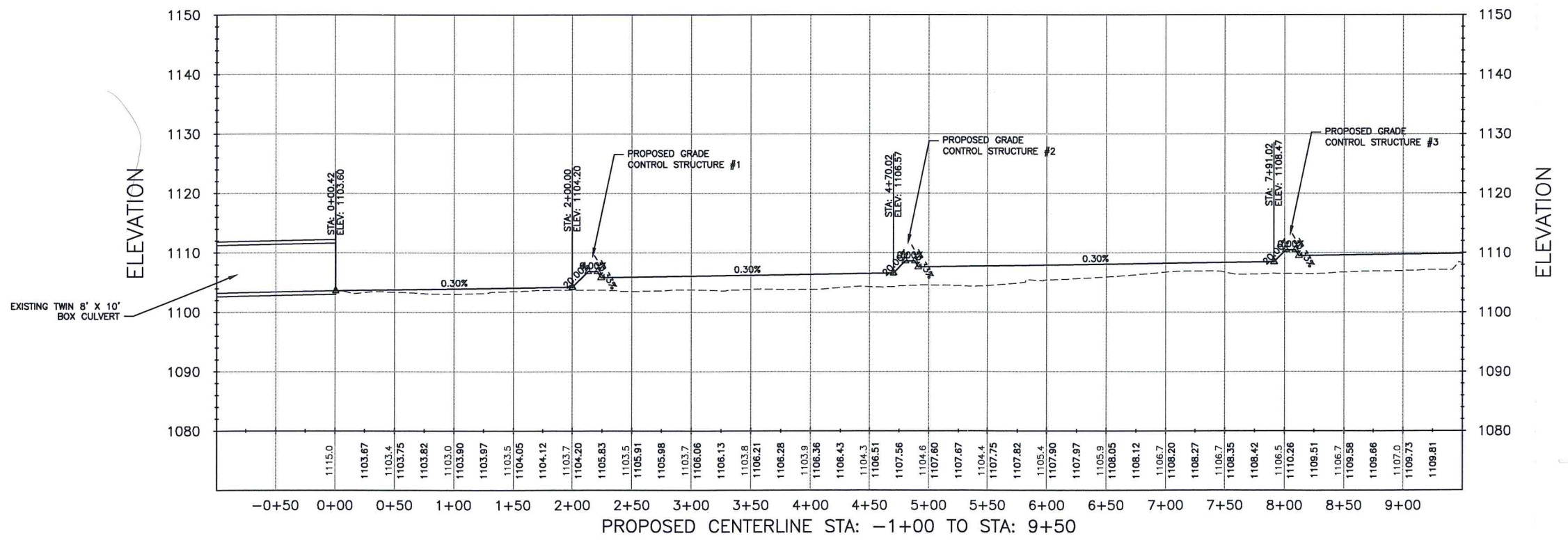
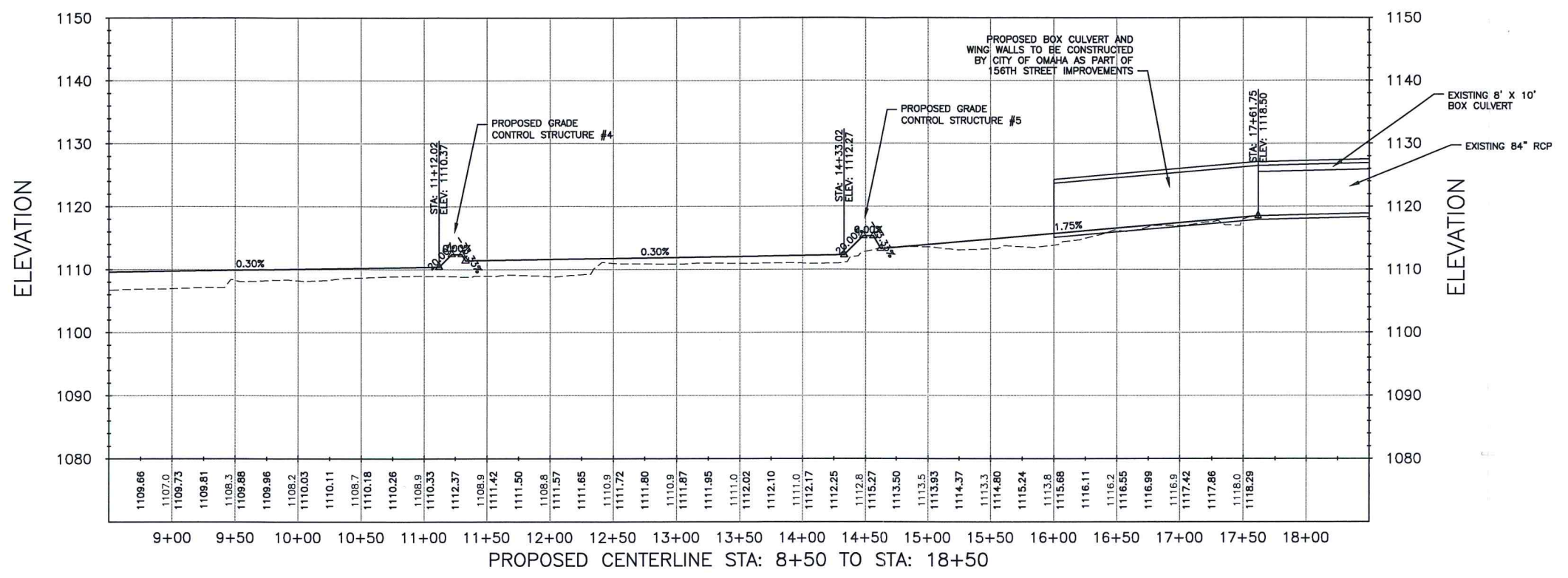
Sheet Number
C3.0



thompson, dreesen & dorner, inc.
10836 Old Mill Rd
Omaha, NE 68154
p.402.330.8860 www.td2co.com

Project Name
Huntington Park Channel Rehabilitation

Client Name
SID 374, Douglas County



Professional Seal

Revision Dates

No.	Description	MM-DD-YY

Drawn By: BPH Reviewed By: DAK
Job No.: 920-129 Date: 03-18-14

Sheet Title
Proposed Channel Profile

Sheet Number
C4.0



URBAN DRAINAGEWAY PROGRAM

SPECIAL PROJECT REQUEST APPLICATION

1. DATE: 3/21/2014

2. PROJECT NAME Donahue Drainageway Project

3. PROJECT SPONSOR: Village of Waterloo

ADDRESS: 509 S Front St
PO Box 127
Waterloo, NE 68069

4. CONTACT PERSON: Melissa Johnson

TITLE: Village Clerk

5. TELEPHONE: 402-779-2292

6. E-MAIL mjohnson@waterloone.com

7. PROJECT LOCATION (attach location map):

Donahue Creek, Waterloo, NE

8. DESCRIPTION OF PROBLEM (attach additional sheets as needed):

The Donahue Creek has become silted in and over grown with weeds and brush and no longer drains effectively

9. PROPOSED SOLUTION (attach additional sheets as needed):

The channel needs cleaned out and shaped to a stable condition to prevent future bend and bank erosion

10. PROJECT FUNDING LEVEL: LEVEL 1: _____ LEVEL 2: X LEVEL 3: X
(Attach justification for funding level selected – see program guidelines)

11. TOTAL ESTIMATED COST: \$ 223,780.00

12. COST SHARE REQUESTED: \$ 134,268.00 89,512

13. SIGNATURE/TITLE: Melissa Johnson

Project Description:

The Village of Waterloo proposes to clean out an existing channel on the south western side of town. This channel begins at the existing culvert crossing through the flood control levee and drains easterly along the riverside of the levee. Once reaching 2nd St, the channel turns and flows southerly and eventually drains through Blondo St. via an existing culvert. This channel has over the years become silted in and over grown with weeds and brush and no longer drains effectively. This channel would require cleaning out and shaping to a stable condition to prevent future bend and bank erosion. This proposal also includes reseeding and placement of rock rip rap as an erosion control measure at the existing culvert locations.

We anticipate that this project will require a Nationwide 404 Permit through the United States Army Corps of Engineers as it impacts a water of the United States. In addition we anticipate that Minor 408 Approval will be necessary from the USACE due to the projects location which is adjacent to the flood control levee. Although this project is within the levee corridor and will require approval from the USACE, no modifications or impacts to the levee are anticipated or proposed.

Funding Justification:

The reach length of the project includes the entire length of the channel within the corporate limits. Structural techniques to improve the flow include cleaning and reshaping channel and reseeding and using riprap to prevent erosion.



Waterloo Drainage Way Improvement

Waterloo, Nebraska

Created By: SMS
 Date: 3/14/2014
 Revised: XXX/XXX
 Software: ArcGIS 10
 File: Desktop



This map was prepared using information from record drawings supplied by JEO and/or other applicable city, county, federal, or public or private entities. JEO does not guarantee the accuracy of this map or the information used to prepare this map. This is not a scaled plat.

Waterloo Drainage Way Improvement

JEO Project Number: 090189.00

Waterloo, Nebraska

March 2014

Prepared by AV



Item	Unit Cost	Unit	Quantity	Cost
Clearing and Grubbing	\$15,000	LS	1	\$15,000
Remove Debris	\$7,500	LS	1	\$7,500
Excavation	\$10	CY	9000	\$90,000
Seeding & Erosion Control	\$4,000	Acre	3.5	\$14,000
Tree Removal	\$1,000	EA	10	\$10,000
Rock Rip Rap Type C	\$50	Tons	360	\$18,000
Mobilization	\$12,500	LS	1	\$12,500
CONSTRUCTION SUBTOTAL				\$167,000.00
Design Engineering	10%	LS	1	\$16,700.00
Construction Engineering	5%	LS	1	\$8,350.00
USACE 404 Permitting	4%	LS	1	\$6,680.00
USACE Minor 408 Permitting	5%	LS	1	\$8,350.00
ENGINEERING SUBTOTAL				\$40,080.00
Contingency	10%	LS	1	\$16,700.00
TOTAL PROJECT COST				\$223,780.00



URBAN CONSERVATION ASSISTANCE PROGRAM

SPECIAL PROJECT REQUEST APPLICATION

1. DATE: 19 March 2014

2. PROJECT NAME Omaha VIF Bioswale Conversion

3. PROJECT SPONSOR: City of Omaha Stormwater Program

ADDRESS: 5600 South 10th Street
Omaha, NE 68107

4. CONTACT PERSON: Nina Cudahy

TITLE: Environmental Quality Control Manager

5. TELEPHONE: 402-444-3915 x 229

6. PROJECT LOCATION:
 Omaha Vehicle Impound Facility
 7809 F. Street, Omaha, NE 68127
 (southeast corner of facility existing 300' drainage swale preceding Big Papio Levy)

7. DESCRIPTION OF PROBLEM:
 Existing drainage swale and side slopes is 300' x 30' receiving flow from single 36" outfall pipe. Existing swale and slope stabilization is exclusively lined with geosynthetic fabric and cobble rip-rap (< 6" dia). Areas of scour at flared end section of outfall as well as termination of rip-rap at south fence line boundary. Objective is to correct existing scour and convert swale and slopes to vegetated solutions with low flow and post event infiltration opportunities.

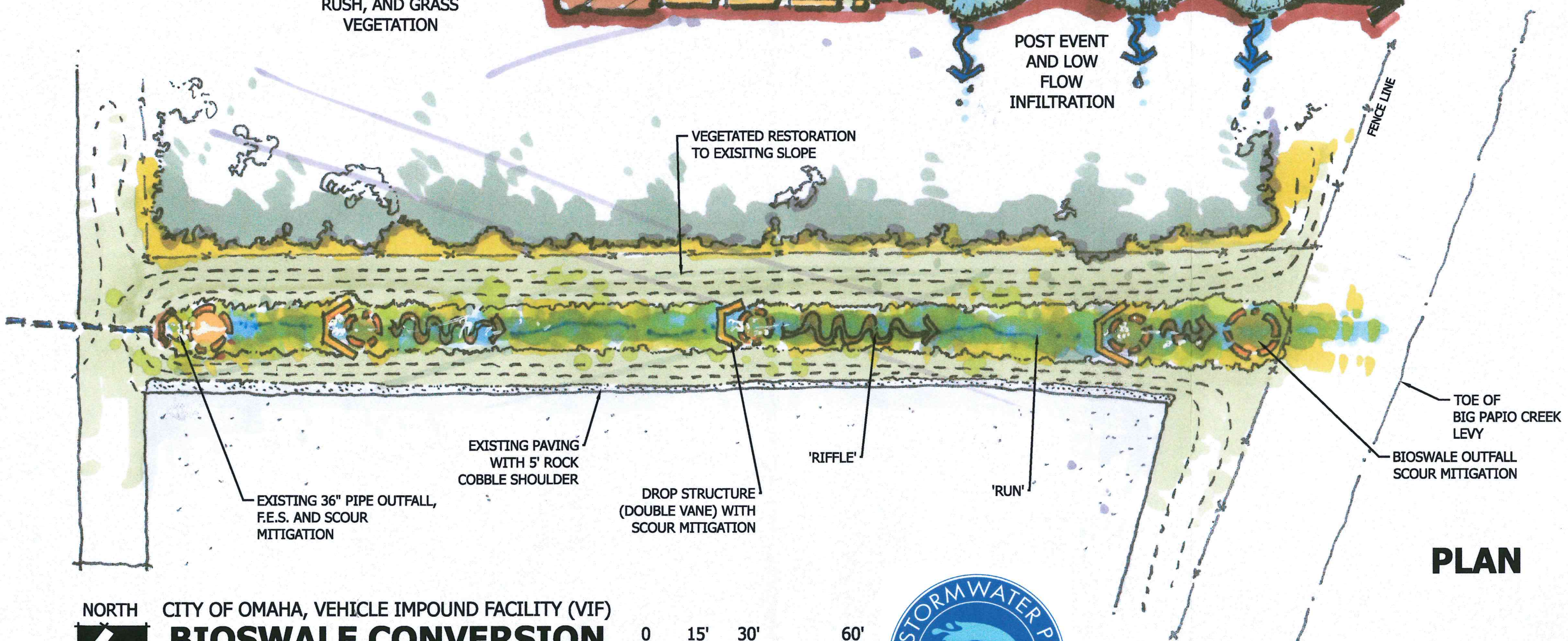
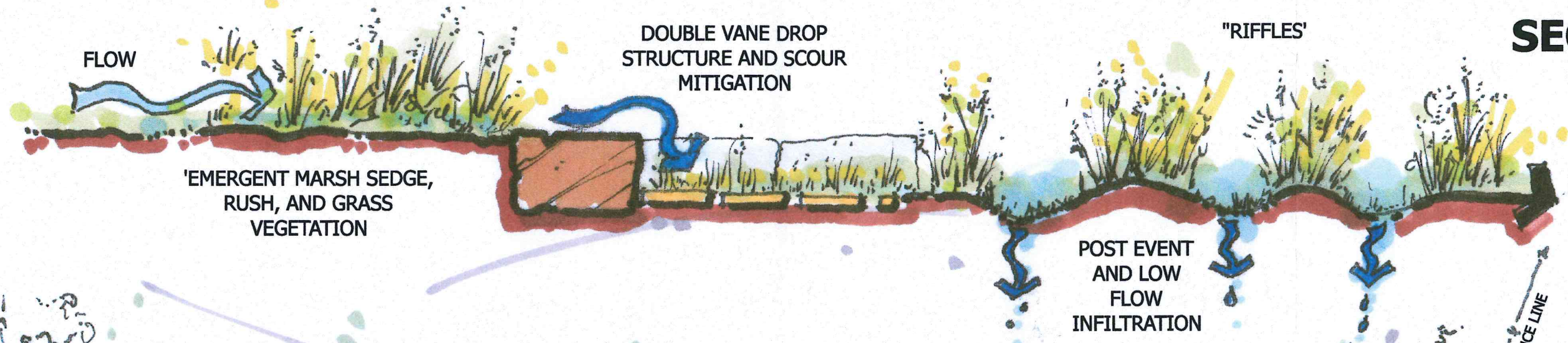
8. PROPOSED SOLUTION:
 Solution to remove all rip-rap and fabric, infill scour issues, and utilize a combination of synthetic soil stabilization and vegetation to form profile of swale and restore side slopes. Solution to incorporate principles of stream formations - intervals of drop structures (double vanes of large slabs), and 'riffles and runs' through landform with synthetic product and vegetation. Top priority to stabilize flow and withstand volume and velocity of outfall pipe at full flow while allow post event pooling within the 'riffles'. Veg to be 'emergent marshland' of sedge, rush, and grass species. Side slopes to be native shortgrass species with biodegradable soil stabilization product through establishment period.

9. TOTAL ESTIMATED COST: \$ 56,500

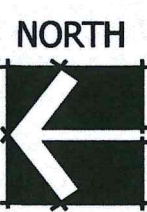
10. COST SHARE REQUESTED: \$ 30,000

11. SIGNATURE/TITLE: Nina Cudahy Env. Quality Control Manager

SECTION

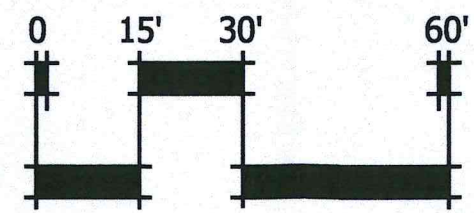


PLAN



CITY OF OMAHA, VEHICLE IMPOUND FACILITY (VIF) BIOSWALE CONVERSION

300' DRAINAGE SWALE AND SIDE SLOPES CURRENTLY FABRIC AND RIP-RAP COVERAGE TO BE MODIFIED TO VEGETATED AND SYNTHETIC STABILIZATION PRODUCT STORMWATER CONVEYANCE





URBAN CONSERVATION ASSISTANCE PROGRAM

SPECIAL PROJECT REQUEST APPLICATION

1. DATE: March 20, 2014

2. PROJECT NAME: Shoreline Stabilization

3. PROJECT SPONSOR: City of Omaha Parks and Recreation

ADDRESS: 1819 Farnam Street, Suite 701
Omaha, NE 68183

4. CONTACT PERSON: John Williams

TITLE: Landscape Architect / Park Planner II

5. TELEPHONE: 402.444.5943

MAR 21 2014

6. PROJECT LOCATION:

Benson Park – 7002 Military Avenue, Omaha, NE
Kiwanis Park – 1524 East Locust Street, Omaha, NE
Levi Carter Park – 809 Carter Lake Shoreline Drive, Omaha, NE

7. DESCRIPTION OF PROBLEM:

Benson Pond and Kiwanis Pond: The shoreline area around each of the ponds is eroding due to wave action. As eroding occurs a shelf or ridge is developed and dislodged sediment is pulled into the pond. This sediment creates more turbid conditions and degrades water quality as well as fish habitat. A primary problem with the sediment build-up is that the area along the shore becomes shallow. This allows a situation where geese may find easy access to the water. This in turn results in a lot of geese waste in the shallow shoreline area, which degrades the water quality and makes for a generally unattractive appearance. The shallow areas along the shore can also result in unwanted vegetation to establish.

Carter Lake: The shoreline area between a fishing deck and the shoreline has become eroded due to repeated wave action. The erosion has caused the access from the shore to the wood fishing deck to settle and create an unsafe condition.

8. PROPOSED SOLUTION:

Benson Pond and Kiwanis Pond: We are proposing to install 4"-8" diameter rip-rap along the shoreline of Kiwanis Park pond. The lip around the pond perimeter shall be removed with excavating equipment to create a smooth, sloped transition into the pond from the surrounding park area. The rock material shall be placed as an 8' wide band around the edge of the pond. Refer to the attached exhibits for the extents of the rip-rap installation. For Benson pond we will be using a product called flex-a-mat, which is an articulated concrete mat that will be placed along the shoreline edge. The lip around the pond perimeter shall be removed with excavating equipment to create a smooth, sloped transition into the pond from the surrounding park area. The flex-a-mat shall be placed as an 8' wide band around the edge of the pond. Of the eight foot wide roll of mat, about 5'-6' will be permanently out of the water and the spaces between the concrete 'blocks' in the mat will be filled with soil and seeded. This will help to further protect from future erosion. Refer to the attached exhibits for the extents of the flex-a-mat installation. Also attached is a cut sheet showing the flex-a-mat product.

Carter Lake: The shoreline area between the fishing platform and shore will be excavated to create a smooth, sloped transition. The concrete access to the platform will also be removed to create the needed transition. We will then install 4"-8" rip-rap along the shoreline area. To replace the concrete access we will use the rip-rap as a base material and fill the voids with smaller aggregate to create a crushed rock access.

Schedule: Once notified of awarded funding the city will procure the materials. Kiwanis pond is the highest priority and will be completed first. All three project areas will be completed by the fall of 2014.

9. TOTAL ESTIMATED COST: \$31,540.00

10. COST SHARE REQUESTED: \$18,924.00

11. SIGNATURE/TITLE:

Brad Paul
Brad Paul
March 21, 2014



**BENSON PARK POND
SHORELINE STABILIZATION**



NOT TO SCALE

BENSON POND - SHORELINE STABILIZATION

ITEM	QTY.	UNITS	UNIT COST	TOTAL
Excavate Shoreline	1	LS	\$1,250.00	\$1,250.00
Flex-a-mat Material	3920	SF	\$4.00	\$15,680.00
Install Flex-a-mat	3920	SF	\$2.00	\$7,840.00
Soil	36	CY	\$15.00	\$540.00
Seeding	2450	SF	\$0.20	\$490.00
SUBTOTAL				\$25,800.00
In-Kind by City				
Excavate Shoreline				\$1,250.00
Install Flex-a-mat				\$7,840.00
soil				\$540.00
Seeding				\$490.00
IN-KIND TOTAL				\$10,120.00
PROJECT TOTAL				\$15,680.00



Lindwood Dr

EXISTING SHORELINE
STABILIZATION

PROPOSED SHORELINE
STABILIZATION

Abbott Dr

E Locust St

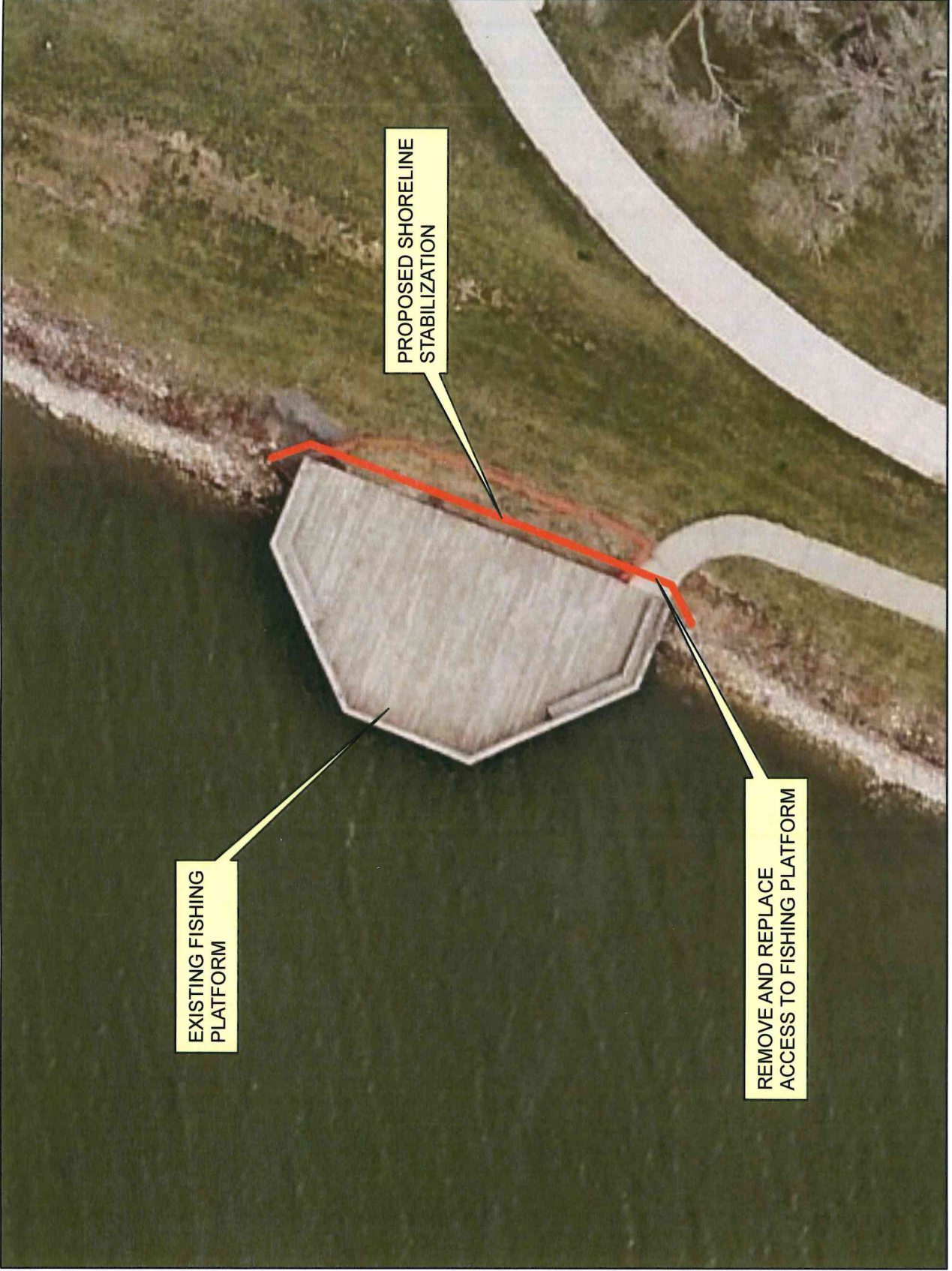
E Locust St

**KIWANIS PARK
POND SHORELINE STABILIZATION**



KIWANIS POND - SHORELINE STABILIZATION

ITEM	QTY.	UNITS	UNIT COST	TOTAL
Excavate Shoreline	1	LS	\$4,000.00	\$4,000.00
4"-8" Rip-Rap	535	TN	\$27.25	\$14,578.75
Install Rip-Rap	1	LS	\$4,000.00	\$4,000.00
SUBTOTAL				\$22,578.75
In-Kind by City				
Excavate Shoreline				\$4,000.00
Install Rip-Rap				\$4,000.00
IN-KIND TOTAL				\$8,000.00
PROJECT TOTAL				\$14,578.75



EXISTING FISHING
PLATFORM

PROPOSED SHORELINE
STABILIZATION

REMOVE AND REPLACE
ACCESS TO FISHING PLATFORM



**CARTER LAKE
FISHING PLATFORM SHORELINE STABILIZATION**

CARTER LAKE - SHORELINE STABILIZATION

ITEM	QTY.	UNITS	UNIT COST	TOTAL
Excavate Shoreline	1	LS	\$750.00	\$750.00
4"-8" Rip-Rap	47	TN	\$27.25	\$1,280.75
Install Rip-Rap	1	LS	\$750.00	\$750.00
SUBTOTAL				\$2,780.75
In-Kind by City				
Excavate Shoreline				\$750.00
Install Rip-Rap				\$750.00
IN-KIND TOTAL				\$1,500.00
PROJECT TOTAL				\$1,280.75

PAPPIO-MISSOURI RIVER
NATURAL
RESOURCES
DISTRICT



8901 S. 1 54th ST.
OMAHA, NE 68138-3621
(402) 444-6222
FAX (402) 895-6543

Form 17.0.B

URBAN CONSERVATION ASSISTANCE PROGRAM

SPECIAL PROJECT REQUEST

MAR 21 2014

1. **DATE:** 21 March 2014
2. **PROJECT NAME:** Keystone Trail/Hillside Little League Park Culvert Outflow Erosion
3. **PROJECT SPONSOR:** Omaha Parks, Recreation & Public Property Department

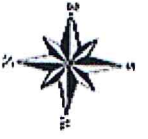
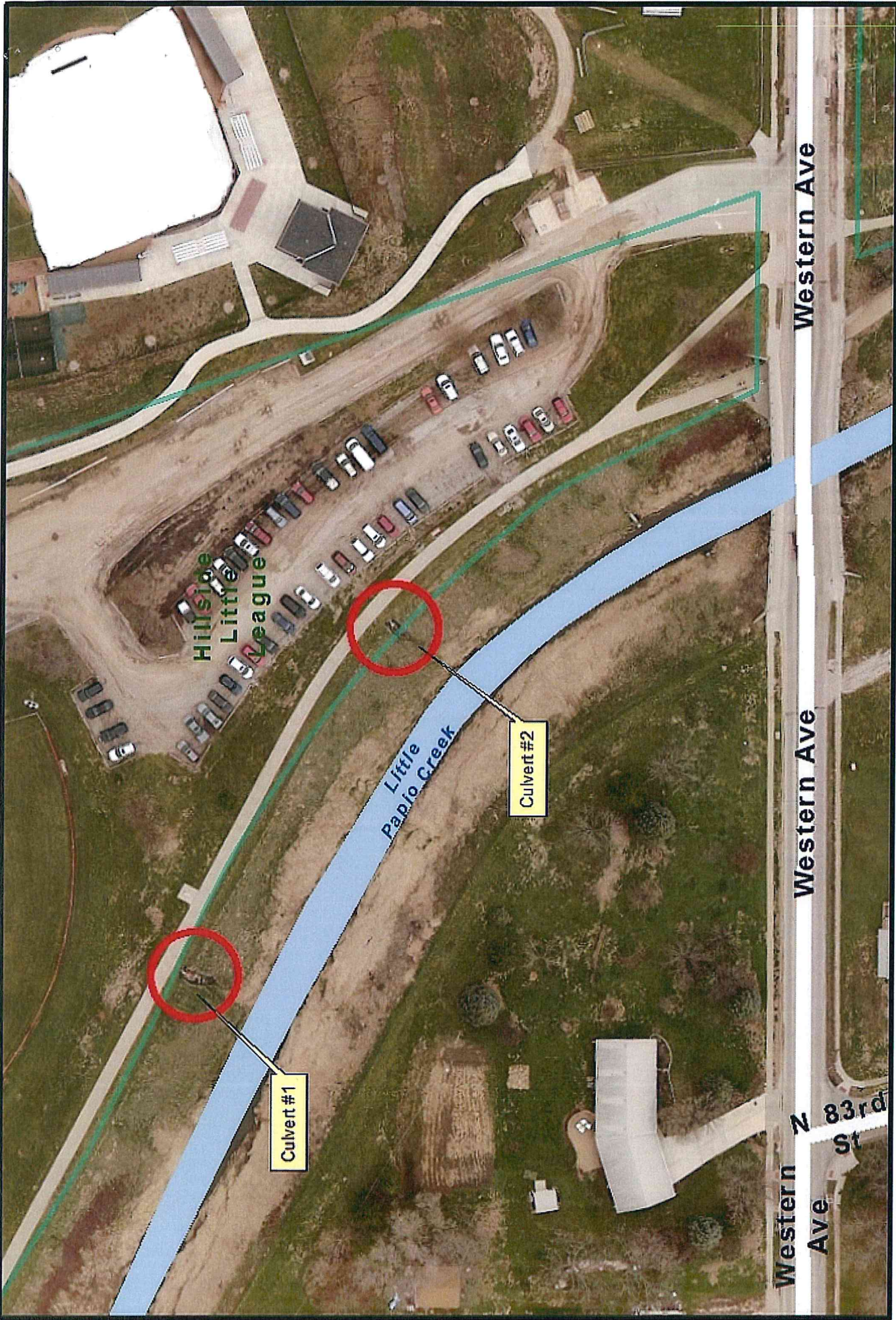
(ADDRESS) 1819 Farnam Street - Suite 701
Omaha, NE 68183-0701
4. **CONTACT PERSON:** Dennis E. Bryers, FASLA, PLA **TITLE:** Land. Arch./Park Planner II
5. **TELEPHONE:** 402-444-3798
6. **PROJECT LOCATION **:** Keystone Trail at Hillside Little League Park

82nd and Hamilton Streets
7. **DESCRIPTION OF PROBLEM **:** Excessive erosion over time at the outfall portion of two (2)

existing culvert pipes
8. **PROPOSED IMPROVEMENTS**:** Fill eroded area with approved fill, place an 8'x20' tied

concrete block mat and seed.
9. **TOTAL ESTIMATED COST:** \$8,000.00
10. **COST SHARE REQUEST:** \$4,800.00
11. **SIGNATURE/TITLE:** Drew Berch Park & Rec Director

** Attach additional sheets as necessary.



21 March 2014

**KEYSTONE TRAIL - HILLSIDE LITTLE LEAGUE PARK
82ND & HAMILTON STREETS - OMAHA - NE**



Form 17.0.B

URBAN CONSERVATION ASSISTANCE PROGRAM

SPECIAL PROJECT REQUEST

1. DATE: March 20, 2014

2. PROJECT NAME: Westside Drainage Project

3. PROJECT SPONSOR: City of South Sioux City

(ADDRESS) 1615 1st Avenue

South Sioux City, NE 68776

4. CONTACT PERSON: Bob Livermore TITLE: Public Works Director

5. TELEPHONE: 402-494-7534

6. PROJECT LOCATION **: See attached Project Location description

7. DESCRIPTION OF PROBLEM **: Localized flooding due to storm water back-up in drainage

channel - see attached for more details

8. PROPOSED IMPROVEMENTS **: Create new shorter channel into current wetlands with a 36"

storm sewer pipe beneath the bike trail - see attached for more details

9. TOTAL ESTIMATED COST: \$55,350

10. COST SHARE REQUEST: \$33,210 *Program maximum \$30,000 EW*

11. SIGNATURE/TITLE: *William J. McIntyre Mayor*

** Attach additional sheets as necessary.

MAR 21 2014

Project Location

The Westside Drainage Channel begins at West 29th Street and follows the high bank of the of Silver Lake Bed until it reaches the outlet at the Missouri River. The project area is northwest of the intersection of the Westside Drainage Channel and US 77. It is located in Section 21, Township 29, Range 9 East. See attached map.

Description of Problem

In 2010 Northeast Community College and Wayne State University constructed a new joint facility in South Sioux City. As part of their project they removed a portion of the City owned concrete lined Westside Drainage Channel and realigned as a meandering wetland to the north of their proposed building site. The City has since received a number of complaints from residents and businesses along the upstream portion of the Westside Drainage Channel because it now regularly backs up and fails to drain properly.

Proposed Improvements

The project would start at the point where the drainage pipe crosses US 77. A new channel would be constructed to drain straight into the wetlands rather than meandering south along US 77 until it outlets into the wetlands. This would create a straight channel that drains into the same wetlands, but allows more slope in the channel because of the shorter distance. This will allow the water to drain into the wetlands without backing up water onto the properties of those residents and businesses upstream. The 36-inch storm sewer pipe would need to be installed beneath an existing biketrail.



Current Channel along US 77 Looking North



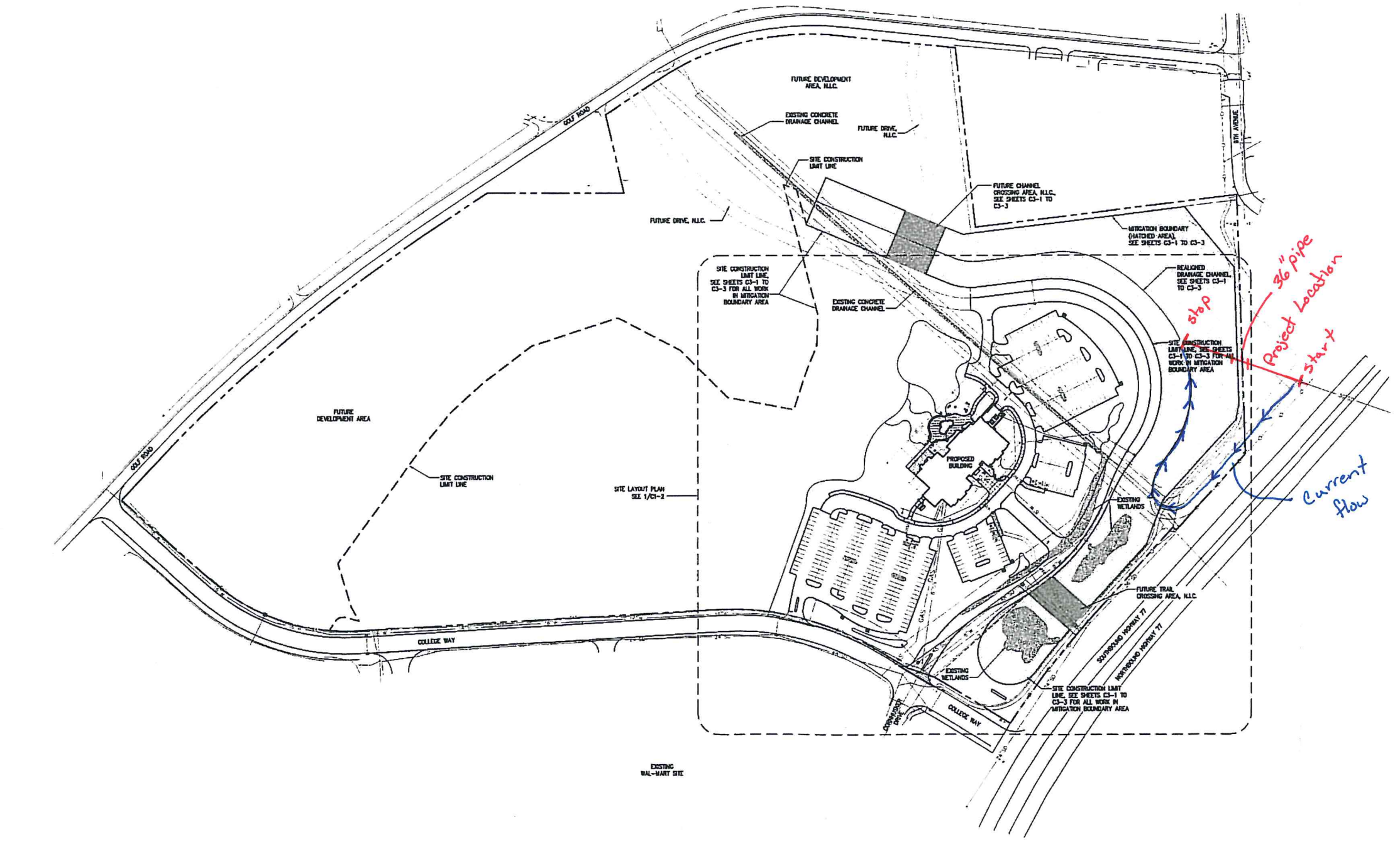
Current channel draining into wetlands



Upstream backup located at West 18th Street



Looking southwest in the direction of the new channel from the end of pipe crossing US 77



OVERALL LAYOUT PLAN
1" = 100'-0"



COLLEGE CENTER
 NORTHEAST COMMUNITY COLLEGE/WAYNE STATE COLLEGE - SOUTH SIOUX CITY, NEBRASKA
 BERINGER GIACCIO DENNELL WABREY - ARCHITECTURE, LANDSCAPE ARCHITECTURE, INTERIOR DESIGN, CONSTRUCTION MANAGEMENT



C1-1
 22 APRIL 2020
 BCDM NO. 4575-00
 OMAHA, NE



URBAN CONSERVATION ASSISTANCE PROGRAM

SPECIAL PROJECT REQUEST APPLICATION

1. DATE: March 20 2014

2. PROJECT NAME Scenic Park Storm Water Management Project

3. PROJECT SPONSOR: South Sioux City

ADDRESS: 1615 1st Ave
South Sioux City Nebraska 68776

4. CONTACT PERSON: Gene Maffit

TITLE: Parks Director

5. TELEPHONE: 402-494-7540

6. PROJECT LOCATION: Is inclosed

7. DESCRIPTION OF PROBLEM: Is inclosed

8. PROPOSED SOLUTION: Is inclosed

9. TOTAL ESTIMATED COST: \$ 66,000.00

10. COST SHARE REQUESTED: \$ 30,000.00

11. SIGNATURE/TITLE:

William J. McLaughlin Mayor

ENGINEER'S PRELIMINARY OPINION OF COST



PROJECT: South Sioux City Scenic Park Drainage Improvements
South Sioux City, NE

JEO CONSULTING GROUP, INC.
1909 Dakota Ave.
South Sioux City, NE 68776
(402) 494-7019

DATE: March 19, 2014

PROJECT NO. 120950.00

Item #	Unit	Description	Quantity	Unit Price	Total
Landscaping Items					
1.	LS	Mobilization / Bonding / Insurance	1	\$4,500.00	\$4,500.00
2.	LS	Channel Erosion Control Fabric	1	\$5,500.00	\$5,500.00
3.	LS	Boulders and Landscaping Rock	1	\$15,000.00	\$15,000.00
4.	LS	River Rock	1	\$7,500.00	\$7,500.00
5.	TON	Rip-Rap Slope Protection at Ped. Bridge	250	\$50.00	\$12,500.00
6.	LS	Additional Labor	1	\$15,000.00	\$15,000.00
Subtotal					\$60,000.00
				Contingency 10%	\$6,000.00
Total Group					\$66,000.00

Storm Water Management

Project in Scenic Park

Project Location

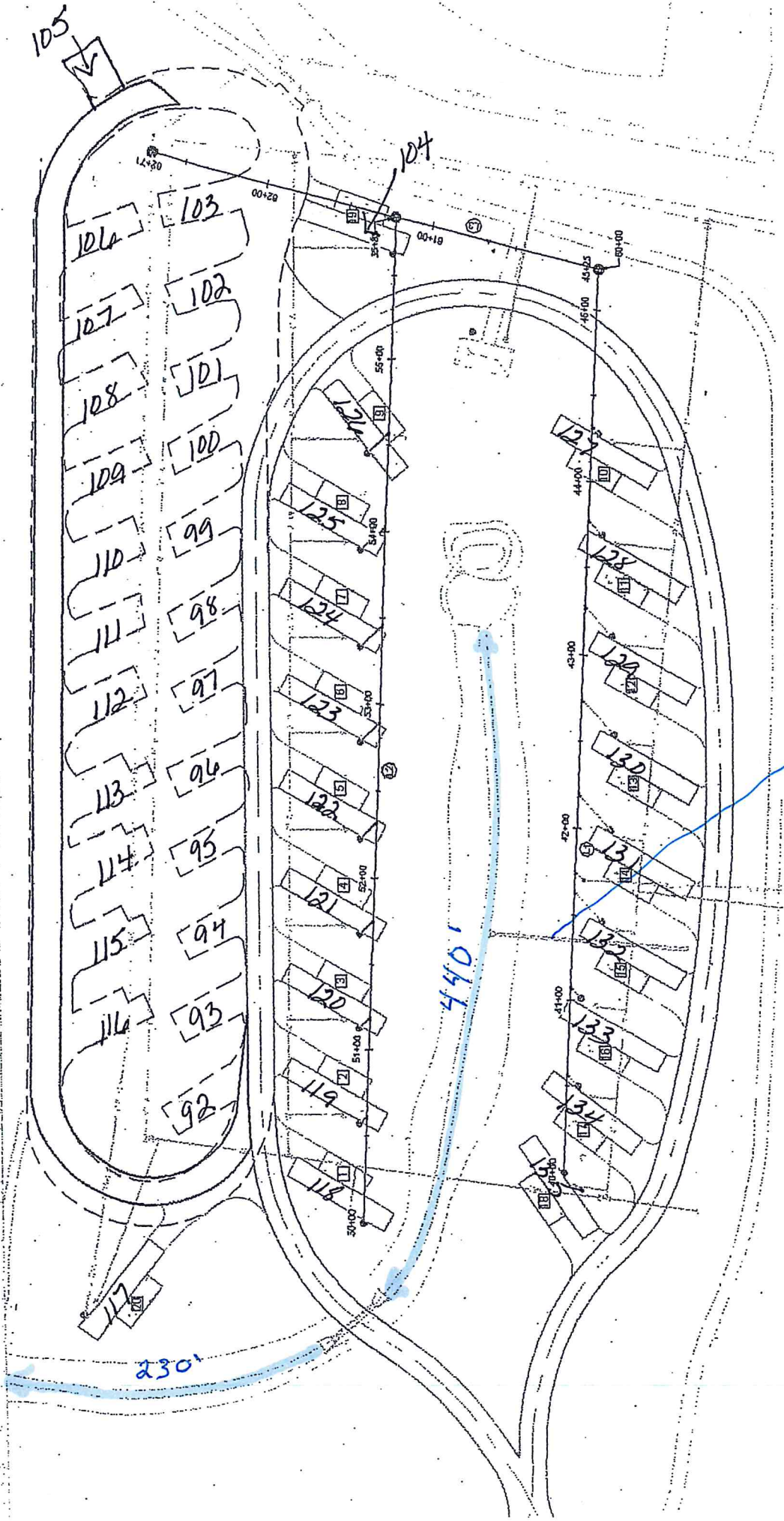
South Sioux City has a 133 acre Park named Scenic Park the address of this Park is 801 Riverview Dr. South Sioux City Nebraska 68776. Scenic Park is located along the Missouri River. Scenic Park is where the cities campground is.

Description of Problem

South Sioux City with help from the NRD added 20 new camper pads to Scenic Park in 2013. The site of these new camping pads in 2010 was a cove inlet off the Missouri River. After the flood of 2011 sand had filled in the cove so we put 20 beautiful camping sites on it. We were forced to grade a valley down the center of the 20 new camping sites. There is a storm drain dumping into the valley from a ball field parking lot, along with storm water from other parts of the campground. We fear that if we get a hard rain event that the grading that we have done will get eroded out. As part of this project we are having erosion problems around the walking bridge abutments. We would fix this problem at the same time.

Proposed Solution

Our proposal is to put down fabric in the bottom of the valley, then rock it all the way back to the river. Using various sizes of rock and installing a series of weirs to slow down the storm water to allow the sediment to drop out and allow as much storm water as possible to soak into the ground. With the sandy soil in this area we are hoping to get the majority of the storm water to be absorbed into the ground to be cleaned before it can get to the river. We are also stopping this storm water from doing any erosion damage along the way. We also would like to rip-rap the bridge abutments on the sides as needed. We think that by doing this project we can stop the erosion and make this attractive and functional and most of all environmentally friendly.



Parking
Lot Drain











TRAILS ASSISTANCE PROGRAM

SPECIAL PROJECT REQUEST APPLICATION

1. DATE: 2-20-14
2. PROJECT NAME: WALNUT CREEK CONNECTOR TRAIL
3. PROJECT SPONSOR: CITY OF PAPILLION
ADDRESS: 122 EAST 3RD STREET
PAPILLION NE 68046
4. CONTACT PERSON: MARTY LEMING
TITLE: DIRECTOR OF PUBLIC WORKS
5. TELEPHONE: 402-597-2044
6. E-MAIL: MLEMING@PAPILLION.ORG

7. PROJECT LOCATION: WEST OF THE 96th STREET AND SCHRAM ROAD INTERSECTION AT APPROXIMATELY 98th STREET. SEC 4, T13N, R12E AND SEC 33, T14N, R12E LATITUDE: 41.133 N, LONGITUDE: 96.065 W

8. DESCRIPTION OF PROJECT: THE WALNUT CREEK CONNECTOR TRAIL PROJECT INVOLVES THE CONSTRUCTION OF A PEDESTRIAN AND BICYCLIST TRAIL AND A NEW PARKING FACILITY IN THE WALNUT CREEK RECREATION AREA. THE TRAIL WILL BE CONSTRUCTED AS A 10-FOOT-WIDE CONCRETE TRAIL APPROXIMATELY 1633 FEET LONG. THIS TRAIL WILL CONNECT 1) THE EXISTING SAVANNA SHORES TRAIL SOUTH OF SCHRAM ROAD, 2) TO THE EXISTING WALNUT CREEK TRAIL NORTH OF SCHRAM ROAD, 3) AND TO THE EXISTING SIDEWALK ON PLACID LAKE CIRCLS IN THE EDGEWATER ESTATES NEIGHBORHOOD TO THE EAST, AND 4) A NEW CONCRETE PARKING FACILITY ON THE NORTH SIDE OF SCHRAM ROAD. THE TRAIL WILL CROSS UNDER SCHRAM ROAD THROUGH A NEW CONCRETE BOX-CULVERT STRUCTURE.

9. TOTAL ESTIMATED COST: \$ 326,730.00
10. COST SHARE REQUESTED: \$ 32,673.00
11. SIGNATURE/TITLE: [Signature]

FY 2013 Status Update

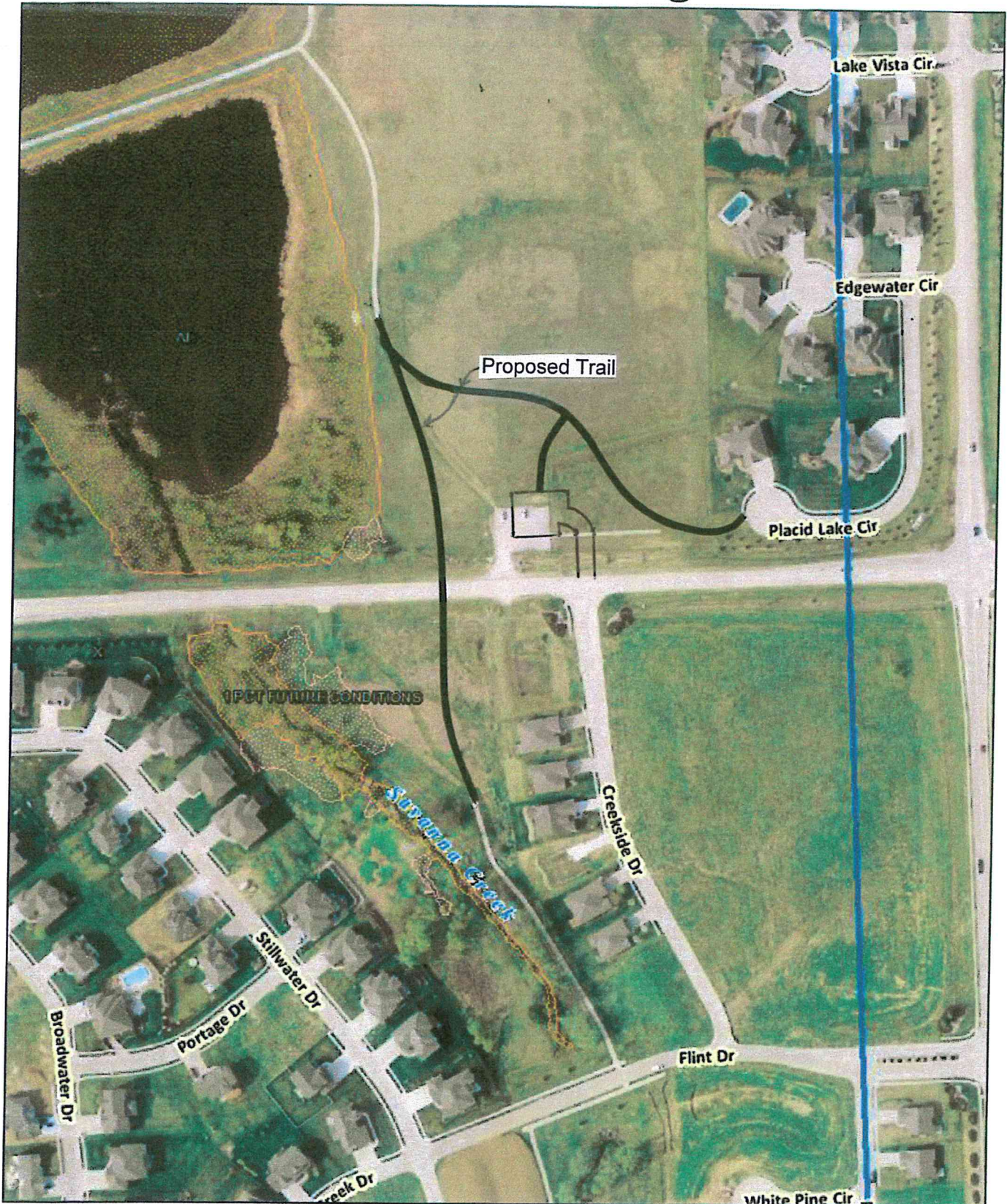
TIP ID	Lead Agency	Name	Location	Project Description	Project Timeframe	Total Project Cost (1,000's)	Total Federal Project Cost (1,000's)	FY 2013 Federal Cost (1,000's)	Status of FY 2013 Work Phase
NE-22309	Papillon	Midland Creek Trail	72nd Street - 1st St to Hwy 370		2011-2013 FY 2013 Work Phase(s):	\$755.50 3. UTIL-CON-CE	\$600.40	\$510.00	In Progress
NE-22270	Papillon	Rumsey Sale Routes To School	Rumsey School	Construct a pedestrian crossing.	2013-2013 FY 2013 Work Phase(s):	\$91.73 3. UTIL-CON-CE	\$91.73	\$91.73	TBD
Pap-042810-001	Papillon	Walnut Creek Connector Trail	98th St. & Schram Rd.	Connect Savanna Shores & Walnut Creek Trails via Schram Rd under crossing	2011-2013 FY 2013 Work Phase(s):	\$326.73 3. UTIL-CON-CE	\$304.43	\$261.68	In Progress
NE-22290	Papillon	Washington (84th) St. Reconstruction	84th Street from Cederdale to Capehart	Widen existing 2-lane roadway to 4-lane urban divided with turn lanes	2011-2013 FY 2013 Work Phase(s):	\$10,652.86 2. ROW, 3. UTIL-CON-CE	\$8,178.29	\$7,860.69	In Progress

Walnut Creek Connector Trail

Implementation Schedule (Based on Discussions with NDOR Staff)

- 90% Plans have been submitted to NDOR. They have been sent back to the engineering firm to address comments.
- CatEx is working its way through NDOR and FHWA Review.
- The project is schedule to bid in September 2014.

Project Location Diagram

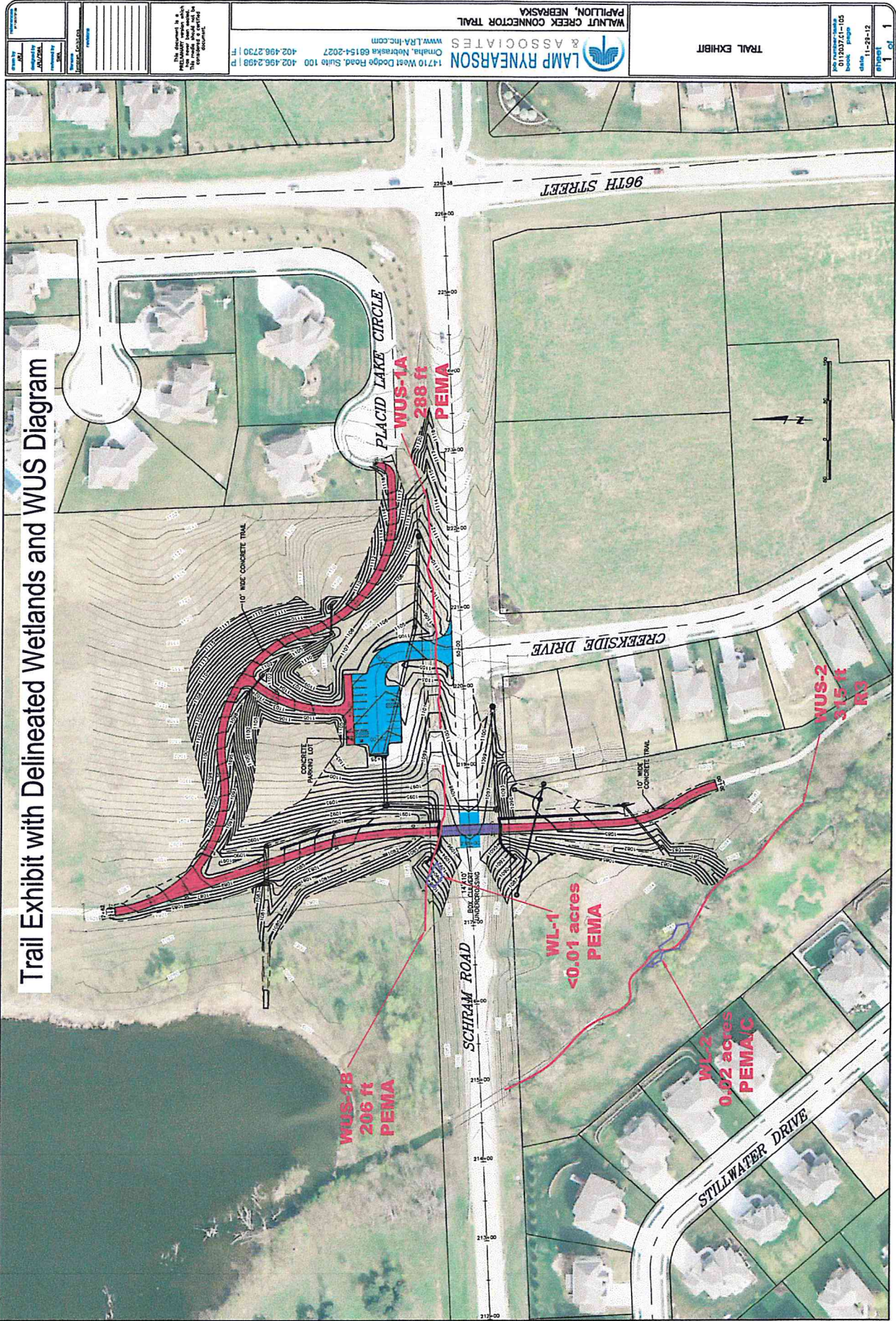


Disclaimer: This data is for informational purposes only, and should not be substituted for a true titles search, property appraisal, survey, or for zoning district verification. Sarpy County and the Sarpy County GIS Coalition assume no legal responsibility for the information contained in this data.

Map Scale
1 inch = 200 feet

5/7/2013

Trail Exhibit with Delineated Wetlands and WUS Diagram



P:\20120512\708\PROJECT DOCUMENTS (Roads-Links-Chains To Clients)\Engine-Change-Types\0512\708\CD\Lang

This document is a PRELIMINARY version, which is not for construction. The final design shall be based on the approved final design.

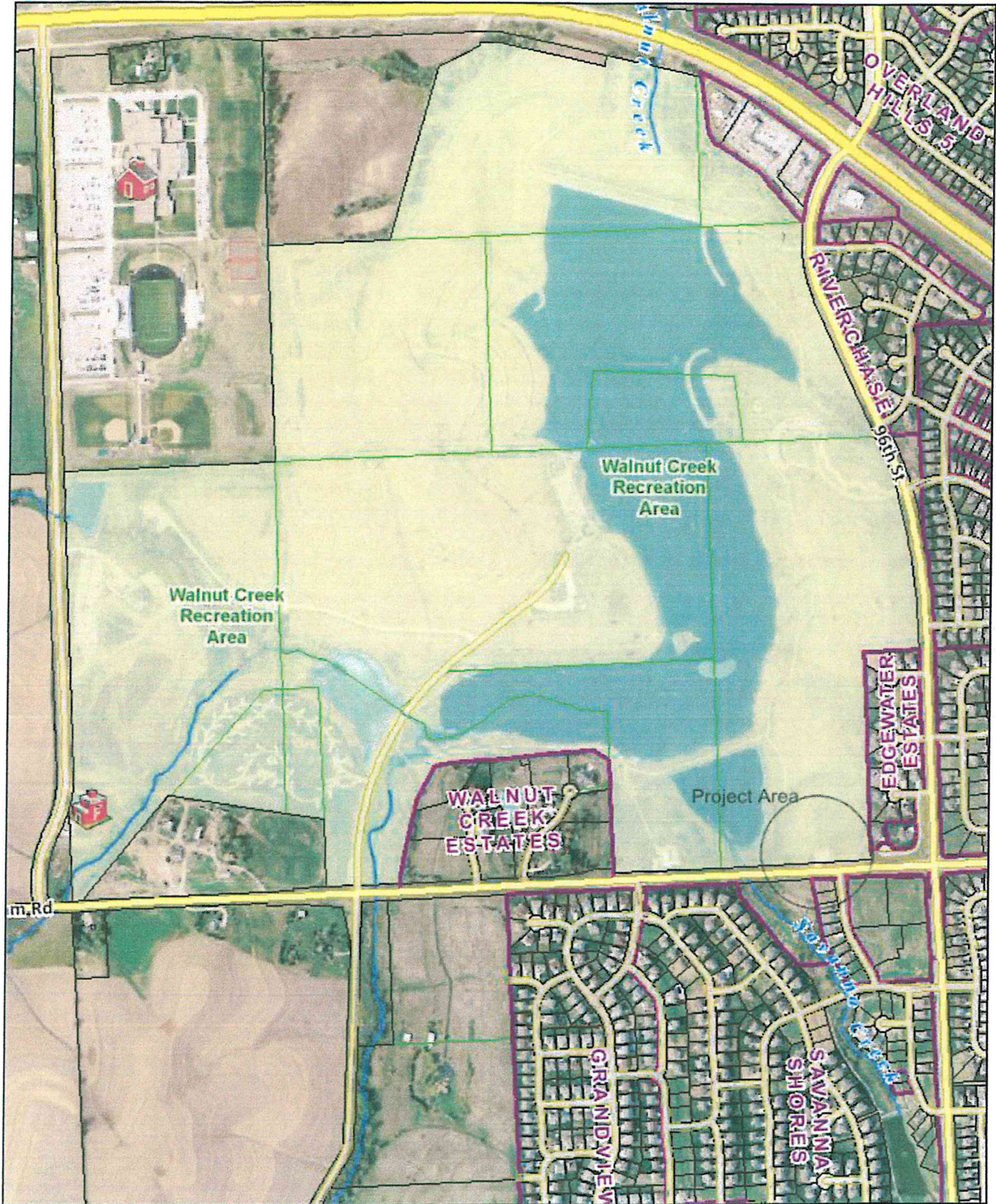
14710 West Dodge Road, Suite 100 402.496.2493 F
 Omaha, Nebraska 68154-2027 402.496.2730 F
 www.LRA-inc.com

LAMP RYNEARSON & ASSOCIATES
 WALNUT CREEK CONNECTOR TRAIL
 PAVILLION, NEBRASKA

Trail Exhibit

Sheet 11-24-12 of 1

Walnut Creek Recreational Area, Sarpy County, Nebraska



Disclaimer: This data is for informational purposes only, and should not be substituted for a true titles search, property appraisal, survey, or for zoning district verification. Sarpy County and the Sarpy County GIS Coalition assume no legal responsibility for the information contained in this data.

Map Scale
1 inch = 800 feet

6/10/2013

TRAILS ASSISTANCE PROGRAM

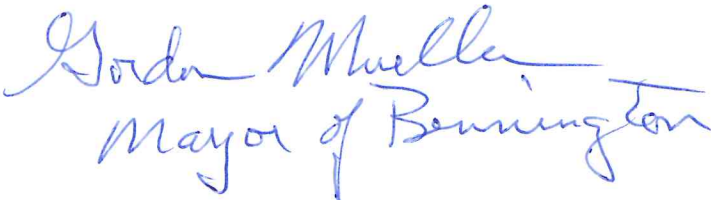
SPECIAL PROJECT REQUEST APPLICATION

1. DATE: 3-20-2014
2. PROJECT NAME: Bennington Papio Creek
Pedestrian Bridge & Trail
3. PROJECT SPONSOR: City of Bennington
15514 Warehouse Street
PO Box 221
Bennington, NE 68007
4. CONTACT PERSON: Mindi Laaker
City Clerk
5. TELEPHONE: 1-402-238-2375
6. E-MAIL: city@bennington.omhcoxmail.com
7. PROJECT LOCATION: Johns-Bohn Park and
Doug Nelson Youth Complex
11770 N. 158 Plaza / 158th & Bennington Road

8. DESCRIPTION OF PROJECT:

The project includes the construction of a pedestrian bridge over the Papio Creek between Johns-Bohn Park and the Doug Nelson Youth Ball Field Complex. The bridge and trails will connect neighborhoods to an existing trail between an elementary and high school. It will also benefit event parking for the ball field complex to the north of the creek and soccer fields to the south of the creek.

9. TOTAL ESTIMATED COST: \$841,963
10. COST SHARE REQUESTED: \$84,196.25

11. SIGNATURE/TITLE: 
Mayor of Bennington

State of Nebraska
Department of Roads

Transportation Enhancement Improvement Request (FINAL)

1.	AGENCY NAME: City of Bennington	TYPE OF GOVERNMENT AGENCY (Check One): <input type="checkbox"/> Village <input checked="" type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> NRD <input type="checkbox"/> State <input type="checkbox"/> Other	
2.	CONTACT PERSON: Mindi Laaker	FAX NUMBER: 402-238-2470	
	MAILING ADDRESS: (Street) PO Box 221, 15514 Warehouse Street	CITY: Bennington	STATE: NE
			ZIP: 68007
	DAYTIME PHONE: 402-238-2375	E-MAIL: city@bennington.omhcoxmail	
3.	CONTACT PERSON: (Print Name & Title) Mindi Laaker	SIGNATURE	DATE: 9-20-2007
4.	GOVERNMENT AGENCY: (Print Name & Title) C.C. Skip Wolf	SIGNATURE	DATE: 9-20-2007
5.	PROJECT NAME: (Example: Beatrice Big Blue Trail; Neligh Mill Bridge Renovation) Papio Creek Pedestrian Bridge and Trail		
6.	PROJECT DESCRIPTION/LOCATION: (Include location, work to be performed, and attach map) <p>In the fall of 2005, a one-mile trail (Bennington Papio School Trail) was created to connect our community to a new Jr/Sr High School (HS). There are many outdoor facilities along the trail route including a public park, athletic facilities including football, soccer, tennis, track, basketball, sand volleyball, the elementary school and public parking lots. The northern boundary of the park is the Papillion Creek. The Bennington Park and Bennington Heights neighborhoods located northeast of the Jr/Sr HS house most of the children living in the city. The Papillion Creek is located on the south and west side of these neighborhoods and there is no direct walking route to the Jr/Sr HS. To reach the Jr/Sr HS, these students must walk east to 156th St., turn south along a busy 156th St., and then head west on the trail to the school. With the new school, these students have increased their walk to the Jr/Sr HS from .5 mile to 1.5 miles. Constructing a pedestrian bridge over the Papillion Creek with trails connecting the neighborhoods to the existing trail will keep them away from a very busy arterial 156th St. and sidewalks that are currently placed dangerously close to curbs. 156th St. will be widened in 2008 to accommodate a continuing increase in traffic. A pedestrian bridge would provide a safer route to school, and connect the trail to other outdoor features, both schools and neighborhoods as well as a large ball field complex and a basketball court on the north side of the Papillion Creek. Accessing parking lots on both sides of the bridge would eliminate overflow parking problems already in existence at the ball fields and soccer fields. The bridge would be approximately 120 feet long and at this time we prefer a single span bridge to eliminate the possibility of the supports catching debris. On the south, the bridge will connect to the existing Bennington Papio School Trail located in the park and along Bennington Road between the elementary school and the Jr/Sr HS. On the north, the bridge would connect to a trail that would branch off to the east and west. The east branch of the trail will tie into existing neighborhood sidewalks located at the 158th St. and North 2nd St. intersection. See attached...</p> <p>DESCRIBE HOW YOUR PROJECT RELATES TO TRANSPORTATION (AS DESCRIBED IN APPLICATION GUIDELINES): The trail will provide a safe walking and biking route for neighborhoods to access the parks and schools on the south side of the Papillion Creek. In addition it will allow participants and spectators to park on the south side of the creek and walk to the ball complex on the north. Currently when the ball field parking lot is full, they park on residential streets resulting in congested streets and low visibility for those using the streets. The pedestrian bridge will connect to an existing one-mile trail (Bennington Papio School Trail), joining our community with both public schools.</p>		

7.	TOTAL ESTIMATED PROJECT COST: 414,281	FEDERAL FUNDS REQUESTED: 331,425
8.	MATCHING FUNDS PROVIDED BY: City of Bennington	PERCENTAGE OF MATCH: <i>(Minimum 20% of total)</i> 20%
9.	PROJECT TYPE: <i>(Select One Category)</i> <input checked="" type="checkbox"/> Trails <input type="checkbox"/> Historic Preservation <input type="checkbox"/> Scenic or Historic Byways	
10.	HAVE YOU RECEIVED TRANSPORTATION ENHANCEMENT FUNDS IN THE PAST? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, PLEASE LIST ALL PROJECTS FUNDED AND TOTAL DOLLARS RECEIVED: Bennington Papio Creek School Trail - \$370,628.00	
11.	IDENTIFY IF THIS PROJECT IS PART OF A OFFICIAL PLANNING DOCUMENT: The bridge plan can be found in Bennington's Comprehensive Development Plan and in Bennington Pathways, A Vision and Action Strategy.	
12.	PUBLIC BENEFITS OF THIS PROJECT: The Papio Creek Pedestrian Bridge and Trail would allow Bennington residents close proximity and access to a host of outdoor activities, entertainment and exercise avenues. Current proximity to most of the children living in the city is 1 mile. Placing a bridge across the Papio Creek opens up a mile of activities for those residents north of the Papio Creek. Crossing the Papio Creek by means of a pedestrain bridge will also be considerably safer than traveling the longer alternative route that includes high traffic areas. The pedestrian bridge will connect to the existing Bennington Papio Creek School Trail which in turn connects Benington to many subdivisions including: Shiloh Ranches, Newport Hills, and Newport Landing. Other subdivisions that would benefit from opportunities to bike or hike off busy highways and travel safely though hills and along creeks include: Fawn Heights, Woodlands Crossing, Amaryllis Acres, Shannon Hills, Stratford Park, Meadow Ridge, Pine Creek, Shadowbrook and many other housing developments south of Bennington's city limits.	
13.	THIS PROJECT IS SUPPORTED BY: Bennington Public School, Bennington Athletic League (baseball/softball), Bennington Soccer Club, Papio-Missouri River Natural Resources District, Bennington Jaycees, Bennington High School Engineering Team, Bennington Parent/Teacher Organization, Bennington Community Foundation	

Attach the following required items:

- **Budget (follow sample provided in Application Guidelines booklet)**
- **8 ½ x 11 map - include aerial image, project location/alignment, north arrow, street names, points of interest**
- **Resolution**
- **Environmental Impact Forms (DR275) provided at site visit**



drawn by ABI/IMO	reference
designed by SWA	
reviewed by SWA	

name 0109005 - SWPPP.dwg
revision

LAMP RYNEARSON 14710 West Dodge Road, Suite 100 402.496.2498 | P
 Omaha, Nebraska 68154-2027 402.496.2730 | F
& ASSOCIATES www.LRA-inc.com

BENNINGTON PAPIO CREEK BRIDGE AND TRAIL
DOUGLAS COUNTY, NEBRASKA

LOCATION MAP

job number-tasks
0109005.01-100
book page

date
03-14-2014

sheet
1 of 1



NOTE:
 UNDERGROUND UTILITY LOCATIONS SHOWN ARE FROM INFORMATION PROVIDED TO US FROM UTILITY COMPANIES. UTILITY COMPANIES MAKE NO WARRANTIES OR GUARANTEES REGARDING THE ACCURACY OF THE INFORMATION CONTAINED IN THEIR DOCUMENTS AND PROVIDES IT ONLY AS GENERAL INFORMATION TO THE RECEIVER. FOR SPECIFIC LOCATIONS DURING CONSTRUCTION CALL "DIGGERS HOTLINE" 402 344-3565 (METRO OMAHA) 1-800-331-5666 (STATEWIDE) PRIOR TO DIGGING.

Retain the Location Request Number for YOUR Own Protection!



TRAILS ASSISTANCE PROGRAM

SPECIAL PROJECT REQUEST APPLICATION

1. DATE: March 21, 2014
2. PROJECT NAME: Daniel Trail
3. PROJECT SPONSOR: Sarpy County Nebraska
ADDRESS: 15100 S. 84th Street
Papillion, NE 68046
4. CONTACT PERSON: Dennis L. Wilson
TITLE: Sarpy County Engineer
5. TELEPHONE: (402) 537-6900
6. E-MAIL: dwilson@sarpy.com

7. PROJECT LOCATION:
Scarborough Drive to South 34th Street with intermittent sections of existing trail. in Bellevue, NE

8. DESCRIPTION OF PROJECT:
See attachment

9. TOTAL ESTIMATED COST: \$ 550,000
10. COST SHARE REQUESTED: \$ 125,000
11. SIGNATURE/TITLE: Dennis Wilson, Sarpy County Engineer

Project Description

This new trail project will meander through parks connecting two segments of the existing Daniel Trail in Bellevue, NE. It borders five (5) subdivisions along the length of the trail including Stonecroft, Blackhawk, Oakhurst, Piper's Glen, and Two Springs.

The Daniel Trail currently ends at the intersection of Scarborough Drive and Lynnwood Drive on the north. The proposed trail project will begin at that terminus running along Lynnwood Drive turning into Stonecroft Park and following Whitted Creek in a southerly direction. The trail continues along the creek, crossing Nottingham Drive onto property owned by the City of Bellevue. The path then runs southerly another 700 feet to a pedestrian crossing on 25th Street where it connects to an existing trail. The existing trail segment meanders along a linear park bordered by SID 147 (Blackhawk subdivision) and SID 186 (Oakhurst subdivision) where it ends near Kelly Drive and Rahn Blvd. The proposed trail connects at this point continuing through the park adjacent to SID 215 (Piper's Glen) and Two Springs subdivision. The trail ends at 34th Street just north of Spring Boulevard.

INTERLOCAL COOPERATION AGREEMENT

This Interlocal Cooperation Agreement (this "Agreement") is made and entered into by and among The County of Sarpy, Nebraska (hereinafter referred to as "Sarpy County"), the City of Bellevue, Nebraska, a municipal corporation (hereinafter referred to as the "City"), The Papio-Missouri River Natural Resources District (the "NRD"), Sanitary and Improvement District No. 215 of Sarpy County, Nebraska (hereinafter referred to as "SID 215"), Sanitary and Improvement District No. 171 of Sarpy County, Nebraska (hereinafter referred to as "SID 171"), Sanitary and Improvement District No. 186 of Sarpy County, Nebraska (hereinafter referred to as "SID 186"), and Sanitary and Improvement District No. 147 of Sarpy County, Nebraska (hereinafter referred to as "SID 147"). Each of the above-described parties shall hereinafter sometimes be referred to individually as a "Party" and collectively as the "Parties".

PRELIMINARY STATEMENT

The Parties wish to work together, with Sarpy County acting as the lead agent, to contract for and complete the construction of certain trail improvements described and/or depicted on the attached Exhibit "A" (collectively, the "Trail Improvements") within or adjacent to certain portions of the real property located within the City and the Sanitary and Improvement Districts which are parties hereto. The location of the Trail Improvements is more particularly depicted on site plan attached hereto as Exhibit "B" (the "Site Plan").

SID 171 comprises the subdivision commonly known as Tregaron which is generally located southeast of Capehart Road and 25th Street, in Sarpy County, Nebraska.

SID 147 comprises the subdivision commonly known as Blackhawk which is generally located southwest of Capehart Road and 25th Street, in Sarpy County, Nebraska.

SID 186 comprises the subdivision commonly known as Oakhurst which is generally located immediately south of SID 147, in Sarpy County, Nebraska.

SID 215 comprises the subdivision commonly known as Pipers Glen which is generally located immediately south of SID 186, in Sarpy County, Nebraska.

The subdivision commonly known as Stonecroft is located within the City limits and is generally located southeast of Capehart Road and 25th Street, immediately north of SID 171, in Sarpy County, Nebraska.

The subdivision commonly known as Two Springs is located within the City limits and is generally located southwest of SID 186, in Sarpy County, Nebraska.

It is in the best interest and would be mutually advantageous to the Parties to contract for the construction of the Trail Improvements in the locations shown on the Site Plan.

NOW, THEREFORE, in consideration of the covenants herein set forth, the Parties do hereby agree and contract with each other as follows:

1. No Administrative Entity. There shall be no separate legal or administrative entity created to administer this Agreement and, therefore, no separate budget established for such an entity.

2. Plans and Design; Construction Management. Sarpy County will contract with E & A Consulting Group, Inc. (the "Project Engineer"), registered engineers in the State of Nebraska, for the preparation of plans and specifications for the construction of the Trail Improvements. The final plans and specifications shall be subject to approval by each of the parties hereto, which approval shall not be unreasonably withheld. Construction management and construction supervision of the installation of the Trail Improvements shall be performed by the Project Engineer.

3. Administrative Replat and Purchase Agreements. SID 215 shall arrange for the execution of a purchase agreement by and between the City, as purchaser, and each of the two (2) property owners immediately adjacent to the southwest of SID 215, in the locations generally depicted on the attached Exhibit "C", each as a seller, to allow for the City's acquisition of a certain portion of such properties to permit the construction of the Trail Improvements on such properties and to provide for the complete connectivity of the Trail Improvements, all as depicted on the Site Plan. In addition, the purchase agreements shall require that the City arrange for the administrative replatting of each of the two (2) properties to provide a separate, distinct, legal description for each such property. All of the costs associated with the administrative replatting and the execution of such purchase agreements shall be included in the Total Cost (as defined herein) to be shared by the Parties in accordance with the terms of this Agreement.

4. Construction, Operation and Maintenance. During the course of the construction of the Trail Improvements, the Project Engineer will inspect the work to ensure compliance with the final plans and specifications approved by the Parties in accordance with this Agreement. Following the completion of construction of the Trail Improvements, the Parties agree that the City will operate and maintain the Trail Improvements within its legal boundaries, at its sole cost and expense, and Sarpy County will operate and maintain the Trail Improvements within its legal boundaries, at its sole cost and expense, until such time as each of the SIDs which are party to this Agreement are fully-annexed by the City, at which point, the City will own, operate and maintain all of the Trail Improvements.

5. Payment of the Total Cost of the Trail Improvements. The total cost (the "Total Cost") of the Trail Improvements shall include the design, construction management, construction administration, construction supervision, engineering, construction costs, material costs, labor costs, utility relocation costs, easement acquisition costs, and miscellaneous costs for the design, installation and construction of the Trail Improvements. The Total Cost is estimated to be \$_____, which is delineated in more detail in Exhibit "A" attached hereto. Notwithstanding the foregoing, the Parties agree that each Party will pay its own legal expenses associated with this Agreement and the construction of the Trail Improvements.

Sarpy County shall be responsible for the bid letting process. In the event the lowest

responsible bid received exceeds the total estimated cost for such work as detailed on Exhibit "A" attached hereto by ten percent (10%) or more, Sarpy County shall promptly provide or cause to be provided notice thereof to the other Parties, and all of the Parties shall meet to determine whether it would be in the Parties' best interests to rebid such work or award the contract as bid.

The Total Cost of the Trail Improvements shall be paid as follows:

The City shall pay a lump sum total of \$200,000.00.
The NRD shall pay a lump sum total of \$125,000.00.
The County shall pay a lump sum total of \$75,000.00.
SID 147 shall pay a lump sum total of \$30,000.00.
SID 171 shall pay a lump sum total of \$30,000.00.
SID 186 shall pay a lump sum total of \$30,000.00.
SID 215 shall pay a lump sum total of \$60,000.00.

Upon "award of contract" to a contractor, Sarpy County will submit an invoice to each of the Parties for their full lump sum contribution. Each of the Parties shall pay its agreed upon share to Sarpy County within sixty (60) days after receipt of such invoice. Within sixty (60) days following the final completion of the Trail Improvements, Sarpy County shall pay the Project Engineer, contractors, subcontractors, suppliers and other persons or entities engaged to construct the Trail Improvements for its invoiced amount relating to the construction of the Trail Improvements. In the event that the Total Cost of the Trail Improvements is greater than the total amount of the lump sum contributions set forth above (\$550,000.00), then the Parties shall share such excess costs, on a pro rata basis, provided that each Party's respective share shall not exceed more than 115% of the lump sum contribution total outlined above, which excess share shall be invoiced by Sarpy County to each Party. Each Party shall pay Sarpy County such excess share amount within sixty (60) days after receipt of such excess share invoice. In addition, in the event that the Total Cost of the Trail Improvements is less than the total amount of the lump sum contributions set forth above (\$550,000.00), then the Parties shall share such cost savings, on a pro rata basis, and each Party's respective reimbursement shall be returned to such Party by Sarpy County within sixty (60) days of receipt and final payment of the last of the invoices relating to the Total Cost of the Trail Improvements.

Notwithstanding anything set forth herein to the contrary, in the event that the invoice sent by Sarpy County is received by the City prior to July 15, 2014, the City shall pay \$125,000.00 of its lump sum contribution total within sixty (60) days after receipt of such invoice, with the remaining portion (\$75,000.00) to be paid within thirty (30) days following September 1, 2014 (the date of the City's new fiscal year).

6. Transfer of Lot 250, Tregaron. Simultaneously with the execution hereof, SID 171 will execute a warranty deed transferring legal title to Lot 250, Tregaron, a subdivision as surveyed, platted and recorded in Sarpy County, Nebraska, to the City, at no cost and expense to the City.

7. Purpose of Agreement; Timing of Work. It is the mutual desire and intention of the parties that construction of the Trail Improvements shall be bid out during the spring of 2014,

commence construction of the Trail Improvements during the spring and summer of 2014 and be completed by November, 2014. Accordingly, the parties agree to cooperate with each other and make reasonable, good faith efforts to perform their obligations hereunder in a timely manner so as to achieve completion of all of the Trail Improvements contemplated by the Agreement by November, 2014.

8. Records. Sarpy County shall maintain records of all construction and other costs incurred in connection with the Trail Improvements and the other Parties shall have the right to audit and review such records at any time to assure that such records are accurate.

9. Duration. This Agreement shall continue until such time as the Trail Improvements have been fully completed pursuant to the terms of this Agreement, unless this Agreement is terminated sooner by the written agreement of all Parties hereto.

10. Appointment of Administrators. The Sarpy County Engineer shall administer this contract on behalf of Sarpy County, the City Engineer shall administer this contract on behalf of the City, E & A Consulting Group, Inc. shall administer this contract on behalf of SID 215, _____ shall administer this contract on behalf of SID 147, _____ shall administer this contract on behalf of SID 171, and _____ shall administer this contract on behalf of SID 186.

11. Entire Agreement. This instrument contains the entire agreement of the parties and shall be binding upon the successors and assigns of the respective parties. No amendments, deletions, or additions shall be made to the Agreement except in writing signed by all parties.

12. Drug Free Workplace Policy. All parties to this Agreement represent that it has established and maintains a drug free workplace policy.

13. Nondiscrimination. In accordance with the Nebraska Fair Employment Act, Neb. Rev. Stat. §48-1122, all parties to this Agreement represent that neither it nor any of its subcontractors or agents shall discriminate against any employee, or applicant for employment to be employed in the performance of this Agreement, with respect to hire, tenure, terms, conditions, or privileges or employment because of the race, color, religion, sex, disability, or national origin of the employee or applicant.

14. New Employee Work Eligibility Status. All parties are required and hereby agree to use a federal immigration verification system to determine the work eligibility status of new employees physically performing services within Nebraska. A federal immigration verification system means the electronic verification of the work authorization program authorized by the Illegal Immigration Reform and Immigrant Responsibility Act of 1996, 8 U.S.C. 1324a, known as the E-Verify Program, or equivalent federal program designated by the United States Department of Homeland Security or other federal agency authorized to verify the work eligibility status of newly hired employees.

15. Counterparts. This Agreement may be executed in one or more counterparts, each of which shall be deemed an original but all of which together shall constitute one and the same

instrument. The parties may execute this Agreement by means of facsimile or electronic transmission and the parties agree that the receipt of such executed counterparts shall be binding on the parties to the extent provided herein and shall be construed as originals.

Executed by Sarpy County this ____ day of _____, 2014.

ATTEST:

THE COUNTY OF SARPY, NEBRASKA

County Clerk

By: _____

Chairman

APPROVED AS TO FORM:

Deputy County Attorney

Executed by the City of Bellevue this _____ day of _____, 2014.

ATTEST: THE CITY OF BELLEVUE, NEBRASKA

City Clerk By: _____
Chairman

APPROVED AS TO FORM:

Deputy City Attorney

Executed by SID 215 this _____ day of _____, 2014.

Executed by the Papio-Missouri River Natural Resources District this __ day of _____, 2014.

PAPIO-MISSOURI RIVER NATURAL RESOURCES DISTRICT

By: _____
Name: _____
Its: _____

ATTEST: SANITARY & IMPROVEMENT DISTRICT
NO. 215 OF SARPY COUNTY, NEBRASKA

Clerk By: _____
Chairman

Executed by SID 147 this _____ day of _____, 2014.

ATTEST:

SANITARY & IMPROVEMENT DISTRICT
NO. 147 OF SARPY COUNTY, NEBRASKA

Clerk

By: _____
Chairman

Executed by SID 171 this _____ day of _____, 2014.

ATTEST:

SANITARY & IMPROVEMENT DISTRICT
NO. 171 OF SARPY COUNTY, NEBRASKA

Clerk

By: _____
Chairman

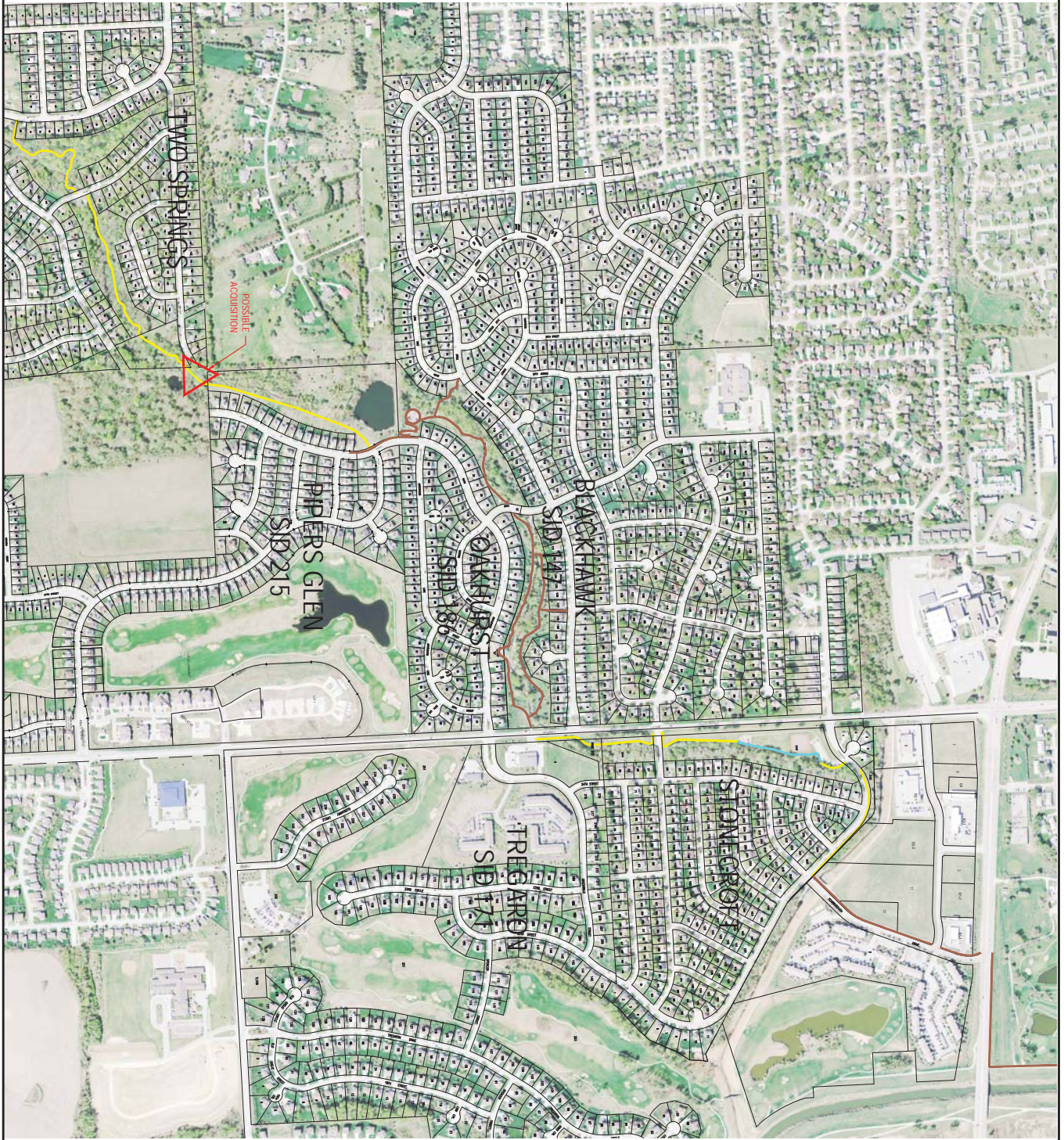
Executed by SID 186 this _____ day of _____, 2014.

ATTEST:

SANITARY & IMPROVEMENT DISTRICT
NO. 186 OF SARPY COUNTY, NEBRASKA

Clerk

By: _____
Chairman



LEGEND

- PROPOSED TRAIL
- REMOVE & REPLACE TRAIL
- EXISTING TRAIL



Revisions	
Date	Description

Proj No: P1992.051.005
 Date: 06/11/2013
 Designed By: MAM
 Drawn By: RPE
 Scale: No Scale
 Sheet: 1 of 4

AERIAL EXHIBIT

BELLEVUE TRAIL EXHIBIT
SARPY COUNTY, NEBRASKA



E & A CONSULTING GROUP, INC.
Engineering • Planning • Environmental & Field Services

330 North 17th Street Omaha, NE 68154
Phone: 402.395.4700 Fax: 402.395.3599
www.eaeg.com

Bill Campbell 1/26/2013 10:52 AM K:\Projects\2013\Bellevue\Drawings\Trail\Bellevue Trail Exhibit\001.dwg



TRAILS ASSISTANCE PROGRAM

SPECIAL PROJECT REQUEST APPLICATION

1. DATE: 3/19/14

2. PROJECT NAME Missing Link Trail

3. PROJECT SPONSOR: City of South Sioux City

ADDRESS: 1615 1ST AVE
South Sioux City, NE 68776

4. CONTACT PERSON: Lance Hedquist
TITLE: City Administrator

5. TELEPHONE: 402-494-7591

6. E-MAIL Lhedquist@southsiouxcity.org

7. PROJECT LOCATION:
See Attached Map

8. DESCRIPTION OF PROJECT:
The Missing Link Trail is the final of a 9.5 mile loop around the entire City of South Sioux City. It provides a direct connection to city parks, schools, colleges, businesses and residential areas. It also provides access to the Dakota City Trail and miles of regional trails in Iowa and South Dakota. It provides residents with another mode of transportation to get where they need to go.
*Note: The Nebraska Department of Roads has advised South Sioux City that this project & construction will begin this spring/summer of 2014.

9. TOTAL ESTIMATED COST: \$ 578,864

10. COST SHARE REQUESTED: \$ 57,886

11. SIGNATURE/TITLE: *William D. Lutz* *Morgan*



State of Nebraska
Department of Roads

Received by NDOR: / /

Transportation Enhancement Improvement Request (FINAL)

1.	AGENCY NAME: City of South Sioux City	TYPE OF GOVERNMENT AGENCY (Check One): <input type="checkbox"/> Village <input checked="" type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> NRD <input type="checkbox"/> State <input type="checkbox"/> Other	
2.	CONTACT PERSON: Chad Kehrt	FAX NUMBER: 402-494-7527	
	MAILING ADDRESS: (Street) 1615 1st Avenue	CITY: South Sioux City	STATE: NE
	DAYTIME PHONE: 402-494-7676	ZIP: 68776	
		E-MAIL: ckehrt@southsiouxcity.org	
3.	CONTACT PERSON: (Print Name & Title) Chad Kehrt, City Engineer	SIGNATURE	DATE: 9-19-08
4.	GOVERNMENT AGENCY: (Print Name & Title) Robert Giese, Mayor	SIGNATURE	DATE: 9-19-08
5.	PROJECT NAME: (Example: Beatrice Big Blue Trail; Neigh Mill Bridge Renovation) Missing Link Trail		
6.	PROJECT DESCRIPTION/LOCATION: (Include location, work to be performed, and attach map) The missing Link Trail will be a 10 feet wide, 6 inch thick, and approximately 6000 feet long PC concrete trail. It will start at the existing trail at the intersection of West 21 st Street and US 77. It will end by connect to the existing trail around Crystal Cove, which is one of the City's largest parks. It will complete a 9.5 mile loop around the entire City of South Sioux City.		
	DESCRIBE HOW YOUR PROJECT RELATES TO TRANSPORTATION (AS DESCRIBED IN APPLICATION GUIDELINES): It will complete a 9.5 mile loop around the entire City of South Sioux City. It will provide direct connection to city parks, schools, colleges, businesses, and residential areas. It also provides access to the Dakota City and miles of regional trails in Iowa and South Dakota. It provides residents with another mode of transportation to get to where they need to go.		

7.	TOTAL ESTIMATED PROJECT COST: \$524,071	FEDERAL FUNDS REQUESTED: \$419,257
8.	MATCHING FUNDS PROVIDED BY: City of South Sioux City	PERCENTAGE OF MATCH: (Minimum 20% of total) 20%
9.	PROJECT TYPE: (Select One Category) <input checked="" type="checkbox"/> Trails <input type="checkbox"/> Historic Preservation <input type="checkbox"/> Scenic or Historic Byways	
10.	HAVE YOU RECEIVED TRANSPORTATION ENHANCEMENT FUNDS IN THE PAST? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, PLEASE LIST ALL PROJECTS FUNDED AND TOTAL DOLLARS RECEIVED: 1994 - Citywide Walkway/Bikeway - \$112,000 1996 - West 39 th Street Trail - \$139,979 2001 - Tri State Trail - \$499,980 2006 - All America Trail - \$313,253	
11.	IDENTIFY IF THIS PROJECT IS PART OF A OFFICIAL PLANNING DOCUMENT: Yes. See Attached Map. It is Project #44	
12.	PUBLIC BENEFITS OF THIS PROJECT: The Missing Link Trail is the final piece of a 9.5 mile loop around the entire City of South Sioux City. It connects residents to many parks and schools. It also allows residents access to residential and business areas. Residents will be able to reach practically any destination via walking or biking. It will help the City of South Sioux City continue to provide a cleaner, safer, healthier, and more vibrant community for our residents and visitors.	
13.	THIS PROJECT IS SUPPORTED BY: City of South Sioux City Siouxland Cyclists Siouxland Trails Foundation Northeast Community College	

Attach the following required items:

- Budget (follow sample provided in Application Guidelines booklet)
- 8 ½ x 11 map - include aerial image, project location/alignment, north arrow, street names, points of interest
- Resolution
- Preliminary Environmental Checklist (provided at site visit)



Dave Heineman
Governor

STATE OF NEBRASKA

DEPARTMENT OF ROADS

Monty W. Fredrickson, P.E., Director - State Engineer

1500 Highway 2 • PO Box 94759 • Lincoln NE 68509-4759

Phone (402) 471-4567 • FAX (402) 479-4325 • www.transportation.nebraska.gov

January 26, 2012

Kellee Van Bruggen
SIMPCO
1122 Pierce Street
Sioux City, IA 51102

RE: Project No. ENH-22(30), Control No. 32107
South Sioux City Missing Link Trail

Dear Kellee:

NDOR has reviewed the current status of your project and believes that the following schedule should be able to be met by the City, your Consultant, and NDOR. Please feel free to offer any comments on the schedule, but if you concur, please sign and return a copy to me either by email or mail.

NEPA Review & Approval	February to August 2012
60% Plan Submittal	August 2012
90% Plan Submittal	October 2012
90% Plans & ROW Review	November 2012 to February 2013
PS&E Submittal	April 2013

Please understand that we have developed this schedule to help ensure that your project is funded in Fiscal Year 2013. Funding may need to be postponed should your project be delayed due to City or Consultant actions as NDOR has Fiscal Year 2014 funding allocated to other projects at this time. Should you have any questions or comments please feel free to contact me.

Sincerely,

Deana McKinstry, Project Coordinator
Email: dmckinstry@sinclairhille.com
Phone 402-476-7331

cc: Bob Livermore, City of South Sioux City

I concur with the above schedule.

Signature of RC

Date

1. New Revised
 State of Nebraska Department of Roads
Local Public Agency (LPA)
Project Programming Request
 For: City County Other

TO BE COMPLETED BY NDOR

Control No.: 32107

Project No.: ENH - 22(30)

Project Name: South Sioux City
Missing Link Trail

Project Coordinator: Deana McKinstry

2. LPA Name (and County):
City of South Sioux City

3. Responsible Charge:
Paul V. Nolan

4. PROJECT DESCRIPTION

Detailed Project Description (Location of Proposed Project, Logical Terminal Justification, Location Map, Typical Cross Sections, etc.; attach any additional sheets necessary): portland concrete

It will be a PCC trail that is 10 feet wide, 6-inches thick. It will start at the existing trail in the northwest quadrant of the intersection of West 21st Street and US 77. It will go south along the corridors of Cornhusker Drive, US 77, and Plaza Drive. It will end at the existing Crystal Cove Trail located in Crystal Cove just off of US 77.

Latitude: Longitude: New/Reconstruction Maintenance Other

Road, Street, Trail, Historical Renovation, Other	From	To	Length	National Functional Classification	National Highway System (Yes or No)
Missing Link Trail	W 21 st Str	Crystal	6000'	N/A	N/A

Purpose and Need of Proposed Project (What is the problem to be resolved?):

This project is the last section of walkway/bikeway to complete an approximately 13 mile loop around South Sioux City. It provides residents and visitors access to parks, schools, residences, businesses, shopping centers, and other desired locations through other modes of transportation than motor vehicles.

5. FUNDING TYPE: STP BR HSIP ENH SRTS

6. ESTIMATED PROJECT FUNDING (Attach supporting documentation for estimates)

7. PE Phase	Federal	State	Local Match	Nonparticipating	Total
a. Preliminary Engineering	31,200.00		7,800.00		39,000.00
b. NEPA	12,296.00		3,074.00		15,369.00
c. Final Design	31,200.00		7,800.00		39,000.00
d. RC	1,493.00		373.00		1,866.00
e. NDOR	8,000.00		2,000.00		10,000.00
PE Subtotal	\$84,188.00	\$0.00	\$21,047.00	\$0.00	105,235.00
8. ROW					0.00
9. Utilities					0.00
10. Construction	336,000.00		84,000.00		420,000.00
11. CE Phase					
a. Construction Engineering	47,200.00		11,800.00		59,000.00
b. RC	6,720.00		1,680.00		8,400.00
c. NDOR	6,000.00		1,500.00		7,500.00
CE Subtotal	\$59,920.00	\$0.00	\$14,980.00	\$0.00	\$74,900.00
12. Total	\$480,108.00	\$0.00	\$120,027.00	\$0.00	\$600,135.00

13. SPECIAL ASSESSMENT

Will special assessments district(s) be used to collect a portion of the required local funding match? Yes No

14. DESIGN DETAILS

	Existing	Proposed	Remarks/Existing Condition
a Surface Width	N/A	10'	
b Surface Type	N/A	PCC	
c Shoulder Width	N/A	2'	
d Shoulder Type	N/A	Earth	

15. EXISTING STRUCTURES

Structure No.	Feature Crossed	Type of Structure	Length	Width	Sufficiency Rating	Proposed Treatment

16. SCHEDULE CONSIDERATIONS (Attach explanations and supporting documentation to this form)

Does the proposed project involve:	Yes	No	TBD	Remarks (if Yes, please explain)
a ROW Acquisition (including easements)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Number of Tracts 1
b Relocation of People or Businesses	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Residential <input type="checkbox"/> Business
c Utility Relocation or Adjustment	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> Gas <input type="checkbox"/> Water <input type="checkbox"/> Power <input type="checkbox"/> Phone <input type="checkbox"/> Other
d Railroad Involvement	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Crossing <input type="checkbox"/> Parallel <input type="checkbox"/> Within 50'
e Channel Changes Anticipated	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
f New Horizontal Alignment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
g Design Relaxation or Exception Required	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Current ADT
h PE Procurement <input checked="" type="checkbox"/> RFP <input type="checkbox"/> Locally Funded				Design Year ADT
i CE Procurement <input type="checkbox"/> RFP <input type="checkbox"/> Locally Funded <input type="checkbox"/> On-Call				% Trucks

17. TRAFFIC DATA

18. PROPOSED PROJECT SCHEDULE

a. Letting Date: 1/1/13 b. Begin Construction: 4/1/13 c. End Construction: 10/1/13
 Project on 1- and 6-Year Plan? Yes No Attach 1- and 6-Year Plan Revision or New Plan Documentation

19. ADDITIONAL REMARKS OR COMMENTS BY LPA

(Attach as needed)

20. SIGNATURES

Requested by LPA Responsible Charge	Date
Approved by MPO (if applicable) <i>[Signature]</i> Sec. Roads Engineer	Date: 8/1/13
Approved by NDOR	Date:
Approved by NDOR Program Management	Date: