

Agenda Item: 11.

TO: Programs, Projects, and Operations Subcommittee

FROM: Eric Williams, Natural Resources Planner

SUBJECT: FY 2016 Urban Cost Share Programs

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

DATE: April 7, 2015

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.

#### **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 La Vista had previously submitted an application for work along Hupp Drive near the Public Works facility, but that project was not recommended due to significant other work planned for the same area. This project will stabilize the slopes near the headwalls of a twin box culvert structure, repair drop-down structures, and provide filter strips around the drop-down inlets. The entire cost of this project will be \$30,000 and the City is requesting \$18,000 in assistance.

The City of Omaha is requesting assistance to repair the bank along the creek in Barrington Park. This location was previously stabilized using gabion structures which have eroded and failed over time. A section of the Barrington Park Connector Trail, which provides access to the West Papio Trail, will be relocated away from the creek bank. The total cost for this project is \$57,447 and the City is requesting \$30,000 in assistance.

Giles Ridge SID 225 is requesting assistance to complete bank stabilization work along the South Papio Creek. District staff as well as multiple other agencies have been involved in planning and design of corrective action for this location in order to help protect a sewer line which is located near the top of the bank on the south side of the creek. Erosion has caused sloughing which threatens the sewer, as well as homes in both Giles Ridge and Chalco Pointe. Rock will be placed, the slope will be re-graded, and a drain will be added near the top of the

slope in order to prevent surface drainage from causing additional erosion. The project cost will be \$51,000 and SID 225 is requesting \$30,000 in assistance.

South Sioux City is requesting assistance to construct a bio-swale along the south side of 25<sup>th</sup> Street at 9<sup>th</sup> Ave. This project is designed to replace a previous effort to address localized flooding in this area. Porous soil and native plants will be installed to increase permeability of the channel, and rock will be placed to prevent erosion during large rain events. The cost of this project is \$50,000 and the City is requesting \$30,000.

The City of Bennington has experienced erosion along the south side of Bennington Road, and is requesting assistance to extend a culvert from under the road near Tim Ohrt Park. Runoff from the road, particularly from the very large rain events in 2014, has caused erosion near the edge of the road causing unsafe conditions. A new inlet will convey stormwater away from the road and into the extended culvert. The cost of this project will be \$52,100 and the City is requesting \$30,000 in assistance.

The FY 2015 budget included \$113,724 for this program. The following table summarizes the FY 2016 applications.

<b><u>Sponsor</u></b>	<b><u>Total Estimated Cost</u></b>	<b><u>FY 2016 Cost Share Request</u></b>
City of La Vista, Hupp Drive Culverts	\$30,000	\$18,000
City of Omaha, Barrington Park Creek	\$57,447	\$30,000
Giles Ridge SID 225, South Papio Creek	\$51,000	\$30,000
South Sioux City, 25 <sup>th</sup> Street	\$50,000	\$30,000
City of Bennington, Tim Ohrt Culvert	\$52,100	\$30,000
Total	\$240,547	\$138,000

- **It is recommended that the Subcommittee recommend to the Board of Directors that the applications from the City of La Vista for \$18,000, the City of Omaha for \$30,000, Giles Ridge SID 225 for \$30,000, South Sioux City for \$30,000, and the City of Bennington for \$30,000, for a total of \$138,000 be approved, subject to funding in the FY 2016 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.

This project was previously approved by the Board with cost share components in FY 2016.

In 2014, the Board approved the Thompson Creek Channel Improvement Project for the City of La Vista. The application was an update to the previous project scope, cost, and timeline based on changing conditions from other funding sources. The initial payment of \$412,000 is expected before the completion of FY 2015, and the second payment of \$300,000 is scheduled when the project is substantially completed.

*(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.)*

New program applications were received and are outlined below.

The City of Omaha has requested assistance for Hell Creek Rehabilitation at Westwood Lane. This project will remove the broken and degrading concrete liner from the channel, and improve the ecological condition of the creek through biologically-based engineering practices. Replacement of four road culverts will provide greater hydraulic capacity in the area. The total cost of this project is \$3,800,000 and the City is requesting a total of \$900,000, with \$300,000 in each of the next three years.

Douglas County SID 374, Huntington Park, located northwest of 156<sup>th</sup> & Blondo, is requesting assistance to stabilize/rehabilitate a drainageway between 156<sup>th</sup> and 160<sup>th</sup> Streets. The project warrants a Level 3 designation under the revised UDP guidelines. The total cost of the improvements is \$2,133,935. The SID is requesting 40% of this amount, or \$853,574 total. It is recommended that this project be paid over two years, with \$453,574 paid in FY 2016.

The FY 2015 budget included \$1,284,140 for this program. The following table summarizes the FY 2016 applications.

<u>Sponsor</u>	<u>Total Estimated Cost</u>	<u>FY 2016 Cost Share Request</u>
LaVista, Thompson Creek (year 2 of 2)	\$2,769,000	\$300,000
City of Omaha, Hell Creek (year 1 of 3)	\$3,800,000	\$300,000
Huntington Park SID 374 (year 1 of 2)	\$2,133,935	\$453,574
Total	\$8,702,953	\$1,053,574

- It is recommended that the Subcommittee recommend to the Board of Directors that the applications from the City of La Vista for \$300,000, the City of Omaha for \$300,000, and Huntington park SID 374 for \$453,574, for a total of \$1,053,574, subject to funding in the FY 2016 Budget.

#### Recreation Area Development Program

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

Applications have been received and are outlined below.

The City of Papillion has requested cost share assistance for improving amenities and structure of the large pavilion at Halleck Park. The project will include work on doors for both restrooms as well as the service door, installation of a new roof, and new concrete under and surrounding the pavilion. The total estimated cost for the pavilion work is \$164,500 and the City is requesting assistance in the amount of \$50,000.

South Sioux City has requested assistance toward construction of a new combined bath house and storm shelter at Scenic Park. The structure is being designed to offer storm protection, will offer separate men's and women's bathroom facilities, and will include space conditioning equipment to make the facilities accessible throughout the year. The estimated cost for this project is \$175,000 and the City is requesting \$50,000.

The FY 2015 budget amount for this program was \$146,325. The following table summarizes all of the FY 2016 applications.

<u>Sponsor</u>	<u>Total Estimated Cost</u>	<u>FY 2016 Cost Share Request</u>
City of Papillion, Veterans Park	\$164,500	\$50,000
South Sioux City, Crystal Cove Park	\$175,000	\$50,000
Total	\$339,500	\$100,000

- **It is recommended that the Subcommittee recommend to the Board of Directors that the Recreation Area Development Program applications the City of Papillion for \$50,000, and South Sioux City for \$50,000, for a total of \$100,000 be approved, subject to funding in the FY 2016 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 re-requesting assistance to complete the Walnut Creek Connector Trail. This project has been approved in previous years, and after re-design work is now nearing construction. The 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 \$783,367, and the City is requesting assistance for \$78,336 which represents half of the local cost.

The City of Bennington is re-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 has increased over time to \$1,137,100, and construction will begin on May 6, 2015. The City has specifically indicated appreciation for the NRD's on-going assistance in making this project possible and is requesting assistance for \$113,710 which represents half of the local cost.

The Village of Walthill has been working for three years to develop a recreation plan including a trail, and is requesting assistance to have the first trail in their community constructed. This project will be a wellness walking trail with rest areas, and represents the first of four phases of an expected future trail system in the community as indicated in the Master Wellness and Recreation Plan. The project cost is \$213,617 and the Village is requesting \$106,629 in assistance. Federal "Transportation Enhancement" funding no longer exists, and the Village did not apply for federal or state assistance.

Meridian Park SID 257 is requesting assistance to build a trail connection to the Chalco Hills Recreation Area. In 2011, a connection was constructed from 163<sup>rd</sup> Street into the park, and this project will provide additional access to the recreation and natural resource facilities available in the park. The project would fall partially on US Army Corps of Engineers property, and representatives from the SID have been in contact with the USACE regarding the project. The project cost is \$60,000 and SID 257 is requesting \$30,000 in assistance which is half the local cost of the project. Federal "Transportation Enhancement" funding no longer exists, and SID 257 did not apply for federal or state assistance.

The FY 2015 budget included \$299,755 for this program. The following table summarizes these applications.

<u>Sponsor</u>	<u>Total Estimated Cost</u>	<u>FY 2016 Cost Share Request</u>
City of Papillion, Walnut Creek Connector	\$783,367	\$78,336
City of Bennington, Bridge and Trail	\$1,137,100	\$113,710
Village of Walthill, Wellness Walking Trail	\$213,617	\$106,629
Meridian Park SID 257, Chalco Connection	\$60,000	\$30,000
Total	\$2,194,084	\$328,675

- It is recommended that the Subcommittee recommend to the Board of Directors that the requirement to apply for federal or state funding be waived for the Village of Walthill and SID 257, and that the applications from the City of Papillion for \$78,336, the City of Bennington for \$113,710, the Village of Walthill for \$106,629, and SID 257 for \$30,000, for a total of \$328,675 be approved, subject to funding in the FY 2016 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.

Cinnamon Acres Homeowners Association has been a partner with the District on the Cinnamon Acres Greenway – Water Quality Demonstration Project, which helps reduce sediment from entering Wehrspann Lake. Dredging was completed in 2009 following an initial agreement between the Cinnamon Acres and the District from 1995. Invoice and documentation were not submitted for reimbursement until discussion re-started in late 2014. In order to conclude this project, a cost share application was requested from the HOA during the normal application period. Cinnamon Acres has provided documentation for a total project cost of \$20,825 and is requesting \$10,412 in assistance.

No applications for this program were received for FY 2015, and no funding was budgeted. In FY 2014 the budget included \$140,300 for this program.

<b><u>Sponsor</u></b>	<b><u>Total Estimated Cost</u></b>	<b><u>FY 2016 Cost Share Request</u></b>
Cinnamon Acres, Dredging 2009	\$20,825	\$10,412
Total	\$20,825	\$10,412

- It is recommended that the Subcommittee recommend to the Board of Directors that the application from Cinnamon Acres Homeowners Association for \$10,412 be approved, subject to funding in the FY 2016 Budget.

MAR 14 2014



March 12, 2014

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

RE: Urban Conservation Assistance Program  
City of La Vista Grant Application  
9810 Hupp Drive Erosion Control Problem

Mr. Williams:

In response to your letter of February 7, 2014, please find herewith our grant application for the Urban Conservation Assistance Program. If you need further explanation about the request, please contact me.

Thank you for the notification of these programs and we look forward to working with you.

Submitted by:

John M. Kottmann

City Engineer

Encl

Cc Ms. Sheila Lindberg w/copy of application and grant form

**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



URBAN CONSERVATION ASSISTANCE PROGRAM

SPECIAL PROJECT REQUEST APPLICATION

1. DATE: March 10, 2014

2. PROJECT NAME La Vista Public Works Expansion

3. PROJECT SPONSOR: City of La Vista

ADDRESS: Public Works Department

9900 Portal Road

La Vista, NE 68128

4. CONTACT PERSON: Joe Soucie

TITLE: Public Works Director

5. TELEPHONE: 402-331-8927

6. PROJECT LOCATION:

9810 Hupp Drive - see site photo attached.

7. DESCRIPTION OF PROBLEM:

Erosion between twin 60" pipe outlet headwalls and twin box culvert inlet headwall. See photos attached.

8. PROPOSED SOLUTION:

Stabilize slopes between headwalls with large retaining wall blocks or sheet piles, repair and improve runoff drop-down structures, and provide filter strips around drop-down inlets.

9. TOTAL ESTIMATED COST: \$ 30,000

10. COST SHARE REQUESTED: \$ 18,000

11. SIGNATURE/TITLE:

Joseph H. Soucie



La Vista Public Works Facility  
9900 Portal Road

Location of Erosion  
Control Problem

9810 Hupp Drive  
LV Public Works  
Expansion Site

Sources: Esri, DeLorme, HERE,  
TomTom, Intermap, increment P Corp,  
March 3, 2014







City of Omaha  
Jean Stothert, Mayor

**Parks, Recreation &  
Public Property Department**

Omaha/Douglas Civic Center  
1819 Farnam Street, Suite 701  
Omaha, Nebraska 68183-0701  
(402) 444-5900  
FAX (402) 444-4921

**Brook Bench**  
Director

20 March 2015

Mr. Eric Williams  
Papio – Missouri River Natural Resources District  
8901 South 154<sup>th</sup> Street  
Omaha, NE 68138-3621

RE: Barrington Park Trail Creek Bank Restoration – Urban Conservation Assistance Program Application

Dear Eric:

Enclosed please find an application for the Urban Conservation Assistance Program. We are seeking assistance to restore a portion of the creek embankment adjacent to the Barrington Park Connector Trail. Over the years the embankment has continued to erode. Years ago the City installed a few gabion baskets in this area to address erosion at that time. Those baskets were eventually undermined and have fallen into the creek.

The current project will address the embankment erosion, stabilizing it using a cellular confinement system. The portion of the existing trail that is threatened by the eroding embankment will be relocated to the north a few feet to get it away from the restored creek bank as well as to create the safety area needed for the trail.

The project has been designed, a ACOE permit acquired and is ready to be bid. The intent is to put it out to bid late spring and have the work done late summer into fall.

Enclosed you will find the UCAP Application Form, two air photos that help to show the location of the project, two photos of the creek itself, a set of the construction plans, an opinion of probable project costs and a copy of the ACOE permit. If you need additional information on this project or have any questions, please don't hesitate to contact us.

Thank you for the opportunity to apply. We look forward to hearing from you.

Very truly yours,

  
Dennis E. Bryers, FASLA, PLA  
Landscape Architect - Park & Recreation Planner II

DEB/

Enclosures

## Urban Conservation Assistance Program – Application Form



Project name Barrington Park Trail Creek Bank Restoration

Project location (attach location map) Next to 16285 California St./Barrington Park Subdivision

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

Sponsor address 1819 Farnam Street - Suite 701

City Omaha State NE ZIP 68183

Contact person Dennis E. Bryers, FASLA, PLA

Title Landscape Architect/Park & Recreation Planner II

Email address dennis.bryers@cityofomaha.org Daytime phone 402-444-3798

Description of problem (attach additional sheets as needed)

Portion of the south bank of the creek is eroding away and now threatens the existing trail.

Proposed solution (attach additional sheets as needed)

Eroding bank will be graded and a cellular confinement system installed to stabilize it. Portion of the existing trail will be shifted away from the embankment and rebuilt. See attached drawings.

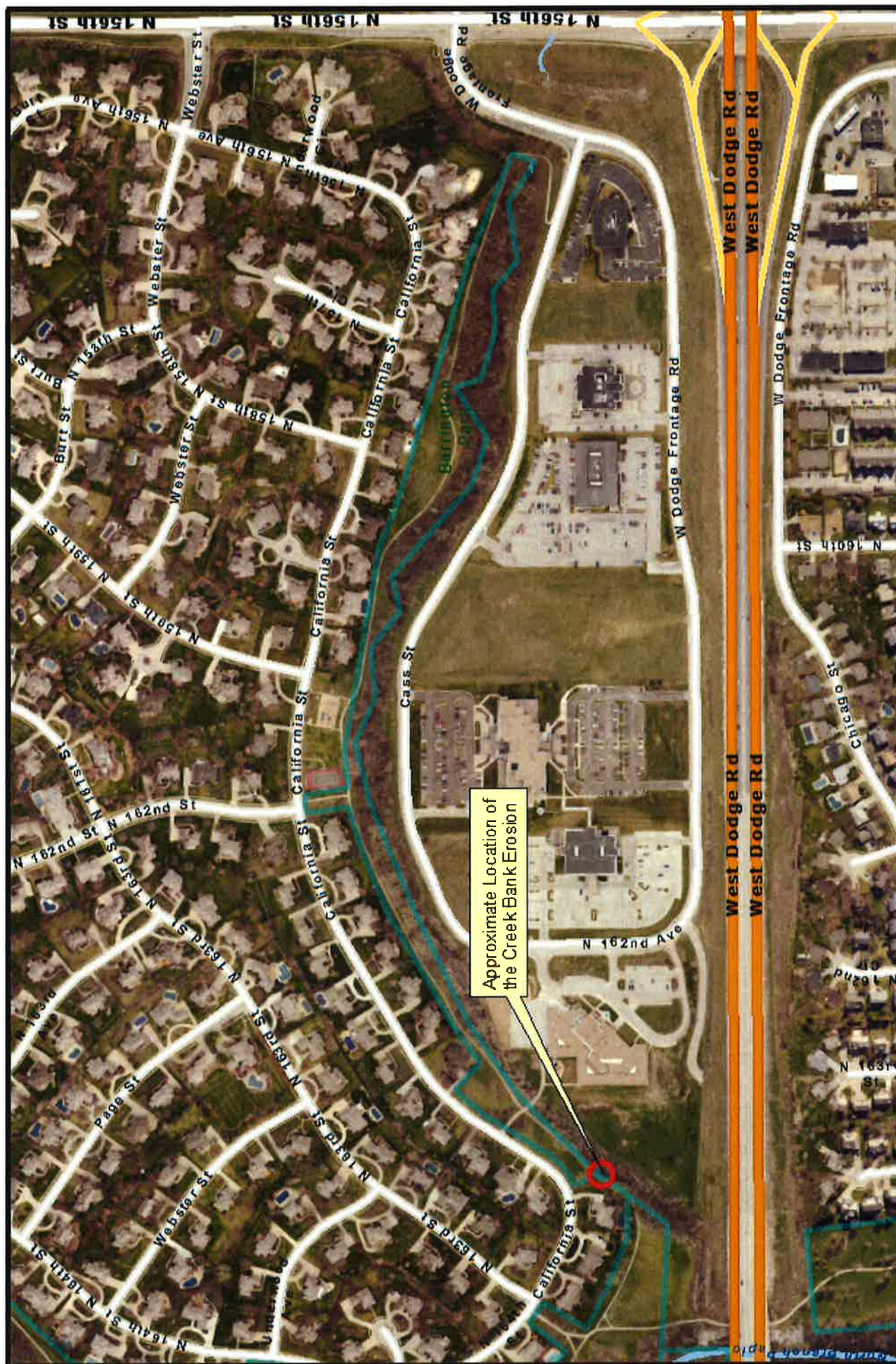
Total estimated cost \$ 57,447.43 Cost share request \$ 30,000.00 (52%)

Dennis E. Bryers  
Signature

20 March 2015  
Date

Landscape Architect / Park & Recreation Planner II.  
Title





## Eroded Creek Embankment - General Location Barrington Park Trail

26 March 2014





26 March 2014

## Eroded Creek Embankment - Site Area Barrington Park Trail











# BARRINGTON PARK TRAIL CREEK BANK RESTORATION 162nd St. & California St. Omaha, Nebraska



Park Planning Division  
City of Omaha  
Parks, Recreation &  
Public Property Dept.  
1819 Farnam Street Suite 701  
Omaha, Nebraska 68183

## SHEET INDEX

- 1 COVER
- 2 GENERAL PLAN
- 3 DESIGN
- 4 DETAILS

## VICINITY MAP



## SURVEY LEGEND

- 100' --- MAJOR CONTOUR
- 50' --- MINOR CONTOUR
- 10' --- CENTERLINE
- 10' --- FENCE-WOOD SPILT DAIL
- 10' --- CONTROL POINT - SET 5/8" X 3/4" REBAR (SCALED BY 30X)
- 10' --- EXISTING TREES, DIAMETER MEASURED 4" ABOVE GROUND (SCALED BY 30X)
- 10' --- DUNE OF TRESLIE
- 10' --- SANITARY SEWER LINE
- 10' --- SEWER MANHOLE
- 10' --- FOUND LOT CORNER PILE

NOTES: Data through lot corner monuments were found and shown on file drawings. The lot lines are shown for the illustration purposes and do not represent the actual survey of the property.

## LEGAL DESCRIPTION

Part of Subdiv. 222, Barrington Park Addition in the City of Omaha, and Part of the South One-half of Section 15, Township 15 North, Range 11 East of the 6th P.M., Platte County, Nebraska.

## BENCHMARK

NES Bench Mark M-0791, ELEVATION 1114.11. Located 43' of mile South of Highway 6 (Hwy 6) and the intersection of 162nd Street, 257' feet west of the center line of 162nd Street, 213' southeast of the southeast corner of the lot, 24' feet south of the center line of a farm road.

## CONTROL POINTS

NO.	EASTING	NORTHING	ELEVATION	DESCRIPTION
1	101279.412	111356.432	1114.11	1/2 REBAR
2	101279.412	111356.432	1114.11	1/2 REBAR
3	101279.412	111356.432	1114.11	1/2 REBAR
4	101279.412	111356.432	1114.11	1/2 REBAR
5	101279.412	111356.432	1114.11	1/2 REBAR
6	101279.412	111356.432	1114.11	1/2 REBAR
7	101279.412	111356.432	1114.11	1/2 REBAR
8	101279.412	111356.432	1114.11	1/2 REBAR
9	101279.412	111356.432	1114.11	1/2 REBAR
10	101279.412	111356.432	1114.11	1/2 REBAR

Notes: All elevations shown are in NAVD 83.

## GENERAL NOTES

- THIS PROJECT SHALL CONFORM WITH THE REQUIREMENTS OF THE CITY OF OMAHA AND THE NEBRASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC SAFETY DIVISION.
- CONSTRUCTION OF EXISTING UTILITY LOCATIONS SHALL BE THE CONTRACTOR'S RESPONSIBILITY. THE UTILITIES SHOWN ON THE PLANS AND NOTES REGARDING RESPONSIBILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES IN THE PROJECT AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES IN THE PROJECT AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES IN THE PROJECT AREA.
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## APPROXIMATE QUANTITIES

NO.	ITEM DESCRIPTION	NO. QUANTITY	UNIT
1	SMALL AND REMOTE CONSTRUCTION ESTIMATES	1	EA
2	GENERAL EXCAVATION AND REMOVAL CONTROL	1	LS
3	EMBANKMENT, BORROW	25	CV
4	PLACING OF SITE	1	LS
5	REMOVAL AND DISPOSAL OF EXISTING CURB	1	EA
6	REMOVAL AND DISPOSAL OF EXISTING CURB	1	LS
7	REMOVAL OF EXISTING TRAIL	400	SF
8	CONSTRUCT NEW 12" RECREATION TRAIL	400	SF
9	CONSTRUCT 12" CELLULOSE CONCRETE SYSTEM	400	SF
10	CHANNEL BEDDING	2,000	SF
11	CHANNEL BEDDING	400	SF
12	INSTALL EXISTING CONTROL BLANKET	1,000	SF
13	INSTALL TRAIL REINFORCEMENT MAT	400	SF

DUGGER'S ROUTINE OF NEBRASKA: 68-31-566-0-111



Know what's below.  
Call before you dig.

COVER

BARRINGTON PARK TRAIL  
CREEK BANK RESTORATION  
OMAHA, NEBRASKA  
1819 FARNAM STREET SUITE 701  
OMAHA, NEBRASKA 68183

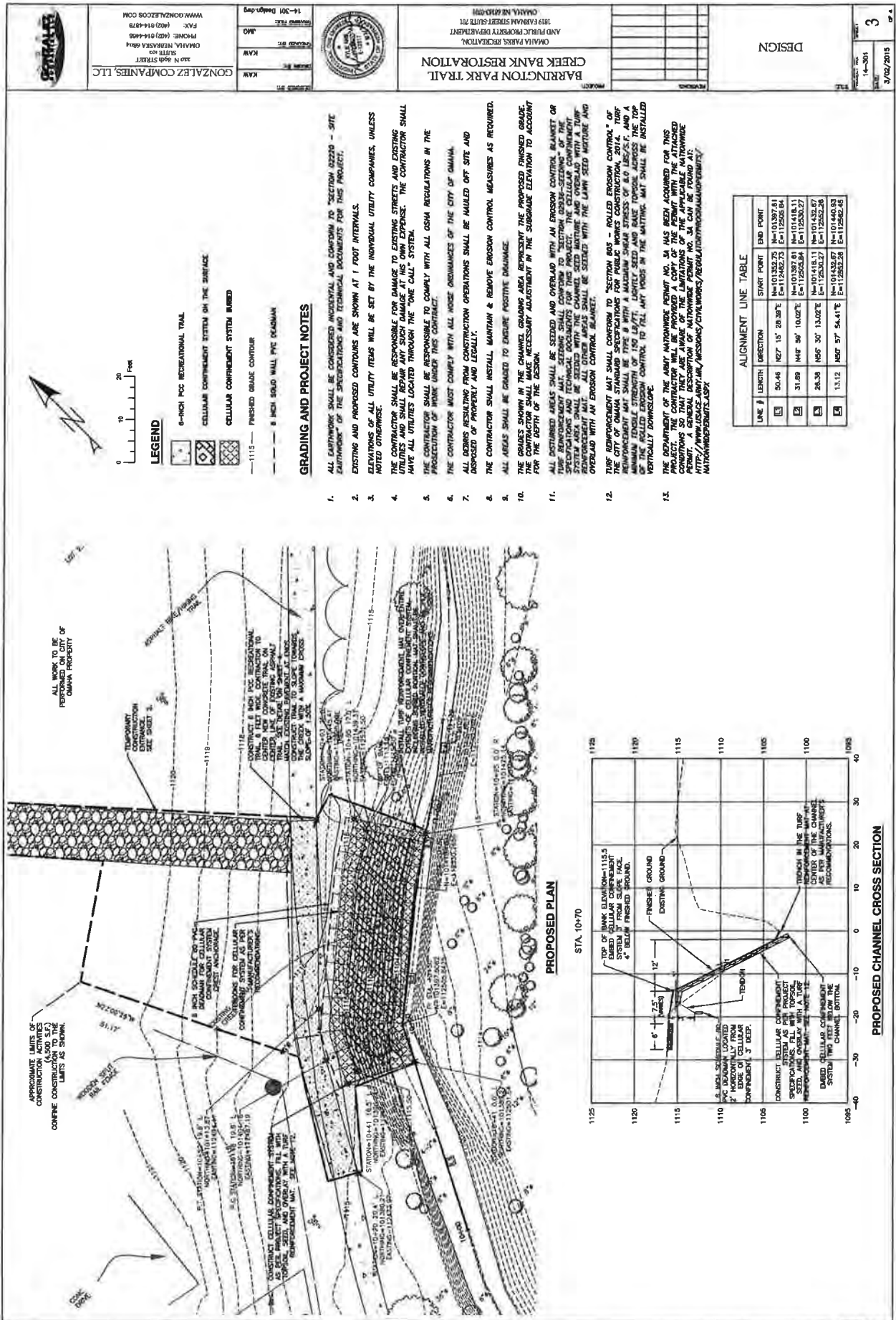


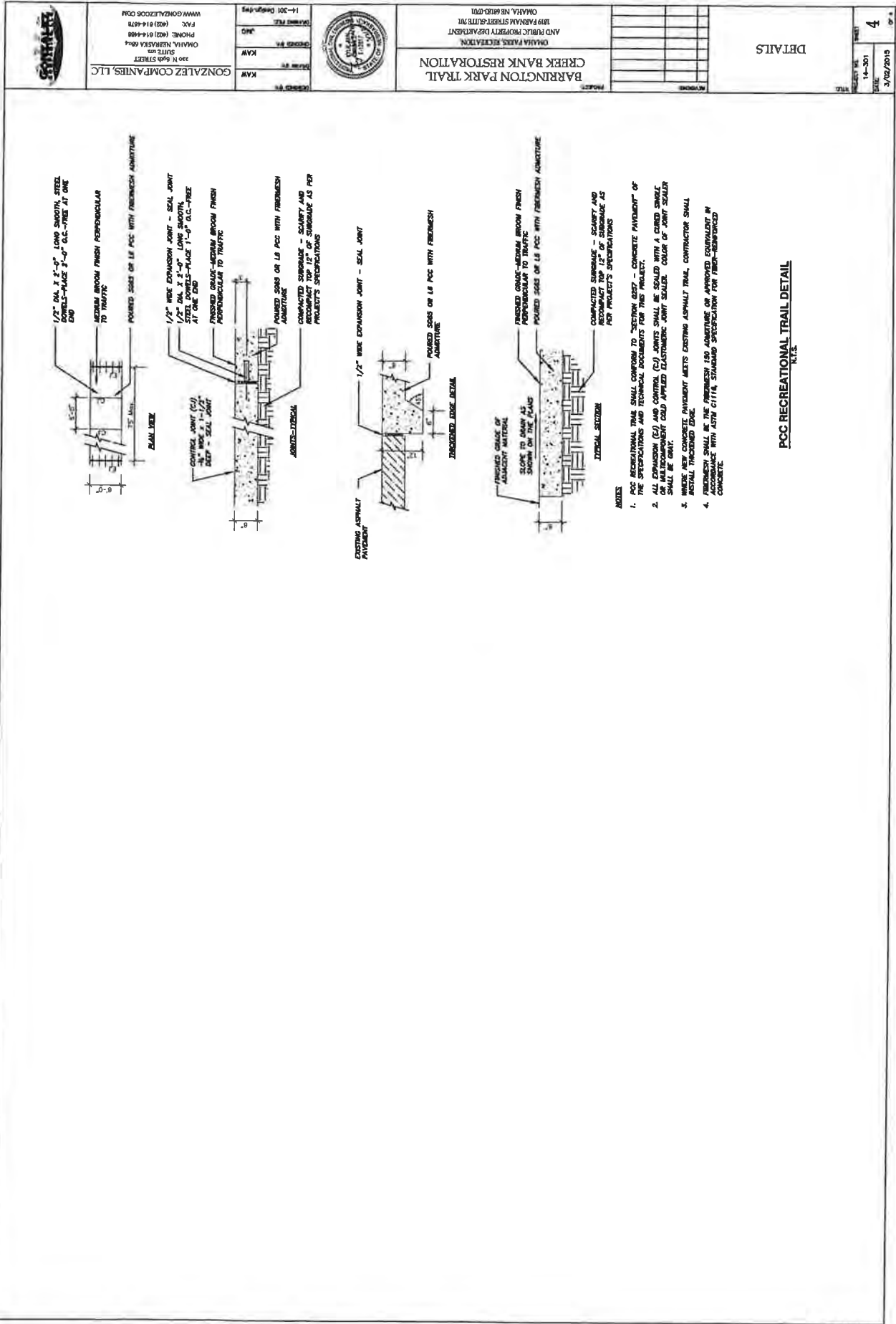
CONZALEZ COMPANIES, LLC  
340 N 90th STREET  
OMAHA, NEBRASKA 68114  
PHONE: (402) 814-4878  
FAX: (402) 814-4878  
WWW.CONZALEZCOMP.COM

14-301 Cover Day  
KAW  
KAW  
KAW

1  
14-301  
5/7/2019









**BARRINGTON PARK TRAIL  
CREEK BANK STABILIZATION PROJECT**

**Opinion of Probable Project  
Design and Construction Costs  
20 March 2015**

ITEM	QTY.	UNIT	UNIT COST	TOTAL
<b>DESIGN</b>				
Topographic Survey	1	LS	\$6,400.00	\$6,400.00
Engineering	1	LS	\$18,398.00	\$18,398.00
<b>SUBTOTAL:</b>				<b>\$24,798.00</b>
<b>CONSTRUCTION</b>				
Install/Remove Construction Entrance	1	EA	\$1,500.00	\$1,500.00
General Erosion & Sediment Control	1	LS	\$1,000.00	\$1,000.00
Embankment-Borrow	33	CY	\$11.00	\$363.00
Clearing of Site	1	LS	\$1,650.00	\$1,650.00
Clearing/Grubbing Trees over 9" to 18" Dia.	1	EA	\$875.00	\$875.00
Remove/Dispose of Existing Gabion Baskets	1	LS	\$2,950.00	\$2,950.00
Remove Asphalt Conc Trail	485	SF	\$1.50	\$727.50
Construct 6" Thick PCC Trail	493	SF	\$6.00	\$2,958.00
Construct Cellular Confinement System	988	SF	\$16.00	\$15,808.00
Lawn Seeding	3019	SF	\$0.10	\$301.90
Channel Seeding	988	SF	\$0.25	\$247.00
Install Erosion Control Blanket	3019	SF	\$0.30	\$905.70
Install Turf Reinforcement Mat	988	SF	\$0.40	\$395.20
<b>SUBTOTAL:</b>				<b>\$29,681.30</b>
10% Construction Contingency				\$2,968.13
<b>Construction Total:</b>				<b>\$32,649.43</b>
<b>Design Total:</b>				<b>\$24,798.00</b>
<b>Construction Total:</b>				<b>\$32,649.43</b>
<b>PROJECT TOTAL:</b>				<b>\$57,447.43</b>



DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS, OMAHA DISTRICT  
NEBRASKA REGULATORY OFFICE - WEHRSPANN  
8901 SOUTH 154 STREET  
OMAHA, NEBRASKA 68138-3621  
<http://www.nwo.usace.army.mil/html/od-me/nehome.html>

December 15, 2014

DEPARTMENT OF THE ARMY NATIONWIDE PERMIT VERIFICATION

**Permittee:**

Dennis Bryers  
Omaha Parks, Recreation, and Public Property  
1819 Farnam Street, Suite 701  
Omaha, Nebraska 68183

**Permit No:** NWO-2014-02422-WEH

NOTE: The term "you" and its derivatives, as used in this permit, means the permittee or any future transferee. The term "this office" refers to the appropriate district or division office of the Corps of Engineers having jurisdiction over the permitted activity or the appropriate official of that office acting under the authority of the commanding officer.

You are authorized to perform work in accordance with the terms and conditions of Department of the Army Nationwide Permit No. 3a found in the February 21, 2012 Federal Register (77 FR 10184), Reissuance of Nationwide Permits. You must comply with all special, regional and general conditions attached herein.

**Project Waterway and Location:**

Tributary to West Papillion Creek  
Section 15, Township 15 North, Range 11 East  
41.26404° North, -96.17124° West  
City of Omaha, Douglas County, Nebraska

**Project Description:**

Project Name: Barrington Park Trail Creek Bank Restoration  
Date of Receipt: October 27, 2014  
Additional Information Requested: November 5, 2014

The City of Omaha proposes to restore approximately 50 linear feet of bank on an un-named Tributary to West Papillion Creek. The existing gabions along the north side of the creek will be removed and discarded. The bank will be reshaped to provide a uniform sideslope and covered with Geoweb®. Seeding will be placed beneath the Geoweb® and an erosion control mat will be placed on top for erosion protection and promotion of vegetation. Impacts to waters of the United States include 50 linear feet of R4SB channel.

**Special Conditions:**

None

**Regional Conditions:**

1. All areas adjacent (contiguous, bordering, neighboring) to jurisdictional waters disturbed by construction shall be revegetated with appropriate perennial, native grasses and forbs and maintained in this condition. *Phalaris arundinacea* (Reed Canary Grass), *Lythrum salicaria* (Purple Loosestrife), *Bromus inermis* (Smooth Brome), *Phragmites, sp.* (Common Reed, River Reed) and *Tamarix, sp.* (Salt Cedar), are NOT appropriate choices of vegetation. A cover crop may be planted to aid in the establishment of native vegetation. The disturbed areas shall be reseeded concurrent with the project or immediately upon completion. Revegetation shall be acceptable when ground cover of desirable species reaches 75%. If this

seeding cannot be accomplished by September 15 the year of project completion, then an erosion blanket shall be placed on the disturbed areas. The erosion blanket shall remain in place until ground cover of desirable species reaches 75%. If the seeding can be accomplished by September 15, all seeded areas shall be properly mulched to prevent additional erosion.

2. When the vegetation has become established, all temporary erosion control materials shall be removed from the project site. Biodegradable or photodegradable materials need not be removed.

3. The use of dredged material in the construction of temporary structures or used for temporary work or used as temporary fill shall not be allowed. The term "dredged material" means material that is excavated or dredged from waters of the U.S. All temporary fill material shall be obtained from an upland source.

4. Plans for the temporary structure/work/fill shall be submitted to and approved by the Nebraska Regulatory Office prior to the commencement of construction.

5. At the completion of the construction activity, all temporary fill material shall be removed in its entirety from the water of the U.S. to an upland area and the affected area shall be restored to its pre-construction condition.

6. The Nebraska Regulatory Office shall be notified with documentation (i.e. photos) when the site has been restored to its pre-project condition.

7. The permittee is responsible for ensuring that the Corps is notified of the location of any borrow site that will be used in conjunction with the construction of the authorized activity so that the Corps may evaluate the site for potential impacts to aquatic resources, historic properties, and endangered species. For projects where there is another lead Federal agency, the permittee shall provide the Corps documentation indicating that the lead Federal agency has complied with the National Historic Preservation Act and Endangered Species Act for the borrow site. The permittee shall not initiate work at the borrow site in conjunction with the authorized activity until approval is received from the Corps.

**General Conditions:**

See attached NWP #3 Fact Sheet.

**Further Information:**


1. We have prepared a preliminary jurisdictional determination (JD) for the site which is a written indication that waterways within your project area may be a water of the U.S. Such waters have been treated as jurisdictional waters of the U.S. for purposes of computation of impacts and compensatory mitigation requirements. If you concur with the findings of the enclosed preliminary JD, please sign it and return it to the above address within two weeks.

2. If you believe the preliminary JD is inaccurate, you may request this office complete an approved JD prior to your commencement of any work in a water of the U.S. An approved JD is an official determination regarding the presence or absence of waters of the U.S. Completion of an approved JD may require coordination with the U.S. Environmental Protection Agency.

3. This determination is applicable only to the permit program administered by the U.S. Army Corps of Engineers. It does not eliminate the need to obtain other Federal, state or local approvals before beginning work.

4. Upon completion of the authorized work and any required mitigation, please sign and return the attached Compliance Certification form to the address listed.
5. This verification will be valid until **March 18, 2017**.
6. Although an individual Department of the Army permit will not be required for the project, this does not eliminate the requirement that you obtain any other applicable Federal, state, tribal or local permits as required. Please note that deviations from the original plans and specifications of your project could require additional authorization from this office.
7. You are responsible for all work accomplished in accordance with the terms and conditions of the Nationwide Permit. If a contractor or other authorized representative will be accomplishing the work authorized by the Nationwide Permit in your behalf, it is strongly recommended that they be provided a copy of this letter and the attached conditions so that they are aware of the limitations of the applicable Nationwide Permit. Any activity that fails to comply with all of the terms and conditions of the Nationwide Permit will be considered unauthorized and subject to appropriate enforcement action.
8. The Omaha District, Regulatory Branch is committed to providing quality and timely service to our customers. In an effort to improve customer service, please take a moment to complete our Customer Service Survey found on our website at <http://per2.nwp.usace.army.mil/survey.html>. If you do not have Internet access, you may call and request a paper copy of the survey that you can complete and return to us by mail or fax.
9. If you have any questions concerning this verification or jurisdictional determination, please feel free to contact Mrs. Laura Banker at the above address or call (402) 896-0896 or e-mail at [Laura.Banker@usace.army.mil](mailto:Laura.Banker@usace.army.mil) and refer to file number **NWO-2014-02422-WEH**.

Signed

  
John L. Moesch  
Nebraska State Program Manager

Enclosures

Copy Furnished:

NDEQ (Jason Garber)  
GC, LLC (Kylie Wilmes)

## PRELIMINARY JURISDICTIONAL DETERMINATION FORM

This preliminary JD finds that there "may be" waters of the United States on the subject project site, and identifies all aquatic features on the site that could be affected by the proposed activity, based on the following information:

**A. Report Completion Date for Preliminary Jurisdictional Determination:**

15 December, 2014

**B. Name and Address of Person Requesting Preliminary JD:**

Dennis Bryers  
City of Omaha Parks, Recreation, and Public Property  
1819 Farnam Street, Suite 701  
Omaha, Nebraska 68183

**District Office, File Name and Number:**

Omaha District, Barrington Park Trail Creek Bank Restoration, NWO-2014-02422-WEH

**D. Project Location and Background Information:**

(Use the attached table to document multiple water bodies at different sites)

State: Nebraska County: Douglas City: Omaha

Center coordinates of site (lat/long in degree decimal format):

Lat: 41.26404°N Long: -96.17124°W Universal Transverse Mercator: 14

S-T-R: S 15, T 15 N, R 11 E

Name of nearest water body: Tributary to West Papillion Creek

Identify (estimate) amount of waters at the review area:

Non-wetland and wetland waters:

linear feet: 500  
width: 5-10 Feet  
acres: NA  
Cowardin class: R4SB Riverine Channel  
stream flow: Perennial

**E. Review Performed for Site Evaluation (Check all that apply):**

X Office (Desk) Determination Date: 15 December, 2014

Field Determination Date:

Site number	Latitude	Longitude	Cowardin Class	Estimated amount of aquatic resource in review area	Class of aquatic resource
Bank Restoration	41.26404° N	-96.17124° W	R4SB	50 Linear Feet	Riverine Channel Bank

**F. Supporting Data -- Data reviewed for preliminary JD (check all that apply)**

(Checked items should be included in case file and, where checked and requested,

Appropriately-reference sources below)

- X Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant  
Data sheets prepared/submitted by or on behalf of the applicant/consultant  
Office concurs with data sheets/delineation report  
Office does not concur with data sheets/delineation report  
Data sheets prepared by the Corps  
Corps navigable waters study  
US Geological Survey Hydrologic Atlas  
X USGS NHD data  
X USGS 8 and 12 digit HUC maps  
X US Geological Survey map(s). Cite scale & quad name: Elkhorn 1:24,000  
X USDA Natural Resources Conservation Service Soil Survey. Citation: STATSGO, SSURGO  
X National wetlands inventory map(s). Cite name: Elkhorn 1:24,000  
State/Local wetland inventory map(s)  
FEMA/FIRM maps  
100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)

Photographs

- X Aerial (Name & Date): Elkhorn 2005 USDA Color Orthophoto  
Other (Name & Date): NAIP 2012 Color Orthophoto, Google Earth various years.

Previous determination(s). File number and date of response letter:

Other information (please specify):

**IMPORTANT NOTE: The information recorded on this form has not necessarily been verified by the Corps and should not be relied upon for later jurisdictional determinations.**

Laura Banker

15 December 2014

Signature of Regulatory Project Manager  
(Required)

Date

Ami E. By, FASIA, PLA

19 December 2014

Signature of Person Requesting Preliminary JD

Date

(Required unless obtaining signature is impracticable)

1. The Corps of Engineers believes that there may be jurisdictional waters of the United States on the subject site, and the permit applicant or other affected party who requested this preliminary JD is hereby advised of his or her option to request and obtain an approved jurisdictional determination (JD) for that site. Nevertheless, the permit applicant or other person who requested this preliminary JD has declined to exercise the option to obtain an approved JD in this instance and at this time.

2. In any circumstance where a permit applicant obtains an individual permit, or a Nationwide General Permit (NWP) or other general permit verification requiring "pre-construction notification" (PCN), or requests verification for a non-reporting NWP or other general permit, and the permit applicant has not requested an approved JD for the activity, the permit applicant is hereby made aware of the following: (1) the permit applicant has elected to seek a permit authorization based on a preliminary JD, which does not make an official determination of jurisdictional waters; (2) that the applicant has the option to request an approved JD before accepting the terms and conditions of the permit authorization, and that basing a permit authorization on an approved JD could possibly result in less compensatory mitigation being required or different special conditions; (3) that the applicant has the right to request an individual permit rather than accepting the terms and conditions of the NWP or other general permit authorization; (4) that the applicant can accept a permit authorization and thereby agree to comply with all the terms and conditions of that permit, including whatever mitigation requirements the Corps has determined to be necessary; (5) that undertaking any activity in reliance upon the subject permit authorization without requesting an approved JD constitutes the applicant's acceptance of the use of the preliminary JD, but that either form of JD will be processed as soon as is practicable; (6) accepting a permit authorization (e.g., signing a proffered individual permit) or undertaking any activity in reliance on any form of Corps permit authorization based on a preliminary JD constitutes agreement that all wetlands and other water bodies on the site affected in any way by that activity are jurisdictional waters of the United States, and precludes any challenge to such jurisdiction in any administrative or judicial compliance or enforcement action, or in any administrative appeal or in any Federal court; and (7) whether the applicant elects to use either an approved JD or a preliminary JD, that JD will be processed as soon as is practicable. Further, an approved JD, a proffered individual permit (and all terms and conditions contained therein), or individual permit denial can be administratively appealed pursuant to 33 C.F.R. Part 331, and that in any administrative appeal, jurisdictional issues can be raised (see 33 C.F.R. 331.5(a)(2)). If, during that administrative appeal, it becomes necessary to make an official determination whether CWA jurisdiction exists over a site, or to provide an official delineation of jurisdictional waters on the site, the Corps will provide an approved JD to accomplish that result, as soon as is practicable.

## Urban Conservation Assistance Program – Application Form



Project name 2015 Channel Improvements

Project location (attach location map) South 156th Street & Giles

Sponsor organization SID 225, Giles Ridge

Sponsor address 11440 West Center Road

City Omaha State NE ZIP 68144

Contact person Robert Czerwinski

Title Municipal Services Department Manager

Email address bczerwinski@eacg.com Daytime phone 402.510.1329

Description of problem (attach additional sheets as needed)

See attached sheet

Proposed solution (attach additional sheets as needed)

See attached sheet

Total estimated cost \$ 51,000.00

Cost share request \$ 30,000.00

Robert Czerwinski  
Signature

3/17/2015

Date

Project Manager  
Title

## **URBAN CONSERVATION ASSISTANCE PROGRAM – APPLICATION FORM**

### **Description of problem –**

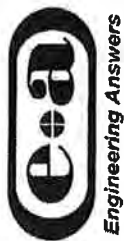
A segment of South Papillion Creek bordering Giles Ridge (SID 225) and Chalco Pointe Development (SID 165) has experienced significant bank sloughing and erosion on the south bank. This erosion resulted in relocations of a 48" storm sewer and 24" sanitary sewer. Further bank erosion is anticipated jeopardizing the relocated sewers as well as adjacent private property owners.

### **Proposed solution –**

The proposed solution consists of the placement of rip rap along the south back water line establishing a hard armor toe of slope. Existing vertical banks will be regarded to a 2.5:1 slope, matted and seeded. A swale will be graded along the top of bank diverting over land flow to a proposed area inlet, reducing potential for bank saturation and rilling.

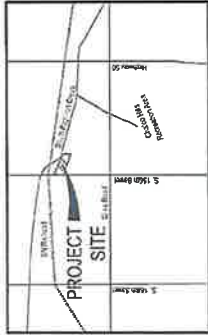


**SOUTH PAPILLION CREEK BANK STABILIZATION**  
Approximate Quantities  
KGV February 24th, 2015

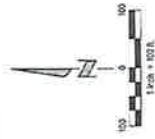


Item #	Description	Total Project Quantity	Unit	Price per Unit	Price
1.	CLEARING & GRUBBING	1	LS	\$ 2,000.00	\$ 2,000.00
2.	EARTHWORK (COMMON EXCAVATION)	440	CY	\$ 2.50	\$ 1,100.00
3.	EARTHWORK (HAUL IN)	900	CY	\$ 12.00	\$ 10,800.00
4.	CONSTRUCT AREA INLET TYPE 2 (SPECIAL 54")	9.6	VF	\$ 400.00	\$ 3,840.00
5.	INSTALL TYPE 'C' RIP RAP	267	TON	\$ 40.00	\$ 10,680.00
6.	SEEDING (UNITED SEEDS LOW GROWTH/GRASS MIX)	0.35	AC	\$ 2,000.00	\$ 700.00
7.	EROSION CONTROL MAT (NORTH AMERICAN GREEN SC150)	14,970	SF	\$ 0.75	\$ 11,227.50
Construction Estimate				\$	\$ 40,347.50
Construction + 5%				\$	\$ 42,364.88
10% Design				\$	\$ 4,300.00
10% CM & Staking				\$	\$ 4,335.12
Total Project Estimate				\$	\$ 51,000.00
<b>FINAL CONTRIBUTIONS</b>					
Papio Missouri NRD				\$	\$ 30,000.00
Sarpy County				\$	\$ 5,000.00
City of Gretna				\$	\$ 5,000.00
SID 225 Giles Ridge				\$	\$ 6,000.00
SID 165 Chalco Pointe				\$	\$ 5,000.00
				\$	\$ 51,000.00
					58.824%
					9.804%
					9.804%
					11.765%
					9.804%
					100.00%

SID NO. 225  
SARPY COUNTY, NEBRASKA



### VICINITY MAP



ITEM	DESCRIPTION	APPROXIMATE QUANTITIES	
		QUANTITY	UNIT
1.	Ceiling and Gully	1.5	
2.	Baranaka (Common Engraving)	400	CY
3.	Baranaka (Paint)	800	CY
4.	Contact Area With Type 1 Superficially	36	SF
5.	Initial Type 1 Re-Flag	97	TN
6.	Seeding (planted Seeds in Growth Grass Matery)	0.35	AC
7.	Excision Control Full (planted Grass Seed 100)	1.890	SF

## INDEX OF SHEETS

Sheet Number	Sheet Title
1	COVER
2	NOTES
3	BANK STABILIZATION PLAN & PROFILE













## Urban Conservation Assistance Program – Application Form

Project name 25th Street RainGarden

Project location (attach location map) See attached location map

Sponsor organization City of South Sioux City

Sponsor address 1615 1st Avenue

City South Sioux City State NE ZIP 68776

Contact person Tami Bailey

Title Grant Administrator

Email address tbailey@southsiouxcity.org Daytime phone 402-494-7591

Description of problem (attach additional sheets as needed)

See attached documentation

Proposed solution (attach additional sheets as needed)

See attached documentation

Total estimated cost \$ 50,000 Cost share request \$ 30,000

Tami Bailey  
Signature

03/17/15  
Date

Grant Administrator  
Title

## **17.0 Urban Conservation Assistance Program**

### **Description of the Problem:**

During rain events, along 25<sup>th</sup> street between the Highway 77 and the Liberty Place apartments, water pools and collects behind the apartments and on the street making the road impassable at times and threatening to flood the apartments. The primary reason for this occurrence is that the land on either side of the street is nestled at the bottom of a hill and is flat. The area is part of the old oxbow for the Missouri River before the Army Corps of Engineers changed the course of the Missouri River. As a result, water flows downhill and ponds in this area creating standing water that spills over into the street and during significantly heavy rain events it threatens to flood the apartments. The storm sewers in the area have a difficult time keeping up and the resulting effect is a flooded roadway

### **Proposed Improvements:**

In an effort to utilize best management practices to help alleviate and mitigate the localized flooding that occurs along the roadway and behind the apartments, the city seeks to create 350 ft. long foot bio-swale/catch basin along the south side of 25<sup>th</sup> street to serve as an overflow for stormwater during heavy rain events and to help mitigate localized flooding that occurs because the storm sewer inlets are inundated and unable to keep up with the volume of water. The project will require the removal of trees along a road right of way behind the apartments. Then the area will be excavated and sandy soils will be utilized to allow for rapid flow of water through the bio-swale/catch basin into the ground. Landscaping fabric and specialized plants conducive to the functionality of the bio-swale/catch basin will be utilized; along with 3" to 6" rock will line the sides of the bio-swale/catch basin to prevent erosion. By providing this additional storm water storage along 25<sup>th</sup> street, this will help to alleviate localized flooding that occurs in this area during rain events.





**OPINIONS OF COST - Revision 2**  
**Project No. 140873.00**  
**South Sioux City, NE**  
**March 18, 2015**  
**Kriens Bio-Swale**

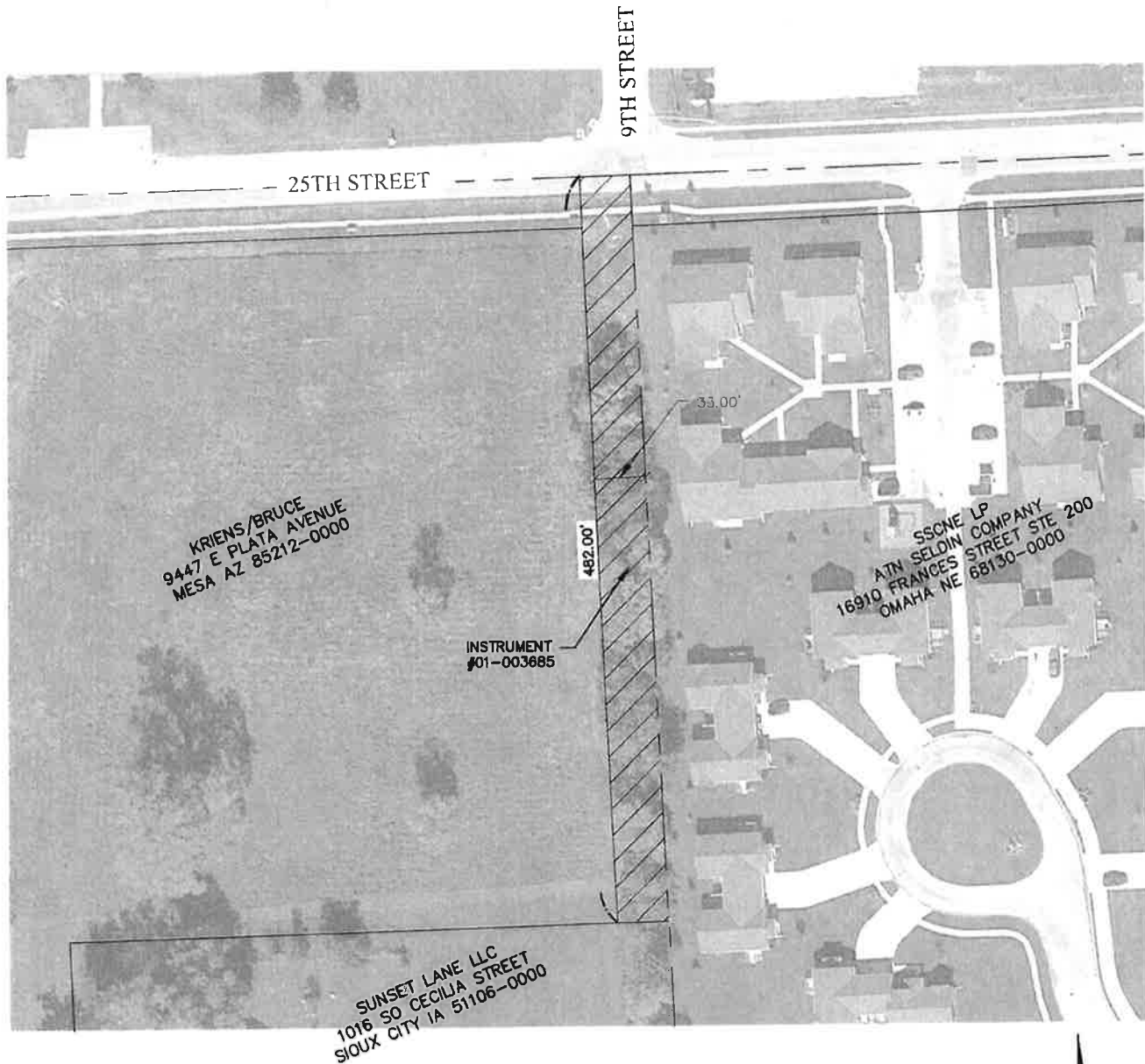
**P1.A. W. 25th Street/9th Street**

ITEM NO.	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL
1	1	LS	Mobilization	\$ 5,000.00	\$ 5,000.00
2	1	LS	Insurance	\$ 5,000.00	\$ 5,000.00
3	800	CY	Excavate & Haul Soil	\$ 12.00	\$ 9,600.00
4	1	LS	Outlet Structure	\$ 4,500.00	\$ 4,500.00
5	1	LS	Seed, Mulch, Fertilize	\$ 2,200.00	\$ 2,200.00
6	1	LS	Special Plantings	\$ 2,200.00	\$ 2,200.00
7	300	TN	Rock (3" - 6")	\$ 43.20	\$ 12,960.00
8	1	LS	Landscaping Fabric	\$ 1,800.00	\$ 1,800.00
9	1	LS	Tree Removals	\$ 4,500.00	\$ 4,500.00
10	1	LS	Clearing & Grubbing	\$ 2,200.00	\$ 2,200.00
Opinion of Construction Cost Subtotal					\$ 49,960.00
Construction Contingency (0%)					\$ -
Total Opinion of Construction Costs					\$ 49,960.00
Right of Way					N/A
Utility Relocation					N/A
Engineering Services (0%)					N/A
Total Opinion of Project Cost					\$ 49,960.00

- 1 No preliminary information was available to assist in generating this opinion of costs.
- 2 Assumes there are no utility conflicts or other encumbrances to the project.
- 3 Project area is 33' wide by 350' long.
- 4 Assumes easement area can be utilized for purposes of drainage improvements.

# PROPERTY EXHIBIT

## KRIENS BIO-SWALE

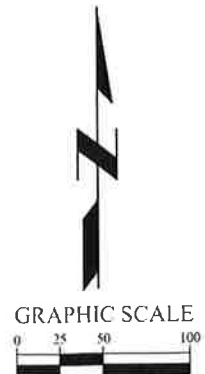


DATE	3/17/2015
SCALE	1"=100'
DRAWN	RMO
JOB NO.	
FIELD BOOK	NA
FIELD WORK	NA
SHEET	1 OF 1
FILE NO.	
SHEET NAME	1

**je**

JEO CONSULTING GROUP INC.  
800.723.8567  
South Sioux City, NE 402.494.7019  
www.jeo.com

NOTE: NO SURVEY DATA WAS PERFORMED FOR THE CREATION OF THIS EXHIBIT



22/3:06

**EASEMENT**

STATE of NEBRASKA } ss.  
DAKOTA COUNTY }  
Filed for record this 22 day of  
January 2001 at 3:06 o'clock  
P M., and recorded as  
Instrument No. 01-003685  
Register of Deeds Mark J. Dancy  
m R.

WHEREAS, EMILE J. SCOVILLE, (hereinafter referred to as "Grantor") is the owner of real estate in South Sioux City, Dakota County, Nebraska, more particularly described below, and the CITY OF SOUTH SIOUX CITY, DAKOTA COUNTY, NEBRASKA, a municipal corporation (hereinafter referred to as "City") desires to extend 9th Avenue between West 25th Street and West 29th Street in the City; and,

WHEREAS, Grantor and the City have agreed upon an easement for a right-of-way for a roadway across the land owned by Grantor in favor of the City.

NOW THEREFORE, EMILE J. SCOVILLE, a widow and single person, grants an easement to the CITY OF SOUTH SIOUX CITY, DAKOTA COUNTY, NEBRASKA on the following terms and conditions:

1. Grantor, in consideration of One Dollar (\$1.00) and other valuable consideration, grants to the City a permanent easement for the installation of a roadway and public utilities, including, but not limited to water lines, sanitary sewer lines, storm water sewer lines, electric lines, and telecommunication lines, over the land owned by Grantor and described as follows, to-wit:

The East 33 feet of the North 482.00 feet of the Northeast 1/4 of the Northeast 1/4 of Section 29, Township 29 North, Range 9 East of the 6th P.M., Dakota County, Nebraska.

2. The easement is for the use and benefit of the City and its successors and assigns and shall include the right to construct, maintain, repair and replace the roadway and public utilities located on said real estate.

3. All rights, title and privileges herein granted, including all benefits and burdens, shall run with the land and shall be binding upon Grantor and their respective heirs, executors, administrators, personal representatives, successors, assigns and legal representatives.

IN WITNESS WHEREOF, Grantor has executed this Easement on the 22nd day of January, 2001.

012 Chg 10.50

01-003685

**RESOLUTION 2015-40**

**RESOLUTION AUTHORIZING APPLICATION FOR A  
PAPIO-MISSOURI RIVER NATURAL RESOURCE DISTRICT  
(PMRNRD) GRANT FOR STORM WATER MANAGEMENT  
PROGRAM.**

WHEREAS, the City of South Sioux City, Nebraska, a municipal corporation, is proposing a Papio-Missouri River Natural Resource District Storm Water Management Program grant for which it would like to obtain funds for 25<sup>th</sup> Street project; and,

WHEREAS, the City of South Sioux City, Dakota County, Nebraska, a municipal corporation, intends to apply for a grant for said purpose from the Papio-Missouri River Natural Resource District Storm Water Management Program; and,

WHEREAS, the City of South Sioux City, Nebraska, a municipal corporation, understands that it must strictly follow all federal, state and local laws, rules, regulations, policies and guidelines applicable to funding of this project; and,

WHEREAS the City of South Sioux City, Nebraska will seek sixty percent (60%) of the funding for this project which has an estimated cost of \$50,000.00.

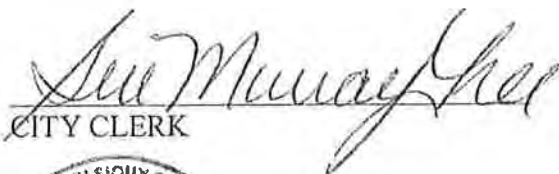
NOW THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF SOUTH SIOUX CITY, NEBRASKA:

The Mayor be authorized and directed to sign and proceed with the formulation of any and all contracts, documents or other memoranda between the City of South Sioux City, Dakota County, Nebraska and the Papio-Missouri River Natural Resource District Storm Water Management Program to support a grant for 25<sup>th</sup> Street project.

PASSED AND APPROVED this 9<sup>th</sup> day of March, 2015.

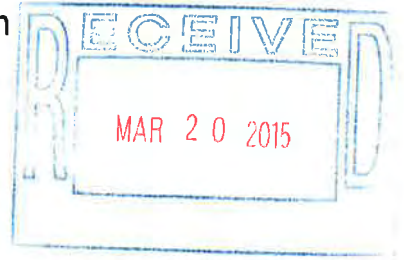
  
MAYOR

ATTEST:

  
CITY CLERK



# Urban Conservation Assistance Program – Application Form



PROJECT NAME: Tim Ohrt Culvert Project

PROJECT LOCATION: Tim Ohrt Park  
East of Vermont Street / South of Bennington Road  
(location map attached)

PROJECT SPONSOR: City of Bennington  
15514 Warehouse Street  
PO Box 221  
Bennington, NE 68007

CONTACT PERSON: Mindi Laaker  
City Clerk

TELEPHONE: 1-402-238-2375

E-MAIL: city@bennington.omhcoxmail.com

## DESCRIPTION OF PROBLEM:

Severe erosion on the south side of Bennington Road is nearing the southern edge of the roadway. The erosion is occurring from water running perpendicular off the roadway and down the bank to the creek. It is believed that large spring and summer rains in 2014 could have attributed to the degradation.

## PROPOSED SOLUTION:

The project adds a 10-15 foot extension onto the existing 120" diameter culvert on the south side of Bennington Road. This extension will allow the area from the bottom of the culvert to the top of the creek bank to be filled with dirt and large rip rap. The slope that currently exists from the bottom of the culvert to the top of the creek embankment is too steep to sustain soil and rip rap in place. The culvert extension allows for the slope to be less which will allow the soil and rip rap to stay in place. The upper creek bank should be seeded and matted to re-establish some vegetation. A segment of concrete curb and gutter will be installed along the south edge of Bennington Road where the road crosses the culvert. A storm water inlet and sufficient pipe would be installed to convey storm water directly to the corrugated metal pipe in lieu of running down the bank and causing further erosion. A steel structure consisting of 'H' pilings, a beam and other miscellaneous steel will be installed with the culvert extension to further aide in supporting the culvert extension.

TOTAL ESIMATED COST: \$52,100

COST SHARE REQUESTED: \$30,000

SIGNATURE/TITLE/DATE:

*Mindi Laaker,  
City Clerk 3-18-15*



N ↑





N







March 3, 2014

Mr. Eric Williams  
Natural Resources Planner  
Papio-Missouri River Natural Resources District  
8901 South 154<sup>th</sup> 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**



**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 PMNRD. 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.

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			
<b>Total Estimated Cost</b>	<b>2,769,000</b>	<b>482,000</b>	<b>2,137,000</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>0</b>

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-PMNRD	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							
<b>Total Estimated Funding</b>	<b>2,769,000</b>	<b>482,000</b>	<b>1,877,000</b>	<b>410,000</b>	<b>0</b>	<b>0</b>	<b>0</b>

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

## Urban Drainageway Program – Application Form

Project name Hell Creek Rehabilitation at Westwood Lane

Project location (attach location map) See Attachment 1.

Sponsor organization City of Omaha, Public Works Dept; Env. QC Division

Sponsor address 5600 South 10th St

City Omaha State NE ZIP 68183

Contact person Selma Kessler

Title Project Engineer

Email address Selma.Kessler@ci.omaha.ne.us Daytime phone 402.444.3915 x 221

Description of problem (attach additional sheets as needed)

See Attachment 1.

Proposed solution (attach additional sheets as needed)

See Attachment 1.

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

Total estimated cost      \$ 3,800,000      Cost share request      \$ 900,000 over 3 yr

Selma C Kessler  
Signature

3-13-15

Date

Project Engineer  
Title

## Attachment 1: Application Form Additional Information

### PROJECT LOCATION:

The Hell Creek Rehabilitation project site is located in the City of Omaha (City), Douglas County, Nebraska [Attachment 1, Figure 1]. The project extends 3,300 linear feet (LF) downstream (southeast) from Westwood Lane to the Union Pacific Railroad (UPPR) crossing downstream of C Street [Attachment 2, Figure 2]. Replacement of four road culverts (S. 126<sup>th</sup> Street, Seldin Drive, A Street, and C Street) between this reach will also be included in the project.

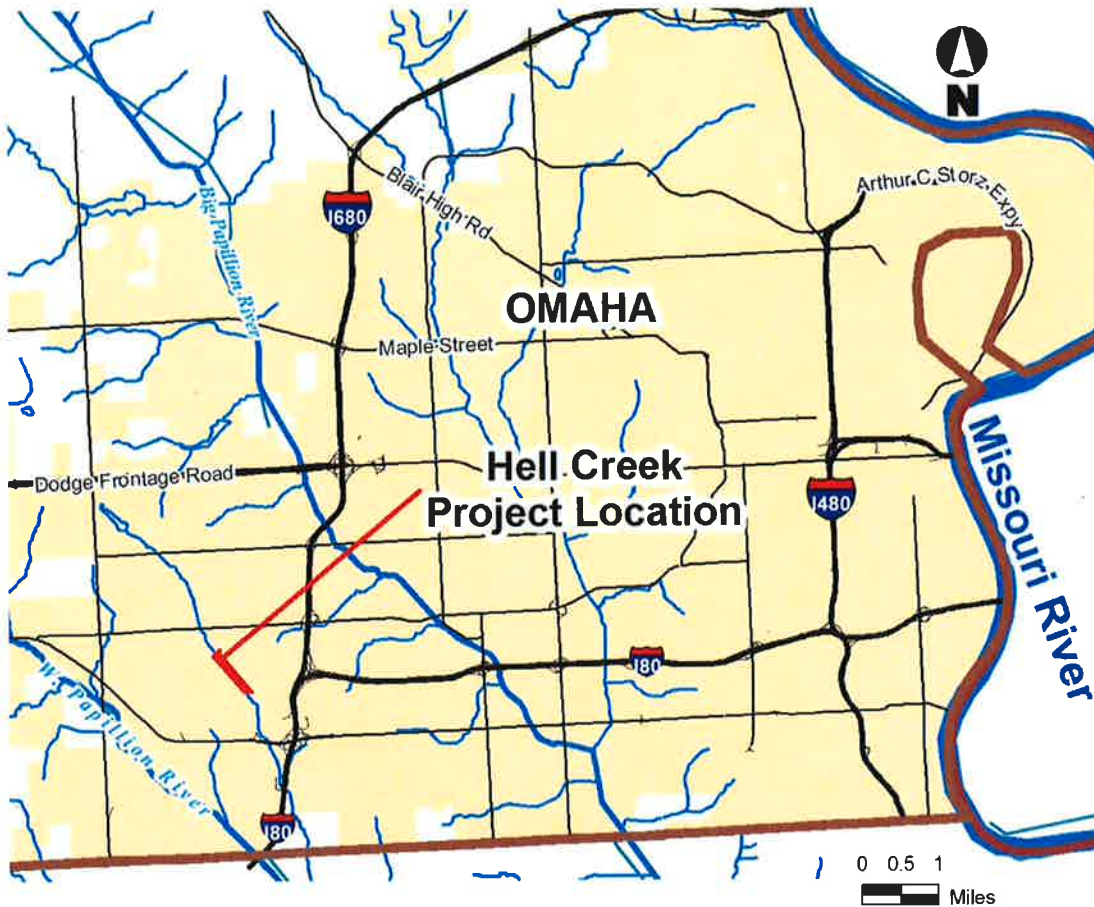


FIGURE 1 – HELL CREEK AT WESTWOOD LANE PROJECT LOCATION



**DESCRIPTION OF PROBLEM:**

**Overview:** The existing conditions of the channel are severely degraded from both an environmental and stability standpoint. The channel is currently covered by a 5-inch thick concrete liner with wire mesh reinforcement. The concrete liner is cracked and broken throughout the project reach with significant voids formed under the liner caused by erosion. Each of the four road culverts (S. 126<sup>th</sup> Street, Seldin Drive, A Street, and C Street) were determined to be in fair to poor structural condition. [See Attachment 3 for more information.]

**PROPOSED SOLUTION:**

**Overview:** The major focus of the solution is removal of the existing concrete liner to provide more natural stream bed and bank conditions. The project design follows nationally recognized methodology for bioengineering and implemented after thorough analysis of existing information, as well as data collected in the field, and engineering, hydrologic, and hydraulic analyses. While the channel's ecological condition will be greatly improved simply by removing the existing concrete liner, this project will also provide significant and sustainable lift in aquatic habitat quantity, quality, and diversity through design features that enhance the benthic and riparian environments. Replacement of the four road culverts will allow each of the culverts to meet their design structural load ratings and provide greater hydraulic capacity than the existing culverts. [See Attachment 4 for more information.]

## Attachment 2: Project Map



FIGURE 2 – HELL CREEK AT WESTWOOD LANE SITE MAP

## Attachment 3: Description of Problem, cont'd.

### *Existing Conditions*

**DEGRADED CHANNEL:** This reach was channelized about than 50 years ago, with a concrete liner installed in 1960's as part of culvert improvements for Sanitary and Improvement District (SID) No. 31. The concrete liner was later repaired in 1982 as part of Project Renovation Number (RN) 4325. The channel is 14 ft wide at the toe, 36 ft wide at the top of bank, and about 5 feet vertically from bed to top of the liner. The deteriorated concrete liner is quickly reaching the end its intended design life.

Currently, the liner is cracked for much of its length, and pieces of the concrete have been carried downstream during storm events. In addition, significant voids have formed at a number of locations as a result of erosion under the liner (Figures 3 and 4). This further limits the functionality of the channel reach, increases risk, and is a blight to the neighborhood and the City.

**LACK OF HABITAT:** The presence of the concrete liner prevents the growth of most vegetation on the banks and forms a uniform channel bottom, creating conditions that are essentially devoid of aquatic habitat. The channel currently has a primary function as a drainage ditch and thus is not being used for its other potential benefits, such as providing;

- an urban stormwater runoff water quality filtering system with a well vegetated riparian buffer that offers the potential for diverse habitat,
- in channel diversity for supporting benthic macroinvertebrates that fish can feed upon,
- providing an aesthetically pleasing neighborhood amenity, and
- providing educational opportunities for the public.

**CONSTRAINED SITE:** The City is committed to implementing green infrastructure that promotes environmental and functional sustainability when rehabilitation of its urban streams is required. This is often difficult where development is already established. The existing channel segment is confined on both the right and left banks by parallel overhead power and sanitary sewer utilities, as well as 75 homes and associated structures such as garages, sheds, and pools with property lines (Figure 5).

**POOR CONDITION OF CULVERT(S):** Each of the existing structures are two-cell culverts, 6 feet tall by 12 feet wide. Each of the culverts were found to be in fair to poor structural condition. The deck and approach slabs have concrete cracking and spalling (Figure 6), exposed reinforcing steel from delaminated concrete (Figure 7), deck pop outs and scaling, and shrinkage cracks. The railing posts are cracked and do not meet minimum height requirements of current safety codes. The wing walls have major concrete delamination and severe cracks (Figure 8). The culvert barrels have shrinkage cracks and minor efflorescence present on the underside of the decks and on the interior vertical walls. These conditions all contribute to the culverts not meeting their design structural load ratings.

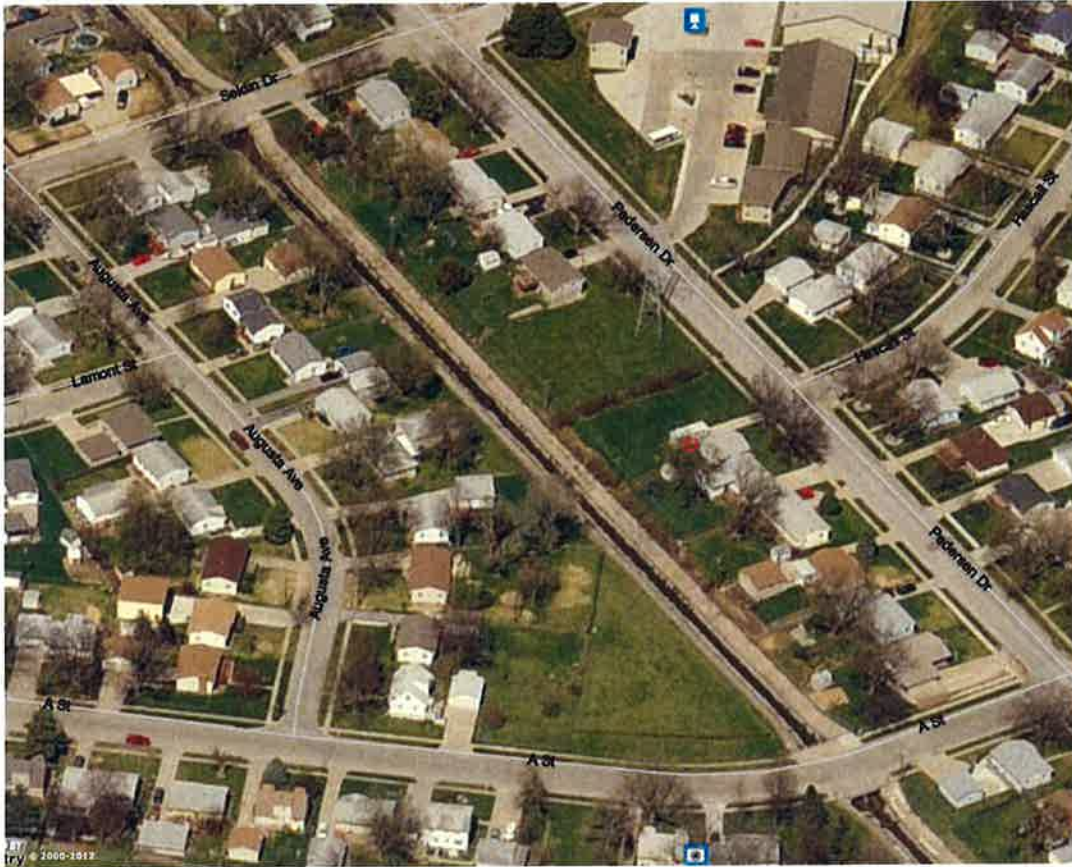




**FIGURE 3 – HELL CREEK – EXISTING CONCRETE LINED CHANNEL (LOOKING DOWNSTREAM OF WESTWOOD LANE)**



**FIGURE 4 – TYPICAL CONCRETE LINER FAILURE UPSTREAM OF C STREET**



**FIGURE 5 – HELL CREEK BETWEEN SELDIN DRIVE AND A STREET (SOURCE: CITY OF OMAHA/DOUGLAS COUNTY PICTOMETRY)**





**FIGURE 6 – TYPICAL CONCRETE CRACKING AND POTHOLES ON DECK AT A STREET**



**FIGURE 7 – TYPICAL EXPOSED REINFORCING STEEL FROM DELAMINATED CONCRETE AT A STREET**





**FIGURE 8 – TYPICAL CRACKED AND DELAMINATED CONCRETE AT A STREET WING WALL**

## Attachment 4: Description of Solution, cont'd.

### *Conceptual Design*

**CHANNEL REHABILITATION:** The City needs to address the failing concrete liner; however, instead of replacing it with a new concrete liner, the City seized the opportunity to coordinate with the upstream Sterling Ridge developer and chose a more cost effective and environmentally friendly approach described further below (Figure 9). The Hell Creek Rehabilitation includes the enhancement of a restricted channel corridor to the maximum extent practical. While the channel's ecological conditions will be greatly improved simply by removing the existing concrete liner, this project will also provide significant and sustainable lift (improvement) in aquatic habitat quantity, quality, and diversity through in-channel design features that enhance the benthic and riparian environments. Although the channel will not meander from its current alignment, diverse benthic habitat will be created through the proposed riffle and pool series.

An initial assessment of the existing creek using Environmental Protection Agency's (EPA's) Rapid Bioassessment Protocol (RBP) for Aquatic Habitat resulted in a habitat score of 64 out of a possible 200 points, which is a "Poor" habitat condition ranking. An estimate of the habitat score expected after the proposed project is completed is 141 points, which is a "Sub-Optimal" ranking. This is a substantial lift in the habitat value in the channel, even though the project will not be able to achieve an "Optimal" ranking (habitat score greater than 165 points) due to site constraints that cannot be changed, such as the straight channel alignment.

The project design follows nationally recognized methodology and has been developed after thorough analysis of existing information, as well as data collected in the field, and engineering, hydrologic, and hydraulic analyses. The channel rehabilitation conceptual design includes the following design features:

- Pre-project coordination to provide peak flow attenuation upstream at Sterling Ridge development
- Cross-section adjustments (channel reshaping)
- Bank stabilization (vegetation, soil/rock mixtures, and geotextiles)
- Longitudinal profile grade control (rock structures)

The design includes making minor modifications to the channel dimensions and invert elevations (with a series of grade control rock structures called "cross vanes"). Existing fences along the entire channel, including the culvert headwalls, will be replaced for public safety.

**PRE-PROJECT COORDINATION:** The coordinated effort during the redevelopment of Sterling Ridge (located southeast of 132<sup>nd</sup> and Pacific St, along Hell Creek upstream of the rehabilitation project area) with the City Planning and Public Works Departments provided a rare opportunity to maximize natural environment enhancements in an urban channel without adversely impacting floodplain boundaries. The reintroduction of the floodplain bench and inlet restrictions constructed through the redevelopment of Sterling Ridge were implemented in anticipation and support of the planned downstream channel improvements being undertaken by the City. Given the site constraints on the downstream channel reach, namely the adjacent residential properties and overhead and underground utilities, the improvements in Sterling Ridge to attenuate peak

flows will result in a no-rise in the 100-year floodplain with the construction of this downstream project.

**CHANNEL CROSS SECTIONS:** Channel cross-sections will maintain stable bank side slopes generally be 2:1 (H:V) or flatter. Due to the project's site constraints, the channel will be stabilized along its existing alignment. The existing concrete liner will be removed from the channel and replaced with a mix of natural materials similar to those used in the Whitted Creek and Rockbrook Tributary designs, such as native grasses, underlain with a soil and rock mixture (necessary to withstand estimated shear stresses and velocities in the channel) and stabilized with biodegradable geotextiles (Figure 10). Design components are cost-effective and include minimizing grading as much as possible and using some materials that are already onsite, including some of the crushed rock from the existing concrete liner as sub-grade stabilization, as appropriate. The existing road crossing culverts will be replaced, as they have deteriorated concrete that is spalling, resulting in exposed rebar (reinforcing steel) in several places.

**BANK STABILIZATION:** Bank stabilization presents challenges due to the restrictive land use of multiple private residential properties adjacent to the stream. Typical natural channel cross-section adjustments are not possible; therefore, soil bio-engineering techniques will be limited to the use of geotextiles and vegetation. Deep-rooted native grasses are proposed based on their ability to provide suitable stability to the channel banks and to minimize the impact to the channel hydraulics in terms of roughness. A solid foundation at the toe of slope is necessary to maintain the bank slopes, which will be accomplished with a channel toe base consisting of a compacted soil and rock mixture. The banks will be covered with topsoil and densely woven coir geotextiles, which can withstand high velocities and shear stresses until stands of native grass species become established. There are four stormwater pipe outfalls with the project limits that will be stabilized with vegetated Flex-a-mat (articulated concrete mats with gaps allowing vegetation to grow through) for storm flow energy dissipation.

**LONGITUDINAL PROFILE:** Longitudinal profile grade control is a major component of channel rehabilitation and is used to mitigate the erosive properties of the stream flow. If grade control is not present, storm flows can erode the channel bed and banks, creating an incised channel with unstable banks that continue to erode. Similar to Whitted Creek and Rockbrook Tributaries, a series of step-pool cross vanes is proposed to gradually transition the bed elevation of the channel through the project reach to maintain the grade of the channel and dissipate energy as water cascades over the rocks (Figure 11). Cross vanes are generally configured so that the "V" shaped structure points upstream and the sills tie into the sub-grade of the banks. Base flow stays within the center of the channel and elevated stormwater flows rise over the arms of the cross vane and are directed into the plunge pool in the center of the channel (Figure 11). This type of structure is designed to be low profile, essentially buried into the channel bed and banks, and establishes the grade of the stream. The cross vane arms will be designed to protect the channel bank upstream and downstream of the vane itself.

**CULVERT DESIGN:** The Structural Assessment Report includes recommendations that the existing structures at 126th Street, Seldin Drive, A Street, and C Street be replaced with new cast-in-place concrete box culverts and wing walls. The recommended replacement culverts have greater hydraulic capacity than the existing culverts. The recommended structures are two-cell culverts with extended dimensions of 6 feet in height and 15 feet in width. Two-cell culverts are



recommended, rather than single cell, to minimize impacts to the roadway profiles. A single-cell culvert would raise the existing profile more than 1 foot and would require more roadway reconstruction. The residential roadway and sidewalks over each of the culverts will be removed and replaced along with the culverts.

**LEVEL OF DESIGN JUSTIFICATION:** The design of this project is environmentally sustainable because of the significant improvement in habitat quantity, quality, and diversity that will be accomplished through the use of bio-engineering techniques. The project has no potential to cause harm to the environment and will result in a substantial gain for the environment because it will create approximately 3,300 linear feet of new benthic and riparian habitat while resulting in a no-rise in the 100-year floodplain due to the coordinated effort to provide peak flow attenuation through improvements made during the redevelopment at Sterling Ridge. The project will have clear and direct environmental benefits and will make a valuable contribution to the community by addressing the following environmental emphases.

**Habitat:** The project will restore native habitats by replacing the concrete liner with native grasses; enhance community habitat by demonstrating the use of native and ecologically appropriate plantings that provide food and shelter for wildlife; and can include community outreach (stream cleanup events) and education activities (Westwood Heights Neighborhood Association National Night Out Project Tour) to promote public appreciation of the value of natural resources.

**Surface and Ground Water:** The project will restore a better connection between the waterway and ground water, reversing past degradation and depletion caused by the barrier of the concrete liner.

**Soil Management:** The project will restore soil health by re-establishing a native grass lined channel and limited riparian buffer; implement and foster the use of amended soils to support the native vegetation along the channel and in construction staging areas (parcels owned by City adjacent to channel at A and C Streets).

The removal of the existing concrete channel liner in Hell Creek, and the rehabilitation of the channel with more natural materials also supports several of the Papillion Creek Watershed Management Plan Stormwater Management Policies, including;

**Water Quality Improvement:** Improving urban stormwater water quality to work toward meeting water quality standards and community-based goals.

**Peak Flow Reduction:** Maintaining or reducing stormwater peak discharges. The storage implemented as part of the upstream Sterling Ridge redevelopment reduced peak flows in the channel reach. The use of rough natural channel materials instead of the smooth concrete liner reduces channel flow velocities.

**Landscape Preservation, Restoration, and Conservation:** Utilizing landscape restoration techniques such as soil amendments to support native grasses enhance aesthetics, quality of life, and recreational and educational opportunities along the channel, as well as reducing pollutants and managing urban stormwater runoff.

Erosion and Sediment Control and Other BMPs: The project includes erosion and sediment control measures in the construction phasing and sequencing to minimize the amount of erosion during construction in the channel. The concrete liner will be removed in short segments so that the channel can be stabilized as work progresses downstream, instead of exposing the entire channel to erosion by removing all of the concrete liner at once.

In addition, the project supports several of the City's Master Plan Environmental Element goals for the Natural Environment, including;

Water: Preserving and restoring natural hydrologic features and functions; providing opportunities for people to experience and connect with natural water features; and reducing the impact of urbanization on stormwater quality and quantity.

Nature Habitats: Preserving, protecting, and restoring natural communities, ecosystems, and their processes and habitats; and providing for the needs of native species in balance with human habitation.

Urban Landscapes: Promoting the use of native plants in landscaping; ensuring the health of the City's plant community; and improving the value of the urban landscape for wildlife.

Visual Resources: Preserving natural areas and views contributing to a scenic setting and distinctive character.

**PROPOSED SCHEDULE:** The following schedule is based on available funding:

FY2013-15	Detailed Design, Final Design Complete in March 2015
FY2015-16	Construction (Starting end of May 2015) and Initial Permit Monitoring
FY2016-20	Annual US Army Corps of Engineer Section 404 of the Clean Water Act Permit Monitoring

**OTHER FUNDING:** The City of Omaha Public Works Department is funding the portions of the project not covered by grant funding. Of the estimated \$3,590,000 total construction cost, the stream rehabilitation components are estimated to cost \$2,020,000. The culvert and roadway replacement components' construction are estimated to cost the remaining \$1,570,000 and will be funded by City of Omaha Street Bonds. The Nebraska Environmental Trust awarded the project a \$1,000,000 grant to cover the project design and bidding (\$650,000), and a portion of the project construction costs (\$350,000).

The City is respectfully requesting a 54% match for the stream rehabilitation portions of the project (a little less than the eligible 60% match for a Level 2 project) from the Papio-Missouri Natural Resources District's Urban Drainageway Grant.

**AVAILABLE SUPPORTING DOCUMENTATION:** Additional documentation related to this project is available electronically upon request.

- Hell Creek at Westwood Lane - Alternatives Development and Conceptual Design Technical Memorandum, November 28, 2011, 45 pages.

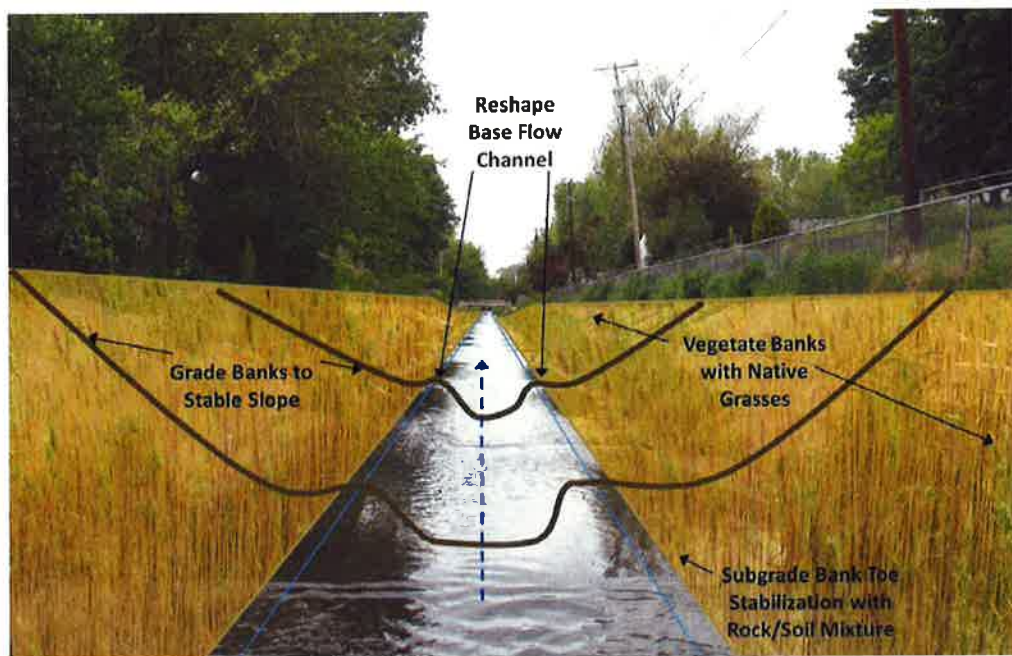
- Hell Creek at Westwood Lane Rehabilitation Project: Final Basis of Design Report, March 10, 2015, 182 pages.
- Hell Creek at Westwood Lane Rehabilitation Project: Structural Assessment Report, March 24, 2014, 20 pages.





**FIGURE 9 - STERLING RIDGE DEVELOPMENT (FORMER IRONWOOD GOLF COURSE) AND HELL CREEK REHABILITATION PROJECT LOCATION MAP**





**FIGURE 10 – HELL CREEK PROPOSED TYPICAL CHANNEL CROSS SECTION**



**FIGURE 11 –HELL CREEK PROPOSED CROSS VANE ROCK GRADE CONTROL STRUCTURE AND VEGETATED BANKS (CONCEPTUAL RENDERING, LOOKING DOWNSTREAM)**

## Urban Drainageway Program – Application Form

Project name Huntington Park Channel Rehabilitation

Project location (attach location map) Northwest corner of 156th and Blondo Streets, Omaha, NE

Sponsor organization S.I.D. No. 374, Douglas County

Sponsor address 10250 Regency Circle

City Omaha State NE ZIP 68114

Contact person Dennis P. Hogan

Title Attorney

Email address dhogan@pheblaw.com Daytime phone 402/397-5500

Description of problem (attach additional sheets as needed)

Severe erosion continues to degrade this unnamed branch to the North Branch of the West Papillion Creek. The channel banks are nearly vertical, undercut, and washed away. (Additional pages.)

Proposed solution (attach additional sheets as needed)

Rehabilitating the channel with the combination of bioengineering techniques, construction of grade control structures, and lengthening the channel. (Additional pages.)

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

Total estimated cost      \$ 2,133,935.00      Cost share request      \$ 853,574.00

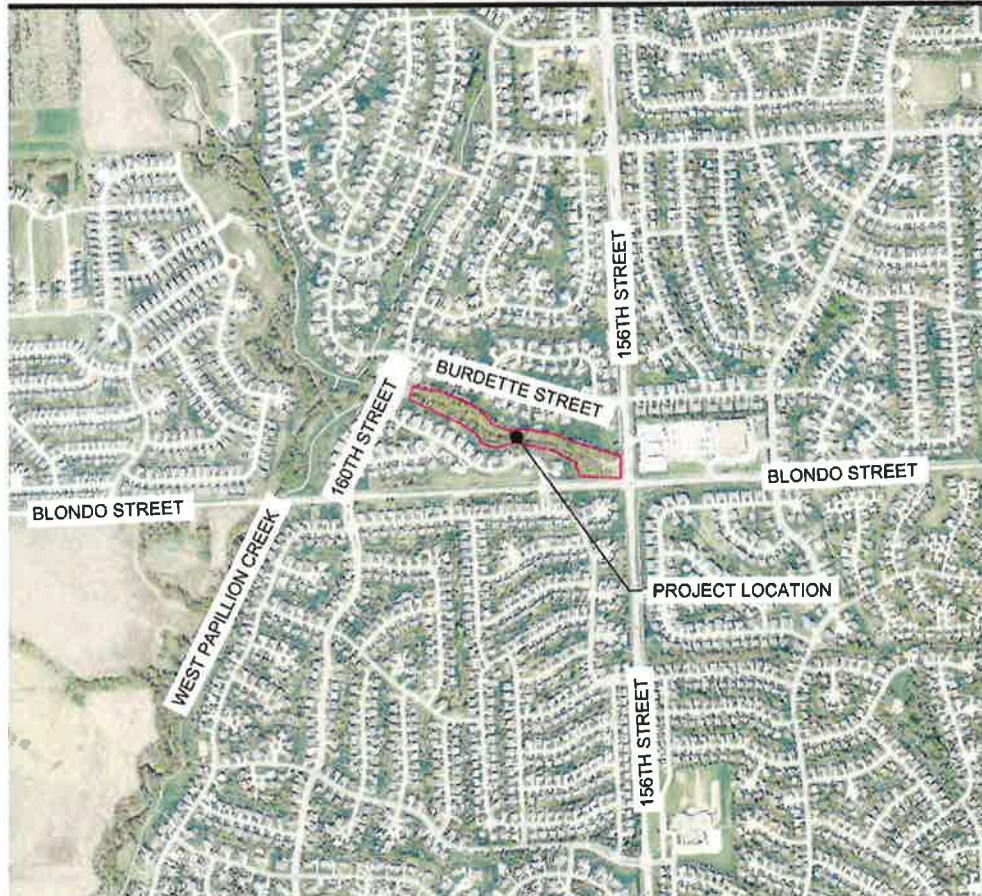
Daren Konda, P.E.  
Signature

03/18/2015  
Date

Civil Engineer, Project Manager  
Title



## LOCATION MAP



	Job Number: 920-129	Date: 03-17-15	Huntington Park Channel Rehabilitation
	thompson, dreessen & dorner, inc.	Drawn By: BPH	
	10836 Old Mill Rd	Reviewed By: DAK	
	Omaha, NE 68154	Revision Date:	
p.402.330.8860 www.td2co.com			Location Map
			Page 1 of 1

## DESCRIPTION OF PROBLEM

### 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 and a continuation of head cutting (see photos: 1, 1A, and 1B). 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, 2A, and 2B).

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, 3A, and 3B). 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 156<sup>th</sup> Street Improvements in early 2016.

Further downstream an 18" CMP with a pile bent structure sits approximately ten feet from the channel bank, out in the middle of the channel (see photos: 4, 4A, and 4B). This photo illustrates how far back the channel side slopes have eroded since the installation of the pile bent in the early 1990's. The channel banks have eroded back approximately two feet since 2011.

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 supporting soils being undercut and exposed roots. Once undercut, these trees periodically fall into channel. There are also numerous "junk" trees populating the project area.

Exhibit photos P1 - 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. It was recommend for funding by NRD staff in 2013 and 2014 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, 1A, AND 1B



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.**



2014



2015

PHOTO 1A: The 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.

PHOTO 1B: Note the additional bank erosion and undercutting.



EXISTING CONDITIONS PHOTO 2, 2A, AND 2B



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.



2014



2105

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

PHOTO 2B: Note more bank erosion.

EXISTING CONDITIONS PHOTO 3, 3A, AND 3B



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.



2014



2015

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

PHOTO 3B: Note additional rip rap washout and dislodged dissipation element.

EXISTING CONDITIONS PHOTO 4, 4A, AND 4B



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.



2014



2015

PHOTO 4A: The 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.

PHOTO 4B: Note addition bank erosion, approximately 2 feet wider than in 2011 and the opposite bank has become more vertical.



## PROPOSED SOLUTION

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
- Grading channel banks
- 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
- Establishment of vegetation
- 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.

Energy dissipaters are proposed to be constructed at the outlet of the 8' x 10' box culvert extension and the 84" RCP culvert extension be under the City of Omaha Public Works Department 156<sup>th</sup> Street Improvements project at the upstream end of the channel located at 156 Street. At this outlet, open cell articulated concrete blocks will armor the portion of the channel experiencing high velocities of water discharging from the culverts. Additional energy dissipating structures are proposed to be constructed within the open cell articulated concrete blocks to 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 this 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 channel banks. 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.

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 156<sup>th</sup> Street and 160<sup>th</sup> 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.
- Design for this Channel Rehabilitation project can be coordinated with the 156<sup>th</sup> Street Improvements project currently being worked on by the City of Omaha Public Works Department.

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.	\$100,000.00	\$100,000.00
2	Erosion Control	1	L.S.	\$30,000.00	\$30,000.00
3	Channel Grading, In Place	15,000	CY	\$15.50	\$232,500.00
4	Articulated Concrete Block, in place	44,300	S.F.	\$16.00	\$708,800.00
5	Existing Storm Sewer Rehabilitation	1	L.S.	\$10,000.00	\$10,000.00
6	N.A.G. C125BN Organic Erosion Control Mat	6,400	S.Y.	\$12.00	\$76,800.00
7	N.A.G. SC250 Erosion Control Mat	4,300	S.Y.	\$10.00	\$43,000.00
8	Native Grass Seed	3.5	A.C.	\$2,500.00	\$8,750.00
9	Vegetated Retaining Wall	4,400	S.F.	\$30.00	\$132,000.00
10	Coir Logs	4,000	L.F.	\$30.00	\$120,000.00
11	Fascine Bundles	4,000	L.F.	\$25.00	\$100,000.00
12	2" Caliper Trees	300	EA.	\$350.00	\$105,000.00
13	Site/Landscaping Restoration	1	L.S.	\$20,000.00	\$20,000.00
SUBTOTAL					\$1,686,850.00
10% CONTINGENCY					\$168,685.00
TOTAL ESTIMATED CONSTRUCTION COST					\$1,855,535.00
ESTIMATED ENGINEERING, SURVEY, AND CONSTRUCTION OBSERVATION COSTS (15%)					\$278,400.00
TOTAL ESTIMATED COST					\$2,133,935.00
40% NRD COST SHARE					\$853,574.00

## IMPLEMENTATION SCHEDULE

TASK	COMPLETION DATE
Submit Urban Drainageway Program Application	March 20, 2015
Receive funding from NRD	August 15, 2015
Finalize construction plans and documents, complete permit applications, and receive permit approval *	October 1, 2015
Bid Project	November 1, 2015
Begin Construction	November 15, 2015
Finish Construction	May 1, 2016
Final payment to contractor	June 1, 2016
Reimbursement from NRD	July 1, 2016
*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

**Huntington Park  
Channel  
Rehabilitation**

SID 374, Douglas  
County



P1 - 160th Street Culvert



P3 - Steel Piling



P5 - Creek Erosion



P7 - Creek Erosion



P9 - Creek Erosion



P2 - Creek Erosion



P4 - Steel Piling



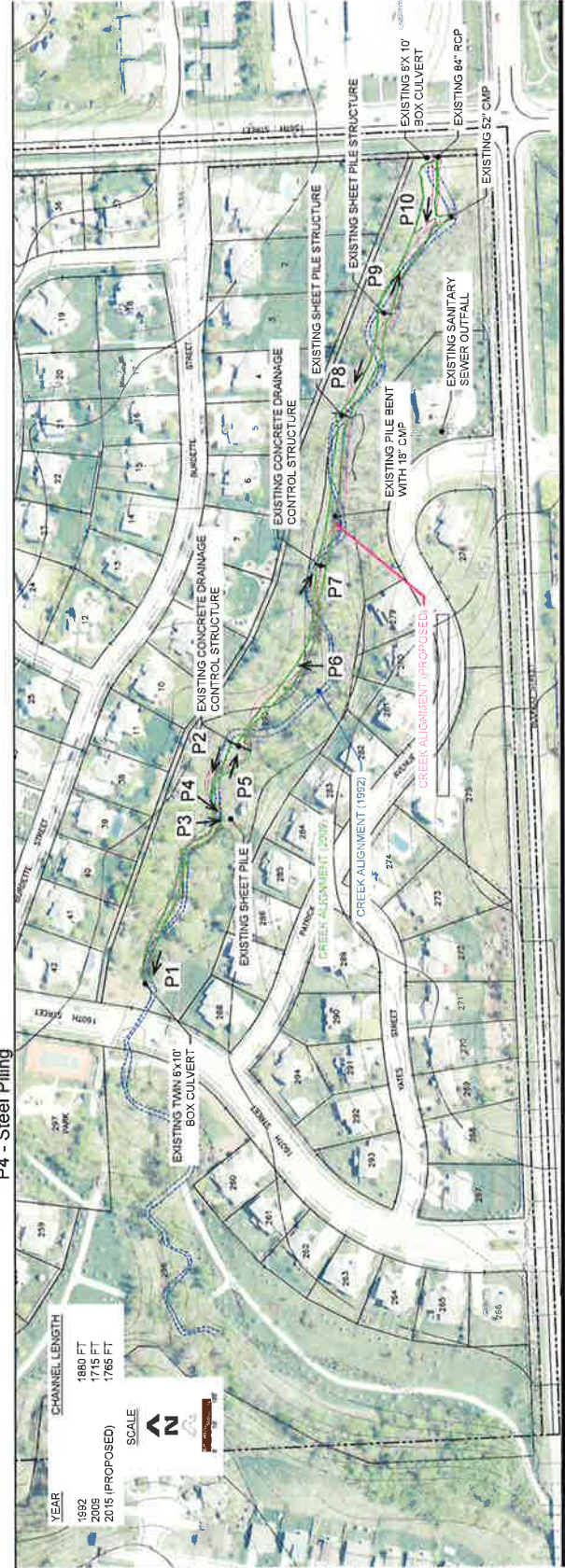
P6 - Creek Erosion



P8 - Creek Erosion



P10 - Creek Erosion



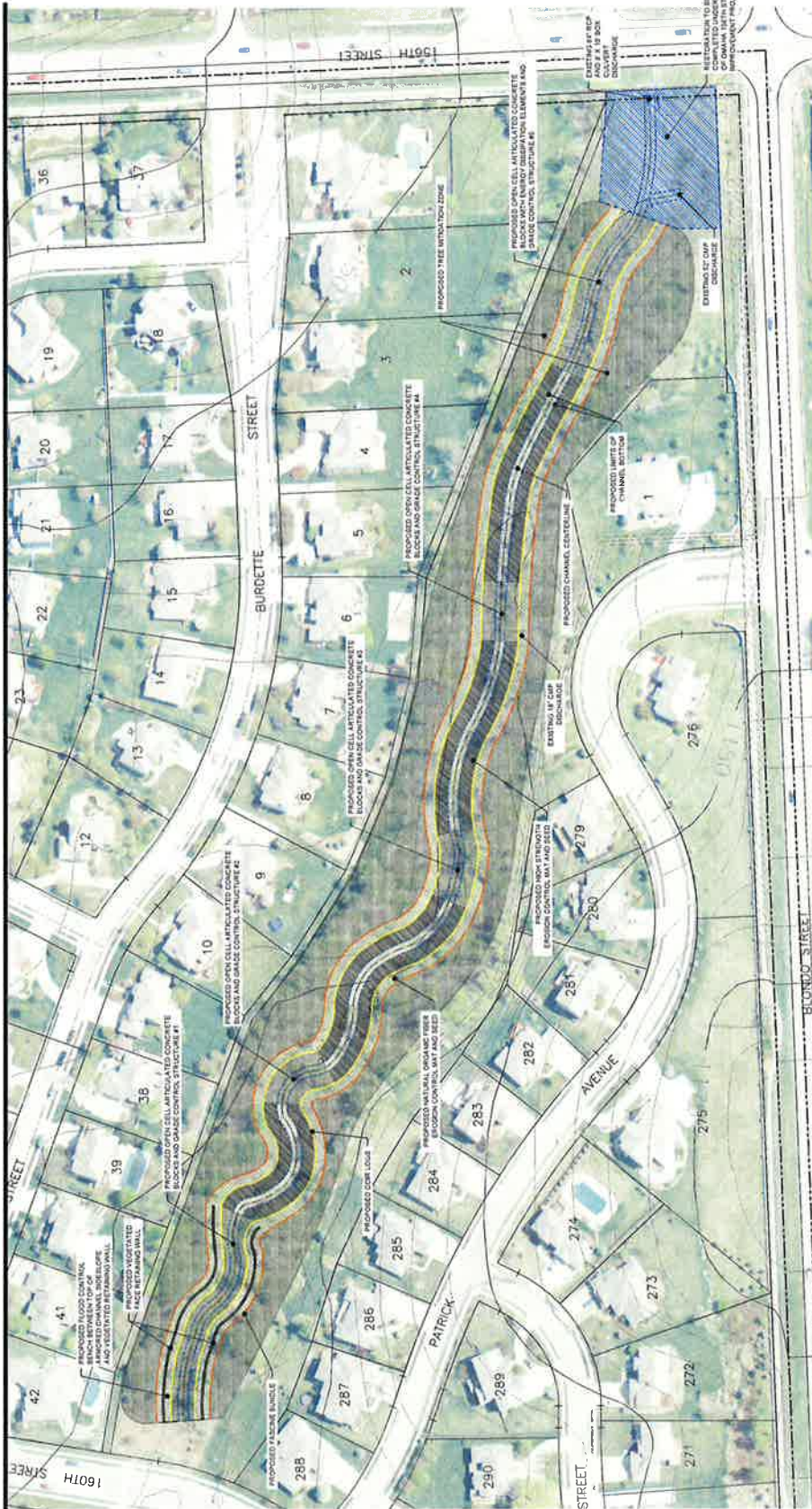
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Drawn By: DAK  
Job No: 160-129  
Date: 03-18-15

Sheet 1 of 8  
**Existing Conditions  
and Channel  
Alignment Exhibit**

**C1.0**





# LEGEND

- PROPOSED TREE MITIGATION ZONE
- PROPOSED OPEN CELL ARTICULATED CONCRETE BLOCK
- PROPOSED HIGH STRENGTH ENHANCED CONTROL MAT AND SEED
- PROPOSED CHANNEL BENCH TOP EROSION CONTROL MAT WITH SEED
- PROPOSED VEGETATION AREA UNDER CITY OF OMAHA 15TH STREET PROJECT
- PROPOSED COR LOSE
- PROPOSED FASCINE BOULDERS
- PROPOSED CHANNEL CENTERLINE
- PROPOSED CHANNEL BOTTOM LIMITS
- PROPOSED VEGETATED RETAINING WALL



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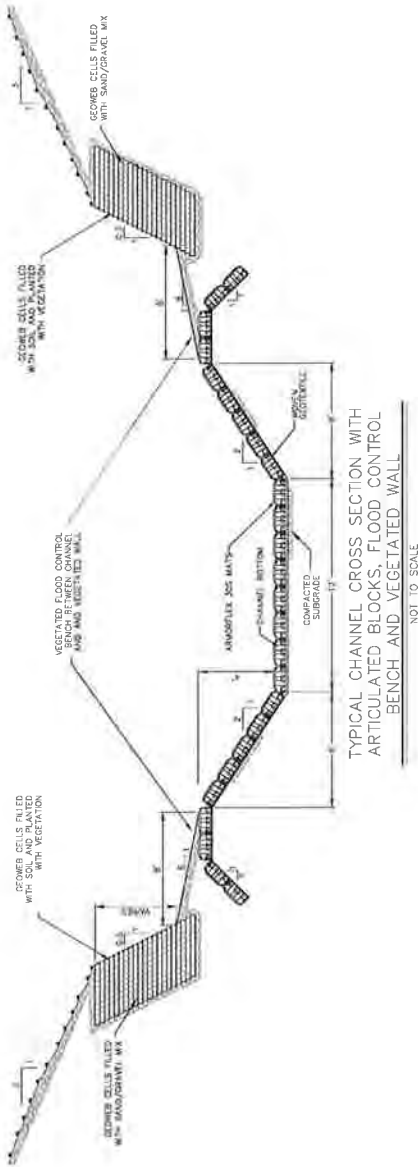
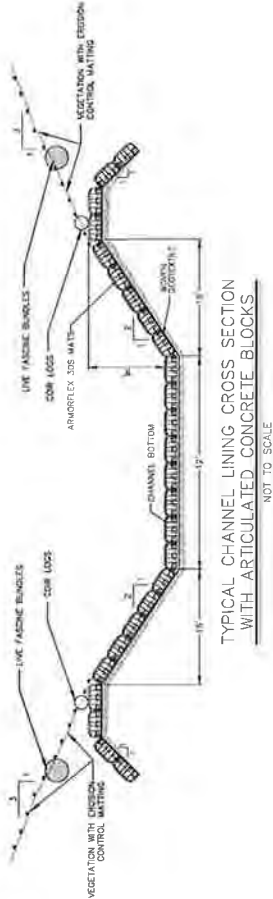
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## Proposed Site Plan

Sheet No. 1

C2.0

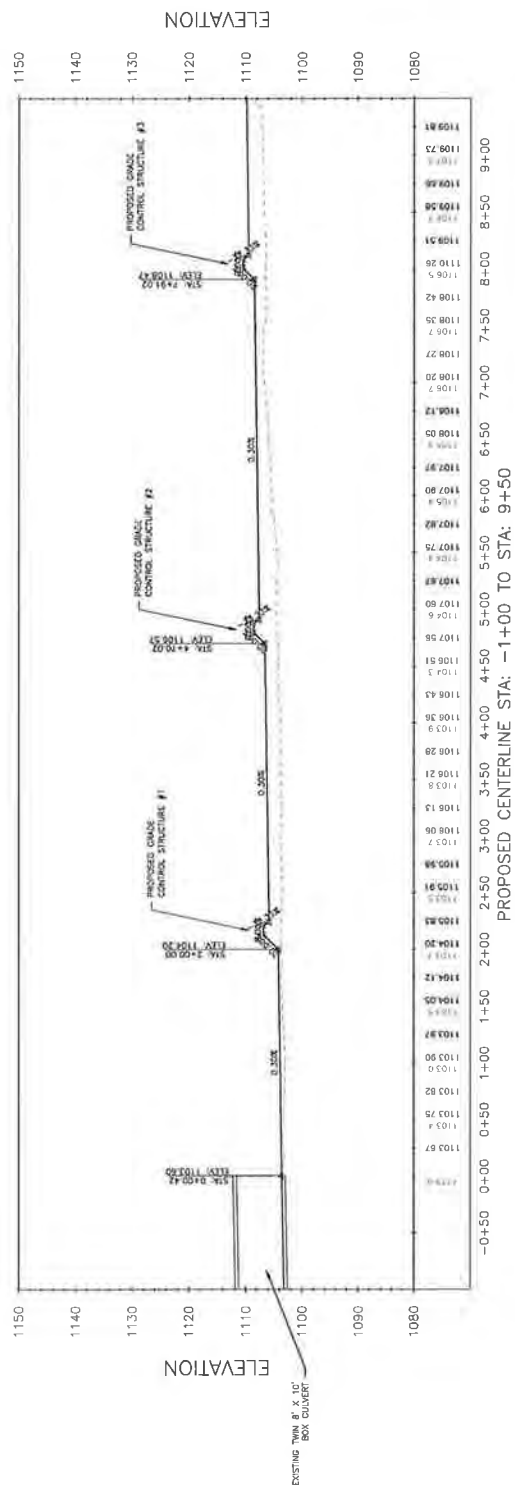
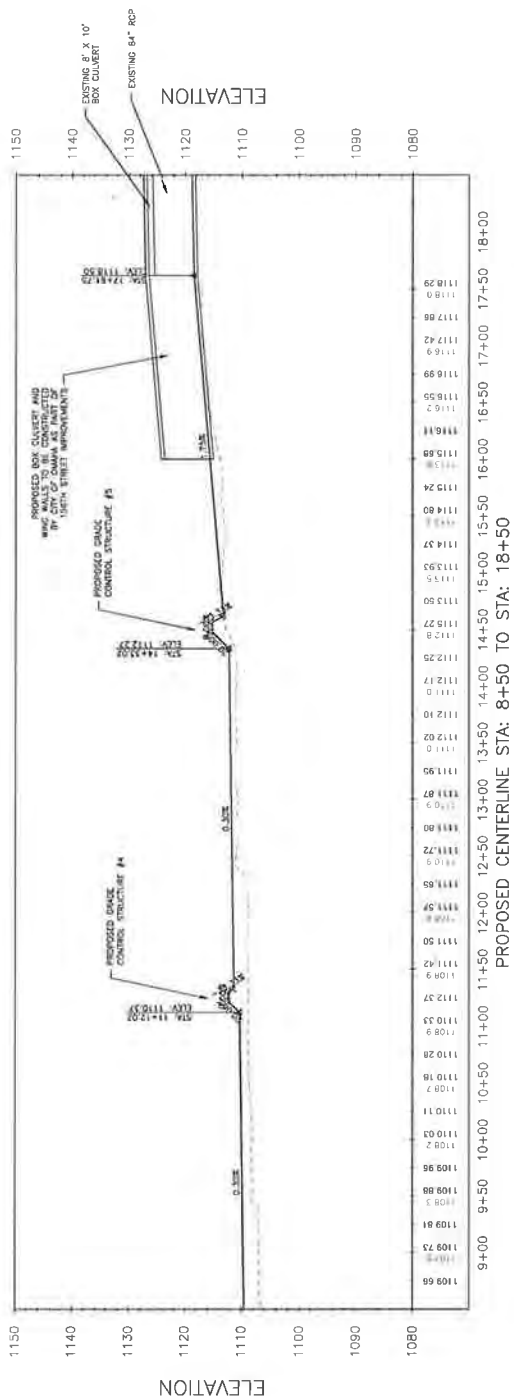




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Huntington Park  
Channel  
Rehabilitation

SID 374, Douglas  
County



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## Proposed Channel Profile

## C4.0

## Recreation Area Development Program – Application Form



Project name Halleck Park Large Pavillion Renovation  
Project location (attach location map) Just West of Halleck Park Lake  
Sponsor organization City of Papillion  
Sponsor address 122 E. Third Street  
City Papillion State NE ZIP 68046  
Contact person Anthony Gowan  
Title Parks and Facilities Director  
Email address tgowan@papillion.org Daytime phone 402-597-2049

Description of project (attach additional sheets as needed)

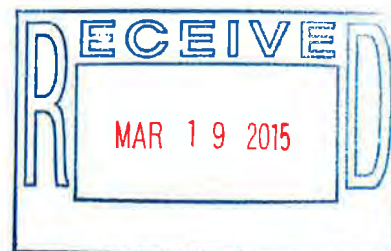
Please see attachment.  
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Total estimated cost \$ 164,500.00 Cost share request \$ 50,000.00

  
Signature

3/19/2015  
Date

Parks and Facilities Director  
Title





This submitted project, "Halleck Park Large Pavilion Renovation" involves improving amenities and structure of Papillion's busiest shelter area. Now over 40 years old, the Large Pavilion has hosted weddings, graduations, birthday celebrations and many city functions. The facility is showing its age and needs significant renovations to not only make it safe, but to also update the facility to keep it appealing to users.

The projects intended to be done are doors on the men's and women's restrooms, as well as a service door replacement. Other improvements include a new pitched roof with new shingles, all new concrete inside the pavilion area, as well as on the aprons leading into the space. The application of epoxy coverings to the restroom floors as well as tile on the walls will facilitate ease of cleaning and improve long term durability. We also propose to install brick masonry coverings on all exposed metal posts that run along the perimeter of the building, as well as through the center. Additional items such as 20 new fiberglass picnic tables and decorative trash receptacles will make the site appealing for future users. All new LED light fixtures, as well as Fiberglass Reinforced Panels on all ceilings will give the facility a clean, fresh look and will be easy to maintain. The introduction of new mirrored ceiling light tubes will introduce a natural light into both restrooms. Landscaping and a fresh coat of paint to the walls will also be included with the project.

Finally, a new electric furnace will be installed that will replace an old unit that does not function efficiently. This will allow for the use of the restrooms into winter so that ice fishermen, winter time walkers and runners will all benefit from being able to utilize this site in very cold temperatures. We fully expect that these improvements carry this shelter well into another 20 to 30 years of use.

#### **IMPLEMENTATION SCHEDULE:**

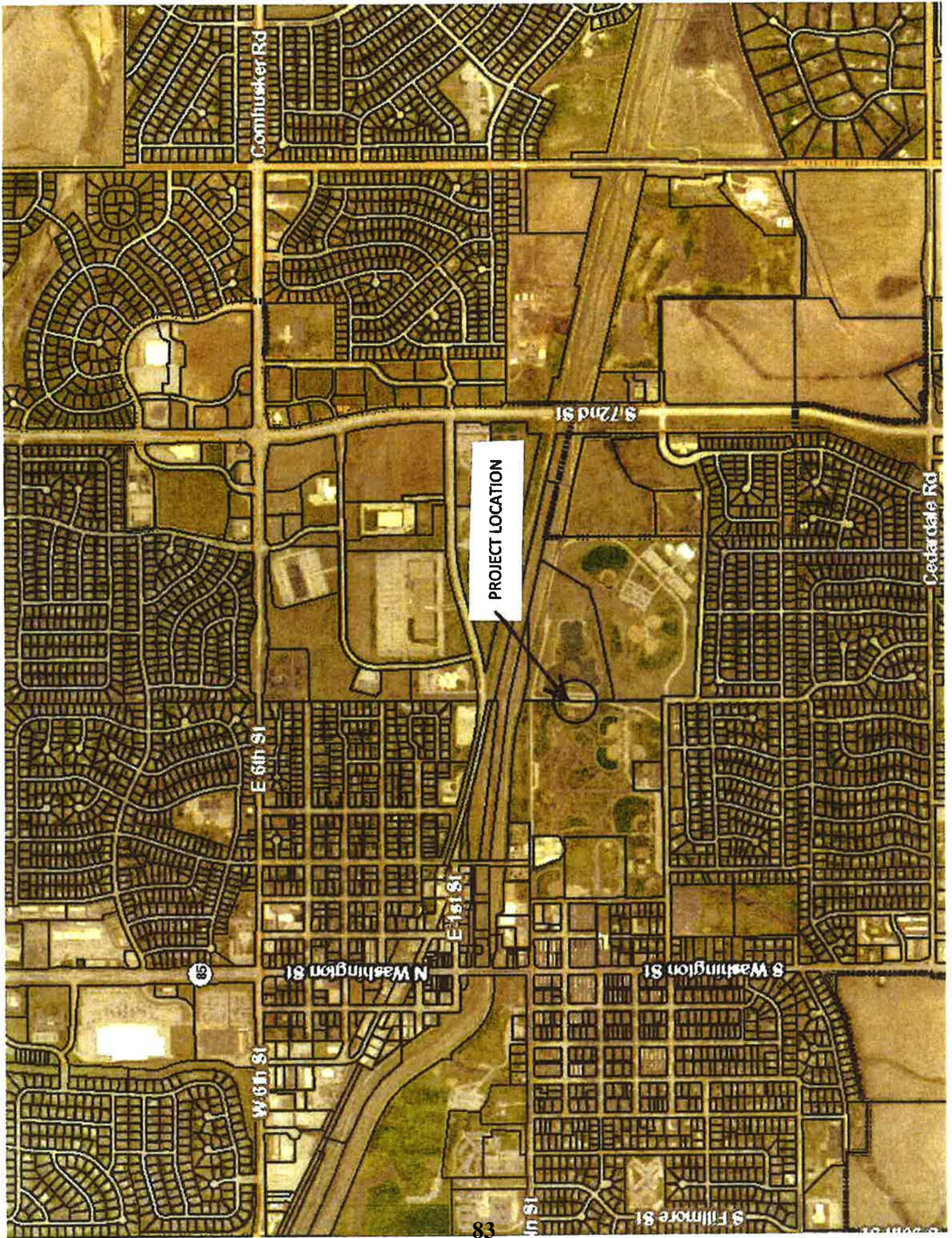
**Grant funding: Summer 2015**

**Installation of project into City of Papillion Budget : October 1, 2015**

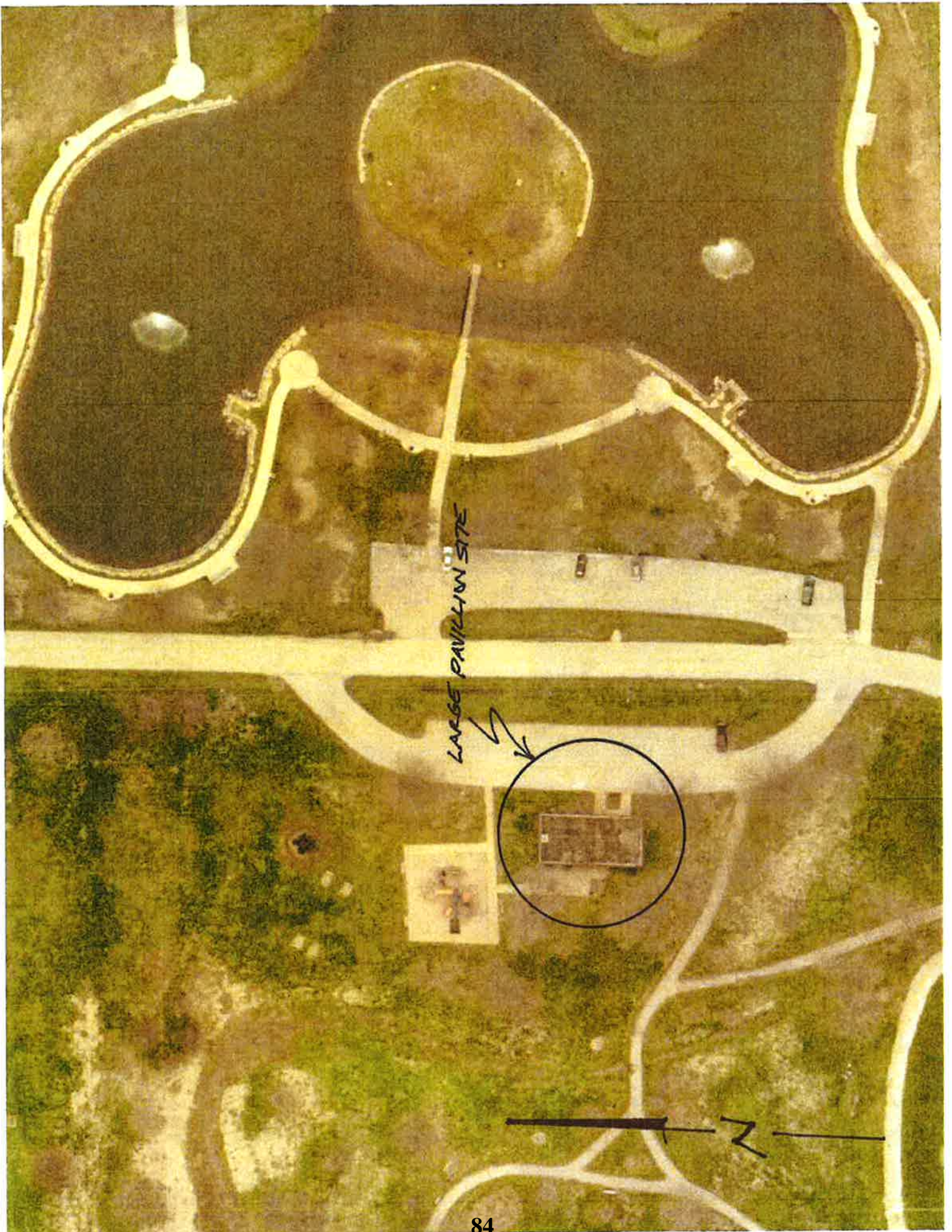
**Preliminary improvements: Begin Fall 2015**

**Project Completion: February 2016**













## THE PAPILLION PARKS PLAN

The Park and Open Space System for the City of Papillion



*Prepared with the Citizens of Papillion  
by RDG Planning & Design  
2011*





## Goals of The Park and Recreation System

- ning among recreational interests and service providers.
- In developing areas work with the school district to develop joint facilities that provide quality, efficient services to surrounding neighborhoods.
- **Establish the identity of Papillion's park and recreation system as a signature feature for the community.**

The overall appearance of the city's park system speaks to the quality of the parks and the overall experience that both residents and visitors to the community enjoy. Enhancing the appearance of the parks through landscaping and site furnishing should be laid out for existing and future parks. These parks should then be linked together through a uniform signage system that welcomes visitors to Papillion and guides them to key destinations. Park improvements should also reinforce the image of Papillion's signature, regional open spaces, including City Park, Halleck Park, and Walnut Creek Lake and Recreation Area.

### *Objectives*

- Enhance the image of the city's parks through landscaping and site furnishings
- Create a uniform signage system that welcomes visitors to Papillion and guides them to key destinations
- Reinforce the image of Papillion's signature regional open spaces, including City Park, Halleck Park, Walnut Creek Lake and Recreation Area and Sumtur Amphitheater.
- Improve access and signage to Walnut Creek Lake and Recreation amenities, including Sumtur Amphitheater.
- **Establish sustainability standards for the park and recreation system that will reduce maintenance costs and conserve natural resources.**

More and more communities are realizing they can no longer ignore the long term environmental and financial impact of historic practices and approaches. Sustainable practices should be incorporated into the design of facilities in order to create a healthier and more economically viable community.

### *Objectives*

- Use native species of trees and plants in landscaping.
- Minimize the affects of stormwater runoff from parking lots and other impermeable surfaces.
- Develop park structures and amenities to be sustainable in design and operation, which maximize revenues and reduce maintenance costs.
- Implement LEED ND standards that protect drainage systems and other environmentally sensitive land for use as parkland and greenways.
- Develop transportation linkages between parks, neighborhoods and other community destinations.



## The Park System: Existing and Future Needs



### COMMUNITY PARKS

#### Halleck Park

**Location:** Halleck Street and South Beadle Street

**Inventory:** 72 acres  
Two Lighted Tennis Courts  
Two Sand Volleyball Court  
Lighted Basketball Courts  
Handball court  
Lake for Fishing and Ice Skating  
Large and Small Shelters  
Horseshoe Courts  
Three playground equipment areas and one area with play features  
Arboretum  
Four Lighted Ball Fields  
Two Backstop areas  
Trails and benches

**Comments:** The central, passive area consisting of the pond, arboretum and picnicking facilities needs to be improved. The park entry and edges are not consistent with the high quality and importance of this park. Trees and landscaping additions should continue as part of an overall plan. Acquisition of lands to the east would allow for expanded facilities and improved visibility and access. This expansion should give prominence to the park along 72nd Street and preserve the open creek system. Improvements along Halleck and Lincoln Streets should direct and draw attention to the park from Washington. An overall park master plan should be completed.



Halleck Park



Halleck Park



Halleck Park





## ***The Park System: Existing and Future Needs***

### ***Halleck Park (con't)***

#### ***Recommendations:***

- Phase II of Pond renovations.
- Walkway system, 6 feet wide, 1 mile long.
- General improvements to passive area including picnicking and playground.
- Park entry and edges improvements including internal signage improvements.
- Tree, shrub and grass plantings.
- Improvements to the restrooms.
- Fricke Field Improvements.
- Improvements to main shelter.
- Expansion of the park to 72nd Street.
- Relocation of the maintenance facility.



*Halleck Park*

## Recreation Area Development Program – Application Form



Project name Scenic Park Campground Bath House/Storm Shelter

Project location (attach location map) Scenic Park Campground

Sponsor organization City of South Sioux City

Sponsor address 1615 1st Avenue

City South Sioux City State NE ZIP 68776

Contact person Gene Maffit

Title City Parks and Recreation Director

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

Description of project (attach additional sheets as needed)

See attached project description.

Total estimated cost \$ 175,000

Cost share request \$ 50,000

Tami Bailey  
Signature

03-17-2015  
Date

Grant Administrator  
Title

**Papio Missouri River Natural Resource District  
17.27 Recreation Area Development Program  
Scenic Park Bath House/Storm Shelter Project**

**Description of Problem:**

The City of South Sioux City's campground is located in Scenic Park and is a popular destination for over 100,000 visitors per year. From May until late fall, the campground often boasts little to no vacancy as it is a highly desirable campground for both local residents and those passing thru. Additionally, there has been an increased demand for year round availability in the campground. Presently, the campground hosts 135 camping pads, of which 39 are available for year round use. These camping pads are located south and east of the main campground and are quite a distance from the shower/bath house. Many of the campers indicate that Scenic Park is a wonderful camping destination, except that it lacks enough amenities for showering and restroom use, as well as, shelter and protection from tornados and major storms with high winds.

**Proposed Solution:**

As a result of feedback from campers, the City is proposing to address the lack of bathing and restroom facilities, as well as, the lack of protective shelter in the event of a natural disaster by constructing a 26 x 33 bath house in the area where the year round camping pads are located. The bath house is to be made from lite-from, a material that is rated to withstand an EF 4 tornado, to provide the additional protection from a natural disaster. The shower/bath house will offer a separate men's and women's bathing and restroom facilities and will comply with the American's with Disabilities Act. Additionally, HVAC and a heat pump will be included to allow for use of the facilities year round.



<b>PROJECT BUDGET</b>				
<b>MATERIALS &amp; LABOR</b>				
<b>ITEM</b>	<b>Unit</b>	<b>No. Req'd</b>	<b>Unit Cost</b>	<b>Cost</b>
Mobilization/Bonding/Insurance	LS	1	\$10,000	\$10,000
Subgrade Preparation	SY	3,700	\$2.00	\$7,400
Fill Dirt for increased elevation	Tons	60	\$103	\$6,180
26x33 Lite-Form Tilt panels	Per piece	4	\$20,000	\$80,000
Lite Deck roof	SF	858	\$15	\$12,870
26x33 Concrete Slab	SF	858	\$35	\$30,030
Plumbing (piping, water connection, showers, stools, etc	Entire project quote	1	\$13,000	\$13,000
Electric wiring	Entire Project Quote	1	\$5,500	\$5,500
HVAC/Heat Pump	Entire Project Quote	1	\$10,000	\$10,000
<b>MATERIALS SUBTOTAL</b>				\$174,980
<b>MATERIALS TOTAL</b>				\$174,980
<b>FUNDING REQUEST</b>		<b>PERCENTAGE</b>		
<b>GRANT</b>		29%		\$50,000
<b>SOUTH SIOUX CITY MATCH</b>		71%		\$124,980
<b>TOTAL</b>		100%		\$174,980



Proposed Improvements  
Scale: N/A

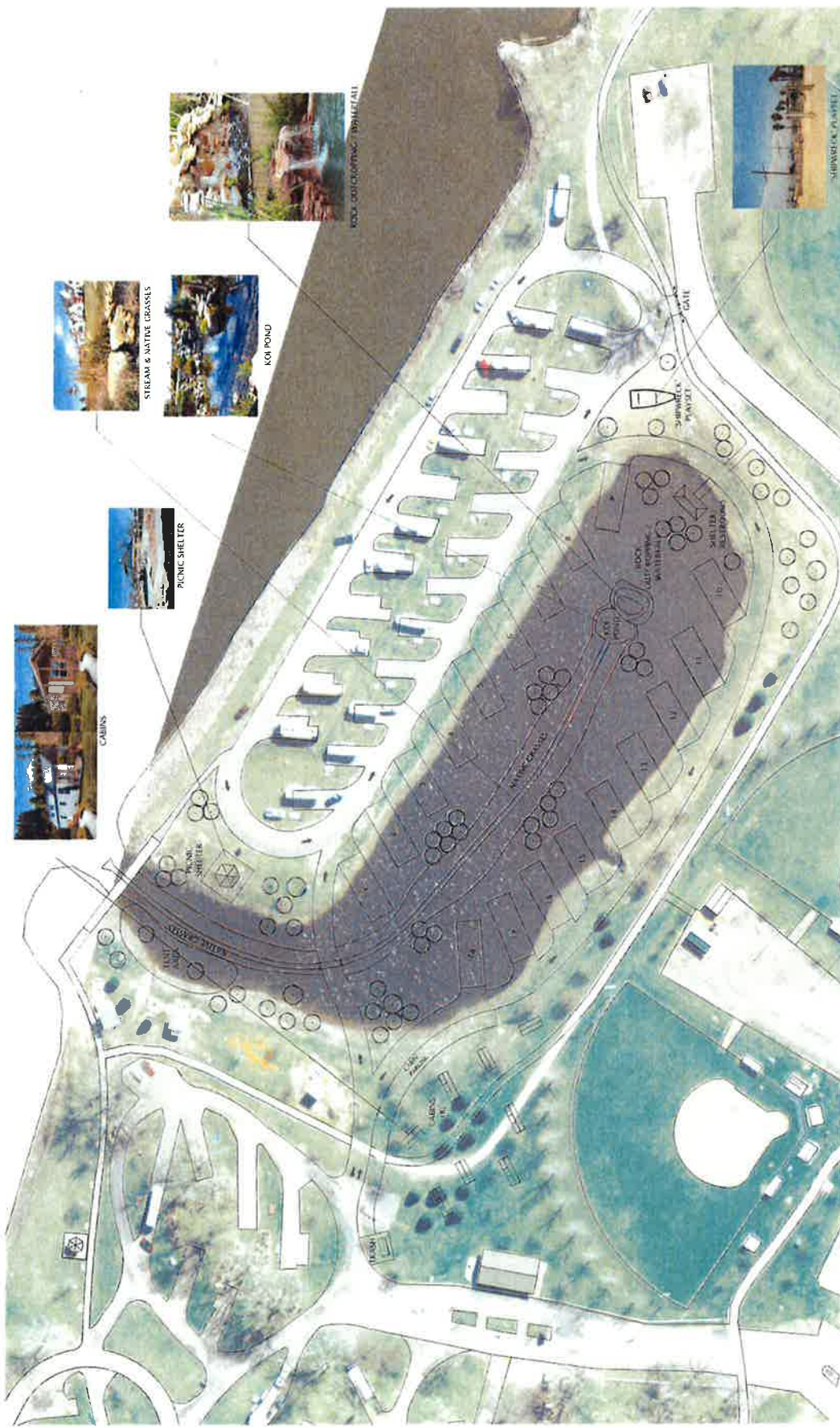
South Sioux City Scenic Park  
Conceptual Layout Opt 1

September 26, 2012

Project No. 120950.00

© JEO Consulting Group, Inc.





## South Sioux City Scenic Park Conceptual Layout Opt 1

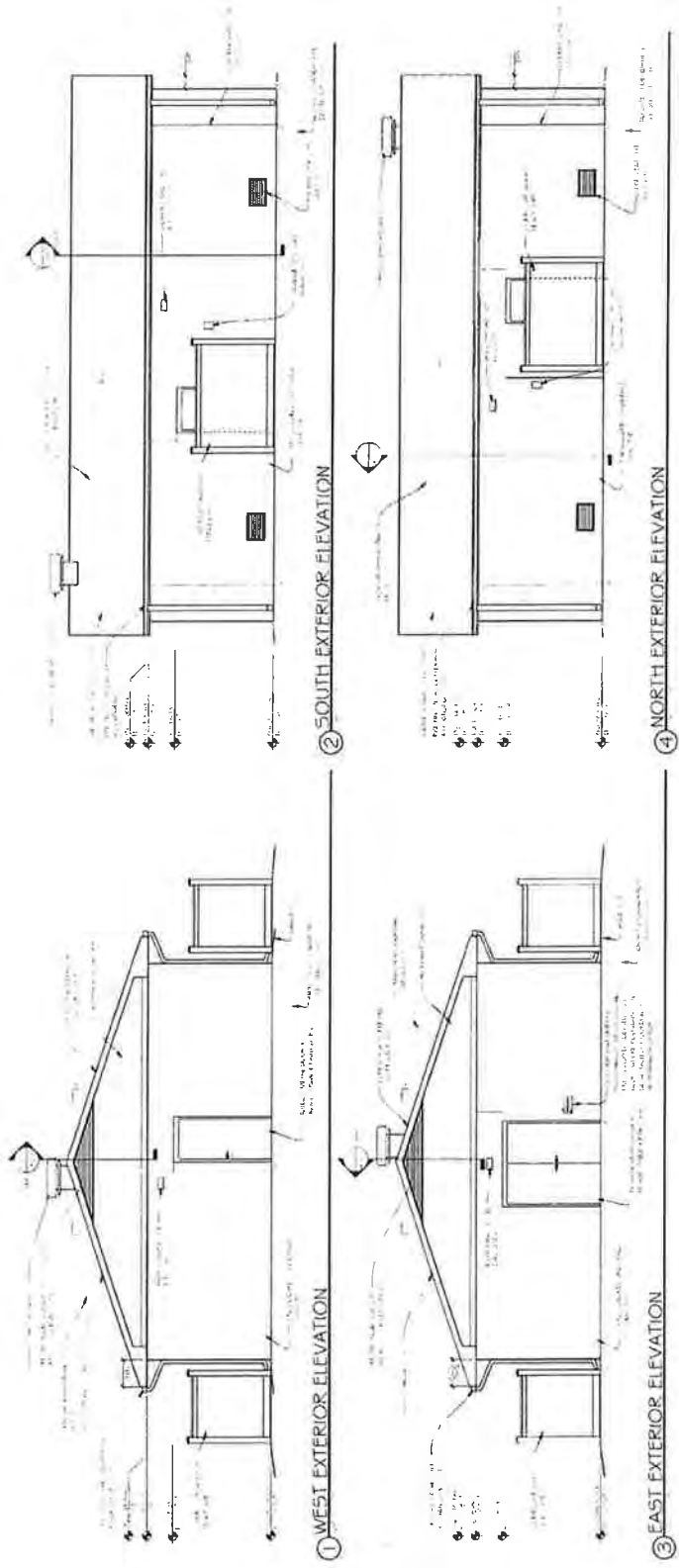




**Preliminary**  
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New Restroom and Shower Facility

Exterior Elevations  
Details

A201



## **Scenic Park Campground Bath House/Storm Shelter Timeline**

After announcement of being funded:

- Notify media of grant from Papio Missouri River Natural Resource District
- Design completed by June, 2015.
- Bidding completed by August, 2015.
- Construction from September to November, 2015.
- Final seeding, site restoration, completed by May, 2015.

Project closeout prior to June 1, 2015.

## **Parks and Recreation Facilities**

South Sioux City and the Sioux City urban areas are located along the Lewis and Clark Expedition Route. Portions of the tri-state areas (Iowa, Nebraska and South Dakota), as well as three waterways (the Big Sioux, Floyd and Missouri Rivers), converge there. Hunting for deer, duck, goose, pheasant and coyote are popular. Fishing for catfish, trout, bass and other fish is popular in the area's rivers and lakes. The tri-state area provides a wealth of recreational opportunities for the sports and outdoor enthusiasts throughout four distinct seasons of the year. Some of the activities are cross-country skiing, horseback riding, ice hockey, in-season horse racing and National Association of Stock Car Auto Racing (NASCAR) stock car racing.

Among the many points of interest in the urban areas are approximately 60 municipal parks and one state park. Park facilities include shelter, picnic tables and grills, rowboats; canoes and paddleboats; hiking and jogging trails; trails equipped for wheel chairs, playground equipment, baseball/softball diamonds and soccer fields.

Most recreational land is located within a short traveling distance of key residential areas. Various sites include: Sergeant Floyd Riverboat Museum/Welcome Center, Anderson Dance Pavilion, McCook Lake, Floyd Monument, Cimmarina, Crystal Cove and Scenic Park Campground.

Crystal Cove located near South Sioux City is an exceptional urban park that was created through innovative efforts between governments and a highway contractor. The Sioux City Urban Area Trail System allows access to open areas and recreational sites and is near the South Sioux City Trail System. It is a series of trails made up of different materials in different locations. Concrete or asphalt primarily provides a great surface for walking, bicycling, running, cross-



country skiing or roller-blading. The Iowa link is south of Chautauqua Park, running along the Missouri River. The South Dakota link is north of the McCook Lake area, moving toward Vermillion and Yankton. The Nebraska link moves west from Crystal Cove to the Niobrara State Park region.

The City of South Sioux City developed a community walkway/bikeway trail system and a Community Arboretum. The Arboretum link and the Cardinal Park Complex function as key transportation links between the other walkway/bikeway segments. This trail system allows baseball, soccer, tennis and football participants of the Cardinal Park Complex to travel safely to and from the sports complex.

A new trail addition was constructed to Dakota City, Nebraska in 2006. An additional segment in South Sioux City is the West 39th Timberline to Dakota section of the citywide trail system, which provides a vital connecting link from the southwest subdivisions. It provides a safe and defined conduit accessing the recreational and educational facilities lying east of Dakota Avenue.

The South Sioux City Indoor Pool and Scenic Park Aquaplex offers many water activities for all ages such as the American Red Cross Learn to Swim Program, life-guard training, water exercise, lap swim and pool rentals.

Sports facilities in the area include the new five-field baseball/softball complex and the Jeff C. Dible 15-field soccer complex, all located in Scenic Park in South Sioux City.

Facilities in Sioux City include the 8-field Riverside softball complex and Lewis & Clark Park (home to the Sioux City Explorers, a Class "A" minor league baseball team).

Scenic Park is the largest park in South Sioux City with over 133 acres of park space. One innovative path in the park is made up of recycled products and is known as the Eco-path. The park offers aquatic facilities, camping, tennis courts, boat ramp and a playground. The park also provides access to the South Sioux City trails. The Siouxland Soccer Complex with fifteen playing fields is a part of Scenic Park.

Map 2-7 illustrates the South Sioux City trail system.

**Map 2-7    South Sioux City - Trails System Map**

## Trails Assistance Program – Application Form

Project name Papillion Walnut Creek Connector Trail

Project location (attach location map) Just west of 96th Street and Schram Road

Sponsor organization City of Papillion

Sponsor address 122 East 3rd Street

City Papillion State Ne ZIP 68046

Contact person Marty Leming

Title Director of Public Works

Email address mleming@papillion.org Daytime phone 402-597-2044

Description of project (attach additional sheets as needed)

(see attachment)

Total estimated cost \$ 783,367.00

Cost share request \$ 78,336.00

Signature

3/16/15

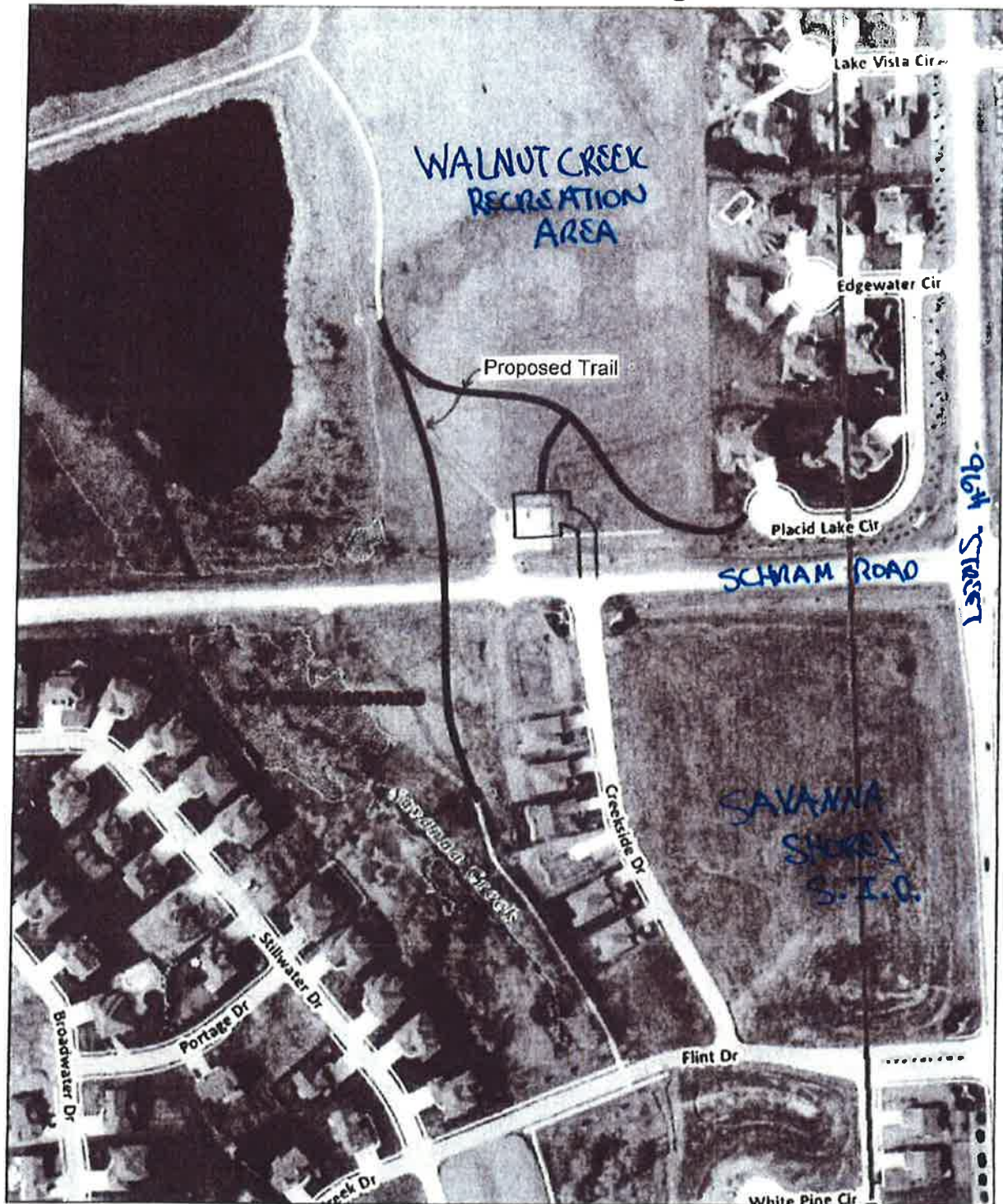
Date

City Administrator

Title



# Project Location Diagram



Disclaimer: This data is for informational purposes only, and should not be substituted for a true title 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

## **Project Description:**

The Papillion Walnut Creek Connector Trail Project involves the construction of a pedestrian and bike trail and a parking facility in the Walnut Creek Recreation Area west of 96<sup>th</sup> Street and Schram Road intersection in Papillion, Nebraska. The trail would be constructed as a 10-foot wide concrete trail approximately 1,633 feet long. The trail would connect 1) the existing Savanna Shores Trail south of Schram Road, 2) the existing Walnut Creek Recreation north of Schram Road, 3) the existing sidewalk on Placid Lake Circle in the Edgewater Estates residential neighborhood to the east, 4) a new concrete parking facility on the north side of Schram Road, with realignment of the entrance and exit with Creekside Drive to the south. The trail would cross under Schram Road through a concrete box culvert structure.

Schram Road intersects 96<sup>th</sup> Street to the east and Sunburst Drive to the west of the project site. At these intersections, Schram Road was constructed with three lanes consisting of two through lanes and a designated center turn lane. Within 250 feet from these intersections, Schram Road tapers to a 2-lane roadway. The segment of Schram Road located along the project site is a 2-lane, 24-foot wide, rural, asphalt roadway.

In the vicinity of the Walnut Creek Connector Trail project, an existing residential roadway, Creek Side Drive, forms a T-intersection on the south side of Schram Road. Creek Side Drive is a 2-lane, concrete roadway with a center landscaped area that tapers to a 2-lane, undivided roadway to the south of the intersection.

The access drive to the existing gravel parking lot in the Walnut Creek Recreation Area forms a T-intersection on the north side of Schram Road. The gravel drive is offset approximately 120 feet west of Creek Side Drive. A new concrete parking lot and access drive would be reconfigured and would serve as a trailhead. The access drive would be constructed to the east to match the existing Creek Side Drive alignment and allow for a traditional 4-way approach intersection. The parking lot would have two handicap and 14 regular parking stalls. The length of the access road and parking lot is approximately 212 feet long.

The concrete box-culvert would be constructed under Schram Road as a 10-foot high by 12-foot wide by 82-foot long structure. The length of the box culvert for the existing Schram Road geometry extends beyond the clear recovery zone and would be constructed without guardrails. Additionally, the box-culvert length should accommodate a future expansion of Schram Road to 3-lanes, if needed. Retaining walls would be constructed on the east side of the box culvert and extend approximately 200 feet north and 135 feet south. The height of the north and south retaining walls relative to the trail would be up to approximately 8 feet and 4 feet, respectively.

The trail design and the box culvert design would meet all existing NDOR requirements and design standards. The box culvert design would satisfy the Load Factor and Resistance Design (LFRD) load rating standards. The bicycle trail would accommodate a 25 mile per hour design speed as specified in current design standards. The parking lot would have a handicap stall and a handicap

ramp to provide access to the trail that meets current Americans with Disabilities Act (ADA) standards. Retaining walls would be constructed to meet current ADA standards.

The current design of the project has construction to occur within the public right-of-way for Schram Road and within the Walnut Creek Recreational Area, owned by the City of Papillion. The land south of Schram Road to Savanna Shores Trail is also owned by the City of Papillion. Therefore, additional right-of-way is not needed for this project.

Existing utilities in the area may be affected as part of this project. A segment of the water line on the north side of Schram Road would be rerouted in the vicinity of the trail and undercrossing. Similarly, the sanitary sewer on the south side of Schram Road would be rerouted to accommodate this project. An existing fiber-optic line and telephone cable would be investigated to see what impacts the design of this project may have on these utilities. The existing stormwater sewers on the north and south side of Schram Road would be extended to the west and outlet downgradient of the trail. Because the trail and box culvert are designed at an elevation below the existing ground surface, stormwater ditches on the north and south side of Schram Road would be constructed to provide adequate drainage.

The proposed project also includes clearing and grubbing, concrete pavement repair, crack sealing and joint sealing, culvert extension for an ephemeral ditch, curb and gutter, earth shoulder construction, erosional controls (consisting of checks, inlet/outlet protection, post construction control, rolled control, and vegetation), fencing, lighting with and without soil disturbance, major grading beyond the hinge point, minor grading from edge of pavement to hinge point, pavement marking, pavement removal, paving, and signs with soil disturbance.

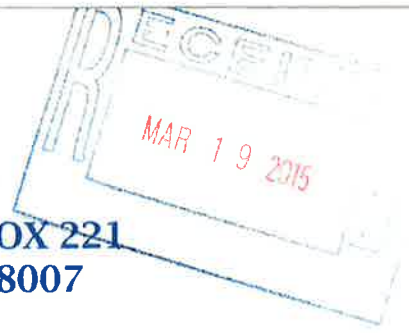
The project is anticipated to involve a closure of Schram Road for the construction of the box culvert. The detour route would shift traffic north to Highway 370 at 96<sup>th</sup> Street and 108<sup>th</sup> Street. Access to the residential houses in the area would be provided throughout construction via Schram Road and during the closure of the roadway.

The Environmental Study Area is defined by the length of the project plus up to one quarter mile on either end including the existing ROW and extending to 150 feet beyond the ROW at culvert locations for wetlands and most other resources. For Hazardous Material, the study area extended to 0.1 miles and for Section 4(f) resources 0.25 miles beyond the ROW.





**CITY OF BENNINGTON**  
**15514 WAREHOUSE ST., P.O. BOX 221**  
**BENNINGTON, NEBRASKA 68007**  
**(402) 238-2375**  
**FAX (402) 238-2470**  
**www.bennington-ne.com**



March 17, 2015

Eric Williams  
Natural Resources Planner  
Papio-Missouri River Natural Resources District  
8901 S. 154<sup>th</sup> Street  
Omaha, NE 68138-3621

Dear Mr. Williams,

City of Bennington representatives appreciate the NRD's consideration of the Bennington Bridge & Trail Project in the NRD's Trails Assistance Program. Since 2008, both the City of Bennington and the NRD have had this project "on the books". It is hoped that this project stayed on the books as long as it has because of its worthiness and value. The City of Bennington selected HDR Engineering Inc. for Construction Engineering and Chas. Vrana & Son Construction as the project Contractor. This project is planned for clearing and grubbing March 16, 2015 and for construction to begin on May 6 by the Nebraska Department of Roads. Funds have been allocated for the project through the Metropolitan Area Planning Agency for 2015. It is anticipated that the project will be completed in 2015.

Through the years the cost estimates have continued to rise. The most current costs follow:

<u>HDR Construction Engineering Costs</u>	\$ 100,257
<u>VRANA Construction Costs</u>	\$1,036,843

20% City costs = \$227,419.95  
10% possible NRD Funding = \$113,710

Partnering with the NRD in this endeavor enhances the City's ability to pursue these types of projects. Our community, local schools and many organizations strongly support this addition to our trail system. Continued support from the NRD as well as your recommendation is valuable.

Respectfully,

Gordon Mueller, Mayor  
City of Bennington

## Trails Assistance Program – Application Form

PROJECT NAME: Bennington Papio Creek Pedestrian Bridge & Trail

PROJECT LOCATION: Johns-Bohn Park and Doug Nelson Youth Complex  
11770 N. 158 Plaza / 158<sup>th</sup> & Bennington Road  
(location map attached)

PROJECT SPONSOR: City of Bennington  
15514 Warehouse Street  
PO Box 221  
Bennington, NE 68007

CONTACT PERSON: Mindi Laaker  
City Clerk

TELEPHONE: 1-402-238-2375

E-MAIL: city@bennington.omhcoxmail.com

### 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.

TOTAL ESIMATED COST: \$1,137,100

COST SHARE REQUESTED: \$113,710

SIGNATURE/TITLE/DATE:

*Mindi Laaker*  
*City Clerk*  
*3-17-15*

State of Nebraska  
Department of Roads

## Transportation Enhancement Improvement Request (FINAL)

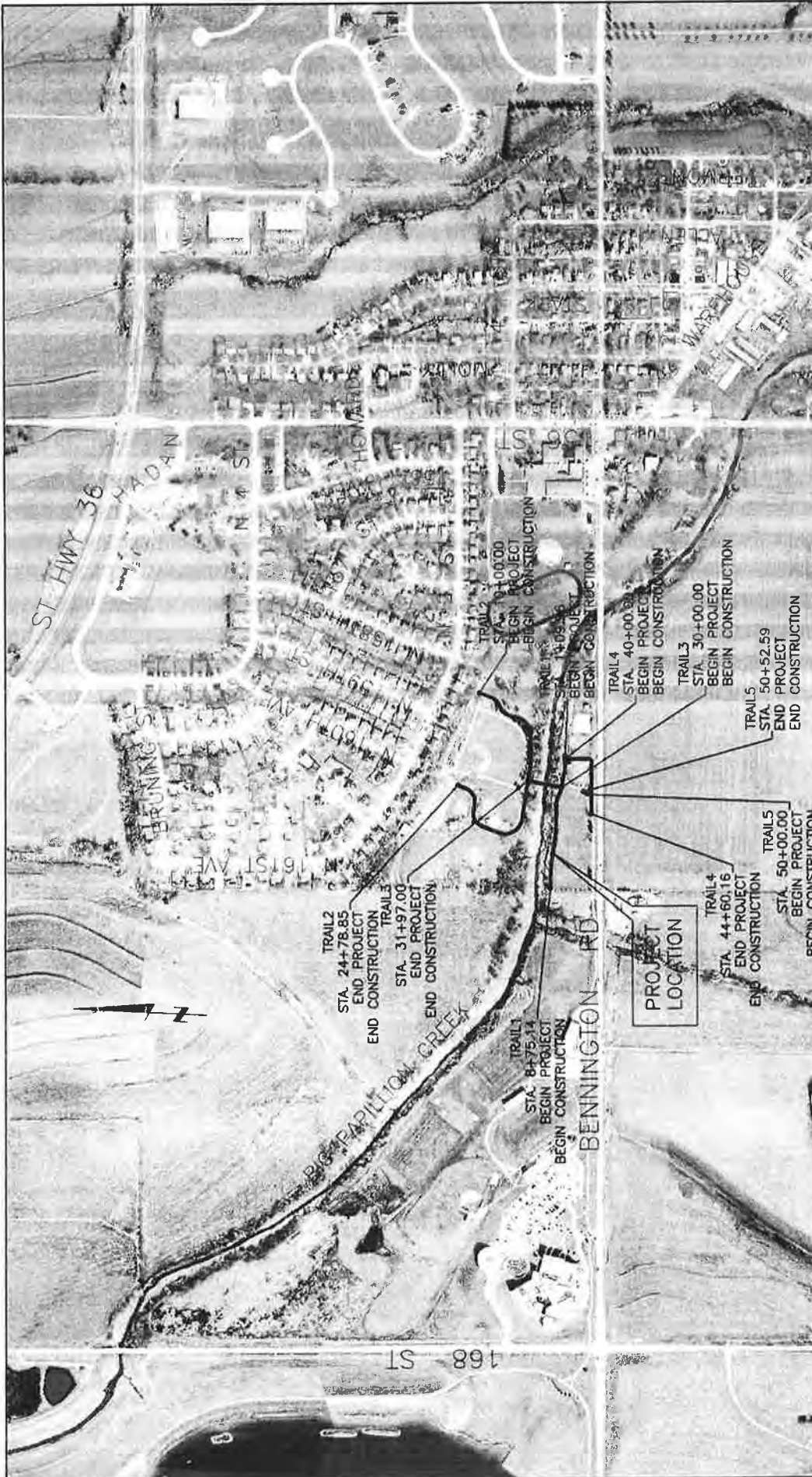
<b>1.</b>	AGENCY NAME: City of Bennington	TYPE OF GOVERNMENT AGENCY (Check One): <input type="checkbox"/> Village <input checked="" type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> NRD <input type="checkbox"/> State <input type="checkbox"/> Other	
<b>2.</b>	CONTACT PERSON: Mindi Laaker	FAX NUMBER: 402-238-2470	
	MAILING ADDRESS: (Street) PO Box 221, 15514 Warehouse Street	CITY: Bennington	STATE: NE
	DAYTIME PHONE: 402-238-2375	E-MAIL: city@bennington.omhcoxmail	
<b>3.</b>	CONTACT PERSON: (Print Name & Title) Mindi Laaker	SIGNATURE	DATE: 9-20-2007
<b>4.</b>	GOVERNMENT AGENCY: (Print Name & Title) C.C. Skip Wolf	SIGNATURE	DATE: 9-20-2007
<b>5.</b>	PROJECT NAME: (Example: Beatrice Big Blue Trail; Neligh Mill Bridge Renovation) Papio Creek Pedestrian Bridge and Trail		
<b>6.</b>	<p>PROJECT DESCRIPTION/LOCATION: (Include location, work to be performed, and attach map)</p> <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.</p> <p>See attached...</p> <p>DESCRIBE HOW YOUR PROJECT RELATES TO TRANSPORTATION (AS DESCRIBED IN APPLICATION GUIDELINES):</p> <p>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>		



<b>7.</b>	TOTAL ESTIMATED PROJECT COST: 414,281	FEDERAL FUNDS REQUESTED: 331,425
<b>8.</b>	MATCHING FUNDS PROVIDED BY: City of Bennington	PERCENTAGE OF MATCH: <i>(Minimum 20% of total)</i> 20%
<b>9.</b>	PROJECT TYPE: <i>(Select One Category)</i> <input checked="" type="checkbox"/> Trails <input type="checkbox"/> Historic Preservation <input type="checkbox"/> Scenic or Historic Byways	
<b>10.</b>	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	
<b>11.</b>	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.	
<b>12.</b>	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.	
<b>13.</b>	THIS PROJECT IS SUPPORTED BY: Bennington Public School, Bennington Athletic League (baseball/softball), Bennington Soccer Club, Papio-Missouri River Natural Resources District, Bennigton 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**



# BENNINGTON PAPIO CREEK BRIDGE AND TRAIL

LOCATION MAP

14710 West Dodge Road, Suite 100 402.496.2498 P  
Omaha, Nebraska 68154-2027 402.496.2730 F

LAMP RYNARSON  
& ASSOCIATES

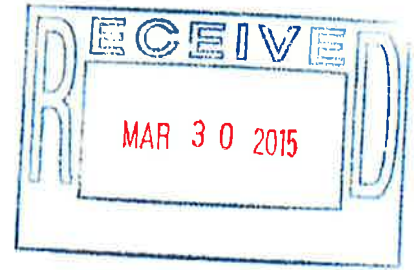
drawn by ARJ	designed by SWA	reviewed by SWA	project - task number 0109005-103	date 05-29-2014	book and page	revisions
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path:\name L:\Engineering\0109005\DRAWINGS\MSU\0109005-103\LOCATION MAP.dwg

# Village of Walthill

WALTHILL, NEBRASKA 68067

Phone 402-846-5921



March 27, 2015

Eric Williams  
Natural Resources Planner  
Papio-Missouri River Natural Resources District  
8901 S. 154<sup>th</sup> Street  
Omaha, NE 68138-3621

Dear Eric:

Enclosed is the Village of Walthill's Trails Assistant Program Application. Thank you for the opportunity to submit this application. The Village has been working for three years to develop a recreation plan that includes a walking trail. This application is the first step towards making a trail system a reality in Walthill. The Comprehensive Plan 2014-2024 allows for trails as a part of our planning, and as such, the Village does not have a Master Trail Plan at this time. However, the Village just completed a Master Wellness and Recreation Plan that features a four-phase walking trail system as its main project. I have included that plan with this application.

The Village of Walthill is a poverty community with a large minority population and limited resources. As evidenced in our surveys from 2011-2014 the community itself has been asking for a walking trail. We are extremely excited about the possibilities that submitting this application create and look forward to working with your organization in the future.

Sincerely,

Rita Dunn, Planner/Developer





## Trails Assistance Program – Application Form

Project name Walthill Wellness Trail

Project location (attach location map) Walthill Recreation Area

Sponsor organization Village of Walthill

Sponsor address 224 Main Street

City Walthill State NE ZIP 68067

Contact person Rita Dunn


Title Planner/Developer

Email address ritadunn@hotmail.com Daytime phone 402-846-5921

### Description of project (attach additional sheets as needed)

A wellness walking trail with resting and exercise areas intermittently spaced  
along the trail. This is a four phase project. This request is for Phase 1  
of the trail along the east side of the recreation area. See attached sheets.

Total estimated cost \$ 213,617.10 Cost share request \$ 106,629.20

  
Signature

3-25-2015  
Date

Chair, Board of Trustees  
Village of Walthill  
Title

WALTHILL WELLNESS TRAIL  
VILLAGE OF WALTHILL  
WALTHILL, NEBRASKA

The Village of Walthill is currently without any recreation trails. This request is for a new trail. It will be located in the current recreational area that is leased for 99 years (2075) from the Thurston County Ag Society by the Village (Copy of lease enclosed). Legislature recently changed to allow the Ag Society to sell the recreation area (Copy of Ag Society letter stating their willingness to sell enclosed). The Village is applying to purchase that area to keep the recreation area in Walthill and to build recreation opportunities. The wellness trail is the first step.

The wellness trail has three purposes:

- 1) To provide a safe walking and biking area for community members. The recreation area in Walthill is south of the city park. There are no sidewalks on either side of the park leading to the recreation area, nor are there sidewalks or trails through and around the recreation area for community members to access. They are forced to walk in the grass, but more often you will find them walking on the street.
- 2) To improve wellness of the community by providing and promoting the opportunity to walk, run, and bicycle on the trail. Currently the only place to do this activity is the old track in the recreation area that the school no longer uses because of its current state of disrepair.
- 3) Implementation of Phase I of the Master Wellness and Recreation Plan for the community. The need for parks and recreation improvements first became a priority in 2011 when the Village Board Economic Development Subcommittee noted the condition of recreational facilities. The Community Attitude Survey in 2012 and the 2012-2014 Strategic Plans also recognized parks and recreation as a major concern, with the Village Board listing Parks and Recreation as a top priority. A planning grant through the Community Development Block Grant program was awarded in 2013 to develop a master wellness and recreation plan and produce a schematic of the recreation area. This plan, including the new walking trail, is attached to this application. The trail has four phases. This grant application is for the first phase which would provide a walking/biking cement trail around the east perimeter of the ball park area plus a small area of the east side of the city park.

The Village has been planning for this trail for several years. They completed an update to their Comprehensive Plan in 2014 (trail plan pages included). The Master Wellness and Recreation Plan was completed in March, 2015. The Wellness Trail is one of the main features of this plan. The Village Board also passed Complete Streets policies in February 2014.

The proposed site already has grass and trees established that will provide shade and green space to the trail. It will offer a healthy activity for families and friends to do. The youth of the community have been asking for a place to ride bikes for a long time. The trail is wide enough (8 feet) to accommodate this. The senior members have been asking for a safe even surface to walk on. The trail will be across the street from the senior living complex. Other adults in the community have been asking for a different place to walk that is safe other than the track area that is in disrepair. It will also address those needs.

The Village currently leases the total recreation area of the town from the Thurston County Ag Society and has been sharing the care of this recreation area with the Walthill Public School since 1976. The Village does the maintenance on the outside of the chain links fence areas and the School does the

maintenance inside the chain link fences. The Village is the current lessee and as such notifies the Thurston County Ag Society (lessor) of any proposed changes to the area. In 2012 and 2013 the Village worked with the local Natural Resources District to submit proposals to the Papio Missouri River Natural Resources District to correct the drainage of the ditch on the east side of the ball field complex and the west side of the track area. Both of those projects were awarded and successfully completed. The east ditch borders the edge of the walking trail in places.

The trailhead and exercise/resting areas will have signage with information regarding exercises, the plants used in the landscaping around the rest area, and the history of the town. The Village maintenance department will be responsible for the maintenance of the trail for the next 50+ years. The cost of this maintenance will be included in the Village's annual budget. (See attached maintenance plan.) Abiding with state regulations, this trail will be handicap accessible from all access points. A review by the project engineer indicated that there is a small possibility that a wetland (drainage ditch that skirts the east side of the trail by the corner of the basketball court) may require a wetland delineation. An informal review by the Army Corp of Engineers supports this opinion. Upon authorization to proceed with this project, a formal request for a wetlands determination will be made.

During construction, the Village of Walthill will utilize their maintenance staff and police department to perform traffic control, monitor wet cement, locate utilities and serve as the local point of information and connection for non-Village utilities and the community, and perform part of the construction preparation work. The Village Planner is a certified grant administrator and will do project oversight, grant administration, and continue to look for funding for the Wellness Trail Phases II, III, and IV.



**Walthill Wellness Trail Budget  
Village of Walthill, Nebraska**

Item	Unit	Number Required	Unit Cost	Cost	Village	Shakopee	PMNRD
<b>Professional Services:</b>							
Wetland Delineation							
<b>Professional Services Subtotal</b>							
Lump sum		1 \$	1,500.00 \$	1,500.00	1500		
				<b>1,500.00</b>			
<b>Construction Costs</b>							
Clearing and Grubbing							
Earth work (cut and fill)		309.5 \$	31.05 \$	9,609.98			9,609.98
Trail surfacing: concrete 8' wide x 4" deep		928.5 \$	48.76 \$	45,273.66			45,273.66
Subgrade Preparation		825.5 \$	8.66 \$	7,148.83			7,148.83
Seeding		0.08525 \$	39,689.38 \$	3,383.52			3,383.52
Contingency		1 \$	3,270.80 \$	3,270.80			3,270.80
Wellness Stations (benches, signage, landscaping)		2 \$	5,000.00 \$	10,000.00	1000	4500 \$	4,500.00
<b>Construction Costs Subtotal</b>				<b>78,686.78</b>			
<b>Engineering Costs:</b>							
Design Engineering		1 \$	9,442.41 \$	9,442.41			9,442.41
Construction Engineering		1 \$	3,540.91 \$	3,540.91	3,540.91		
<b>Engineering Subtotal:</b>				<b>12,983.32</b>			
<b>Land Acquisition:</b>							
Purchase of approximately 12.5 acres		12.5 \$	8,000.00 \$	100,000.00	16000	60000 \$	24,000.00
Appraisal		0.5 \$	350.00 \$	350.00	350		
Appraisal review		1 \$	100.00 \$	100.00	100		
Surveying		1 \$	2,500.00 \$	2,500.00	2500		
<b>Land Acquisition Subtotal:</b>				<b>102,950.00</b>			
<b>Other Costs:</b>							
Grant Administration/traffic control and security		1 \$	17,497.00 \$	17,497.00	17,497.00		
<b>Professional Services Subtotal</b>				<b>17,497.00</b>			
<b>TOTAL PROJECT COSTS</b>				<b>\$ 213,617.10</b>	<b>42487.91</b>	<b>64500</b>	<b>106629.20</b>
					Match total	106987.91	

**In-kind Labor**

<b>General Labor</b>		<b>Wage</b>	<b>Health Ins</b>	<b>Total per hour</b>	<b>Hrs for Project</b>	<b>Total for Project</b>
Maintenance Crew:						
Fred Appleton, Maintenance Supervisor		\$ 16.37	\$ 7.20	\$ 23.57	\$ 50.00	\$ 1,178.50
Roger Anderson, Water/Sewer Superintendent		\$ 15.11	\$ 1.80	\$ 16.91	\$ 50.00	\$ 845.50
<b>Security</b>						
Police Officers:						
Brad Irwin, Chief of Police		\$ 19.62	\$ 5.98	\$ 25.60	\$ 240.00	\$ 6,144.00
Deanna Briggs, Officer		\$ 14.00	\$ -	\$ 14.00	\$ 160.00	\$ 2,240.00
<b>Grant Administration</b>						
Rita Dunn, Planner/Developer/Certified Grant Administrator		\$ 22.84	\$ 3.41	\$ 26.25	\$ 270.00	\$ 7,089.00
						\$ 17,497.00

General Labor: The Village maintenance crew will assist with locating utilities, identifying encumbrances, connecting to other agencies that may need to locate, general labor assistance to general contractor including hauling, backhoe, etc.

Security:

Estimating the project will take 12 weeks to construct. Because it is an very busy area, security will have to be provided to keep people off the cement until it dries and to keep equipment free from creative tagging.

Administration: on-site project management, grant reporting and drawdowns, project management

# **WALTHILL WELLNESS TRAIL IMPLEMENTATION SCHEDULE**

Project Activity / Milestones	1 <sup>st</sup> QTR. A M J	2 <sup>nd</sup> QTR. J A S	3 <sup>rd</sup> QTR. O N D	4 <sup>th</sup> QTR. J F M	5 <sup>th</sup> QTR. A M J
a)Project Initial Approval	X				
b) Wetland Delineation	X				
c) Approval in PPRNRD Annual Budget		X			
d) RFP for design and construction			X		
e)Town Hall meeting regarding purchase of land			X		
f) Appraisal and Purchase of Land			X		
g) Award contracts			X		
h) Construction plans & blueprints completed; permits				X	
i) Let for bid, bid opening, and award				X	
j) Construction				X	X X X
k) Grant Admin	X X X	X X X	X X X	X X X	X X X
l)Traffic control, security				X	X X X
m) Project complete					X







- ## NOTES
1. 6" METAL BENCH
  2. METAL TUBULAR RECYCLABLE
  3. STRENGTH & STRETCHING BARS
  4. HEALTH & WELLNESS MESSAGE
  5. STEEL EDGING
  6. LANDSCAPING
  7. BASKET BALL PAD
  8. 8" W x 4" D CONCRETE WALKWAY
  9. DISTANCE MARKER

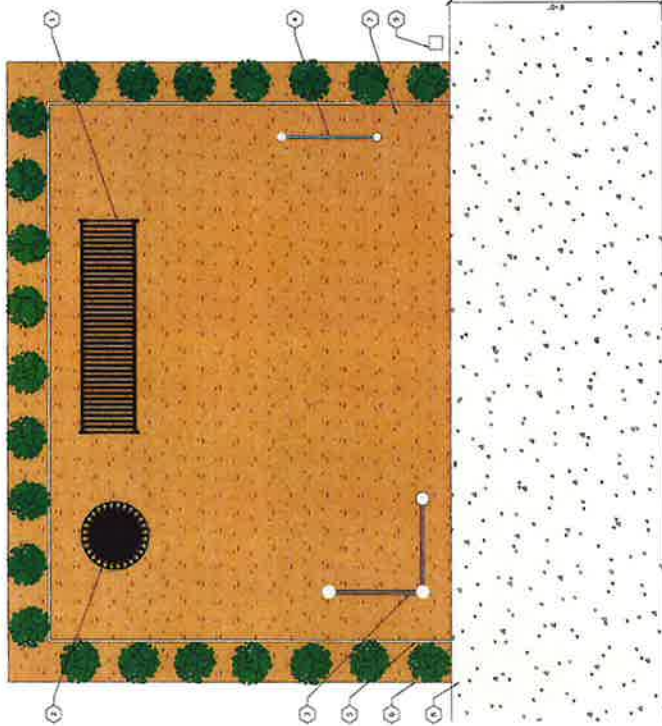




**RENDERING**  
 SCALE: NTS WELLNESS STATION



SPLASH PAD  
SCALE: NTS



**DETAILED PLAN**  
SCALE: 1/2"=1'-0"  
WELLNESS STATION



811  
A1.02

SKATEPARK

SCALE: NTS

<p>ARCHI+ETC., LLC ARCHITECTURE STUDIO 1024 NORTH 1ST STREET SUITE 202 DALLAS, TEXAS 75201 TEL: 214.969.0810</p>	<p><b>ARCHI+ETC.</b></p>	<p>James &amp; Myers, Inc. 10100 North Loop West Suite 1000 Dallas, Texas 75244 TEL: (214) 969-0810 FAX: (214) 969-0810 www.jamesandmyers.com</p>		<p>James &amp; Myers, Inc. 10100 North Loop West Suite 1000 Dallas, Texas 75244 TEL: (214) 969-0810 FAX: (214) 969-0810 www.jamesandmyers.com</p>	<p>WALTHILL RECREATION &amp; WELLNESS TRAIL MASTER PLAN FACILITY FEATURES WALTHILL, NE 2-13-17</p>	<p>Drawn: J. Myers Scale: North Arrow 2-13-17</p>	<p>Preliminary not for construction</p>	<p>Project Number: A1.02</p>
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# Shakopee Mdewakanton Sioux Community

2330 SIOUX TRAIL NW • PRIOR LAKE, MINNESOTA 55372  
TRIBAL OFFICE: 952•445-8900 • FAX: 952•445-8906

## OFFICERS

Charlie Vig  
Chairman

Keith B. Anderson  
Vice-Chairman

Lori K. Watso  
Secretary/Treasurer

RECEIVED  
12/19/14

December 17, 2014

Chairman Clifford Wolfe, Jr.  
Omaha Tribe of Nebraska  
P.O. Box 368  
Macy, NE 68039

*RE: Community Development Grant Request*

Dear Chairman Wolfe,

On behalf of the Shakopee Mdewakanton Sioux Community, we are pleased to inform you that the SMSC Business Council will provide a grant to the Omaha Tribe of Nebraska in the amount of \$400,000 with \$250,000 designated to the Macy Recreation swimming pool project and \$150,000 to the Walthill Recreation project. No funds may be used for administration or TERO fees. All funds must be expended before another tribal grant request is made.

The Shakopee Mdewakanton Sioux Community will release the funds through the Tribal Controller's office. If you have any questions, contact Tribal Controller Joe Dean at (952) 496-6128.

Sincerely,

Charlie Vig  
Chairman

Keith B. Anderson  
Vice Chairman

Lori K. Watso  
Secretary/Treasurer

Cc: Joe Dean, SMSC Controller



LEASE AGREEMENT

This Agreement, made and entered into this 15th day of November, A. D., 1976, by and between the Thurston County Agricultural Society of Thurston County, Nebraska, hereinafter referred to as the party of the first part, and the Village of Walthill, Nebraska, hereinafter referred to as the party of the second part, WITNESSETH: that the party of the first part has this day leased unto the party of the second part an irregular tract of land located in the N $\frac{1}{2}$  NE $\frac{1}{4}$  of Section 14, Township 25, North, Range 8, East of the 6th P.M., Thurston County, Nebraska, owned by first part, and which is commonly referred to as the "Thurston County Fairgrounds", for a period of 99 years from the 1st day of January, 1977 to the last day of December, year 2075, for and in consideration of the sum of One Dollar per year, or a total of \$99.00, payable in advance.

That the purpose of this lease is to enable the party of the second part to apply to the U. S. Department of Commerce Economic Development Administration for funds to build a municipal athletic field and park development area for the Village of Walthill and surrounding citizens, this recreation complex to be built through the Federal Government Public Works Act. The complex to consist of a lighted football field, baseball field, and a track, bleachers, and a concession stand and rest rooms building.

The party of the second part shall keep and maintain the leased premises, including, but not limited to, keeping all weeds mowed and brush cleared.

During the term of this lease, the second party shall not commit any waste on the premises nor shall the party remove or destroy any of the walnut trees on the above described property without the written consent of the party of the first part by its officers.

First party, the Thurston County Agricultural Society, shall not be liable for any loss, injury, death or damage to persons or property which at any time may be suffered or sustained by the Village of Walthill or by any person whosoever may at any time be using or occupying or visiting the premises. The Village of Walthill shall, at all times during the term of this lease, maintain in effect

personal injury liability insurance covering the premises.

It is hereby acknowledged between the parties, that for the past several years, the party of the first part has held its county fair in conjunction with the Dakota County Fair, said combined fair having been held at the Dakota County, Nebraska Fair Grounds in South Sioux City, Nebraska, but it is specifically understood and agreed by and between the parties, that should the Thurston County Fair Board decide, during the pendency of this lease, to return the Thurston County Fair to Walthill, Nebraska, that it reserves the right to do so, and reserves the right to use any and all of the land comprising and involved in this lease, including any building or buildings or recreation areas constructed by the party of the second part as result of any federal government programs hereafter provided. The party of the first part further reserves the right to enter upon the land leased herein and buildings thereon, for inspection purposes.

Signed this 15th day of November, A. D., 1976.

THURSTON COUNTY AGRICULTURAL SOCIETY

BY:

Neal Nelson  
President

Mike Cooney  
Vice President

Ralph Copenhaver  
Secretary-Treasurer

ATTEST:

Ralph R. Snyder  
Village Clerk

VILLAGE OF WALTHILL, NEBRASKA

BY:

Leo Morgan  
Chairman of the Village Brd. of Trustees

STATE OF NEBRASKA )  
THURSTON COUNTY ) ss.

On this 15th day of November, A. D., 1976, before me, the undersigned a Notary Public, duly commissioned and qualified for in said county and state, personally came, Neal Nelson, President of the Thurston County Agricultural Society, Mike Cooney, Vice President thereof, Ralph Copenhaver, Secretary-Treasurer thereof, and Leo Morgan, Chairman of the Village Board of Trustees of the Village of Walthill, Nebraska, to me known to be the identical persons whose names are affixed to the foregoing instrument and acknowledged the execution thereof to be their voluntary act and deed.



DONALD E. SAMSON  
GENERAL NOTARY  
State of Nebraska

My Commission Exp. Jan. 3, 1980

Donald E. Samson  
NOTARY PUBLIC

My Commission Expires: January 3, 1980

March 19, 2015

Papio-Missouri River Natural Resources District  
8901 S. 154<sup>th</sup> Street  
Omaha, NE 68138-3621

To Whom It May Concern:

This letter is written support of the Village of Walthill's recreational trail application to the Papio-Missouri River Natural Resources District.

The Village of Walthill is interested in purchasing 12.5 acres, more or less, known as the old Thurston County Fairgrounds, from the Thurston County Agricultural Society. The Thurston County Agricultural Society is willing to sell the property to the Village of Walthill for these purposes.

Sincerely,

A handwritten signature in cursive script that reads "Mary Raper Sec/Treas".

Thurston County Agricultural Society





# **WALTHILL, NEBRASKA** **COMPREHENSIVE PLAN - 2024.**

**PREPARED FOR:**  
**The Village of Walthill, Nebraska**

**PREPARED BY:**  
**HANNA:KEELAN ASSOCIATES, P.C.**  
**COMMUNITY PLANNING & RESEARCH**

*COMPREHENSIVE PLANS & ZONING \* HOUSING STUDIES \*  
DOWNTOWN, NEIGHBORHOOD & REDEVELOPMENT PLANNING \*  
CONSULTANTS FOR AFFORDABLE HOUSING DEVELOPMENTS\**

*\* Lincoln, Nebraska \* 402.464.5383 \**

**MARCH, 2014**

**Action Strategy 2.1.8**

*Residential growth areas are identified in the Land Use Plan to the south of the current Corporate Limits, to the south of Walthill Park. Local, State and Federal incentives and funding sources should be used in combination to entice new residents to Walthill. Community Development Block Grants, First-Time Homebuyer Programs, Credit- or Lease-To-Own Housing Program and/or HOME funds must be used in creative combinations to attract new residents to the Community.*

**Action Strategy 2.1.9**

*Continue to enforce regulations which encourage development of affordable housing.*

**PUBLIC FACILITIES, INFRASTRUCTURE AND TRANSPORTATION**

---

**Goal 1**

**Maintain and improve the existing public facilities and services in Walthill, and develop, as needed, new facilities and services to reflect the Community's needs and demands.**

**❖ Policy 1.1**

Provide public services in an efficient and economic manner in Walthill to protect and enhance the safety and welfare of all residents. Address needed health, educational and supportive services.

**Action Strategy 1.1.1**

*Insure public services are maintained and improved to keep pace with population growth.*

**Action Strategy 1.1.2**

*Provide adequate law enforcement and fire protection services, with increased emphasis on community relations as well as adequate civil defense and emergency service. Insure facilities necessary to support such services are available throughout the Community.*

**Action Strategy 1.1.3**

*Promote the coordination of these services among the various governmental and quasi-governmental entities. **Walthill maintains its own municipal police department.***

❖ **Policy 1.2**

Preserve and expand existing parks and open spaces throughout the Community to enhance recreational opportunities in Walthill.

***Action Strategy 1.2.1***

*The Walthill 2013 Strategic Plan established priorities to replace the existing swimming pool and rebuild the baseball field, as well as to implement a nature/wellness walking trail.* ✖

***Action Strategy 1.2.2***

*Provide and improve recreation programs for youth, elderly, persons with disabilities and families.*

***Action Strategy 1.2.3***

*Walthill parks are used by both the Community residents and visitors. Continue and improve maintenance efforts to reinforce a positive community image.*

***Action Strategy 1.2.4***

*Utilize the Parks and Recreation Master Plan, to be completed in 2014, as a guide to make park improvements, including but not limited to, reusing the old basketball court as a new gathering area with sheltering canopies and cooking areas and creating new landscaping and flower beds around light poles throughout the park.* ✖

❖ **Policy 1.3**

Maintain the provision of facilities and services necessary to prevent pollution of the environment. Provide sewage treatment, refuse collection and disposal, street cleaning, flood control and similar environmental control processes.

***Action Strategy 1.3.1***

*Provide adequate, efficient and appropriate utilities and services throughout the community of Walthill to existing and future residential, recreational, commercial and industrial areas.*

***Action Strategy 1.3.2***

*Maintain an adequate supply of potable water and an expanded distribution system suitable for present and future consumption and fire protection within Walthill.*

***Action Strategy 1.3.3***

*Educate the general public on solid waste management and the recycling of materials.*



**MAINTENANCE PLAN  
FOR WALTHILL WELLNESS TRAIL  
WALTHILL NE 68067**

**NON-MOTORIZED TRAIL**

The maintenance of the proposed Walthill Wellness Trail will be the responsibility of the Village of Walthill's Maintenance Department. Specifically, the maintenance staff will be assigned to maintain the trail. This includes both fulltime and seasonal members. During the summer months we will encourage mission groups to assist with maintenance of the trail. During the school year, the Village will work with the Walthill Public Schools student council to assist us in maintaining the trail. However, we will not rely on either group to keep the trail in good working condition. The majority of the trail will be a concrete surface. Maintenance will be primarily mowing around the trail during the growing season, spraying for weeds as needed, removal of snow and ice during the winter season, trash pick up along the trail, and any periodic repairs to the surface and signage that may arise throughout the anticipated life expectancy of the trail. Trail maintenance includes the trail itself in Phase I of the trail development. When Phases II, III and IV are completed maintenance will be extended to these areas, including a small tree bark path through a wooded area and parking along amenities.

The costs of the trail maintenance will be absorbed into the parks and recreation division of the Village of Walthill's annual budget. There are sufficient funds available to do so. The anticipated budget impact should be minimal.

## Trails Assistance Program – Application Form

Project name 2015 Trail Improvements

Project location (attach location map) 163rd & Greenfield Street

Sponsor organization SID 245, Meridian Park / Stonecrest

Sponsor address 11440 West Center Road

City Omaha State NE ZIP 68144

Contact person Robert Czerwinski

Title Municipal Services Department Manager

Email address bczerwinski@eacg.com Daytime phone 402.510.1329

Description of project (attach additional sheets as needed)

Construct trail connection from 163rd St in Meridian Park to existing  
trail on Corps property.

Total estimated cost \$ 60,000 Cost share request \$ 30,000

ROBERT F CZERWINSKI

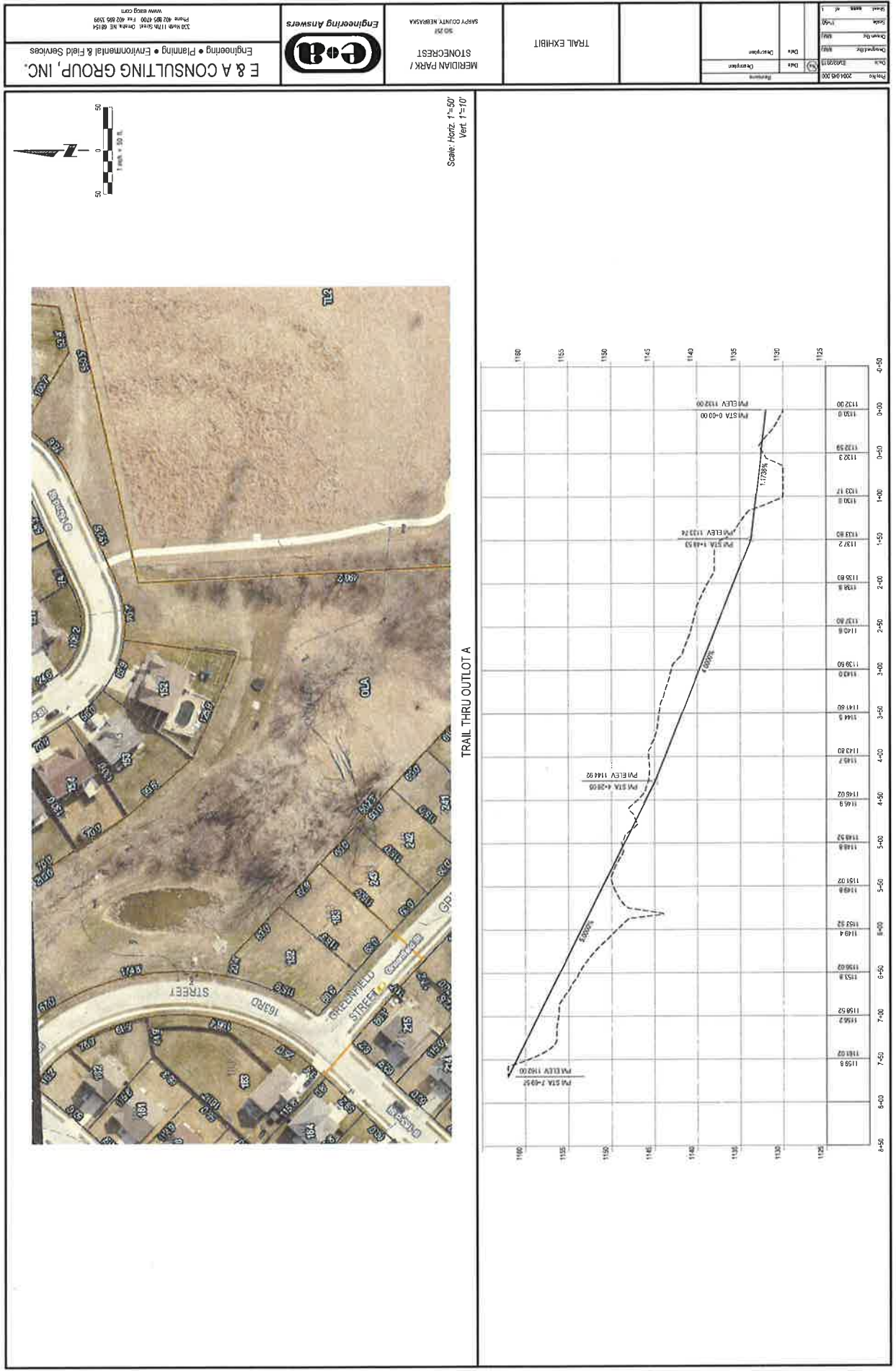
3/20/2015

Signature

Date

Municipal Services Dept. Manager

Title





From: Pletka, Angela NWO [mailto:Angela.Pletka@usace.army.mil]  
Sent: Friday, March 20, 2015 10:41 AM  
To: Bob Czerwinski  
Subject: RE: Meridian Park Trail Connection (UNCLASSIFIED)

Classification: UNCLASSIFIED  
Caveats: NONE

Hi Bob,

To recap what we discussed on the phone, the trail connection shouldn't be an issue. I have attached a checklist of items that I will need sent to my office to get the paperwork started. Some may not be applicable, but please note that I will need concurrence from our land managers, the Papio NRD, as well as a maintenance agreement. We will need to issue a construction license for the construction activity and, depending on who is maintaining the trail on Corps property, a permanent easement may be needed as well. Please note the timeline on the checklist. This small bit of trail should not require significant review, but I do want to let you know that it will go through a review process before the construction license is issued.

Let me know if you have any questions,

Angel Pletka  
Natural Resources Specialist  
US Army Corps of Engineers  
Missouri River Project  
9901 John J Pershing Drive  
Omaha, NE 68112-1547  
402-996-3752

From: Bob Czerwinski [mailto:bczerwinski@eacg.com]  
Sent: Tuesday, March 17, 2015 11:12 AM  
To: Pletka, Angela NWO  
Subject: [EXTERNAL] Meridian Park Trail Connection

Angela,

SID 257 is looking at making a trail connection to the existing trail in Chalco Hill Recreation Area. Back in 2011 they received approval to construct a connection from 163rd St in Stonecrest. Attached is a site plan and trail alignment exhibit.

I have spoken with Eric Williams with the NRD(email attached) and he stated that I would need USACE permission for Urban Cost Share.

Let me know your thoughts on this project. Thank you,

Robert F. Czerwinski Jr.  
Municipal Services Dept. Manager  
Engineering Answers... Professionally  
E & A Consulting Group, Inc. <<http://www.eacg.com/>> [www.eacg.com](http://www.eacg.com/) <<http://www.eacg.com/>>  
330 North 117th Street Omaha, NE 68154 • Ph: 402.895.4700 • Fax: 402.895.3599

### **Salt Creek and Papio Easement/ License Application Checklist**

**Submit:**

1. Three complete sets of:
  - a. Final plans (cross sections, vicinity map, seeding specs, tree mitigation plan, erosion control measures etc.).
  - b. Legal descriptions for permanent and temporary easements.
2. A cover letter, which explains the project purpose, identifies the point of contact for the project and requests permission for the activity.
3. Letter(s) of concurrence from affected Corps lessee(s). (e.g. City of Omaha Parks Department, NRD, etc.)
4. A copy of state and or federal permits which may apply to the activity.  
(e.g. Will fill material be removed/placed in a wetland or waterway? (Section 404 permit) Will one or more acres of land be disturbed? (NPDES permit), etc.)
5. Will fill material be placed, or water impounded, within the Corps' flood storage zone?  
If so, submit volume calculations necessary to determine the amount of compensatory excavation required.
6. If any excavation work is to be done, submit a letter from the State Historical Society giving cultural/historical review of the work.
7. Identification of the party or parties responsible for maintenance of finished project where applicable.

The requestor should allow sufficient lead-time for the review of the plans by Natural Resources staff (3-6 weeks depending on the complexity of the proposed activity and completeness of the submittal). The plans will next be reviewed by Omaha District Office staff (2-4 wks) who will then submit the approved plan to the Real Estate Branch for processing. A real estate appraisal may be necessary to determine fair market value of the land impacted. This appraisal could take approx. 6 to 8 weeks to complete once the request reaches the Real Estate Branch. The appropriate real estate instrument will then be issued usually within 15 working days.

Send the application materials to:

Missouri River Project Office

Attn: Angel Pletka

9901 J.J. Pershing Dr.

Omaha, NE 68112

Questions - contact Angel Pletka (402) 996-3752

PAPIO-MISSOURI RIVER  
NATURAL  
RESOURCES  
DISTRICT



8901 S. 154th Street  
Omaha, NE 68138-3621  
402-444-6222  
www.papionrd.org

Lake Dredging Program – Application Form

Project name Cinnamon Acres Stilling Basin  
Project location (attach location map) just west of 16491 Cinnamon Drive  
Sponsor organization Cinnamon Acres Homeowners Association  
Sponsor address PO Box 338  
City Gretna State NE ZIP 68028  
Contact person Doug Jones  
Title Treasurer  
Email address djones@cobank.com Daytime phone 402-492-2008

Description of project (attach additional sheets as needed)

Spring 2009 dredging of stilling basin.  
Basin size - 56' wide by 153' long. Depth  
estimated at eight' (68,544 cubic feet).

Original capacity of lake/basin \_\_\_\_\_ Ac-ft

Proposed excavation amount \_\_\_\_\_ Ac-ft

Total estimated cost \$ 20,824.67 Cost share request \$ 10,412.33

Signature Doug Jones Date 3-22-15

Title Treasurer





**HEIMES CORP.**9144 S. 147th Street  
Omaha, NE 68138-3671

Phone: (402) 894-10000

Fax: (402) 894-2444

**CUSTOMER #: O&P****INVOICE #: 134434****INVOICE DATE: 2/2/2009****DUE DATE: 3/4/2009****Bill To:** Cinnamon Acres HOA  
Olmsted & Perry Cons. Eng.  
10730 Pacific Street, Suite 232  
Omaha, NE 68114**Job:** 087802  
O & P Cinnamon Acres  
16491 Cinnamon Drive, Omaha, NE

Description	Billing Units	Unit Bill Rate	Amount Due
<b>Pond Dredging</b>	1	LS \$ 18,310.00	\$ 18,310.00
<b>Tree Removal</b>	1	LS \$ 725.00	\$ 725.00

**Subtotal \$ 19,035.00****Less Retention \$ (1,903.50)****Net Total \$ 17,131.50**Paid 17,131.50  
ck 450  
2/28/09

# INVOICE

PAYMENT DUE UPON RECEIPT

May 19, 2009

INVOICE NO. 01- 29047

Jim Love, President  
Cinnamon Acres Home Owners' Association  
9615 Chutney Drive  
Omaha, Nebraska 68136

Re: General Engineering Services  
Cinnamon Acres Subdivision Home Owners Association  
OPCE Project No.29047

For Engineering Services associated with the above referenced for the period from January 1, 2009 to April 30, 2009:

Engineering Services (11 Hrs. x \$125.00/Hr.) \$1,375.00

Reimbursable expenses: 78.27

Total \$ 1,453.27

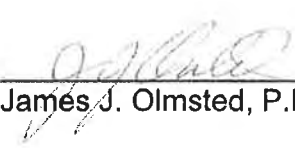
TOTAL AMOUNT DUE THIS INVOICE \$

**1,453.27**

Engineering Services Provided:

1. Discussion With Home Owners' Association President & Contractor;  
Construction Observation/Administration of Sediment Basin Dredging Project.  
Billing & Clean-up Issues With Contractor.

paid # 459  
**6-17-09**

By:   
James J. Olmsted, P.E.

PLEASE RETURN A COPY OF INVOICE WITH PAYMENT

## OLMSTED & PERRY CONSULTING ENGINEERS INC.

10730 Pacific Street • Suite 232 • Omaha, Nebraska 68114-4700

Phone: 402-399-8552 Fax: 402-399-9852





HEIMES CORP.

9144 S 147th Street  
Omaha NE 68138-3671

Phone: (402) 894-10000 Fax: (402) 894-2444

CUSTOMER #: O&P

INVOICE #: 134434

INVOICE DATE: 2/2/2009

DUE DATE: 3/4/2009

Bill To: Cinnamon Acres HOA  
Olmssted & Perry Cons. Eng.  
10730 Pacific Street, Suite 232  
Omaha NE 68114

Job: 087802  
O & P Cinnamon Acres  
16491 Cinnamon Drive, Omaha, NE

Description

Billing  
Units

Unit  
Bill Rate

Amount  
Due

Pond Dredging

1 LS \$ 18,310.00 \$ 18,310.00

Tree Removal

1 LS \$ 725.00 \$ 725.00

Subtotal \$ 19,035.00

Less Retention \$ (1,903.50)

Net Total \$ 17,131.50

Paid 17,131.50  
ok 450  
2/28/09

Paid 1903.50  
7-15-09  
# 523

CINNAMON ACRES HOME  
OWNERS ASSOCIATION  
PO BOX 338  
GRETNA, NE 68028

503

76-1391/1049

7/15/09

Pay to the  
Order of

Heimes Corp

Date

\$ 1903.50

one thousand nine hundred three and 50/100

Dollars



Pinnacle Bank

GRETNA • OMAHA • PAPILLION • pinnaclebank.com

For: invoice 134434

*Douglas*

1049139121

508721330000

# INVOICE

PAYMENT DUE UPON RECEIPT

November 24, 2009

INVOICE NO. 02- 29047

Jim Love, President  
Cinnamon Acres Home Owners' Association  
9615 Chutney Drive  
Omaha, Nebraska 68136

Re: General Engineering Services  
Cinnamon Acres Subdivision Home Owners Association  
OPCE Project No.29047

For Engineering Services associated with the above referenced project for the period from April 30, 2009, to November 15, 2009:

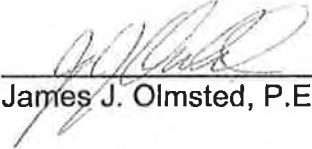
Engineering Services (1 ½ Hrs. x \$125.00/Hr.)	
( 4 Hrs. x \$ 30.00/Hr.)	\$307.50
Reimbursable expenses:	<u>28.90</u>
Total	\$ 336.40

TOTAL AMOUNT DUE THIS INVOICE \$

336.40 - Pd 11/24/09  
1-8-10

Engineering Services Provided:

1. Discussion With Home Owners' Association President & Contractor;  
Construction Observation/Administration of Sediment Basin Dredging Project.  
Billing & Clean-up Issues With Contractor.

By:   
James J. Olmsted, P.E.

PLEASE RETURN A COPY OF INVOICE WITH PAYMENT

**OLMSTED & PERRY CONSULTING ENGINEERS INC.**

10730 Pacific Street • Suite 232 • Omaha, Nebraska 68114-4700

Phone: 402-399-8552 Fax: 402-399-9852

**MEMORANDUM AGREEMENT**

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CINNAMON ACRES HOMEOWNERS ASSOCIATION, INC.,  
HAWK, INC.,  
&  
PAPIO-MISSOURI RIVER NATURAL RESOURCES DISTRICT

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CINNAMON ACRES GREENWAY  
URBAN WATER QUALITY DEMONSTRATION PROJECT

---

THIS MEMORANDUM AGREEMENT (hereinafter referred to as "this Agreement") is made by and among CINNAMON ACRES HOMEOWNERS ASSOCIATION, INC., a Nebraska non-profit corporation (hereinafter referred to as "the ASSOCIATION"), HAWK, INC., a Nebraska Corporation (hereinafter referred to as "the DEVELOPER"), and the PAPIO-MISSOURI RIVER NATURAL RESOURCES DISTRICT (hereinafter referred to as "the DISTRICT").

**R E C I T A L S:**

WHEREAS, the parties desire to establish an Urban Water Quality Demonstration Project (hereinafter referred to as "the PROJECT") on that part of the open drainageway (hereinafter referred to as "the DRAINAGEWAY") which extends through Cinnamon Acres, Cinnamon Acres Replat, and Cinnamon Acres Replat II, subdivisions in the Southwest Quarter of Section 22, Township 14 North, Range 11 East of the 6th P.M., Sarpy County, Nebraska; and,

WHEREAS, the PROJECT consists of the establishment of specialized vegetative cover along the DRAINAGEWAY, construction of a road embankment and drop-inlet within the dedicated right-of-way of Cinnamon Drive, and establishment of a stormwater detention and sediment basin within the limits of the dedicated drainage easement area on Lots 14 and 15, Cinnamon Acres Replat, immediately upstream of such embankment.

WHEREAS, to partially fund the PROJECT, the DISTRICT has received a grant from the Nebraska Department of Environmental Quality in the amount of 60% of the DISTRICT's actual cash outlays for the PROJECT, and the DEVELOPER desires to reimburse the DISTRICT for 25% of such outlays; and,

WHEREAS, the parties desire to provide for the construction, operation, and maintenance of the PROJECT.

N O W, T H E R E F O R E, for and in consideration of the foregoing recitals and the mutual covenants hereinafter expressed, the parties to this Agreement do hereby agree as follows:

1. PURPOSE. The purpose of this Agreement is to provide for a cooperative undertaking by and among the ASSOCIATION, the DEVELOPER, and the DISTRICT, without any separate entity being created; and, the duties and responsibilities of the parties shall be as defined by this Agreement.

2. PROJECT DESIGN. The DISTRICT shall be responsible for the design of the PROJECT, and, with the assistance of a professional engineering consultant (hereinafter referred to as the DESIGN CONSULTANT), retained and paid by the DISTRICT, the



DISTRICT shall provide written plans and specifications (hereinafter referred to as "the PLANS AND SPECIFICATIONS") for the PROJECT and shall prepare an Operations and Maintenance Manual (hereinafter referred to as ("the O&M MANUAL") for the PROJECT. The PLANS AND SPECIFICATIONS and the O&M MANUAL shall be submitted to the ASSOCIATION and the DEVELOPER for their separate written approvals prior to commencement of construction of the PROJECT, which approvals shall not be withheld unreasonably.

3. PROJECT CONSTRUCTION. By competitive bidding, the DISTRICT shall retain a contractor (hereinafter referred to as "the CONTRACTOR") to construct the PROJECT in accordance with the approved PLANS AND SPECIFICATIONS.

4. CONSTRUCTION COST-SHARING. The DEVELOPER shall reimburse the DISTRICT in the amount of 25% of the DISTRICT's actual cash outlays to the DESIGN CONSULTANT for PROJECT design and to the CONTRACTOR for construction of the PROJECT; provided, however, the DEVELOPER shall not be required to reimburse more than \$30,000.00 of such design and construction outlays. Within 5 days after this Agreement has been executed by all parties, the DEVELOPER shall deposit cash with the DISTRICT in the amount of \$25,000.00, which deposit shall be held by the DISTRICT in its general fund and applied by the DISTRICT against the reimbursement owed to the DISTRICT by the DEVELOPER pursuant to this paragraph; provided, however, within 30 days after final completion of the PROJECT and final settlements with both the DESIGN CONSULTANT and the CONTRACTOR, the DISTRICT shall refund to the DEVELOPER, without interest, any difference between such deposit and the

reimbursements owed to the DISTRICT by the DEVELOPER pursuant to this paragraph.

5. EASEMENTS. The ASSOCIATION, at its own unreimbursed cost and expense, and with the assistance of the DISTRICT, will acquire and provide the easements required for construction, operation and maintenance of the PROJECT pursuant to this Agreement. Such easements are listed in the document attached hereto as Exhibit A and incorporated herein by reference and shall be in the forms as attached hereto collectively as Exhibit B and incorporated herein by reference.

6. OPERATION AND MAINTENANCE. Commencing upon the expiration of the warranty period provided by the contract between the DISTRICT and the CONTRACTOR, the ASSOCIATION, at its sole cost and expense, shall operate and maintain the PROJECT improvements in conformance with the PLANS AND SPECIFICATIONS and the O&M MANUAL, for the period of thirty-five (35) years after completion of construction thereof. Any delegation by the ASSOCIATION to its members of the performance of mowing and other maintenance activities shall not relieve the ASSOCIATION of its responsibility for operation and maintenance of the PROJECT improvements. The ASSOCIATION's duties are limited to ordinary maintenance of the PROJECT improvements and the ASSOCIATION is not responsible for the construction of capital improvements or their replacements; provided, however, if, in the future, generally accepted engineering principles indicate to the DISTRICT that the sedimentation pond needs to be dredged or excavated, the ASSOCIATION agrees to provide fifty percent (50%) of the cost of such dredging or excavation.

7. CINNAMON DRIVE EMBANKMENT. With respect to the road embankment, designed and constructed by the DISTRICT as a part of the PROJECT, and to be located within the dedicated right-of-way of Cinnamon Drive, neither the ASSOCIATION nor the DEVELOPER shall perform, permit, or approve the construction, operation or maintenance of any road surfacing, curbing or other improvement on such embankment that would raise the elevation of such embankment to such height that waters, impounded in the sediment basin, located on Lots 14 and 15, Cinnamon Acres Replat, immediately upstream of such embankment, will overflow the boundaries of the easement area(s) provided in the easements obtained by the ASSOCIATION for such sediment basin.

8. INDEMNIFICATION. The ASSOCIATION agrees to indemnify and hold the DISTRICT harmless from and against all claims, causes of action, costs and expenses (including legal fees) for personal injury or property damage arising out of the ASSOCIATION's operation and maintenance of the PROJECT. The DISTRICT agrees to indemnify and hold the ASSOCIATION harmless from and against all claims, causes of action, costs and expenses (including legal fees) for personal injury or property damage arising out of the DISTRICT's construction of the PROJECT.

9. TERM. No separate legal entity is created by this Agreement, which shall be effective upon execution by all of the parties and have permanent duration.

10. DISCRIMINATION. The parties shall not, in the performance of the terms of this Agreement, discriminate or permit discrimination against any parties on account of race, national

origin, sex, age, or political or religious affiliations in violation of federal or state laws or local ordinances.

11. SEVERABILITY. In the event any portion of this Agreement may be held invalid or unenforceable for any reason, it is agreed that any invalidity or unenforceability shall not affect the remainder of this Agreement and the remaining provisions shall remain in full force and effect.

I N W I T N E S S W H E R E O F, the parties have executed this Agreement on the dates hereinafter indicated.

Executed by the ASSOCIATION on May 25, 1995.

CINNAMON ACRES HOMEOWNERS ASSOCIATION, a  
Nebraska non-profit corporation

By   
President

ATTEST:

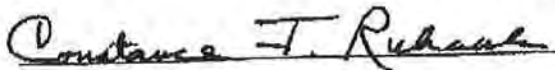
  
Secretary

Executed by the DEVELOPER on MAY 30, 1995.

HAWK, INC., a Nebraska Corporation

By   
President

ATTEST:

  
Secretary



Executed by the DISTRICT on May 26, 1995.

PAPIO-MISSOURI RIVER NATURAL RESOURCES  
DISTRICT

By   
GENERAL MANAGER

CINNAMON ACRES GREENWAY  
URBAN WATER QUALITY DEMONSTRATION PROJECT

We/I, \_\_\_\_\_,  
the owner(s) of Lot \_\_\_\_\_, in Cinnamon Acres \_\_\_\_\_, a subdivision in Sarpy  
County, Nebraska, grant to the Papio-Missouri River Natural Resources District and  
Cinnamon Acres Homeowners Association, Inc., a Nebraska non-profit corporation, the  
permanent right to install and maintain drainage and water quality improvements,  
including vegetation, in the dedicated drainage easement area along the \_\_\_\_\_  
margin of such Lot as shown on the recorded plat for the subdivision.

We/I reserve the right to perform maintenance of the vegetation in the  
drainageway, including weed control, in conformity with the Maintenance Manual for the  
Cinnamon Acres Greenway Project, published and amended from time to time by the  
Papio-Missouri River Natural Resources District.

\_\_\_\_\_, 1995 \_\_\_\_\_  
\_\_\_\_\_

State of Nebraska

ss.

County of Sarpy

The foregoing instrument was acknowledged before me on this  
\_\_\_\_\_, 1995, by \_\_\_\_\_.

\_\_\_\_\_  
Notary Public

LOT	PLAT	PROPERTY MARGIN	LANDOWNER(S)
19	Replat	Southeast	Steve Mitchell Claudia Wilson
18	Replat	West	Arnie Putler Kathy Putler
1	Replat	South	Rick Gilman Nancy Gilman
2	Replat	South	Dave Orrell Carla Orrell
3	Replat	South	Bill Wiesler Pam Wiesler
4	Replat	Southeast	Pat Lichter Pam Lichter
5	Replat	Northwest	Joe Ruhaak (Developer)
9	Replat	Northwest	Joe Ruhaak Developer
10	Replat	Southeast	Lucie Cavanaugh Michael Cavanaugh
11	Replat	Southeast	Jody Frink Janice Frink
12	Replat	Southeast	Joe Ruhaak Developer
14	Replat	Southeast	Don Flegle Janice Flegle
15	Replat	Northwest	Rick Otto Kay Otto
35	Plat	Northwest	James R. Hill Lori Monjarez
36	Plat	Northwest	Kenneth Bitner Pam Bitner
44	Plat	Northwest	Mike Cochrane Annette Cochrane

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45	Plat	North	Randy Ott Christine Ott
1	Replat II	North	Ray Grace
2	Replat II	North	Ben Spanjer
6	Replat	North & West	Kevin Kennedy Lisa Kennedy

plac50523.09