

Memorandum

To: Programs, Projects, and Operations Subcommittee

Subject: FY 2010 Urban Cost Share Programs

- Recreation Area Development Program
- Urban Drainageway Program
- Urban Conservation Assistance Program

Date: March 31, 2009

From: Gerry Bowen

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

Recreation Area Development

The Recreation Area Development Program (RAD) cost shares with cities and villages 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.

The following application has been approved by Management.

- The City of LaVista has requested assistance to prepare parks master plans for each of 18 city parks. The master plans will be implemented over a period of four or five years. The total cost of the project is estimated at \$14,000. The City is requesting 50% of this amount, or **\$7,000**.

The following applications require Board approval.

- The City of Bellevue has requested assistance to install restroom facilities in Jewel Park located in the northeast part of the City. The estimated cost of the project is \$40,000. They are requesting 50% of this amount, or **\$20,000**.
- The City of South Sioux City has requested assistance to develop Veteran Memorial Park and Recreation Area. The total cost of the project is estimated at \$125,000. They are requesting the maximum under the program, or **\$50,000**.

The following table summarizes the RAD project requests for FY 2010. The FY 2009 budget for this program was \$350,918.

Sponsor	Total Estimated Cost	Cost Share Requested
City of LaVista	\$14,000	\$7,000
City of Bellevue	\$40,000	\$20,000
City of South Sioux City	\$125,000	\$50,000
Total	\$179,000	\$77,000

- Management recommends that the Subcommittee recommend to the Board that the applications from the City of LaVista for \$7,000, the City of Bellevue for \$20,000, and the City of South Sioux City for \$50,000 be approved, for a total of \$77,000, subject to funding in the FY 2010 budget.

Urban Drainageway Program

The Urban Drainageway Program (UDP) cost shares with units of government to solve erosion, flooding, and other stormwater management concerns on major drainageways within their jurisdiction. The cost share rate is 60%. Board approval is required on all applications.

The District received the following applications under the Urban Drainageway Program.

- The City of Omaha Cole Creek Restoration Project was approved in FY 2009 with funding the District's share over a two year period. The FY 2010 portion of the costs is **\$651,800**.
- The City of South Sioux City was approved for cost share assistance on the Silver Lake Project in the western portion of the City. The existing agreement calls for the District to pay its share of the costs over a four year period. The FY 2010 portion of the costs is **\$300,000**.
- The City of Bellevue has requested assistance to stabilize two road culverts (29th and 31st Streets) located in Gilbert Park located in the southeast portion of the City. The estimated cost of the project is \$90,000. They are requesting cost sharing in the amount of **\$54,000**
- The City of Gretna has requested assistance to install two grade stabilization structures in a drainageway through Founders Park located in the central part of the City. The estimated cost of the project is \$40,000. They are requesting 60% of this amount or **\$24,000**.
- Mission Creek (Sarpy County SID #162) (167th & Harrison) has requested assistance to stabilize a drainageway (a tributary of the South Branch Papillion Creek) with a combination of grade stabilization structures and streambank lining. They are proposing to install the project over a period of five years. The total estimated cost of the project is \$600,840. They are requesting a total cost share amount of 60%, or **\$360,500**. The FY 2010 request is for **\$63,300**.
- The City of Papillion is requesting assistance to stabilize a drainageway through the eastern portion of Tara Hills Golf Course. The estimated cost of the project is \$478,270. They are requesting 60% of this amount, or **\$286,962**.
- The City of Papillion has requested assistance to stabilize a drainageway west of 72nd Street and Centennial Road. The total cost of the project is \$43,270. They are requesting 60% of this amount, or **\$25,962**.

The following table summarizes the applications for FY 2010. The FY 2009 Budget included \$789,423 for this item.

Sponsor	Total Estimated Cost	Cost Share Requested
City of Omaha	\$1,418,500	\$651,800
City of South Sioux City	\$1,879,020	\$300,000
City of Bellevue	\$90,000	\$54,000
City of Gretna	\$40,000	\$24,000
Mission Creek SID	\$600,840	\$360,500 ¹
City of Papillion	\$478,270	\$286,962
City of Papillion	\$43,270	\$25,962
Grand Total	\$4,549,900	\$1,703,224

¹ FY 2010 amount for Mission Creek SID is \$63,300 for a total budgetary request of \$1,406,024.

- Management recommends that the subcommittee recommend to the Board that the applications from the City of Omaha for \$651,800, the City of South Sioux City for \$300,000, the City of Bellevue for \$54,000, the City of Gretna for \$24,000, Mission Creek SID \$63,300, the City of Papillion for \$286,962 and \$25,962, for a total of \$1,406,024 be approved subject to funding in the FY 2010 Budget.

Urban Conservation Assistance Program

The Urban Conservation Assistance Program (UCAP) cost shares with units of government to solve relatively minor erosion, flooding, and stormwater management problems in their jurisdiction. Construction costs only are eligible. The Policy Manual calls for Management approval of all applications. Management intends to approve the following applications.

- Millard West High School has requested assistance to rehabilitate an existing wetland on the school site. The project will dredge and deepen the wetland, establish wetland vegetation, and install a rain garden for water quality. The rain garden portion of the project (\$19,920) will be cost shared through the District's Stormwater BMP Program. The total cost of the remaining portion of the project is \$31,615. They are requesting 60% of this amount, or **\$18,969**.
- The City of Omaha has requested assistance to stabilize a storm sewer outlet at the northwest corner of 72nd Street and West Center Road. The estimated cost of the project is \$22,315. They are requesting 60% of these costs, or **\$13,389**.

The FY 2009 Budget for this item was \$47,440.

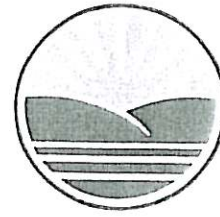
- **It is recommended that the Subcommittee recommend to the Board that the applications from Millard West High School for \$18,969 and the City of Omaha for \$14,389 for a total of \$32,358 be approved, subject to funding in the FY 2010 budget.**

Form 17.27 A

RECREATION AREA DEVELOPMENT PROGRAM

APPLICATION FORM

PAPIO-MISSOURI RIVER
NATURAL
RESOURCES
DISTRICT



8901 S. 154TH ST.
OMAHA, NE 68138-3621
(402) 444-6222
FAX (402) 895-6543
www.papionrd.org

1. DATE: 03/13/09

2. PROJECT NAME: Individual Park Master Planning

3. PROJECT SPONSOR: City of La Vista
(Address)

9900 Portal Road

La Vista, NE 68128

4. CONTACT PERSON: Joe Soucie TITLE: Public Works Director

5. TELEPHONE: (402)331-8927

6. PROJECT LOCATION **: See attachment "A"

7. DESCRIPTION OF PROJECT **: See attachment "B"

8. TOTAL ESTIMATED COST: \$ 14,000

9. COST SHARE REQUEST: \$ 7,000

10. SIGNATURE/TITLE: Joe Soucie Public Works Director

** Attach additional sheets as necessary.





March 25, 2009

TO: Gerry Bowen
PMIR - NRD

FROM: Joe Soucie
City of La Vista

RE: Grant Funding Documentation

The cost estimate we received from consultants for completing individual park master plans was based on an acreage charge using the following formula:

0 - 10 Acres	\$750 per park
11 - 20 Acres	\$1500 per park
21+ Acres	\$2250 per park

Listed below is a break down of each park and cost associated with the planning. I have included tentative implementation dates for rehabilitation to each park. The city plans to pursue multiple sources of grant funding for the physical improvements. Every funding source we have considered requires a park master plan to even apply for funding associated with physical improvements.

Park	Acres	Cost	Implementation Date
Apollo Park	2.2	\$750	FY 2011
Ardmore Park	1.5	\$750	FY 2014
Camezind Park	2.2	\$750	FY 2011
Central Park	19.5	\$1500	FY 2010
Central Park East	1.9	\$750	FY 2012
Champion Park	2.77	\$750	FY 2011
City Park North	1.07	\$750	FY 2013
City Park	12.8	\$1500	FY 2012
Eberle/Walden Park	0.06	\$750	FY 2012
Hollis Park	0.5	\$750	FY 2010
Mayor's Park	2.14	\$750	FY 2012
Memorial Children's Park	1.0	\$750	FY 2013
Jaycee Park	2.6	\$750	FY 2010
Kelly Field Park	6.0	\$750	FY 2013
Centennial Park	5.62	\$750	FY 2015
Southwind Park	3.24	\$750	FY 2014
La Vista Sports Complex	26.4	\$2250	FY 2015
La Vista Soccer Complex	36.89	\$2250	FY 2014

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

Attachment "A"

City of La Vista Park Locations:

Apollo Park	72 nd Street and Park View Blvd.
Ardmore Park	69 th Street and Michelle Avenue
Camezind Park	7120 Wood Lane Drive
Central Park	Edgewood Blvd. and Valley Road
Central Park East	7700 Valley Road
Champion Park	7702 Park View Blvd.
City Park North	7602 Josephine Street
City Park	7603 Josephine Street
Eberle/Walden Park	69 th Street and Josephine Street
Hollis Park	7521 Joseph Street
Mayor's Park	72 nd Street and Park View Blvd.
Memorial Children's Park	72 nd Street and Josephine Street
Jaycee Park	7323 Harvest Hills Drive
Kelly Field Park	87 th and Park View Blvd
Centennial Park	9805 Centennial Road
Southwind Park	8129 S. 92 nd Avenue
La Vista Sports Complex	7200 S. 66 th Street
La Vista Soccer Complex	7200 S. 66 th Street

Attachment "B"

Description of Project:

In 2002 the City of La Vista completed a Comprehensive Park and Recreation Master Plan. One component of the action plan recommends the development of individual park master plans as described in Attachment "C". The City of La Vista is requesting grant funding to hire a consultant to assist with completing Master Plans for each of the eighteen individual parks listed in Attachment "A". The goal for each park plan is to incorporate amenities that have been recognized as being absent or deficient, enhance landscaping and include one unique feature in each park. The individual park master plans will be used to assist in determining funding levels in the City's Capital Improvement Program process.

Implementation Schedule:

Project Start Date: July 2009

Project Completion Date: April 2010

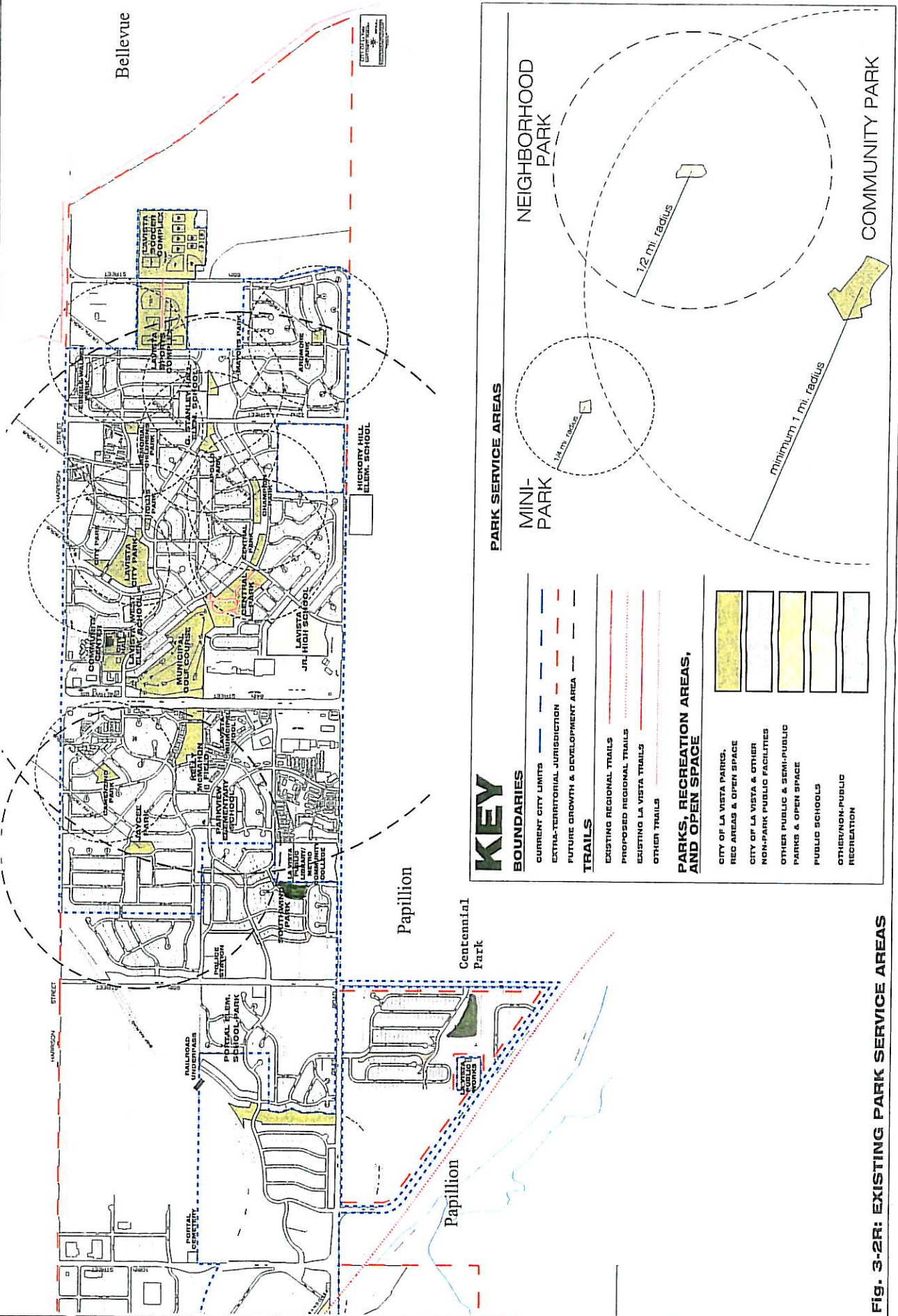


Fig. 3-2R: EXISTING PARK SERVICE AREAS

Form 17.27 A

RECREATION AREA DEVELOPMENT PROGRAM

APPLICATION FORM

PAPIO-MISSOURI RIVER
NATURAL
RESOURCES
DISTRICT



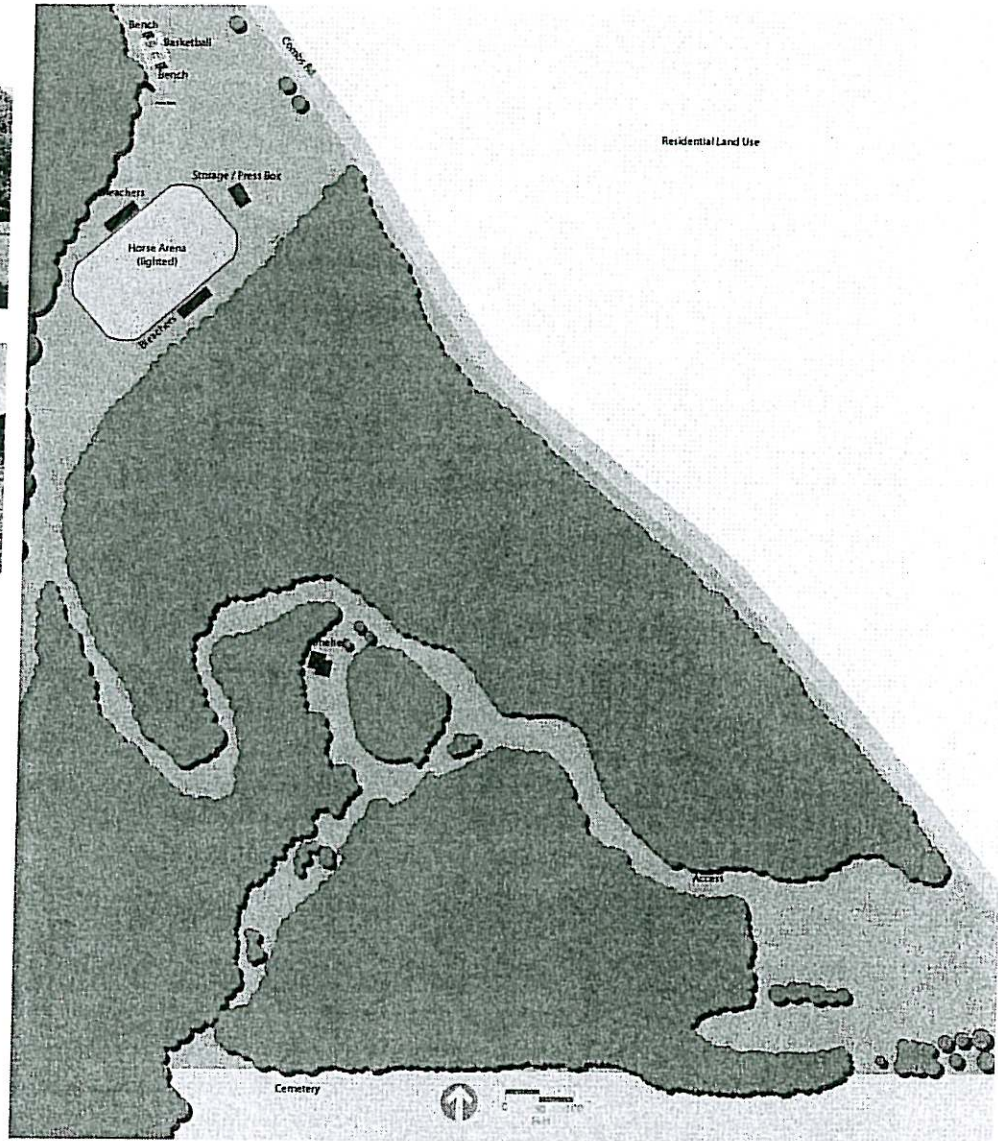
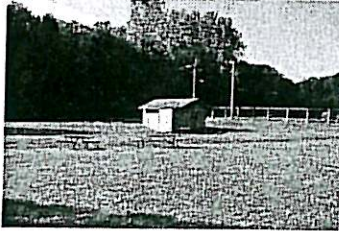
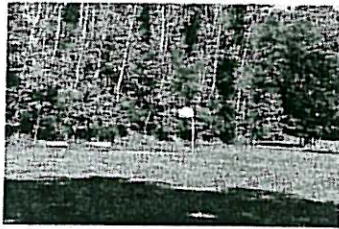
8901 S. 154TH ST
OMAHA, NE 68138-3621
(402) 444-6222
FAX (402) 895-6543
www.papionrd.org

1. DATE: 3/12/09
2. PROJECT NAME: Jewel Park Restrooms
3. PROJECT SPONSOR: City of Bellevue
(Address)
210 W. Mission Avenue
Bellevue NE 68005
4. CONTACT PERSON: Jeff Roberts TITLE: City Engineer
5. TELEPHONE: 293 3030
6. PROJECT LOCATION **: Jewel Park
Bellevue NE
7. DESCRIPTION OF PROJECT **: Construct men & women
restrooms each approx. 200 SF at Jewel
Park. Construction in the fall of 2009.
8. TOTAL ESTIMATED COST: \$ 40,000
9. COST SHARE REQUEST: \$ 20,000
10. SIGNATURE/TITLE: Jeff & Robert PE City Engineer

** Attach additional sheets as necessary.

EXISTING CONDITION

JEWELL PARK



Location: 13th Avenue and Main Street

Acres: 65 Acres

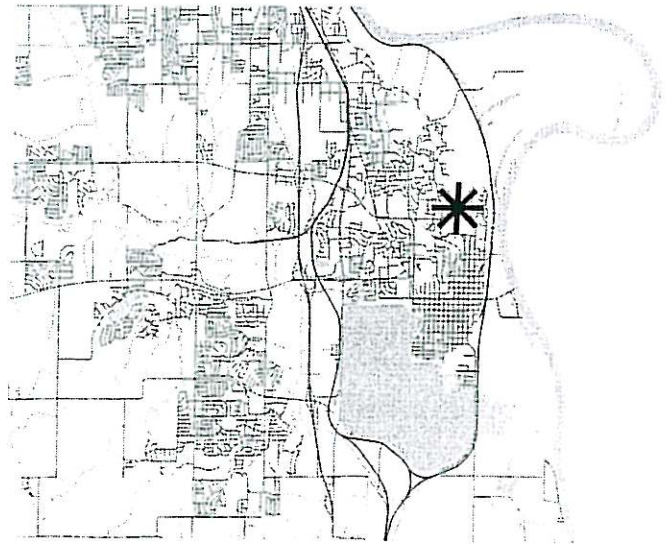
Role: Community Park

Vision: Signature Nature and Passive Use Park

Priority: 3

Existing Park Analysis:

- Bleachers are in poor condition
- Trail has been abandoned and not maintained
- Storage building/press box needs improvement



Jewell Park

Dog Park & Restrooms



PAPIO-MISSOURI RIVER
NATURAL
RESOURCES
DISTRICT



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

Form 17.27 A

RECREATION AREA DEVELOPMENT PROGRAM

APPLICATION FORM

1. DATE: 3/11/09
2. PROJECT NAME: Veteran Memorial Park and Recreation Area
3. PROJECT SPONSOR: City of South Sioux City
(Address)
1615 1st Avenue
South Sioux City, NE 68776
4. CONTACT PERSON: Gene Maffit TITLE: Parks Director
5. TELEPHONE: 402-494-7540
6. PROJECT LOCATION**: 1101 Foundry Road, South Sioux City, Nebraska
7. DESCRIPTION OF PROJECT**: To add 55 acres to our park system for both educational and
recreational benefits. See attached pages for more in depth description.
8. TOTAL ESTIMATED COST: \$ 125,000
9. COST SHARE REQUEST: \$ 50,000
10. SIGNATURE/TITLE: *Sandra L. Smith, Mayor*

** Attach additional sheets as necessary.

CITY OF SOUTH SIOUX CITY

VETERAN MEMORIAL PARK & RECREATION AREA

March , 2009

PROJECT NAME: SOUTH SIOUX CITY VERERAN MEMORIAL PARK & REC AREA

PROJECT SPONSOR: CITY OF SOUTH SIOUX CITY
1615 FIRST AVENUE
SOUTH SIOUX CITY NE 68776 – 2245

CONTACT PERSON: GENE MAFFIT
DIRECTOR OF PARKS

TELEPHONE: 402-494-7540

PROJECT LOCATION: 1101 Foundry Road

PROJECT DESCRIPTION:

The City Of South Sioux is always looking to improve the quality of life for the citizens of our great community. One way is through our fantastic parks system. We are very proud of our parks and are always looking for ways to improve them. We are currently adding 55 acres to our park system and naming it Veteran Memorial and Recreational area. This park will have about 1000 ft. of river front along the mighty Missouri river.

The park will offer many recreational amenities such as ice skating and a splash pad for both summer and winter recreation. The community building offers both public and private events. The amphitheater will have laser light shows. A nine hole Frisbee golf course, dog parks, fishing and hiking. The park will have an arboretum for those of us that enjoy the beauty of trees some 320 trees of 44 different varieties through the entire park not only for us to enjoy but also the birds and other wild life.

The Memorial Interpretive Center will offer educational information to visitors informing them of the history of all 6 branches of the U.S. armed forces.

The City of South Sioux has a building and grounds department that maintains the existing system of parks and trails. City maintenance crews provide pesticide application and also apply any fertilizer where needed. The city crew is in charge of the trees in all of our parks. The City subcontracts the mowing. The benefits of this project have been outlined and the citizens of our city are very excited to see us get started on this most worth while project. On any project of this size it takes a lot of dirt work, seeding and landscaping. We are requesting the sum of \$50,000.00 to make this park a destination place for all of our fine citizens to enjoy for years to come.

COST SHARE REQUESTED:	\$50,000.00
SOUTH SIOUX CITY SHARE:	\$75,000.00
TOTAL ESTIMATED COST:	\$125,000.00

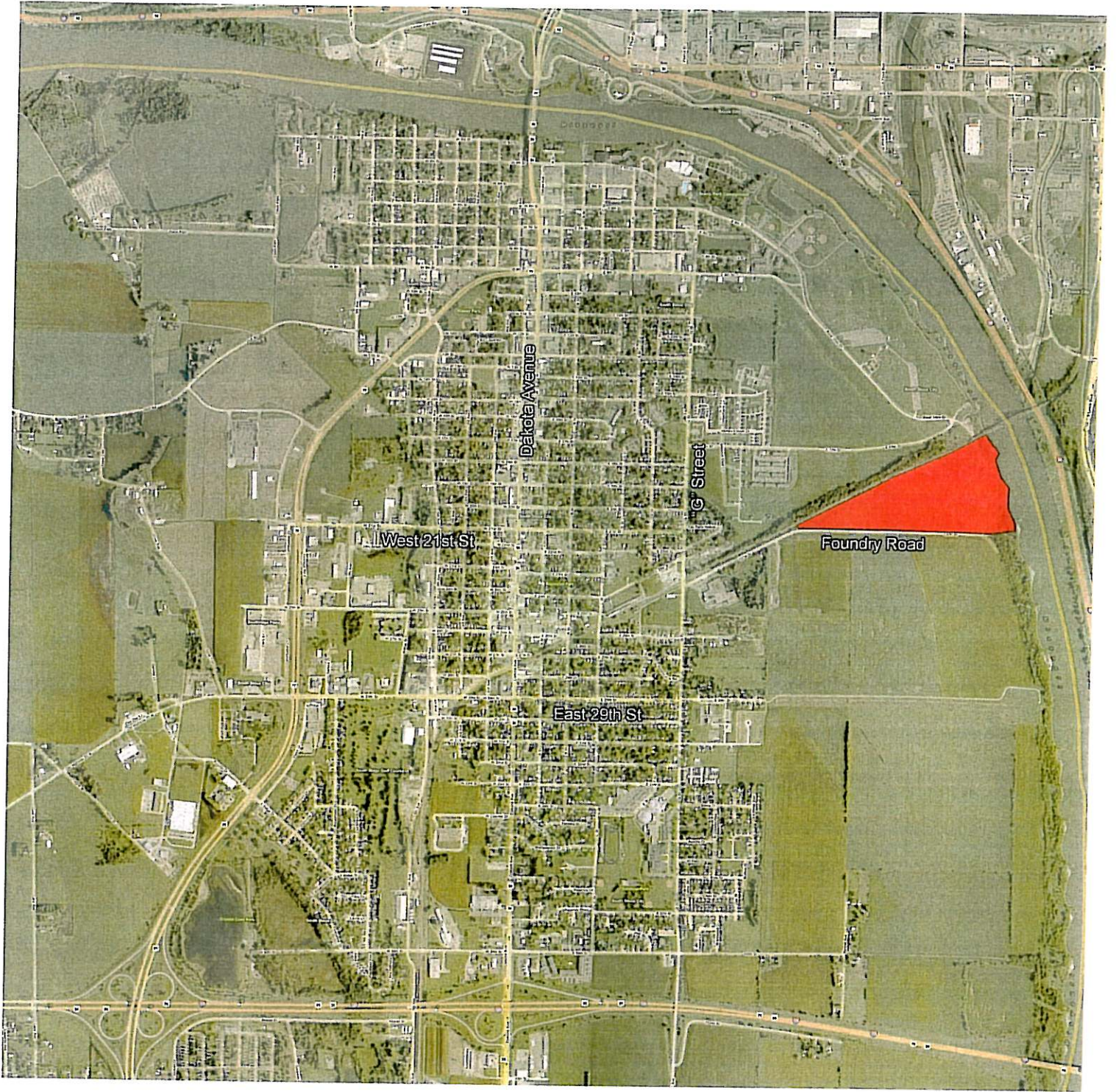
SIGNATURE / TITLE:

A handwritten signature in black ink, appearing to read "Sandra K. Ehrich", written over a horizontal line.

Sandra K. Ehrich, Mayor of South Sioux City, NE

Grading:	\$60,000.00
Seeding:	\$15,500.00
Native grass seeding	\$3,000.00
Trees and other Landscaping:	\$46,500.00

TOTAL: \$125,000.00



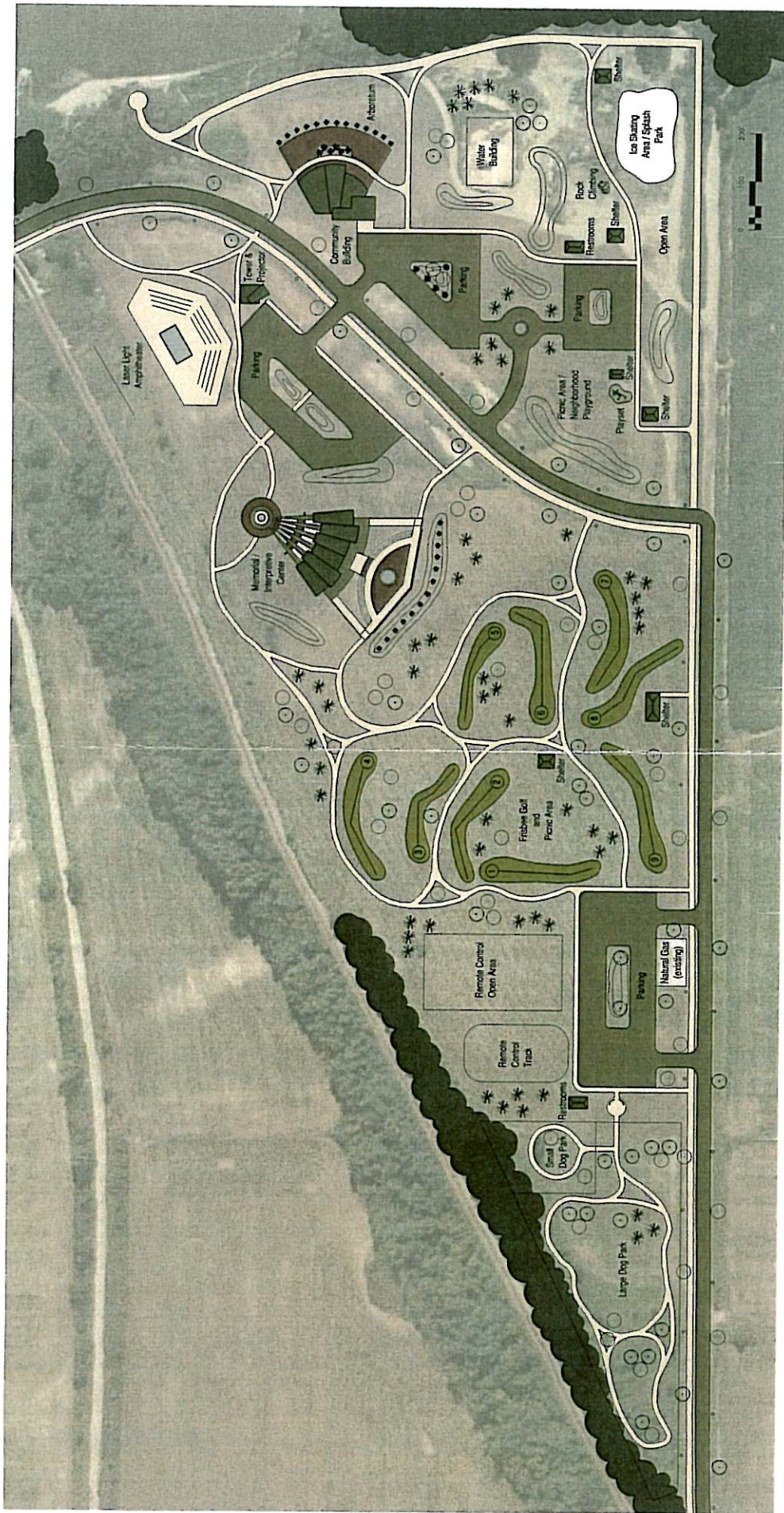
Dakota Avenue

G Street

West 21st St.

East 29th St.

Foundry Road



SITE CONCEPT PLAN

South Sioux City
 Concept 2 Drawing: August 1, 2008

Architecture | Engineering | Planning | Surveying



www.jeo.com | P: 402.435.3080 | F: 402.435.4110

Copyright © 2008 JEO Consulting Group, Inc.

PAPIO-MISSOURI RIVER
NATURAL
RESOURCES
DISTRICT



8901 S. 154TH ST.
OMAHA, NE 68138-3621
(402) 444-6222
FAX (402) 895-6543
www.papionrd.org

URBAN DRAINAGEWAY PROGRAM

SPECIAL PROJECT REQUEST APPLICATION

1. DATE: 3/12/09
2. PROJECT NAME Brown River Bank Rehab
3. PROJECT SPONSOR: City of Bellevue
ADDRESS: 210 West Mission Ave.
Bellevue NE 68005

4. CONTACT PERSON: Jeff Roberts
TITLE: City Engineer
5. TELEPHONE: 293 3030

6. PROJECT LOCATION: Jerry Gilbert Park
Bellevue NE

7. DESCRIPTION OF PROBLEM:

The banks around the culvert intake & outlets are eroding into the park green areas

8. PROPOSED SOLUTION:

protect these areas with gabions and reshape the banks

9. TOTAL ESTIMATED COST: \$ 90,000

10. COST SHARE REQUESTED: \$ 36,000

11. SIGNATURE/TITLE: Jeff Roberts PE City Engineer

City of Bellevue – Gilbert Park Cost Estimate

Gabion Baskets –	400 CY @ \$40.00/CY =	\$16,000
Earthwork -	2400 CY @ \$8.00/CY =	\$19,200
Erosion Matting -	960 SY @ \$5.00/CY =	<u>\$4,800</u>
TOTAL -		\$40,000

This is a detailed street map of La Platte, Missouri. The map shows a dense network of streets, including major roads like Highway 13, Highway 75, and Highway 54. Key locations and neighborhoods labeled include Cornhusker, Raynor, Brook, Samson, Turner, Richwood, Tammy, Kelt, Fairview, and La Platte. The Missouri River is shown flowing through the area, with the Platte River also visible. The map includes various landmarks and features, such as the La Platte River, the Missouri River, and the surrounding area. A small inset map in the upper right corner shows a wider area, including the city of St. Louis and the surrounding region.

Jerry Gilbert Park

Brown River





Form 17.17. A.

URBAN DRAINAGEWAY PROGRAM

APPLICATION

1. DATE: March 10, 2009
2. PROJECT NAME: FOUNDERS PARK DRAINAGE IMPROVEMENTS
3. PROJECT SPONSOR: CITY OF GRETNA
(Address)
204 North McKenna Avenue
Gretna, Nebraska 68028
4. CONTACT PERSON: Steven W. Perry, P.E. TITLE: City Engineer
5. TELEPHONE: 402-399-8552
6. PROJECT LOCATION **: Founders Park located south of Wallace Street &
Aberdeen Street R.O.W.
7. PROPOSED IMPROVEMENTS**: Channel stabilization, ditch grading,
let down grade transitions, and seeding.
8. TOTAL ESTIMATED COST: \$ 40,000
9. COST SHARE REQUEST: \$ 24,000
10. IMPLEMENTATION SCHEDULE: Fall 2009 (See Attached schedule)
11. SIGNATURE/TITLE: Sally L. McGuire
Sally L. McGuire, Mayor

** Attach additional sheets as necessary.

PAPIO-MISSOURI RIVER NATURAL RESOURCES DISTRICT
URBAN CONSERVATION ASSISTANCE PROGRAM
GRETNA, NEBRASKA
OPCE PROJECT NO. 29004-08

DESCRIPTION OF THE PROJECT

The project involves the grading, channel stabilization and re-alignment along with the installation of let-down structures within the drainageway through Founders Park from Wallace Street to Westplains Road. The channel bottom will be lined with erosion control blankets and the entire area seeded.

This project is part of the overall plan to develop and improve the new city park as a day-use area for this area of the community. NRD cost-share funds have been used previously to acquire land and develop Founders Park.

IMPLEMENTATION SCHEDULE

The City has budgeted monies for this project and proposes the following implementation schedule:

Complete Plans and Specifications	July 1, 2009
Review Bids and Award Contracts	August 1, 2009
Complete Construction	October 15, 2009
Project Close Out	November 1, 2009

PROJECT COST ESTIMATE

Construction	\$35,000
• Grading/Excavation/Structures	
• Roadway Culvert/Rip Rap Outlet	
• Erosion Control/Seeding	
• Contingencies	
Engineering/Inspection	4,250
Administration	<u>750</u>
Total Project Cost	<u>\$40,000</u>

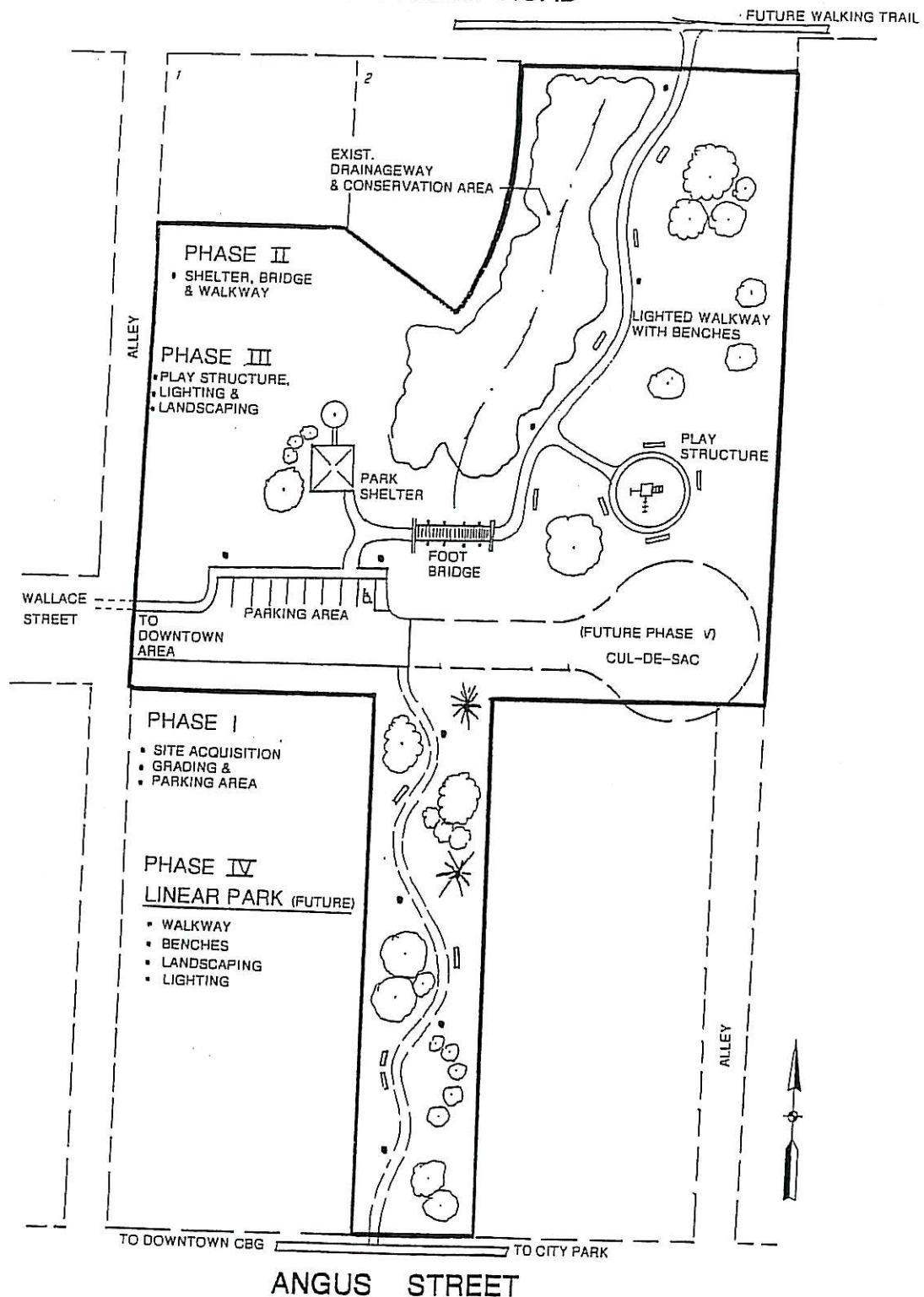
OLMSTED & PERRY CONSULTING ENGINEERS INC.

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

Phone: 402-399-8552

Fax: 402-399-9852

WESTPLAINS ROAD



NEW CITY PARK CONCEPT PLAN

ABERDEEN STREET R.O.W.
GRETHA, NEBRASKA

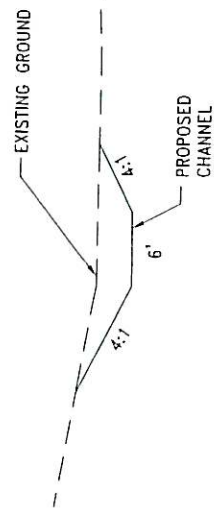
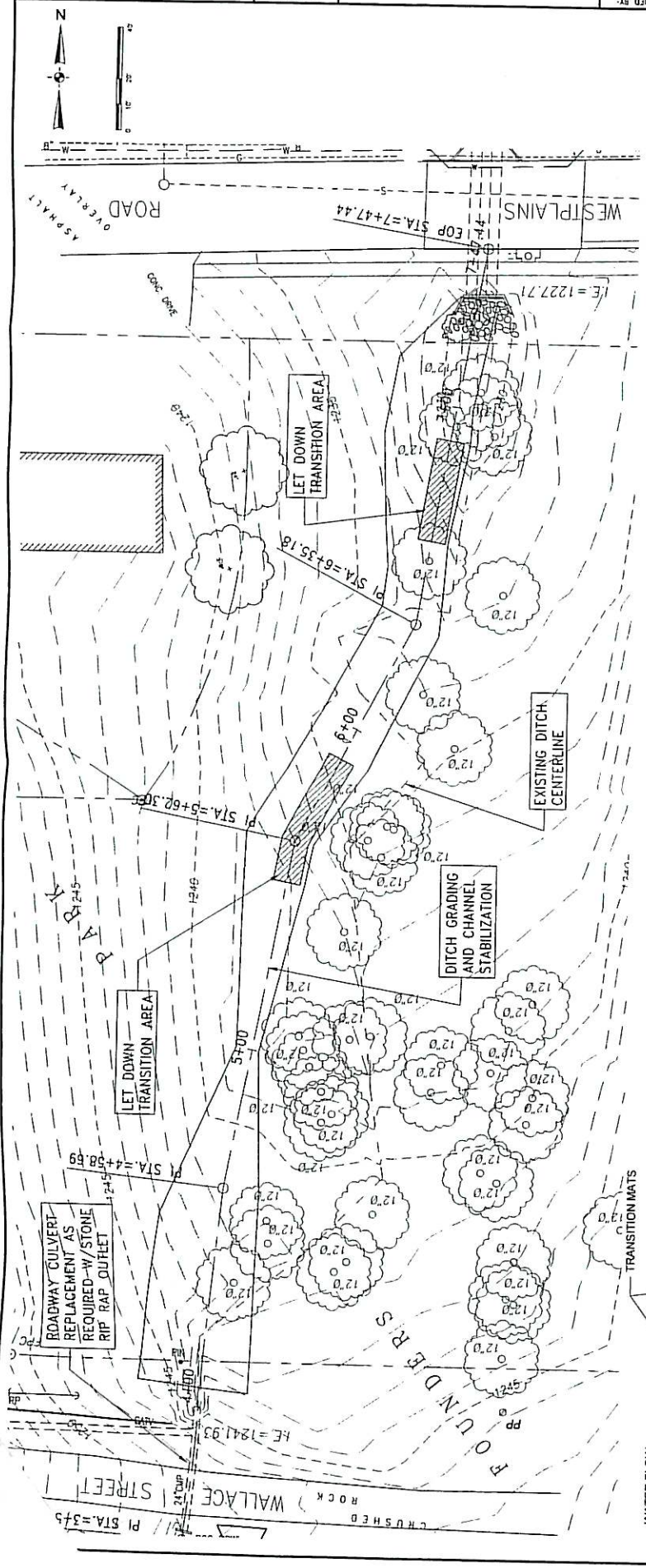
PREPARED BY
OLMSTED & PERRY
CONSULTING ENGINEERS INC.
OPCE PROJECT NO. 22004
MARCH 4, 2002

OLMSTED & PERRY CONSULTING ENGINEERS INC.

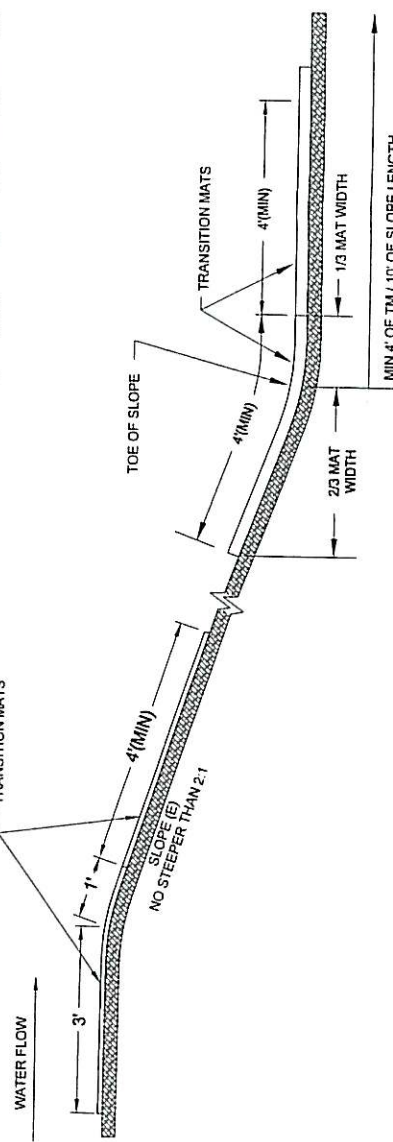
10730 Pacific Street • Suite 232 • Omaha, Nebraska 68114-4700

Phone: 402-399-8552

Fax: 402-399-9852



TYPICAL DITCH SECTION



TYPICAL SCOUR STOP LET DOWN TRANSITION



Form 17.17. A.

URBAN DRAINAGEWAY PROGRAM

APPLICATION

1. DATE: 3/10/09
2. PROJECT NAME: Mission Creek Channel Improvements
3. PROJECT SPONSOR: SID No. 162 - Millard Park c/o Ronald W. Hunter, Attorney
(Address) 11605 Arbor Street, Suite 104
Omaha, NE 68144
4. CONTACT PERSON: Rick Hansen TITLE: SID 162 Board Chairman
5. TELEPHONE: (402) 981 - 0607
6. PROJECT LOCATION **: Mission Creek, from Harrison Street south to the South Papio Creek,
approximately 167th and Harrison Streets, Sarpy County, Nebraska.
7. PROPOSED IMPROVEMENTS **: Weir Structures with revetment to slow channel velocity of
creek channel as well as gabion baskets to provide channel stability in critical areas.
8. TOTAL ESTIMATED COST: \$ 600,840.00
9. COST SHARE REQUEST: \$ 360,500.00
10. IMPLEMENTATION SCHEDULE: Hydraulic structures will be installed in order of priority (see
attached drawing) over the course of several construction seasons, as deemed necessary by the SID board.
11. SIGNATURE/TITLE: Dennis Johnson Operations Manager

** Attach additional sheets as necessary.

MAR 13 2009

SANITARY & IMPROVEMENT DISTRICT NO. 162
MILLARD PARK
MISSION CREEK CHANNEL IMPROVEMENTS
HGM PROJECT NO. 70497

YEARLY PROJECT COST BREAKOUT
March 27, 2009

Year 1: 2009

Priority 1 Total Costs	\$ 105,500.00
SID 162 Obligation (40%)	\$ 42,200.00
Papio NRD Obligation (60%)	\$ 63,300.00

Year 2: 2010

Priority 2 Total Costs	\$ 60,300.00
Priority 3 Total Costs	\$ 62,700.00
Year 2 Total Costs	\$ 123,000.00
SID 162 Obligation (40%)	\$ 49,200.00
Papio NRD Obligation (60%)	\$ 73,800.00

Year 3: 2011

Priority 4 Total Costs	\$ 62,700.00
Priority 5 Total Costs	\$ 64,800.00
Year 3 Total Costs	\$ 127,500.00
SID 162 Obligation (40%)	\$ 51,000.00
Papio NRD Obligation (60%)	\$ 76,500.00

Year 4: 2012

Priority 6 Total Costs	\$ 62,700.00
Priority 7 Total Costs	\$ 103,800.00
Year 4 Total Costs	\$ 166,500.00
SID 162 Obligation (40%)	\$ 66,600.00
Papio NRD Obligation (60%)	\$ 99,900.00

Year 5: 2013

Priority 8 Total Costs	\$ 78,500.00
SID 162 Obligation (40%)	\$ 31,400.00
Papio NRD Obligation (60%)	\$ 47,100.00

SANITARY & IMPROVEMENT DISTRICT NO. 162
MILLARD PARK
MISSION CREEK CHANNEL IMPROVEMENTS
HGM PROJECT NO. 70497

PRELIMINARY OPINION OF PROBABLE PROJECT COSTS
March 10, 2009

Priority #1: Gabion Baskets for Slope Protection				ESTIMATED	UNIT	TOTAL
No.	DESCRIPTION			QUANTITY	COST	COST
1	Clearing and Grubbing	1	LS		\$15,000.00	\$15,000.00
2	Gabion Baskets	1,100	TN		\$50.00	\$55,000.00
3	Permanent Erosion Control Matting	220	SY		\$7.00	\$1,540.00
4	Seeding	0.5	AC		\$2,000.00	\$1,000.00
Priority #1 Subtotal						\$72,540.00
Contingencies (15%)						\$10,881.00
Priority #1 Total Construction Cost						\$83,421.00

Priority #2: Gabion Baskets for Slope Protection				ESTIMATED	UNIT	TOTAL
No.	DESCRIPTION			QUANTITY	COST	COST
1	Clearing and Grubbing	1	LS		\$10,000.00	\$10,000.00
2	Gabion Baskets	590	TN		\$50.00	\$29,500.00
3	Permanent Erosion Control Matting	120	SY		\$7.00	\$840.00
4	Seeding	0.5	AC		\$2,000.00	\$1,000.00
Priority #2 Subtotal						\$41,340.00
Contingencies (15%)						\$6,201.00
Priority #2 Total Construction Cost						\$47,541.00

Priority #3: Weir Structure and Revetment

No.	DESCRIPTION	ESTIMATED QUANTITY		UNIT COST	TOTAL COST
1	Clearing and Grubbing	1	LS	\$10,000.00	\$10,000.00
2	Weir Structure with Rip Rap Revetment	1	EA	\$30,000.00	\$30,000.00
3	Permanent Erosion Control Fabric	300	SY	\$7.00	\$2,100.00
4	Seeding	0.5	AC	\$2,000.00	\$1,000.00

Priority #3 Subtotal **\$43,100.00**

Contingencies (15%) \$6,465.00

Priority #3 Total Construction Cost **\$49,565.00**

Priority #4: Weir Structure and Revetment

No.	DESCRIPTION	ESTIMATED QUANTITY		UNIT COST	TOTAL COST
1	Clearing and Grubbing	1	LS	\$10,000.00	\$10,000.00
2	Weir Structure with Rip Rap Revetment	1	EA	\$30,000.00	\$30,000.00
3	Permanent Erosion Control Fabric	300	SY	\$7.00	\$2,100.00
4	Seeding	0.5	AC	\$2,000.00	\$1,000.00

Priority #4 Subtotal **\$43,100.00**

Contingencies (15%) \$6,465.00

Priority #4 Total Construction Cost **\$49,565.00**

Priority #5: Gabion Baskets for Slope Protection

No.	DESCRIPTION	ESTIMATED QUANTITY		UNIT COST	TOTAL COST
1	Clearing and Grubbing	1	LS	\$15,000.00	\$15,000.00
2	Gabion Baskets	540	TN	\$50.00	\$27,000.00
3	Permanent Erosion Control Matting	220	SY	\$7.00	\$1,540.00
4	Seeding	0.5	AC	\$2,000.00	\$1,000.00

Priority #5 Subtotal **\$44,540.00**

Contingencies (15%) \$6,681.00

Priority #5 Total Construction Cost **\$51,221.00**

Priority #6: Weir Structure and Revetment

No.	DESCRIPTION	ESTIMATED QUANTITY		UNIT COST	TOTAL COST
1	Clearing and Grubbing	1	LS	\$10,000.00	\$10,000.00
2	Weir Structure with Rip Rap Revetment	1	EA	\$30,000.00	\$30,000.00
3	Permanent Erosion Control Fabric	300	SY	\$7.00	\$2,100.00
4	Seeding	0.5	AC	\$2,000.00	\$1,000.00

Priority #6 Subtotal **\$43,100.00**

Contingencies (15%) \$6,465.00

Priority #6 Total Construction Cost **\$49,565.00**

Priority #7: Gabion Baskets for Slope Protection

No.	DESCRIPTION	ESTIMATED QUANTITY		UNIT COST	TOTAL COST
1	Clearing and Grubbing	1	LS	\$15,000.00	\$15,000.00
2	Gabion Baskets	850	TN	\$50.00	\$42,500.00
3	Permanent Erosion Control Matting	1,700	SY	\$7.00	\$11,900.00
4	Seeding	1.0	AC	\$2,000.00	\$2,000.00

Priority #7 Subtotal **\$71,400.00**

Contingencies (15%) **\$10,710.00**

Priority #7 Total Construction Cost **\$82,110.00**

Priority #8: Weir Structure and Revetment

No.	DESCRIPTION	ESTIMATED QUANTITY		UNIT COST	TOTAL COST
1	Clearing and Grubbing	1	LS	\$10,000.00	\$10,000.00
2	Weir Structure with Rip Rap Revetment	1	EA	\$30,000.00	\$30,000.00
3	Permanent Erosion Control Fabric	1,700	SY	\$7.00	\$11,900.00
4	Seeding	1.0	AC	\$2,000.00	\$2,000.00

Priority #8 Subtotal **\$53,900.00**

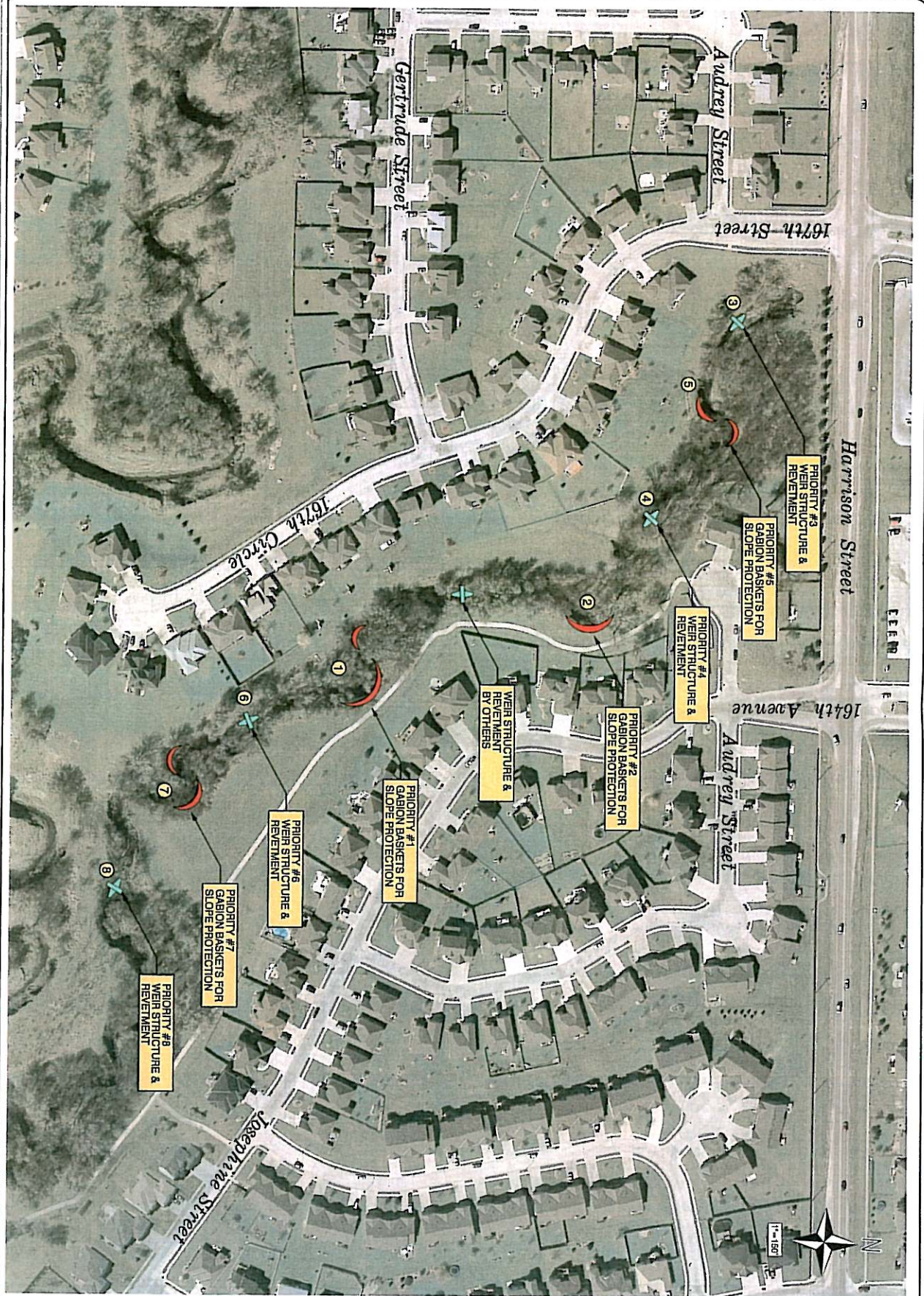
Contingencies (15%) **\$8,085.00**

Priority #8 Total Construction Cost **\$61,985.00**

OVERALL TOTAL CONSTRUCTION COST **\$474,973.00**

ESTIMATED ENGINEERING, LEGAL, PUBLICATION AND TESTING FEES **\$125,867.00**

TOTAL PROJECT COST **\$600,840.00**

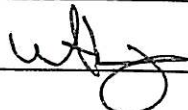


project no 70497 sheet 1	project MISSION CREEK CHANNEL IMPROVEMENTS client S.I.D. 162 - MILLARD PARK sheet Concept Drawing	J.L.K. drawn B.M.D. designed B.M.D. approved MAR '09 date	hgm ASSOCIATES INC. ENGINEERING ARCHITECTURE SURVEYING council bluffs omaha	This drawing is being made available for your reference only. It is not to be used for any other purpose without the written consent of HGM Associates Inc. HGM Associates Inc. assumes no liability for any use of this drawing or any part thereof except in accordance with the terms of the design agreement.
---	--	--	---	---

PAPIO-MISSOURI RIVER
NATURAL
RESOURCES
DISTRICT8901 S. 154th ST.
OMAHA, NE 68138-3621
(402) 444-6222
FAX (402) 895-6543

Form 17.17.A.

URBAN DRAINAGEWAY PROGRAMAPPLICATION

1. DATE: March 10, 2009.
2. PROJECT NAME: Tara Hills Channel Stabilization
3. PROJECT SPONSOR: City of Papillion
(Address) 122 East Third Street
Papillion, NE 68046
4. CONTACT PERSON: Marty Leming TITLE: Public Works Director
5. TELEPHONE: 402-597-2044.
6. PROJECT LOCATION ** : Along southeast edge of Tara Hills Golf Course
from Shillaelagh Road to Cary Street
7. PROPOSED IMPROVEMENTS ** : See attached
8. TOTAL ESTIMATED COST: \$ 478,270.
9. COST SHARE REQUEST: \$ 286,962.
10. IMPLEMENTATION SCHEDULE: See attached implementation schedule
11. SIGNATURE/TITLE:  DIRECTOR OF PUBLIC WORKS

** Attach additional sheets as necessary.

PROPOSED IMPROVEMENTS: The proposed improvements include grading of existing slopes to create gentler, more maintainable slopes that are less susceptible to erosion. The existing channel is lined with gabion baskets that have been “demolished” over time and no longer provide protection against erosion. This project will remove these structures and include the installation of grade control structures. These structures will be installed at various points along the channel in order to reduce the slope of the channel. The grade control structures will be comprised of galvanized, metal sheet-piling that will be placed across the channel at a design elevation that reduces channel slope and results in a drop of between 1 to 2'. Small riprap basins will be installed immediately downstream of these structure.

All channel slopes will be re-seeded and covered with a permanent turf reinforcement mat (North American Green P550 or equal) to provide erosion protection previously offered by gabion baskets. All other areas that are disturbed by construction will be covered with a temporary (12 to 18 month) TRM. Coconut Coirlogs will be constructed along the base of the slope, on the edge of the channel, to help define and stabilize the channel banks.

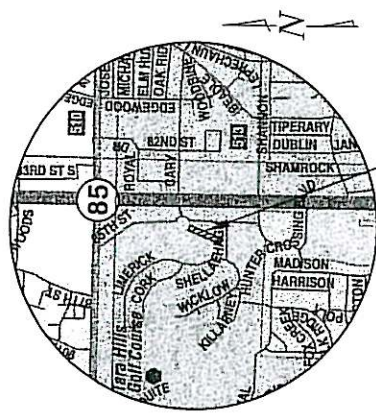
At a few location along the channel there are existing storm sewer pipe outlets that are discharging into the channel. As part of this project we proposed to install either riprap or “scourstop” (or equal) energy dissipation/erosion control structures to protect the channel and channel. Riprap will only be used in instances where velocities are too great for the use of “alternative” methods of erosion protection.

The channel slope, immediately east of the Senior Center parking lot, is experiencing significant erosion and is threatening the stability of the adjacent parking area. Therefore, a concrete curb & gutter is proposed, along the east edge of the parking lot, to direct pavement run-off away from the channel slope and into a new area inlet. Parking lot run-off will be directed into a grass swale, then into the inlet where it will then be discharged at the bottom of the channel instead of along the top of the slope.

Existing storm sewer outlets (flared end sections) have become disconnected due to erosion around and at the end of the discharging pipe. As part of this project these pipe ends will be re-installed and securely anchored to prevent future dislocation.

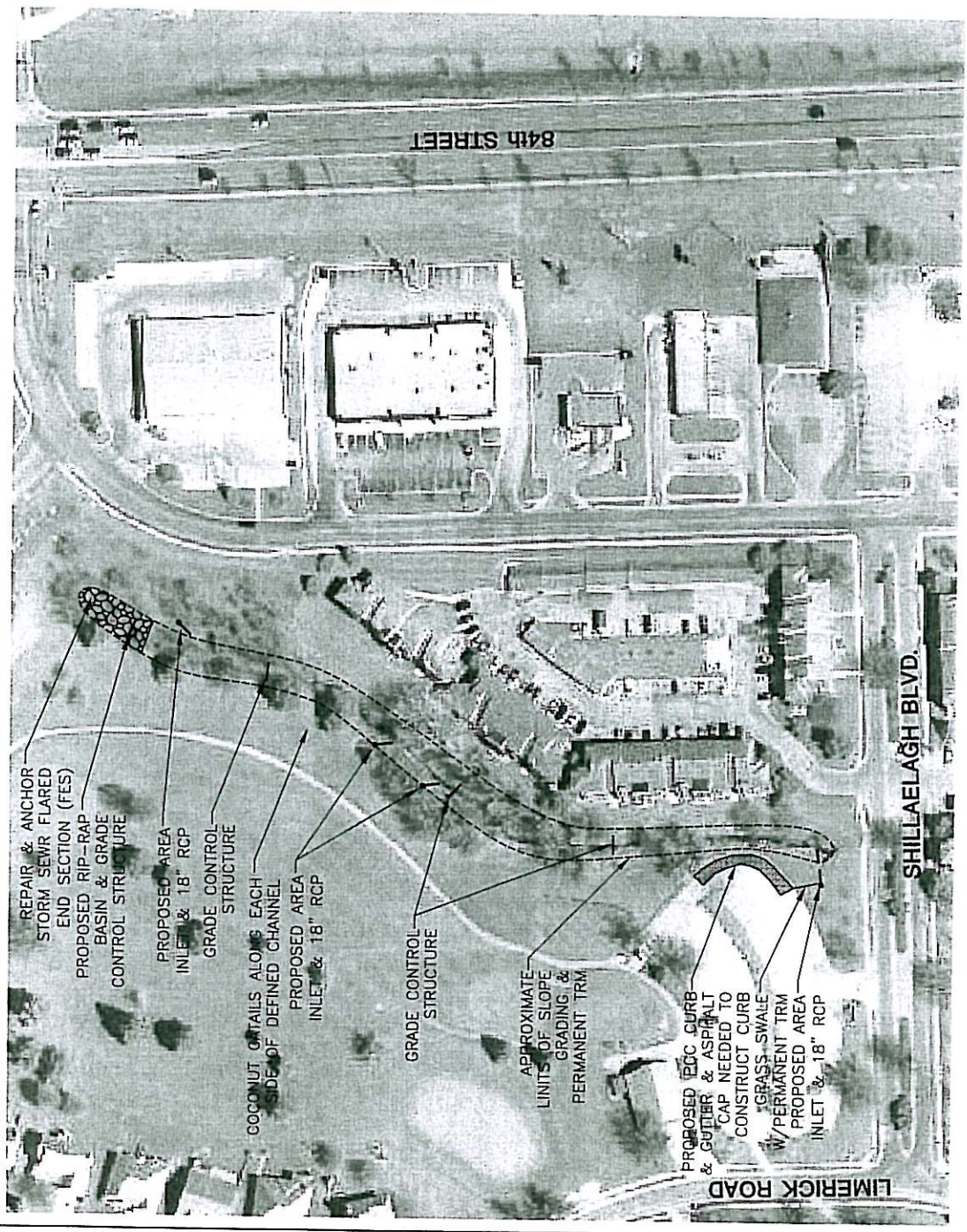
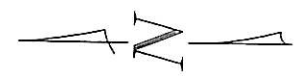
TARA HILLS CHANNEL STABILIZATION
North of Shillaelagh Road
ESTIMATE OF PROBABLE CONSTRUCTION COSTS
March 10, 2009

Item	Description	Approx. Quantities	Unit Price	Amount
1	Traffic Control	1 LS	\$2,000.00 / LS	\$2,000.00
2	Clearing & Grubbing	1 LS	\$30,000.00 / LS	\$30,000.00
3	Common Excavation	2,500 CY	\$6.00 / CY	\$15,000.00
4	Topsoil (2,100 CY moved twice)	4,200 CY	\$4.00 / CY	\$16,800.00
5	Type "C" Riprap w/ geotextile fabric, in place	2,000 TON	\$45.00 / TON	\$90,000.00
6	Repair 12" - 21" FES and install pipe anchor/ties	2 EA.	\$750.00 / EA.	\$1,500.00
7	Repair 24" - 42" FES and install pipe anchor/ties	2 EA.	\$2,500.00 / EA.	\$5,000.00
8	Galvanized Steel Sheet Piling w/ Cap, in place	180 L.F.	\$300.00 / L.F.	\$54,000.00
9	Provide, Install & Maintain 42" High Flow Rate Silt Fence, in place	2,000 L.F.	\$3.00 / L.F.	\$6,000.00
10	Construct & Maintain Stabilized Construction Entrance	2 EA.	\$2,000.00 / EA.	\$4,000.00
11	Construct, Maintain & Remove Diversion Berms	1,600 L.F.	\$5.00 / L.F.	\$8,000.00
12	Remove & Dispose of Silt Fence	2,000 L.F.	\$1.00 / L.F.	\$2,000.00
13	Seeding & Fertilizing	2.0 AC	\$2,500.00 / AC	\$5,000.00
14	Provide & Install Temporary Erosion Control Blanket (N.A.G. S75 or equal), in place	6,250 SY	\$1.80 / SY	\$11,250.00
15	Provide & Install Permanent Erosion Control Blanket (N.A.G. P550 or equal), in place	3,500 SY	\$12.00 / SY	\$42,000.00
16	Provide, Install & Maintain Triangular Silt Dike (if required), in place	100 L.F.	\$10.00 / L.F.	\$1,000.00
17	Construct Concrete Curb & Gutter	150 L.F.	\$18.00 / L.F.	\$2,700.00
18	Remove Asphalt Concrete Pavement	100 SY	\$6.00 / SY	\$600.00
19	Construct 8" Asphalt Concrete Pavement	50 TON	\$80.00 / TON	\$4,000.00
20	Provide & Install Type II Area Inlet, in place	5 EA.	\$2,500.00 / EA.	\$12,500.00
21	Provide & Install 18" RCP w/Bedding, in place	150 L.F.	\$25.00 / L.F.	\$3,750.00
22	Provide & Install "Scourstop" @ Pipe outlet, in place	700 SF	\$15.00 / SF	\$10,500.00
23	Provide & Install 12" Coconut Coirlog	1,600 LF	\$20.00 / LF	\$32,000.00
ESTIMATED CONSTRUCTION COST =				\$359,600.00
ENGINEERING, OBSERVATION & TESTING =				\$64,730.00
CONTINGENCY (15%) =				\$53,940.00
TOTAL ESTIMATED PROBABLE CONSTRUCTION COSTS =				\$478,270.00



VICINITY MAP
PROJECT LOCATION

TRM = TURF REINFORCEMENT MAT





URBAN DRAINAGEWAY PROGRAM

SPECIAL PROJECT REQUEST APPLICATION

1. DATE: March 10, 2009

2. PROJECT NAME Settler's Creek Channel Stabilization – Shady Tree Lane to 72nd Street

3. PROJECT SPONSOR: City of Papillion

ADDRESS: 122 East 3rd Street

Papillion, Ne 68046

4. CONTACT PERSON: Marty Leming

TITLE: Public Works Director

5. TELEPHONE: 402-597-2044

6. PROJECT LOCATION:

Along the south side of Centennial Road between Shady Tree Lane and 72nd Street in Papillion, Ne.

7. DESCRIPTION OF PROBLEM:

Channel and bank erosion.

8. PROPOSED SOLUTION:

SEE ATTACHED

9. TOTAL ESTIMATED COST: \$43,270

10. COST SHARE REQUESTED: \$25,962

11. SIGNATURE/TITLE:

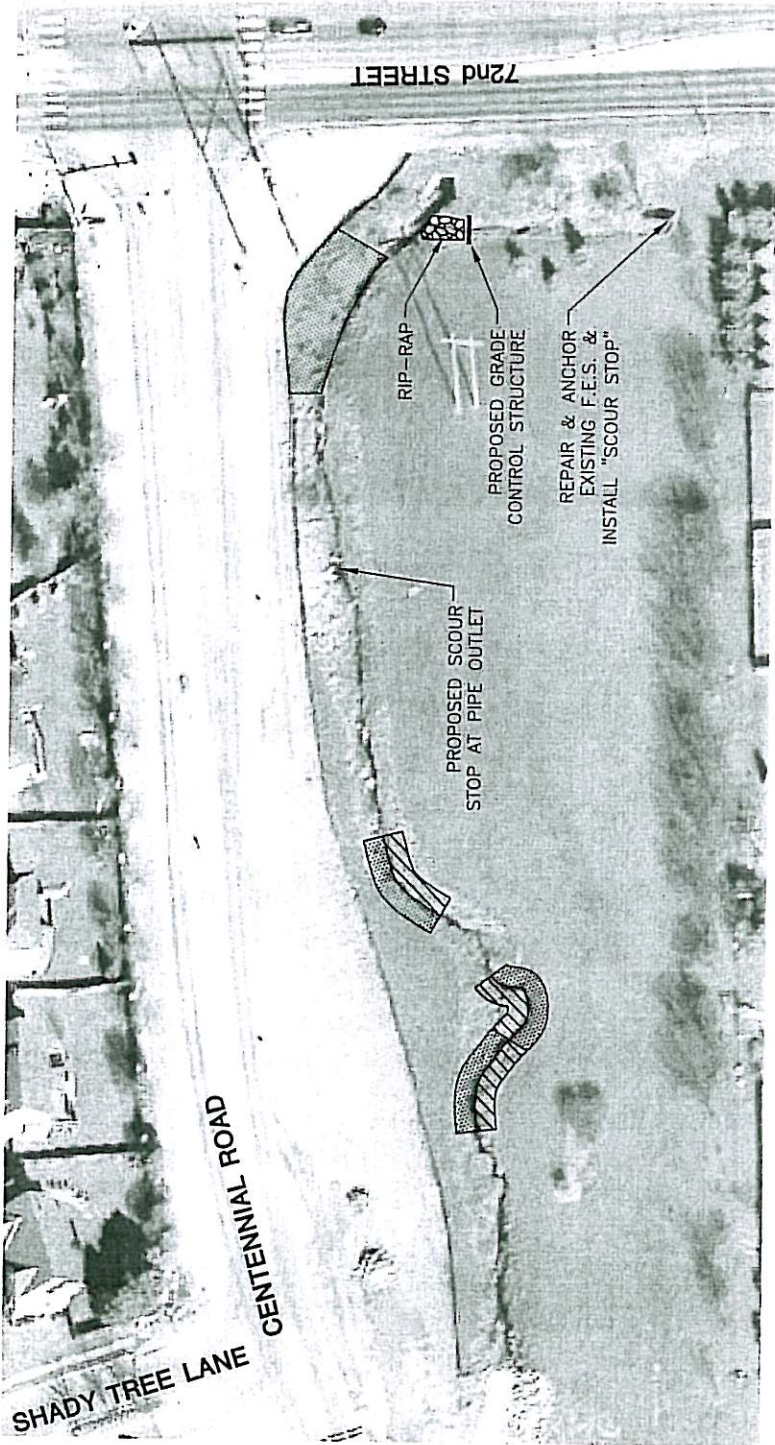
A handwritten signature in black ink, appearing to be "W. H. J.", is written over a horizontal line. To the right of the signature, the title "DIRECTOR OF PUBLIC WORKS" is written in a cursive, handwritten style.

PROPOSED IMPROVEMENTS: The proposed improvements include grading of existing slopes at specific locations where significant alignment changes occur in channel and where erosion is evident. Other grading improvements will be performed on north side of channel near 72nd Street where erosion is threatening to impact existing overhead power transmission lines. Slopes that are graded will be revegetated (seeded) and covered with a permanent turf reinforcement mat (TRM) to help maintain slope stability. All other areas disturbed by construction will have temporary TRM installed over seeding to provide vegetation the opportunity to become established.

The south channel will have a grade control structure constructed in order to reduce channel slope and velocity and restore the channel more closely to its original intent of being a grass swale.

SETTLER'S CREEK RESTORATION
Shady Tree Lane to 72nd Street
ESTIMATE OF PROBABLE CONSTRUCTION COSTS
March 10, 2009

Item	Description	Approx. Quantities	Unit Price	Amount
1	Clearing & Grubbing	1 LS	\$2,006.00 / LS	\$2,006.00
2	Common Excavation	625 CY	\$5.00 / CY	\$3,125.00
3	Topsoil (430 CY moved twice)	860 CY	\$3.00 / CY	\$2,580.00
4	Type "C" Riprap w/ geotextile fabric, in place	25 TON	\$45.00 / TON	\$1,125.00
5	Repair 12" - 21" FES and install pipe anchor/ties	1 EA.	\$750.00 / EA.	\$750.00
6	Galvanized Steel Sheet Piling w/ Cap, in place	12 L.F.	\$250.00 / L.F.	\$3,000.00
7	Provide, Install & Maintain 42" High Flow Rate Silt Fence, in place	660 L.F.	\$3.00 / L.F.	\$1,980.00
8	Construct & Maintain Stabilized Construction Entrance	1 EA.	\$2,000.00 / EA.	\$2,000.00
9	Remove & Dispose of Silt Fence	660 L.F.	\$1.00 / L.F.	\$660.00
10	Seeding & Fertilizing	1.0 AC	\$2,500.00 / AC	\$2,500.00
11	Provide & Install Temporary Erosion Control Blanket (N.A.G. S75 or equal), in place	4,230 SY	\$1.80 / SY	\$7,614.00
12	Provide & Install Permanent Erosion Control Blanket (N.A.G. P550 or equal), in place	610 SY	\$8.00 / SY	\$4,880.00
13	Adjust Existing Manhole to Grade, complete	1 EA.	\$300.00 / EA.	\$300.00
14	Provide & Install "Scourstop" @ Pipe outlet, in place	64 SF	\$20.00 / SF	\$1,280.00
ESTIMATED CONSTRUCTION COST =				\$33,800.00
ENGINEERING, OBSERVATION & TESTING =				\$6,090.00
CONTINGENCY (10%) =				\$3,380.00
TOTAL ESTIMATED PROBABLE CONSTRUCTION COSTS =				\$43,270.00

181-533

URBAN CONSERVATION ASSISTANCE PROGRAM

SPECIAL PROJECT REQUEST APPLICATION

1. Date: March 18, 2009
2. Project Name: Wetland Rehabilitation
3. Project Sponsor: Millard West High School
Address: 5710 S. 176th Avenue
City/State/Zip Omaha, NE 68135
4. Contact Person: Earlene Uhrig Title: Science Teacher
5. Telephone: (402) 715-6000
6. Project Location: Millard West High School Campus
7. Description of Problem: * The wetland at Millard West is degraded. It has become overgrown by cattails due to past sedimentation. It holds less than 12" of water and dries out frequently. The deterioration of the wetland has disrupted the balance of life and the habitat for amphibians and reptiles is in jeopardy.
8. Proposed Solution: * The silt and cattails will be removed and the water depth increased from one foot to three feet. The habitat will be restored to support wildlife associated with the wetland and to make the wetland more self-sustaining. As a living laboratory, the wetland will educate numerous students regarding water and resource use.
9. Total Estimated Cost: \$51,535

10. Cost Share Request: ~~\$19,036~~ 18,969 CBS

11. Signature/Title: *[Signature]* Principal
[Signature] Assoc. Supt

- Attach additional sheets as necessary.

Opinion of Probable Construction Costs

Millard West Wetland Rehabilitation

Omaha, Nebraska

Design Firm: Big Muddy Workshop, Inc.

March 16, 2009

Project Number: #0540

Filename: Concept_Cost_Opinion_03-16-09.xls

ITEM	QTY.	UNIT	UNIT COST	ITEM TOTAL
Tree protection fence	310	LF	\$3.50	\$1,085
Silt fence	120	LF	\$4.00	\$480
Tree removal - 3"-6" dia. trees	6	EA	\$25.00	\$150
Strip and stockpile topsoil	71	CY	\$2.00	\$142
Excavation of soil/rock (former access road)	36	CY	\$10.00	\$360
Load and haul of soil/rock mixture off site	36	CY	\$12.00	\$432
Till former roadbed	322	SY	\$0.65	\$209
Rough grading - area west of wetland	90	CY	\$6.00	\$540
Dewater wetland	1	Allow	\$200.00	\$200
Wetland excavation	142	CY	\$12.00	\$1,704
Load and haul excess wetland soil off site	142	CY	\$12.00	\$1,704
Wetland bottom overexcavation and recompaction	330	CY	\$10.00	\$3,300
Topsoil placement	283	SY	\$0.50	\$142
Erosion control blanket - all disturbed areas	655	SY	\$2.25	\$1,474
Erosion control blanket - along wetland edge - 6' width	173	SY	\$2.50	\$433
Subgrade preparation	145	SY	\$2.00	\$290
Concrete walk	250	SF	\$4.00	\$1,000
Concrete pavement for west tables	545	SF	\$4.00	\$2,180
Concrete pads for east tables - 8' x 10' each	3	EA	\$320.00	\$960
Work table (two in project; 6 total in future)	2	EA	\$850.00	\$1,700
Three-rail wooden fence	376	LF	\$10.00	\$3,760
Rain garden - 400 SF	1	Allow	\$8,500.00	\$8,500
Native grass seeding	0.40	AC	\$2,000.00	\$800
Turf grass seeding	377	SY	\$0.75	\$283
SUBTOTAL CONSTRUCTION COSTS				\$31,827
Project Contingency - 20%				\$6,631
Bond Fee - 1.5%				\$577
DD's, CD's & CA				\$12,500
TOTAL COSTS				\$51,535

Costs Associated with Raingarden Construction
(cost shared under Stormwater BMP Program)

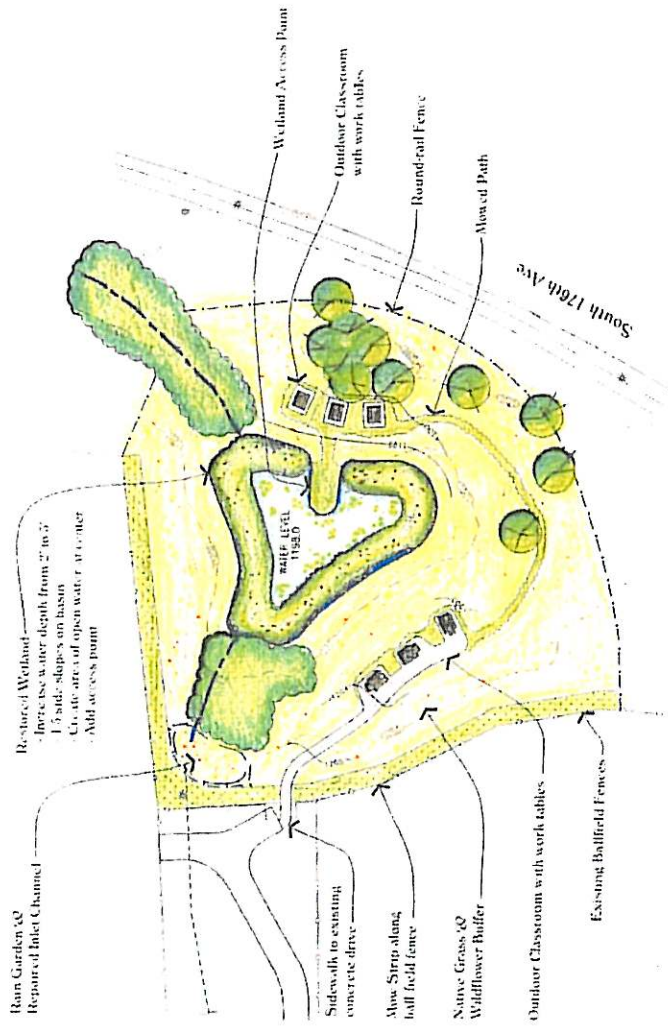
19,920

\$ 31,615

60% cost share

\$18,969

CB



Concept Design

Millard West HS Wetland Rehabilitation

Omaha, Nebraska

URBAN CONSERVATION ASSISTANCE PROGRAM

SPECIAL PROJECT REQUEST APPLICATION

1. Date: March 16, 2009.
2. Project Name: Northwest Corner 72 and West Center Road Erosion
3. Project Sponsor: City of Omaha – Public Works

Address: 1819 Farnam Street, Suite 600

City/State/Zip Omaha, Nebraska 68183
4. Contact Person: Timothy Papstein, P.E. Title: Engineer II - Design
5. Telephone: 402-444-3590
6. Project Location: Northwest Corner of Intersection of West Center Road and 72nd Street in Omaha, Nebraska – Area between on and off ramp north of West Center and West of 72nd Street.
7. Description of Problem: * Discharge from existing 15" ID and 18" I.D. Storm Sewer Pipe near the top of the slope has caused erosion along the slope between the discharge points and an area inlet located on the eastern side of the area.
8. Proposed Solution: * The existing pipes will be extended farther down the slope using double broken back culvert. Riprap energy dissipation will be placed at the discharge location of each pipe. A 10 foot wide (bottom) channel will be graded to direct the discharge from the pipes to the area inlet. The graded channel and all

disturbed areas will be seeded and lined with erosion control blanket.

9. Total Estimated Cost: \$22,315.00.

10. Cost Share Request: \$13,389.00

11. Signature/Title: Rick R Pflf Design Engrs.

- Attach additional sheets as necessary.

See Attached Plan

FORM 17.0.B

72nd Street and West Center Road Erosion

Item No	Item Description	Quantity	Units	Unit Price	Sub Total
1	Mobilization	1	LS	\$ 1,000.00	\$ 1,000.00
2	Topsoil Removal and Stockpile	480	C.Y.	\$ 1.00	\$ 480.00
3	Topsoil Placement	480	C.Y.	\$ 1.50	\$ 720.00
4	Common Excavation	1000	CY	\$ 2.50	\$ 2,500.00
5	Remove and Reuse 15" I.D. RCP Storm Sewer	15	LF	\$ 15.00	\$ 225.00
6	Remove and Reuse 18" I.D. RCP Storm Sewer	12	LF	\$ 15.00	\$ 180.00
7	Remove and Relocate 15" I.D. RCP Flared End	1	EA	\$ 50.00	\$ 50.00
8	Remove and Relocate 18" I.D. RCP Flared End	1	EA	\$ 50.00	\$ 50.00
9	Construct 15" I.D. RCP; Class III with pipe couplers	45	LF	\$ 40.00	\$ 1,800.00
10	Construct 18" I.D. RCP; Class III with pipe couplers	16	LF	\$ 45.00	\$ 720.00
11	Construct 15" I.D. RCP; Class III	66	LF	\$ 30.00	\$ 1,980.00
12	Construct 18" I.D. RCP; Class III	22	LF	\$ 35.00	\$ 770.00
13	Construct 15" I.D. RCP; Class III 18° Precast Bend	2	EA	\$ 300.00	\$ 600.00
14	Construct 18" I.D. RCP; Class III 18° Precast Bend	2	EA	\$ 350.00	\$ 700.00
15	Riprap Filter Fabric, in place	70	SY	\$ 2.00	\$ 140.00
16	Construct Rock Riprap - Type "B"	75	Tons	\$ 30.00	\$ 2,250.00
17	Seeding, Type "B", in place	0.6	Acres	\$ 1,500.00	\$ 900.00
18	Erosion Control Blanket, ECB 150, in place	2900	SY	\$ 2.50	\$ 7,250.00
19	Construct 54" I.D. Flat Top Storm Sewer Manhole	5	VF	\$ 300.00	\$ 1,500.00
Total					\$ 22,315.00

Douglas County-Omaha, NE



Disclaimer: Map and parcel data are believed to be accurate, but accuracy is not guaranteed. This is not a legal document and should not be substituted for a title search, appraisal, survey, or for zoning verification.

Map Scale
1 inch = 294 feet