



General Manager's Report

MEMORANDUM to the Board

John Winkler, General Manager

September 5, 2024

A. INFORMATION/EDUCATION HIGHLIGHTS:

We have a new Papio NRD team member! Austen Hill and his wife Lyz welcomed their first baby on August 5th: Callum Ross Hill. He entered the world at 7 lbs., 2 oz. and was 20.5" long. No doubt he has grown like a weed since then. Congratulations Austen!

B. PERSONNEL/MISCELLANEOUS ITEMS:

1. After 46 remarkable years here at the Papio NRD, Martin Cleveland has announced he will retire on January 3rd. Martin has had a profound impact on the District's flood mitigation infrastructure, designing and maintaining 100+ levees and 90 miles of dams throughout the watershed...and so much more. We cannot thank Martin enough for his loyalty, dedication and contributions to our community and the District. His many projects will benefit citizens for decades. Few people are fortunate enough to leave that kind of legacy. Martin says his retirement plans are "TBD." We hope it includes some much-deserved relaxation.
2. The Papio NRD welcomes two new hires: Kaleb Kinzie was hired July 15 as the District's Water Supply Operator in Thurston County and Andy Miller was hired on August 26 as the District's Medium Equipment Operator.

C. CURRENT AND ON-GOING PROJECTS – PAPIO NRD LEGAL COUNSEL: A copy of current and on-going projects for District Legal Counsel, Husch Blackwell, as of August 23 is attached for your review.

D. PAPILLION CREEK WATERSHED PARTNERSHIP REPORT: The PCWP meeting was held on August 22. Meeting minutes are attached. The next scheduled meeting is TBD.

E. SOUTHERN SARPY WATERSHEDS PARTNERSHIP REPORT: The SSWP meeting was held on August 1st. Meeting minutes are attached. The next scheduled meeting is September 5.



PAPIO
MISSOURI RIVER
NATURAL RESOURCES DISTRICT

INFORMATION AND EDUCATION REPORT

AUGUST 2024

WELCOME BABY CALLUM!



We have a new Papiro NRD team member! Austen Hill and his wife Lyz welcomed their first baby on August 5th: Callum Ross Hill. He entered the world at 7 lbs., 2 oz. and was 20.5" long. No doubt he has grown like a weed since then. Congratulations Austen!

Report on Purchases
Construction Services, Professional Services, Personal Property

August 2024

Date	Project Name	Item / Task	Company	Cost
August 6, 2024	Danish Alps SRA	Rip Rap Shoreline Protection	Nebraska Game & Parks Reimbursement	\$15,873.60
August 23, 2024	Dam Site 7 Demo	Demolition of farmstead buildings including abatement of asbestos at District owned property for the Dam Site 7 project.	Pruss Excavation	\$56,992



Meeting Minutes
August 22, 2024
Via Zoom

Attendees: Ian Ghanavati, Amanda Grint, Lori Laster-Papio NRD; Jim Kee, Robert Laroco, Andy Szatko, Erick Dickes, Katie Swanson, Selma Kessler, Derek Miller-City of Omaha; Pat Dowse, Chris Solberg-City of La Vista; Shanee Adekunle, Dave Goedeken-City of Bellevue; Kelly Jeck-Sarpy County; Travis Gibbons-City of Papillion; Greg Dittmer-City of Ralston; Stacy Gillman-Douglas County; Sara Mechtenberg, Mike Sotak-Houston Engineering; Molly Hanson-RDG; Matt Hubel-Schemmer; Matt Turco-Offut Air Force Base; Aaron Hirsh-Embris.

The meeting began at 10:01 am.

1. Introductions
 - a. Lori Laster (Papio NRD) facilitated introductions.
2. Final Presentation of 2024 Watershed Management Plan Update
 - a. Lori Laster and Sara Mechtenberg reviewed the plan document prepared by Houston Engineering and RDG. See attached PowerPoint.
 - b. Jim Kee asked as to why the report didn't mention the stream degradation problem faced by the communities in the watershed. Omaha has expressed an interest in trying to find a funding mechanism to address stream repair or rehabilitation projects.
 - c. Lori explained that it wasn't included at this time because there was no desire to raise or add additional fees. The original structural projects were supposed to be partially funded by the watershed fees. Because there is a delay in how fees are collected versus the amount expended by the Papio NRD for the structural projects, we wouldn't be able to redirect watershed fees at this time.
 - d. Lori also mentioned that policy updates were also not supported however, there was a need to finalize the interlocal agreement for continuation of the Partnership to make sure that all of the shared elements of the Stormwater Management Plan for the MS4 permitted communities could continue. There is still work to be done regarding stream degradation issues and this will continue with the hope of a revised interlocal agreement in 2-3 years rather than waiting the full five years.



- e. An advisory group consisting of members of the Partnership, MOBA, and others will be formed later this year to begin to address some of these issues.
 - f. The Papiio NRD and Houston/RDG will revise the report to include more discussion on this topic and some potential next steps.
3. Website Progress
 - a. Lori Laster gave a live demonstration of the new Partnership website. Site pages have been rearranged to more clearly categorize which pages are for educational purposes, which are for developers/designers/contractors, and which are general information.
 - b. Additionally, a project status page has been added to show the status of all of the structural watershed projects. Users can search by using an interactive map or can select a project name and they will be directed to a status page for that project. <https://papiopartnership.org/projects/>
 4. Other Items of Interest
 - a. World O! Water will be held at Chalco Hills Recreation Area on September 7 from 12 pm to 4 pm.
 5. Next Meeting Date
 - a. September 26, 2024 at 10 am.
 6. Adjourn
 - a. The meeting adjourned at 10:33 am.

2024 Plan Update Summary



1. Purpose
2. Watershed Information
3. Watershed Management Plan
 - Policies
 - Program Projects
4. Financial Assessment
5. 5-Yr Implementation Plan

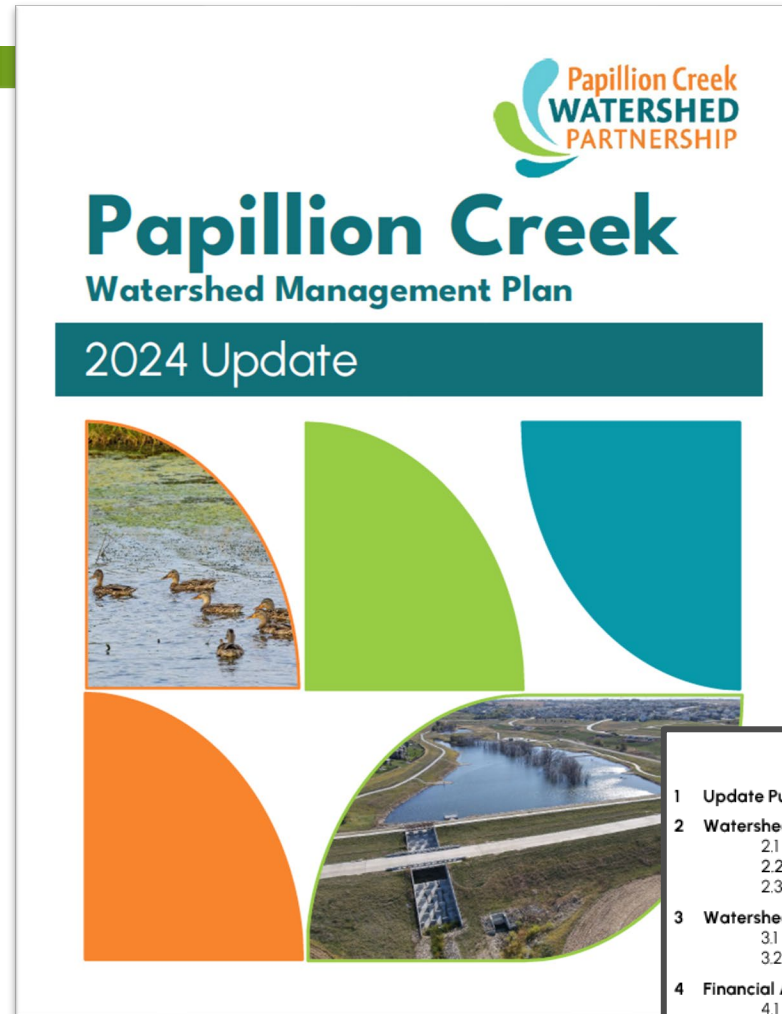


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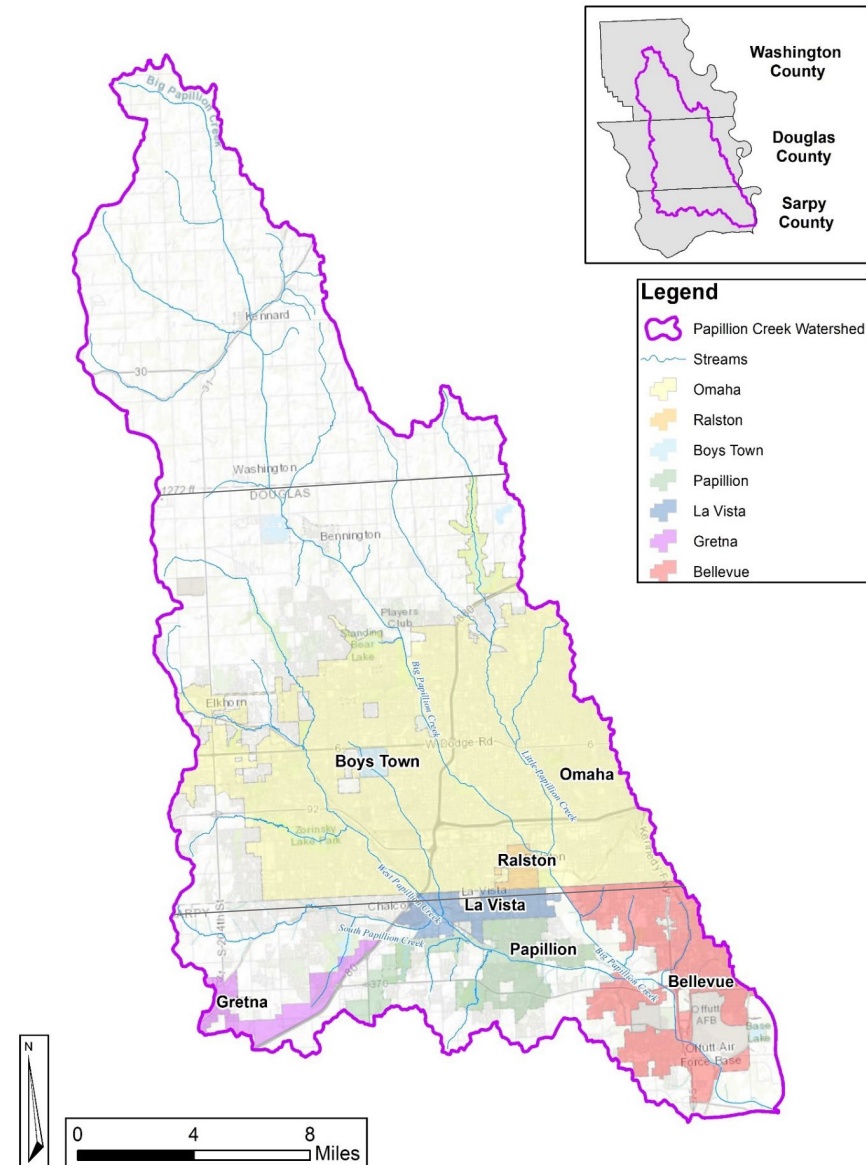
Partnership Website Updates

[Papillion Creek Watershed Partnership \(papiopartnership.org\)](http://papiopartnership.org)

Purpose



- Document progress from last 5-year implementation period (FY 2020 - FY 2024)
- Policy review and update efforts
- Remaining structural Program Projects cost updates
- Watershed Fee rate updates
- Develop next 5-year implementation plan (FY 2025 - FY 2029)
- Update Interlocal Agreements

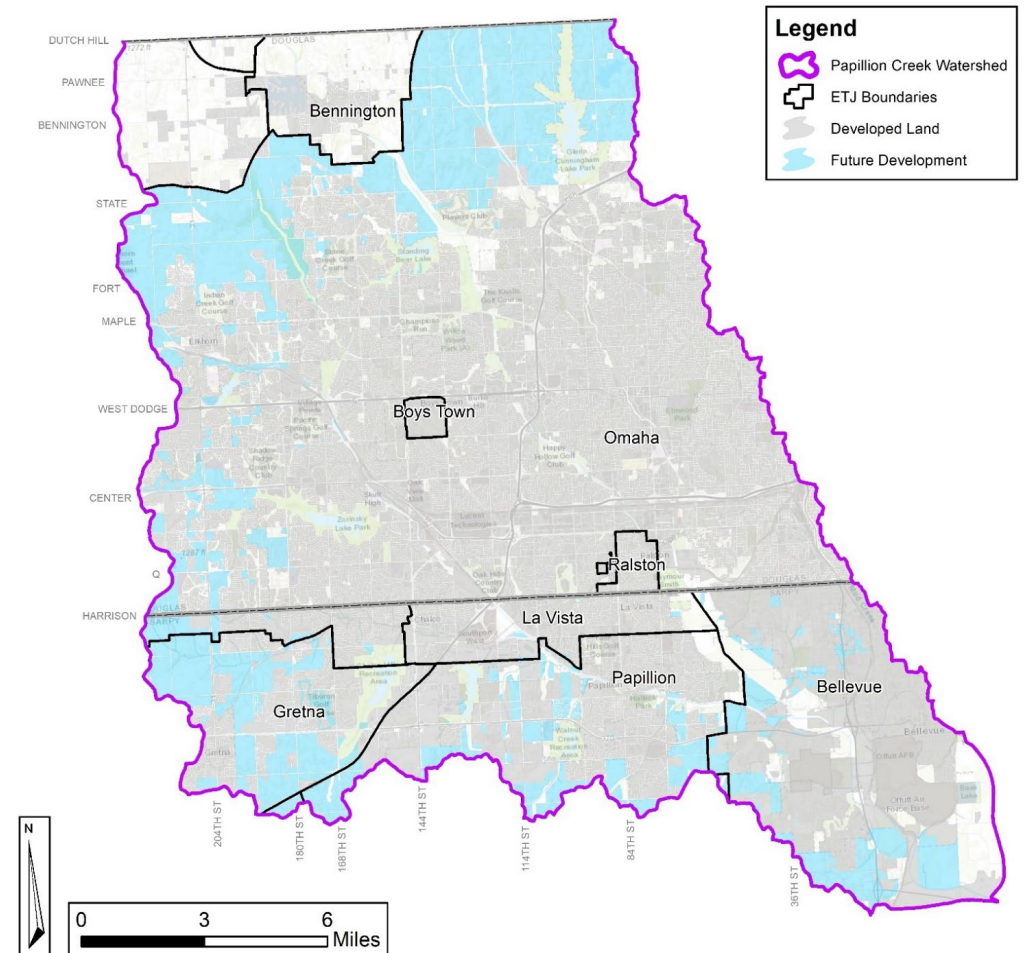


Watershed Information



- Status of development w/in Partnership's ETJs
- Concurrent and related work in Watershed
 - *USACE Reevaluation Study* – plan to address flood risks in Watershed, includes Program Projects DS-19 and DS-10
 - *WFPO Study* – NRCS program to address water resource concerns, includes grade stabilization, stream restoration, and sediment control basin.
 - *Supplemental Funding* – grant applications to support FY 2020- FY 2024 Program Projects - **\$16.3 million total**

Program Project	Grant Sources				
	WSF	FEMA/BRIC	NGPC/FWS	EPA 319	Total
WP-1	\$4,735,048	---	\$500,000	\$200,000	\$5,435,048
WP-2	\$4,171,204	---	\$325,000	---	\$4,496,204
WP-4	\$726,900	\$5,335,650	\$350,000	---	\$6,412,550
Total	\$9,633,152	\$5,335,650	\$1,175,000	\$200,000	\$16,343,802





- Policies

- Reviewed policies, updated terminology, and simplified document

POLICY GROUPS

- | | |
|---------------------------------|------------------------------------|
| 1. Water Quality Improvements | 4. Erosion and Sediment Control |
| 2. Peak Flow Management | 5. Floodplain Management |
| 3. Stream Corridor Preservation | 6. Stormwater Management Financing |

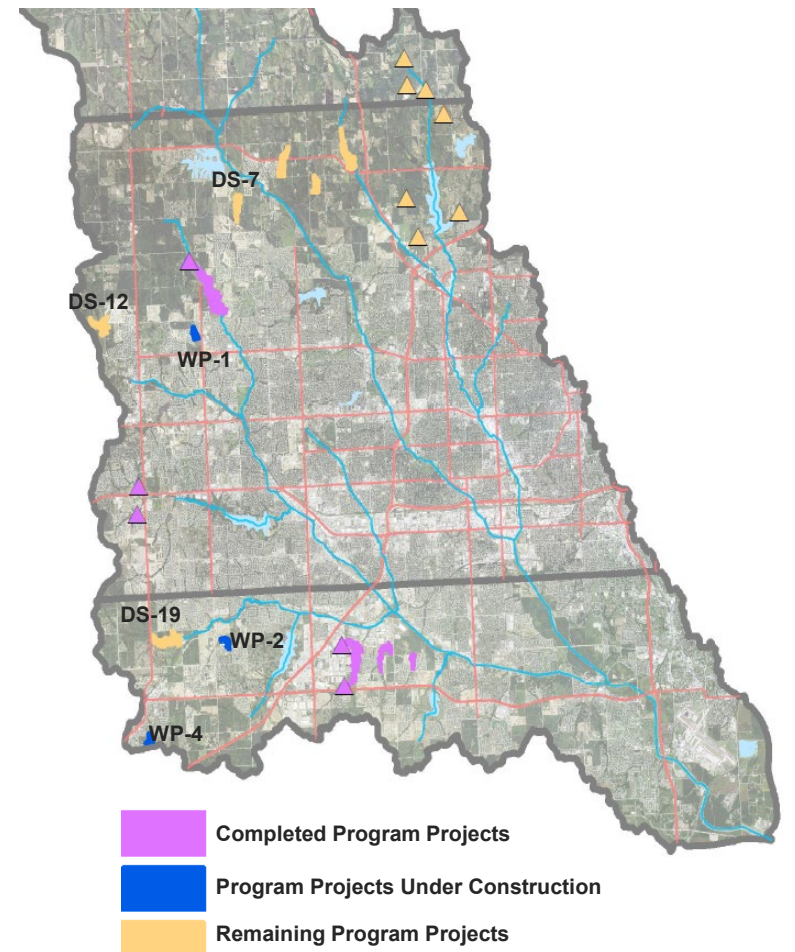
- Revisited stream setback definition and pursued modifications
 - **Proposed compromises to the stream setback policy presented in 2021.**
 - **After stakeholder discussions, there remained opposition to updating the policy so no changes were made.**

Watershed Management Plan



- Structural Components – Program Projects
 - FY 2020 – FY 2024 Status Update

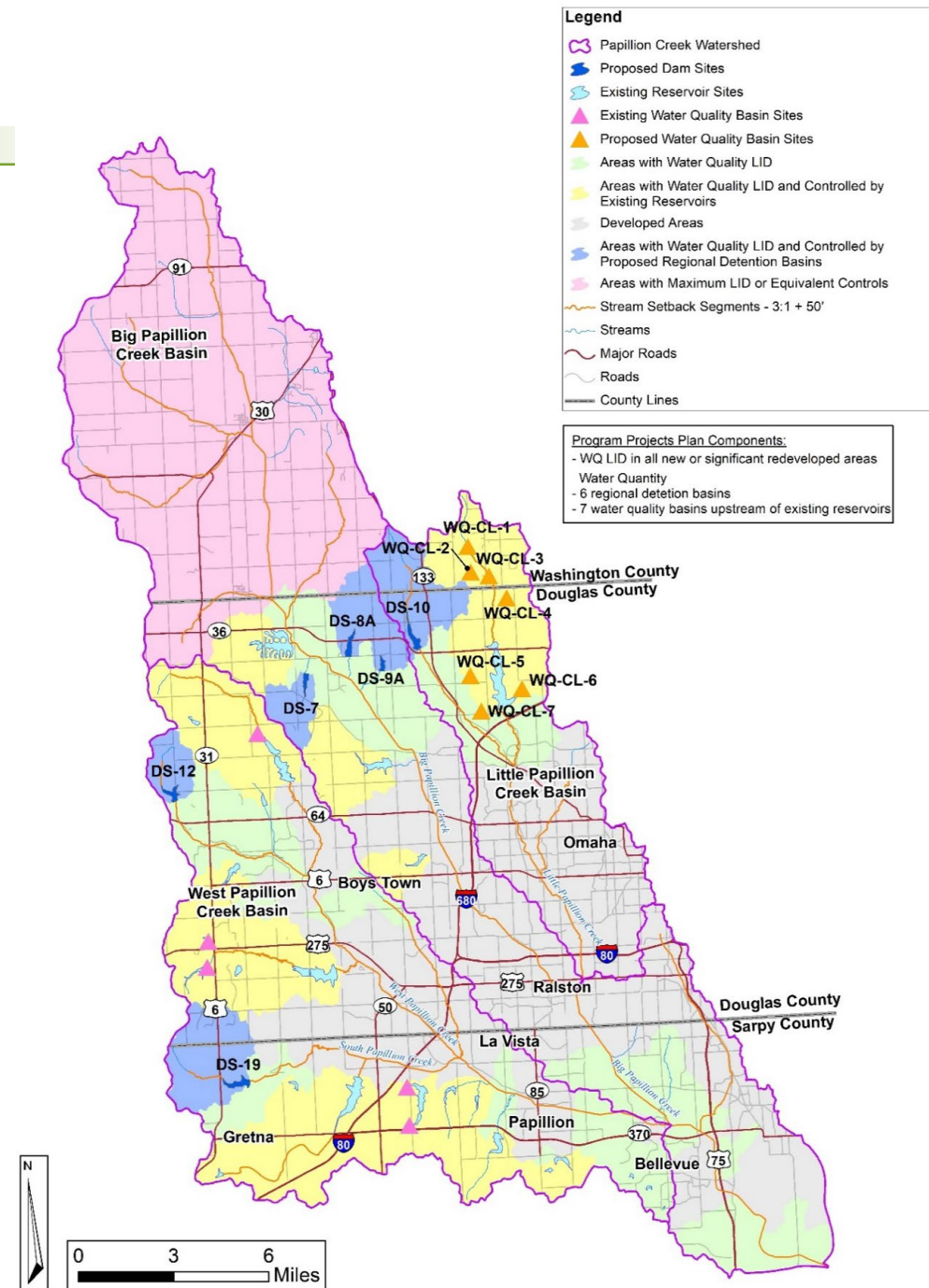
Structure Name	Approx. Location & Planning Jurisdiction	Drainage Area (acres)	Project Funding Sources (Millions of \$)			Current Status
			NRD Fund & Watershed Fees	Other ¹	Total Project Expenditures	
2019 Program Projects for Years FY 2020 to FY 2024						
WP-1	180th & Fort Streets	865	\$4.2	\$8.8	\$13.0	Construction Begins Fall 2024 - completion in Winter 2025
WP-2	180th St & Giles Road	705	\$7.7	\$4.5	\$12.2	Under construction - completion in Spring 2025
WP-4	204th St & Schram Road	670	\$8.9	\$6.4	\$15.3	Under construction - completion in Fall 2024
2019 Program Projects Subtotal			\$20.8	\$19.7	\$40.5	---
Land Rights Purchase in FY 2020 to FY 2024						
DS-12	216th & Fort Streets; Omaha	1,660	\$12.5	---	\$12.5	Preliminary design complete Land rights purchase underway
DS- 7	168th Street & Bennington Road; Bennington/Omaha	1,675	\$11.6	---	\$11.6	Preliminary design complete Land rights purchase underway
DS- 19	192nd Street & West Giles Road; Sarpy County	2,750	\$7.7	---	\$7.7	Preliminary design complete Land rights purchase underway USACE final design scheduled for 2025
Land Rights Subtotal			\$31.8	---	\$31.8	---
Total			\$73.5	\$39.4	\$112.9	---



Watershed Management Plan

- Structural Components – Program Projects
 - Remaining Projects

Structure Name	Approx. Location	Drainage Area (acres)	Total Project Capital Cost, 2023 Basis (Millions of \$) ¹	Current Status
DS-12	216th & Fort Streets	1,660	\$30.4	Preliminary design complete Land rights purchase underway
DS-7	168th St & Bennington Road	1,675	\$27.2	Preliminary design complete Land rights purchase initiated
DS-19	192nd St & Giles Road	2,750	\$37.3	Preliminary design complete Land rights purchase underway USACE final design scheduled for 2025
DS-8A	144th St & Bennington Road	1,850	\$19.2	---
DS-9A	132nd St & Bennington Road	1,280	\$13.0	---
DS-10	120th St & Bennington Road	2,950	\$20.4	USACE preliminary design complete
Regional Detention Subtotal			\$147.5	
WQ-CL 1 through 7	Omaha & Washington Co.	4,470	\$102.1	---
Total Remaining			\$249.6	





- Financial Approach for FY 2020 – FY 2024
 - Watershed Fees
 - Papio NRD General Funds + Awarded Grants
 - Bonding
 - 2019 authorization for a 5-year bonding authority extension
 - Bond funds used for completed Program Projects, expires in 2024

- Financial Assessment for Remaining Program Projects
 - Revenue and expenditure updates
 - Funding Mechanisms
 - Pay-As-You-Go (P-A-Y-G)
 - P-A-Y-G + Additional Bonding
 - P-A-Y-G + WIFIA Loan





- Cash Flow Modeling
 - Funding Scenarios

Scenario	Funding Mechanism	Watershed Fees	Papio NRD Allocation	Financing Terms	
				Interest Rate	Repayment Period
1.0	P-A-Y-G	Current Rates with Inflation	General Fund Contribution	---	---
2.1	P-A-Y-G + Bond	Current Rates with Inflation	General Fund Contribution + \$20M Bond	3.0%	20 Yrs
2.2		Current Rates with Inflation	General Fund Contribution + \$20M Bond	4.5%	20 Yrs
3.1	P-A-Y-G + WIFIA Loan	Current Rates with Inflation	General Fund Contribution + \$30M WIFIA Loan	3.1%	35 Yrs
3.2		Current Rates with Inflation	General Fund Contribution + \$30M WIFIA Loan	2.0%	35 Yrs
3.3		Current Rates with Inflation	General Fund Contribution + \$46M WIFIA Loan	3.1%	35 Yrs
3.4		Current Rates with Inflation	General Fund Contribution + \$30M WIFIA Loan	2.0%	20 Yrs
3.5		Current Rates with Inflation	General Fund Contribution + \$46M WIFIA Loan	2.0%	35 Yrs
3.6		Current Rates with Inflation	General Fund Contribution + \$30M WIFIA Loan	3.1%	20 Yrs

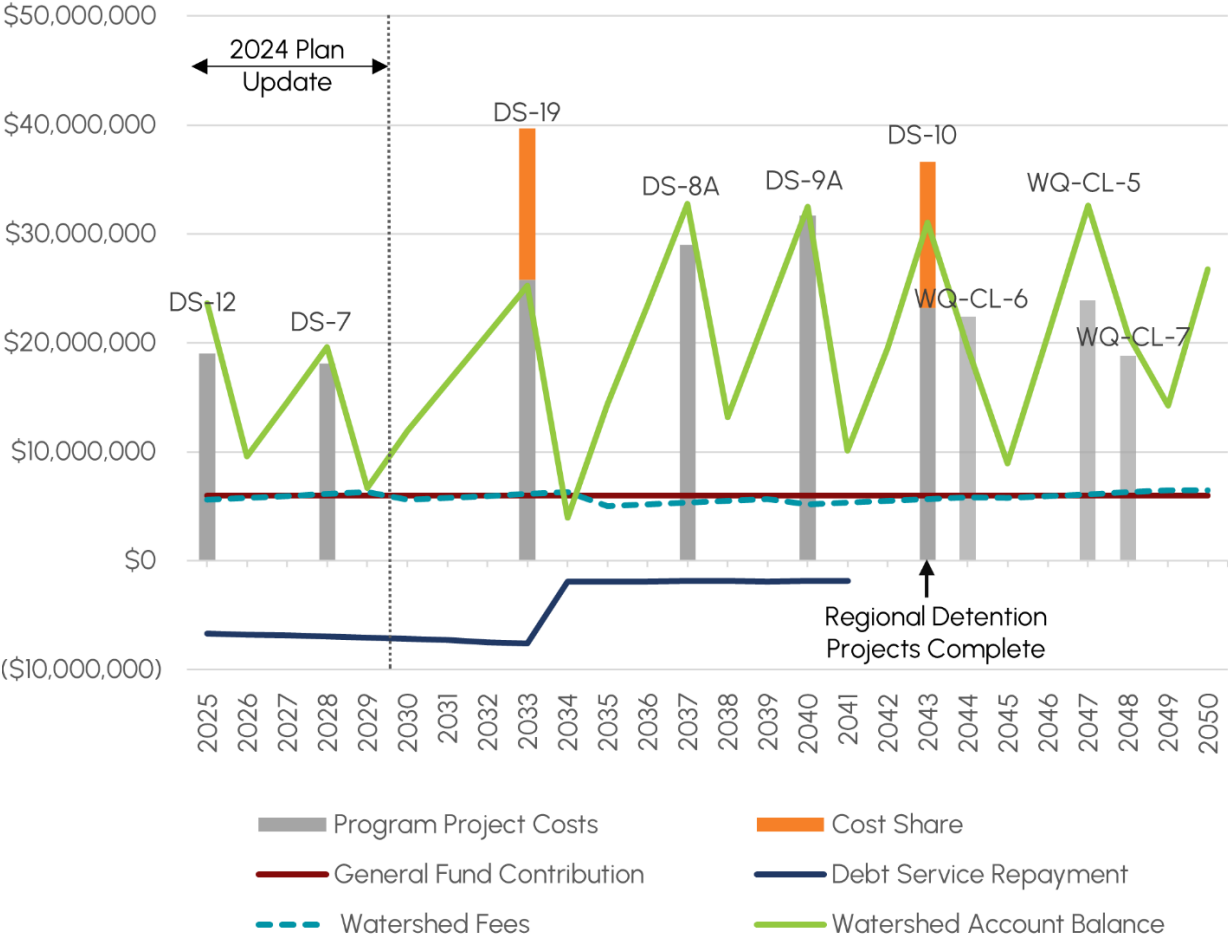


■ Cash Flow Modeling Results

■ Scenario 1. P-A-YG

■ Key Model Outputs

1. Two (2) projects will be constructed in the next planning period (FY 2025 to FY 2029).
2. All regional detention structures will be complete by 2043.
3. Regional detention project cost of \$146.8 million (with no additional dept service).
4. Three (3) water quality basins can be constructed within the planning horizon (2050).



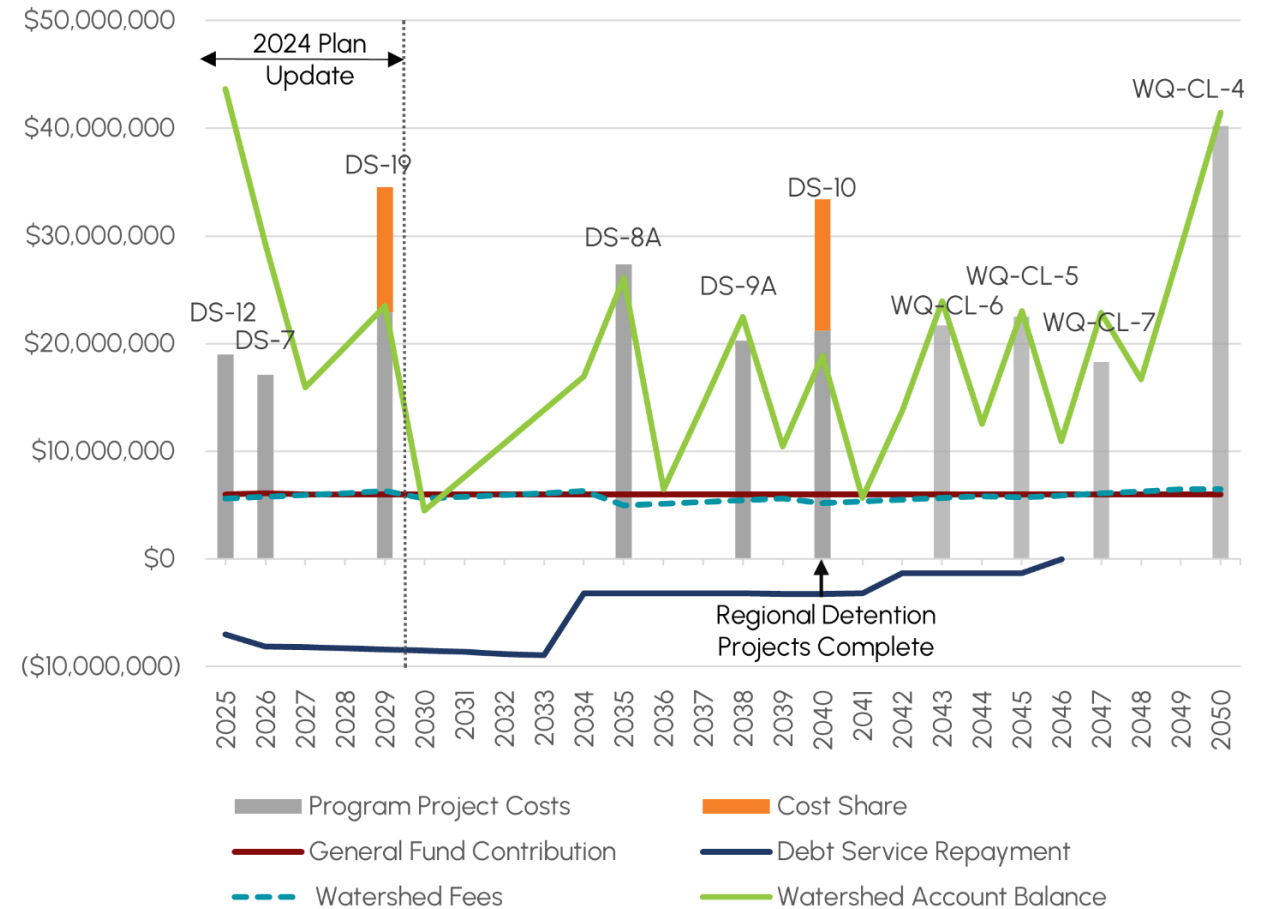


■ Cash Flow Modeling Results

■ Scenario 2.1. P-A-YG + \$20M Bond

■ Key Model Outputs

1. Three (3) projects will be constructed in the next planning period (FY 2025 to FY 2029).
2. All regional detention structures will be complete by 2040.
3. Regional detention project cost of \$127.9 million, plus \$6.9 million in additional dept service for a total regional detention cost of \$134.8 million.
4. Four (4) water quality basins can be constructed within the planning horizon (2050).





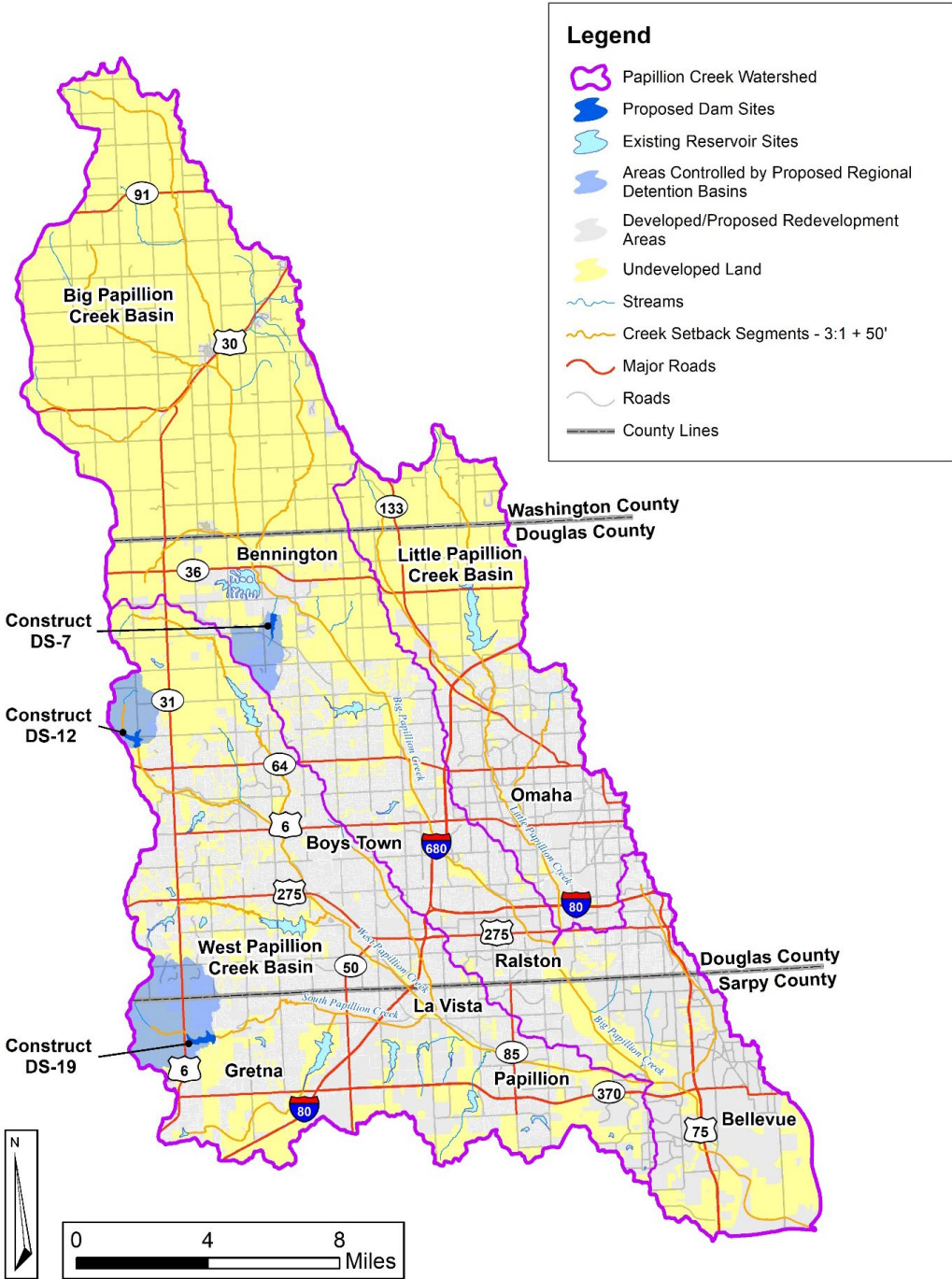
- Cash Flow Modeling Results
 - Summary Key Model Outputs for Range of (5) Scenarios

Scenario			# Projects Complete 2025-2029	Year Regional Detention Complete	Regional Detention Costs (\$ in Millions)	Additional Debt Service (\$ in Millions)	Total Regional Detention Cost (\$ in Millions)	# Water Quality Basins*
Method	Interest Rate	Repayment Schedule						
1 - PAYG	---	---	2	2043	\$146.8	\$0.0	\$146.8	3
2.1 - PAYG + \$20M Bond	3.0%	20 Yrs	3	2041	\$127.9	\$6.9	\$134.8	4
3.1 - PAYG + \$30M Loan	3.1%	35 Yrs	3	2040	\$126.0	\$19.2	\$145.2	3
3.2 - PAYG + \$30M Loan	2.0%	35 Yrs	3	2039	\$124.6	\$11.7	\$136.3	4
3.3 - PAYG + \$46M Loan	3.1%	35 Yrs	4	2038	\$119.1	\$30.1	\$149.2	4

5-Yr Implementation Plan (FY 2025- FY 2029)

Program Projects

Structure	Approx. Location	Drainage Area (acres)	Est. Project Capital Costs, 2018 Basis, \$ Millions
DS-19	192 nd & Giles Road	2,750	\$37.3
DS-12	216 th & Fort Streets	1,660	\$30.4
DS-7	168 th and Bennington Road	1,675	\$27.2
Total			\$94.9





Navigation



Upcoming Events

AUG 22 10:00 am - 11:00 am

August Partnership Meeting

[View Calendar](#)

- Who We Are ▼
- What We Do ▼
- Working in the Watershed ▼
- Resources ▼
- Events
- Contact

Watershed by Design

Our mission is to address issues related to water quality and storm water quantity in the Papillion Creek Watershed by establishing regionally common goals and standards for the development of the watershed through 2040.

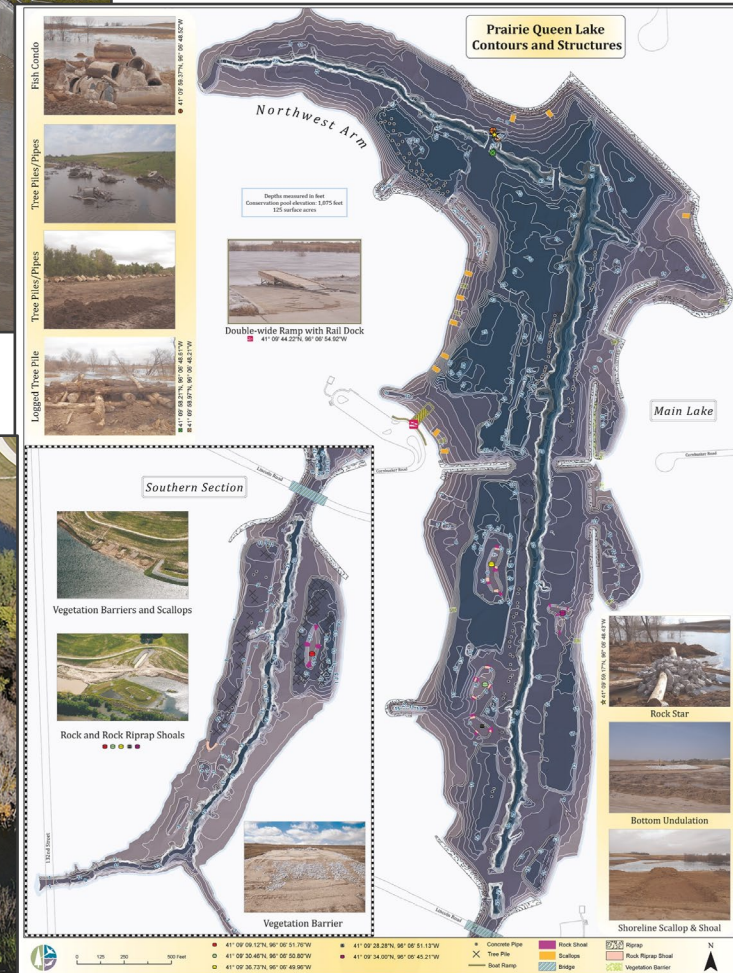
The Papillion Creek Watershed consists of the land area that conveys water to the Missouri River from rain and snowmelt within the basin. The Watershed covers 402 square miles located in Washington, Douglas and Sarpy Counties and flows in a southeasterly direction to the Missouri River. There are three main tributaries that form the Papillion Creek system – Little Papillion Creek, Big Papillion Creek and West Papillion Creek. This watershed approach was adopted by the PCWP so that surface water which flows across numerous jurisdictional boundaries can be managed in a consistent and comprehensive manner.

Website Updates



Project Pages Content

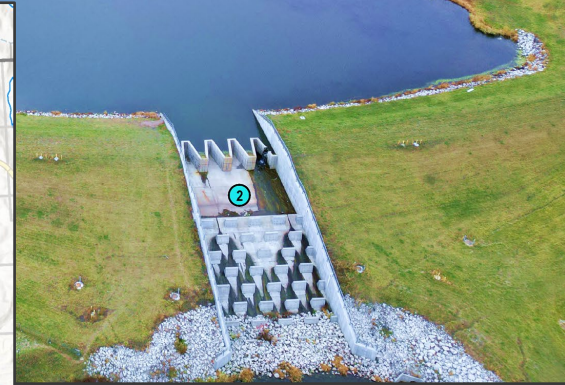
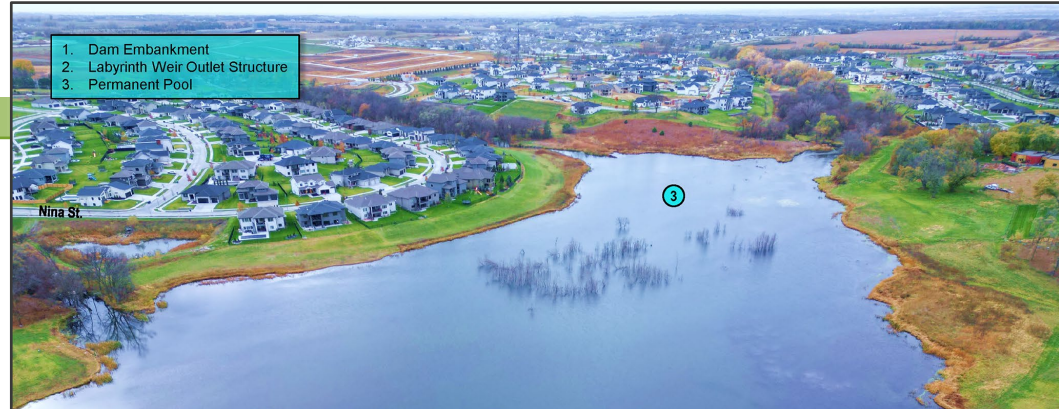
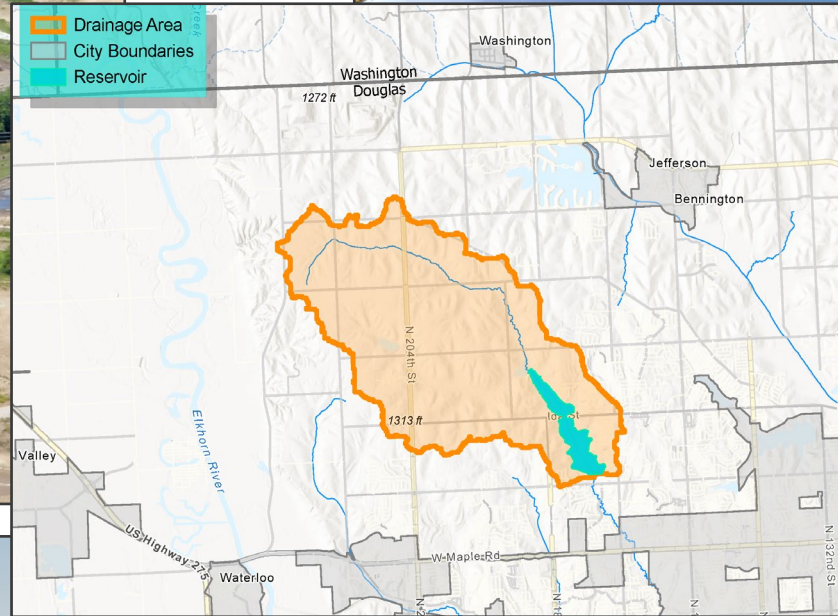
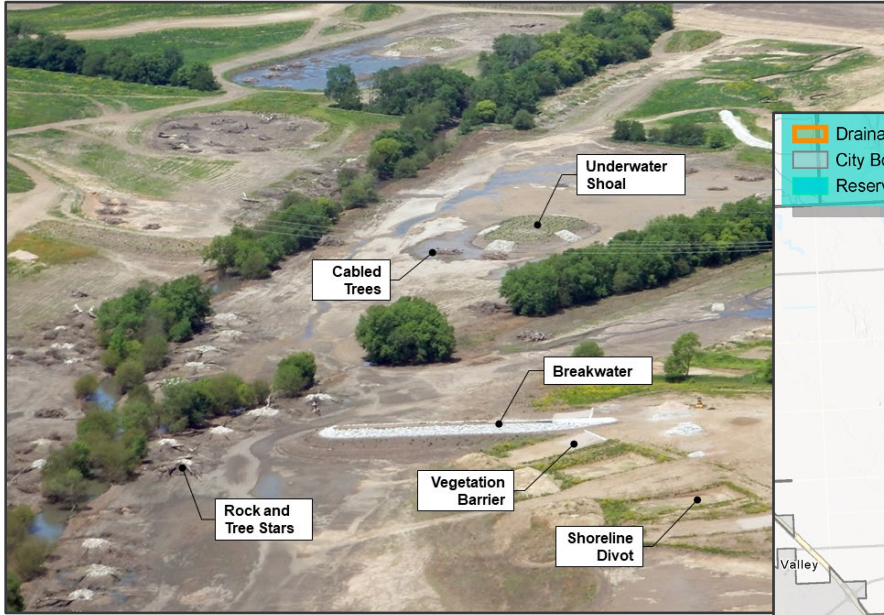
- | | |
|-----------------------------------|------------------------|
| 1. Dam Embankment | 6. Paved Trail |
| 2. Principal Spillway Outlet | 7. Day Use Facility |
| 3. Auxiliary Spillway Channel | 8. Public Boat Ramp |
| 4. Permanent Pool | 9. Water Quality Basin |
| 5. Perpendicular Breakwater (typ) | 10. Pedestrian Bridge |



Website Updates



■ Project Pages Content





Agenda

Partnership Coordination Meeting

August 1, 2024 | 10:00 a.m.

Virtually via ZOOM -> Click Here To Join

1. Attendance/Introductions

- a. See attached attendance sheet.

2. Informational Items

- a. 2024 Interlocal Agreement was distributed to the Partnership; reach out if a copy is needed

- i. The executed version will be uploaded to the SSWP Website. Reach out to ighanavati@papionrd.org if needed.

- b. Please update the Partnership on upcoming plats to follow the new process

- i. Gretna has some that may submit for final plat in the coming months. We will share progress on implementing the grade control requirement on the first couple of developments for the benefit of the group.

3. Watershed Management Plan Report



- a. Comments were requested by July 12th
 - b. Report will be finalized and made available to the Partnership
 - i. **Expect the final report in late August.**
4. Stormwater Inspections Contract Amendment
- a. Current contract expires with JEO in January
 - i. **Per group consensus, the Papio NRD will work with JEO to develop an amendment to the current inspections contract. This amendment will be reviewed and formally voted on by the Partnership and by the Papio NRD Board. The Papio NRD will continue to administer the contract as normal.**
5. Miscellaneous
- a. Website Updates
 - i. **Updates still planned, but website is functional. Please share any suggestions for improvement at any time.**
 - b. Other Items
 - i. **No items were raised by the group.**
6. Next Meeting: **Thursday, September 5th**



- a. This and future meetings will remain on the calendar to keep group updated on implementation. Meetings may be cancelled or held virtually via Zoom depending on amount of content to be respectful of everyone's time. Please share any suggestions for future meeting topics as needed.

SSWP Meeting – Sign In Sheet
 August 1, 2024 – 10 am
 Papio-Missouri River NRD



	NAME & EMPLOYER	EMAIL ADDRESS	PHONE
X	Lori Laster Papio NRD	llaster@papionrd.org	(402) 444-6222
	Amanda Grint Papio NRD	agrint@papionrd.org	(402) 444-6222
	Eric Williams Papio NRD	ewilliams@papionrd.org	(402) 444-6222
X	Ian Ghanavati Papio NRD	ighanavati@papionrd.org	(402) 315-1716
	Jeff Thompson Wastewater Agency	jthompson@wastewateragency.org	(402) 415-6734
	Alex Evans City of Papillion	aevans@papillion.org	(402) 597-2044
	Matt Knight City of Bellevue	matt.knight@bellevue.net	(402) 293-3028
X	Kathleen Gottsch City of Springfield	kathleen@springfieldne.org	(402) 253-2204
	Mike Sotak Houston Engineering	msotak@houstoneng.com	(402) 407-1099
X	Sara Mechtenberg Houston Engineering	smechtenberg@houstoneng.com	(402) 407-1099
	David Goedeken City of Bellevue	david.goedeken@bellevue.net	(402) 293-3144
X	Kristine Stokes City of Gretna	kristine@cityofgretna.com	(402) 332-3336
	Zach Hergenrader Sarpy County	zhergenrader@sarpy.gov	(402) 537-6917
	Kelly Jeck Sarpy County Planning	kjeck@sarpy.gov	(402) 593-2315
	Greg Perry City of Gretna	gregp@eagleengineeringgroup.com	(402) 964-2430
	Kevin Balentine Sarpy County Admin	kbalentine@sarpy.gov	(402) 964-2430
	Joshua Nelson Sarpy County	jnelson@sarpy.gov	

