## Kiwanis Community Park Partnership

Jeanie Shrednik, PLA, City of Cheyenne





#### Introduction to Kiwanis Community Park

Kiwanis Community Park is a 105+/- acre parcel located at the SW corner of E. Pershing Boulevard and Whitney Road. The parkland was purchased by the City in early 2020 with 6<sup>th</sup> Penny Specific Purpose Tax funds that voters approved in 2017. The parcels purchase was intended for future use as a park as well as for improvements to the Dry Creek floodplain

which encompasses nearly two thirds of the parcel.







# SITE ANALYSIS EXISTING RESIDENTIAL HESS PROPERTY FEMA floodwa Current desirage path Salating welland greet walkers fresh and salating greet greet walkers fresh and salating greet gr

#### Site and Floodplain Analysis























# 2022 Projected Cost to Complete the Full Master Plan

\$46 MILLION

## Kiwanis Park Trail and Constructed Wetlands Project



Jeanie Shrednik, PLA, City of Cheyenne

CHEYENNE
HIGH PLAINS
AUDUBON
SOCIETY

GFWC WOMENS CIVIC LEAGUE OF CHEYENNE





WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

DEQ

LARAMIE COUNTY CONSERVATION DISTRICT

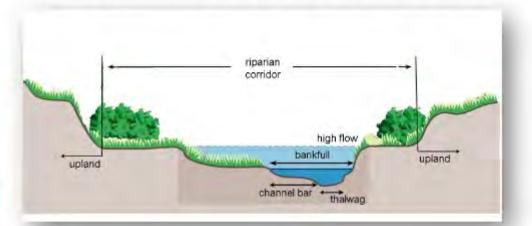
#### DRY CREEK THROUGH THE PARK



#### DRY CREEK MASTER PLAN-THE CREEK THROUGH THE PARK

There is a lack of water quality and nature-based solutions which would serve to improve the interaction between the creek and the community. There are significant reaches of Dry Creek that can be functionally restored. Addressing these reaches will reduce annual maintenance costs, eliminate nuisance flooding, lessen the risk of flood damage for larger events, and enhance the creek amenity for the

community. A natural, healthy riparian corridor improves the function, diversity, and property value of adjacent land and the surrounding environment. properly functioning river system supplies clean water, supports a variety of aquatic and terrestrial life forms, and provides an efficient, stable method of controlling flows and transporting water and sediment. This is true of urban drainageways, where restoration can enhance the overall



quality of life. Steps to encourage the redevelopment of a habitat corridor and other water-based life through select reaches in the basin can be accomplished through additional steps, including more natural, lower height grade control stabilization, incorporation of riffles and pools, and adding riparian habitat suitable to the wildlife of the area. This in turn will reduce annual maintenance costs and improve conveyance of flow for more frequent flood events as well as help with the city's ongoing MS4 compliance efforts.

# DRY CREEK THROUGH THE PARK DRY CREEK BASIN 100-YR FLOODPLAIN PERSHING BLVD TO UPRR --- Channel Flowline 100-yr Floodplain

Project Area 2022222 20 82 82 Approximate Area of Trail and Wetlands Project 5+/- acres

#### About the project

**PLANNING** 

Planning and design for the project is 90% complete and permitting is underway

COST

**Engineers Cost estimate is \$369,000.00** 

TIME FRAME

With approval of all grant request, construction could begin by late Fall 2024 or early Spring 2025. (3-4 month project)

#### Kiwanis Park Trail and Wetlands Project Partners



CHEYENNE \$80,000.00

LAURA JANE MUSSER FUND,
ENVIRONMENTAL
INITIATIVE
POTENTIAL FUNDING
\$35,000.00

CHEYENNE GREENWAY FOUNDATION \$3,000.00



# ENVIRONMENTAL QUALITY

WYOMING NONPOINT SOURCE PROGRAM CLEAN WATER ACT SECTION 319 GRANT \$120,500.00

LARAMIE COUNTY CONSERVATION DISTRICT \$1,000.00



2017 6<sup>TH</sup> PENNY PARK FUNDING \$115,500.00

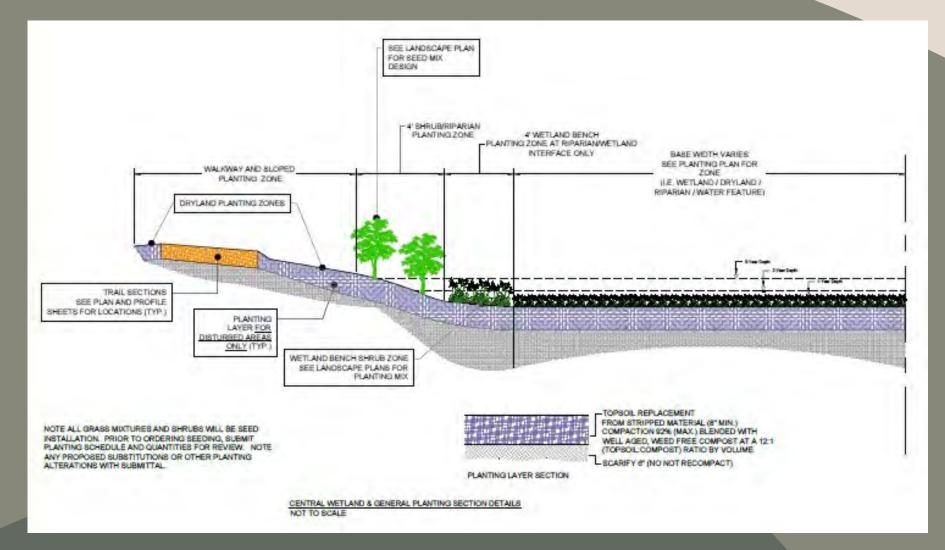
GFWC WOMEN'S
CIVIC LEAGUE OF
CHEYENNE
POTENTIAL FUNDING
\$10,000.00

CHEYENNE HIGH PLAINS AUDUBON SOCIETY \$4,000.00

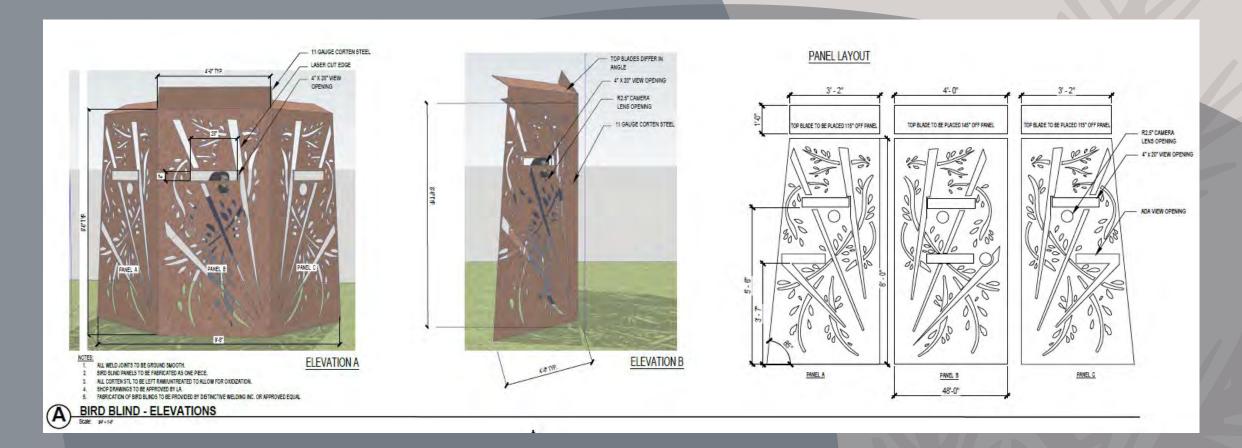
#### The Project - Wetlands and Trail



#### Wetlands and Trail

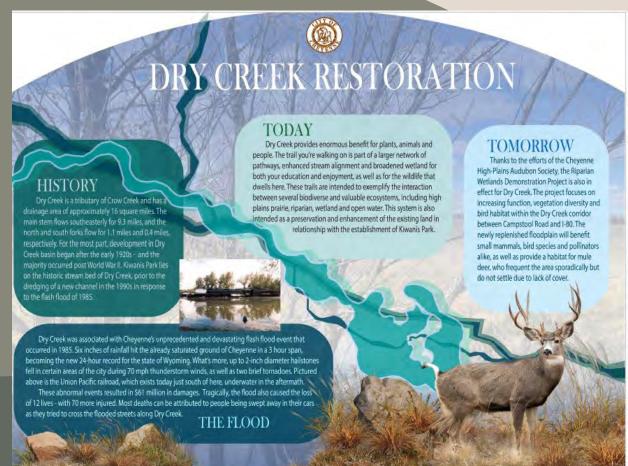


#### Bird Blinds



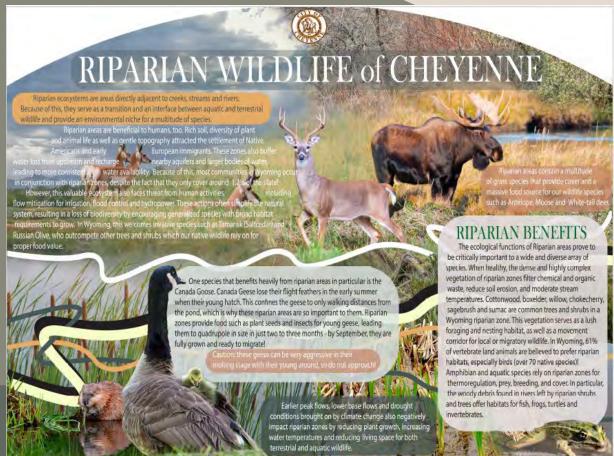
#### Educational Signage





#### Educational Signage

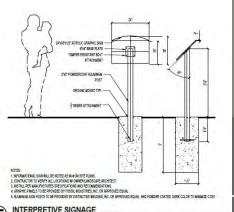




### Educational Signage







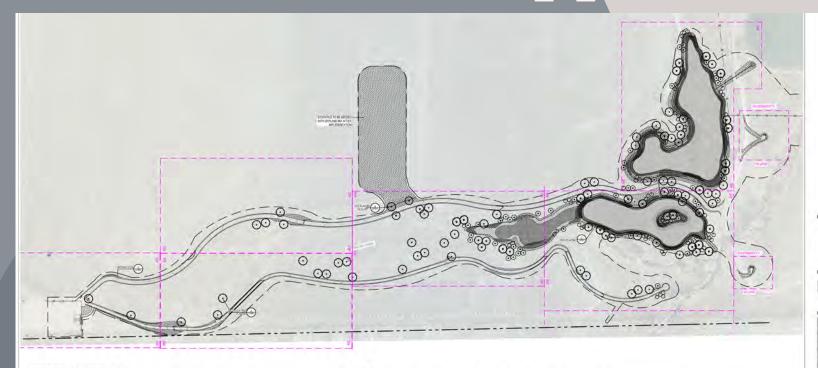
### Future Volunteer Opportunities

 Upon completion of the project and establishment of seeding on site, trees will need to be planted and temporarily watered.

Additional fencing to be removed.



### Future Volunteer Opportunities



DRYLAND ZONE - PBSI NATIVE PRAIRIE MIX.

LANDSCAPE SCHEDU	JLE: TREES REFERENCE ONLY - NIC				
QTY SYMBOL	BOTANIC NAME	COMMON NAME	SZE	HEIGHT	SPREAD
DECIDUOUS TREES	POPULUS X ACUMINATA	LANCELEAF COTTONWOOD	15 GAL - 2" CAL.	40-807	30-47
49 (+	POPULUS DELTOIDES	PLAINS COTTONWOOD	15 GAL - 2" CAL.	50-80	30-60
**	SALIX AMYGDALOIDES	PEACHLEAF WILLOW	SGAL-45 CLUMP	35-50	25-35"
ORNAMENTAL TRE	ES - NIC AMELANCHIER ALNIFOLIA	SASKATOON SERVICEBERRY (MJLTI-STEM)	5 GAL - 45 CLUMP	8-10	6.6
52 SS DECIDUOUS SHRU	PRUNUS VIRGINIANA BS - NIC	GREEN CHOKECHERRY	5 GAL - I' CAL	20-37	10-15
	SALIX EXIGUA	COYOTE WILLOW	CUTTINGS Nº O.C.	8-10	8.8

Landina	PBSI NATIVE PRAIRIE WILDS APPROVED EQUAL	FLOWER MIX OR	LIMITS OF WOR	K
DAME:	RIPARIAN ZONE - PBSI FOO OR APPROVED EQUAL	THILLS NATIVE SEED MIX		
	WETLAND ZONE - PBSI PRA OR APPROVED EQUAL	IRIE WETLAND SEED MIX		
DECIDUOUS SHI	US SPED MIX			
SYMBOL	BOTANIC NAME	COMMON NAME	% OF MIX	
-27		COMMON NAME RED-OSIER DOGWOOD	% OF MIX	
SYMBOL	BOTANIC NAME			
SYMBOL	BOTANIC NAME  CORNUS SERICEA  ERICAVERIA NAUSEOSA	RED-OSIER DOGWOOD	15	
SYMBOL	BOTANIC NAME CORNUS SERICEA ERICAMERIA NAUSEOSA SSP. NAUSEOSA	RED-OSIER DOGWOOD DWARF BLUE RABBITBRUSH	15 25	
SYMBOL	BOTANIC NAME  CORNUS SERICEA  ERICAMERIA NAUSEOSA SSP. NAUSEOSA PAWNEE BUTTES	RED-OSIER DOGWOOD DWARF BLUE RABBITBRUSH SAND CHERRY	15 25 10	

GENERAL LANDSCAPE NOTES:
ALL LANDSCAPING AND PLANTS TO BE LOCATED NOT TO INTERFERE WITH EXISTING OR PROPOSED LITELITIES. CONTRACTOR SHALL VERRY LOCATION OF ALL UNDERGROUND UTLITIES, LINES AND STRUCTURES PRIOR TO EXCAVATION OR TRENCHING DAMAGE TO THESE UTILITIES SHALL BE REPARKED BY THE CONTRACTOR AT NO COST TO THE OWNER OR LANDSCAPE ARCHITECT.

PLANT QUANTITIES SHOWN FOR INFORMATION PURPOSES ONLY, CONTRACTOR TO VERIFY ALL QUANTITIES.
ALL TREE AND SHRUB LOCATIONS SHALL BE STAKED BY CONTRACTOR AND APPROVED BY LANDSCAPE ARCHITECT.
PLANTS SHALL BE INSTALLED IMMEDIATELY VERY DELIVERY TO STEEL IF THIS IS NOT

POSSIBLE, PLANTS SHALL BE HEELED IN AND WATERED TO PREVENT DEHYDRATION

ALL DAMAGED OR DEAD PLANT MATERIAL TO BE REPLACED. CONTRACTOR TO PROVIDE
MATER THROUGHOUT CONSTRUCTION PERIOD.
 PLANT DUALITY: ALL PLANT MATERIAL, SHALL SE A-GRADE OR NO. 1 GRADE – FREE OF ANY DEFECTS, OF NORMAL.

HEALTH, HEGHT, LEAF DENSITY AND SPREAD APPROPRIATE TO THE SPECIES AS DEFINED BY THE AMERICAN ASSOCIATION OF NURSERYMEN (ANN) STANDARDS. ALL TREES SHALL BE BALL AND BURLAP OR EQUIVALENT. INSTALLATION AND GUARANTEE: ALL LANDSCHAMIS SHALL BE BALL ACCORDING TO SOUND MORTICULTURAL. PRACTICES IN A MANNER DESIGNED TO ENCOURAGE QUICK ESTABLISHMENT AND HEALTHY GROWTH.

THE FINAL LANDSCAPE PLAN SHALL BE COOKDINATED WITH ALL DITTER FINAL PLAN EXEMPTS SO THAT THE PROPOSED GRADNO, STORAL DRIVANCE, AND OTHER DEVELOPMENT IMPROVEMENTS OO INTO COMPLECT WITH HOR PRECLICE INSTITUTIONS OF THE PROPOSED GRADNO, STORAL DRIVANCE, AND OTHER DEVELOPMENT IMPROVEMENTS OO INTO COMPLECT WITH HOR PRECLICE INSTITUTIONS OF TAXIN. 9. MINOR CHANGES IN SPECIES AND PLANT LOCATIONS MAY BE MADE DURING CONSTRUCTION - AS REQUIRED BY SITE

CONDITIONS OR PLANT AVAILABILITY. OVERALL QUANTITY, QUALITY, AND DESIGN CONCEPT MUST BE CONSISTENT WITH THE APPROVED PLANS. PLANT SUBSTITUTIONS WILL NOT BE PERMITTED WITHOUT APPROVING PLANT ARCHITECT, IN THE EVENT OF CONFLICT WITH THE QUANTITIES NUCLEOR IN THE PLANT LIST, SPECIES AND QUANTITIES.

COMPONENTS.

11. CONTRACTOR TO PROVIDE DELIVERY TICKETS AND/OR INVOICES, AS WELL AS SPECIFIED DOCUMENTATION, FOR SEED

KIWANIS PARK TRAIL CHEYENNE, WY

#### russe

REV.	COMMENT	DATE
		-
-		-

90% CONSTRUCTION DOCUMENTS

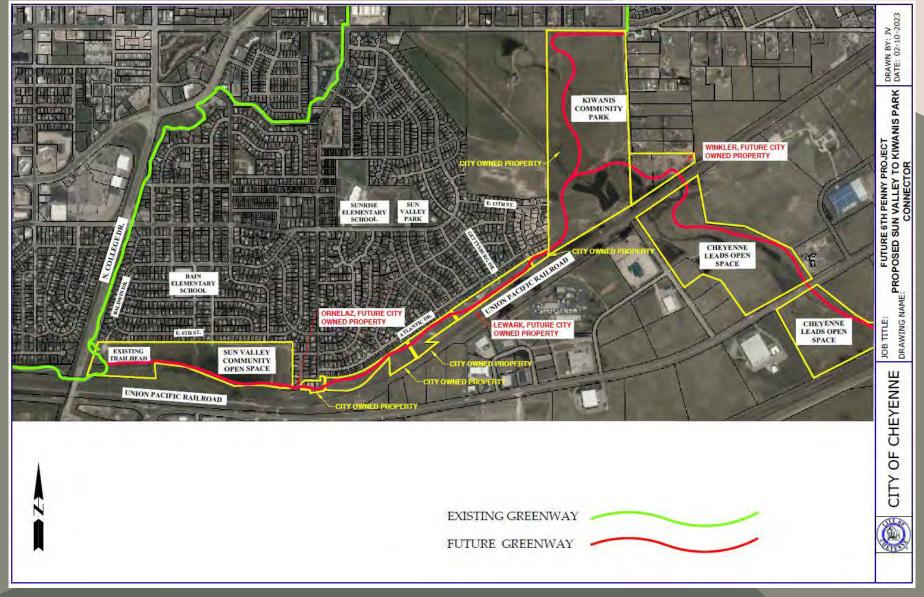
Date: SEPTEMBER 2023 Drawn By: vk Checked By: 48

Sheet Name

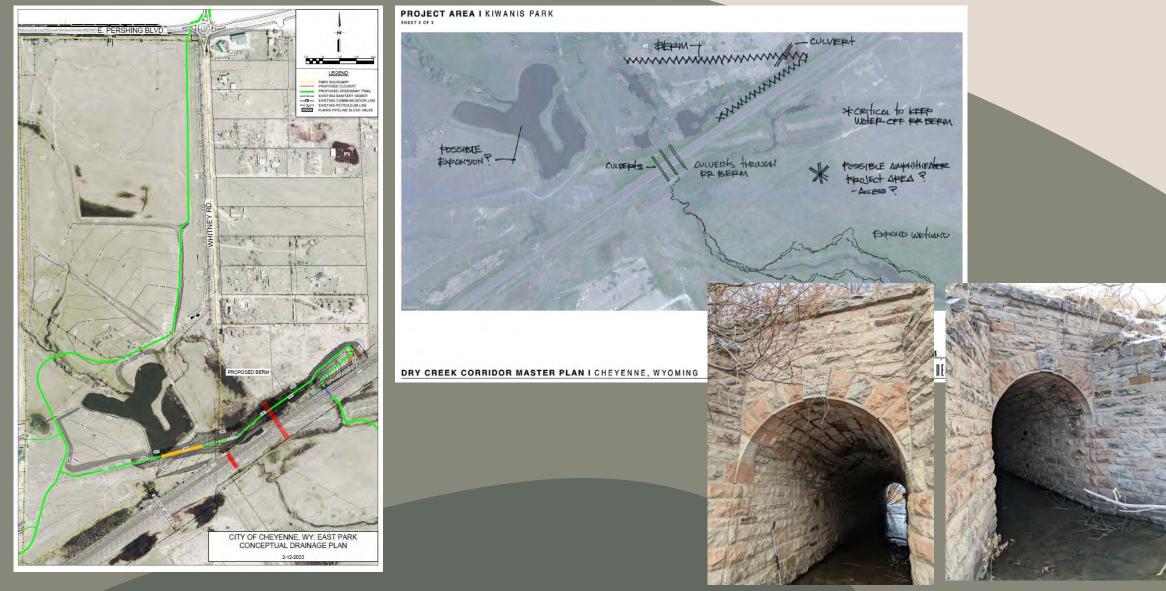
**OVERALL PLANTING** 

LP101





Surrounding and Associated Projects



Surrounding and Associated Projects



Surrounding and Associated Projects

#### summary

Thank you for the opportunity to present what we believe is a great project for Kiwanis Community Park. It will allow for improved access into the park, better water quality and wildlife habitat and is a tremendous opportunity to educate the public on how natural spaces and water quality effects not only Cheyenne citizens quality of life but also the quality of life for wildlife in the area.

I would be happy to answer any questions you have!





## thank you

Jeanie Shrednik P.L.A. vetter@cheyennecity.org