

Purchase Order Number 16894

This Number Must Appear on all
Invoices, Packing Lists, and Packages

**ADAMS COUNTY
PURCHASE ORDER**

Page - 1 of 1
Order Date: 06/04/19
Requested Date: 06/04/19
Cost Center: 6107

Vendor Address	Vendor and Shipping Information	Ship To Information
STREAM DESIGN LLC 1245 E COLFAX AVE STE 401 DENVER CO 80218	Phone: FAX: e-mail: Delivery: FOB DESTINATION	ADAMS COUNTY PARKS AND OPEN SPACE 9755 HENDERSON ROAD BRIGHTON CO 80601
VENDOR NUMBER: 266133		

Ln	R	Description / Supplier Item	QTY	UOM	Unit Price	Extended Price	Account Number	Req. No.
1	1	Consulting Services-Willow Bay Per terms, conditions and special instructions in Master Agreement 2018.447 and proposal 2019.311 (attached)		EA	0.0000	141,324.00	6107.7685 W61071817	14083


Original

Term Net 30 Days	Tax Rate *NA*	Sales Tax 0.00	Total Order 141,324.00
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ACCEPTANCE OF THIS ORDER IS SUBJECT TO THE TERMS AND CONDITIONS ABOVE AND ON THE REVERSE SIDE OF THIS DOCUMENT
COLORADO TAX EXEMPT #98-03569

Invoice to:
Adams County A/P
4430 S. Adams County Pkwy.
Suite C4000A
Brighton, CO 80601-8212
720-523-6050

Inquiries to:
Adams County Purchasing Department
4430 S. Adams County Parkway,
Suite C4000A
Brighton, CO 80601-8212
720-523-6050


TIERNEY, JENNIFER D

ADAMS COUNTY AUTHORIZED SIGNATURE

ADAMS COUNTY TASK ORDER
FOR: Willow Bay Open Space Master Plan and Land Use Entitlements

Date: May 14, 2019
Master Contract #: 2018.447

Task Order/PO #: 2019.311

In accordance with the above mentioned Master Contract between Adams County Colorado, and Contractor's Name, dated EFFECTIVE DATE, the provisions of the Contract and any Amendments thereto affected by this Task Order are modified as follows:

1. **Task Order Description.** Contractor shall perform the task(s) listed in Contractor's Task Order Proposal dated, which is incorporated by reference herein in accordance with the provisions of the Master Contract (2018.447).
2. **Price/Cost.** The maximum amount payable by the County for performance of this Task Order is \$141,324.00. The total Contract value including all previous Amendments, Task Orders, etc., is \$141,324.00.
3. **Performance Period.** Contractor shall complete its obligations under this Task Order on or before May 31, 2020.
4. **Effective Date.** The effective date hereof is upon approval of the County or the Board of County Commissioners, whichever is later.

IN WITNESS WHEREOF, the County and the Contractor have caused their names to be affixed.

*Person's signing for Contractor hereby affirm that they are authorized to act on Contractor's behalf and acknowledge that the County is relying on their representations to the effect.

COUNTY MANAGER
ADAMS COUNTY, COLORADO


Raymond H. Gonzales

6.5.2019
Date

CONTRACTOR


Signature*

Paul A. Thomas
Printed Name

May 23, 2019
Date

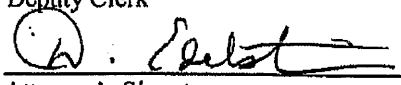
Vice-president/stream Landscape Arch.
Title

Attest:

Josh Zygielbaum; Clerk and Recorder


Deputy Clerk

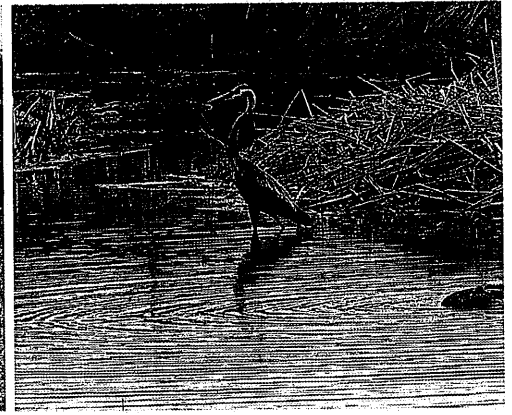
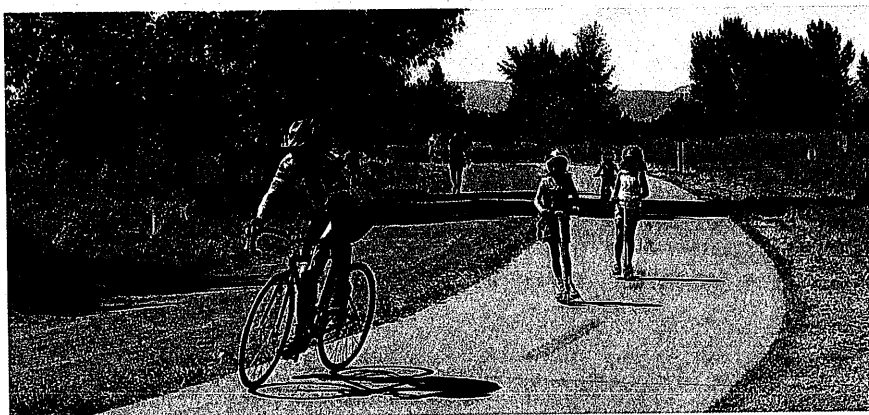
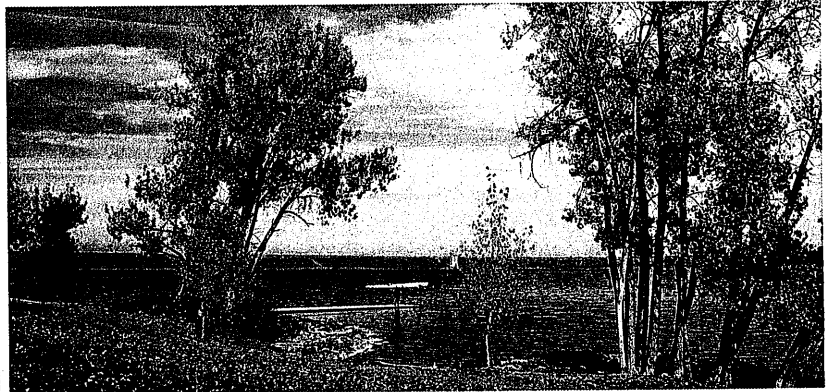
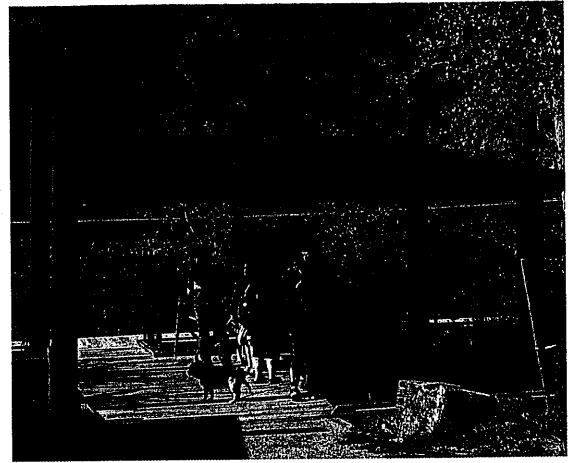
APPROVED AS TO FORM:
Adams County Attorney's Office


Attorney's Signature

Submittal of Proposal for:
**WILLOW BAY OPEN SPACE -
MASTER PLANNING AND LAND USE ENTITLEMENTS**

No. RFP-JTH-2019.311

ADAMS COUNTY, COLORADO
DEPARTMENT OF PARKS & OPEN SPACE
April 23, 2019



Submitted by:

stream
landscape architecture + planning



Adams County Finance Department
Purchasing Division
4430 South Adams County Parkway
Brighton, Colorado 80601

RFP Issue Date: March 26, 2019
RFP Number: RFP-JTH-2019.311
RFP Title: ***Willow Bay Open Space-Master Planning and Land Use Entitlements***
RFP Questions Due: April 2, 2019 4:00 PM MT
Proposal will be received until: April 12, 2019 2:00 PM

For additional information please contact: Jen Tierney Hammer
720-523-6049
Email Address: jtierney@adcogov.org

If any of the documents listed above are missing from this package, contact Adams County Purchasing. If you require additional information, call the Purchasing Division contact person. The undersigned hereby affirms that (1) he/she is a duly authorized agent of the Firm, (2) he/she has read all terms and conditions and technical specifications which were made available in conjunction with this solicitation and fully understands and accepts them unless specific variations have been expressly listed in his/her Proposal, (3) the Proposal is being submitted on behalf of the Firm in accordance with any terms and conditions set forth in this Solicitation, and (4) the Firm will accept any awards made to it as a result of the Proposal submitted herein for a minimum of 120 calendar days following the date of submission.

Addenda (list all): Addendum 1, Addendum 2, Addendum 3

Stream Design, LLC DBA Stream Landscape Architecture

04.16.2019

Contractor Name

Date

Paul Thomas

Signature

Printed Name

pthomas@streamla.com

Email

STREAM LANDSCAPE ARCHITECTURE

PROPOSAL TABLE OF CONTENTS

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8. Project Fee - Included in Separate Attachment	



COVER LETTER

April 23, 2019

Ms. Tierney Hammer
Adams County Government Center
Purchasing Division
4430 South Adams County Parkway
Brighton, Colorado 80601

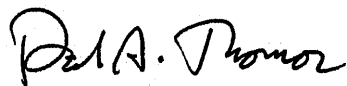
Re: RFP-JTH-2019.311--On-Call Landscape Design Professional Services at the Riverdale Regional Park

Dear Ms. Tierney Hammer, and members of the selection committee,
Stream Landscape Architecture and Planning (Stream) is very pleased to have the opportunity to submit our proposal for *Willow Bay Open Space-Master Planning and Land Use Entitlements* for your consideration. This is a very exciting project that can result in an exceptional open space and recreation amenity for Adams County. Stream believes that our team's expertise and experience match up extremely well with the project challenges.

We are very excited to include on our team a very well qualified group of long-term teaming partners, including Olsson for water quality testing, geomorphology, engineering (bank stability, floodplain evaluation, & civil/roadway), and land entitlement services; ERO Resources for ecological assessment and land management planning; Ballard King & Associates for recreation management strategy, Bob Toll, as an open space operations and administration expert resource, and the Community Language Cooperative (CLC) for Spanish language translation—if needed. This group brings an exceptional knowledge base for water resources, recreation, public involvement, and visionary thinking.

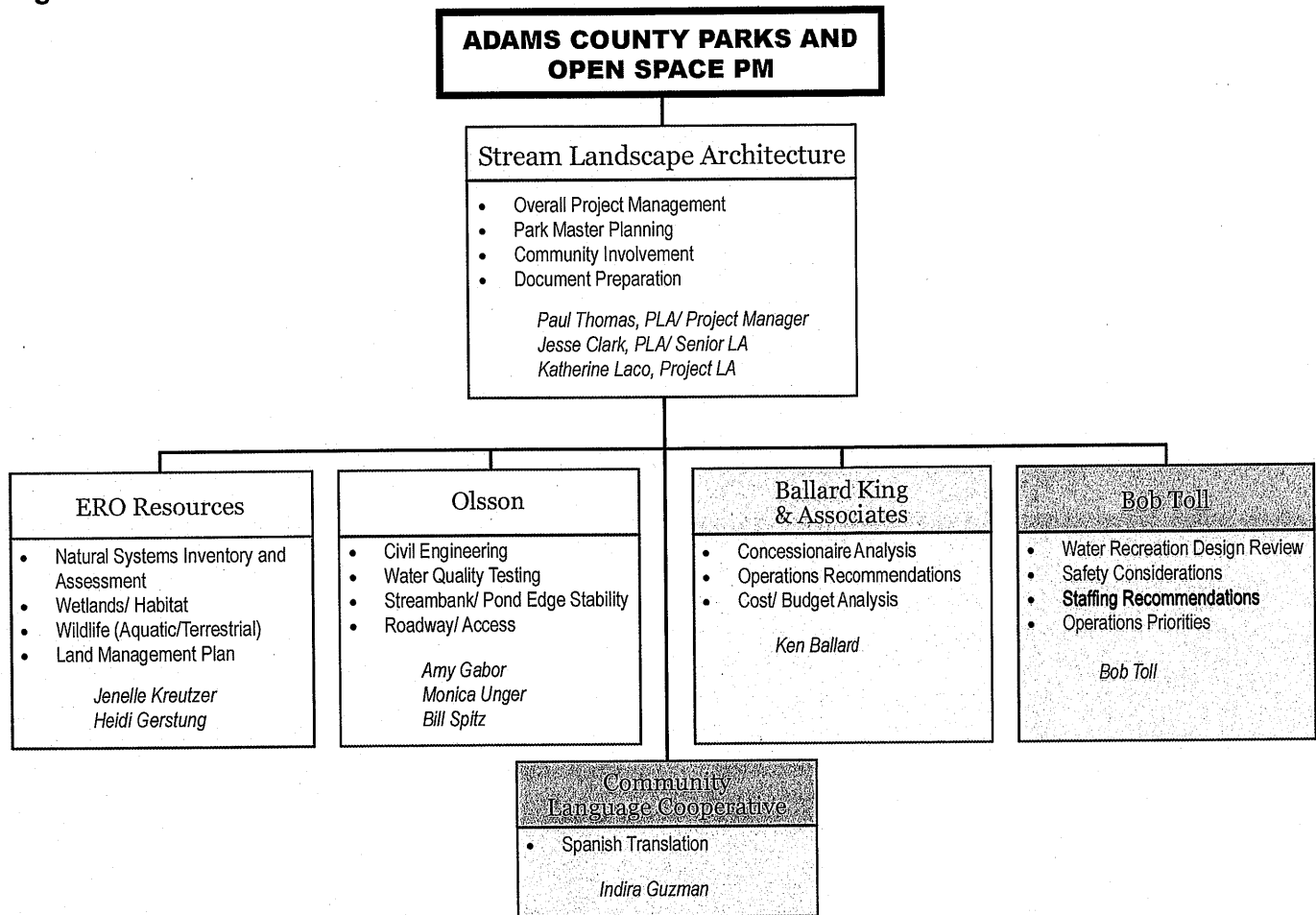
Willow Bay is an extremely important resource, with an incredible location on the South Platte corridor, and a potentially great complementary relationship with the County's Riverdale Regional Park, just upstream. However, the park has some design challenges—such as its lack of a flood spillway, tenuous bank stability, degraded natural areas, and its complicated ownership and access. The net result is a wonderful dynamic parcel that, with the right approach, can become a true gem for the County's open space system. We hope that this proposal convinces you that the Stream team is the group to help the County make this a reality.

Sincerely,



Paul Thomas
Principal and Vice-president, Stream Landscape Architecture
(Designated Project Manager and Single Point of Contact)
Email: pthomas@streamla.com / Tel: 720-663-7352
1245 E. Colfax Avenue, Suite 401
Denver, Colorado 80218

Organization Chart



Stream Landscape Architecture (Stream):

Stream's experience and body of work in the planning and design of parks and open space, recreation areas, and water-resource related projects provide us with strong **qualifications to take on the Willow Bay project**. We have worked to integrate streams and lakes into many of our recreation projects, and understand the issues related to combining drainage and water body functionality and safety with recreational activities. Notable pond/lake and stream improvement projects that Stream, and Stream principals (working with other firms) have led and completed over the years include:

- Twin Lakes Park Improvements (Adams County)
- Berkeley Park Lake Pedestrian and Habitat Improvements (Denver)
- Sloan's Lake Marina Master Plan and Phase 1 Improvements (Denver)
- Cherry Creek State Park—Mountain Loop Rec Area Renovation (Greenwood Village)
- S. Platte Corridor Vision Plan (Arapahoe County)

- Cherry Creek Corridor Drainage and Trail Improvements—Iliff Ave. to Quebec St. (Denver)

The firm also has extensive experience in master planning open space areas and recreational facilities, including:

- Clear Creek Mouth of Canyon Open Space Park Master Plan (Jefferson County)
- Lowry Community Parks Master Plan (Denver)
- St. Vrain Greenway (Longmont)
- Clear Creek Canyon Greenway Trail Feasibility Study (Jefferson County Open Space)
- Sand Creek Greenway Master Plan—Denver Segment (Denver)

We have found that while technical skills are essential to doing high quality work, oftentimes the success of a project hinges on non-technical skills such as conducting an **effective community engagement**. Stream is a firm believer that effective public input makes projects better, so we strive to involve people who normally do not participate in public projects, and get them to come to our events, or log onto our on-line resources, to share their thoughts about what they

GENERAL DESIGN TEAM INFORMATION

think is important—or needed—in their parks and open space facilities. Stream has recent experience with setting up and using on-line tools for two park and open space master planning projects for Arapahoe County Open Space. We set up, monitored and maintained project websites and on-line opinion surveys, and hosted special live webinar-style re-presentations of actual public meeting presentations (with live chat to accommodate questions from the audience) for members of the public who could not make the actual live public meeting.

Finally, Stream's approach is collaborative. We value multiple viewpoints and source of input not only when we are working with our clients and the public, but also with our teaming partners, whose expertise we value and depend on greatly, and with our in-house staff, where viewpoints and ideas from senior and junior staff are constantly shared and integrated into our concepts and designs.

Paul Thomas, Project Manager, Senior LA

Paul, a principal with Stream, has more than twenty-eight years of professional experience as a landscape architect, focused primarily on the planning and design of public recreation and open space projects in the Colorado front range area. Specializing in multi-disciplinary projects with challenging technical constraints including river corridors, lakes and reservoirs, sports parks, passive parks, and trails and open space, he is able to meld the technical and creative components of a projects to create elegant and functional landscapes. Paul has overseen master plans for the St. Vrain Greenway in Longmont, the Sloan's Lake Marina in Denver, and the 200+ acre Lowry Community Parks System, also in Denver. He is also very familiar with the key agencies involved in river corridor master planning within the Metro Area, and is able to bring key together and collaborate with the key individuals who are necessary to create effective project partnerships. Paul has a Master's of Landscape Architecture degree, and is a licensed landscape architect in the State of Colorado. For the Willow Bay project, Paul will lead project management, design, coordination of subconsultants, and preparation of final deliverables.

Jesse Clark, PLA LEED® AP, Senior LA

Jesse is the managing partner and founder of Stream with more than 22 years of professional experience in project management, site planning, design, construction documentation, and construction implementation. Jesse has a Master's of Landscape Architecture degree, and is a licensed landscape architect in the State of Colorado. His professional portfolio includes a variety of sustainable, innovative, and high-profile public projects in the Rocky Mountain region and nationally. His work includes planning, design, and implementation oversight for parks and open

spaces, trails, athletic facilities and fields, playgrounds, natural areas, storm water management facilities, streams and waterways, and environmental mitigation. For the Willow Bay Jesse will assist with planning and design, public engagement facilitation, and will perform quality review of all deliverables.

Katherine Laco, Landscape Designer

Katherine is a landscape designer for Stream with a bachelor's degree in landscape architecture. Katherine has four years of experience and is passionate about landscape architecture and the promise that it holds in improving our built and natural environments. She is highly organized, hard-working, and greatly enjoys collaborating with multiple disciplines on projects. Katherine's project experience ranges from park design, transportation planning, park structure design, and preparation of construction document packages. She will be an integral part of Stream's Willow Bay team, co-leading the production of analysis studies, master plan alternatives, and assisting in the production of the master plan document.

Olsson Associates (Olsson)

Olsson is a nationally recognized, employee-owned engineering and design firm. The Olsson team has extensive experience providing its clients with engineering services from the preliminary planning stages through design, and ultimately the construction of a project.

During the 2013 flood, several of Denver Water's water supply reservoirs located adjacent to the South Platte River were damaged. Olsson developed a 2D hydraulic model to determine the flow patterns and estimate the return frequency storm at which the reservoir embankments overtop, and identified improvements needed to protect the reservoirs during future flood events. Olsson is currently developing an updated floodplain model for the South Platte River from Weld County to Chatfield for the Urban Drainage and Flood Control District. As part of this effort, they are mapping the revised flood hazard area. Olsson's knowledge of the revised flood hazard mapping will provide the team with valuable information to assist in developing the open space master plan. In addition to the floodplain modeling, Olsson has the in-house resources to assist Adams County and the project team with water quality assessments, identifying needed civil infrastructure, conducting geomorphic assessments to evaluate bank protection along the river and pond edges and assisting with entitlement services.

Amy Gabor, PE, CFM, LEED® AP,

Project Engineer | Water

Amy has a Master of Science in Civil Engineering and has 14 years of experience. She is leading Olsson's

South Platte River floodplain modeling and flood hazard delineation. Her experience includes a range of water resources and land development projects, including major **drainageway planning, flood hazard area delineation, hydrologic and hydraulic modeling, open channel hydraulics, and streambank restoration.** Not only does she perform engineering services, she also knows how to work from planning and design all the way through construction. Along with her specific water-related experience, she has excelled as a project manager and understands that projects are about more than the technical expertise involved. In the multitude of projects, she has led, her responsibilities have included stakeholder coordination, keeping clients and subconsultants informed of project process, managing costs and schedules, and general quality checks on the work coming from others.

Monica Unger, PE, CFM, Team Leader | Civil

Monica has a Bachelor of Science in Civil Engineering and has 14 years of experience in the Denver/Metro area. She has served as a project manager for a variety of public and private projects including commercial and Industrial development, master planned communities, and residential development. Her professional experience includes entitlement services for projects in Brighton and Adams County. She is currently working on re-zoning and entitlements for the 2017 Villalobos Truck Yard in Adams County.

James Hix, PG, Senior Scientist | Environmental

James is a senior scientist with a bachelor's degree in geology from Colorado State University. His experience includes a wide variety of environmental experience that comprises environmental site assessment, characterization, and remediation; health and safety oversight; regulatory compliance audits for industrial facilities; surface and subsurface assessments, and groundwater investigations. His work includes surface water sampling in Boulder County for CDPHE water quality parameters; installing groundwater monitoring wells and collecting groundwater samples to assess groundwater quality; and conducting environmental compliance audits for a sand and gravel company operating along the South Platte River drainage including sites in Adams County.

Bill Spitz, PG, RG,

Subject Matter Expert | Fluvial Geomorphology

Bill has a Bachelor of Science in Geology and has 34 years of experience. He has conducted geomorphic analyses that integrate hydrology, hydraulics, sediment transport, geology, and geomorphology to develop process-based understandings of fluvial system dynamics. He has worked closely with federal, state, and local agencies and private clients on fluvial systems to address concerns and issues

involving stream channel stabilization and rehabilitation, and also restoration, enhancement, and management of riparian and aquatic habitat. Recently, Bill helped develop the "Fluvial Erosion Hazard Area Regulatory Guidelines Memorandum" and is a co-author of "Living Streambanks: A Manual of Bioengineering Treatments for Colorado Streams," both of which were prepared for the Colorado Water Conservation Board (CWCB).

ERO Resources Corporation (ERO)

ERO has been involved in consulting on natural resource planning and permitting projects throughout the Intermountain West since 1981 and is a recognized leader in providing services related to the assessment, mitigation, and management of natural resources. The firm's staff of about 60 professionals offers services in:

- Natural resources and ecology, and wildlife biology;
- Natural resource planning, hydrology/hydrogeology, and geology/environmental science;
- Cultural, historical and paleontological resources; and Geographic Information Systems (GIS)

ERO has worked on many projects along the Front Range of Colorado involving the development of native plant community reestablishment, wetland and riparian restoration, long-term vegetation management plans and guidelines, noxious weed management, and long-term monitoring. ERO has the expertise to integrate natural habitats with the varying levels of human use anticipated for each site that will result in functional restoration solutions. ERO is familiar with the Willow Bay Open Space, based in part on our work completing the Baseline Inventory and Phase I Environmental Site Assessment in 2017 and assisting with a grant application for Adams County. This existing knowledge of the project area will help streamline identification of key issues and opportunities for development of the open space and enhancement activities.

ERO will provide inventory of natural systems and assist with the land management plan, including recommendations on the site carrying capacity. ERO will also provide a general assessment of federal (404) permitting to be anticipated during the implementation phase of the Willow Bay project.

Jenelle Kreutzer, Ecologist

Jenelle has a strong background in rangeland ecology, specifically addressing disturbed land reclamation, invasive plant management, wetland delineation and mitigation, vegetation mapping, and habitat evaluation and enhancement. Since 2000, she has assisted clients with Clean Water Act (CWA) Section 404 permitting, wetland mitigation monitoring, and Endangered Species Act (ESA) compliance for transportation, water resource, and

GENERAL DESIGN TEAM INFORMATION

development projects. Her other areas of expertise include development of native plant restoration and mitigation plans, conducting rangeland monitoring programs, providing recommendations on use of Best Management Practices (BMPs), and overseeing construction of habitat restoration and wetland mitigation sites. **Jenelle has Bachelor of Science degree from Colorado State University in Rangeland Ecosystem Science with a Restoration Ecology concentration.**

Ballard*King and Associates (B*K)

B*K was established in 1992 by Ken Ballard and Jeff King in response to the need for market-driven and reality-based planning for parks and recreation agencies. **B*K has achieved over 26 years of success by realizing that each client's needs are specific and unique. With over 70 combined years of recreation and parks planning experience in the public sector, our consulting firm has been involved with 20 park plan studies and 65 parks and recreation system plans. The firm focuses its park planning efforts on market assessment, park amenity development, and park operations and maintenance. From pinpointing specifics to broad visions, B*K provides direction to ensure the long-term viability of a parks project. By bringing practical and proven experience to a project we can accurately represent the client's best interests. Our firm has a keen awareness of the impact parks and recreation services have on a community and the organization that is responsible for delivering these services.**

B*K will assist the team and the client group with understanding the management and operational needs of a water-based recreation facility like Willow Bay. They will also be key in understanding the pros and cons of engaging a concessionaire vs. handling park operations in-house.

Ken Ballard

As founding partner of B*K & Associates, Ken has over 35 years of experience in parks and recreation planning. Ken has provided planning, feasibility and operations consulting for more than 300 recreation projects across the country. This includes studies for 15 park projects across the United States. Ken is well known for his vast knowledge of recreation programming, facility development and operations, as well as organizational planning and facility maintenance. His expertise has been developed over the years from a wide breadth of experiences within the parks and recreation field. Ken has a Bachelors of Science degree in Recreation from the University of Colorado, and is a certified Parks & Recreation Professional.

Bob Toll (*Consulting Recreation Manager*)

Bob is a career recreation administration professional working in park management and operations, with

experience working in a variety of natural area, urban, and lake-focused parks throughout the front range. Bob has served in roles including Park Manager of Cherry Creek State Park (1994 to 2007), Open Space Manager for Arapahoe County (2007 to 2010), and Manager of the Denver Parks Ranger Program (2011 to present). His broad expertise makes him a great resource for Stream's team for Willow Bay, as Bob understands the "on the ground" issues related to managing and operating a publicly owned recreational facility—especially those with water-based recreation. **Bob's specific expertise with managing water recreation and concessionaire services at Cherry Creek Reservoir at Cherry Creek State Park will be invaluable in helping the team to consider all aspects of what a comprehensive master plan for Willow Bay should include. Bob has a Bachelor's of Science degree with a major in Parks and Outdoor Recreation Administration from Ohio State University. Some of Bob's key experience and capabilities include:**

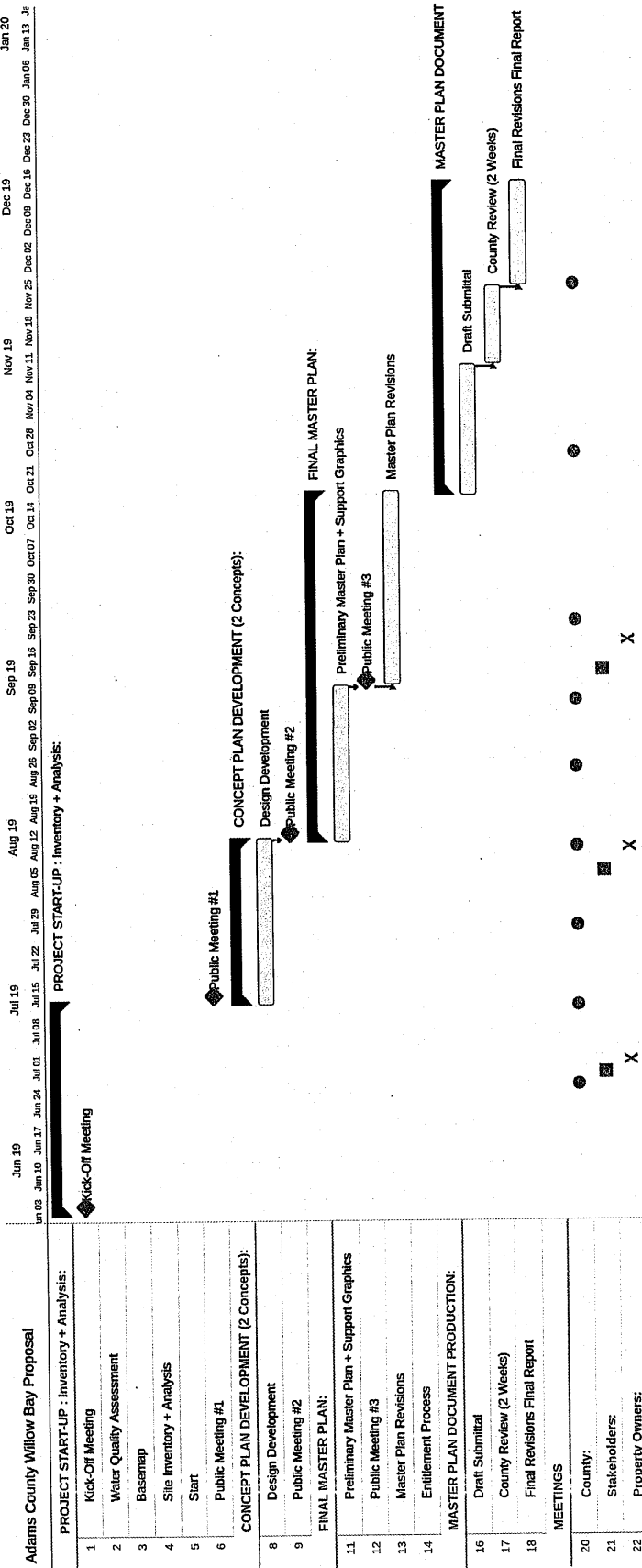
- **Managed and oversaw field operations at a variety of water-based recreation areas including Barr Lake State Park, Jackson Lake State Park, Sloan's Lake, Berkeley Lake, Rocky Mountain Park Lake, Ferrill Lake and Smith Lake, and developed park use rules and governance policies for these facilities;**
- **Provided input into design and operations of park facility development and renovation;**
- **Managed work plan development and budgets of up to \$2.5 million;**
- **Worked directly with the Denver Environmental Health Department on water quality issues related to lake recreation;**
- **Managed 4200 acres of parkland and water that hosted 1.5 million visitors annually.**
- **Managed concession providers including park Marina.**

Bob will serve as an expert resource on recreational facility management and operations, and will share his expertise to assist with the development of management strategies. He will also review physical layout alternatives for functionality, safety, and resource protection.

Community Language Cooperative (*Spanish Translation*)

The Community Language Cooperative (CLC) was formed in 2014 by a group of community interpreters who work on a variety of community issues. The CLC provides interpretation services, public involvement plans, focus groups, and inclusivity and diversity trainings to make community, academic, and governmental events and meetings more inclusive and accessible to all stakeholders, but especially those that are not always resent when decisions affecting their communities are made because of language barriers.

Schedule



DETAILED PROJECT APPROACH

The Willow Bay Open Space stands to present a rich open space and recreational experience to **Adams County residents and the north metro community**. **Stream's** approach is to conduct a master planning process that is strategic, with a constant focus on implementation, and the necessary steps and improvements required for the County to bring this facility on-line as soon as possible for **the community to use and enjoy**. The project efforts will primarily consist of:

- Developing a baseline understanding of the park resource and its issues and opportunities, and general suitability for recreational uses;
- Creating a programming strategy and a plan/ layout of physical improvements (for safety/stability/functionality, recreational use & access, and natural systems protection and enhancement);
- Crafting a management and operations objectives and strategy, including an understanding of what type of **concessionaire arrangements or in-house staffing/ hiring** might need to be addressed by the County.
- The following are some of the primary project issues and objectives that the Stream team has identified for the project:

Active engagement of the public into the planning process

Since Willow Bay is a regional open space and recreational resource for the County, the public outreach process should **recognize this regional importance and engage people** across a broad (geographic and cultural/economic) swath of the community to make sure that the community at large (and not just the adjacent neighborhoods) has a strong say **in how their open space is developed**. **The Stream team will** pursue a broad and diverse strategy for public engagement that reaches out to as many sectors of the local and regional **population as possible**. While traditional approaches, such as public meetings, will be used to obtain community input and feedback, a wide variety of other techniques will be employed to reach those segments of the community who **tend to avoid public meetings or are unable to attend**. **Below are highlights of our proposed approach**. We understand that Adams County staff will have invaluable insight as how to best reach certain elements of the constituency, and fully anticipate that our public outreach and engagement process will evolve through the consultant team's discussions and **collaboration with Adams County staff**. Techniques that the team proposes to use include:

- Project Communication Network: At the outset of the project, develop a "Willow Bay Network Group" and use it to get the word out about meetings, on-line project updates, and even to distribute draft and master plans

for comment and feedback. The public network will consist of existing community groups and institutions within a 5-mile radius of the park, including registered **neighborhood organizations and community groups with interest in the development of open space facilities**. The network will be continually updated with contact information for public meeting attendees and social media participants to make it as inclusive as possible. The team will also take advantage of resources and networks developed for other major planning initiatives such as the Adams County Riverdale Regional Park master plan public outreach process, and use the contacts made during that process to help build a constituency of engaged public for the Willow Bay master planning effort.

- On-site public engagement events:



On-site events can create public interest in a project.

Stream would recommend and help organize on-site open-house style events for the public at Willow Bay that allow the community to come in and view the property so that they can start to get excited about this great open space resource, and hopefully provide more specific feedback on what the vision for Willow Bay should be. Events could take place on a Saturday, possibly with lunch or snacks provided to attract as many folks as possible. Shade tents and small presentation stations manned by consultant team and County staff would be a great way to share and gain information about the project. (This is a possible option for the first public meeting.)

- Multi-lingual approach (optional service depending on County's in-house capabilities): Many of the constituents in the County do not speak English as a first language. It is imperative that the public engagement process is equitable to these non-native speakers by providing them with a way to participate in the process. Some of the techniques that Stream has used in the past include:
 - Translation of all meeting materials (presentation

boards, handouts, etc.) into Spanish, and contemporaneous Spanish language translation during public meetings, with on-site interpreters and headsets for Spanish speaking attendees to use to hear the translated meeting presentation.

- A bilingual project webpage which members of the community can use to learn about the project, see past presentation boards and materials, project schedules, master plan concepts, and importantly, a which provides an interface that allows website users to voice their opinions about project issues, alternative choices, etc.
- On-Line Presence: The consultant team will coordinate with Adams County to provide a strong web presence for the project, creating materials to be posted on Adams County's website, information, and other methods to get the message out about the project, advertise meetings, solicit feedback on concepts, and to disseminate the final plan. It should be noted that a significant portion of the community, especially the older segment, does not regularly use email or the internet. A strategy to communicate with these folks using regular mail, phone calls, posting of project plans in recreation centers, libraries, and other public places, will be a necessary component of the overall outreach strategy. If desired, the team can also help the County with a social media campaign (not currently included in scope) to further the visibility of the project and to generate support and feedback from the public.

Resource protection

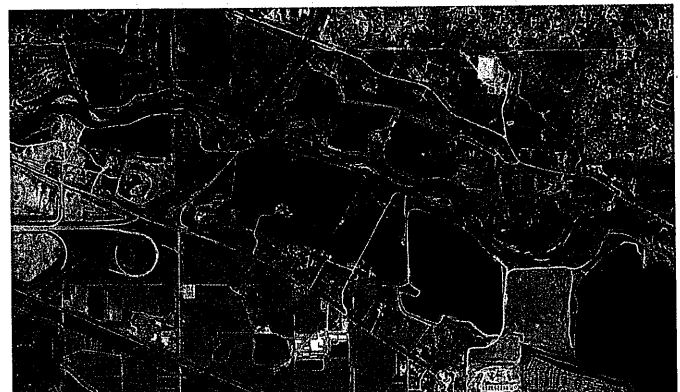
Stream will work with our team and Adams County to carefully evaluate the natural resources in light of the proposed recreational uses that are envisioned, and propose a healthy balance of recreation and resource protection that makes Willow Bay a place that visitors want to keep coming back to—not only as a place to fish, paddle, and kayak, but more importantly, as a place to enjoy nature,



Willow Bay offers users a variety of diverse landscapes to enjoy.

wildlife, and open spaces. The Stream team will plan the park holistically—from the western limits of the park along the South Platte River to its eastern edge wetlands of 2nd Creek along the agricultural land uses along Brighton Road. While the pond is the clear focus of Willow Bay, the open space is more than just the pond, and the design should emphasize and engage visitors with the diversity of outdoor experiences available throughout the different areas of the park.

- An Outstanding Wildlife Resource: As one would expect, the South Platte River corridor and adjacent ponds such as Willow Bay are extremely valuable wildlife habitat resources for the region. Willow Bay is within a corridor known for eagle, blue heron, and wild turkey foraging, and host to many migratory species. Wildlife watching can and should be a key attraction for Willow Bay visitors, and the master plan should actively consider how the proposed plan improvements might affect the use of the site by wildlife, especially once recreational activities are in full effect. Decisions that might be considered are whether the current peninsula should remain in its current function as prime recreation access, or perhaps take on a different role. One possibility would be to remove the road the connects the peninsula to the main park area to create an island in the middle of Willow Bay, which could be revegetated



Willow Bay is part of a fantastic wildlife corridor. Planning should consider the great value of wildlife as a recreational attraction and plan for this on a regional scale.

to become a haven for wildlife. While potentially still accessible by the recreational water craft, the island would be protected from predatory species such as feral cats and dogs, coyotes, etc., likely resulting in a thriving habitat for avian species. These types of ideas will be presented by the team during the give-and-take discussions that will occur with County staff regarding finding the right balance of developing recreational uses vs. protecting and enhancing habitat, which will be very important in determining the type of place that Willow Bay is to become.

DETAILED PROJECT APPROACH

- **Natural Area Evaluation and Protection:** An important objective of this master plan process is to identify measures and recommendations to protect and **enhance the natural resources of the property.** These are anticipated to include specific recommendations related to wetland management and enhancement, invasive species management, vegetation and shoreline protection, and environmental education and interpretation. The South Platte River is an important wildlife corridor and expansion and enhancement of habitat along the river or pond would increase species diversity and wetland/riparian functions. Expansion of wetland and riparian areas along the pond would also provide opportunities for aquatic enhancement and water quality improvement. Second Creek also provides opportunities for enhancement and possibilities for stream restoration to increase ecological functions of the creek.

Address fundamental drainage and flood plain issues.

The design team will need to address some key issues related to the function and stability of the drainage network at Willow Bay, including:



Second Creek is poorly defined where it enters the Willow Bay site.

- **Understanding how the pond inflow/outflow works with of the currently uncontrolled inflow from the 2nd Creek drainage given the pond's current lack of a spillway, especially during floods;**
- **The eroding banks along the South Platte River near the pond, and how to best protect the narrow sliver of land that separates the river from the pond, and**
- **The stability of the banks within the pond itself, which are prone to significant wave action**

These are all issues that must be priorities of the overall plan, and will likely may will drive some of the most important improvements to be made to Willow Bay to assure the long-term viability of Willow Bay as a recreational



The wetlands between Second Creek and the pond create a unique habitat area.

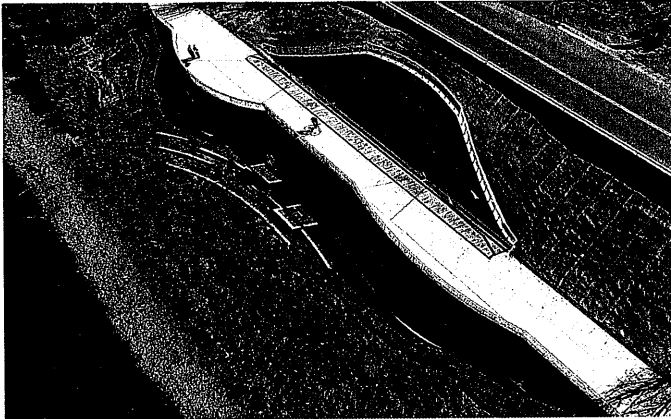
resource. Recently we have seen the hazards related to flooding of ponds located close to major drainageways, such as at Izaak Walton Pond in Longmont, where the "dike" between the pond and the adjacent river breached during flooding in 2013, resulting in the draining of the pond, and the subsequent need for major repairs to reestablish the pond pool. Understanding the drainage from 2nd Creek into Willow Bay, the hydrology and hydraulics of the South Platte River and its potential effects on its banks, and assessing the potential effects of flood flows on the dike between



The divide between Willow Bay and The South Platte River is very narrow and shows signs of erosion.

the river and the pond will be primary components of the master plan. Stream's (and its principal's) long history of working on stream and pond edge stabilization projects for entities such as the Urban Drainage and Flood Control District, Cherry Creek (Reservoir) State Park, and the City of Denver Parks and Recreation (Sloan's Lake and Berkeley Lake) will help us to address needed improvements to pond, river, and drainageway stability while providing other enhancements and value for the Willow Bay Open Space. Most critical perhaps is the need for a reinforced pond spillway into the South Platte. Without this, the entire Willow Bay facility will be at risk if extreme flooding were to hit the 2nd Creek basin. These types of spillways, with

recreational trails running along the top of the dike, as will soon be the case at Willow Bay, are a design challenge, as the reinforced spillway weirs are often not compatible with the ADA accessible design requirements desired for regional trails. Stream encountered a similar situation when working with engineers on a large culvert outfall that will dump a significant amount of drainage right into the path of the South Platte Greenway in the RiNo neighborhood of Denver. This conflict was seamlessly resolved with an integrated custom culvert outfall and a pedestrian bridge over the flows from the culvert.



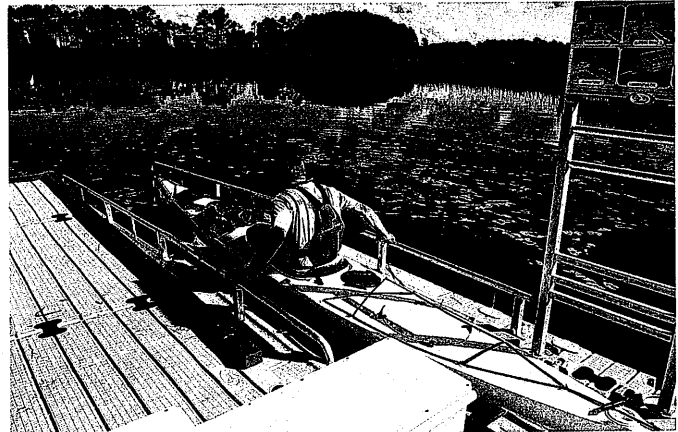
This section of The South Platte Greenway Trail bridges over a large culvert outfall in Denver. A similar condition may arise if a spillway is created on the Willow Bay dike.

Water access for ADA accessibility, heavy levels of use, and emergency response

It will behoove the team undertaking the Master Plan to study and understand the dynamics of water recreation and its operational requirements around the entire perimeter of the pond. A well-conceived arrangement of access and use areas will:

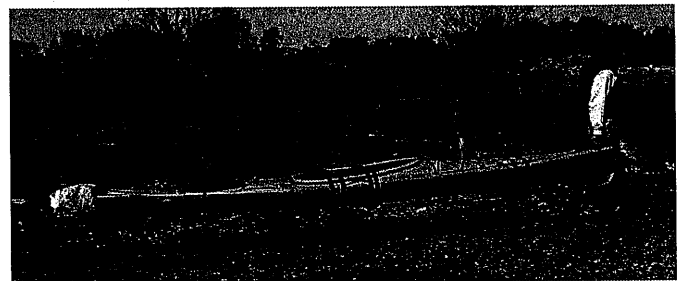
- Provide a high level of convenience and access to the pond;
- Accommodate water recreation users with wide ranges of experience;
- Prevent habitat impacts and minimize social trails;
- Reduce user conflicts;
- Facilitate operations and emergency access, and;
- Provide the maximum level of ADA-level access to the water resource for water sports, fishing, and for passive enjoyment of the water's edge without negatively impacting the enjoyment of the site for others.

Stream understands that there are a number of dynamics in play in designing water-based recreation areas. We have already mentioned ADA access, which must be provided to the ponds "normal water surface" from key locations such as the parking lot, restroom, and picnic shelters. Special docks may be considered for final access into water for



The design team will design for ADA access for kayakers and boaters.

kayaks, etc. In addition, the simple process of getting water craft from a visitor's vehicle in the parking lot to the water becomes very important; can the small carts that boaters frequently use easily negotiate the access path comfortably, or can park visitors carrying their kayaks on their shoulders manage to get to the water without whacking unsuspecting pedestrians, or avoiding trip hazards? These accessibility needs are balanced by the negative impacts of having a parking lot too close to the pond resource, which can include noise and water quality impacts to the lake environment, as well as aesthetic impacts, and impairment of users' experiencing of nature at the site. Stream will develop



Access between pond put-ins and the parking lot must accommodate a variety of pedestrian modes and craft, such as this kayak cart.

many preliminary diagrams to understand all possible arrangements of uses, and to essentially test the site plans for a wide range of different use scenarios. These scenarios include the typical access requirements and site connectivity mentioned above, but also include situations such as the need for emergency response, or retrieving visitors whose boats or paddle boards are blown to the opposite shore, etc. Questions will be asked such as what happens if a boater gets pushed by storm winds to the northern bank of Willow Bay, and is unable to paddle back? This testing on our preliminary diagrams will help us to narrow the options down to 2 or 3 primary arrangements that best meet the overall needs of the site, and these will become the basis for our concept master plan alternatives.

RELEVANT EXPERIENCE

Project Lead/ Firm: Jesse Clark/ Wenk Associates

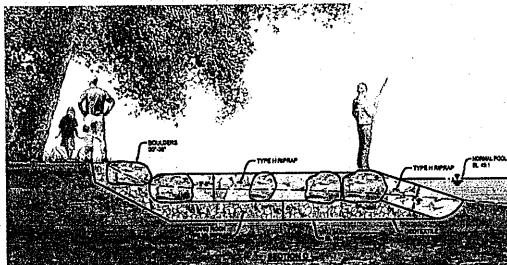
Project Location: Arapahoe County, Colorado

Date of Completion: 2010

Project Reference: Bill Ruzzo/ CCBWQA

Representative; Tel: 303-985-1091;

Email: bill.ruzzo@comcast.net



*Stream Principal Jesse Clark, was the overall project manager and lead designer/ landscape architect for the project while with another firm during which time he led the overall visioning process, and collaborated with project engineers to develop the design, special details, and layout of the improvements and recreation areas.

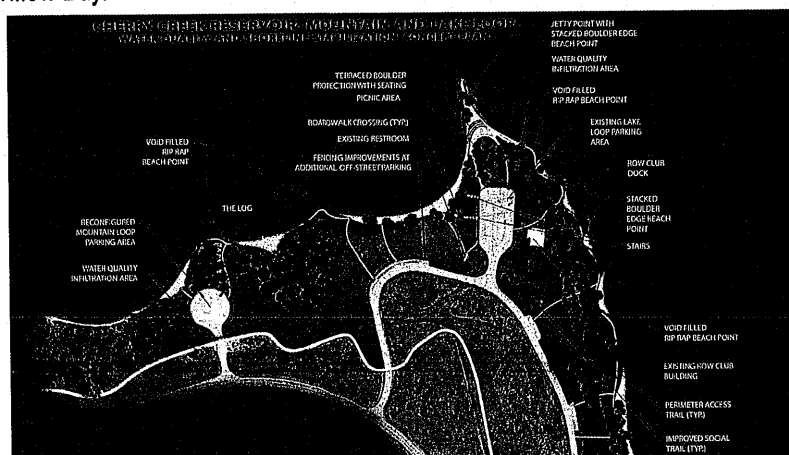
Mountain Loop + Lake Loop

Renovations of the 6.5-acre "Mountain Loop" and "Lake Loop" recreation areas at Cherry Creek State Park began as part of the Cherry Creek Basin Water Quality Authority's (CCBWQA) effort to reduce pollution and erosion at the Cherry Creek Reservoir. The specific objectives of this project were to address soil and shoreline erosion around the reservoir's perimeter while enhancing amenities for the dramatically higher levels of recreational activity occurring in these "Loop" areas due to overuse at other existing recreational areas around the reservoir. Over 2,300 lineal feet of shoreline and adjacent open space areas at the Mountain and Lake Loop recreation areas were experiencing severe erosion, large cut-banks, and degradation due to impacts from heavy recreational use, wave action, ice push, and concentrated runoff from the parking areas and roads.

The recreation improvements and shoreline stabilization measures were based on working with natural processes to stabilize and protect existing shoreline while also enhancing the visitor experience for regional trail use and access, picnicking, boating, and fishing. The design solutions centered on the preservation of the valuable existing vegetation and mature trees, and the creation of strategically located shoreline improvements and "jetty-points" which, given the direction of the prevailing winds and wave action, work to induce sedimentation of sand along the eroded stretches of shoreline – ultimately building up the beach areas while protecting the areas from erosion and ice-push (a force often overlooked in lake recreation planning in our region). In addition, the management of multi-modal access and circulation through the use of fences and strategic trail design reduced social trail development. The design of efficient and environmentally responsible parking areas addressed water quality concerns caused by unchecked runoff, and blended the parking area into the landscape. ADA access / universal accessibility was also provided.

Nearly 10 years later, the proposed solutions are functioning as planned - having dramatically reduced shoreline erosion, developed better beach areas and recreational amenities, and succeeding in decreasing operational and maintenance requirements for park managers. All while greatly improving the ecological and recreational value of the shoreline.

Relevance to Willow Bay: Like Willow Bay, Mountain Loop and Lake Loop recreation areas are public water recreation areas that must balance protection of the resource with the development of recreational facilities. The design approach for these areas focused on working with natural processes to improve the water resource and overall water access while maintaining and protecting the natural beauty of the site. Stream will take a similar approach at Willow Bay.



Sloan's Lake Marina

Stream principal Paul Thomas led the master planning process and the preparation of construction drawings for \$2.5 million of improvements to the marina area at Sloan's Lake Park in Denver while working at another firm. The project rehabilitated the blighted marina and its surrounds, which had once been the center of boating activity for the Denver area prior to the development of Cherry Creek Reservoir in the 50s. After other boating lakes were developed, the Marina started falling into lack of use and disrepair and became a blight on the community. The project entailed an extensive public engagement and visioning process to identify what new purposes the marina would fulfill for the community, and included evaluation of the new role of non-motorized boating (in addition to the continued use of the marina by motorized boats). The project team looked at a wide range of program elements and service delivery alternatives, including potential concessionaires to provide recreation-based boat and bicycle rentals. The restored marina was designed to continue to provide traditional boating infrastructure while serving much more as a park and open space amenity for the surrounding community, with enhanced facilities for passive and active recreation, and as a venue for major cultural events such as the Dragon Boat Festival, (a pan-Asian celebration).

Relevance to Willow Bay: The Willow Bay project will require similar consideration of engaging a concessionaire for rentals and other services. Numerous conversations with local concessionaires were conducted as part of the background research for the Sloan's Lake Marina Master Plan. This knowledge will be invaluable as background for similar discussions regarding Willow Bay operations and management.

*Stream Principal Paul Thomas, was the overall project manager and lead designer/ landscape architect for the project while with another firm. He also provided construction observation for the project.

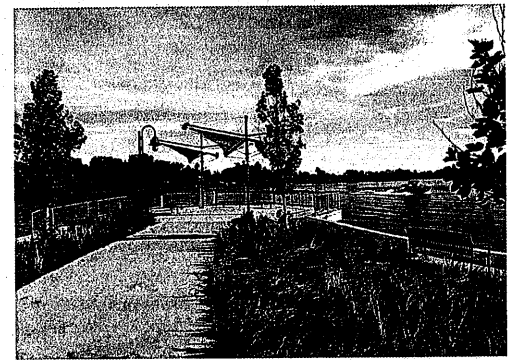
Project Lead/ Firm: Paul Thomas/ URS Corporation

Project Location: Denver, Colorado

Date of Completion: 2012

Project Reference: Jeru Parikh / Senior LA Denver Parks and Rec; Tel: 720-913-0619;

Email: Jeru.Parikh@denvergov.org



Foss Waterway Park Operations and Management Plan

This plan is being completed by B*K in concert with Tacoma Metro Parks and the Foss Waterway Development Authority. B*K is working with Site Workshop, who is managing the project. The plan is based on a vision for the project as being a site for human powered watercraft on the Foss Waterway and the need to serve a variety of established and new organizations as well as the general public. B*K's work includes a demographic and market review and examines a number of operations and management options ranging from Metro Parks self-operation to contracting with concessionaire for a portion or all aspects of the facility. B*K also is responsible for the development of the operational budget for the park.

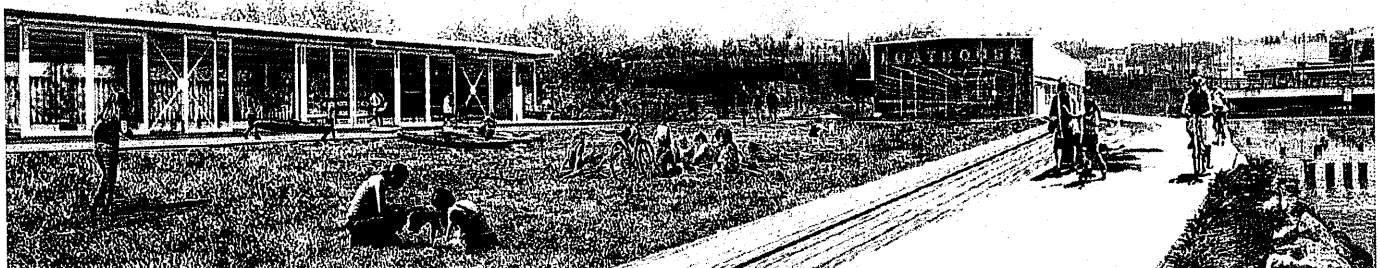
Relevance to Willow Bay: Much like at Willow Bay, Tacoma Metro Parks and the Foss Waterway Development Authority had questions regarding the best way to manage its proposed non-motorized recreational facility. Through exploration of options developed by Ballard King, the authority is much closer to determining the operations and management strategy for the facility.

Project Lead/ Firm: Ken Ballard/ Ballard*King & Associates (subconsultant to Site Workshop)

Project Location: Tacoma, Washington

Date of Completion: B*K's work on the project is expected to be completed in the next 30 days

Project Reference: Kristie Evans / Project Administrator Metro Parks Tacoma; Tel: 253-305-1054; Email: kristie@tacomaparks.com



Graphic courtesy of Site Workshop.

SCOPE OF SERVICES

Scope

This scope is a supplement to the scope described in the RFP. At a minimum, all of the tasks described in the RFP will be performed under this proposal. However, for brevity, not all of the detail listed in the RFP scope description is included in this project scope description.

Start Up / Inventory and Analysis Phase

- Perform initial site visit to preliminarily assess the site and document site with observation notes and site photography (if possible perform this task in association with County staff);
- Conduct project kickoff meeting with Adco staff and key subconsultants:
 - Confirm project objectives and general process, develop project schedule, including public outreach process and tentative dates for all public meetings. Identify/confirm members of stakeholder committee, as well as technical resources/contacts in other Adams County departments (public works, design review, etc.). Develop understanding of future funding, need for phasing, etc.
- **Water Quality Assessment:** Collect 3 samples and field parameters (temperature, dissolved O₂, etc.). Submit to lab for testing. Establish baseline for future monitoring. Identify water quality deficiencies; consult with Tri-County Health department to determine the appropriate level of water contact that should be allowed; identify potential issues to address or opportunities to improve water quality in the lake.
- Develop project basemap; perform supplemental survey (one day of survey estimated) to supplement existing LIDAR data, County GIS layers, and ALTA survey to show property boundaries, existing improvements, structures, utilities (above and underground), drainageways and floodplain, lake edge, water surface, bathymetric survey of lake, and wetlands and critical habitat areas. (Wetlands and critical habitat areas to be mapped on aerials, then field verified. Information to be transferred to project basemap.)
- **Bank stabilization evaluation:** Conduct a geomorphic assessment of area between S. Platte and Willow Bay and prepare a technical memorandum. Develop concepts and costs to stabilize the bank around the lake perimeter. Develop concepts and costs to stabilize the riverside of the embankment.
- **Floodplain impacts evaluation:** For S. Platte River, identify how the current and future floodplain and floodway delineations affect the site, and, Develop a concept and costs for a spillway to allow the S. Platte River to flow into and drain out of the lake during high flow events in order to protect the embankment.
- Evaluate site for necessary and potential improvements and limitations. Develop opportunity and constraints plan for use in progress meetings and public presentations, and for inclusion in MP document.
- Evaluate site for site drainage: Evaluate runoff patterns and rates for the proposed master plan improvements, and prepare technical memorandum.
- Meet as required with Adams County Project Manager (assume every two weeks during masterplan phase).
- Meet with adjacent land owners prior to each public meeting to present meeting content (Assume 3 meetings total, one this phase).
- **Conduct multi-faceted public involvement process.** Consultant team will develop and facilitate strategies in concert with Adams County staff, which will include:
 - Develop and host an interactive online tool with the ability to collect the same data as the public meetings for those not able to attend meetings. (Website will be active through final plan adoption. Public feedback opportunities will be available in conjunction with all public meetings.)
 - Design promotional materials for each public meeting and for the project website.
 - Formation of, and meetings with, a stakeholder group (2 meetings total, 1 this phase)
- **Prepare for and Conduct Public Meeting No. 1 at end of Start-Up/ Inventory and Analysis Phase or at beginning of Alternative Development.** Goal of meeting is to orient attendees to the property, its opportunities and constraints. Present a preliminary programming "menu" (developed in collaboration with County staff) of potential improvements and management options for feedback and prioritization by attendees and on-line participants. Programming options will include recreational amenities, site infrastructure (drainage improvements, lake spillway, park entrance(s) and access roads, parking, restrooms, others), and other site improvements (habitat enhancement, protected areas vs. activity areas, etc.). Record feedback from meeting attendees to utilize in developing concepts for the site.

For all Public Meetings the consultant team shall provide the following:

- print graphics, presentation boards, etc.
- lead the public meeting presentations.
- provide all easels, boards, writing instruments, and other aides needed for meeting.

Deliverables this phase

- Photos and notes from site assessment;

- Project schedule;
- Project basemaps (including additional survey information)
- Stakeholder contact list
- Water quality testing report
- Opportunity and constraints plan
- Meeting notes from progress meetings, adjacent property owner meetings, and public meetings and on-line input.
- Plan for on-line presence: website, on-line opinion survey, etc.

Alternative Development Phase

- Develop a minimum of two site master plan concept plans, including primary access, parking, trail circulation, drainage and roadway infrastructure improvements, **habitat improvements, etc. Concepts shall include information on conceptual grading and planting, and all proposed activities / recreation.**
- Develop preliminary support graphics for each alternative, including and illustrative site plan, and conceptual details, cross sections, precedent imagery, and/or perspective graphics that communicate the **design intent of primary open space areas.**
- Meet with the Board of County Commissioners (BOCC) to present master plan concept alternatives for council feedback;
- Prior to second public meeting, meet with adjacent land owners to present concept alternative master plans and obtain feedback. **(Assume separate meetings with each of the two property owners.)**
- Revise concept plans according to feedback received from BOCC and adjacent prop. owners (if necessary).
- Conduct second public meeting: Present the concept alternative master plans (and support graphics for each) **for the open space park. Alternatives shall indicate all proposed forms of recreation and specify the character envisioned for the site. Attendees shall be given an opportunity to provide feedback on the designs. Record feedback from meeting attendees to inform the final master plan concept.**
- Meet with County staff, and discuss feedback received from all sources of feedback including the BOCC, adjacent property owners, and all public engagement sources. **Select a preferred concept alternative master plan (or combine aspects of multiple plans to develop a hybrid preferred concept). The preferred concept alternative will be developed further in the Master Plan Phase.**

Deliverables this phase

- Concept alternative master plans
- Supporting graphics
- Meeting notes from progress meetings, BOCC meeting, adjacent property owner meetings, and public meetings and on-line input.
- Documentation of selection process for preferred master plan alternative.

Master Plan

- Revise / develop preferred concept alternative master plan into **draft master plan. Working with County staff and all consultant team members, develop composite plan that shows the layout of all improvements, conceptual grading and planting, any proposed management areas (protected habitat vs. activity nodes, drainage corridors, etc). Revise support graphics for preferred alternative, including conceptual details for key park elements, park character sketches/perspectives, precedent imagery, etc.**
- Develop preliminary master plan opinion of probable construction costs, and phasing plan, if desired by the County.
- Meet with adjacent property owners and County staff to present draft master plan and supporting information;
- **Prepare for and conduct third public meeting. Present draft master plan information and graphics to the public, (in actual meeting, and through on-line postings, etc.). Record and tally feedback.**
- Meet with County staff and present public feedback summary. **Collectively identify any master plan revisions to be made.**
- **Revise plan and costs as required.**
- Provide graphics and/or PowerPoint presentations to facilitate presentations to the Board of County Commissioners by Adams County Parks and Open Space staff in conjunction with the second and third public meetings.
- **Prepare Master Plan Document.**

Deliverables this phase

- **Consolidated, well organized, and graphically attractive Master Plan Document, including, at a minimum:**
 - Goals and objectives of the master plan;
 - Discussion of the process used to create the master plan;
 - Orientation to the property (location, existing site conditions, limitations, etc.), including discussion of the terms of the conservation easement that

SCOPE OF SERVICES

protects the property;

- Context of the property within the surrounding area, including a discussion of recreational opportunities that are or will be available on nearby properties (South Platte River corridor from 104th Avenue to Highway 7) and opportunities that are lacking in the same area;
- Initial vision for the property;
- Discussion of bathymetric survey and water quality assessment;
- Discussion and photos of the public outreach process and summaries of the feedback received;
- Discussion of alternatives, including reasoning why preferred alternative was chosen (and why other alternatives were not chosen);
- Illustrative master plan drawing and supporting graphics to communicate the intent of the proposed improvement plan;
- Master Plan recommendations: plan drawing, renderings, and text describing proposed improvements in detail and considerations for full **development of the property. Components shall include:**
 - Necessary site improvements (bank stabilization, boundary control, etc.)
 - Infrastructure improvements
 - Recreational amenities
 - Trails / circulation
 - Access/parking
 - ADA accessibility
 - **Water recreation and access (fishing, non-motorized boating)**
 - Natural resource and wildlife habitat protection
 - Land and recreation management plan, including use of in-house staff **vs. concessionaire, and management** recommendations to preventing overuse of the site;
 - Mitigating impacts to adjacent landowners
 - Water management strategies (long term strategies that address monitoring and mitigation of water quality issues for both recreation and habitat protection)
 - A phasing plan, if necessary
 - Cost estimate (by phase, if necessary)

Add Alternate - Land Use Entitlements:

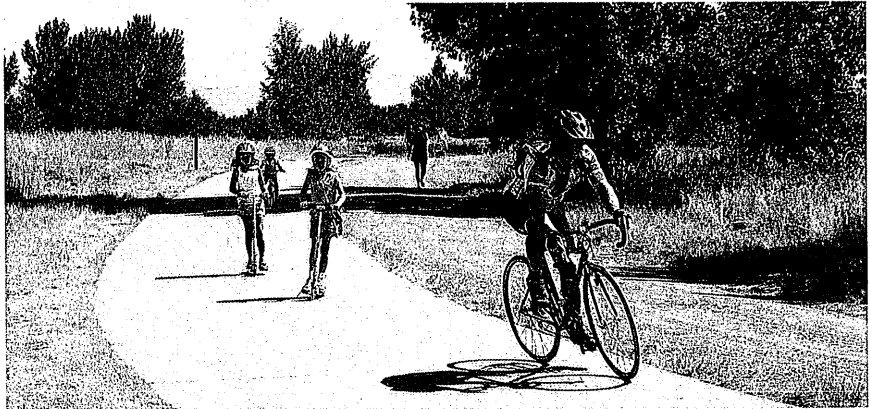
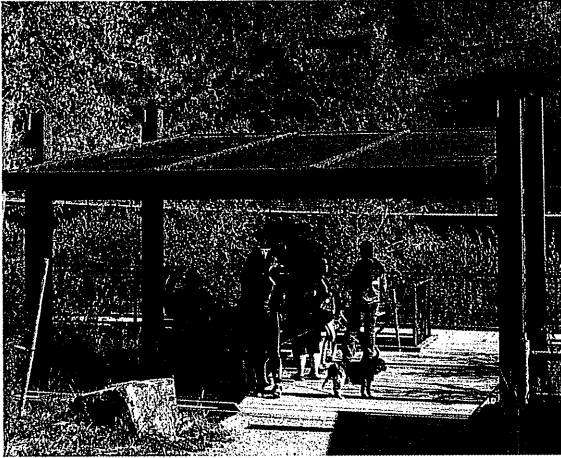
The site is currently zoned Preliminary Planned Unit Development (PUD). The PUD document may need to be

amended to allow the land uses proposed by the master plan, or a re-zoning to a straight zone district may be appropriate. We understand that the City of Brighton would prefer a PUD zoning that would include the two residential properties. However, the property owners would have to be willing to participate in the process. We anticipate that securing land use entitlements will include rezoning and platting. The exact process is not yet known. We suggest a meeting with the City of Brighton to discuss the County's goals for the property and the City's long-range plans for the area, and determine what the entitlement process and timeline will be. The Stream team has all the resources necessary to prepare the necessary documents, reports and surveys. (It is assumed that title work services will be obtained directly by the County per Addendum 1). Additional tasks anticipated to be required in addition to the subdivision plan and plat & PUD include: drainage plan, roadway improvements and the application submittals.

Scope Assumptions:

- The County will provide arrangements for meetings, and meeting logistics, including arranging for a meeting space, providing refreshments, and advertising the meetings.
- The master plan document shall be created using Adobe InDesign Document submittals shall be made digitally, in pdf format. No printing of hardcopies of plans or documents is included in this scope.
- Master plan drawings/maps shall be prepared using AutoCad, and Adobe Photoshop and Illustrator.
- It is not anticipated that GIS documents shall be generated for the master planning process or document.
- Reproductions required for presentations, public meetings, etc., shall be billed per the attached expense list.
- The County will provide the following:
 - GIS Data, including the following data for ArcMap:
 - Roadways
 - Trails
 - Parcels
 - Lakes
 - Rivers
 - Irrigation ditches
 - Existing and proposed stormwater improvements
 - Parks and open spaces (County owned or managed)
 - Floodplain/Floodway data
 - 2014 Contours (2 foot intervals)
 - 2016 Aerials

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Submitted by:

stream
landscape architecture + planning

**Stream Landscape Architecture Project Scope and Fee for:
Willow Bay Open Space Master Planning**

23-Apr-19	Stream Landscape	Olsson Engineering	Ballard King	ERO Resources	Bob Toll	Spanish Translaton	Subtotal by Phase	
Title:	Lump Sum	Lump Sum	Lump Sum	Lump Sum	Lump Sum	Lump Sum		
	\$ 1	\$ 1	\$ 1	\$ 1	\$ 1	\$ 1		
Project Task / Phase:								
START UP / INVENTORY & ANALYSIS PHASE	\$ 21,330	\$ 27,270	\$ 1,500	\$ 4,500	\$ 500		\$ 55,100	
ALTERNATIVE DEVELOPMENT PHASE	\$ 23,100	\$ 9,664	\$ 2,500	\$ 1,000	\$ 1,500		\$ 37,764	
MASTER PLAN	\$ 34,060	\$ 2,500	\$ 6,000	\$ 3,000	\$ 1,500		\$ 47,060	
SUBTOTALS BY FIRM	\$ 78,490	\$ 39,434	\$ 10,000	\$ 8,500	\$ 3,500	\$ -	\$ 139,924	Base Fee
BASE PROPOSAL TOTAL IN WORDS	ONE HUNDRED THIRTY-NINE THOUSAND NINE HUNDRED TWENTY FOUR DOLLARS.							
OPTIONAL SERVICES								
Spanish Language Interpretation (3 Public Meetings + Presentation Text)						\$ 1,400	\$ 1,400	
OPTIONAL SERVICES TOTAL IN WORDS	ONE THOUSAND FOUR HUNDRED DOLLARS.							


2019 SCHEDULE OF HOURLY RATES FOR PROFESSIONAL SERVICES – Adams Cty.

Team Leader	\$200 / Hour
Industry Expert	\$186 / Hour
Technical Leader	\$186 / Hour
Senior Engineer	\$185 / Hour
Senior Project Engineer	\$155 / Hour
Project Engineer	\$145 / Hour
Associate Engineer	\$119 / Hour
Assistant Engineer	\$103 / Hour
Senior Scientist	\$155 / Hour
Senior Project Scientist	\$150 / Hour
Project Scientist	\$129 / Hour
Associate Scientist	\$101 / Hour
Assistant Scientist	\$91 / Hour
Administrative Assistant	\$67 / Hour
Team Coordinator	\$73 / Hour
Office Assistant	\$52 / Hour
Student Intern	\$57 / Hour
Survey Team Leader	\$185 / Hour
Senior Surveyor	\$124 / Hour
Surveyor	\$93 / Hour
Senior Survey Technician	\$113 / Hour
Associate Surveyor	\$83 / Hour
Associate Survey Technician	\$73 / Hour
Assistant Surveyor	\$67 / Hour
2-Person Survey Crew	\$176 / Hour
1-Person Survey Crew	\$145 / Hour

END OF FEE PROPOSAL