PARKS ADVISORY COMMITTEE AGENDA

September 11, 2023

6:00pm Public Meeting Session: Hybrid (Remote & In-Person)
Customer Service Center – 3050 N Delta Hwy., Eugene
Goodpasture Room

Members: Greg Hyde (Chair), Mike Allen (Vice-Chair), Julie Daniel, Timothy Foelker, Reilly Newman, Darlene Raish, Richard Vasquez

---

PAC Meeting

I. **Introductions** – (5 min.)
II. **Public Comment** – (up to 10 min.)
III. **Assignment Review** – (5 min.)
IV. **Review of Meeting Summary** – All (5 min.)
V. **New Business** (40 min.)
   1) Levy Update
VI. **Old Business** (10 min.)
   1) Covered Bridge Task Force
   2) Harvest Landing Gate
VII. **Staff & Committee Updates/Reports** – (30 min.)
   1) Armitage Campground Expansion Update
   2) HBRA Waterway Access Update
   3) Report from Michael Allen
VIII. **Open** – All (5 min.)
IX. **Operations Reports** - (5 min.)
X. **Meeting Wrap-up/Assignments** – (5 min.)
XI. **Adjourn**

2023 Meeting Dates:

JANUARY 9	MAY 8	SEPTEMBER 11
FEBRUARY NO MEETING	JUNE 12	OCTOBER 9
MARCH 13	JULY NO MEETING	NOVEMBER 13
APRIL 10	AUGUST 14	DECEMBER 11

Lane County Parks Advisory

August 14th, 2023

Meeting Summary

This written indexed summary of minutes is provided as a courtesy to the reader. The recorded minutes created pursuant to ORS 192.650(1) are the official minutes of this body under Oregon law.

The recorded minutes are available on the Parks Advisory Committee website:

Members Present: Greg Hyde, Mike Allen, Darlene Raish, Julie Daniel, Riley Newman, Timothy Foelker, Richard Vasquez

Members Absent: None

Staff Present: Brett Henry, Ed Alverson, Kylee Tupes

Guests Present: Daniel Loveall, Kristen Lee, Dan Hurley, Olivia Duren

Public Members:

Meeting is called to order at 6:03 PM by Greg Hyde

Introductions (00:00:00)

00:01:44 Public Comment

- **None**

00:02:06 Assignment Review

- Find out when Jodi Low completes an article about the PAC for the eNewsletter.
- Schedule Jodi Low to attend a future meeting.
- Review verbiage on the Lane County website for errors or inconsistencies.
- Establish a meeting with Kristen Lee.

00:05:50 Review of Meeting Summary

- Julie Daniels motions to approve the July meeting summary, motion is seconded by Mike Allen. One member abstains, the rest approve the motion, motion passes.

00:11:11 New Business

DRAFT

1. **Kristen Lee - Climate Action Plan**
- Please see Meeting Materials
2. **Olivia Duren – The Freshwater Trust**
- Introductions, please see Meeting Materials
- The goal of the project is to improve native climate and habitats for wild fish.
- Project is ready to launch, it just requires permission from the county administrator.
- Possible concerns about herbicide use in the long term are voiced and discussed.
- Greg proposes a motion to recommend that the board approve the proposed riparian planting easement at Howard Buford Recreation Area, as described in the Agenda Cover memo dated 8/4/2023, and allow the riparian plantings to move forward.
- Tim Foelker moves to approve the motion; Richard Vasquez seconds the motion. The motion passes unanimously.
3. **Equity Survey**
- Parks has released a survey to the public to learn what barriers the public face most often. Parking fees and lack of public transportation has been identified as a barrier. Potential pilot programs/shuttles are being discussed as a possible option.
- Survey went live the first week of August, 87 people took the survey during the Pride festival, Parks is looking to spread access to the survey to get an accurate account of the public's opinion.
4. **Security Cameras at HBRA**
- Parks has a work order in with a local electrical company to start work on setting up the camera equipment.
- Estimated time for the cameras to be operational is currently sometime in December.

01:24:24 Staff & Committee Updates/Reports

1. **Armitage Campground Expansion Update**
- The entrance of the park is going to be redesigned as a two-way road instead on one way.
- Looking into all-inclusive nature play areas, working with branch engineering to create designs to suite the properties resources, natural areas, and improves the publics access to the park/campground.
- Please see Meeting Materials for details and designs.
2. **Levy Update**
- Brett and Latiffe Amado will be presenting to the board together, to provide an update on the levy and the improvements it is providing within Parks.
3. **USACE Lease Renewals Update**
- Five leases will be up for renewal in the next 5 years.
- Looking into having a representative from the Corp. designated to work closely with Parks as the renewals are negotiated.
- Safety concerns involving existing equipment that the Corp. previously installed is being encouraged to be inspected and improved.
4. **Report from Michael Allen**
- Harbor Vista has some large Scotch broom plants that may need to be removed before they spread to other properties.
- There is an issue with dumping in Park dumpsters in the coastal parks

DRAFT

01:42:15 Open

- Schedule a second field trip for the PAC.
- The public would like Harvest Boat Landing security to be discussed in the future.
- Zumwalt park may be an opportune location near a bus stop for the public to access if they do not have access to a motor vehicle, may be marketed as a bicycle friendly park.
- Mt. Pisgah is closed temporarily due to imminent fire danger.
- Covered bridges may be marketed as a party venue as a strategy to create revenue and maintain the historical structures.

01: 50:57 Operations Reports

- Parks Division Retreat occurred in July.
- Upcoming hiring of more Parks staff
- Current campfires ban in Parks due to Extreme fire danger; meetings have occurred amongst staff and hosts for create consistent safety measures throughout parks

01:55:20 Meeting Wrap-up/Assignments

- Put Covered Bridges on the agenda for the next meeting
- Jodi contacting the PAC about her article
- Put Pac members on the mailing list for the eNewsletter

Meeting adjourned at 8:01 PM

DRAFT

LANE COUNTY PARKS LEVY BOARD UPDATE

Staff Report

Brett Henry,

Lane County Parks

Division Manager

Latiffe Amado,

Lane County Equity Manager

Lane County Parks 2022

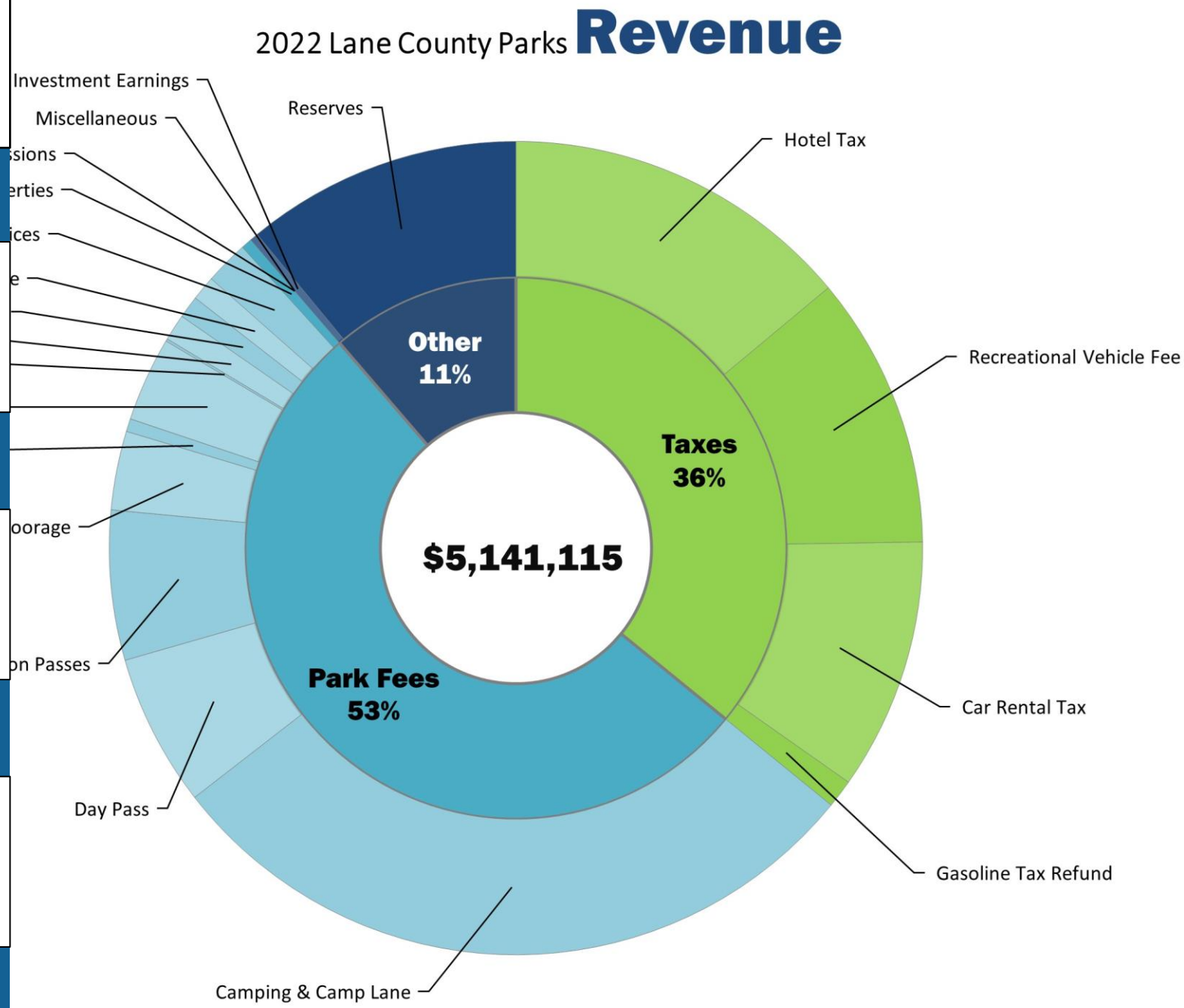
BOARD UPDATE

- Lane County Parks Funding Prior to Levy
- Background of Levy Process
- Levy Budget & Project Categories
- Prioritizing Levy Projects
- Applying the Equity Lens Toolkit

LANE COUNTY PARKS
2022 BUDGET & FUNDING NEEDS

PARKS REVENUE CATEGORIES

- Park fees
  53% of total revenue
- Taxes
  36% of total revenue
- Reserves
  11% of total revenue



DEFERRED MAINTENANCE BACKLOG

FACILITY CONDITION ASSESSMENT - 2022

- Current Capital Needs: $21,984,907
- In 10 Years (2032): $38,481,092

2018 PARKS & OPEN SPACE MASTER PLAN

Lane County Board of Commissioners approved the Lane County Parks & Open Space Master Plan on December 18, 2018

Master Plan Vision *"Our thriving parks and natural areas connect us to our rivers, reservoirs, and natural features, showcase our heritage and cultural diversity, and protect resources for future generations"*

<u>Strategy 4.5</u> Explore stable, long-term operational funding

LEVY PROCESS

$6 Million, Five-Year Local Option Levy

$1.5 Million from General Fund

Explore Car Rental & Hotel Tax

$7.5 Million Generated Annually with a Total of $37.5 Million

LANE COUNTY PARKS FUNDING TASK FORCE RECOMMENDATIONS

COMMUNITY MEETINGS

Four regional meetings were organized during the month of May 2022

PUBLIC OPINION SURVEYS

March 2021 Key Findings:

59% support a tax measure to maintain and improve parks

62% were willing to pay $40 a year for park improvements

May 2022 Key Findings:

61% support for 5-year levy at 16 cents per $1,000 assessed value

63% were willing to pay $40 a year for park improvements

Willingness to pay to maintain and improve County parks is highly consistent, with two-thirds willing to pay $30 per year.

Would your household be willing to pay ___ in additional taxes to maintain and improve County parks?

		Very Will.	Smwt. Will.	Don't Know	Smwt. Unwill.	Very Unwill.	Total Will.	Total Unwill.
$30 per year	May 2022	51%	14%	5%		25%	65%	30%
	March 2021	52%	12%	8%		25%	64%	33%
$40 per year	May 2022	44%	19%	5%	7%	26%	63%	33%
	March 2021	47%	15%	9%		27%	62%	36%
$50 per year	May 2022	37%	23%	5%	9%	26%	59%	36%
	March 2021	42%	16%	12%		28%	58%	40%
$60 per year	May 2022	32%	27%	5%	8%	29%	59%	37%
	March 2021	37%	19%	11%		30%	56%	42%

FM3 RESEARCH

Q5.

NOVEMBER 2022 GENERAL ELECTION RESULTS

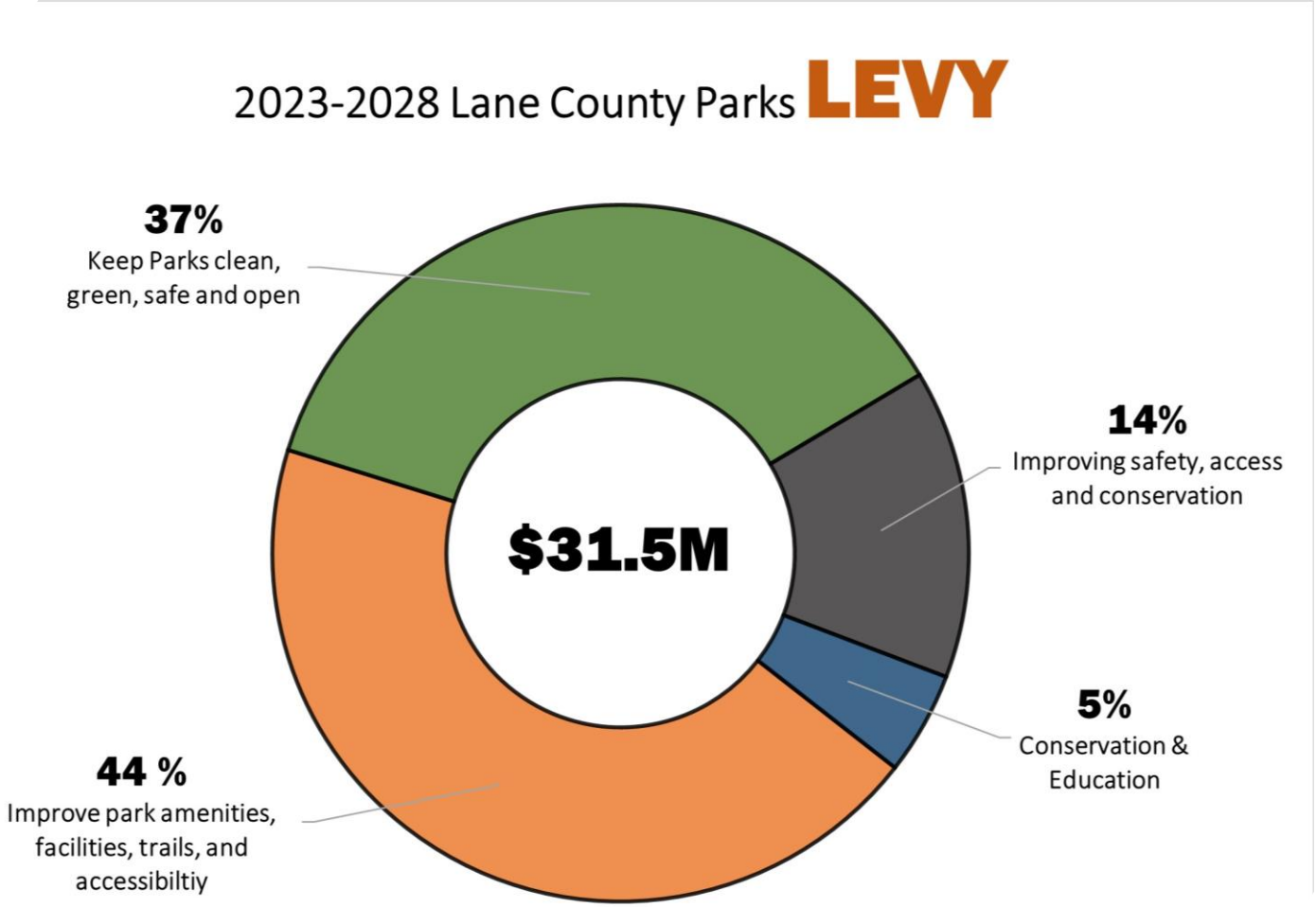
20-335 LANE: INVESTMENT IN COUNTY PARKS, WATER ACCESS, RESTORATION OF NATURAL AREAS

Follow this contest

YES	60.05%	103,105
NO	39.95%	68,596
TOTAL VOTES		171,701

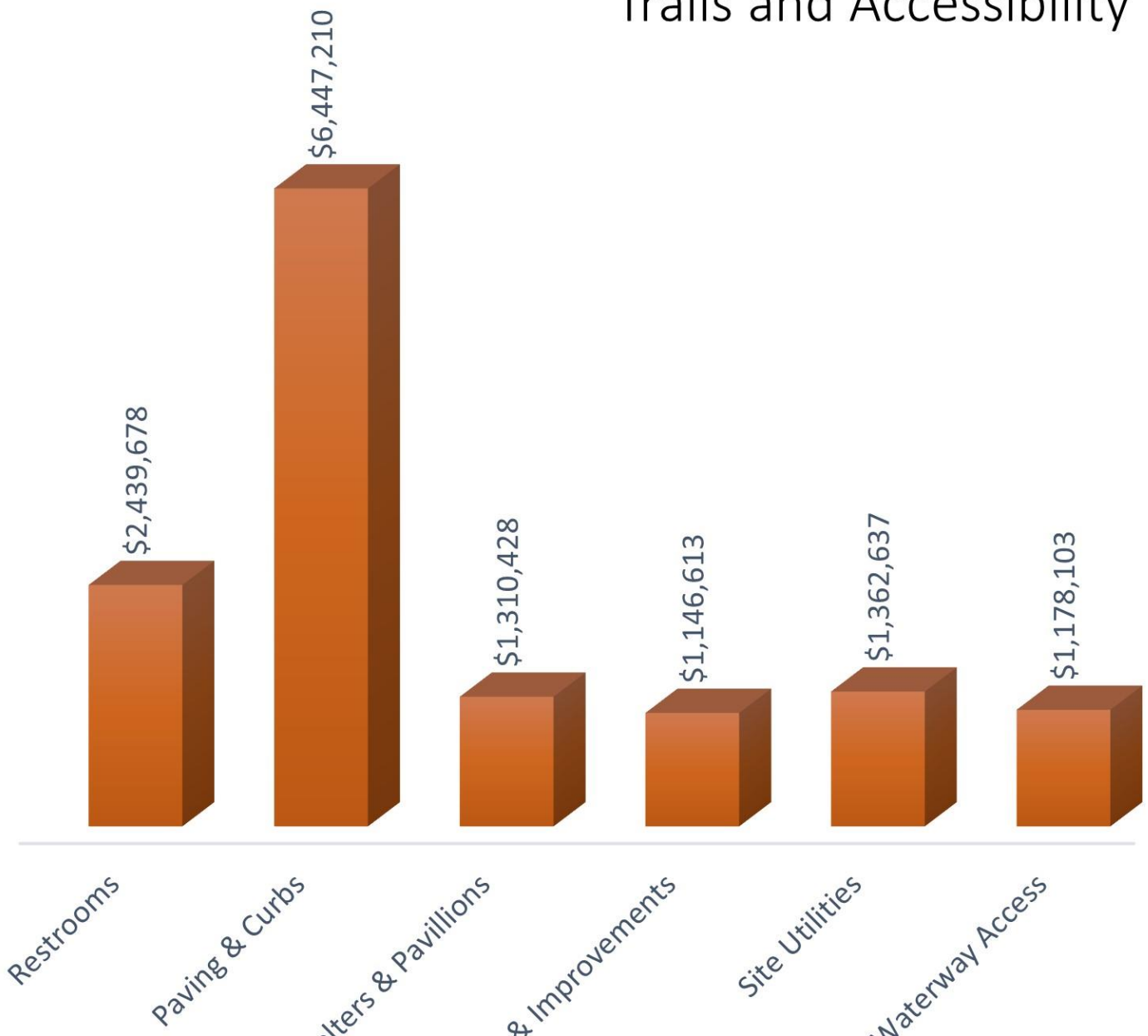
PARKS LEVY BUDGET

Project Categories



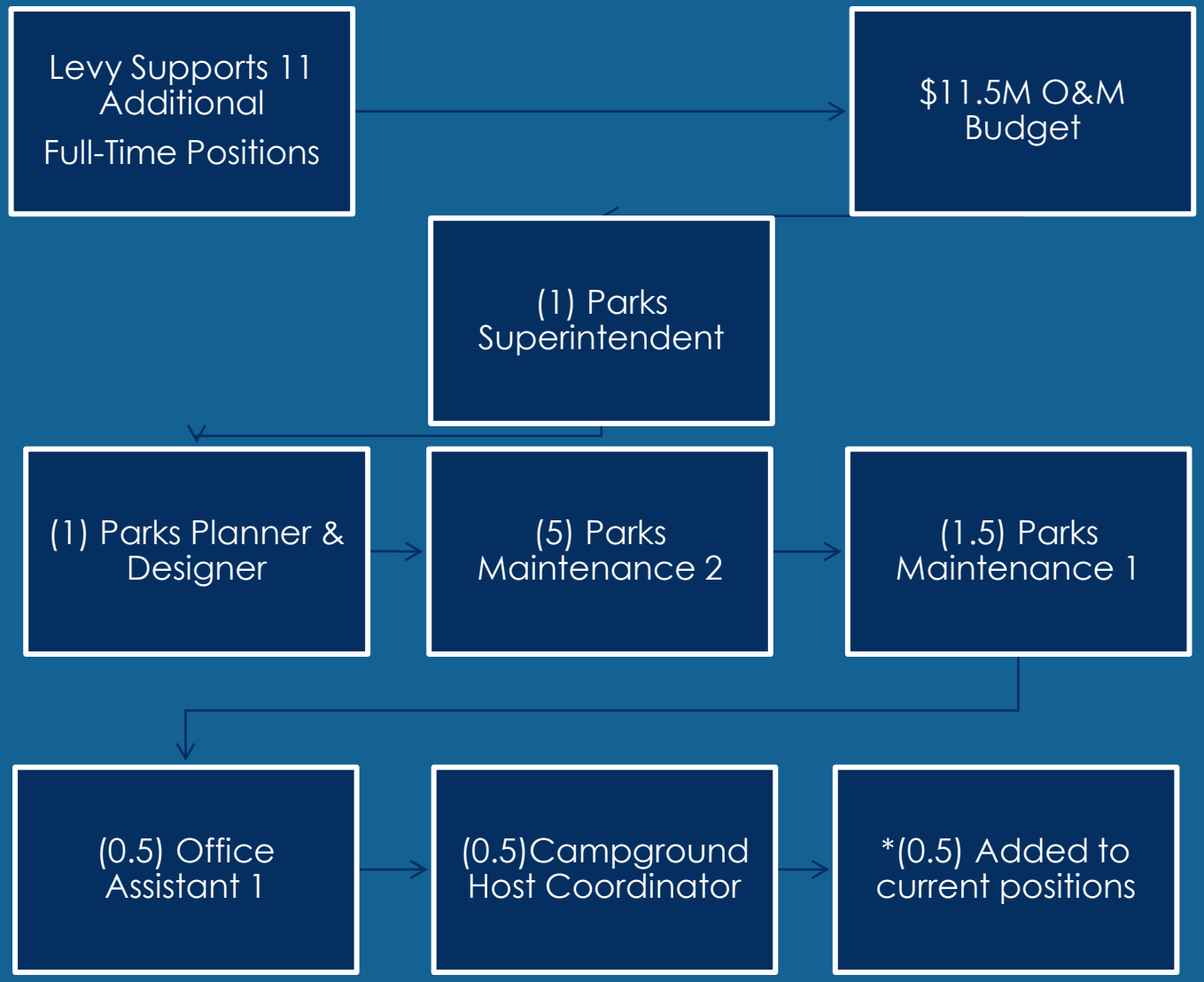
LEVY BUDGET CATEGORIES

Improving Park **Amenities**, Facilities, Trails and Accessibility

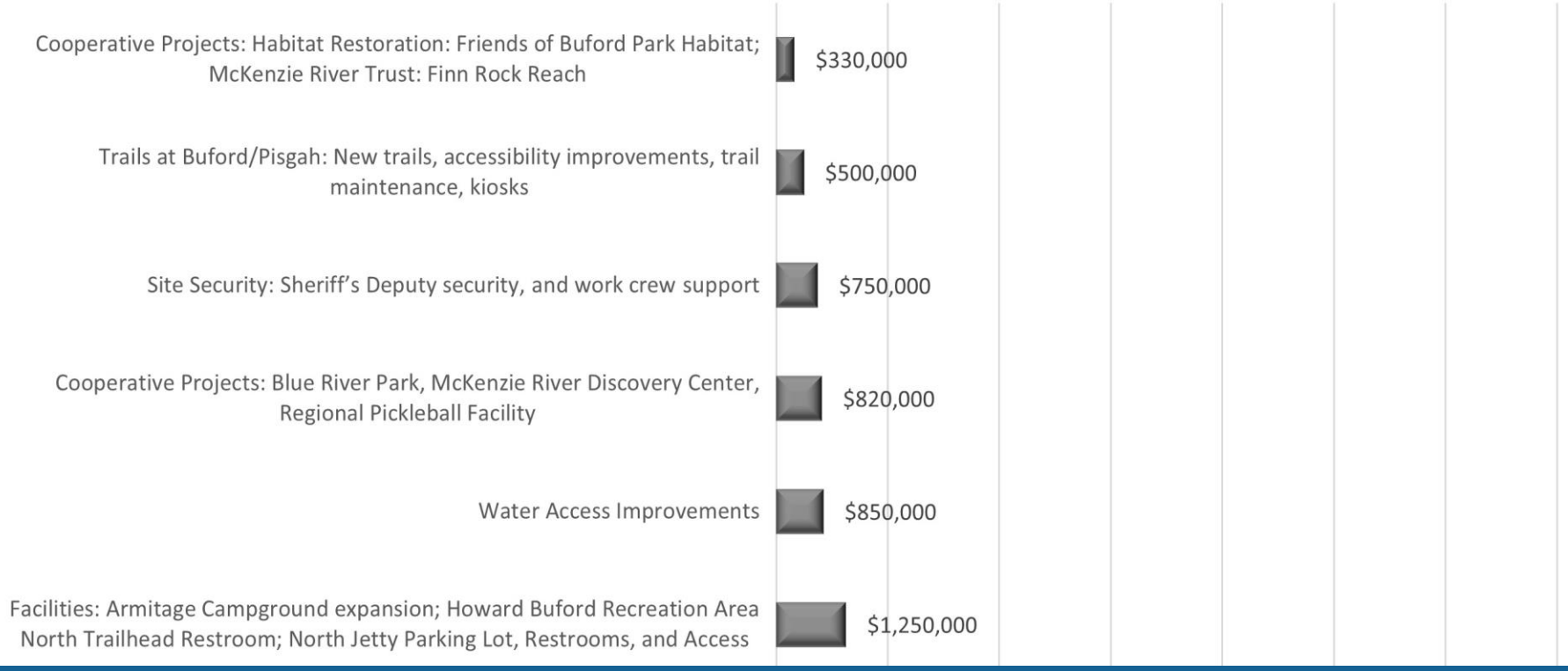


PARK OPERATIONS

ADDITIONAL PERSONNEL

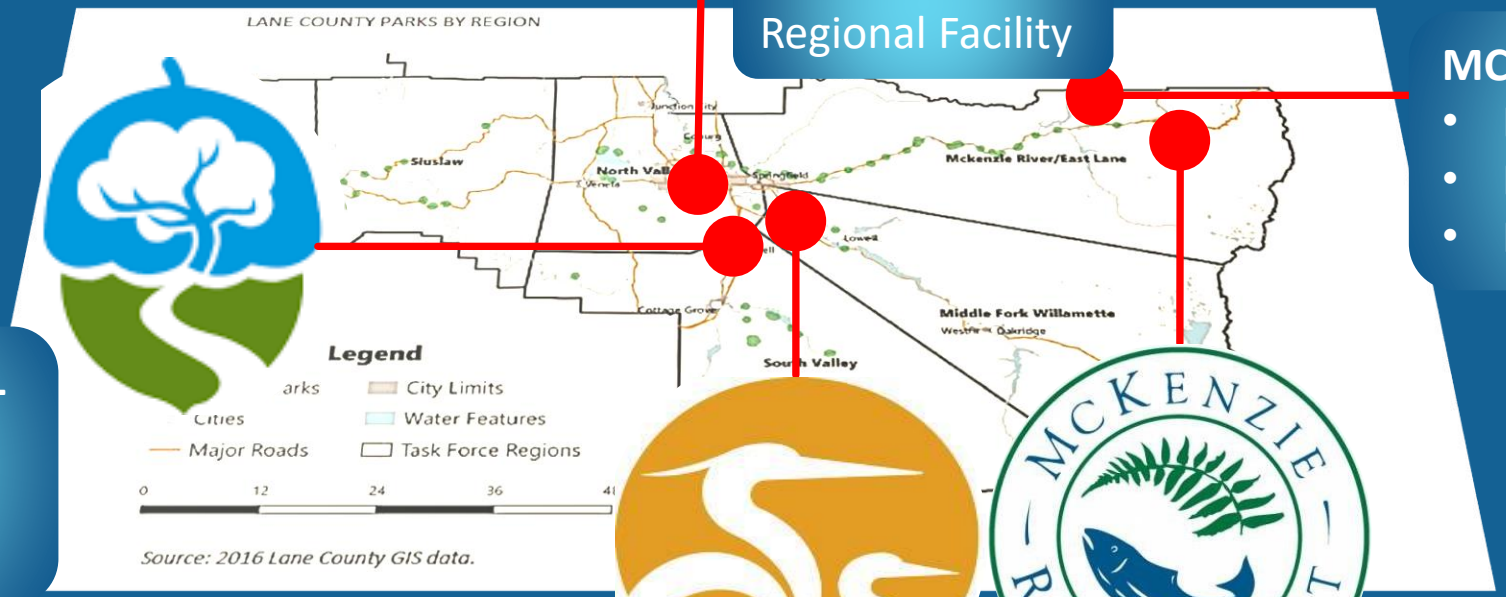


Improving **Park Safety, Access** and **Conservation**



COOPERATIVE PROJECTS

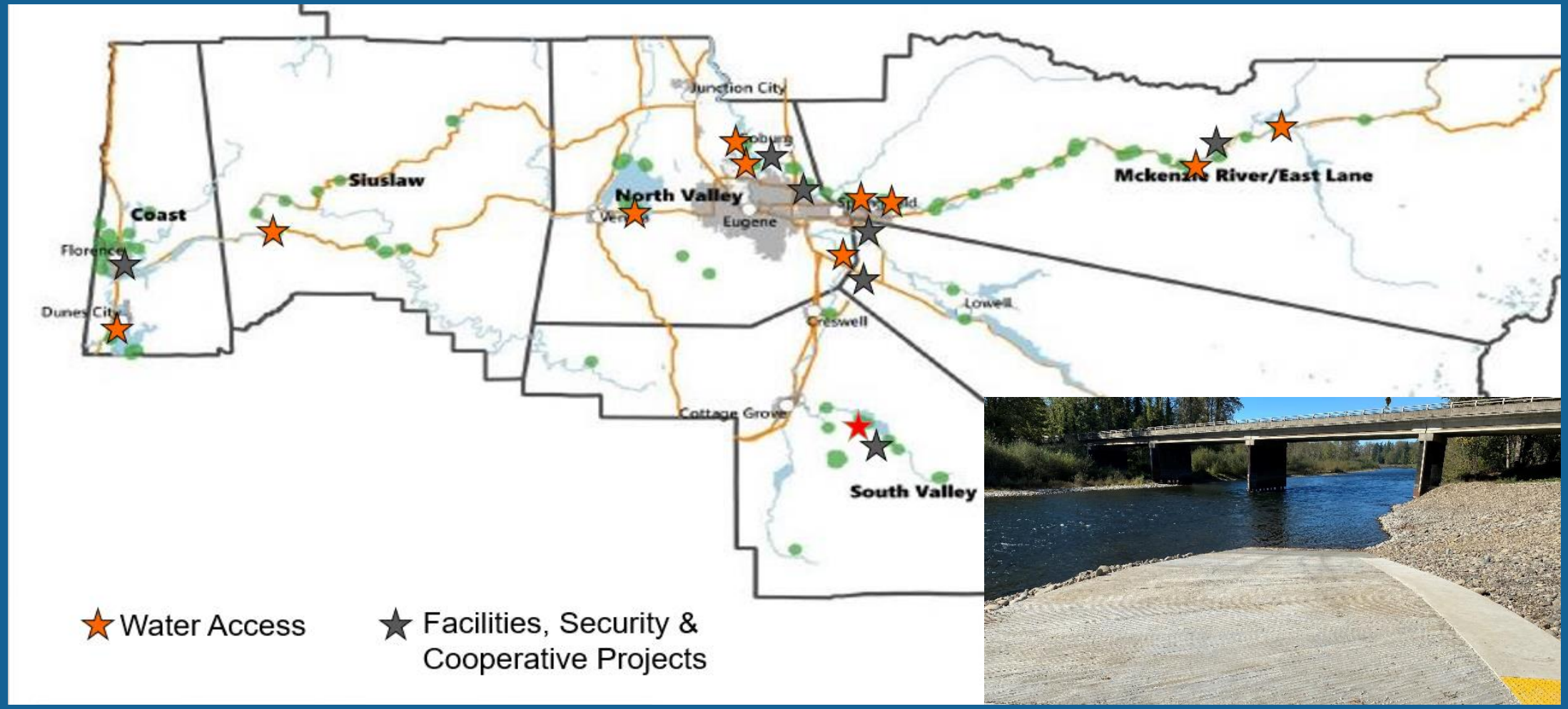
PICKLEBALL
Regional Facility



MCKENZIE RIVER
- Discovery Center
- Blue River Park
- Finn Rock Reach

ENVIRONMENTAL EDUCATION
Mount Pisgah Arboretum

HABITAT RESTORATION
Friends of Buford Park



WATERWAY ACCESS FACILITIES

CONSERVATION & EDUCATION

- EV-Charging Stations
- Invasive species removal
- Bank erosion mitigation
- Riparian & Floodplain restoration
- Stewardship of native habitats

PRIORITIZING PROJECTS

Criteria

Health & Safety

Protect & Maintain Structures

Improve First Impression

Protect & Enhance Natural Habitats

Enhance Access by Removing Barriers

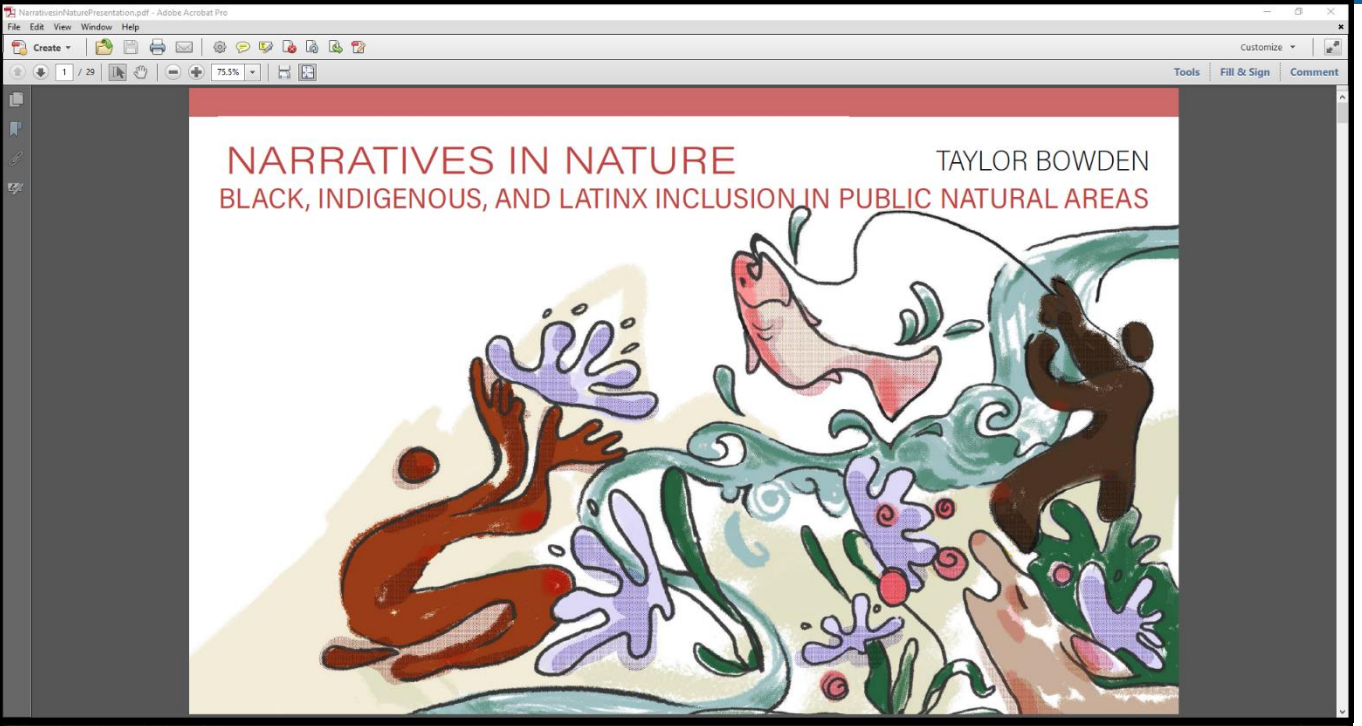
Enhance Support Facilities

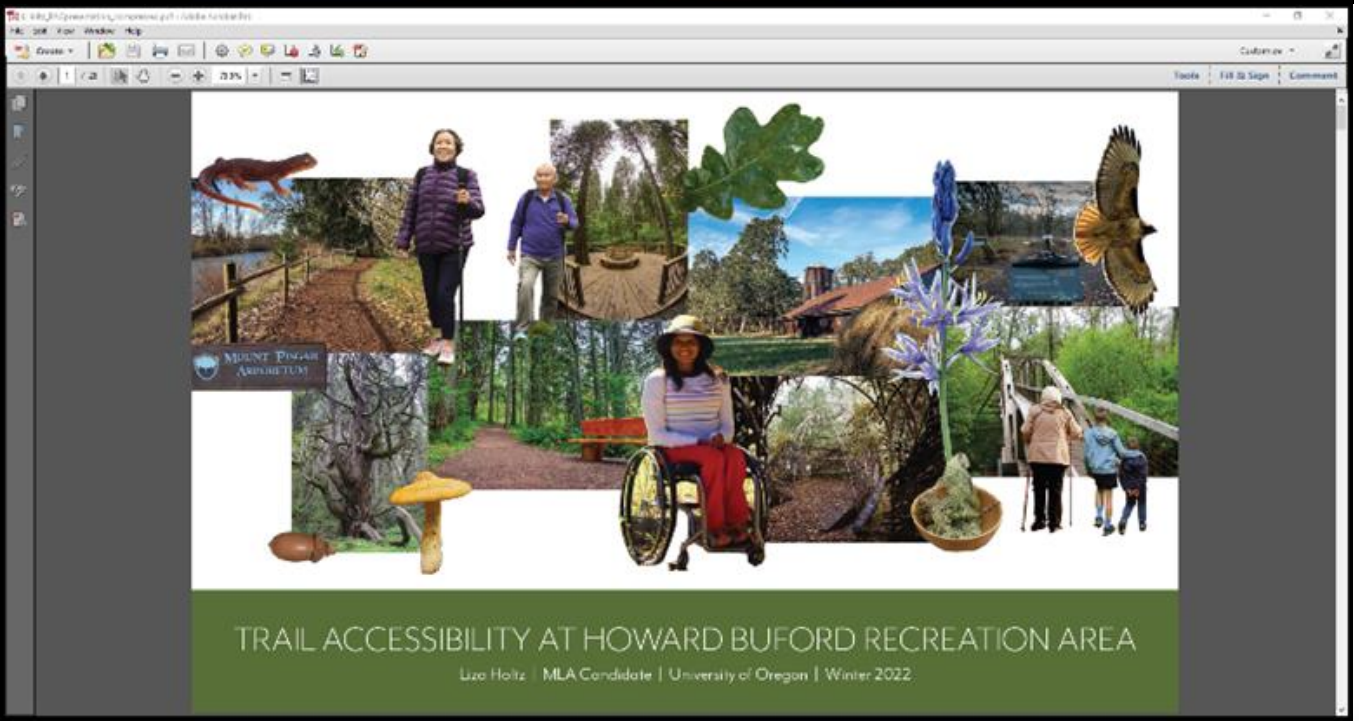
Infrastructure Must Generate Net Revenue

CRITERIA FOR PRIORITIZING LEVY PROJECTS

EQUITY LENS

Applying the Toolkit





EQUITY LENS TOOLKIT

The Equity Lens Toolkit at a glance:

- Planning through an equity lens
- Creating a culture of belonging through an equity lens
- Leading through an equity lens
- Using data through an equity lens
- Learning through an equity lens

This toolkit is a compilation of knowledge, processes and practices that can help us apply a
equity lens to each of these five areas of focus.

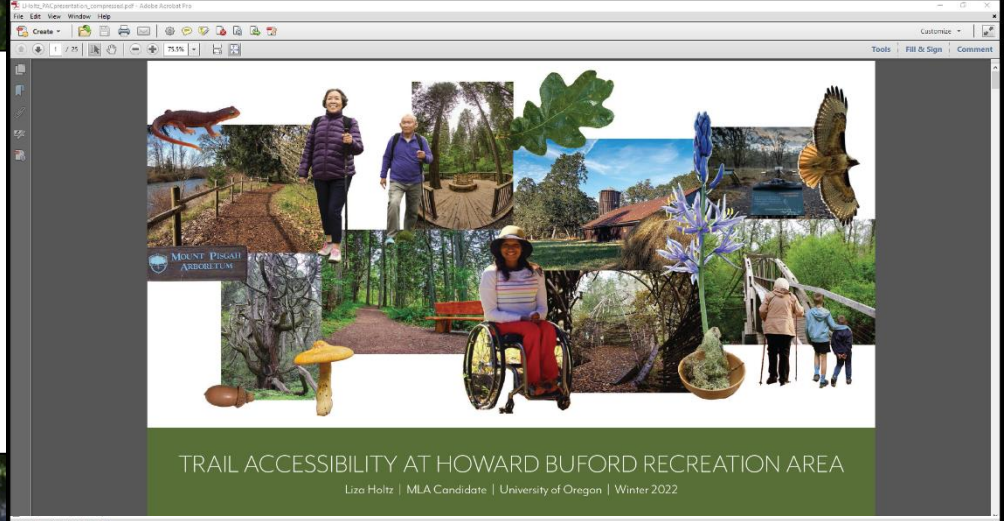
REMOVING BARRIERS TO ACCESS

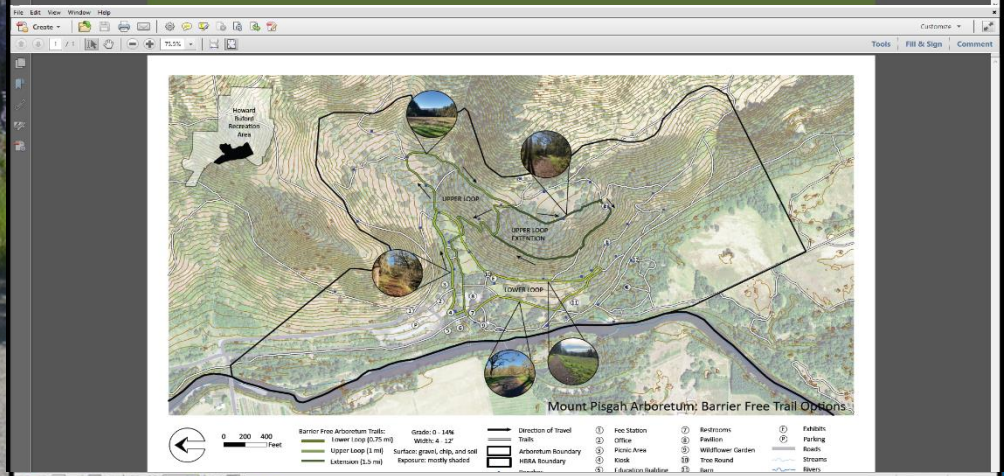
- Cognitive
- Physical
- Socioeconomic
- Cultural

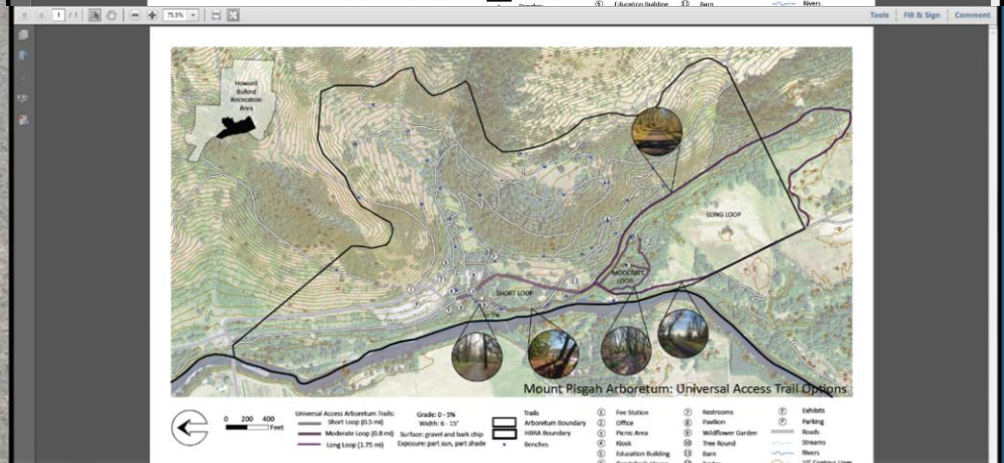
→

- Equity Workshop
- Equity Public Survey
- Universal Access
- Land Acknowledgement

UNIVERSALLY ACCESSIBLE TRAILS







ADA ASSESSMENT & TRANSITION PLAN

Wheelchair accessible facilities

Universally Accessible trails

All-inclusive play structures and nature exploration

December 2023

Equity Survey Results

Update Planned Projects for 2024

March 2024

Update Progress of 2024 Levy Projects

June 2024

Update Progress of 2024 Levy Projects

November 2024

Update Progress & Planned Projects for 2025

FUTURE BOARD UPDATES

From: Oregon Recreation & Park Association
To: HENRY Brett A
Subject: Join the ORPA Legislative Committee
Date: Tuesday, August 22, 2023 6:01:20 AM

[EXTERNAL]

Legislative Committee Banner

Join the ORPA Legislative Committee

Now recruiting for a new term (2023-2025)

ORPA believes there should be a public investment in parks, recreation, trails and open spaces to create positive impacts on the lives of Oregonians. The ORPA Legislative Committee's purpose is to advance these interests through collaborative action within our state legislature. It is through this committee's efforts that state statutes and rules are shaped to the advantage of our membership agencies and to educate member agencies when statutes and rules have operational outcomes.

MEMBERSHIP
The committee is formed at the discretion of the committee chair per the Legislative Committee Charter. It is the intent of the chair to form a committee representative of agencies of different population size, geographical regions, and organizational structure. Committee members must be a voting member of ORPA and should hold an upper leadership position with their agency that gives them exposure to system-wide operations. Member terms begin September 11, 2023 and continue until June 30, 2025. There are no term limits, but members must renew their application at the end of their term.

APPLICATION PROCESS

- Applications are due Thursday, August 31, 2023 @ 5 PM.
- Applications are reviewed by the Legislative Committee Chair and an ORPA Board representative. Committee representative positions are assigned by the chair according to the charter guidelines.
- Applicants will be notified of membership by September 5, 2023.

QUESTIONS/CONTACT
Learn more about the Legislative Committee.

Questions regarding the Legislative Committee or this application can be directed to: Aisha Panas (apanas@thprd.org); or Amanda Parsons, Executive Director of ORPA (aparsons@orpa.org).

Apply Today

This email has been sent to an address that is signed up to receive emails about:

General Correspondence

To update your email preferences, click here.

Oregon Recreation & Park Association

PO Box 202, Lake Oswego, OR 97034

Become a Member

Manage Email Preferences

Unsubscribe

From:	Amanda Parsons
To:	HENRY Brett A
Cc:	Aisha Panas
Subject:	Welcome to the Legislative Committee
Date:	Friday, September 8, 2023 12:25:43 PM

[EXTERNAL]

Dear Brett,

Thank you for submitting an interest application to serve on the Oregon Recreation and Park Association Legislative Committee. On behalf of Aisha Panas, the Legislative Chair, the ORPA Board of Directors, and myself I'd like to welcome you to serve as an official representative and committee member. We appreciate the time and consideration you took to apply and we're excited to work with you.

I will be following up on this email with another to the entire committee to schedule our next meeting. Please look for that meeting and complete the Doodle Poll ASAP so we can get the next meeting scheduled.

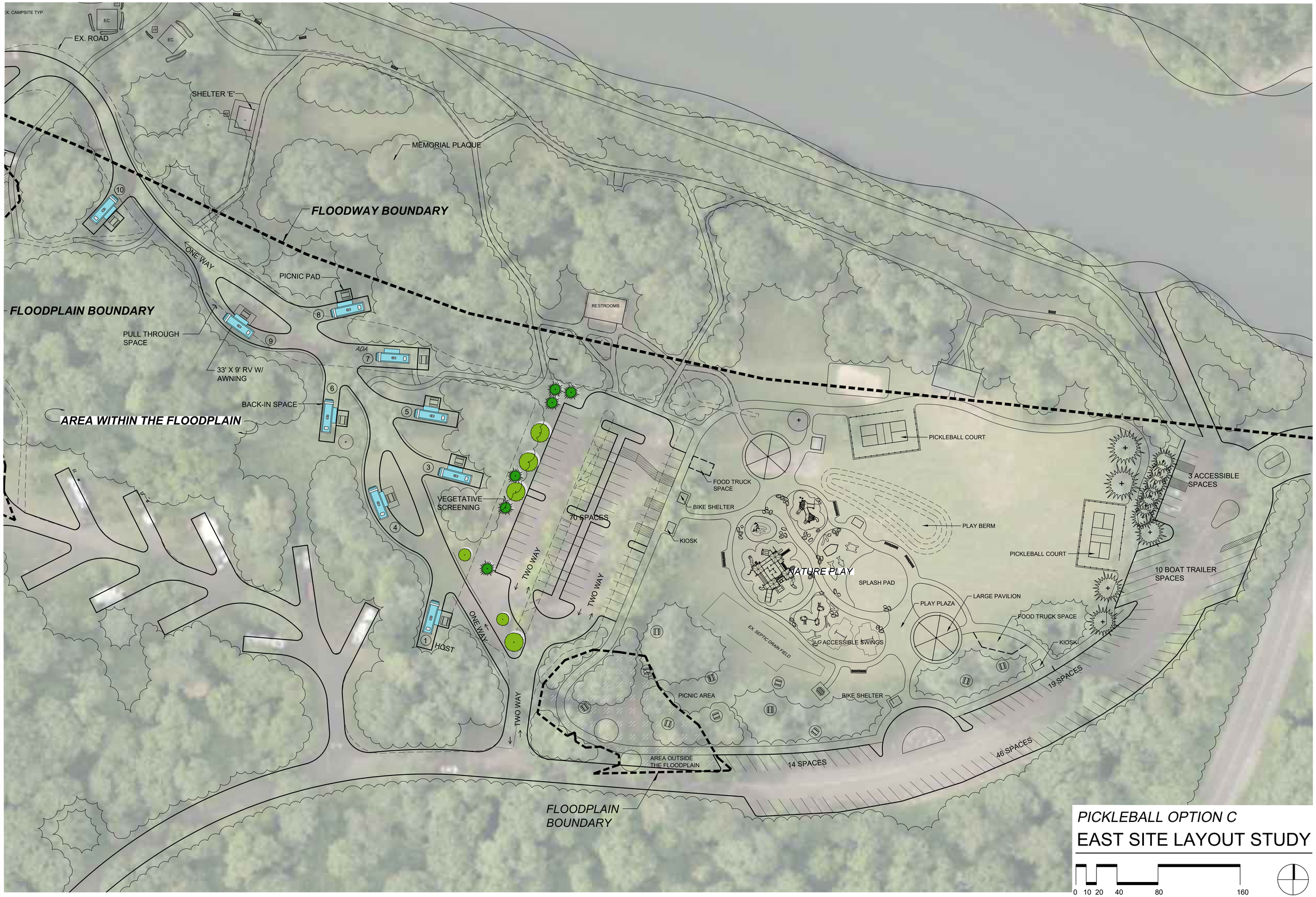
My next email will also include details regarding the Legislative Committee Charter and responsibilities. We ask that everyone read these documents prior to the next meeting.

Finally, I want to say THANK YOU. Your participation on this committee makes a huge difference. We know it is a commitment of your time and your energy and we appreciate your dedication to parks and recreation.

Please email myself or Aisha Panas (cc'd here) with any questions you may have.

--

Amanda Parsons
Executive Director
Pronouns: she/her, they/theirs (Why pronouns?)
Oregon Recreation & Park Association
main: 503.998.6839 | office: 503.534.5673
aparsons@orpa.org | ORPA.org
Book a meeting with me



PICKLEBALL OPTION C

EAST SITE LAYOUT STUDY

DLA

DOUGHERTY LANDSCAPE ARCHITECTS

474 Willamette Street
Suite 305
Eugene, Oregon 97401

P 541.683.5803
F 541.683.8183

www.DLAdesign.com

REGISTERED LANDSCAPE ARCHITECT OREGON

PRELIMINARY NOT FOR CONSTRUCTION

Client / Consultant

Name
Address
Address 2
City, State Zip

Phone

Armitage Park Improvements

Lane County, OR

Date: 09-06-23

Drawn By: EP/EKS

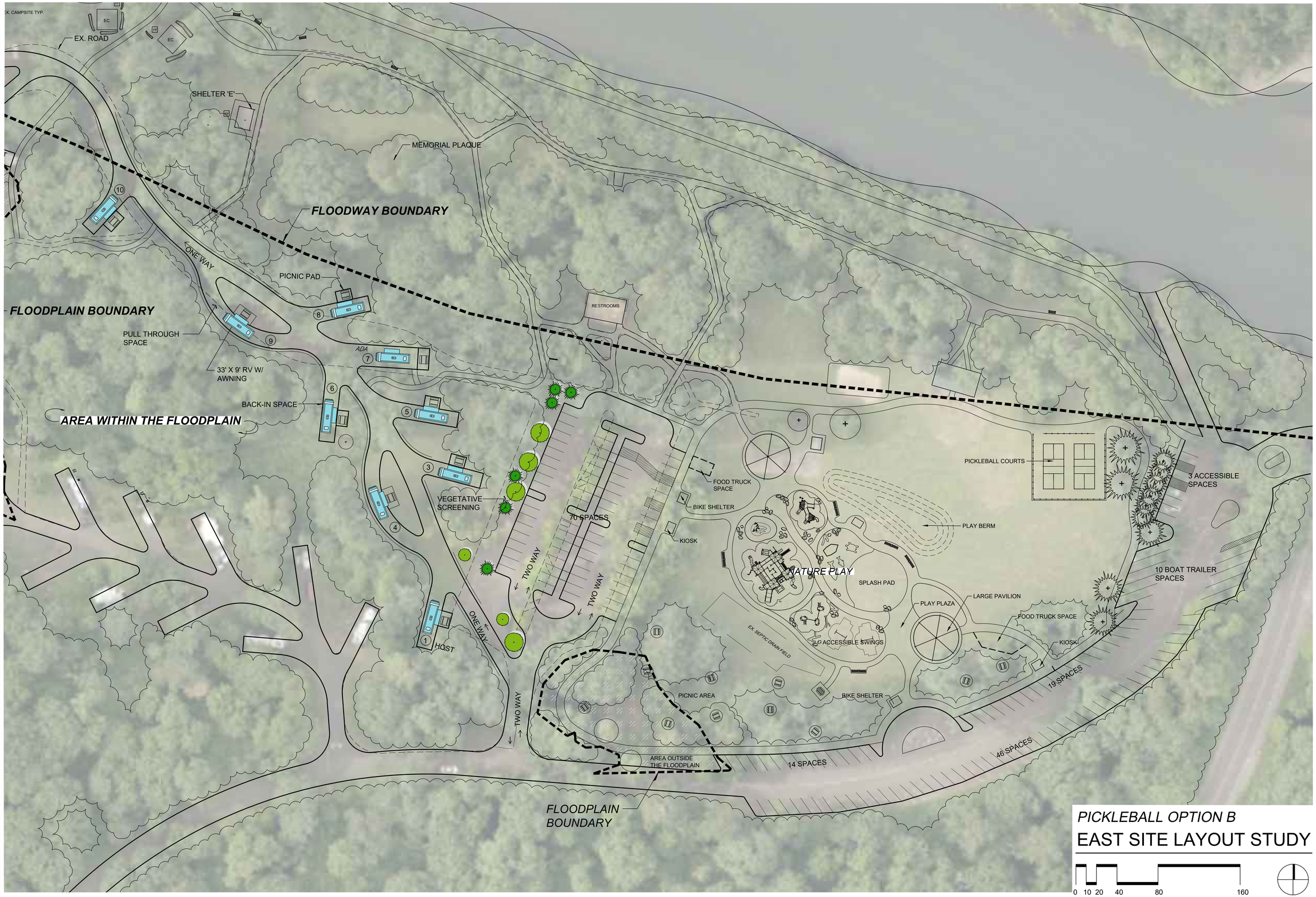
Checked By: DJD

Submission: PRELIMINARY

Revisions

LA-2

DLA INC. COPYRIGHT 2023



PICKLEBALL OPTION B

EAST SITE LAYOUT STUDY

0 10 20 40 80 160

SCALE: 1"=40'-0"

NORTH

DLA

DOUGHERTY LANDSCAPE ARCHITECTS

474 Willamette Street
Suite 305
Eugene, Oregon 97401

P 541.683.5803
F 541.683.8183

www.DLAdesign.com

REGISTERED LANDSCAPE ARCHITECT OREGON

PRELIMINARY NOT FOR CONSTRUCTION

Client / Consultant

Name
Address
Address 2
City, State Zip

Phone

Armitage Park Improvements

Lane County, OR

Date: 09-06-23

Drawn By: EP/EKS

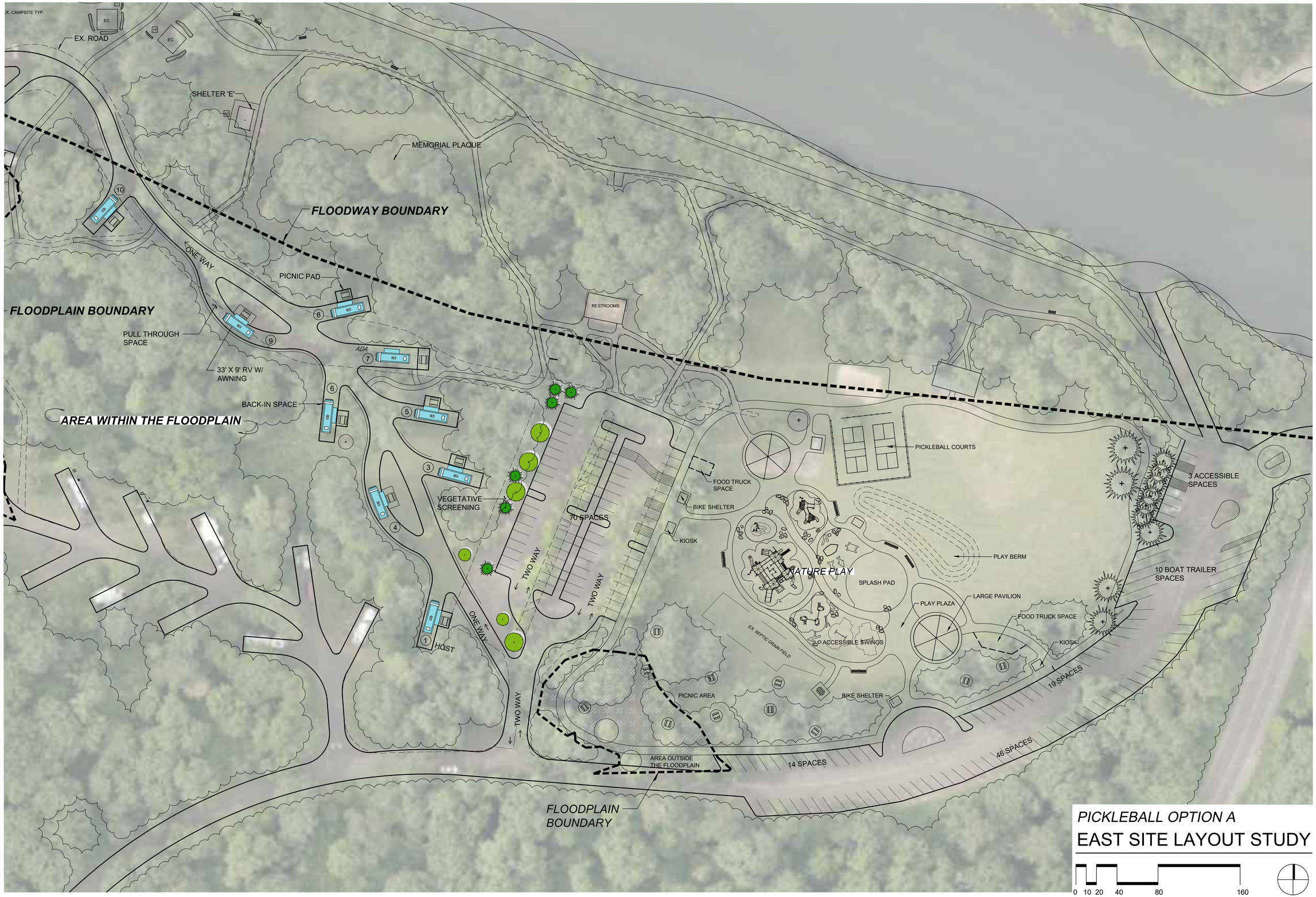
Checked By: DJD

Submission: PRELIMINARY

Revisions

LA-2

DLA INC. COPYRIGHT 2023



PICKLEBALL OPTION A

EAST SITE LAYOUT STUDY

DLA

DOUGHERTY LANDSCAPE ARCHITECTS

474 Willamette Street
Suite 305
Eugene, Oregon 97401

P 541.683.5803
F 541.683.8183

www.DLAdesign.com

REGISTERED LANDSCAPE ARCHITECT
DOUGHERTY
OREGON

PRELIMINARY NOT FOR CONSTRUCTION

Client / Consultant

Name
Address
Address 2
City, State Zip

Phone

Armitage Park Improvements

Lane County, OR

Date: 09-06-23

Drawn By: EP/EKS

Checked By: DJD

Submission: PRELIMINARY

Revisions

LA-2

DLA INC. COPYRIGHT 2023

Joint Permit Application

This is a joint application, and must be sent to all agencies (Corps, DSL, and DEQ). Alternative forms of permit applications may be acceptable; contact the Corps and DSL for more information.

Date Stamp

U.S. Army Corps of Engineers Portland District	Oregon Department of State Lands	Oregon Department of Environmental Quality
Action ID Number	Number	

(1) TYPE OF PERMIT(S) IF KNOWN (check all that apply)

Corps: ☒ Individual ☐ Nationwide No.: _____ ☐ Regional General Permit _____ ☐ Other (specify): _____

DSL: ☒ Individual ☐ GP Trans ☐ GP Min Wet ☐ GP Maint Dredge ☐ GP Ocean Energy ☐ No Permit ☐ Waiver

(2) APPLICANT AND LANDOWNER CONTACT INFORMATION

	Applicant	Property Owner (if different)	Authorized Agent (if applicable) ☑ Consultant ☐ Contractor
Name (Required)	Brett Henry		Andrew Jansky
Business Name	Lane County Public Works		Flowing Solutions
Mailing Address 1	3050 North		3305 SW 87th
Mailing Address 2	Delta Highway		
City, State, Zip	Eugene, OR 97408		Portland, OR 97225
Business Phone	541.682.6900		503.297.6311
Cell Phone			
Fax			
Email	brett.henry@ lanecountyor.gov		andrew@flowingsolutions.com

(3) PROJECT INFORMATION

A. Provide the project location.

Project Name	Latitude & Longitude*
Howard Buford River Access	44.010076°,-122.984110°

Project Address / Location	City (nearest)	County
34901 Frank Parrish Road	Eugene	Lane County

Township	Range	Section	Quarter / Quarter	Tax Lot
18S	2W	18		1000

Brief Directions to the Site:
County Road No 1084, Right on Bufford Park Road to Howard Buford Park

B. What types of waterbodies or wetlands are present in your project area? (Check all that apply.)

☑ River / Stream ☐ Non-Tidal Wetland ☐ Lake / Reservoir / Pond

☐ Estuary or Tidal Wetland ☐ Other ☐ Pacific Ocean

Waterbody or Wetland Name**	River Mile	6th Field HUC Name	6th Field HUC (12 digits)
Coast Fork Willamette	2.5	Coast Fork Willamette	

* In decimal format (e.g., 44.9399, -123.0283)

** If there is no official name for the wetland or waterbody, create a unique name (such as “Wetland 1” or “Tributary A”).

C. Indicate the project category. (Check all that apply.)

☐ Commercial Development	☐ Industrial Development	☐ Residential Development
☐ Institutional Development	☐ Agricultural	☑ Recreational
☐ Transportation	☐ Restoration	☐ Bridge
☐ Dredging	☐ Utility lines	☐ Survey or Sampling
☐ In- or Over-Water Structure	☐ Maintenance	☐ Other:

(4) PROJECT DESCRIPTION

A. Summarize the overall project including work in areas both in and outside of waters or wetlands.

The project includes construction of river access with an assessable route for users at the Howard Buford Recreation Area. Facilities will include parking upgrades, stormwater features, restroom, and reconstructed access road within the work area. Work riverward of the floodway will include two new trails to access the river, one route will provide a more direct route to launch non-motorized boats and devices and will have a 15% slope. A second path will meander from the parking area to the river along a gentler 5% or less gradient and will have a compacted gravel surface below OHW. Both routes will rejoin at a level concrete precast pad near the river during low water. This pad will provide the last accessible location before transitioning to natural riverbed cobble.

B. Describe work within waters and wetlands.

Work below OHW includes removal of invasive plants and some limited trees within the grading footprint. The proposed project will include grading, placement of a compacted rock base on the excavated ground, and final topcoat to compacted gravel for the walking surface. The ground will be excavated to a slope of 3:1 on each site of the path to match existing grades and a layer of rock armor will be placed along the path perimeter and then covered with soil and replanted with native willow and riparian plants through a coir mat to stabilize the soil. A row of semi-angular river boulders will be placed along each edge of the path and embedded in the rock armor to maintain a defined path alignment through future river high water events. The concrete pad will be precast panels formed at a fabrication facility and be fully cured.

C. Construction Methods. Describe how the removal and/or fill activities will be accomplished to minimize impacts to waters and wetlands.

All work would occur during summer low water. No work is planned within the active flowing river, the lower section of path could be below the water table and portions of the excavation could be submerged as river water percolates into the removal area. Direct river connection or stranding risk would not occur.

As a contingency if work area is connected to the river because of high water, work isolation may occur. This would include placing supersacks filled with sand placed around the work area, and coordination with ODFW to perform fish salvage within the small area (estimated to be 50 ft x 25 ft). The isolated work area would not require dewatering pumping as no concrete or structures will be placed below OHW.

After the vegetation and trees are removed, a medium size excavator will grub the ground and cut the rough grades on both paths. Minor field adjustment of 20ft-30 ft downstream may occur to avoid large trees and any unforeseen conditions along the shore. Soil will be removed from the work area and a small volume of the riparian soil will be retained for use in recovering the excavated slopes after rock armor placement.

The precast concrete panels will be set onto the existing bank below OHW in an area cleared of rock and leveled. This location will form a level pad at the terminus of both pathways. Seasonal maintenance to clear sands and gravels from this pad would provide a level and durable area for access.

The armor rock will consist of imported angular rock sized to resist the river flows and placed within an excavated perimeter along the path. A filter layer of rock will be placed below the armor rock to prevent piping of finer bank material through the armor layer. During rock armor placement, larger 'landscape' size semi rounded path perimeter rock will be used along the perimeter of the path below top of bank. This larger rock will be set into the rock armor and will help define the path edge and retain the path during high water.

After the perimeter rock is placed, a layer of previously excavated soil will be mixed with river gravels typically observed at the site (3"-minus rounded), and placed over the armor rock and compacted and washed in to ensure voids are filled. This will be done in stages to avoid discharge to the river. Above OHW no rock armor will be used, and the path will be a combination of minor excavation, on grade and small areas of structured gravel fill to ensure path meets accessible slope and width requirements.

Seasonal maintenance is expected for this facility to include, but not limited to adjusting the gravel surface for seasonal erosion, debris removal, clearing shoaled material and re-setting dislodged rock. Work would be accomplished by hand powered equipment and material would be as originally permitted.

(4) PROJECT DESCRIPTION (continued)

D. Describe source of fill material and disposal locations if known.

Fill will be composed of clean angular rock for filter layer, path base and path walking surface. The rock armor will be commercially available fractured rock suitable for placement and compaction and of size to resist erosion forces. The soil placed over the armor rock will be reused from the original excavation and clean of organics. It may have round river cobble and would be supplemented by additional round river rock to help stabilize the bank. The precast concrete panels will be durable concrete with broom non-slip surface and panels will be secured together.

E. Construction timeline.

What is the estimated project start date? 2024

What is the estimated project completion date? 2029 (depending on grant funding cycles)

Is any of the work underway or already complete? If yes, please describe. ☐ **Yes** ☑ **No**

F. Removal Volumes and Dimensions (if more than 7 impact sites, include a summary table as an attachment)

Wetland / Waterbody Name *	Removal Dimensions					Time Removal is to remain**	Material***
	Length (ft.)	Width (ft.)	Depth (ft.)	Area (sq.ft. or ac.)	Volume (c.y.)		
Coast Fork	200	150	3*	23,600sqft	611	permanent	Soil/rock/cobble
See drawings- removal depth varies based on location, includes area above OHW							

G. Total Removal Volumes and Dimensions

Total Removal to Wetlands and Other Waters		Length (ft.)	Area (sq. ft or ac.)	Volume (c.y.)
Total Removal to Wetlands				
Total Removal Below Ordinary High Water		200	6400 sqft	500
Total Removal Below Highest Measured Tide				
Total Removal Below High Tide Line				
Total Removal Below Mean High Water Tidal Elevation				

H. Fill Volumes and Dimensions (if more than 7 impact sites, include a summary table as an attachment)

Wetland / Waterbody Name*	Fill Dimensions					Time Fill is to remain**	Material***
	Length (ft.)	Width (ft.)	Depth (ft.)	Area (sq. ft. or ac.)	Volume (c.y.)		
Coast Fork	700	6	0.677ft	8200	150**	permanent	Compacted Gravel
Coast Fork	200	2	**2**	400	40	permanent	Perimeter Rock
Coast Fork	200	15	2	3000	225	permanent	Armor rock
Coast Fork	200	15	0.5	3000	111	permanent	Filter gravel
Coast Fork	10	16	.75	160	5	permanent	Pre-cast concrete
*Note some areas overlap and are not square							
**Some volume is above OHW							

(4) PROJECT DESCRIPTION (CONTINUED)

I. Total Fill Volumes and Dimensions

Total Fill to Wetlands and Other Waters		Length (ft.)	Area (sq. ft or ac.)	Volume (c.y.)
Total Fill to Wetlands				

Total Fill Below Ordinary High Water	2000	6400	531**
Total Fill Below Highest Measured Tide			
Total Fill Below High Tide Line			
Total Fill Below Mean High Water Tidal Elevation			

*If there is no official name for the wetland or waterbody, create a unique name (such as "Wetland 1" or "Tributary A").
**Indicate whether the proposed area of removal or fill is permanent or, if you are proposing temporary impacts, specify the days, months or years the fill or removal is to remain.
*** Example: soil, gravel, wood, concrete, pilings, rock etc.

(5) PROJECT PURPOSE AND NEED

Provide a statement of the purpose and need for the overall project.

The primary emphasis of this project is to improve assessable access to the river within the existing park facility, which is currently limited to steep rivebanks.

No official water or boating access point currently exists at the park, which has led to the development of unauthorized trails by users that have resulted in riparian habitat damage, safety risks, and accessibility barriers. A small, unauthorized boat access point currently lies under the bridge at the intersection of Seavey Road and Frank Parish Way, but its lack of parking and maintained access poses numerous safety risks to park users.

In August, 2020, HBRA staff met with twelve stakeholder representatives, including Lane County Parks staff, Friends of Mt. Pisgah staff, the Arboretum manager, kayakers, and other community members interested in public waterway access. The group evaluated multiple sites throughout HBRA to identify the most feasible location for the development of a nonmotorized boat access point based on topography, waterway conditions, proximity to existing parking areas, and permitting considerations.

Lane County Public Works ("the Applicant") seeks approval to construct a nonmotorized boat access point on the Coast Fork of the Willamette River at Howard Buford Recreation Area. The plan proposes the development of an ADA-accessible pathway from the existing gravel drive to the bank of the Coast Fork, alongside a more direct boater pathway to facilitate the manual transport of nonmotorized watercraft from the parking lot to the river. Other improvements beyond the floodway include a concrete pad for a portable restroom will be added, as well as a drop-off zone, two ADA parking stalls, and a widened roadway to improve circulation. The proposed plan to formalize nonmotorized boating access at HBRA aims to increase public accessibility to this underutilized section of the Willamette River while enhancing public safety and riparian habitat conservation within the park.

(6) DESCRIPTION OF RESOURCES IN PROJECT AREA

A. Describe the existing physical, chemical, and biological characteristics of each wetland or waterbody. Reference the wetland and waters delineation report if one is available. Include the list of items provided in the instructions.

The Coast Fork Willamette watershed is approximately 139 square miles and 88,970 acres. It is located between the urban growth boundaries of Eugene, Springfield, and Cottage Grove. There are two reservoirs located upstream of the project area.

The river has been heavily used and modified over the years including log driving, seasonal transportation, and the bed/banks have been modified through channelization to benefit agriculture and minimize flooding. Large areas of grassland and oak were converted to crops, but the floodplain fringe was generally avoided due to flood risk. The site is located within the floodplain fringe and adjacent to a parking area and an access road used as part of the Howard Buford recreation area.

The riparian area has an evolving and diverse plant community that supports a variety of insects, frogs, reptiles, birds, and mammals. Some larger mammals may also transit the area, but frequent human use may impact their presence.

The shoreline is composed of round river cobble, larger river boulders and a shallow flood plain fringe that is seasonally inundated. This fringe has a higher level of fine-grained sediment that is trapped by the riparian vegetation. The fringe is in a constant state of movement through natural river geomorphic processes. This includes erosion of the shoreline and deposition of sediment, followed by colonization of the sediment by riparian species. As the river meanders rock and sediment are moved downstream by the current. Native plants and invasives also are moved downstream; however, some plants are moved upstream by birds and other animals.

The river and habitat have been modified historically and water quality has been impacted by upstream uses over the years.

A more detailed analysis is provided by the Coast Fork Willamette Watershed Council, *Coast Fork Willamette Watershed Strategic Restoration Action Plan, 2019-2020*. A watershed assessment is also available titled *Lower Coast Fork Willamette River Watershed Assessment, Jun 2005.*

Native ESA Fish Species in the Watershed

Native Species	
Common Name	**Scientific Name**
Pacific lamprey	*Lampetra tridentata*
western brook lamprey	*Lampetra richardsoni*
spring chinook salmon	*Oncorhynchus tshawytscha*
winter steelhead	*Oncorhynchus mykiss*

Functional Assessment

The following information is provided for the project area including removal and fill locations according to the requirements of OAR 141-085-0685 Functions and Values Assessment. This information is based on best professional judgment but organized per the SFAM functional groups.

The project includes construction of two soft surface pedestrian river access paths from an existing access road to the river with a concrete landing pad and does not include docks or structures below OHW.

<u>Functional Groups</u> (Function ->Low-Moderate-Higher) & {Value->Low-Moderate-Higher}

Hydrologic Functions

Pre work: (High) & {High}

Surface Water Storage – this reach of the river has been highly disturbed in the past and is a functioning flood plain fringe. Water is stored in the fringe during high water and does not provide significant conveyance due to the large riparian canopy and existing obstructions. A constraint occurs downstream at the bridge. (High) & {High}

Surface water transfer – This area is below a large mtn capable of capturing and releasing large volumes of water directly to the river overland and through the hyporheic zone. Some ground water seeps do exist near the site. Water would likely exchange closer to shore. (High) & {High}

Flow variations – This reach of river is directly controlled by upstream flood control reservoirs and local changes would have no impact. (Low) & {Low}

Post work: (High) & {High}

Changes to hydrologic functions and values after the paths are constructed are minor. Project will be a net removal of material and increase storage by a very small amount. No floodplain obstructions will be added, and excavation depths are limited and along the edge of bank generally above the elevations of hyporheic zones of value during fall low water.

Geomorphic Functions

Pre work: (High) & {Moderate}

Sediment Continuity – This site is located along a dynamic transport reach of the river. Sediment is continually being eroded and deposited based on river flow levels and velocities. The growth of riparian canopy traps sediment that is released during high flows. The functions have been impacted by past practices, but the river is working to reestablish equilibrium. (High) & {Moderate}

Substrate Mobility – Is controlled by the type and size of the riparian plantings. The reach has a mix of trees, shrubs, and grass. While it appears stable at this time, it will likely have significant localized erosion depending on floating large wood, changing riverbed morphology and other factors. The adjacent shoreline appears to be more constrained forcing mobility risk toward the site. (Moderate) & {Moderate}

Post work: (High) & {Moderate}

The project will impact a very small area within the reach but will create a new constraint to bed changes. Project proposes use of natural rock materials and does not introduce permanent structures. If the channel does have a major avulsion, material would be transported downstream and blend with existing material. Path would require reconstruction, however, reach dynamics would not be impacted.

Biological Functions

Pre work: (High) & {High}

Maintain Biodiversity – The work area is limited to an area above OLW and is primarily covered by riparian planting. This does provide habitat for various amphibians, small mammals, insects, and other wildlife. As the areas is above OLW no aquatic species make the area a full-time home, but likely do use the area during high water. (Moderate) & {Moderate}

Create and maintain habitat – Habitat exists at the site both during low water and during higher water. The area below OHW would be used by fish and other species when inundated by flood waters including out migrating salmonids. (High) & {High}

Sustain Trophic-The riverbed structure is in dynamic equilibrium. The site is likely used by consumers and predators. (Moderate) & {Moderate}

Post work: (High) & {High}

The riverbed structure in the area by the scale of this project over the long term. Some food resources will be removed; however, given the small area and design of covering rock armor and disturbed area with native soil and plantings, it will be reestablished by producers. The work will have little impact when submerged by the river during spring high water.

Water Quality Functions

Pre work: (High) & {High}

Nutrient Regulation value is provided at the site through the existing riparian canopy and leaf litter and organics. Any material is subject erosion and transport downstream. (Moderate) & {Moderate}

Chemical Regulation is also present along the reach and at the site as performed by the riparian planting. Any material is subject erosion and transport downstream. (Moderate) & {Moderate}

Thermal Regulation is excellent at the site and along the reach due to the dense canopy and riparian planting. (High) & {High}

Post work: (High) & {High}
The project will remove a limited number of canopy trees, but will not create large separation. The existing organics will be removed along the path width; however, the limited path dimensions and meandering alignment will not create a directly measurable impact over the length of the site and within the reach.

DREDGE AREA - Functions and Values Summary Table

	Bank Area (Pre Work)		Bank Area (Post Work)	
Functional Group	Function Rating	Value Rating	Function Rating	Value Rating
Hydrologic Functions	High	High	High	High
Geomorphic Functions	High	Moderate	High	Moderate
Biological Functions	High	High	High	High
Water Quality Functions	High	High	High	High

*Function and Value Rating Based On Highest Ranking in Group

B. Describe the existing navigation, fishing and recreational use of the waterbody or wetland.

This section of the river is used primarily by recreational users during summer warm water seasons and some fishing action. Most users include floating devices, kayaks, and other small boats. Due to shallow river levels, the river is not used for commercial navigation and use of the river for log driving was suspended in the early 19th century. The river is used for irrigation.

(7) PROJECT SPECIFIC CRITERIA AND ALTERNATIVES ANALYSIS

Describe project-specific criteria necessary to achieve the project purpose. Describe alternative sites and project designs that were considered to avoid or minimize impacts to the waterbody or wetland.*

The Howard Buford Recreation Area is a designated public amenity within the county and has been established to provide public trust values to the community and state. The creation of this Howard Bufford area established the overall site location within the watershed, additional sites outside the facility were not evaluated.

Several potential sites within the recreation area were initially reviewed during the project refinement process; however, based on proximity to existing parking, management facilities and other upland preexisting impacts, only two locations were considered for the project.

Evaluation criteria for final site selection included: 1. Ability to provide both assessable launch and river access close to drop off; 2. Minimization of impact area; 3. Access to appropriate section of river for low water access; 4. Visual subordinance of improvements to area users.

The first area (A) was located upstream several hundred yards and was closer to the river and parking area; however, it had a steeper bank and would require significantly more excavation and bank protection to develop a sustainable access point and would require more volume removal and rock armoring of the existing bank. A second assessable route would require additional lineal footage of shore disturbance and associated rock armoring. This option would not meet criteria 2 or 4 due to the larger impact are visually connected to the main parking area and its immediate adjacency.

The second area (B) was located downstream and along a previous access road spur that was likely used during a past use at the site. The topography allows for a longer assessable path with less extreme cut slopes and more separation between paths. The path was aligned to avoid removal of larger trees and riparian canopy. The existing tree canopy near the parking and road area will have minimal disturbance maintain visual separation from the access point but still allowing a filtered view for security and maintenance access. The site alternative best meets the project specific criteria and is shown in the plan set.

Other alternatives considered included a dock and piling. This would require a similar level of impact for construction, however, would include a long term permanent impact to the areas riparian area. The high river flow and debris would create significant maintenance requirements, and likelihood for damage is high. The prefeed option provides the most assessable solution to the river, while minimizing the level of impacts to the existing riparian area.

(8) ADDITIONAL INFORMATION

Are there state or federally listed species on the project site?	☒ **Yes**	☐ **No**	☐ **Unknown**
Is the project site within designated or proposed critical habitat?	☐ **Yes**	☒ **No**	☐ **Unknown**
Is the project site within a national Wild and Scenic River ?	☐ **Yes**	☒ **No**	☐ **Unknown**
Is the project site within a State Scenic Waterway?	☐ **Yes**	☒ **No**	☐ **Unknown**
Is the project site within the 100-year floodplain?	☒ **Yes**	☐ **No**	☐ **Unknown**

If yes to any above, explain in Block 6 and describe measures to minimize adverse effects to those resources in Block 7.

* Not required by the Corps for a complete application, but is necessary for individual permits before a permit decision can be rendered.

Is the project site within the Territorial Sea Plan (TSP) Area? **If yes, attach TSP review as a separate document for DSL.**	☐ Yes	☒ No	☐ Unknown
Is the project site within a designated Marine Reserve? **If yes, certain additional DSL restrictions will apply.**	☐ Yes	☒ No	☐ Unknown
Will the overall project involve ground disturbance of one acre or more? **If yes, you may need a 1200-C permit from the Oregon Department of Environmental Quality (DEQ).**	☐ Yes	☒ No	☐ Unknown
Is the fill or dredged material a carrier of contaminants from on-site or off-site spills?	☐ Yes	☒ No	☐ Unknown
Has the fill or dredged material been physically and/or chemically tested? **If yes, explain in Block 6 and provide references to any physical/chemical testing report(s).**	☐ Yes	☒ No	☐ Unknown
Has a cultural resource (archaeological and/or built environment) survey been performed on the project area?	☐ Yes	☐ No	☒ Unknown
Do you have any additional archaeological or built environment documentation, or correspondence from tribes or the State Historic Preservation Office? **If yes, provide a copy of the survey and/or documentation of correspondence with this application to the Corps only. Do not describe any resources in this document. Do not provide the survey or documentation to DSL.**	☐ Yes	☒ No	☐ Unknown

Is the project part of a DEQ Cleanup Site? No Yes Permit number _____

DEQ contact._____

Will the project result in new impervious surfaces or the redevelopment of existing surfaces? Yes No

If yes, the applicant must submit a post-construction stormwater management plan as part of this application to DEQ's 401 WQC program for review and approval, see https://www.oregon.gov/deq/FilterDocs/401wqcertPostCon.pdf

Identify any other federal agency that is funding, authorizing or implementing the project.

Agency Name	Contact Name	Phone Number	Most Recent Date of Contact

List other certificates or approvals/denials required or received from other federal, state or local agencies for work described in this application.

Agency	Certificate / approval / denial description	Date Applied

Other DSL and/or Corps Actions Associated with this Site (Check all that apply.)

☐ Work proposed on or over lands owned by or leased from the Corps (may require authorization pursuant to 33 USC 408). These could include the federal navigation channel, structures, levees, real estate, dikes, dams, and other Corps projects.

☐ State owned waterway DSL Waterway Lease #:

☐ Other Corps or DSL Permits Corps # DSL #

☐ Violation for Unauthorized Activity Corps # DSL #

☐ Wetland and Waters Delineation Corps # DSL #

Submit the entire delineation report to the Corps; submit only the concurrence letter (if complete) and approved maps to DSL. If not previously submitted to DSL, send under a separate cover letter

(9) IMPACTS, RESTORATION/REHABILITATION, AND COMPENSATORY MITIGATION

A. Describe unavoidable environmental impacts that are likely to result from the proposed project. Include permanent, temporary, direct, and indirect impacts.

This project will remove some riparian vegetation and trees along the alignment of the assessable path and primary launch route. The removal of vegetation will have a small but limited impact during and after construction. The pathway is narrow and will not create an interruption in the canopy above. Improvements below OHW will not utilize concrete or asphalt, and no docks or pile will be installed. Project is a net removal project and will not increase flooding risk or constrain the floodway.

The new upland facility will integrate stormwater treatment of any new impervious surface. The pathways will utilize vegetative strips along the perimeter and flows will not be concentrated or piped. Motorized use will not occur on the new paths, other than occasional maintenance use by onsite staff and volunteers.

Additional public use could have a direct impact on wildlife using this section of the recreation area by focusing use to a currently lower density use zone.

Equipment will be maintained, fueled and stored in the upland construction staging area during the project to limit impacts. A spill response kit will be on site and if hydraulic leak occurs, work will stop and situation addressed as appropriate to the scale of impact. County contact would be notified of any event causing work stoppage.

Work at the OLW area will include isolation if conditions require. This would include a temporary barrier to control sediment and exposure to species in the river from work. The barrier would consist of concrete modular blocks set into the riverbed around the work area. Given the permeability of the riverbed, dewatering is not anticipated to be practicable. If pumps are use, all water would be directed upland to spread across the upper flood plain within the work area an infiltrate. If any active water area is isolated, fish salvage coordinated through ODFW would occur.

B. For temporary removal or fill or disturbance of vegetation in waterbodies, wetlands or riparian (i.e., streamside) areas, discuss how the site will be restored after construction to include the timeline for restoration.

A full landscape restoration plan will be implemented after the grading and path development is complete. This will include replacement of equivalent number of native plantings, and all areas disturbed would be replanted and soil stabilized with either fabric, or hydroseed. Erosion control measures would remain in place until the site has reached stability. Plastic silt fence will not be left below OHW after October 31 due to risk of high water.

Compensatory Mitigation

C. Proposed mitigation approach. Check all that apply:

- ☐ Permittee-responsible Onsite Mitigation
- ☐ Permittee-responsible Offsite mitigation
- ☐ Mitigation Bank or In-Lieu Fee Program
- ☐ Payment to Provide (not approved for use with Corps permits)

D. Provide a brief description of proposed mitigation approach and the rationale for choosing that approach. If you believe mitigation should not be required, explain why.

The project includes extensive restoration planting, removal of invasives in the project area and development of a low impact access solution which does not use pavement or asphalt riverward of the floodway. This project integrated impact avoidance and impact minimization in the design process to minimize the overall impacts address through restoration planting, thus compensatory mitigation should not be required.

Mitigation Bank / In-Lieu Fee Information:

Name of mitigation bank or in-lieu fee project:

Type and amount of credits to be purchased:

If you are proposing permittee-responsible mitigation, have you prepared a compensatory mitigation plan?

☐ Yes. Submit the plan with this application and complete the remainder of this section.

☐ No. A mitigation plan will need to be submitted (for DSL, this plan is required for a complete application).

Mitigation Location Information (Fill out only if permittee-responsible mitigation is proposed)

Mitigation Site Name/Legal Description	Mitigation Site Address	Tax Lot #
County	City	Latitude & Longitude (in DD.DDDD format)

Township	Range	Section	Quarter/Quarter

(10) ADJACENT PROPERTY OWNERS FOR PROJECT AND MITIGATION SITE		
☐ **Pre-printed mailing labels of adjacent property owners attached separately (if more than 30).**	**Project Site Adjacent Property Owners**	**Mitigation Site Adjacent Property Owners**
Contact Name **Address 1** **Address 2** **City, ST ZIP Code**	McKenzie River Trust 120 Shelton McMurphey Blvd Suite 270 Eugene, Oregon 97401	
Contact Name **Address 1** **Address 2** **City, ST ZIP Code**	Staffordshire Homeowner Assoication 34621 Devonshire DR Eugene, Oregon 97405	
Contact Name **Address 1** **Address 2** **City, ST ZIP Code**		

(11) CITY/COUNTY PLANNING DEPARTMENT LAND USE AFFIDAVIT (TO BE COMPLETED BY LOCAL PLANNING OFFICIAL)

I have reviewed the project described in this application and have determined that:

- ☐ This project is not regulated by the comprehensive plan and land use regulations
- ☐ This project is consistent with the comprehensive plan and land use regulations
- ☐ This project is consistent with the comprehensive plan and land use regulations with the following:
  - ☐ Conditional Use Approval
  - ☐ Development Permit
  - ☐ Other Permit (explain in comment section below)
- ☐ This project is not currently consistent with the comprehensive plan and land use regulations. To be consistent requires:
  - ☐ Plan Amendment
  - ☐ Zone Change
  - ☐ Other Approval or Review (explain in comment section below)

An application or variance request has ☐ has not ☐ been filed for the approvals required above.

Local planning official name (print)	Title	City / County
Signature	Date	
Comments:		

(12) COASTAL ZONE CERTIFICATION

If the proposed activity described in your permit application is within the Oregon Coastal Zone, the following certification is required before your application can be processed. The signed statement will be forwarded to the Oregon Department of Land Conservation and Development (DLCD) for its concurrence or objection. For additional information on the Oregon Coastal Zone Management Program and consistency reviews of federally permitted projects, contact DLCD at 635 Capitol Street NE, Suite 150, Salem, Oregon 97301 or call 503-373-0050 or click here.

CERTIFICATION STATEMENT

I certify that, to the best of my knowledge and belief, the proposed activity described in this application complies with the approved Oregon Coastal Zone Management Program and will be completed in a manner consistent with the program.

Print /Type Applicant Name	Title
Applicant Signature	Date

(13) SIGNATURES

Application is hereby made for the activities described herein. I certify that I am familiar with the information contained in the application, and, to the best of my knowledge and belief, this information is true, complete and accurate. I further certify that I possess the authority to undertake the proposed activities. By signing this application I consent to allow Corps or DSL staff to enter into the above-described property to inspect the project location and to determine compliance with an authorization, if granted. I hereby authorize the person identified in the authorized agent block below to act in my behalf as my agent in the processing of this application and to furnish supplemental information in support of this permit application. I understand that the granting of other permits by local, county, state or federal agencies does not release me from the requirement of obtaining the permits requested before commencing the project. I understand that payment of the required state processing fee does not guarantee permit issuance.
To be considered complete, the fee must accompany the application to DSL. The fee is not required for submittal of an application to the Corps.

Fee Amount Enclosed	$
Applicant Signature (required) must match the name in Block 2	
Print Name	Title
Signature Brett Henry	Date
Authorized Agent Signature	
Print Name Andrew Jansky	Title Principal
Signature Andrew Jansky	Date 6-5-2023

Landowner Signature(s)*	
Landowner of the Project Site (if different from applicant)	
Print Name	Title
Signature	Date
Landowner of the Mitigation Site (if different from applicant)	
Print Name	Title
Signature	Date
Department of State Lands, Property Manager (to be completed by DSL)	
If the project is located on state-owned submerged and submersible lands, DSL staff will obtain a signature from the Land Management Division of DSL. A signature by DSL for activities proposed on state-owned submerged/submersible lands only grants the applicant consent to apply for a removal-fill permit. A signature for activities on state-owned submerged and submersible lands grants no other authority, express or implied and a separate proprietary authorization may be required.	
Print Name	Title

* Not required by the Corps.

6-5-2023

Signature	Date

(14) ATTACHMENTS

- ☐ Drawings
  - ☐ Location map with roads identified
  - ☐ U.S.G.S topographic map
  - ☐ Tax lot map
  - ☐ Site plan(s)
  - ☐ Plan view and cross section drawing(s)
  - ☐ Recent aerial photo
  - ☐ Project photos
  - ☐ Erosion and Pollution Control Plan(s), if applicable
  - ☐ DSL / Corps Wetland Concurrence letter and map, if approved and applicable
- ☐ Pre-printed labels for adjacent property owners (Required if more than 30)
- ☐ Incumbency Certificate if applicant is a partnership or corporation
- ☐ Restoration plan or rehabilitation plan for temporary impacts
- ☐ Mitigation plan
- ☐ Wetland functional assessments, if applicable
  - ☐ Cover Page
  - ☐ Score Sheets
  - ☐ ORWAP OR, F, T, & S forms
  - ☐ ORWAP Reports
  - ☐ Assessment Maps
  - ☐ ORWAP Reports: Soils, Topo, Assessment area, Contributing area
- ☐ Stream Functional Assessments, if applicable
  - ☐ Cover Page
  - ☐ Score Sheets
  - ☐ SFAM PA, PAA, & EAA forms
  - ☐ SFAM Report
  - ☐ Assessment Maps
    - ☐ Aerial Photo Site Map and Topo Site Map (Both maps should document the PA, PAA, & EAA)
- ☐ Compensatory Mitigation (CM) Eligibility & Accounting Worksheet
  - ☐ Matching Quickguide sheet(s)
  - ☐ CM Eligibility & Accounting sheet
- ☐ Alternatives analysis
- ☐ Biological assessment (if requested by the Corps project manager during pre-application coordination)
- ☐ Stormwater management plan (may be required by the Corps or DEQ)
- ☐ Other
  - ☐ Please describe:

For U.S. Army Corps of Engineers send application to:

USACE Portland District
ATTN: CENWP-ODG-P
PO Box 2946
Portland, OR 97208-2946
Phone: 503-808-4373
portlandpermits@usace.army.mil

Counties:
Baker, Benton, Clackamas, Clatsop, Columbia, Gilliam, Grant, Hood River, Jefferson, Lincoln, Linn, Malheur, Marion, Morrow, Multnomah, Polk, Sherman, Tillamook, Umatilla, Union, Wallowa, Wasco, Washington, Wheeler, Yamhill

U.S. Army Corps of Engineers
ATTN: CENWP-ODG-E
211 E. 7th AVE, Suite 105
Eugene, OR 97401-2722
Phone: 541-465-6868
portlandpermits@usace.army.mil

Counties:
Coos, Crook, Curry, Deschutes, Douglas, Jackson, Josephine, Harney, Klamath, Lake, Lane

For Department of State Lands send application to:

West of the Cascades:
Department of State Lands
775 Summer Street NE, Ste 100
Salem, OR 97301-1279
Phone: 503-986-5200
https://www.oregon.gov/dsl/WW/Documents/uploadinstructions_removalfill.pdf

East of the Cascades:
Department of State Lands
951 SW Simpson Ave, Ste 104
Bend, OR 97702
Phone: 541-388-6112
https://www.oregon.gov/dsl/WW/Documents/uploadinstructions_removalfill.pdf

For Department of Environmental Quality:

Submit all application materials electronically through *Your DEQ Online*.

For questions related to *Your DEQ Online*, please visit the *Your DEQ Online* help page, email YourDEQOnline@deq.state.or.us, or call 503-229-6184

INSTRUCTIONS FOR PREPARING THE JOINT APPLICATION

This is a joint application and must be sent to all agencies (Corps, DSL, and DEQ), who administer separate permit or certification processes. For questions regarding these instructions or the form, contact the Corps, DSL and/or DEQ or refer to the following online resources:

- DSL's Removal-Fill Guide; or,
- The Corps Regulatory website: http://www.nwp.usace.army.mil/Missions/Regulatory.aspx
- DEQ's 401 Water Quality Certification website: https://www.oregon.gov/deq/wq/wqpermits/Pages/Section-401-Certification.aspx

General Instructions and Tips

- Provide the information in the appropriate blocks of the application form. If you need more space, provide a summary in the space provided and attach additional detail as an appendix to the application. Each appendix or attachment must reference which application block number it pertains to.
- Not all items on the application form will apply to all projects.
- Electronic submittal of applications and supporting material is preferred by the Corps. Both electronic and hard copies must be in 8 ½ x 11-inch sized format and reproducible in black and white. Currently DSL does not accept electronic submittals. DSL will accept color figures and 11 X 17. Use either all double sided or all single sided paper. Do not use staples or dividers. NOTE: If the electronic submittal of application and associated documents is 10 megabytes or more, check with each agency for how best to submit the document to that agency.
- **FEES:** Fees for water quality certification apply. Nationwide projects approved by DEQ will incur a fee of $985. Others will be evaluated on a case-by-case basis: https://www.oregon.gov/deq/wq/wqpermits/Pages/Section-401-Fees.aspx.

For complex projects or for those that may have more than minimal impacts, additional information may be necessary to complete the evaluation and make a permit decision. Alternative forms of permit applications may be acceptable; contact the Corps and DSL for more information.

Section 1. Type of Permit(s) if Known
If known, indicate the type of permit/authorization applying for.

Section 2. Applicant and Landowner Contact Information
Applicant: The applicant is the responsible party. If the applicant is an agency, business entity or other organization, indicate the name of the organization and a person that has the authority to sign the application. If applicant is a partnership or corporation, the applicant name must match the Incumbency Certificate, and the business name as listed on OR Secretary of State business registry. Applicant must not be "doing business as" or has an "assumed business name." In such cases the applicant must be an individual.
Applicant Contact Name: If the applicant is a business, provide the contact name for an individual representing the business.
Authorized Agent: An authorized agent is someone who has permission from the applicant to represent their interests and supply information to the agencies. An agent can be a consultant, an attorney, builder, contractor, or any other person or organization. An authorized agent is optional.
Landowner: Provide landowner information if different from the applicant. DSL requires the landowner's signature, unless the project qualifies as a linear project, e.g. road, pipeline, utility.

Section 3. Project Information
A. Provide location information. Latitude and longitude must be reported in decimal format and can be found by zooming in to your respective project location and reading off the coordinates displayed on the bottom many maps, such as Google Earth.

B. Provide information on wetlands and waterbodies within the project area. Indicate the category of activities that make up your project. For projects with multiple locations, provide latitude and longitude for each location. For linear projects, provide the latitude and longitude for the start and end points.

Section 4. Project Description

A. Overall Description: Provide a description of the overall project, including:

- All associated work with the project both outside and within waters or wetlands.
- Total ground disturbance for all associated work (i.e., area and volume of ground disturbance).
- Total area of impervious surfaces created or modified by the project, if applicable.

B. Work within Waters and Wetlands: Provide a description of the proposed work within waters and wetlands, including:

- Each removal or fill activity proposed in waters or wetlands, as well as any construction or maintenance of in-water or over-water structures.
- The number and dimensions of in-water or over-water structures (i.e., pilings, floating docks) proposed within waters or wetlands.

C. Construction Methods: Describe how the removal and/or fill activities will be accomplished, including the following:

- Construction methods, equipment to be used, access and staging areas, etc.
- Measures you will use during construction to minimize impacts to the waterbody or wetland. Examples may include isolating work areas, controlling construction access, site specific erosion and sediment control methods, site specific best management practices, and using specialized equipment or materials. Attach work area isolation and/or erosion and pollution control plans, if applicable.

D. Fill Material and Disposal: Provide a description of fill material and procedure for disposal of removed material, including:

- The source(s) of fill materials (if known).
- Locations for disposal area(s) for dredged material, if applicable. If dredged material is to be discharged on an upland site, identify the site and the steps to be taken (if necessary) to prevent runoff from the dredged material back into jurisdictional waters. If using an upland disposal area that is not a Department of Environmental Quality (DEQ)-regulated landfill, a Solid Waste Letter of Authorization or a Beneficial Use Determination from DEQ may be required.

E. Construction Timing: Provide the proposed start and completion dates for the project. Describe project work that is already complete, if applicable.

F. – I. Summary of Removal and Fill Activities: Summarize the dimensions, volume and type/composition of material being placed or removed in each waterbody or wetland. Describe each impact on a separate row. For instance, if two culverts are being removed from Clear Creek, use two rows. Add extra rows if needed or include an attachment.

The DSL and the Corps use different elevations for determining whether an activity in tidal waters is regulated by the State's Removal-Fill law, the Clean Water Act, and/or the Rivers and Harbors Act. DSL regulates activities below the highest measured tide. The Clean Water Act applies below the high tide line. The Rivers and Harbors Act applies below the mean high water.

If jurisdictional limits are not the same for each agency, prepare a table for each agency stating impacts within that agency's jurisdiction.

Section 5. Project Purpose and Need
Explain the purpose and need for the project. Also include a brief description of any related activities needed to accomplish the project objectives.

The following items are required by DSL, as applicable:
- If the removal-fill would satisfy a public need and the applicant is a public body, include any pertinent findings regarding public need and benefit.
- If the project involves fill in the estuary for a non-water dependent use, explain how the project is for public use and/or satisfies a public need.
- If the project is located within a marine reserve or marine protected area, explain how the project is needed to study, monitor, evaluate, enforce or protect the designated area.

Section 6. Description of Resources in Project Area
Territorial Sea: For activities in the Territorial Sea (mean lower low water seaward 3 nautical miles), provide a separate evaluation of the resources and effects determination.

For each wetland, include:
- Whether the wetland is freshwater or tidal, and the Cowardin class and Hydrogeomorphic (HGM) class.
- Source of hydrology and direction of flow (if any).
- Dominant plant species by layer (herb, shrub, tree).
- Assessment of the hydrologic, water quality, fish habitat, aquatic habitat, and ecosystem support functions and values of the wetland(s) to be permanently impacted. The assessment should be attached as a separate Excel document.
    - DSL requires the use of ORWAP for wetland impacts over 0.2 acre and any wetland that is an Aquatic Resource of Special Concern (ARSC), unless the impacts are to Agate Desert Vernal Pools (VPs). See Appendix B of the Removal Fill Guide for a list of ARSCs. The Vernal Pool Assessment Method is required for all VPs. For impacts to wetlands less than 0.2 acre that are not ARSCs or VPs Best Professional Judgment (BPJ) may be used.
- Identify any Aquatic Resources of Special Concern (ARSC) in or near the project area. ARSCs include alkali wetlands, bogs, cold water habitat, fens, hot springs, interdunal wetlands, kelp beds, mature forested wetlands, native eelgrass beds, off-channel habitats (alcoves and side channels), ultramafic soil wetlands, vernal pools (including Willamette Valley, Medford area, Modoc basalt, and Columbia Plateau vernal pools), wet prairies, or wooded tidal wetlands. See Appendix B of the Removal Fill Guide for a list of ARSCs.
- Include relevant summary information from the wetland delineation report if available. Provide a copy of the wetland delineation report to **the Corps,** if not previously provided to the Corps. If a delineation report has not been previously submitted to DSL, then submit to DSL under a separate cover.
- Describe existing uses, including fish and wildlife use (type, abundance, period of use, and significance of site).
- Next major downstream waterbody name.

For rivers, streams, other waterbodies, lakes and ponds, include a description of, as applicable:
- Streamflow regime (e.g., perennial year-round flow, intermittent seasonal flow, ephemeral event-driven flow). If flow is ephemeral, provide streamflow assessment data sheet or other information that supports your determination.
- Field indicators used to identify the Ordinary High Water Mark (OHWM).
- Channel and bank conditions.

- Type and condition of riparian (streamside) vegetation.
- Channel morphology (structure and shape).
- Stream substrate.
- Assessment of the hydrologic, geomorphic, biologic and water quality functions and values of waters to be permanently impacted.
    - DSL requires use of the Stream Function Assessment Methodology (SFAM) for wadable non-tidal streams. SFAM should be attached as a separate Excel document. For impacts to non-wadable or tidal streams, BPJ can be used. Sections 2.2 through 2.3 of the SFAM User Manual give guidance for the functions and values to be addressed for all streams, even if SFAM does not apply.
- Identify any Aquatic Resources of Special Concern (ARSC) in or near the project area. ARSCs include alkali wetlands, bogs, cold water habitat, fens, hot springs, interdunal wetlands, kelp beds, mature forested wetlands, native eelgrass beds, off-channel habitats (alcoves and side channels), ultramafic soil wetlands, vernal pools (including Willamette Valley, Medford area, Modoc basalt, and Columbia Plateau vernal pools), wet prairies, or wooded tidal wetlands.
- Fish and wildlife use (type, abundance, period of use, and significance of site).
- Water quality impairments, including waterways adjacent to impacted wetlands and waterway to be impacted and next major downstream waterbody

Section 7. Project Specific Criteria and Alternatives Analysis
Provide an explanation describing how impacts to waters and wetlands are being avoided and minimized on the project site. For DSL, the alternatives analysis must include:

- Project-specific criteria that are needed to accomplish the stated project purpose.
- A range of alternative sites and designs that were considered with less impact.
- An evaluation of each alternative site and design against the project criteria and a reason for why the alternative was not chosen.
- If the project involves fill in an estuary for a non-water dependent use, a description of alternative non-estuarine sites must be included.

The level of rigor required in this analysis should be commensurate with the level of impact proposed. Please note that additional information regarding alternatives may be necessary for Corps Individual Permits to comply with the Clean Water Act Section 404(b)(1) Guidelines. Please check with your local Corps contact early in the planning process to determine what level of analysis is required. An alternative analysis is not required for a complete application by the Corps; however, it may be required before a permit decision can be rendered.

Section 8. Additional Information
Any additional information you provide helps the reviewer(s) understand your project and the other approvals or reviews that may be required.

Section 9. Impacts, Restoration/Rehabilitation, and Compensatory Mitigation
A. Description of Impacts: Clearly identify the permanent, temporary, direct and indirect impacts. Provide a written analysis of potential changes the project may make to the hydrologic characteristics of the affected wetlands or waterbodies, and an explanation of measures taken to avoid or minimize any adverse effects of those changes, such as: impeding, restricting or increasing flows; relocating or redirecting flow; and potential flooding or erosion downstream of the project. Provide a table summarizing permanent and temporary impacts by HGM and Cowardin Classifications.

B. Site Restoration/Rehabilitation: For temporary disturbance of soils and/or vegetation in waterbodies, wetlands or riparian (streamside) areas, discuss how you will restore the site after construction. This may include the following:

- Grading plans to restore pre-existing elevations.
- Planting plans and species list (native species only) to replace vegetation in riparian or wetland areas.
- Maintenance and monitoring plans to document restoration to wetland condition and/or vegetation establishment.
- Associated erosion control for site stabilization.

C.-D. Compensatory Mitigation. Describe your proposed compensatory mitigation approach or explain why you believe compensatory mitigation is not required. If proposing permittee-responsible mitigation for permanent impacts to jurisdictional waters, see OAR 141-085-0705 and 33 CFR 332.4(c) for plan requirements. The Oregon Explorer Aquatic Mitigation topic page and map viewers may be a helpful resource.

For activities involving discharges of dredged or fill material into waters of the United States, the Corps requires the application to include a statement describing how impacts to waters of the United States are to be avoided and minimized. The application must also include either a statement describing how impacts to waters of the United States are to be compensated for or a statement explaining why compensatory mitigation should not be required for the proposed impacts.

Section 10. Adjacent Property Owners for Project and Mitigation Site(s)
Names and addresses for properties that are adjacent to the project site and permittee responsible mitigation site (if applicable), are required. "Adjacent" means those properties that share or touch upon a common property line or are across the street or stream. If more than 30, attach pre-printed labels. A list of property owners may be obtained by contacting the county tax assessor's office.

Section 11. City/County Planning Department Land Use Affidavit
This section is required to demonstrate land use compatibility for removal fill permits and water quality certifications. Provide this form to your local planning official for them to complete and sign.

Section 12. Coastal Zone Certification
Your signature for this statement is **required** for projects within the coastal zone (generally, west of the summit of the Coast Range).

Section 13. Signatures
The application **must** be signed by the responsible party as identified in section 1. DSL also requires the landowner's signature. Linear Facilities (e.g. road, pipeline, utility) do not require landowner signature for the impact sites; signatures are required for mitigation sites.

Section 14: Attachments
Project Drawings. A complete application must include a location map, site plan, and plan view and cross-section drawings. DSL also requires a recent aerial photo. All drawings should be clear, legible, and to scale. For the Corps, drawings must be on 8.5 x 11-inch paper and must be in black and white or clearly reproducible in black and white. DSL will accept color and 11 x 17, but all figures must be clear when reproduced in black and white. While illustrations need not be professionally prepared, they should be clear, accurate, and contain all necessary information, as follows:

Location maps (with project boundaries, including staging and construction access, scale bar and north arrow on all):
- Location map with roads identified
- U.S.G.S. Topographic map
- Tax lot map

Site plan(s), including:
- Entire project site and activity areas, which includes staging and construction access areas
- Existing and proposed contours
- Stormwater outfalls and other related features
- Location of Ordinary High Water Mark, wetland boundaries, and other jurisdictional boundaries. Clearly identify temporary, permanent, direct and indirect impact areas within waterbodies and wetlands
- Scale bar, legend, and north arrow
- Location of staging areas and construction access
- Location of cross section(s), as applicable
- Location of mitigation area, if applicable

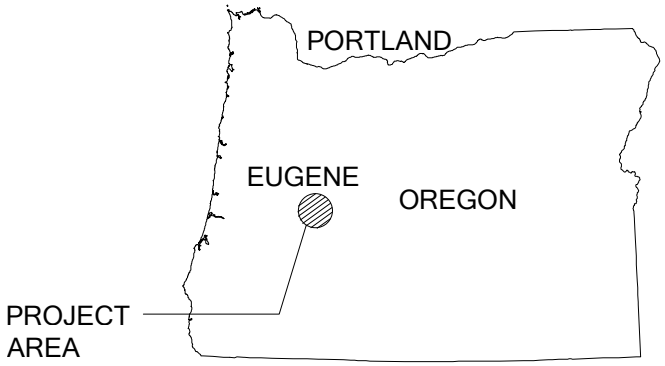
Cross section drawing(s), including:
- Existing and proposed elevations
- Clearly identify temporary, permanent, direct and indirect impact areas within waterbodies and wetlands
- Ordinary High Water Mark, wetland boundaries, and other jurisdictional boundaries
- Scale bar (horizontal and vertical scale)

Recent Aerial Photo
- 1:200 resolution, or, if not available for your site, highest resolution possible

DSL Wetland Concurrence (map and letter only for DSL; the Corps requires the full wetland/waters delineation report if not already submitted)

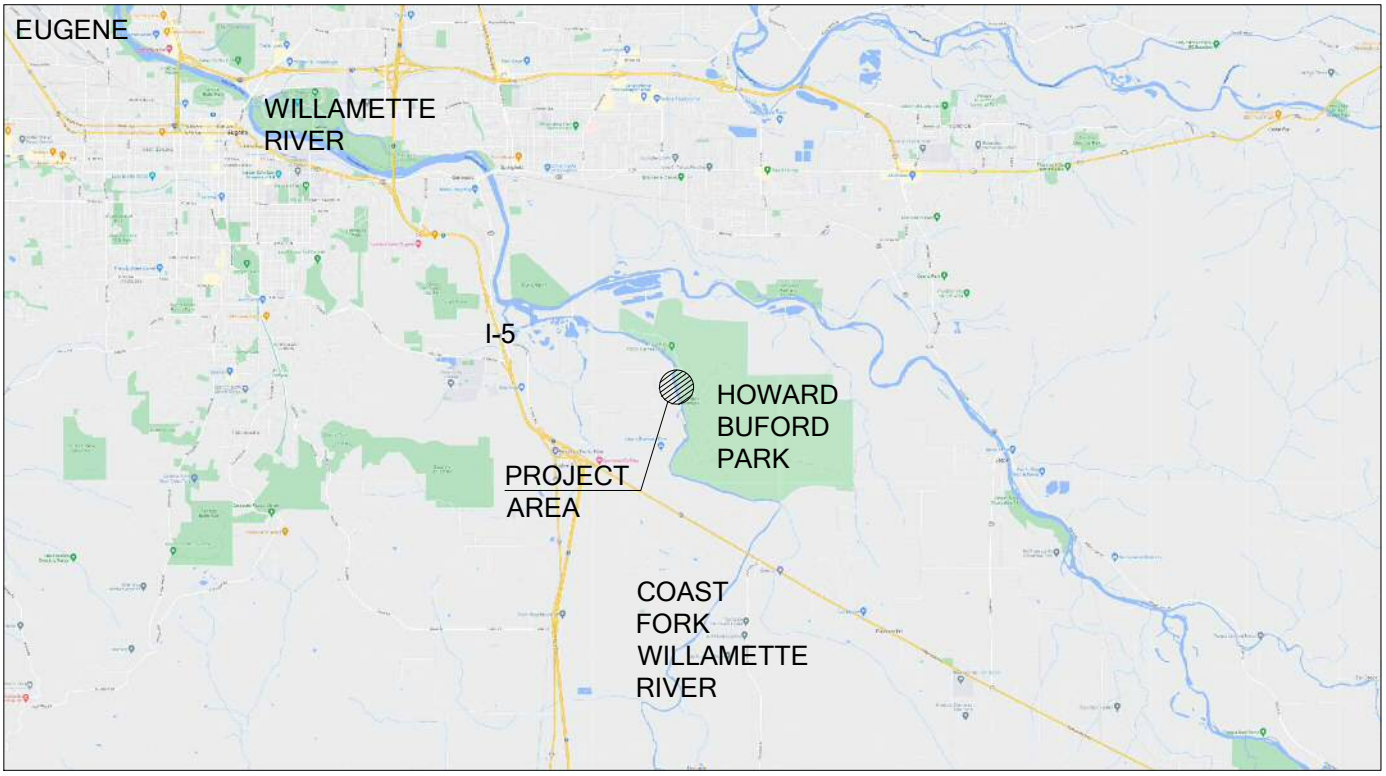
Mitigation documents including:
- Functional assessment results for each impacted resource and mitigation area
    - Results should include: Cover sheet, Score Sheet, assessment area maps
- Eligibility and Accounting Worksheet
    - Matching “Quickguide” sheet(s)
    - Compensatory Mitigation (CM) Eligibility & Accounting sheet

Do NOT submit the following items to DSL (unless specifically requested by DSL for your project):
- Wetland delineation report
- Biological assessment
- Cultural/archeological reports
- Stormwater calculations
- Geotechnical reports
- Marketing reports
- Contract agreements
- Applications for other agencies such as local land use applications
- Contractor/construction specifications
- Other extraneous drawings and information



SHEET INDEX:

1. Cover Sheet
2. Tax Map
3. Survey
4. River Access Context
5. Construction Plan
6. Restoration Plan
7. Main Launch Profile
8. Assessable Path Profile
9. Main Launch Sections (A)
10. Main Launch Sections (B)
11. Assessable Path Sections (A)
12. Assessable Path Sections (B)
13. Assessable Landing
14. Air Photo

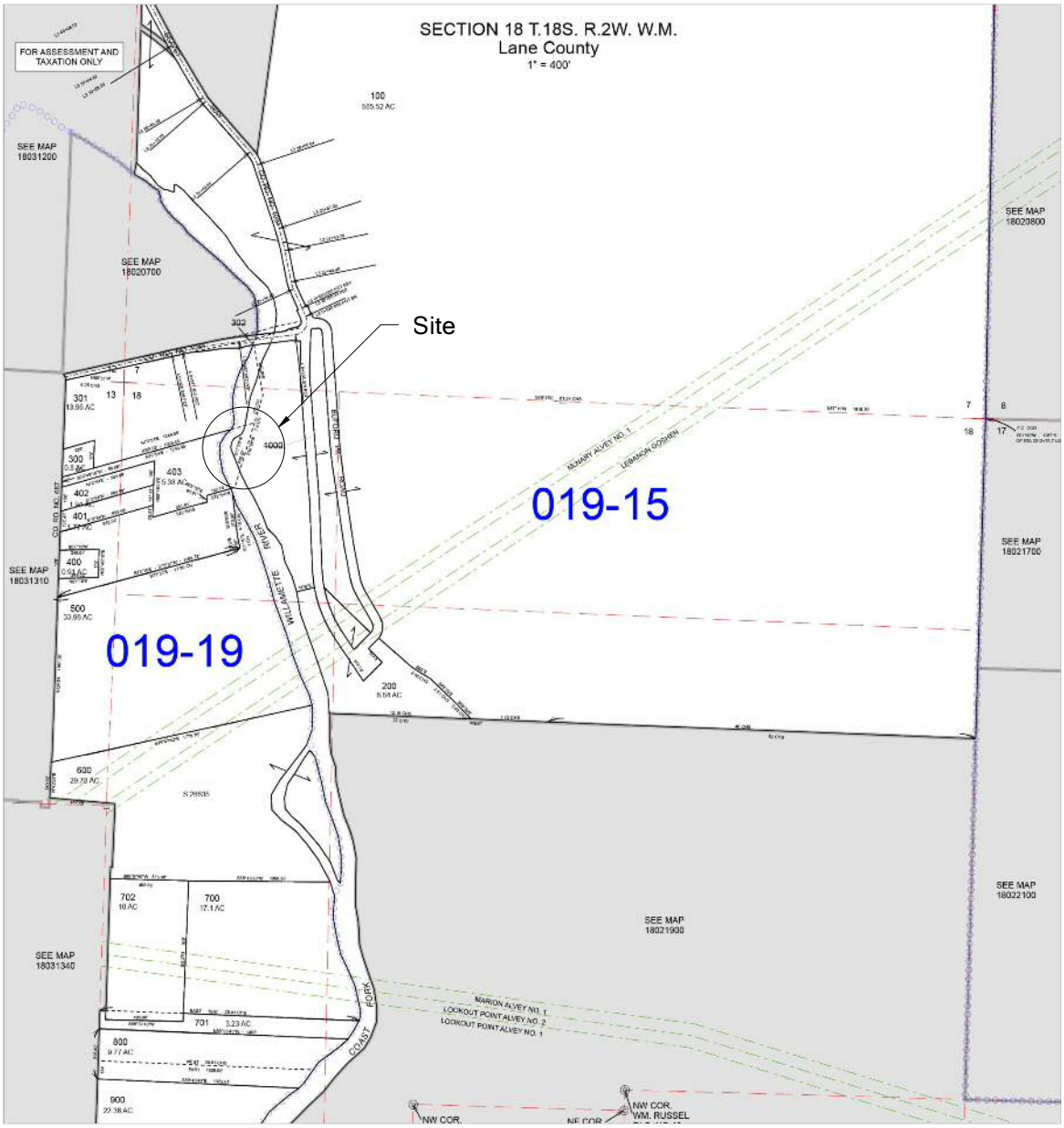


Flowing solutions
Flowing Solutions
3305 SW 87th Avenue
Portland, OR 97225
Phone (503) 297-6311

SHEET TITLE: COVER SHEET		DATE: 6-5-2023
PROJECT: HOWARD BUFORD RECREATION AREA RIVER ACCESS 34639 FRANK PARRISH RD EUGENE, OREGON 97403		SHEET NO. 1
RIVER/MILE: COAST FORK WILAMETTE RM. 2.5	DATUM: NAVD88	

d:\fs\fsprojects\howardbufordlaunch\cad\hbra drawings review draft 6-5-2023.dwg

DATE: 6-5-2023



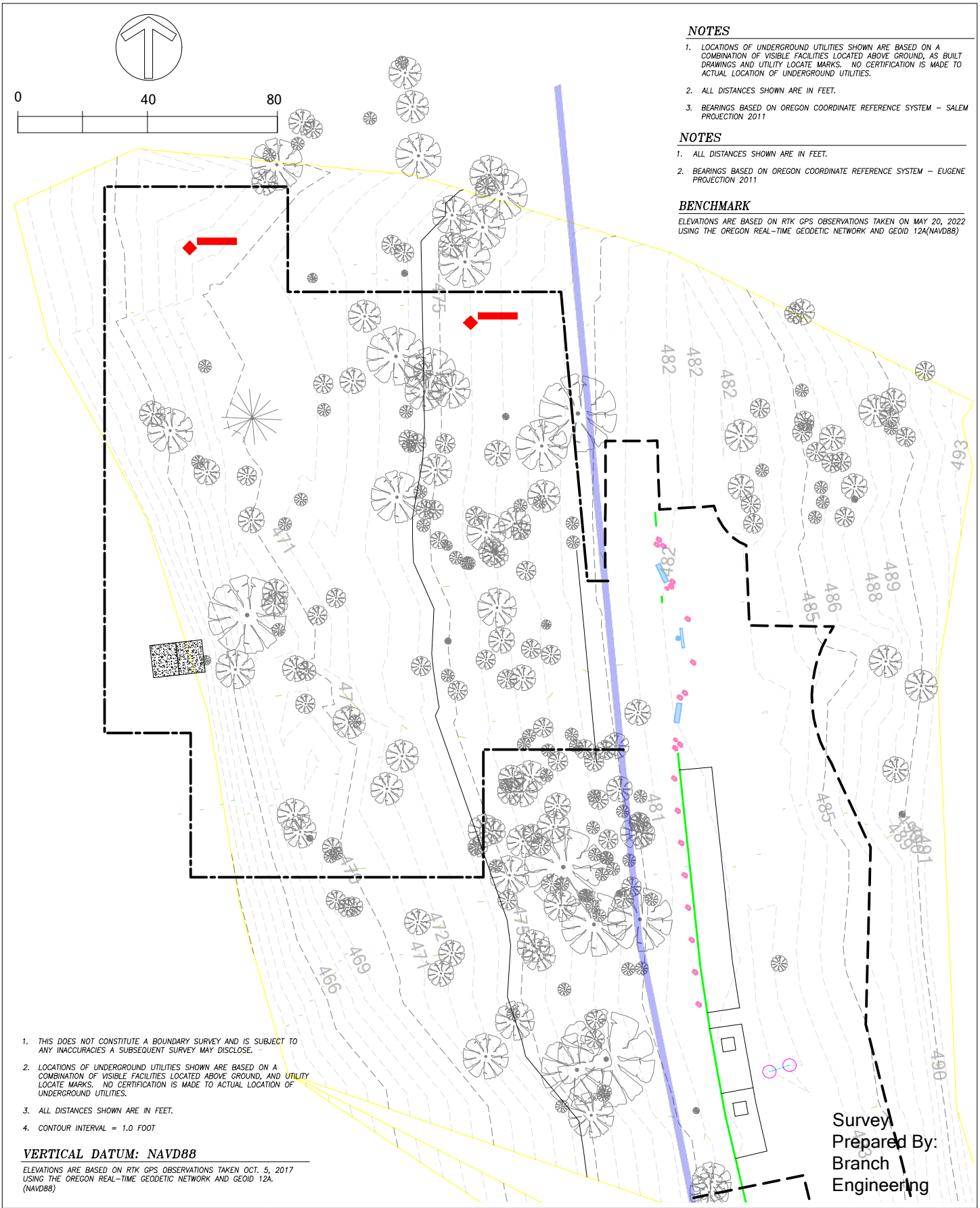
Flowing solutions

Flowing Solutions
3305 SW 87th Avenue
Portland, OR 97225
Phone (503) 297-6311

SHEET TITLE: TAX MAP		DATE: 6-5-2023
PROJECT: HOWARD BUFORD RECREATION AREA RIVER ACCESS 34639 FRANK PARRISH RD EUGENE, OREGON 97403		SHEET NO. 2
RIVER/MILE: COAST FORK WILAMETTE RM. 2.5	DATUM: NAVD88	

d:\fs\fsprojects\howardbufordlaunch\cad\hbra drawings review draft 6-5-2023.dwg

DATE: 6-5-2023



NOTES

1. LOCATIONS OF UNDERGROUND UTILITIES SHOWN ARE BASED ON A COMBINATION OF VISIBLE FACILITIES LOCATED ABOVE GROUND, AS BUILT DRAWINGS AND UTILITY LOCATE MARKS. NO CERTIFICATION IS MADE TO ACTUAL LOCATION OF UNDERGROUND UTILITIES.
2. ALL DISTANCES SHOWN ARE IN FEET.
3. BEARINGS BASED ON OREGON COORDINATE REFERENCE SYSTEM – SALEM PROJECTION 2011

NOTES

1. ALL DISTANCES SHOWN ARE IN FEET.
2. BEARINGS BASED ON OREGON COORDINATE REFERENCE SYSTEM – EUGENE PROJECTION 2011

BENCHMARK

ELEVATIONS ARE BASED ON RTK GPS OBSERVATIONS TAKEN ON MAY 20, 2022 USING THE OREGON REAL–TIME GEODETIC NETWORK AND GEOID 12A(NAVD88)

1. THIS DOES NOT CONSTITUTE A BOUNDARY SURVEY AND IS SUBJECT TO ANY INACCURACIES A SUBSEQUENT SURVEY MAY DISCLOSE.
2. LOCATIONS OF UNDERGROUND UTILITIES SHOWN ARE BASED ON A COMBINATION OF VISIBLE FACILITIES LOCATED ABOVE GROUND, AND UTILITY LOCATE MARKS. NO CERTIFICATION IS MADE TO ACTUAL LOCATION OF UNDERGROUND UTILITIES.
3. ALL DISTANCES SHOWN ARE IN FEET.
4. CONTOUR INTERVAL = 1.0 FOOT

VERTICAL DATUM: NAVD88

ELEVATIONS ARE BASED ON RTK GPS OBSERVATIONS TAKEN OCT. 5, 2017 USING THE OREGON REAL–TIME GEODETIC NETWORK AND GEOID 12A. (NAVD88)

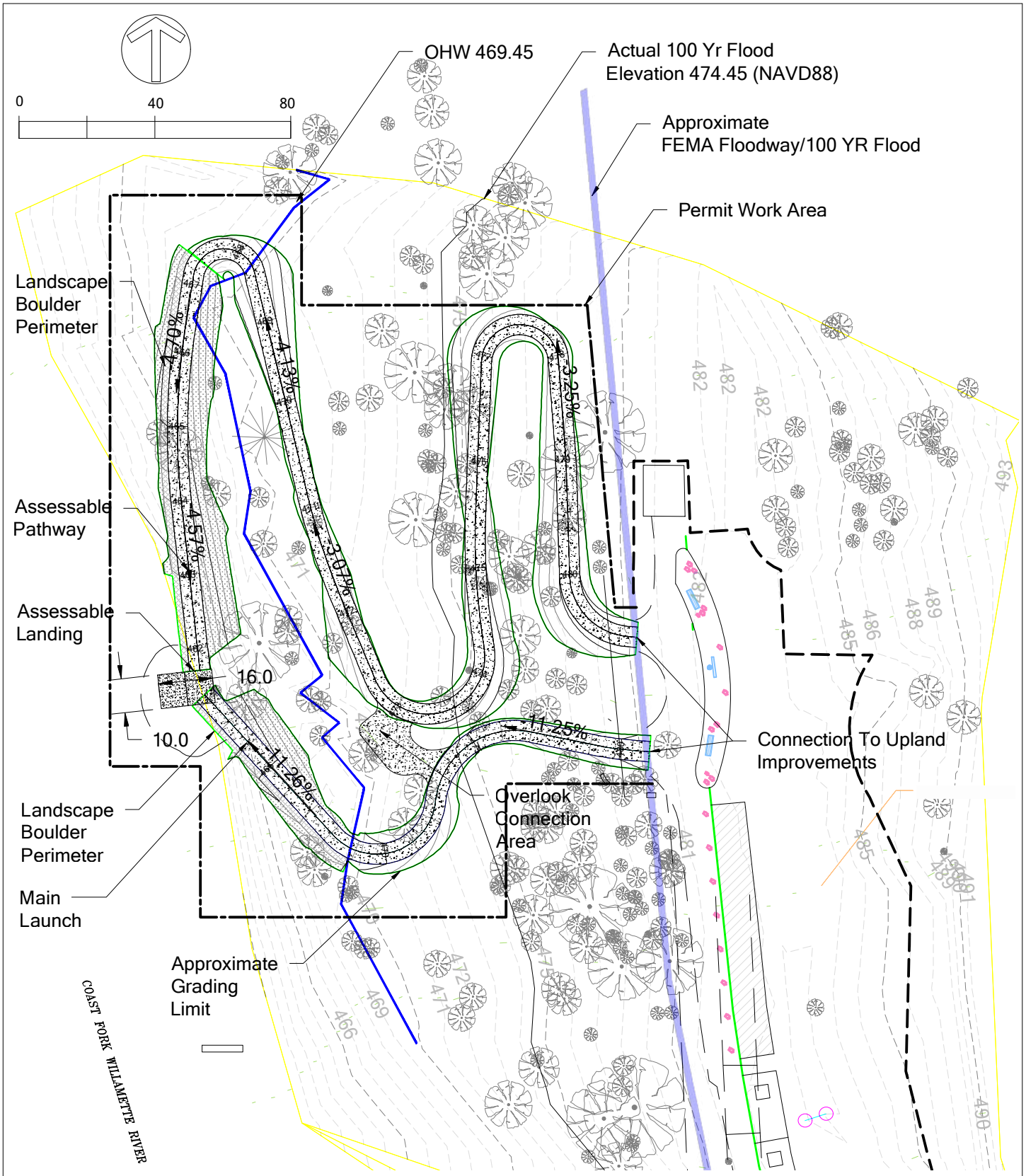
Flowing solutions

Flowing Solutions
3305 SW 87th Avenue
Portland, OR 97225
Phone (503) 297-6311

SHEET TITLE: SURVEY-BRANCH ENGINEERING 2022		DATE: 6-5-2023
PROJECT: HOWARD BUFORD RECREATION AREA RIVER ACCESS 34639 FRANK PARRISH RD EUGENE, OREGON 97403		SHEET NO. 3
RIVER/MILE: COAST FORK WILAMETTE RM. 2.5	DATUM: NAVD88	

d:\fs\fsprojects\howardbufordlaunch\cad\hbra drawings review draft 6-5-2023.dwg

DATE: 6-5-2023



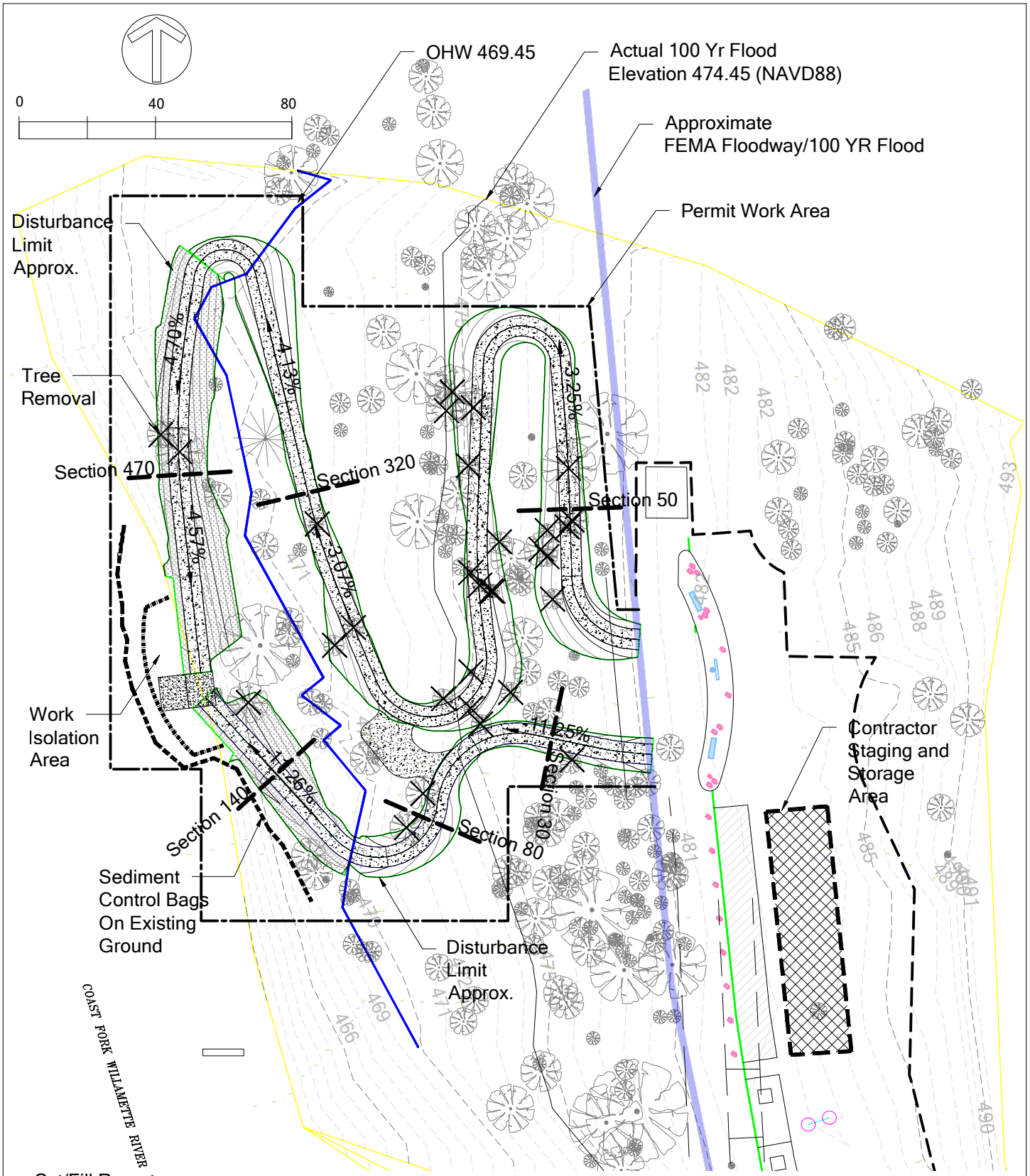
d:\fs\fsprojects\howardbuforlaunch\cad\hbra drawings review draft 6-5-2023.dwg

Flowing solutions

Flowing Solutions
3305 SW 87th Avenue
Portland, OR 97225
Phone (503) 297-6311

SHEET TITLE: RIVER ACCESS PLAN CONTEXT		DATE: 6-5-2023
PROJECT: HOWARD BUFORD RECREATION AREA RIVER ACCESS 34639 FRANK PARRISH RD EUGENE, OREGON 97403		SHEET NO. 4
RIVER/MILE: COAST FORK WILAMETTE RM. 2.5	DATUM: NAVD88	

DATE: 6-5-2023



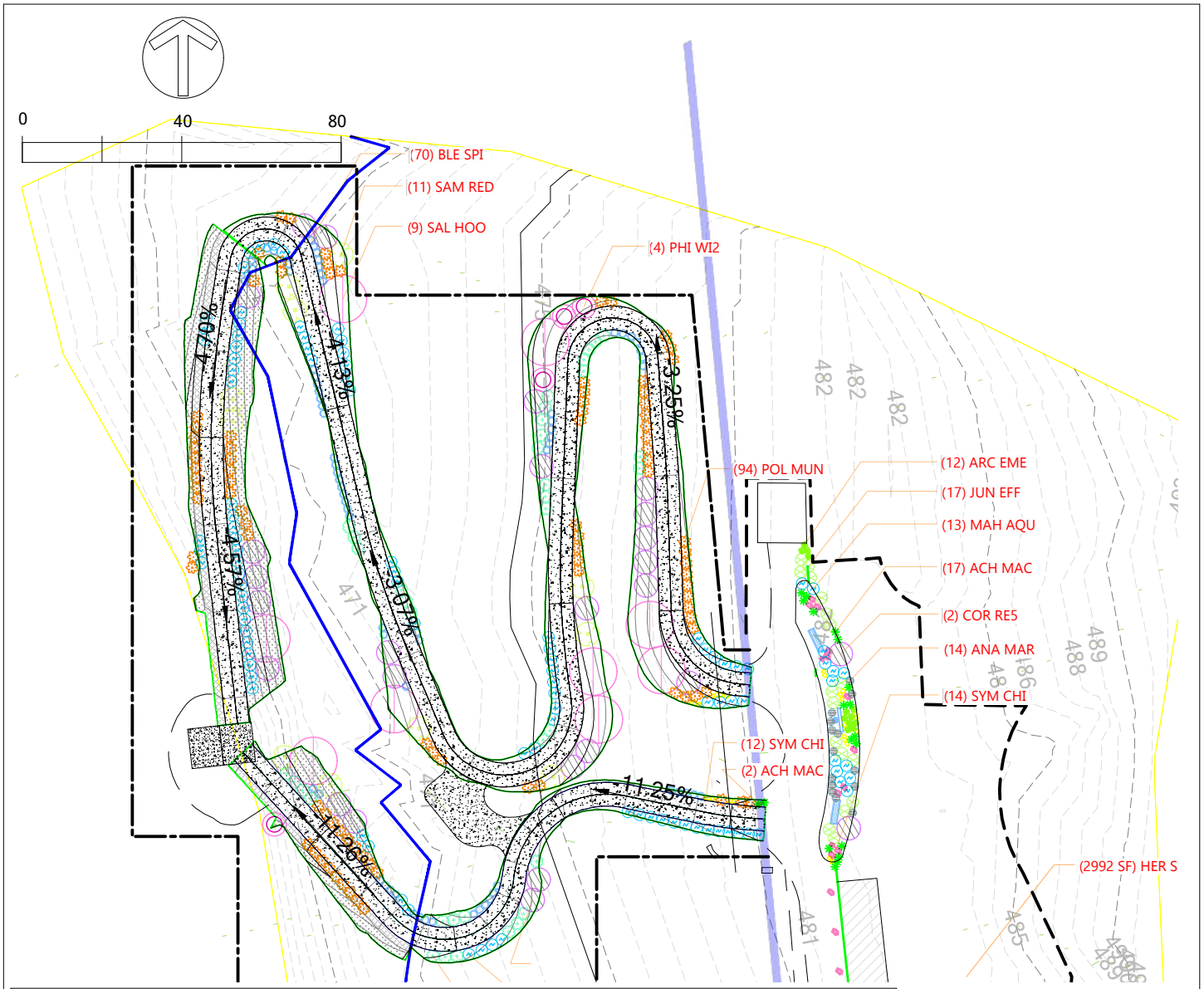
Cut/Fill Report
Cut to Proposed Surface 125 cy
Fill to Proposed Surface 65 cy
Project is net cut

Flowing solutions
Flowing Solutions
3305 SW 87th Avenue
Portland, OR 97225
Phone (503) 297-6311

SHEET TITLE: CONSTRUCTION PLAN		DATE: 6-5-2023
PROJECT: HOWARD BUFORD RECREATION AREA RIVER ACCESS 34639 FRANK PARRISH RD EUGENE, OREGON 97403		SHEET NO. 5
RIVER/MILE: COAST FORK WILAMETTE RM. 2.5	DATUM: NAVD88	

d:\fs\fsprojects\howardbufordlaunch\cad\hbra drawings review draft 6-5-2023.dwg

DATE: 6-5-2023



SHRUBS	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	SPACING	QTY
ARC EME	Arctostaphylos uva-ursi `Emerald Carpet`	Emerald Carpet Manzanita	#1	Container	18" o.c.	12
COR RE5	Cornus sericea	Red Twig Dogwood	#5	Container	72" o.c.	26
MAH AQU	Mahonia aquifolium	Oregon Grape	#3	Container	36" o.c.	103
PHI WI2	Philadelphus lewisii	Wild Mockorange	#5	Container	72" o.c.	4
SAL HOO	Salix hookeriana	Dune Willow	#5	Container	96" o.c.	9
SAM RED	Sambucus racemosa	Red Elderberry	#5	Container	72" o.c.	11
SYM ALB	Symphoricarpos albus	Common White Snowberry	#3	Container	36" o.c.	37
FERNS	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	SPACING	QTY
BLE SPI	Blechnum spicant	Deer Fern	#1	Container	24" o.c.	70
POL MUN	Polystichum munitum	Western Sword Fern	#3	Container	36" o.c.	94
GRASSES, RUSHES, & SEDGES	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	SPACING	QTY
JUN EFF	Juncus effusus	Common Rush	#3	Container	36" o.c.	17
PERENNIALS	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	SPACING	QTY
ACH MAC	Achillea macrophylla	Big-leaf Yarrow	#1	Container	24" o.c.	19
ANA MAR	Anaphalis margaritacea	Pearly Everlasting	#1	Container	24" o.c.	14
SYM CHI	Symphyotrichum chilense	Pacific Aster	#1	Container	12" o.c.	27
SEED MIX	CODE	NOTES				
	HER SEE	Heritage Seedlings Mix: Disturbed Ground/Late-Seeding Mix Forbs & Grasses	2992 SF			

Restoration Plan
Prepared By:
Cameron
McCarthy

Flowing solutions
Flowing Solutions
3305 SW 87th Avenue
Portland, OR 97225
Phone (503) 297-6311

SHEET TITLE: RESTORATION PLANTING PLAN

PROJECT: HOWARD BUFORD RECREATION AREA RIVER ACCESS
34639 FRANK PARRISH RD
EUGENE, OREGON 97403

RIVER/MILE: COAST FORK WILAMETTE RM. 2.5

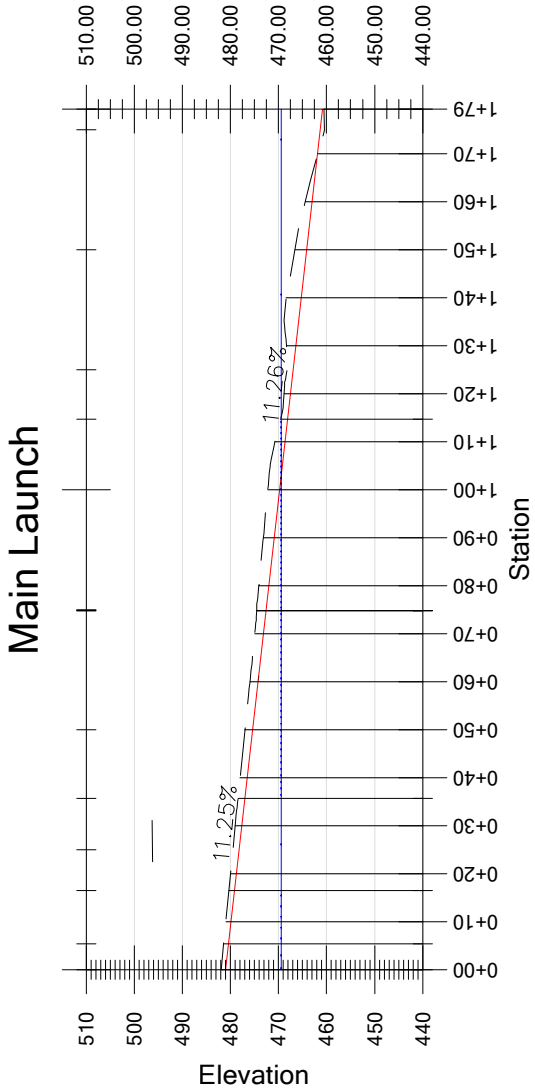
DATUM: NAVD88

DATE: 6-5-2023

SHEET NO. 6

d:\fs\fsprojects\howardbufordlaunch\cad\hbra drawings review draft 6-5-2023.dwg

DATE: 6-5-2023



0 40 80

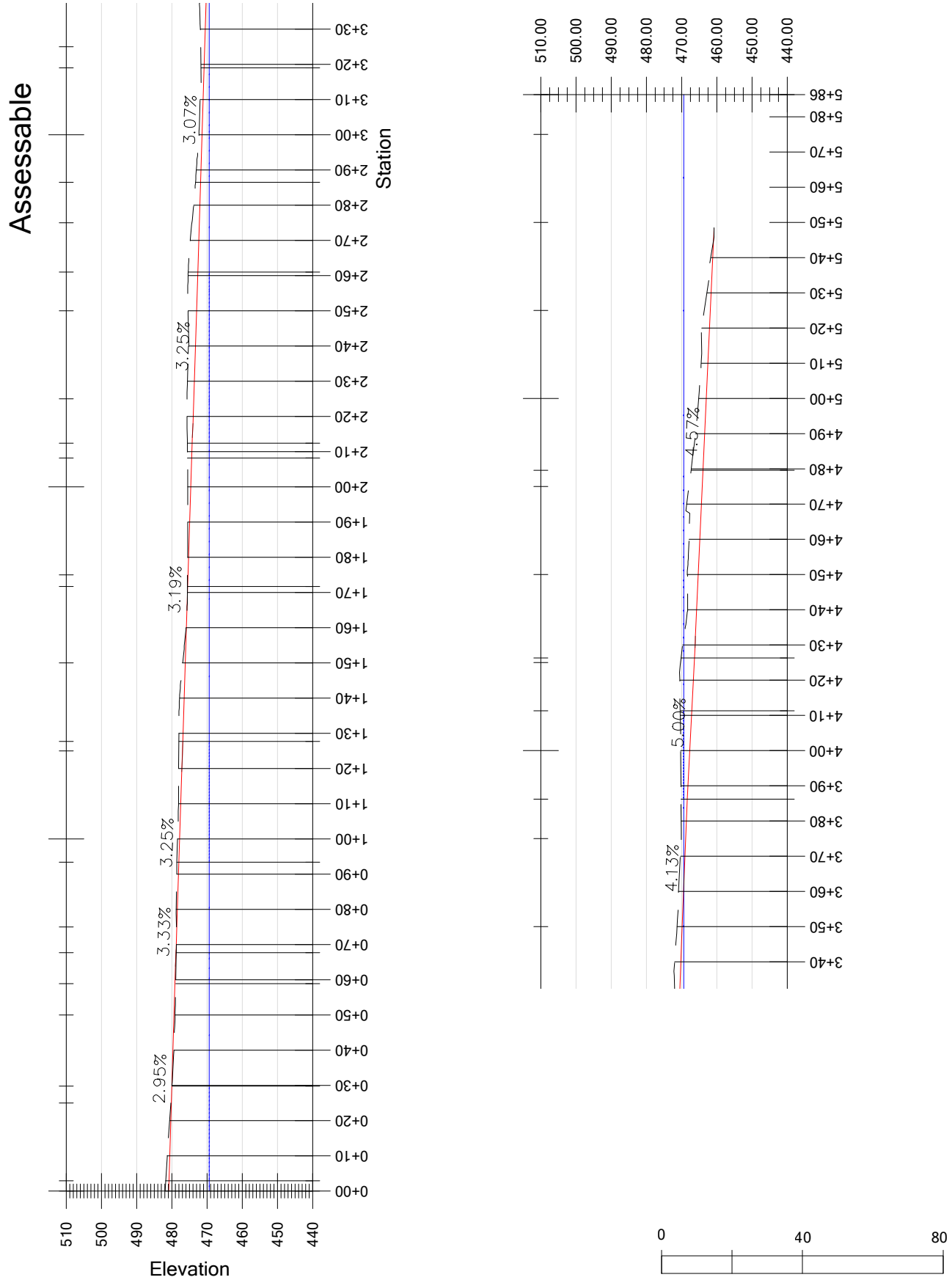
Flowing solutions

Flowing Solutions
3305 SW 87th Avenue
Portland, OR 97225
Phone (503) 297-6311

SHEET TITLE: MAIN LAUNCH PROFILE		DATE: 6-5-2023
PROJECT: HOWARD BUFORD RECREATION AREA RIVER ACCESS 34639 FRANK PARRISH RD EUGENE, OREGON 97403		SHEET NO. 7
RIVER/MILE: COAST FORK WILAMETTE RM. 2.5	DATUM: NAVD88	

d:\fs\fsprojects\howardbufordlaunch\cad\hbra drawings review draft 6-5-2023.dwg

DATE: 6-5-2023



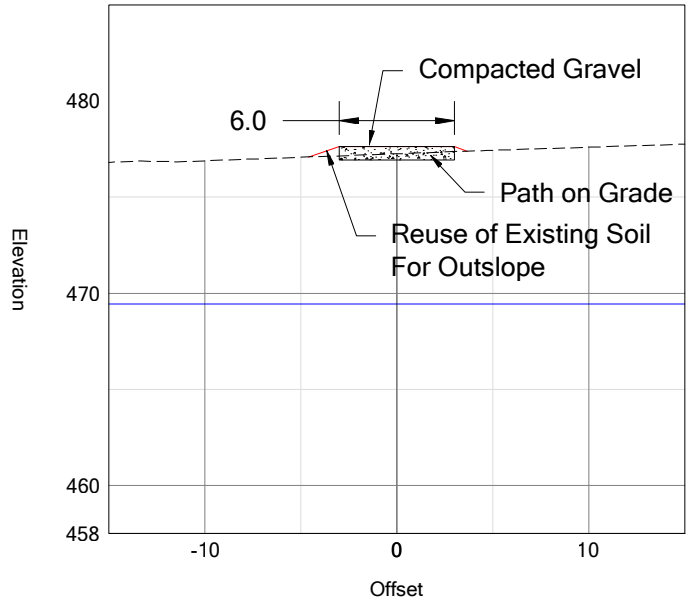
Flowing solutions

Flowing Solutions
3305 SW 87th Avenue
Portland, OR 97225
Phone (503) 297-6311

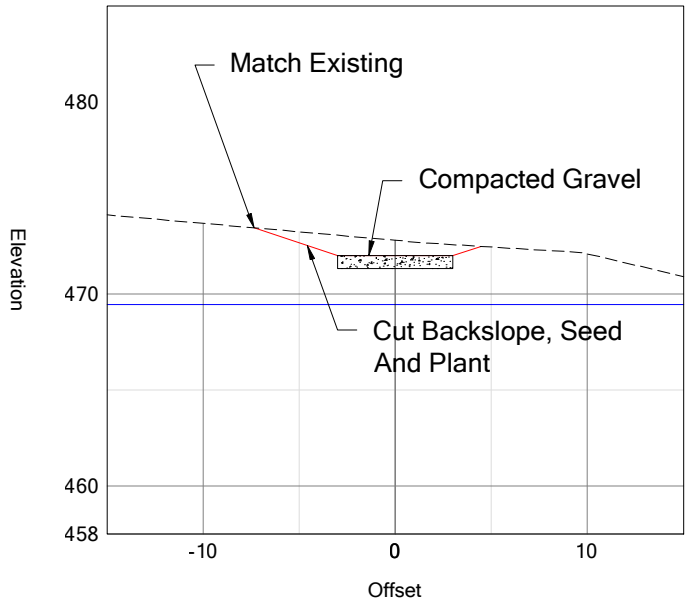
SHEET TITLE: ASSESSABLE PATH PROFILE		DATE: 6-5-2023
PROJECT: HOWARD BUFORD RECREATION AREA RIVER ACCESS 34639 FRANK PARRISH RD EUGENE, OREGON 97403		SHEET NO. 8
RIVER/MILE: COAST FORK WILAMETTE RM. 2.5	DATUM: NAVD88	

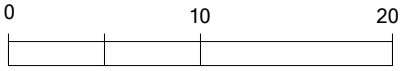
d:\fs\fsprojects\howardbufordlaunch\cad\hbra drawings review draft 6-5-2023.dwg

Section-0+30.00



Section-0+80.00

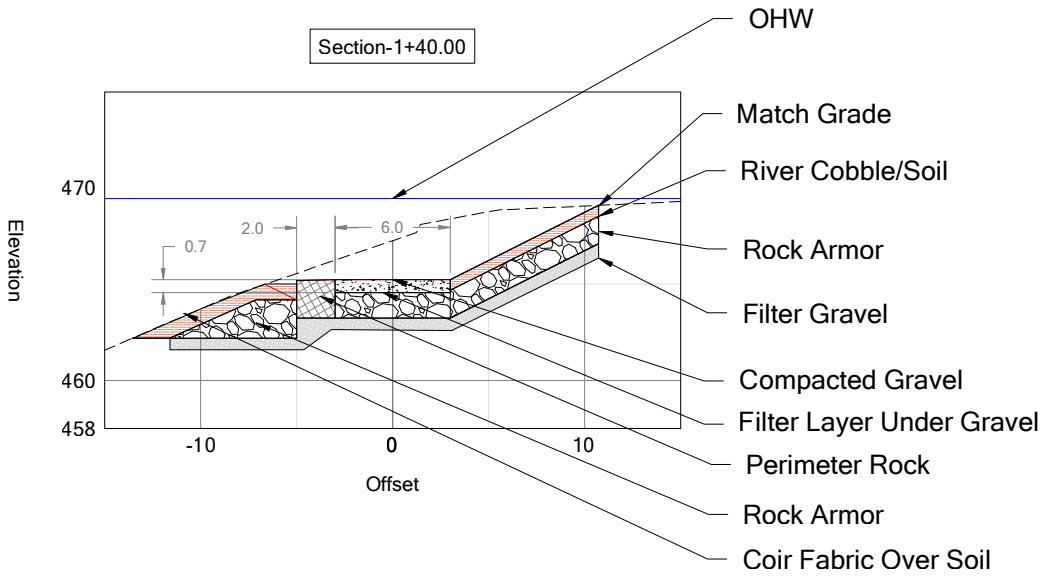




Flowing solutions
Flowing Solutions
3305 SW 87th Avenue
Portland, OR 97225
Phone (503) 297-6311

SHEET TITLE: MAIN LAUNCH SECTIONS (A)		DATE: 6-5-2023
PROJECT: HOWARD BUFORD RECREATION AREA RIVER ACCESS 34639 FRANK PARRISH RD EUGENE, OREGON 97403		SHEET NO. 9
RIVER/MILE: COAST FORK WILAMETTE RM. 2.5	DATUM: NAVD88	

d:\fs\fsprojects\howardbufordlaunch\cad\hbra drawings review draft 6-5-2023.dwg



COIR PLANTING SLOPE EXAMPLE

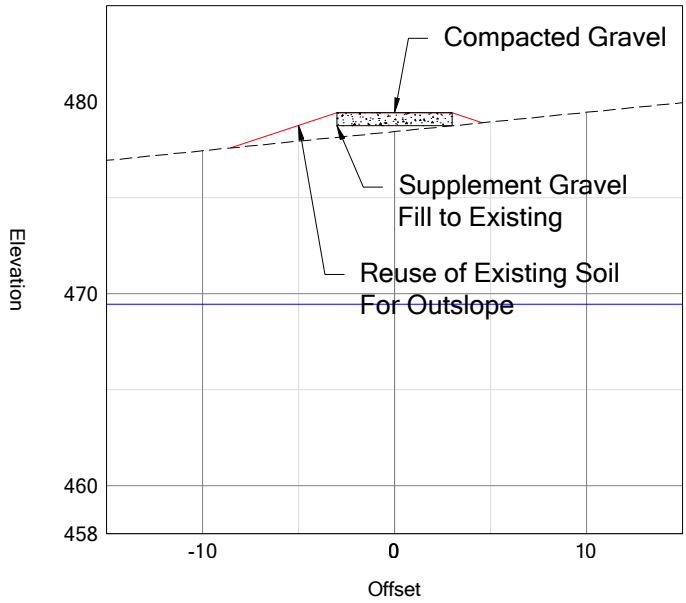
0 10 20

Flowing solutions
Flowing Solutions
3305 SW 87th Avenue
Portland, OR 97225
Phone (503) 297-6311

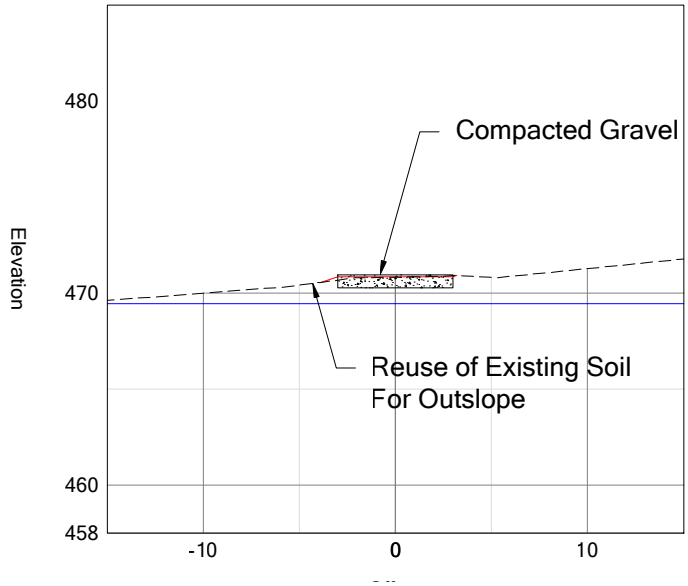
SHEET TITLE: MAIN LAUNCH SECTIONS (B)		DATE: 6-5-2023
PROJECT: HOWARD BUFORD RECREATION AREA RIVER ACCESS 34639 FRANK PARRISH RD EUGENE, OREGON 97403		SHEET NO. 10
RIVER/MILE: COAST FORK WILAMETTE RM. 2.5	DATUM: NAVD88	

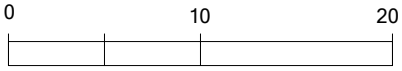
d:\fs\fsprojects\howardbufordlaunch\cad\hbra drawings review draft 6-5-2023.dwg

Section-0+50.00



Section-3+20.00

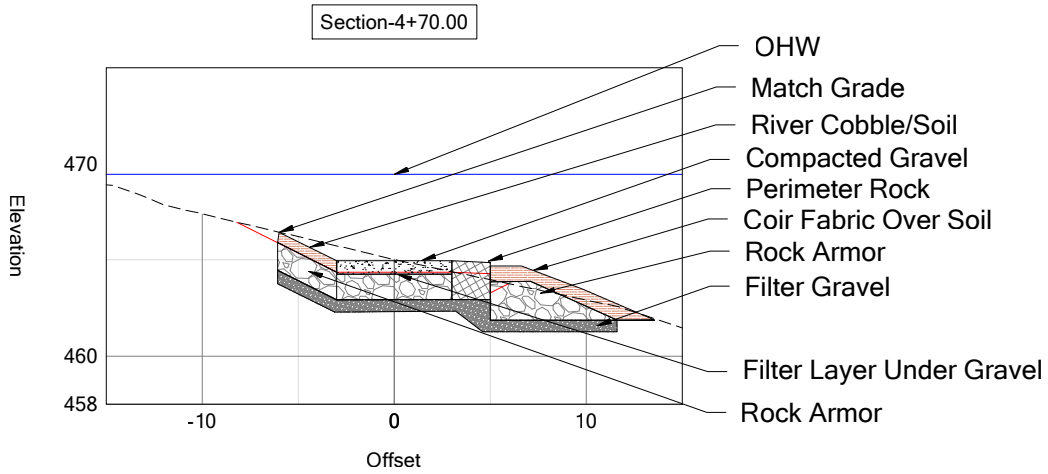




Flowing solutions
Flowing Solutions
3305 SW 87th Avenue
Portland, OR 97225
Phone (503) 297-6311

SHEET TITLE: ASSESSABLE PATH SECTIONS (A)		DATE: 6-5-2023
PROJECT: HOWARD BUFORD RECREATION AREA RIVER ACCESS 34639 FRANK PARRISH RD EUGENE, OREGON 97403		SHEET NO. 11
RIVER/MILE: COAST FORK WILAMETTE RM. 2.5	DATUM: NAVD88	

d:\fs\fsprojects\howardbufordlaunch\cad\hbra drawings review draft 6-5-2023.dwg



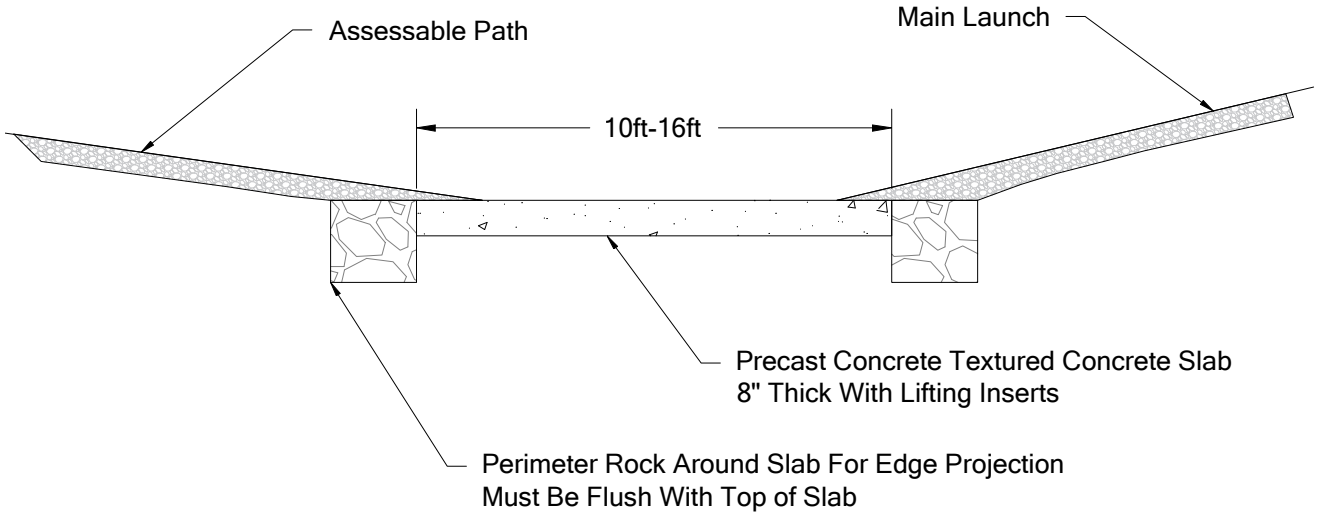
PERIMETER ROCK BORDER EXAMPLE

0 10 20

d:\fs\fsprojects\howardbufordlaunch\cad\hbra drawings review draft 6-5-2023.dwg

Flowing solutions
Flowing Solutions
3305 SW 87th Avenue
Portland, OR 97225
Phone (503) 297-6311

SHEET TITLE: ASSESSABLE PATH SECTIONS (B)		DATE: 6-5-2023
PROJECT: HOWARD BUFORD RECREATION AREA RIVER ACCESS 34639 FRANK PARRISH RD EUGENE, OREGON 97403		SHEET NO. 12
RIVER/MILE: COAST FORK WILAMETTE RM. 2.5	DATUM: NAVD88	



ASSESSABLE LANDING SECTION

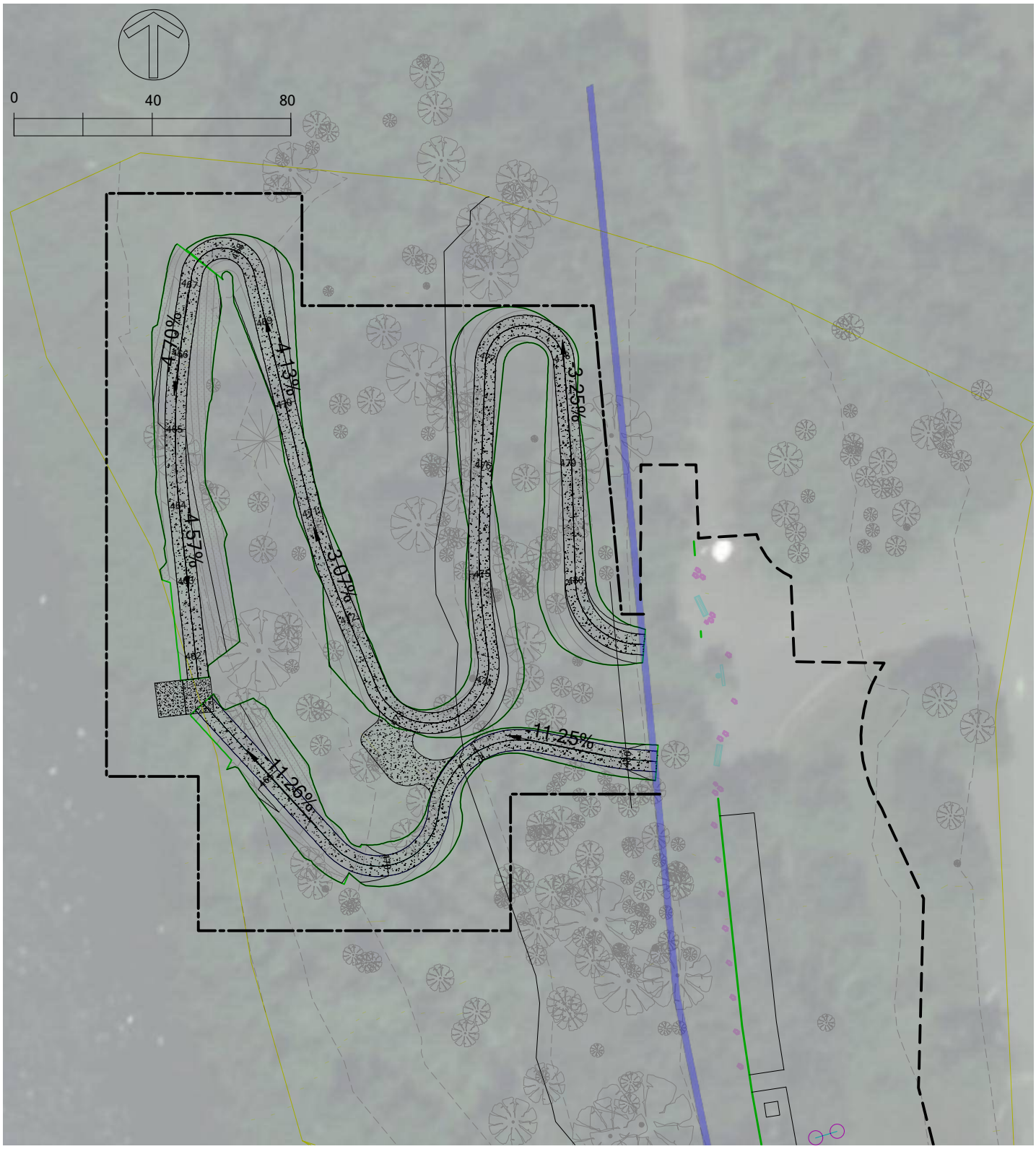
0 10 20

Flowing solutions
Flowing Solutions
3305 SW 87th Avenue
Portland, OR 97225
Phone (503) 297-6311

SHEET TITLE: ASSESSABLE LANDING		DATE: 6-5-2023
PROJECT: HOWARD BUFORD RECREATION AREA RIVER ACCESS 34639 FRANK PARRISH RD EUGENE, OREGON 97403		SHEET NO. 13
RIVER/MILE: COAST FORK WILAMETTE RM. 2.5	DATUM: NAVD88	

d:\fs\fsprojects\howardbuforlaunch\cad\hbra drawings review draft 6-5-2023.dwg

DATE: 6-5-2023



Flowing solutions
Flowing Solutions
3305 SW 87th Avenue
Portland, OR 97225
Phone (503) 297-6311

SHEET TITLE: AIR PHOTO		DATE: 6-5-2023
PROJECT: HOWARD BUFORD RECREATION AREA RIVER ACCESS 34639 FRANK PARRISH RD EUGENE, OREGON 97403		SHEET NO. 14
RIVER/MILE: COAST FORK WILAMETTE RM. 2.5	DATUM: NAVD88	

d:\fs\fsprojects\howardbufordlaunch\cad\hbra drawings review draft 6-5-2023.dwg

Project Change Request Log

CAMERON MCCARTHY
LANDSCAPE ARCHITECTURE & PLANNING

Project: HBRA Boat Access

Change Request No.	Page No.	Change Description	Date Received	Requested By	Status	Date Resolved	Response/Resolution
1	Project Information / JPA	Please provide data/information on how Ordinary High Water was determined, DSL must agree on the jurisdictional boundary.	8/15/2023	Charles Redon / DSL			
2	Project Information / JPA	Related note: Has the site been evaluated for wetlands? The SWI shows the majority of the site in predominantly hydric soils and aerial photos in summer show several green areas although it not clear what type of vegetation is present. Please either provide: 1) a wetland delineation report for concurrence of both OHW and boundaries/lack of wetlands in the project area, or 2) Data and photographs showing several of the areas determined to be OHW, and close up photographs of potential wetland sites within the proposed features area.	8/15/2023	Charles Redon / DSL			
3	Project Description / JPA	Description in Section (4) sounds like the concrete pad is below OHW, Section (9) says no concrete or asphalt below OHW, and the project is net removal, but the totals don't reflect that either. Please clarify the location of the concrete pad and the volumes of removal and fill.	8/15/2023	Charles Redon / DSL			
4	Project Description / JPA	4(F) lists 611 CY and 4(G) lists 500 CY, please rectify.	8/15/2023	Charles Redon / DSL			
5	Project Description / JPA	Fill volume notes "some fill is above OHW". The definition of fill for DSL includes ONLY material within our jurisdiction. Please revise to include only removal and fill volumes below OHW (or within any wetlands)	8/15/2023	Charles Redon / DSL			
6	Impacts / JPA	There is a substantial amount of bank hardening occuring below OHW. This generally requires mitigation. Please further evaluate how the proposed hardening and reshaping of the bank for the paths and landings will impact aquatic resources and propose mitigation for any losses.	8/15/2023	Charles Redon / DSL			
7	City/County Planning / JPA	LUCS not signed. Required.	8/15/2023	Charles Redon / DSL			
8	Fees / JPA	An application fee of $1,149 is required for completeness.	8/15/2023	Charles Redon / DSL			
9	Fees / JPA	No date or title on the Brett Henry signature. Please include on revised application.	8/15/2023	Charles Redon / DSL			
10	Attachments / JPA	The "Assesable Landing Section" drawing does not include OHW or existing profile. Please add, and/or include a cross section at the landing location running perpendicular to the bank to more clearly show the existing and proposed changes.	8/15/2023	Charles Redon / DSL			
11	Referral / SUP	Portions of the properties located: In Lane County Eugene, Oregon encumbered by easements for high-voltage transmission lines owned by the Bonneville Power Administration (BPA). BPA has acquired rights for these easements that limit the landowner's use of this area. BPA has the right of ingress and egress, and the right to keep the easement free and clear of all buildings, sheds, fences, roads, in-ground and above-ground swimming pools, trampolines, or any other type of structure, trees, and all vegetation. All activities planned within the BP A easement need to be reviewed by BPA prior to their occurrence. Do NOT build, dig, and install utilities, plant, or bum within the easement area. For further questions or concerns regarding any proposed uses of the easement you may contact BPA Real Estate Field Services at the address listed above.	8/7/2023	Jennifer Beems / BPA			
12		Obtain a facility permit to construct impervious surface within the County right-of-way, per LC 15.205 (l)(a).	8/22/2023	Cassidy Mills / Lane County			
13		The proposed development is located almost completely IN the regulated Special Flood Hazard Area (SFHA) and is within the shaded Floodway (FW) which is regulated by Lane County, per the applicant's site plan and Flood Insurance Rate Map (FIRM) Panel #41039C1165F (Exhibit B), effective June 1, 1999. Therefore, the proposed development, as depicted on the approved site plan (Exhibit C) is subject to the floodplain regulations of Lane Code 16.244.	8/30/2023	Noray-Ann Spradling / Lane County			
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
30							

Lane County Parks Operations Report
August 2023

Coastal Zone

- Repaired basketball court roof at Camp Lane
- Hired a new Park Maintenance 2 employee – Lyle Edelman
- Cleaned up downed trees at Harbor Vista Park
- Field mowing at Konnie Memorial Park
- Repaired water damage at Camp Lane
- Striped parking lots at multiple parks
- Posted fire restrictions

Valley Zone

- Preparation for County picnic at Richardson day-use
- Replaced Crilly Trail kiosk at Armitage Park
- Hired four new Park Maintenance 2 employees – Rachel Parker, Kamren Moyer, Karen Noel, & Randy Gilbert
- Utility potholing at Armitage, Richardson, Orchard Point, & Baker Bay parks (ARPA)
- Installed water tank sensors and security locks at Richardson Butte
- Posted fire restrictions
- Replaced water lines at Orchard Point Marina (ARPA)